

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091724\
 Data File : BM047540.D
 Acq On : 17 Sep 2024 11:40
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 17 12:27:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	453728	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	2012471	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	1165518	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	2294694	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1954749	20.000	ng	0.00
86) Perylene-d12	24.462	264	1869039	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	2959974	103.871	ng	0.00
7) Phenol-d6	7.004	99	4149475	103.397	ng	0.00
23) Nitrobenzene-d5	8.998	82	3206025	79.727	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1228119	109.014	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	6876318	81.271	ng	0.00
79) Terphenyl-d14	19.833	244	9746627	89.348	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	73689	6.037	ng	100
3) Pyridine	3.722	79	176279	4.852	ng	97
4) n-Nitrosodimethylamine	3.628	42	93119	5.649	ng	# 93
6) Aniline	7.169	93	215083	6.045	ng	99
8) 2-Chlorophenol	7.410	128	164806	5.246	ng	96
9) Benzaldehyde	6.981	77	173536	9.094	ng	99
10) Phenol	7.034	94	213684	5.318	ng	100
11) bis(2-Chloroethyl)ether	7.269	93	175197	5.431	ng	97
12) 1,3-Dichlorobenzene	7.740	146	171373	4.984	ng	98
13) 1,4-Dichlorobenzene	7.881	146	176502	5.040	ng	96
14) 1,2-Dichlorobenzene	8.198	146	171178	4.966	ng	99
15) Benzyl Alcohol	8.081	79	138654	5.101	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.369	45	264815	5.836	ng	99
17) 2-Methylphenol	8.281	107	120120	4.679	ng	98
18) Hexachloroethane	8.934	117	73435	5.249	ng	90
19) n-Nitroso-di-n-propyla...	8.651	70	135825	5.020	ng	99
20) 3+4-Methylphenols	8.604	107	158998	4.439	ng	98
22) Acetophenone	8.663	105	268937	5.083	ng	# 98
24) Nitrobenzene	9.040	77	222181	5.377	ng	97
25) Isophorone	9.569	82	358591	5.072	ng	99
26) 2-Nitrophenol	9.751	139	55598	3.949	ng	95
27) 2,4-Dimethylphenol	9.816	122	112105m	5.252	ng	
28) bis(2-Chloroethoxy)met...	10.051	93	228265	5.140	ng	100
29) 2,4-Dichlorophenol	10.287	162	117006	4.315	ng	95
30) 1,2,4-Trichlorobenzene	10.504	180	143657	4.625	ng	97
31) Naphthalene	10.692	128	521827	4.801	ng	100
32) Benzoic acid	9.869	122	44624	8.524	ng	97
33) 4-Chloroaniline	10.792	127	197484	5.025	ng	98
34) Hexachlorobutadiene	10.986	225	75148	4.368	ng	97
35) Caprolactam	11.551	113	39214	4.390	ng	92
36) 4-Chloro-3-methylphenol	11.916	107	137830	4.435	ng	96
37) 2-Methylnaphthalene	12.304	142	334237	4.620	ng	99
38) 1-Methylnaphthalene	12.522	142	319163	4.440	ng	98
40) 1,2,4,5-Tetrachloroben...	12.669	216	148712	4.715	ng	98
41) Hexachlorocyclopentadiene	12.663	237	28032	2.719	ng	97
43) 2,4,6-Trichlorophenol	12.910	196	80032	4.051	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.975	196	91775	4.112	ng	96
46) 1,1'-Biphenyl	13.316	154	444046	4.897	ng	98
47) 2-Chloronaphthalene	13.351	162	327945	4.657	ng	98
48) 2-Nitroaniline	13.545	65	89257	4.316	ng	93
49) Acenaphthylene	14.198	152	517507	5.093	ng	99
50) Dimethylphthalate	13.933	163	383761	4.831	ng	99
51) 2,6-Dinitrotoluene	14.039	165	70710	4.216	ng	88
52) Acenaphthene	14.539	154	326015	4.579	ng	98
53) 3-Nitroaniline	14.369	138	83327	4.470	ng	95
54) 2,4-Dinitrophenol	14.569	184	20260	5.836	ng	# 85
55) Dibenzofuran	14.874	168	485358	4.851	ng	95
56) 4-Nitrophenol	14.669	139	60446	3.941	ng	95
57) 2,4-Dinitrotoluene	14.827	165	89996	4.024	ng	90
58) Fluorene	15.521	166	397142	4.409	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	74651	4.290	ng	94
60) Diethylphthalate	15.298	149	397830	4.706	ng	97
61) 4-Chlorophenyl-phenyle...	15.516	204	176817	4.293	ng	95
62) 4-Nitroaniline	15.521	138	85711	3.912	ng	91
63) Azobenzene	15.810	77	490864	5.273	ng	97
65) 4,6-Dinitro-2-methylph...	15.586	198	29824	9.343	ng	87
66) n-Nitrosodiphenylamine	15.727	169	308960	4.401	ng	97
67) 4-Bromophenyl-phenylether	16.410	248	94313	4.230	ng	96
68) Hexachlorobenzene	16.521	284	109826	4.348	ng	# 91
69) Atrazine	16.674	200	89130	4.594	ng	98
70) Pentachlorophenol	16.863	266	49714	3.395	ng	97
71) Phenanthrene	17.251	178	588765	4.656	ng	100
72) Anthracene	17.345	178	521956	4.296	ng	99
73) Carbazole	17.610	167	545098	4.527	ng	99
74) Di-n-butylphthalate	18.180	149	649673	4.510	ng	99
75) Fluoranthene	19.262	202	589070	4.269	ng	97
77) Benzidine	19.445	184	104990	3.814	ng	99
78) Pyrene	19.621	202	623772	4.375	ng	99
80) Butylbenzylphthalate	20.521	149	221897	4.043	ng	91
81) Benzo(a)anthracene	21.421	228	624216	4.899	ng	99
82) 3,3'-Dichlorobenzidine	21.339	252	148641	4.386	ng	# 99
83) Chrysene	21.480	228	569934	4.729	ng	99
84) Bis(2-ethylhexyl)phtha...	21.356	149	376489	4.379	ng	97
85) Di-n-octyl phthalate	22.497	149	523511	4.304	ng	97
87) Indeno(1,2,3-cd)pyrene	27.868	276	581612	5.200	ng	94
88) Benzo(b)fluoranthene	23.503	252	538780	4.455	ng	98
89) Benzo(k)fluoranthene	23.568	252	555293	4.633	ng	97
90) Benzo(a)pyrene	24.315	252	472091	4.763	ng	98
91) Dibenzo(a,h)anthracene	27.944	278	474341	5.040	ng	100
92) Benzo(g,h,i)perylene	28.932	276	460641	5.011	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

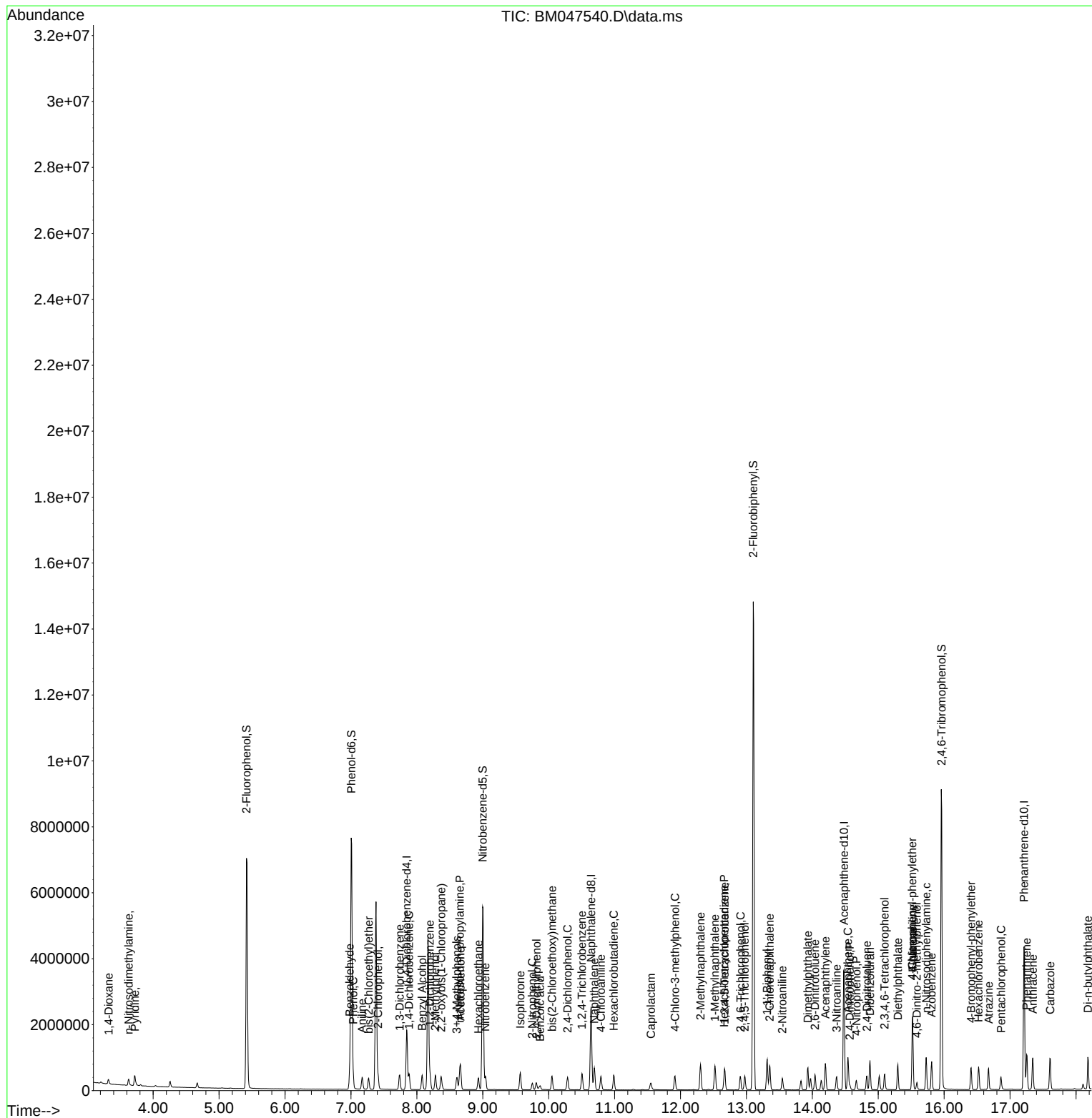
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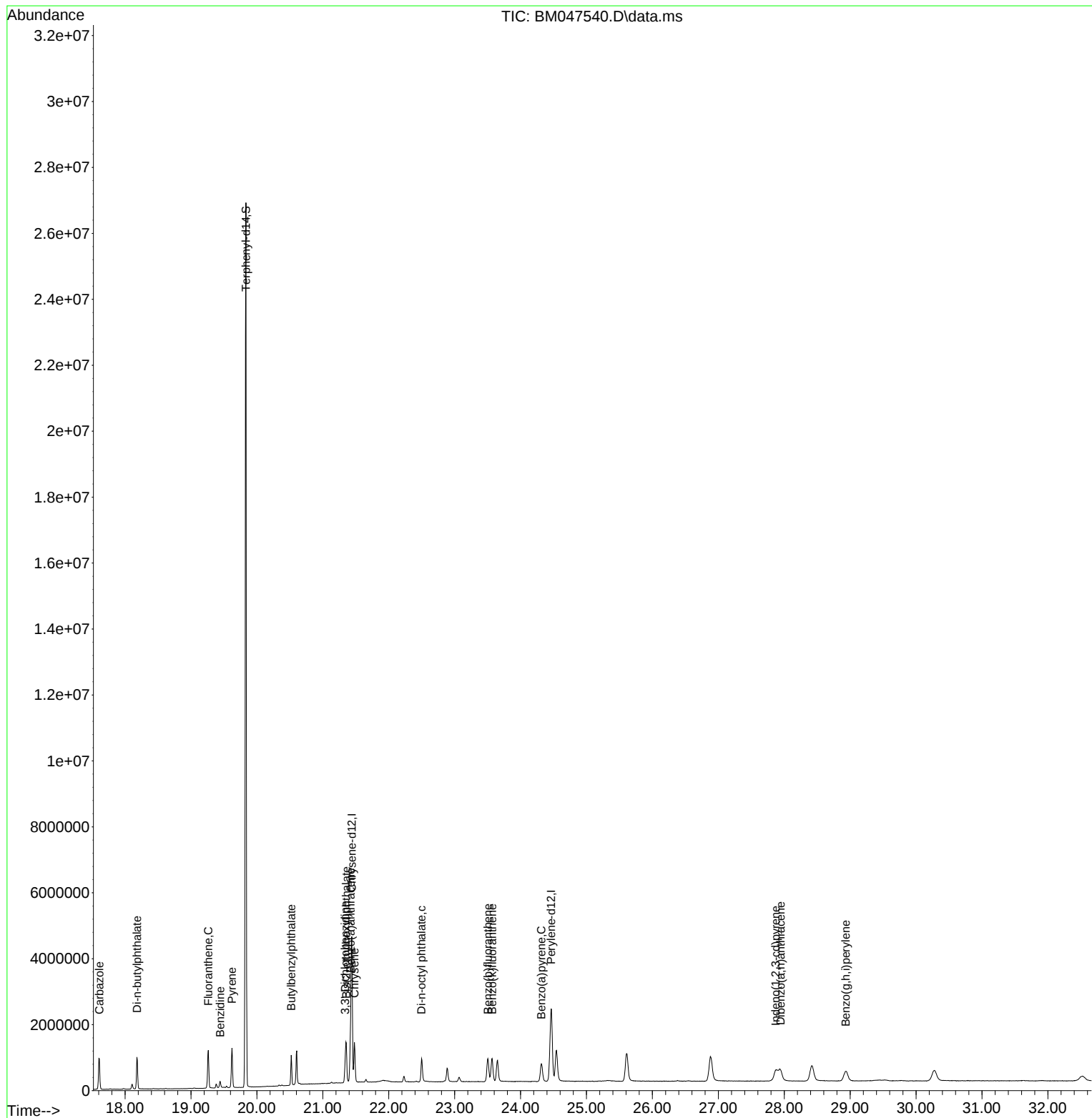
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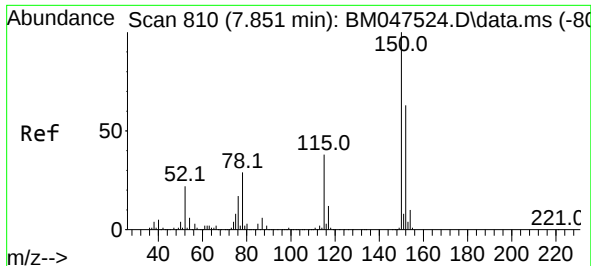
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ClientSampleId :
LOQ-SOIL-02-QT2-2024

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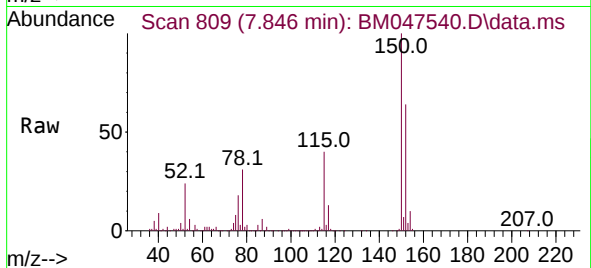
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 80
Delta R.T. -0.005 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

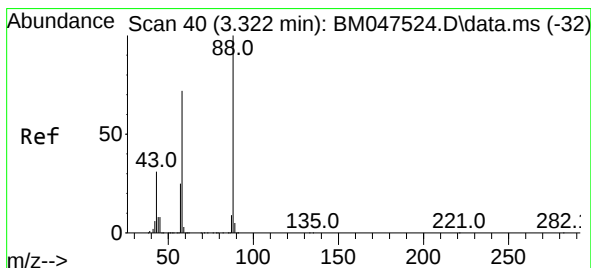
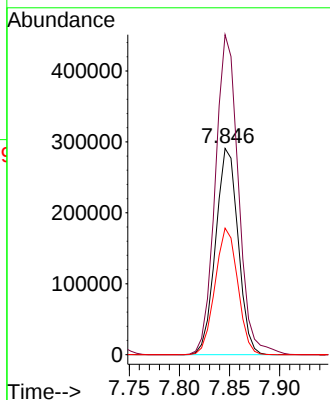
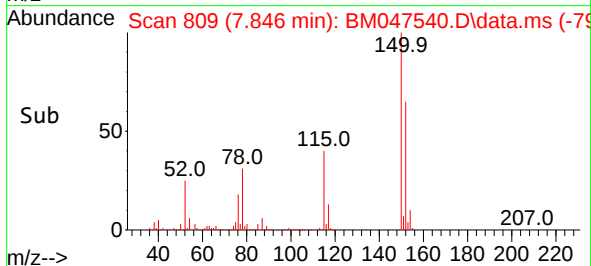
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 152 Resp: 453728
Ion Ratio Lower Upper
152 100
150 155.1 126.8 190.2
115 61.4 47.8 71.8

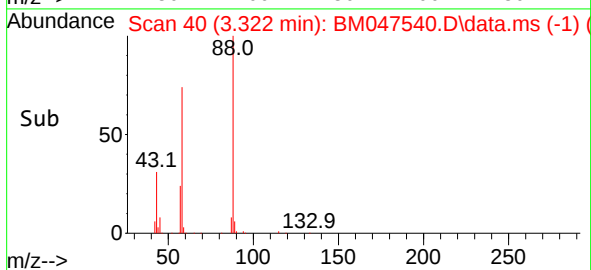
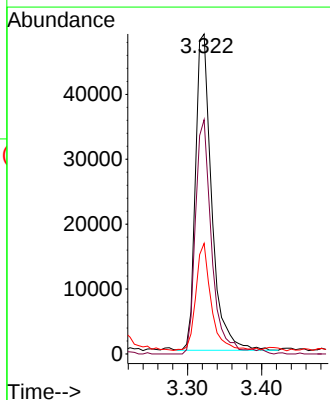
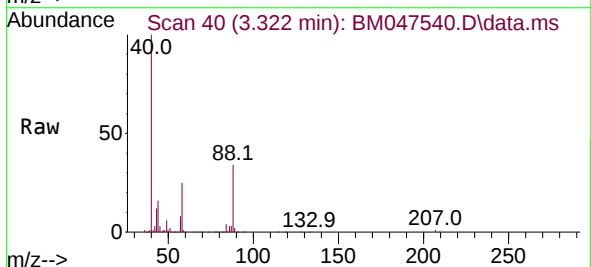
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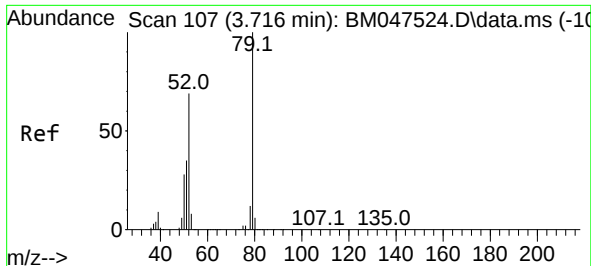
Reviewed By :Jagrut Upadhyay 09/18/2024
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#2
1,4-Dioxane
Concen: 6.037 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

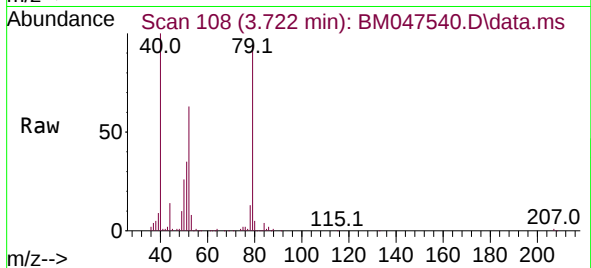
Tgt Ion: 88 Resp: 73689
Ion Ratio Lower Upper
88 100
58 73.8 59.0 88.6
43 31.9 25.0 37.4





#3
Pyridine
Concen: 4.852 ng
RT: 3.722 min Scan# 107
Delta R.T. 0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

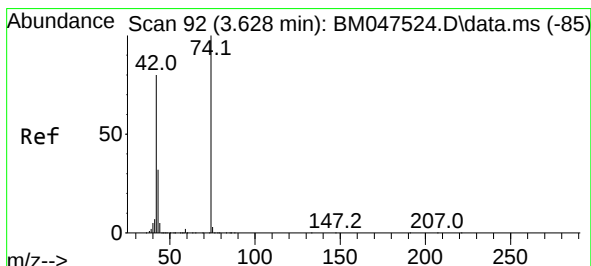
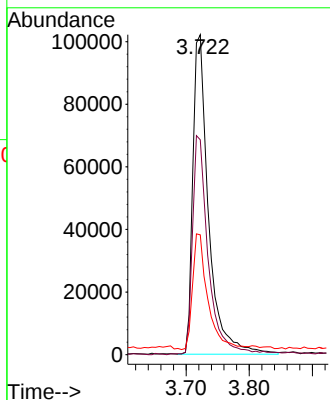
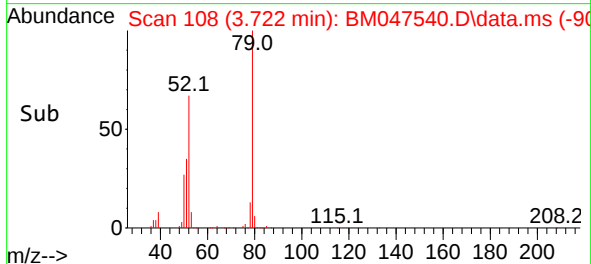
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 79 Resp: 176279
Ion Ratio Lower Upper
79 100
52 67.2 55.4 83.0
51 37.4 27.9 41.9

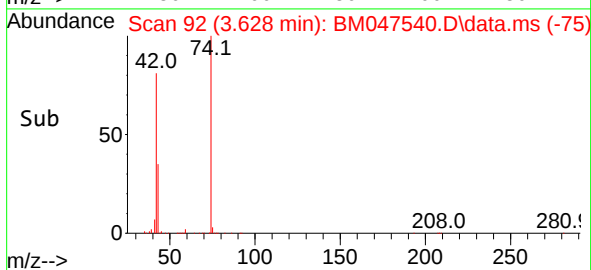
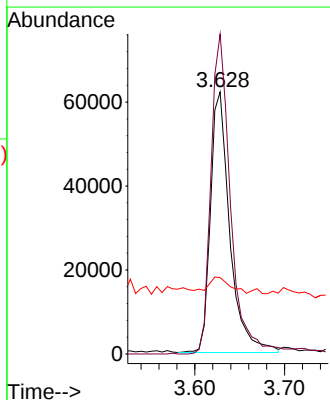
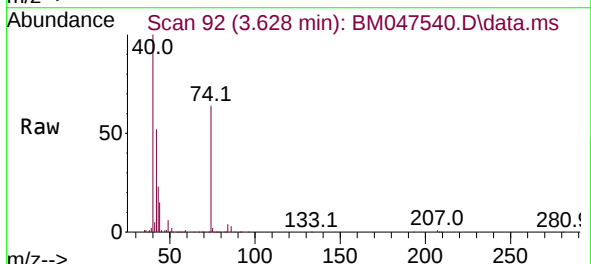
Manual Integrations
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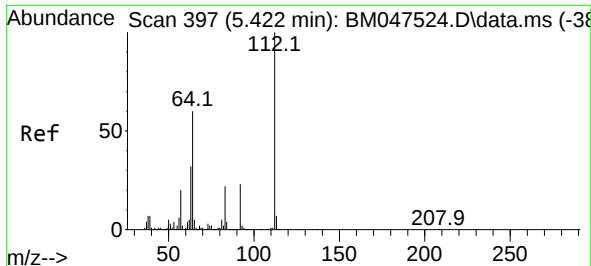
Reviewed By :Jagrut Upadhyay 09/18/2024
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#4
n-Nitrosodimethylamine
Concen: 5.649 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

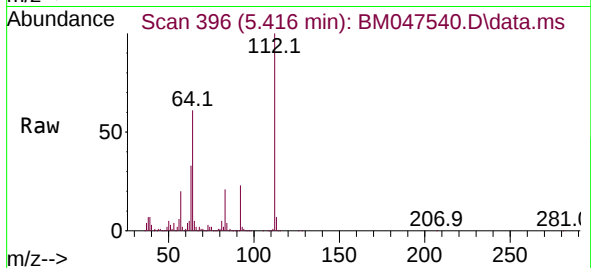
Tgt Ion: 42 Resp: 93119
Ion Ratio Lower Upper
42 100
74 122.1 100.5 150.7
44 29.1 6.9 10.3





#5
2-Fluorophenol
Concen: 103.871 ng
RT: 5.416 min Scan# 397
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

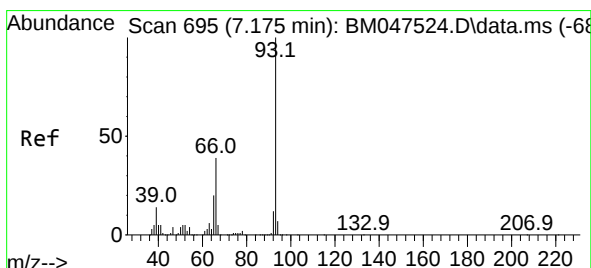
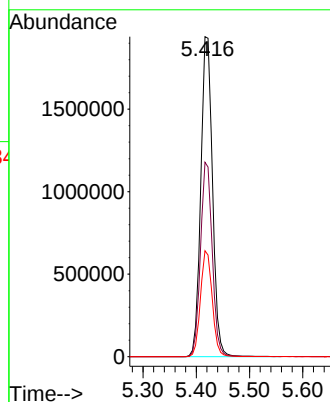
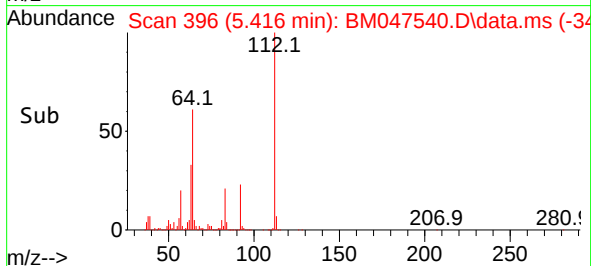
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Tgt Ion: 112 Resp: 2959974
Ion Ratio Lower Upper
112 100
64 60.8 48.2 72.4
63 33.1 26.0 39.0

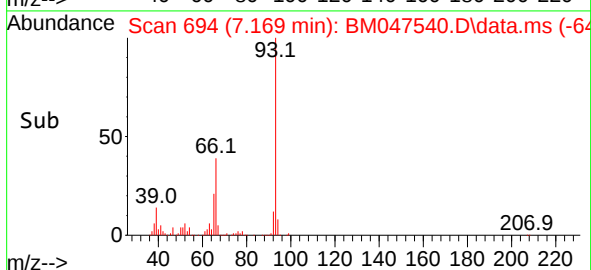
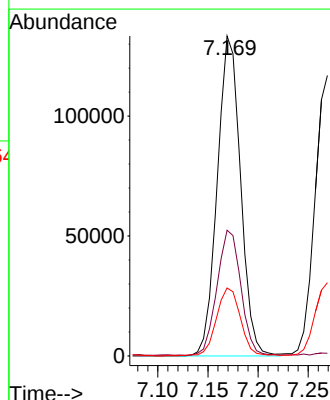
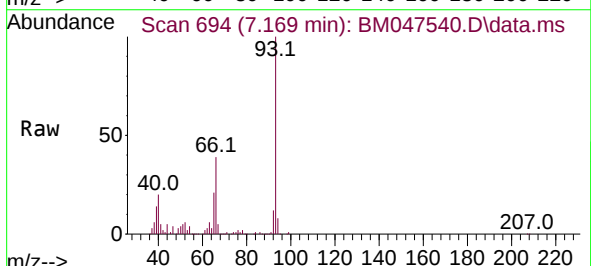
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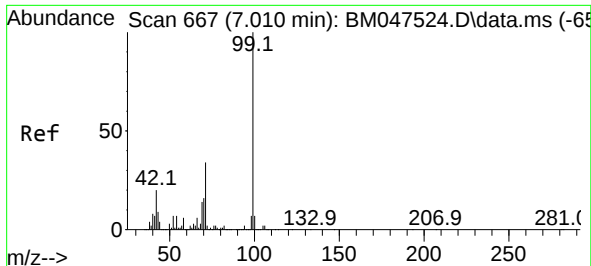
Reviewed By :Jagrut Upadhyay 09/18/2024
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#6
Aniline
Concen: 6.045 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

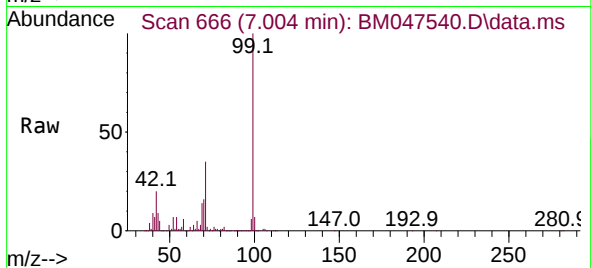
Tgt Ion: 93 Resp: 215083
Ion Ratio Lower Upper
93 100
66 39.3 31.4 47.0
65 21.3 16.3 24.5





#7
Phenol-d6
Concen: 103.397 ng
RT: 7.004 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

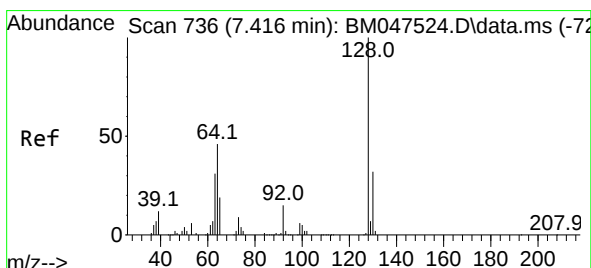
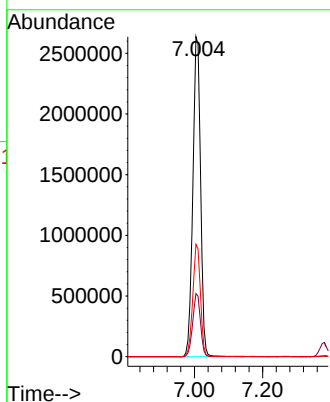
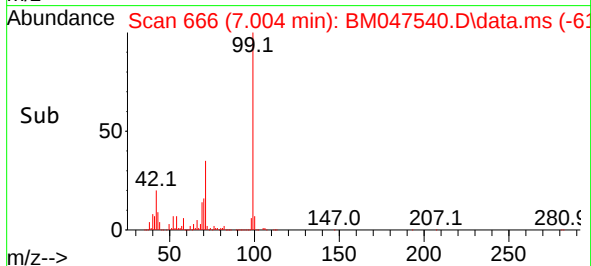
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 99 Resp: 414947
Ion Ratio Lower Upper
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71 35.1 27.6 41.4

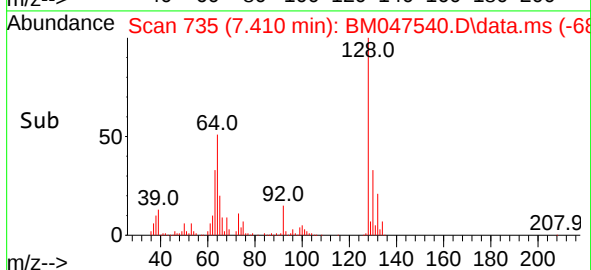
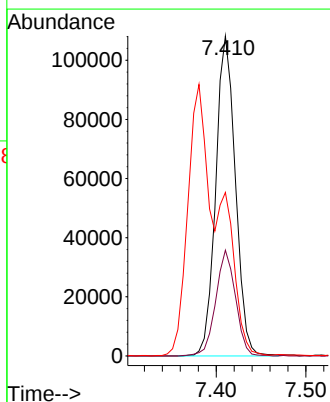
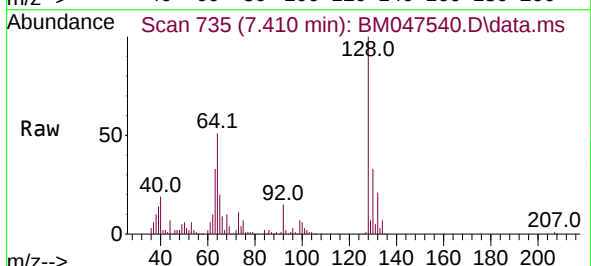
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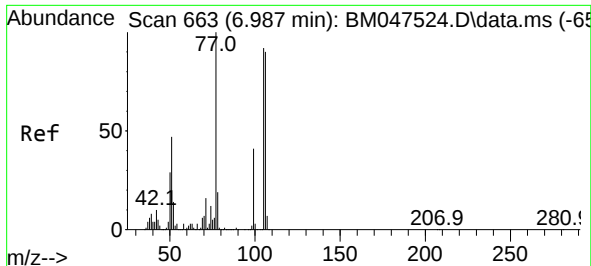
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#8
2-Chlorophenol
Concen: 5.246 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

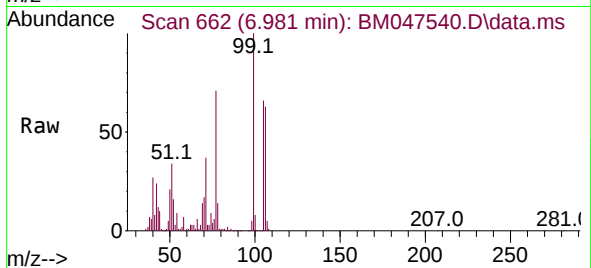
Tgt Ion:128 Resp: 164806
Ion Ratio Lower Upper
128 100
130 33.1 11.8 51.8
64 51.1 27.6 67.6





#9
Benzaldehyde
Concen: 9.094 ng
RT: 6.981 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

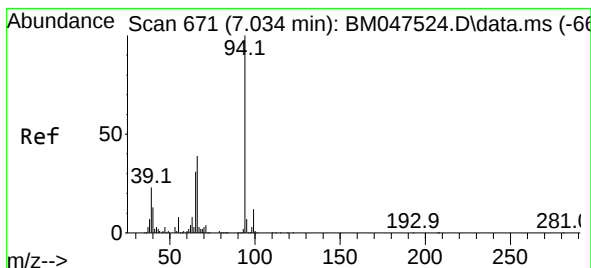
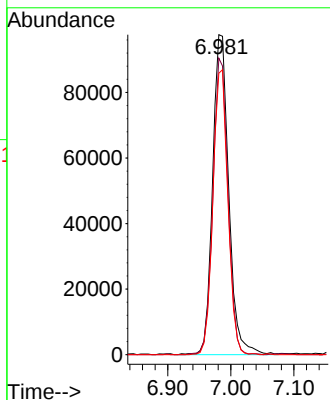
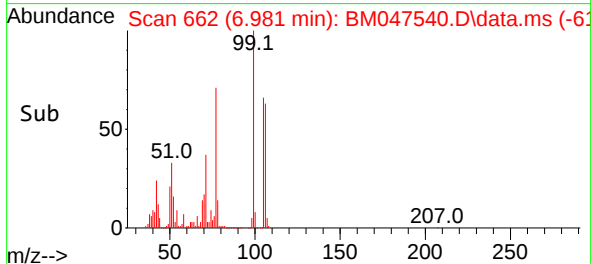
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 77 Resp: 173530
Ion Ratio Lower Upper
77 100
105 92.7 71.8 111.8
106 87.9 69.7 109.7

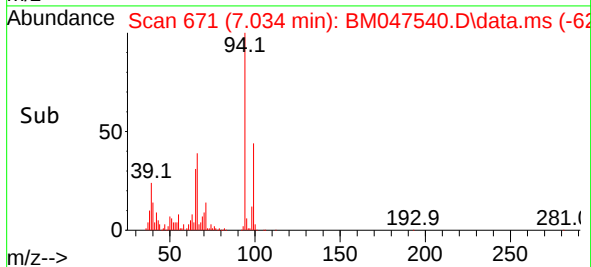
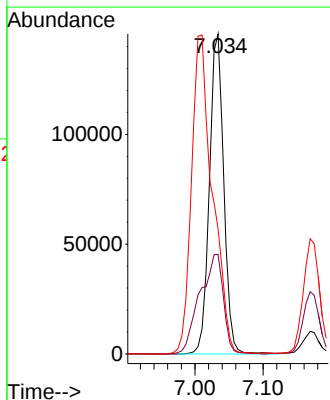
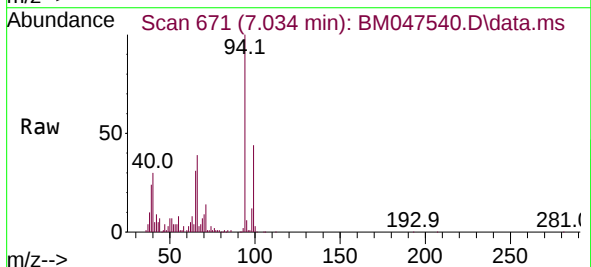
Manual Integrations
APPROVED

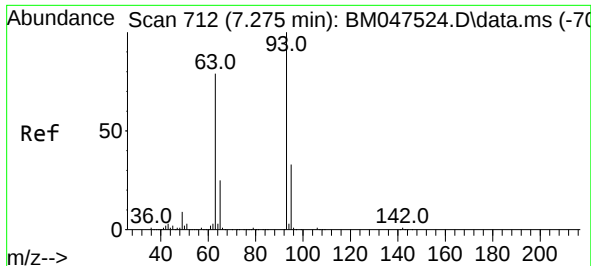
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#10
Phenol
Concen: 5.318 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

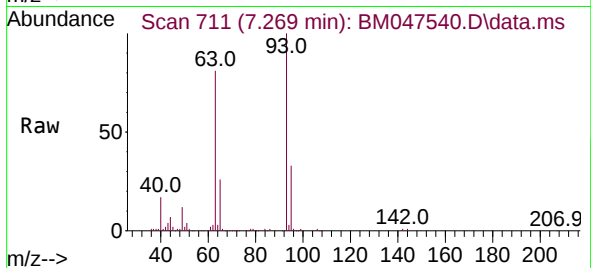
Tgt Ion: 94 Resp: 213684
Ion Ratio Lower Upper
94 100
65 31.2 10.8 50.8
66 39.2 19.2 59.2





#11
bis(2-Chloroethyl)ether
Concen: 5.431 ng
RT: 7.269 min Scan# 712
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

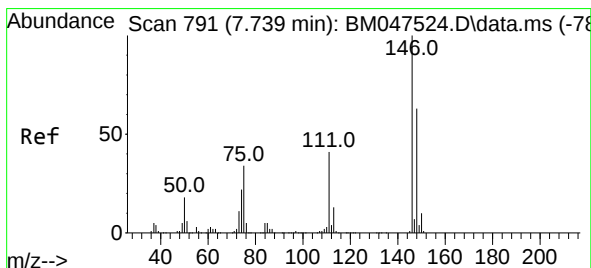
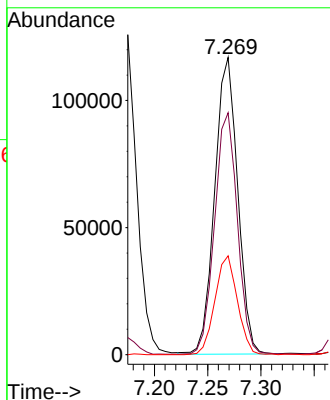
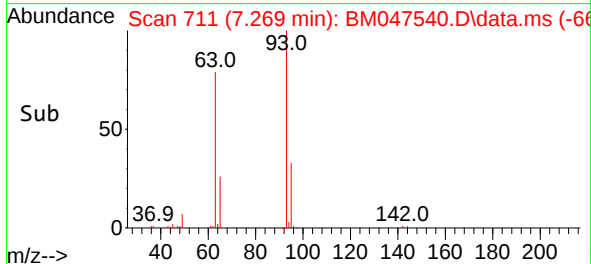
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 93 Resp: 17519
Ion Ratio Lower Upper
93 100
63 81.4 58.2 98.2
95 33.3 12.8 52.8

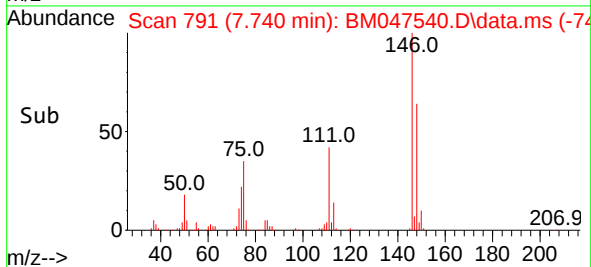
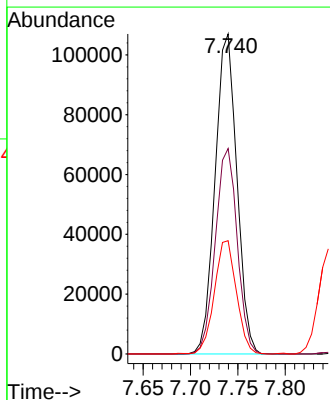
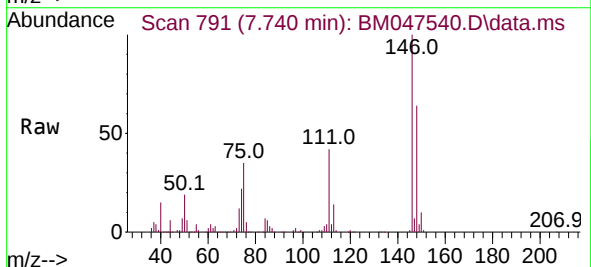
Manual Integrations
APPROVED

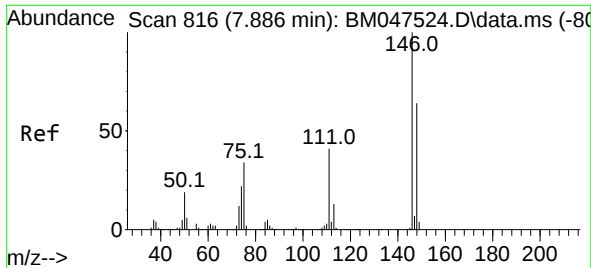
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#12
1,3-Dichlorobenzene
Concen: 4.984 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

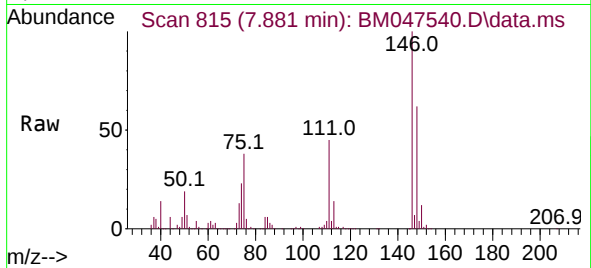
Tgt Ion:146 Resp: 171373
Ion Ratio Lower Upper
146 100
148 64.2 50.2 75.4
75 35.4 27.4 41.0





#13
1,4-Dichlorobenzene
Concen: 5.040 ng
RT: 7.881 min Scan# 816
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

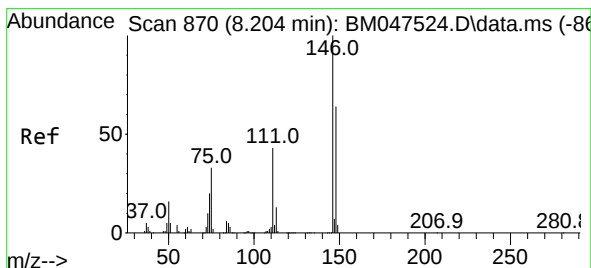
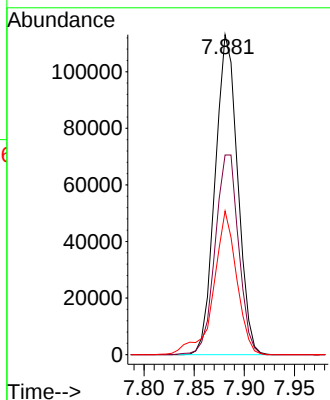
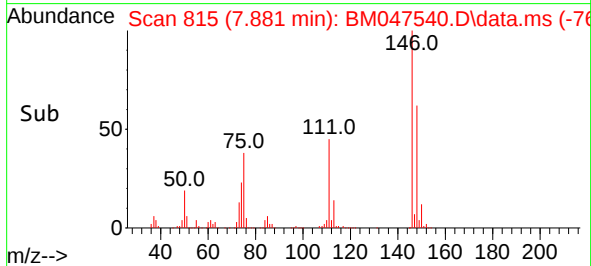
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



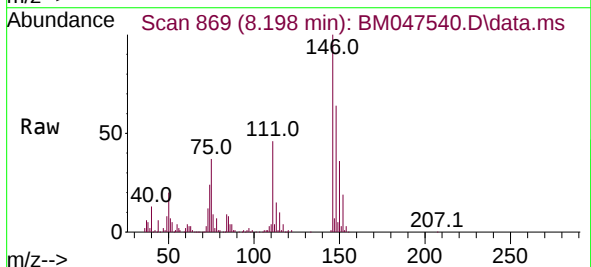
Tgt Ion:146 Resp: 176502
Ion Ratio Lower Upper
146 100
148 62.4 51.3 76.9
111 44.9 32.9 49.3

Manual Integrations
APPROVED

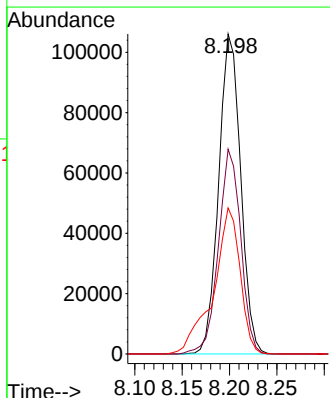
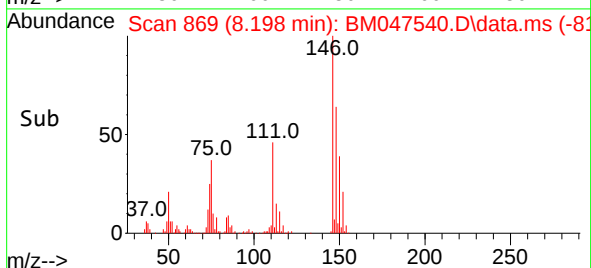
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

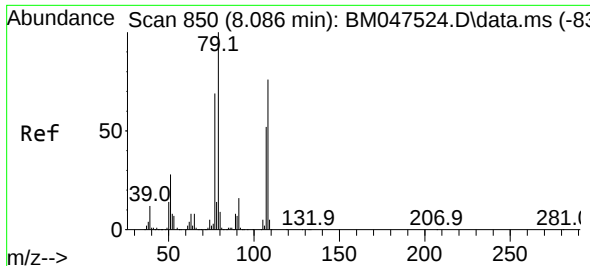


#14
1,2-Dichlorobenzene
Concen: 4.966 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40



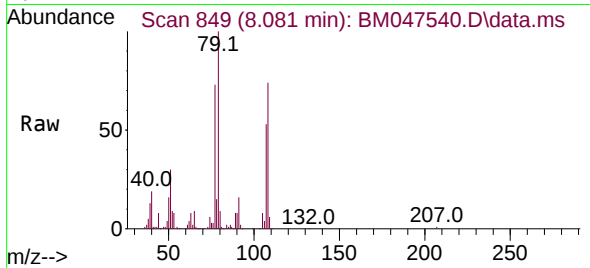
Tgt Ion:146 Resp: 171178
Ion Ratio Lower Upper
146 100
148 64.0 51.1 76.7
111 45.7 34.7 52.1





#15
Benzyl Alcohol
Concen: 5.101 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

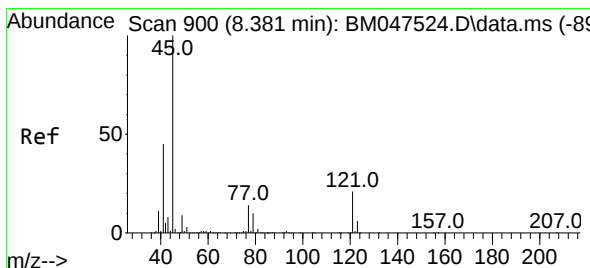
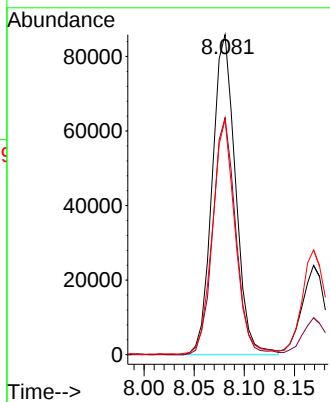
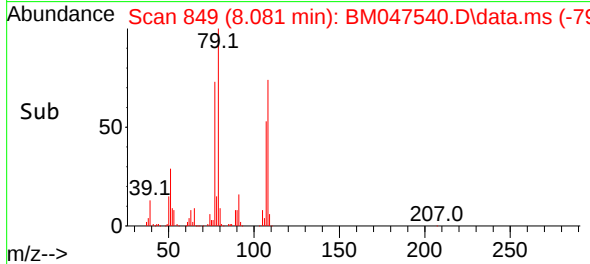
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion: 79 Resp: 138654
Ion Ratio Lower Upper
79 100
108 74.1 60.6 91.0
77 73.4 55.0 82.4

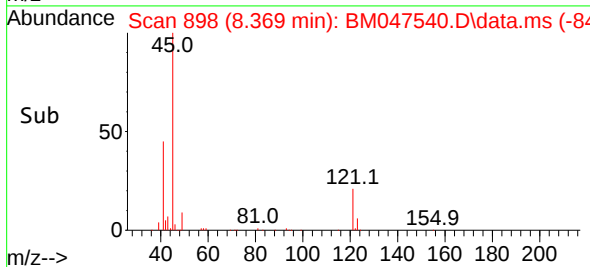
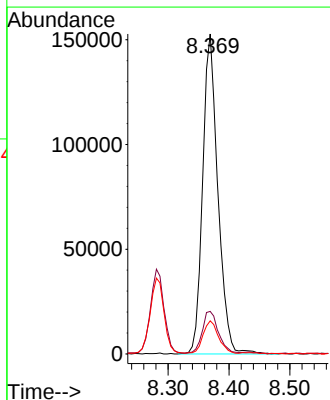
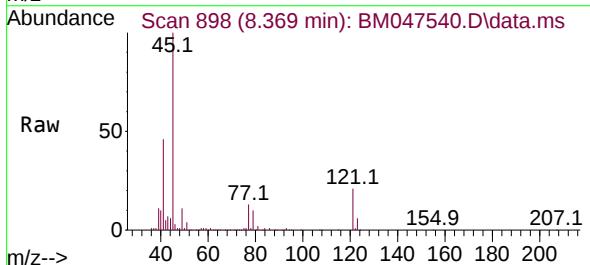
Manual Integrations
APPROVED

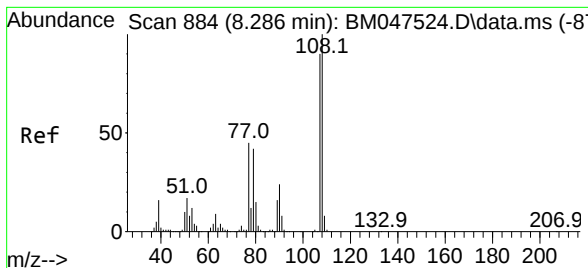
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.836 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

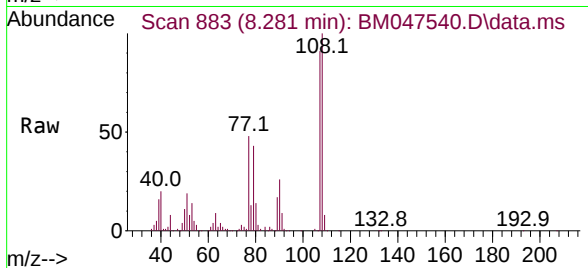
Tgt Ion: 45 Resp: 264815
Ion Ratio Lower Upper
45 100
77 13.3 0.0 33.7
79 10.4 0.0 30.3





#17
2-Methylphenol
Concen: 4.679 ng
RT: 8.281 min Scan# 884
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

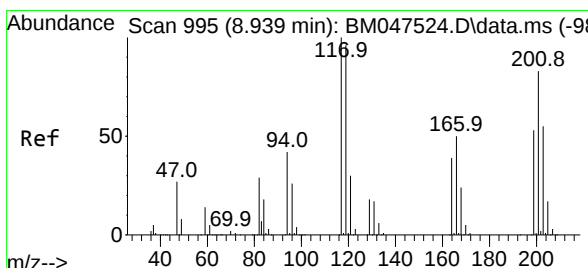
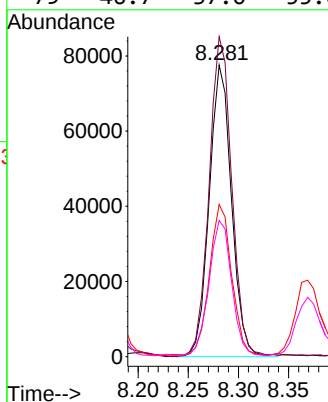
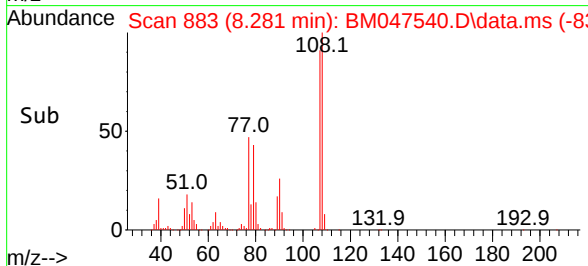
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:	107	Resp:	120120
Ion	Ratio	Lower	Upper
107	100		
108	109.7	88.9	133.3
77	52.1	39.8	59.8
79	46.7	37.0	55.6

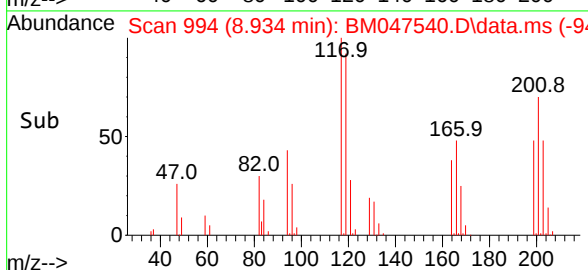
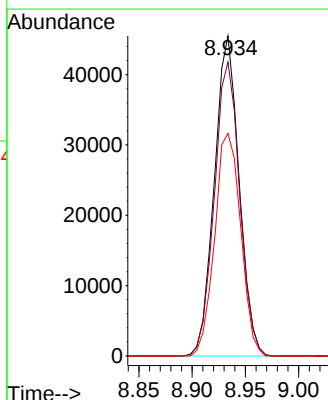
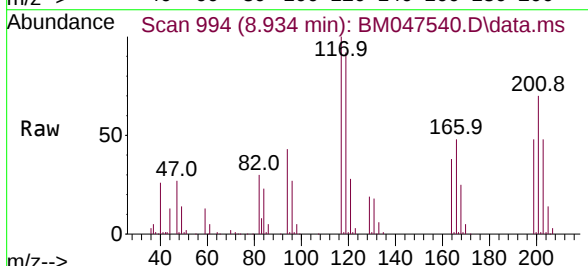
Manual Integrations
APPROVED

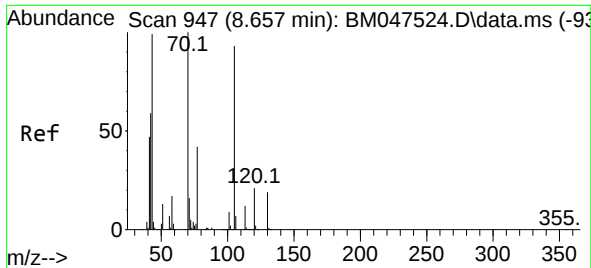
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#18
Hexachloroethane
Concen: 5.249 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

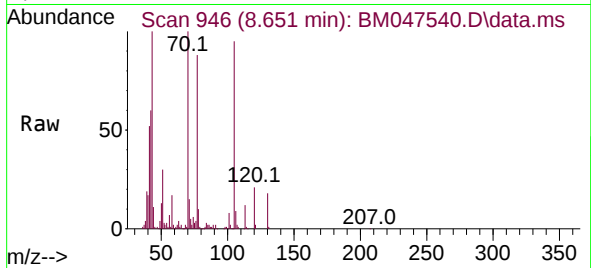
Tgt Ion:	117	Resp:	73435
Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.0	115.4
201	69.5	66.8	100.2





#19
n-Nitroso-di-n-propylamine
Concen: 5.020 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

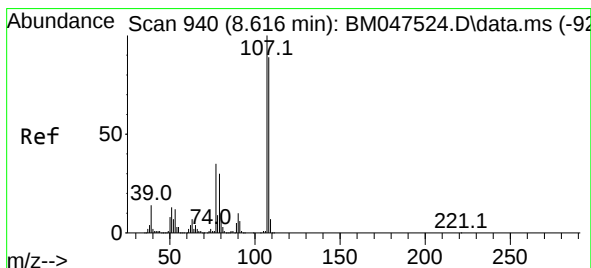
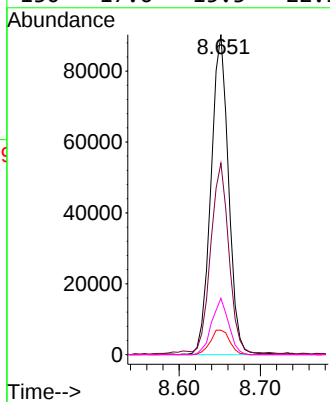
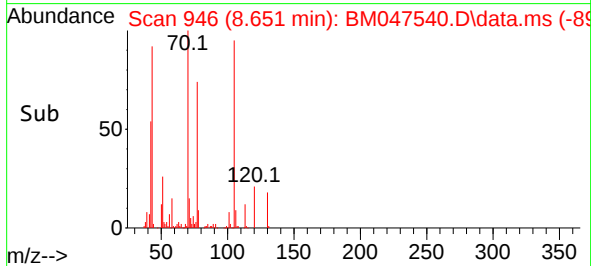
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 70 Resp: 135829
Ion Ratio Lower Upper
70 100
42 59.8 48.2 72.2
101 7.7 7.0 10.4
130 17.6 15.3 22.9

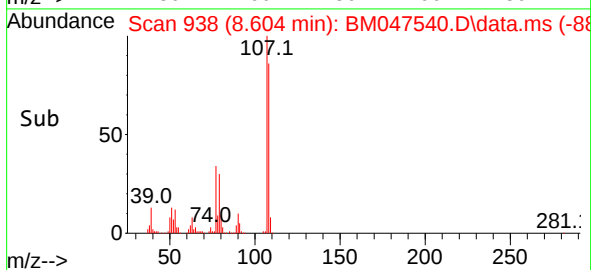
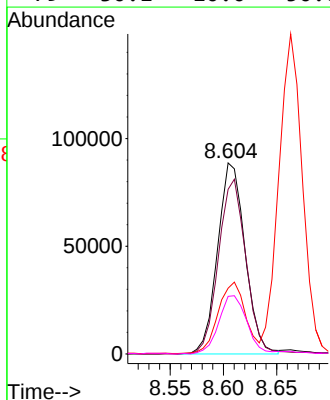
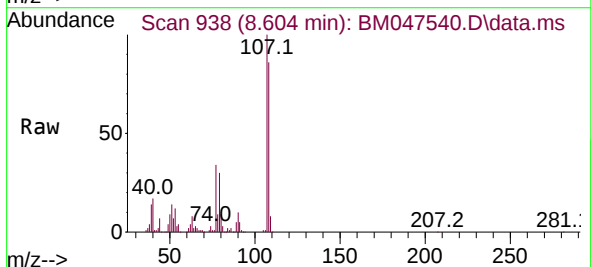
Manual Integrations
APPROVED

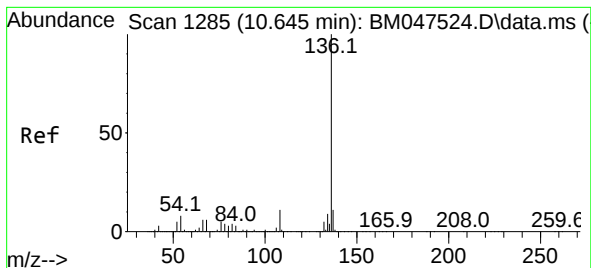
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#20
3+4-Methylphenols
Concen: 4.439 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.012 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

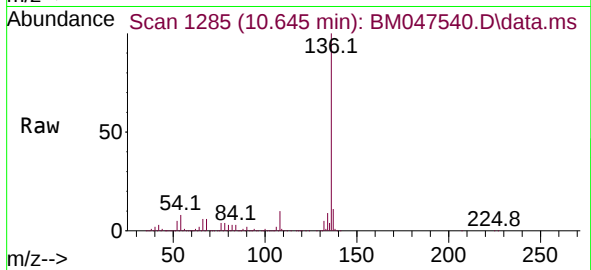
Tgt Ion:107 Resp: 158998
Ion Ratio Lower Upper
107 100
108 86.2 68.9 108.9
77 34.4 15.5 55.5
79 30.1 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

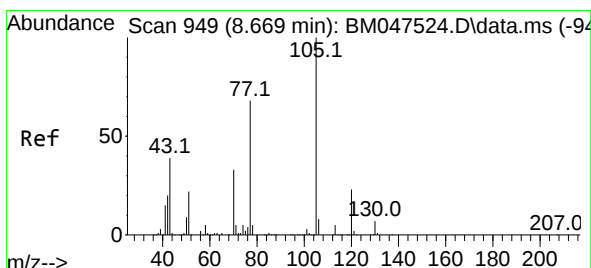
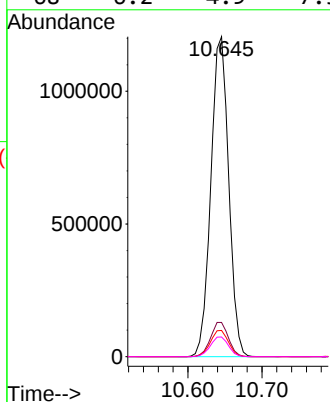
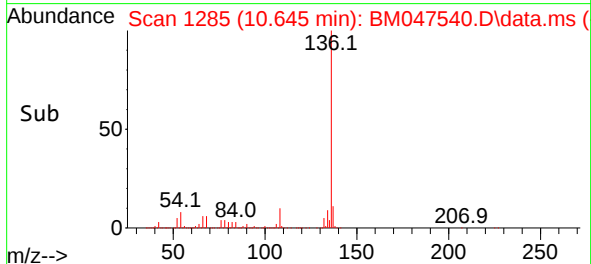
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:136 Resp: 201247
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 8.2 6.6 9.8
68 6.2 4.9 7.3

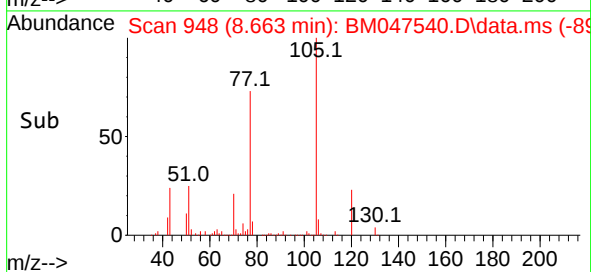
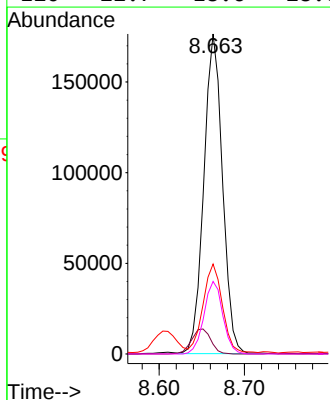
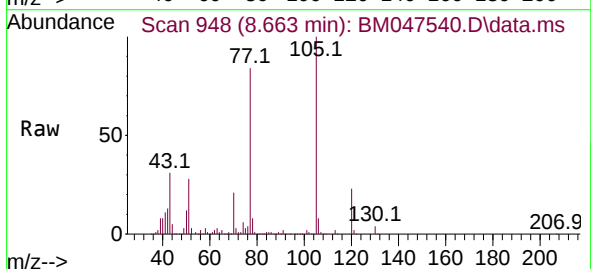
Manual Integrations
APPROVED

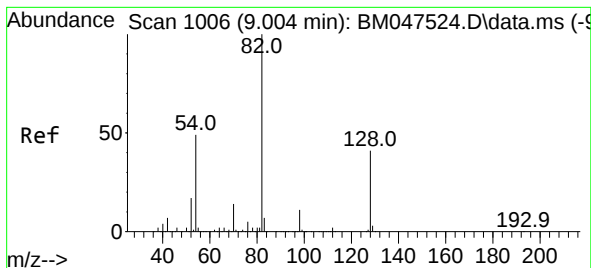
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#22
Acetophenone
Concen: 5.083 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Tgt Ion:105 Resp: 268937
Ion Ratio Lower Upper
105 100
71 3.0 4.3 6.5#
51 28.1 21.5 32.3
120 22.7 18.6 28.0





#23

Nitrobenzene-d5

Concen: 79.727 ng

RT: 8.998 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 82 Resp: 320602

Ion Ratio Lower Upper

82 100

128 39.4 33.0 49.4

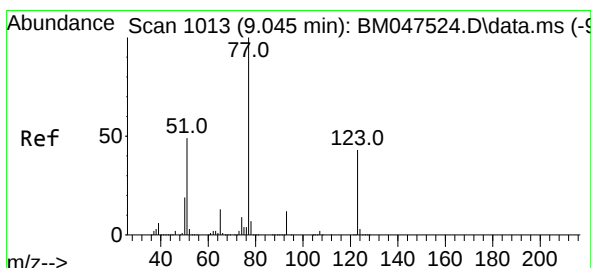
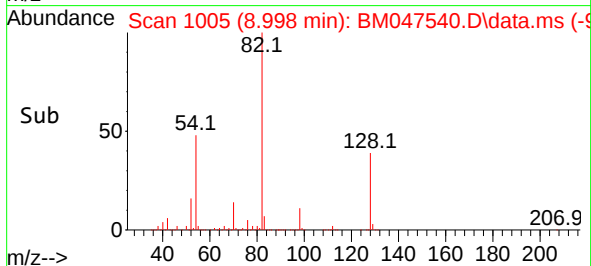
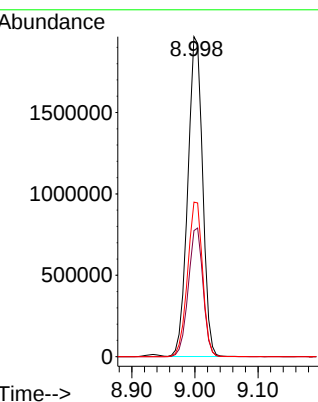
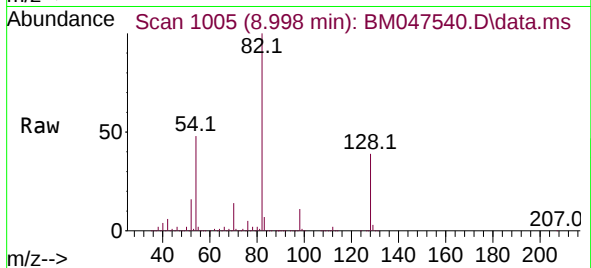
54 48.3 39.3 58.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#24

Nitrobenzene

Concen: 5.377 ng

RT: 9.040 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

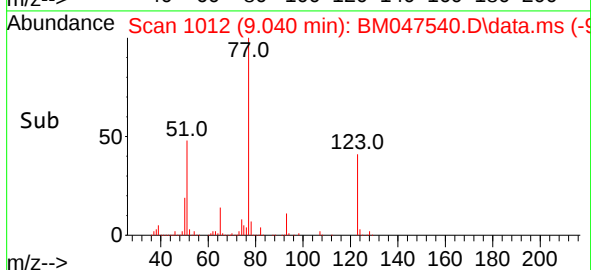
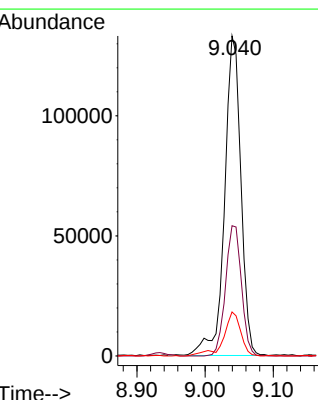
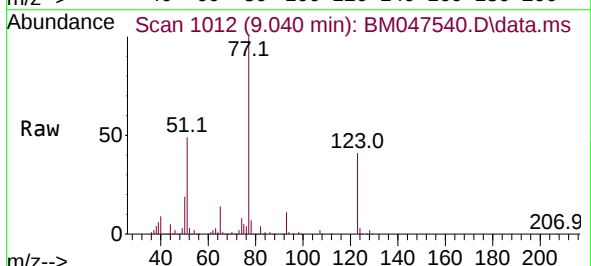
Tgt Ion: 77 Resp: 222181

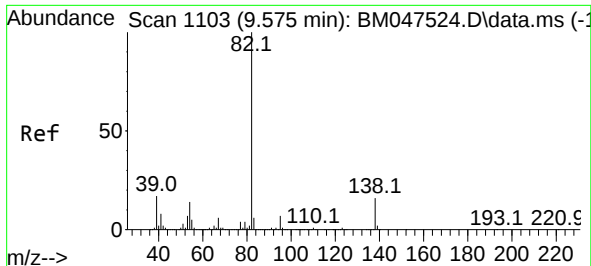
Ion Ratio Lower Upper

77 100

123 40.7 34.5 51.7

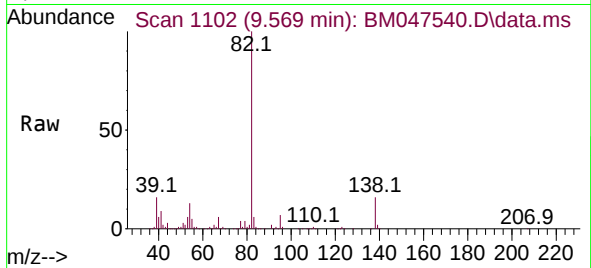
65 13.8 10.7 16.1





#25
Isophorone
Concen: 5.072 ng
RT: 9.569 min Scan# 1102
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

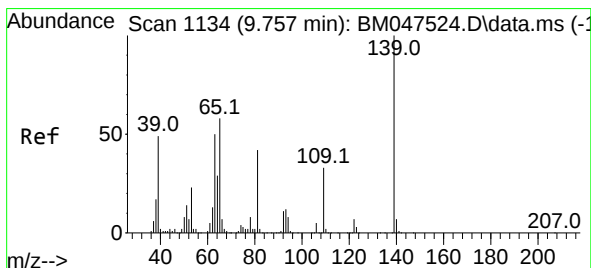
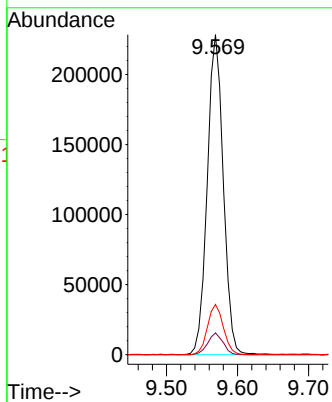
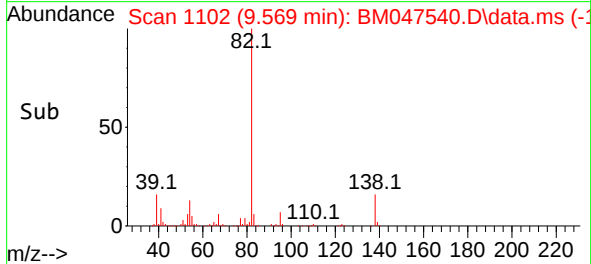
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 82 Resp: 35859
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.0
138 15.7 12.9 19.3

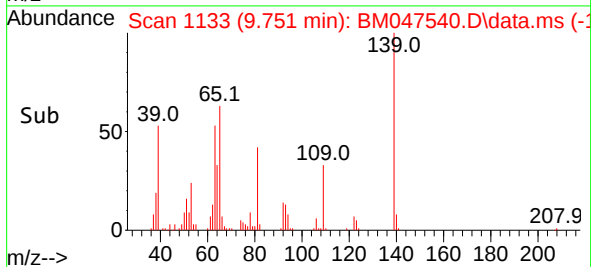
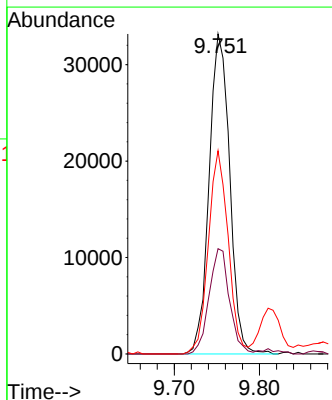
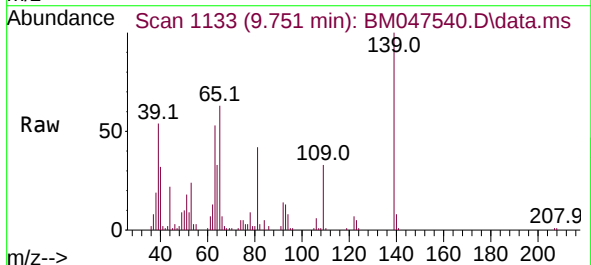
Manual Integrations
APPROVED

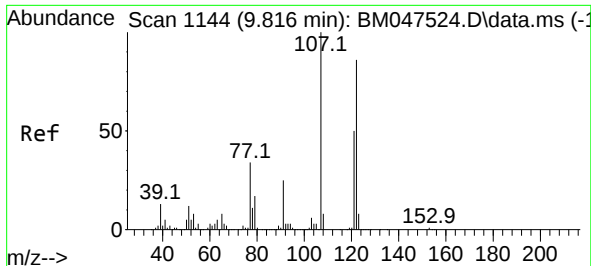
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#26
2-Nitrophenol
Concen: 3.949 ng
RT: 9.751 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Tgt Ion:139 Resp: 55598
Ion Ratio Lower Upper
139 100
109 32.9 26.0 39.0
65 63.5 46.2 69.4





#27

2,4-Dimethylphenol

Concen: 5.252 ng m

RT: 9.816 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BM047540.D

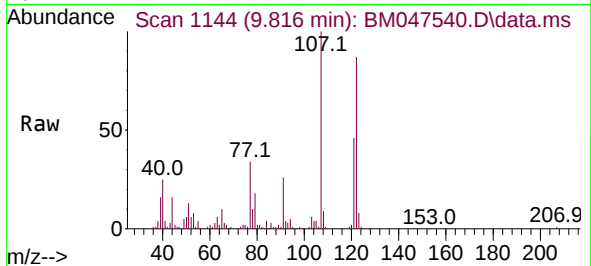
Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

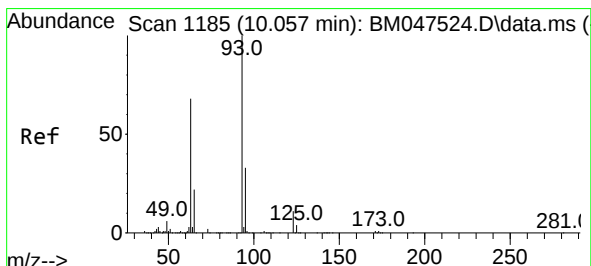
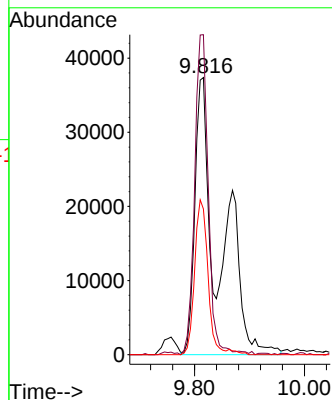
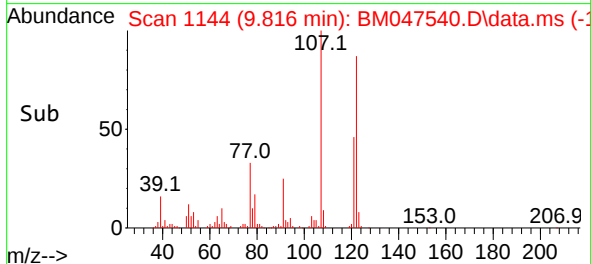


Tgt Ion	Ratio	Lower	Upper
122	100		
107	115.5	92.4	138.6
121	52.6	46.2	69.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#28

bis(2-Chloroethoxy)methane

Concen: 5.140 ng

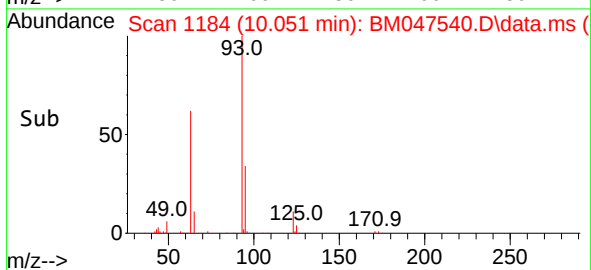
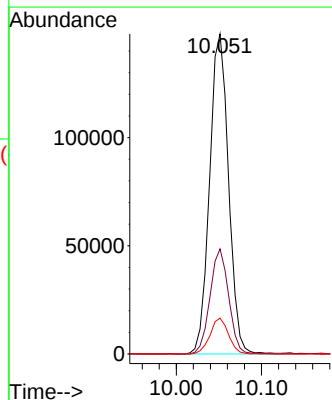
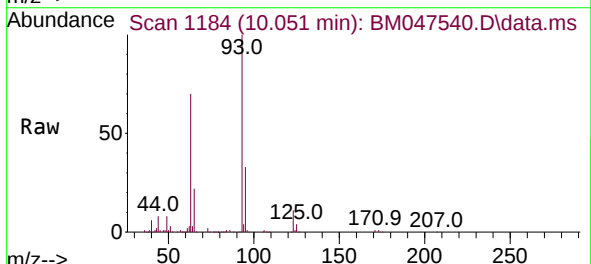
RT: 10.051 min Scan# 1184

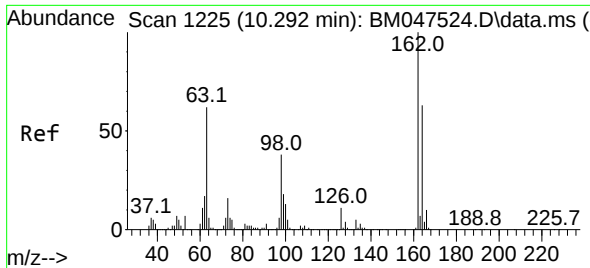
Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	11.2	9.2	13.8





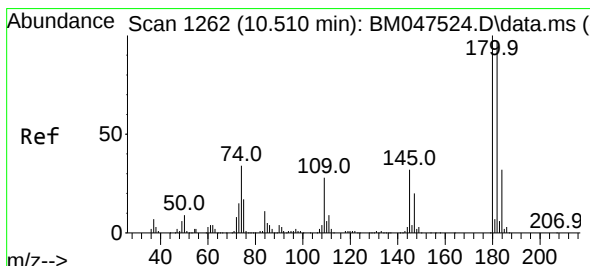
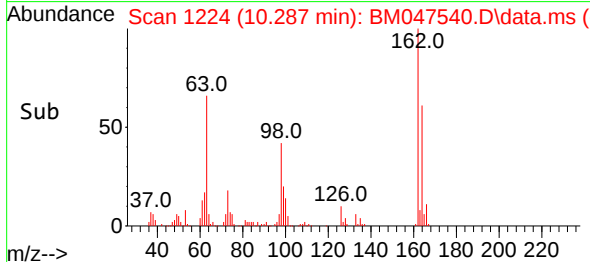
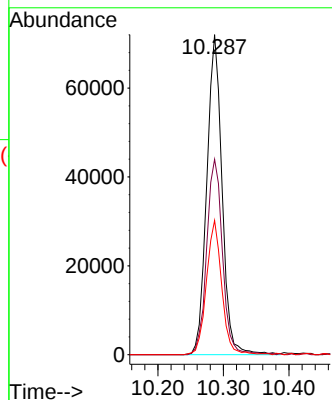
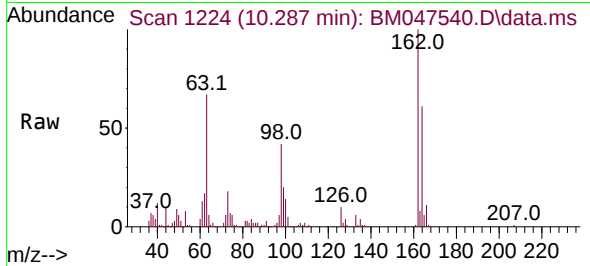
#29
2,4-Dichlorophenol
Concen: 4.315 ng
RT: 10.287 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:162 Resp: 117000
Ion Ratio Lower Upper
162 100
164 61.1 43.5 83.5
98 41.9 17.6 57.6

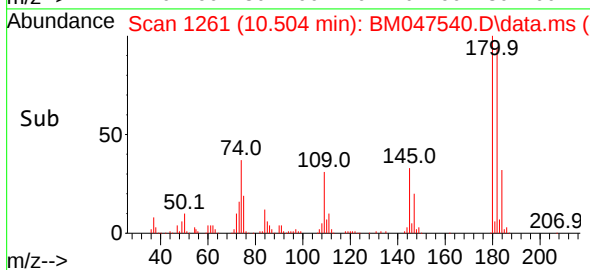
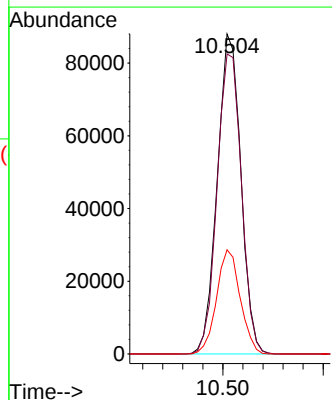
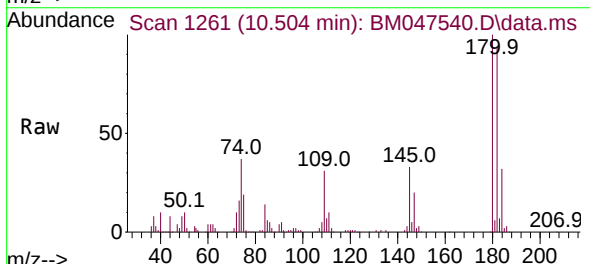
Manual Integrations
APPROVED

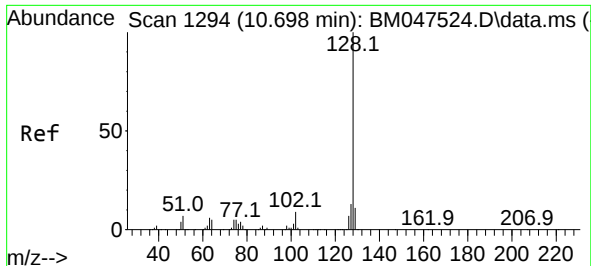
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#30
1,2,4-Trichlorobenzene
Concen: 4.625 ng
RT: 10.504 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

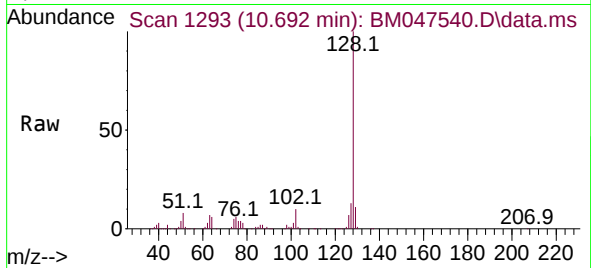
Tgt Ion:180 Resp: 143657
Ion Ratio Lower Upper
180 100
182 93.8 77.6 116.4
145 32.5 25.4 38.0





#31
Naphthalene
Concen: 4.801 ng
RT: 10.692 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

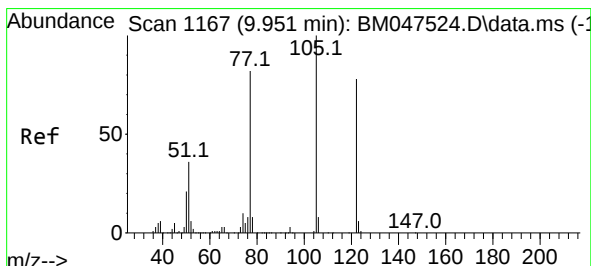
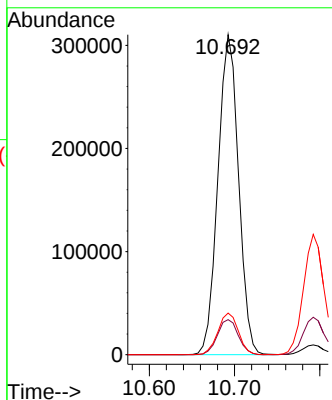
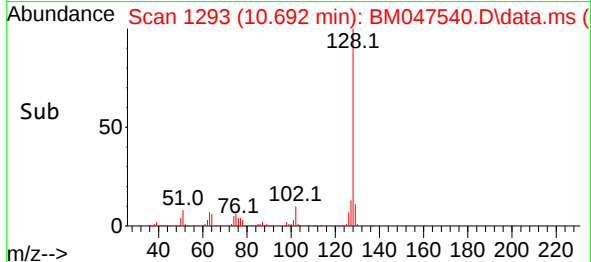
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:128 Resp: 52182
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.0 10.5 15.7

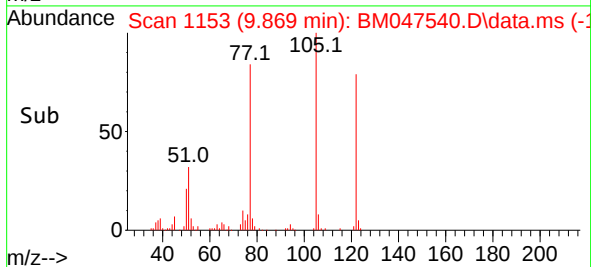
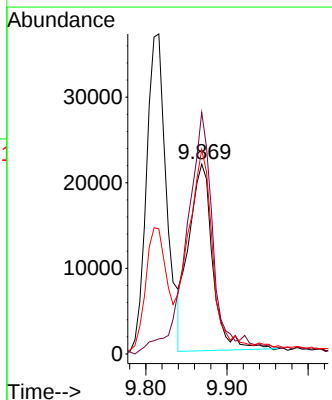
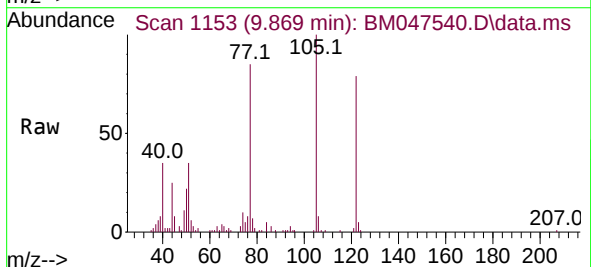
Manual Integrations
APPROVED

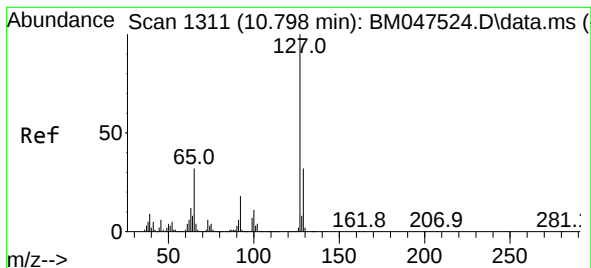
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#32
Benzoic acid
Concen: 8.524 ng
RT: 9.869 min Scan# 1153
Delta R.T. -0.082 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

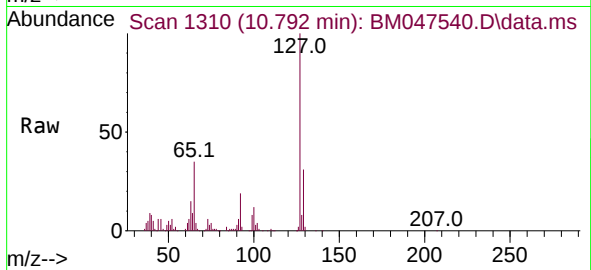
Tgt Ion:122 Resp: 44624
Ion Ratio Lower Upper
122 100
105 127.3 104.7 144.7
77 107.6 83.4 123.4





#33
4-Chloroaniline
Concen: 5.025 ng
RT: 10.792 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

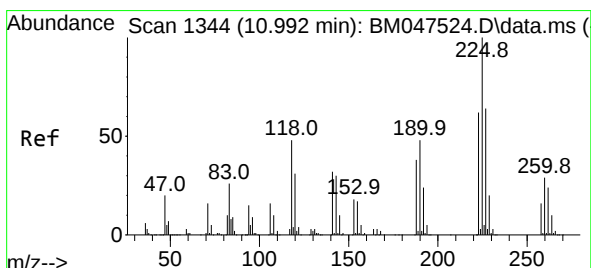
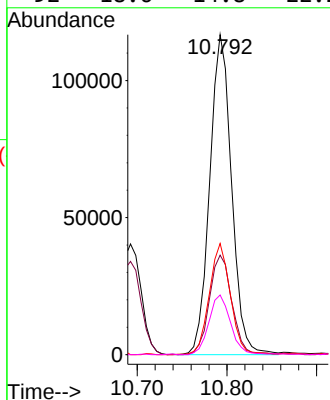
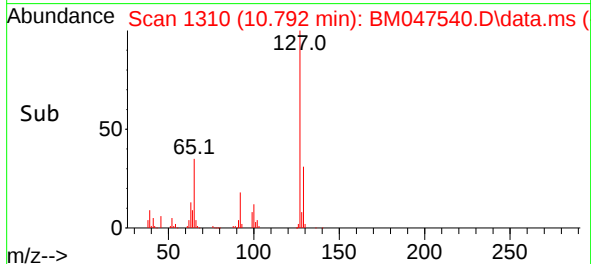
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



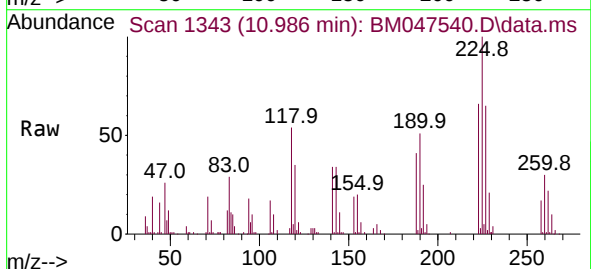
Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.4	38.0
65	34.7	25.5	38.3
92	18.6	14.8	22.2

Manual Integrations
APPROVED

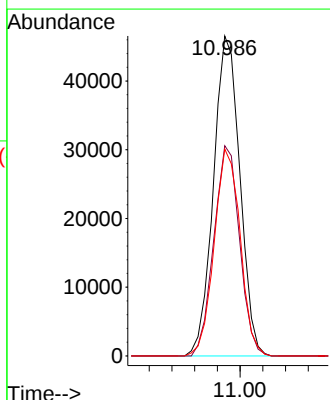
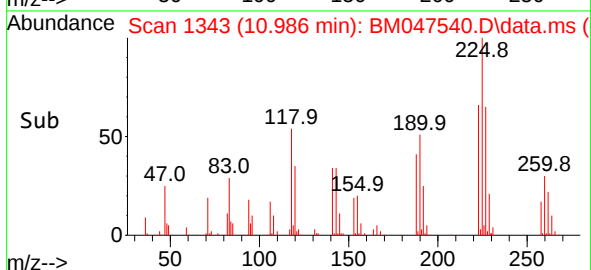
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

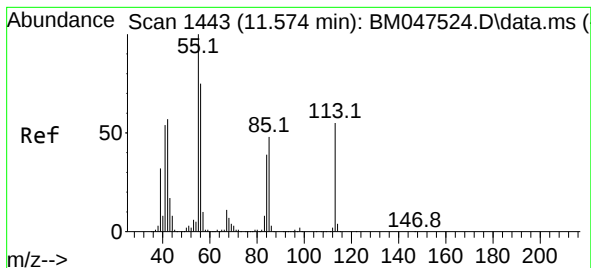


#34
Hexachlorobutadiene
Concen: 4.368 ng
RT: 10.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40



Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	49.8	74.6
227	64.6	51.0	76.4





#35

Caprolactam

Concen: 4.390 ng

RT: 11.551 min Scan# 1443

Delta R.T. -0.023 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

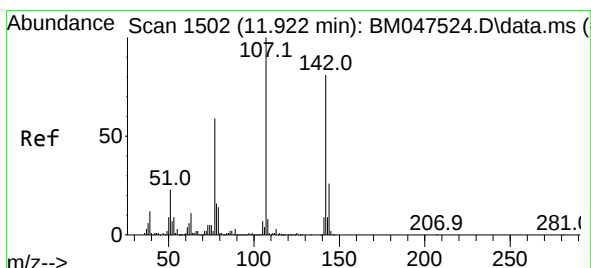
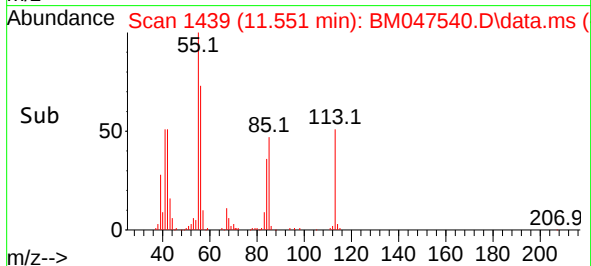
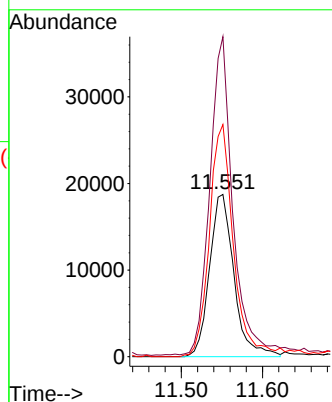
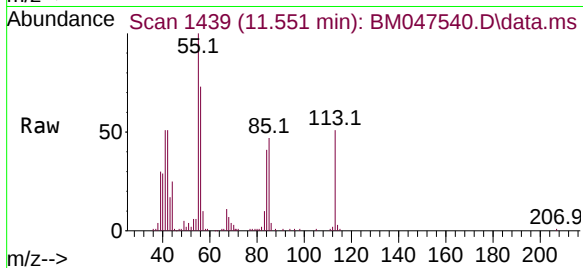
LOQ-SOIL-02-QT2-2024

Tgt Ion:	113	Resp:	39214
Ion Ratio	Lower	Upper	
113	100		
55	197.2	162.5	202.5
56	143.1	116.5	156.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#36

4-Chloro-3-methylphenol

Concen: 4.435 ng

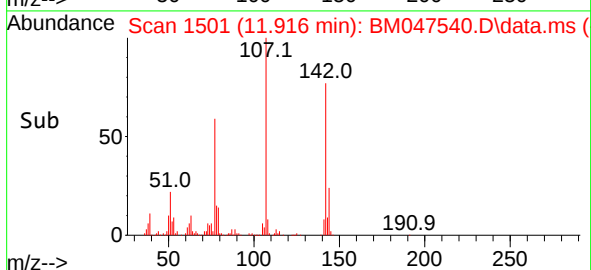
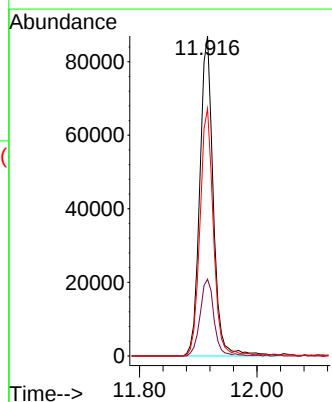
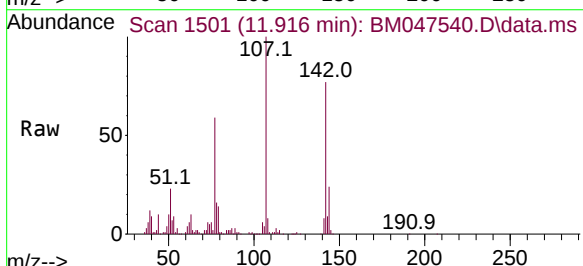
RT: 11.916 min Scan# 1501

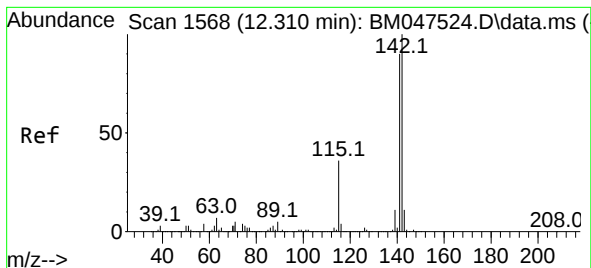
Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Tgt Ion:	107	Resp:	137830
Ion Ratio	Lower	Upper	
107	100		
144	24.0	20.5	30.7
142	77.3	65.0	97.4





#37

2-Methylnaphthalene

Concen: 4.620 ng

RT: 12.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

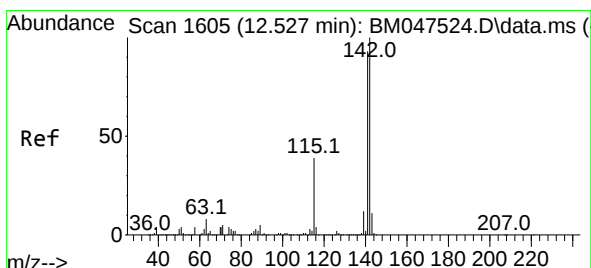
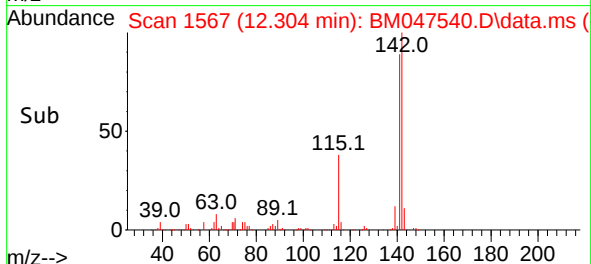
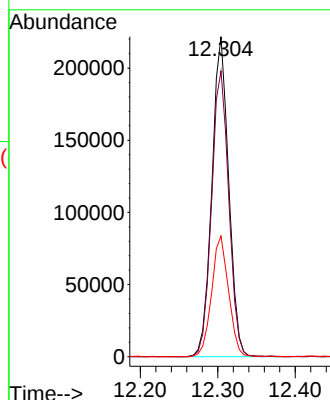
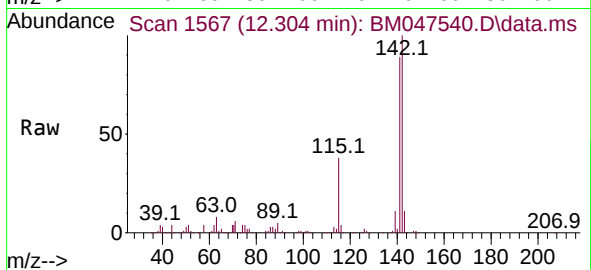
LOQ-SOIL-02-QT2-2024

Tgt Ion:142	Resp: 33423
Ion Ratio	Lower Upper
142	100
141	89.2 72.2 108.4
115	37.7 29.1 43.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#38

1-Methylnaphthalene

Concen: 4.440 ng

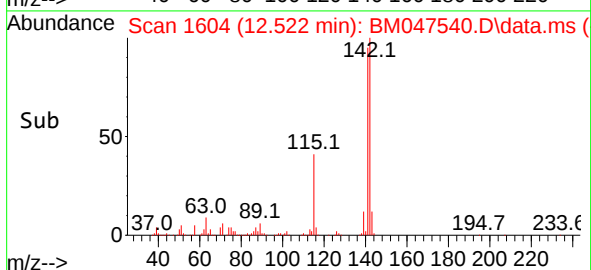
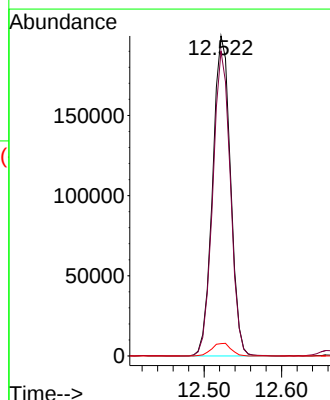
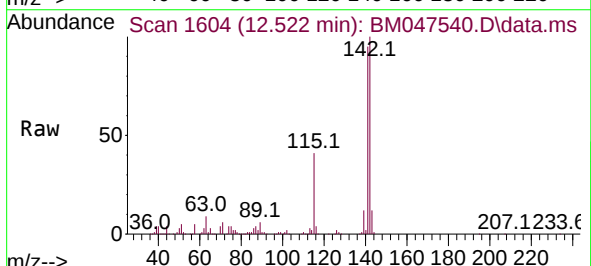
RT: 12.522 min Scan# 1604

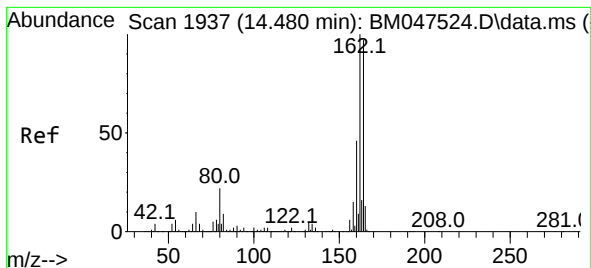
Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

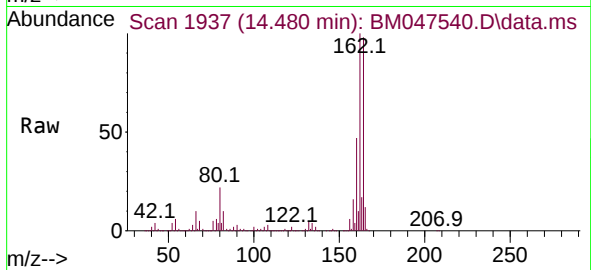
Tgt Ion:142	Resp: 319163
Ion Ratio	Lower Upper
142	100
141	95.3 74.7 112.1
116	3.8 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

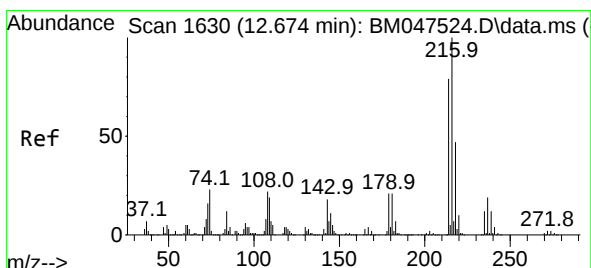
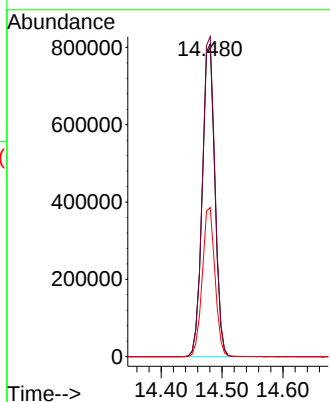
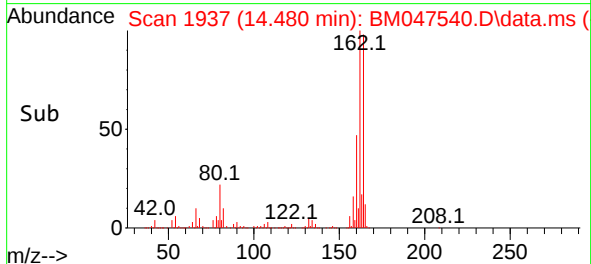
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:164 Resp: 1165518
Ion Ratio Lower Upper
164 100
162 102.4 82.2 123.2
160 47.7 38.2 57.2

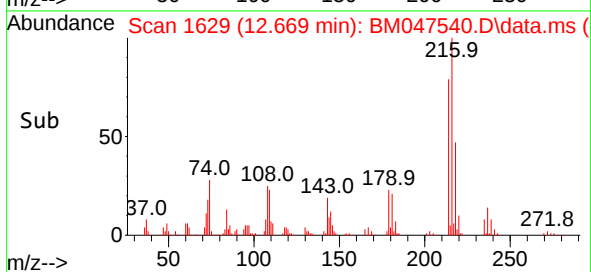
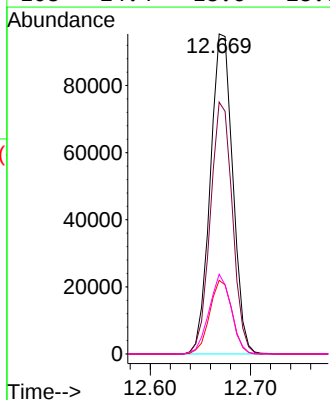
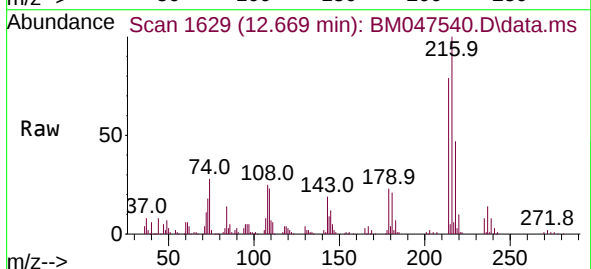
Manual Integrations
APPROVED

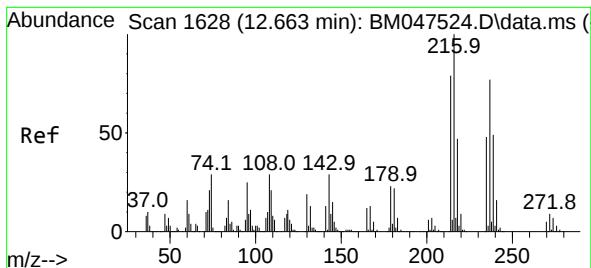
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.715 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

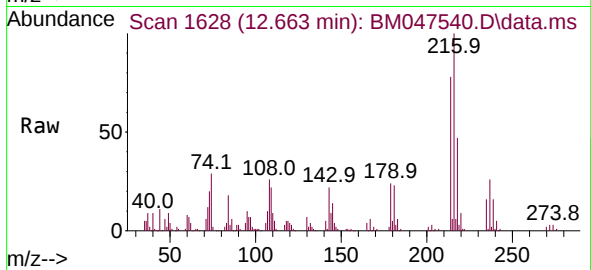
Tgt Ion:216 Resp: 148712
Ion Ratio Lower Upper
216 100
214 77.3 63.0 94.6
179 22.8 17.5 26.3
108 24.4 18.6 28.0





#41
Hexachlorocyclopentadiene
Concen: 2.719 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

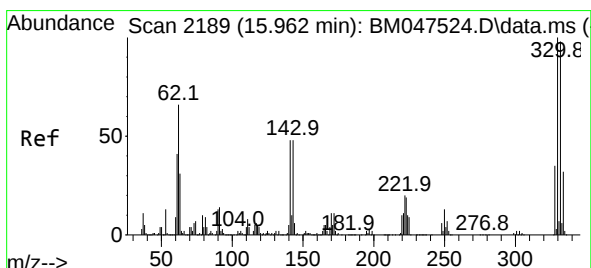
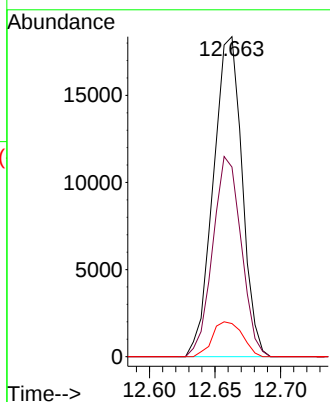
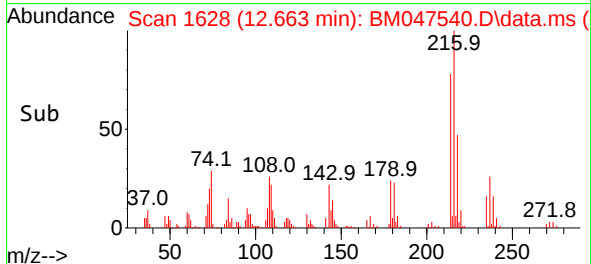
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



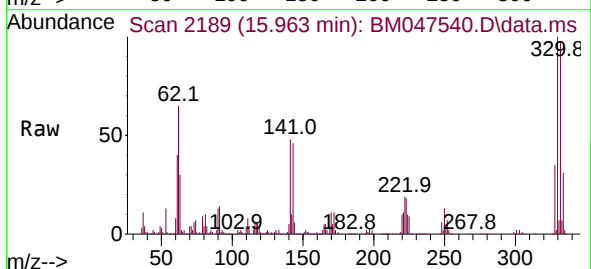
Tgt Ion: 237 Resp: 2803
Ion Ratio Lower Upper
237 100
235 59.2 42.0 82.0
272 10.4 0.0 31.5

Manual Integrations
APPROVED

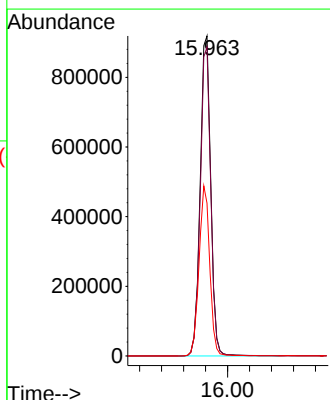
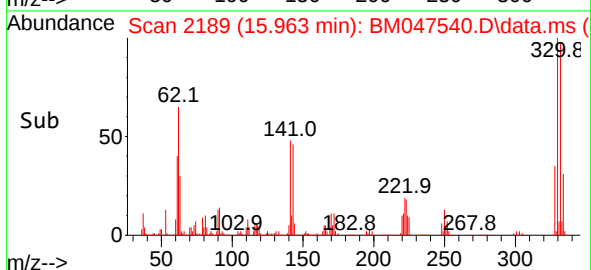
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

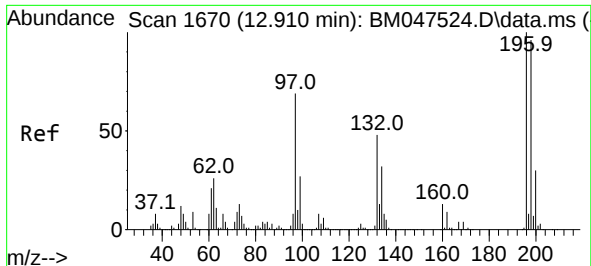


#42
2,4,6-Tribromophenol
Concen: 109.014 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40



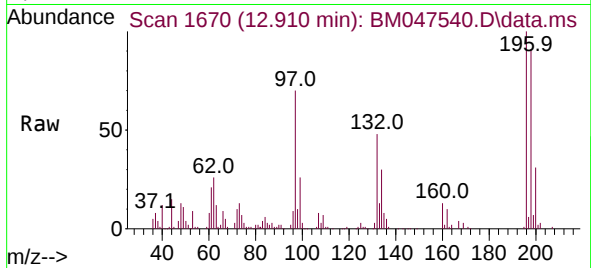
Tgt Ion: 330 Resp: 1228119
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 54.0 42.2 63.2





#43
2,4,6-Trichlorophenol
Concen: 4.051 ng
RT: 12.910 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

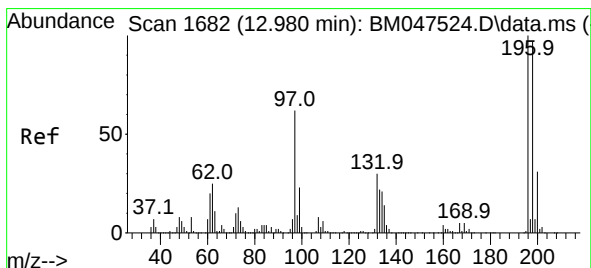
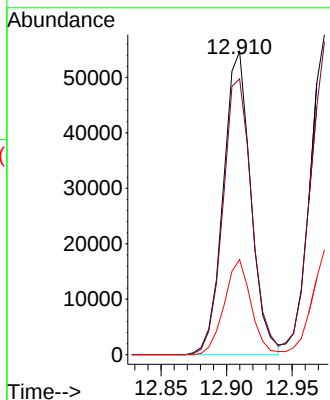
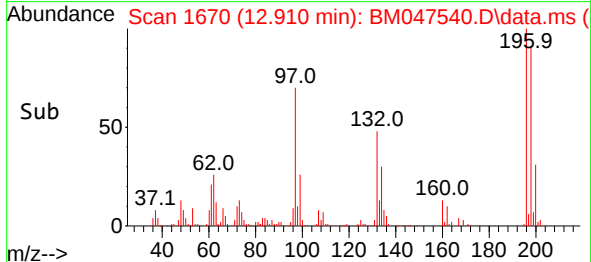
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



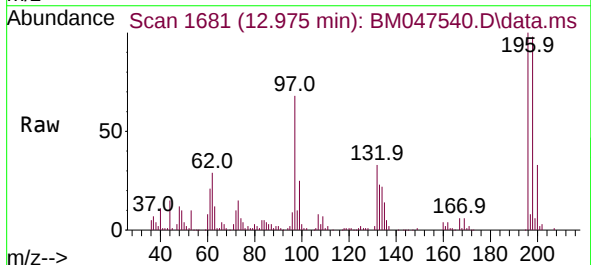
Tgt Ion:196 Resp: 8003
Ion Ratio Lower Upper
196 100
198 91.0 76.9 115.3
200 31.3 24.3 36.5

Manual Integrations
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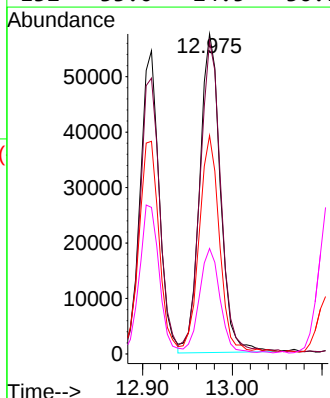
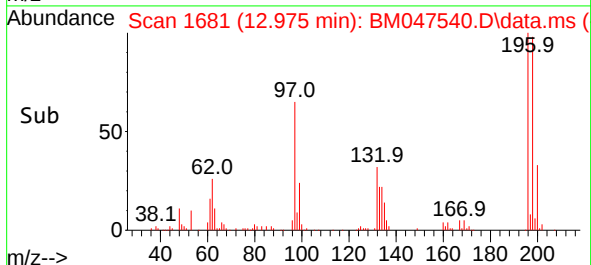
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

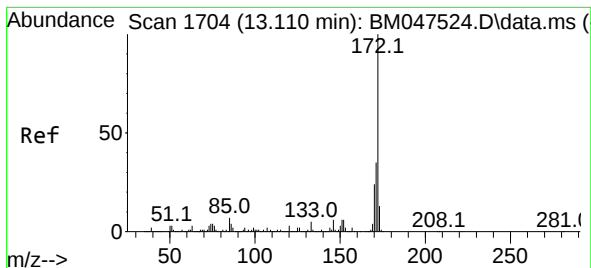


#44
2,4,5-Trichlorophenol
Concen: 4.112 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40



Tgt Ion:196 Resp: 91775
Ion Ratio Lower Upper
196 100
198 97.8 77.4 116.2
97 68.2 49.8 74.8
132 33.0 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 81.271 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BM047540.D

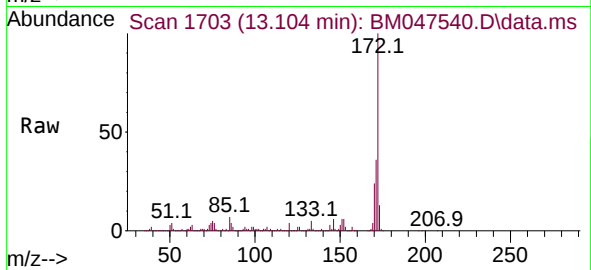
Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:172 Resp: 6876318

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

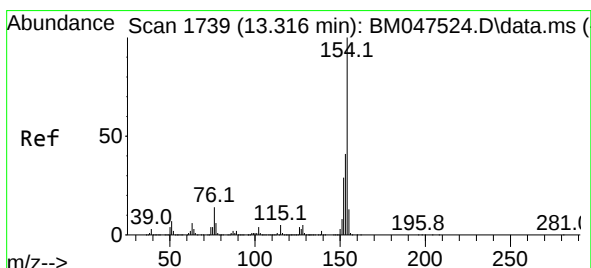
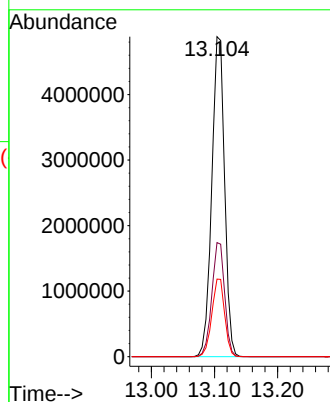
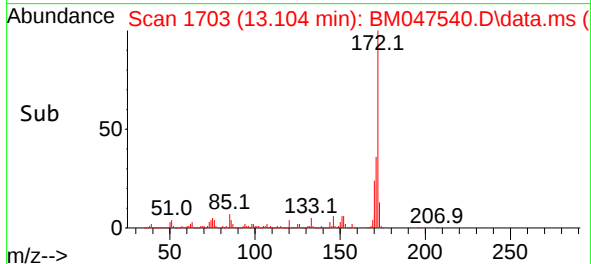
170 24.3 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#46

1,1'-Biphenyl

Concen: 4.897 ng

RT: 13.316 min Scan# 1739

Delta R.T. 0.000 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

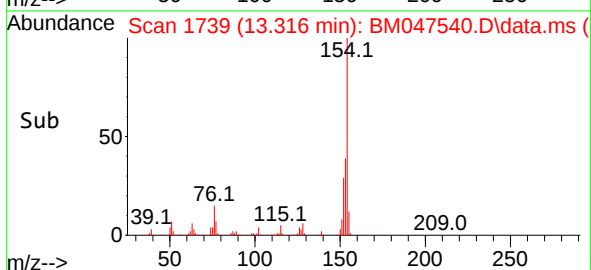
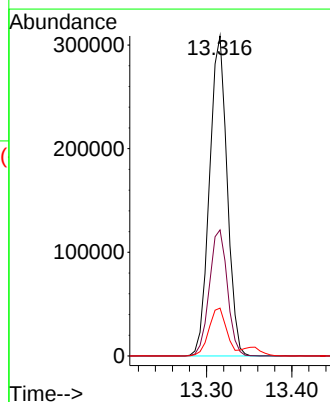
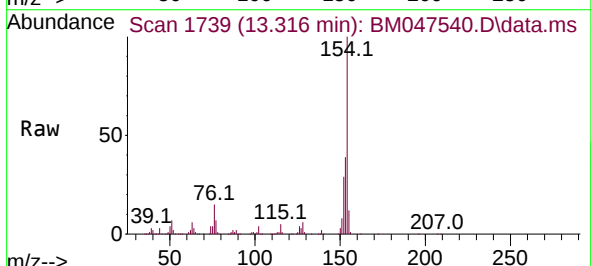
Tgt Ion:154 Resp: 444046

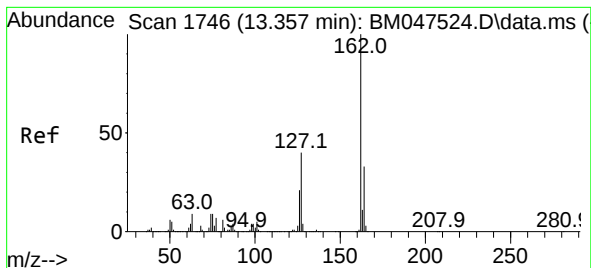
Ion Ratio Lower Upper

154 100

153 39.4 20.6 60.6

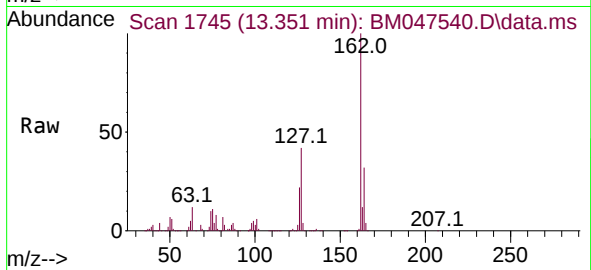
76 14.9 0.0 33.9





#47
2-Chloronaphthalene
Concen: 4.657 ng
RT: 13.351 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

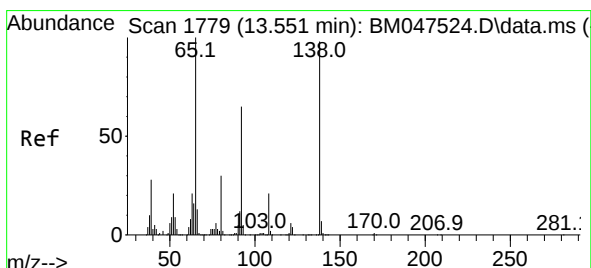
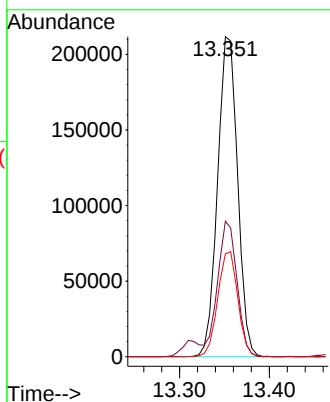
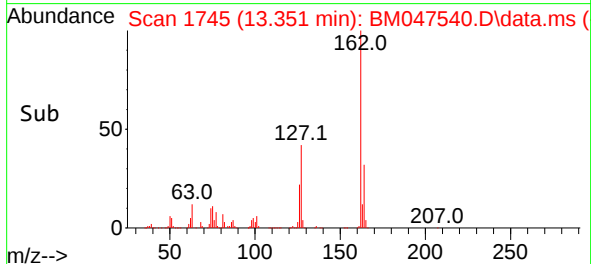
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2024



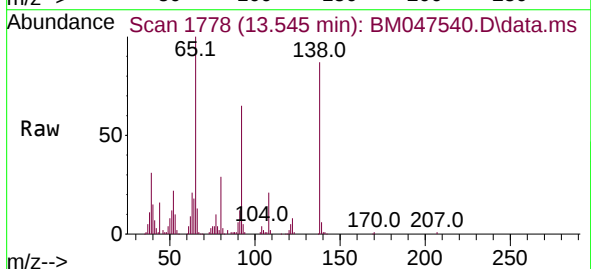
Tgt Ion:162 Resp: 32794
Ion Ratio Lower Upper
162 100
127 42.4 32.2 48.4
164 32.2 26.3 39.5

Manual Integrations
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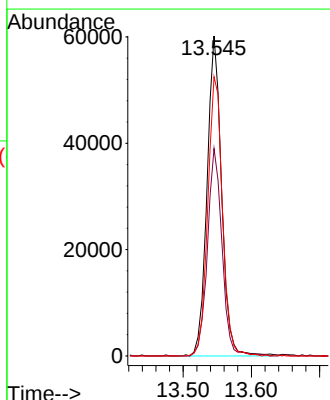
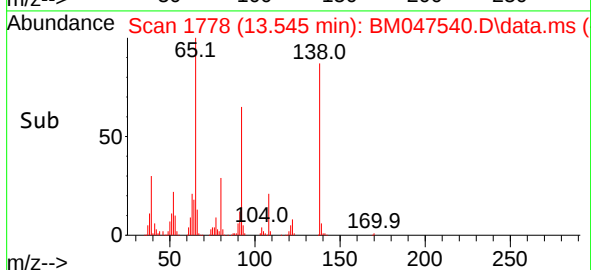
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

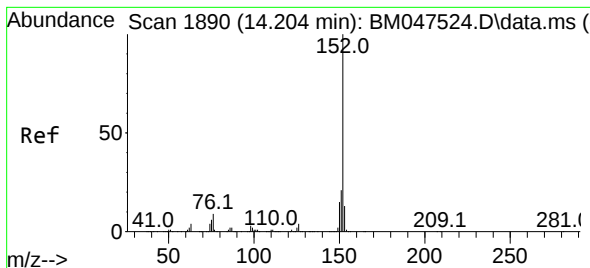


#48
2-Nitroaniline
Concen: 4.316 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40



Tgt Ion: 65 Resp: 89257
Ion Ratio Lower Upper
65 100
92 64.8 51.9 77.9
138 87.2 78.5 117.7





#49

Acenaphthylene

Concen: 5.093 ng

RT: 14.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047540.D

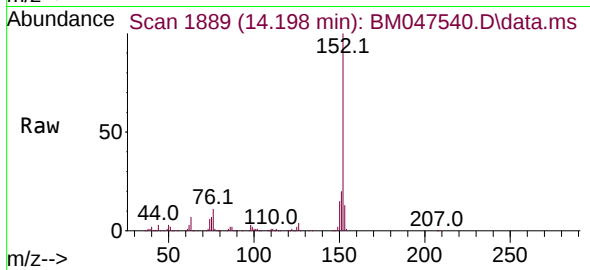
Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

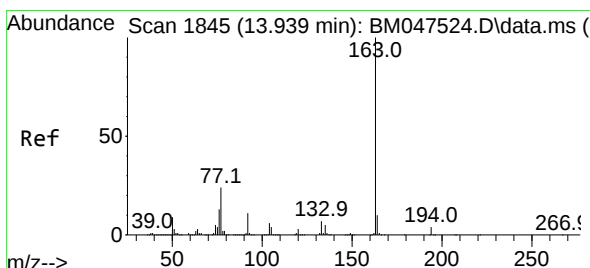
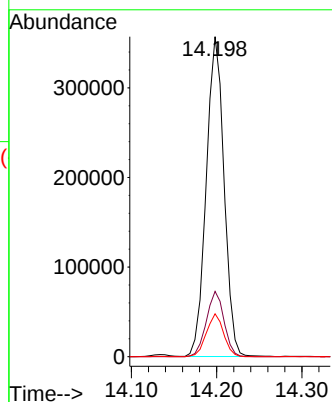
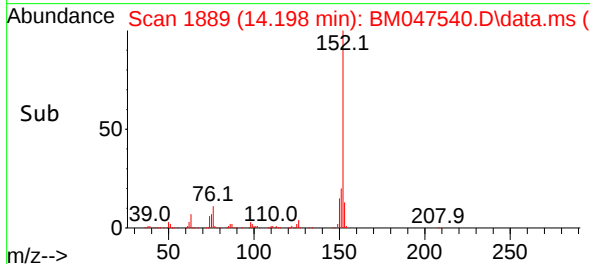


Tgt Ion:	152	Resp:	51750
Ion Ratio	100	Lower	Upper
152	100		
151	20.4	16.5	24.7
153	13.4	10.4	15.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#50

Dimethylphthalate

Concen: 4.831 ng

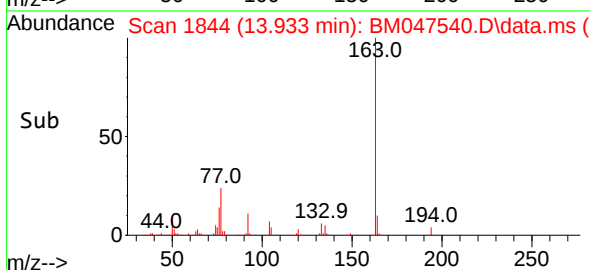
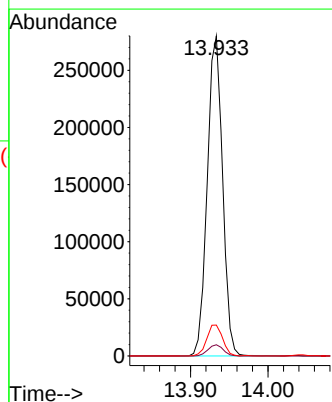
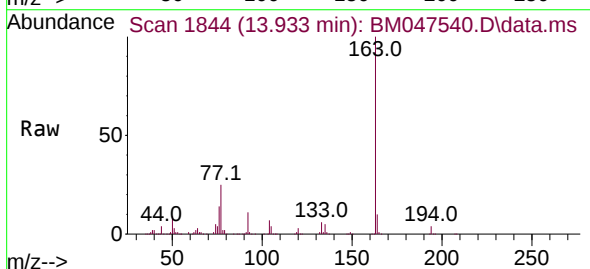
RT: 13.933 min Scan# 1844

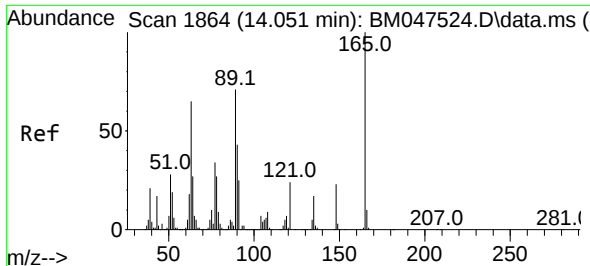
Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

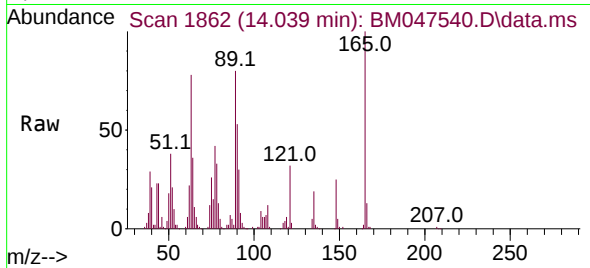
Tgt Ion:	163	Resp:	383761
Ion Ratio	100	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	9.6	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 4.216 ng
RT: 14.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

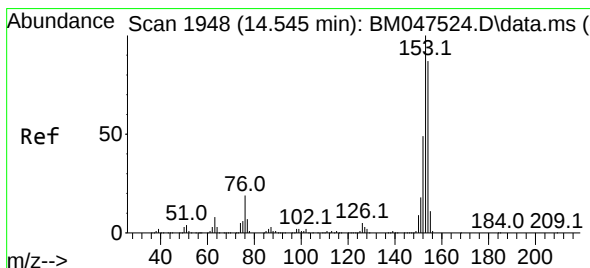
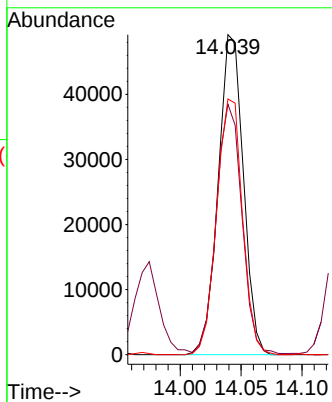
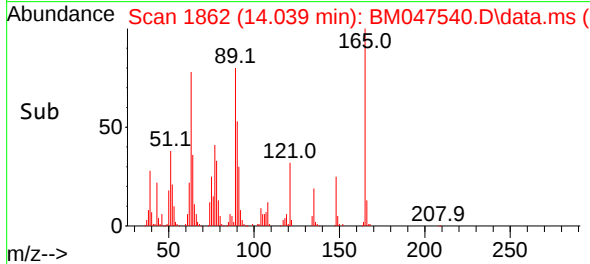
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:165 Resp: 70710
Ion Ratio Lower Upper
165 100
63 78.3 54.2 81.2
89 79.9 56.4 84.6

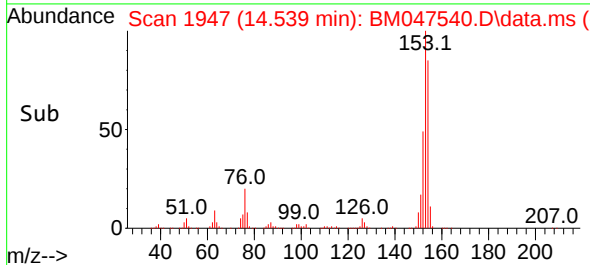
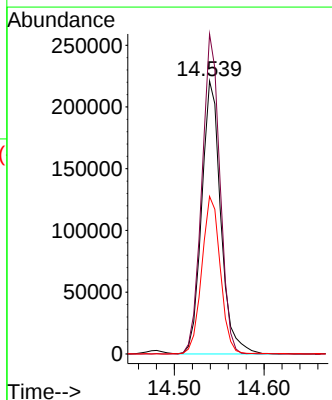
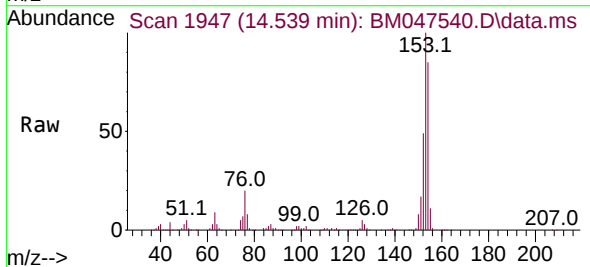
Manual Integrations
APPROVED

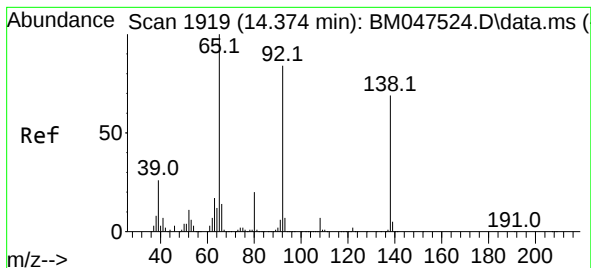
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#52
Acenaphthene
Concen: 4.579 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Tgt Ion:154 Resp: 326015
Ion Ratio Lower Upper
154 100
153 117.2 92.2 138.2
152 57.7 45.4 68.0





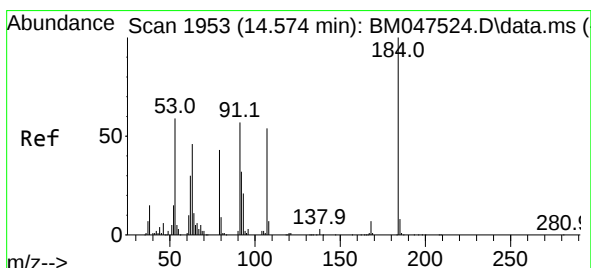
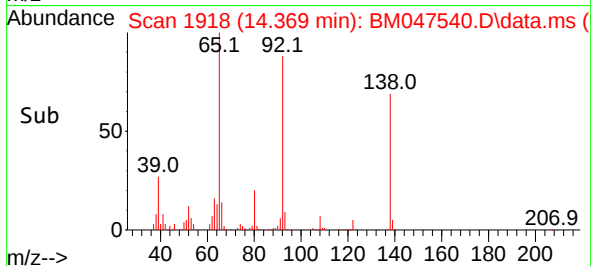
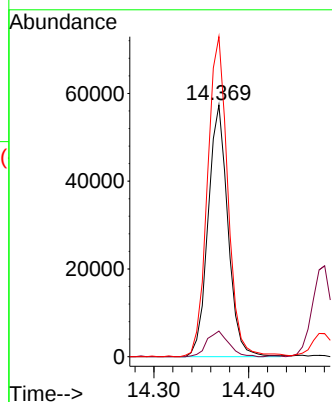
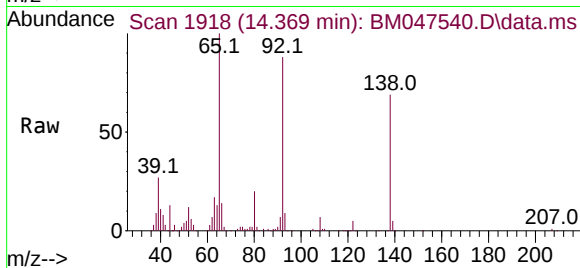
#53
3-Nitroaniline
Concen: 4.470 ng
RT: 14.369 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:138 Resp: 8332
Ion Ratio Lower Upper
138 100
108 10.1 8.0 12.0
92 127.1 97.4 146.0

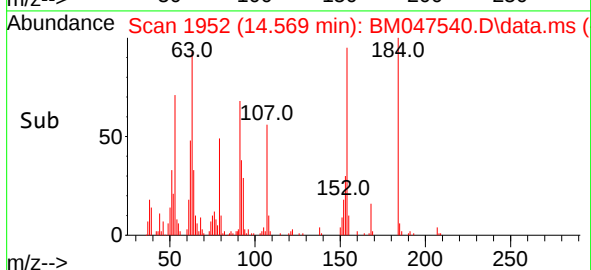
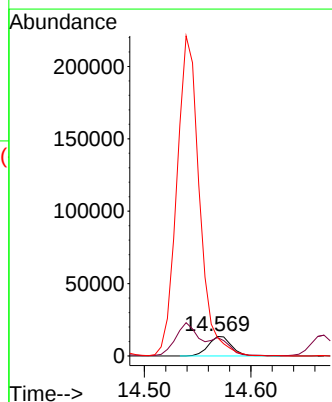
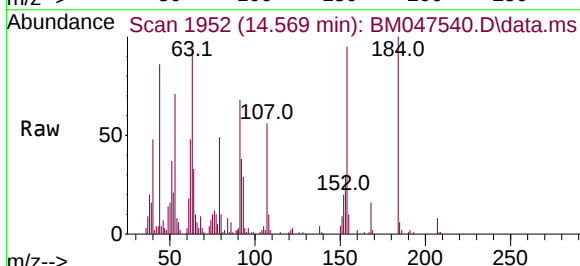
Manual Integrations
APPROVED

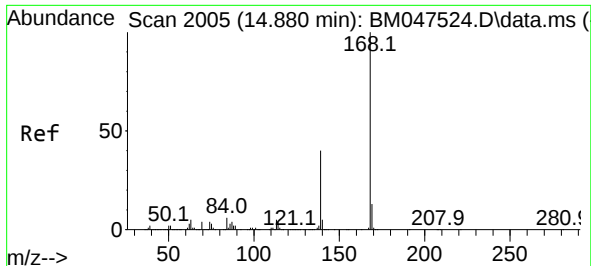
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#54
2,4-Dinitrophenol
Concen: 5.836 ng
RT: 14.569 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

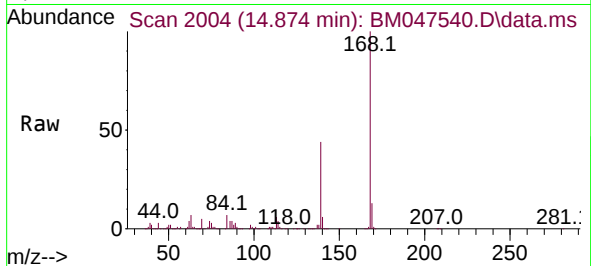
Tgt Ion:184 Resp: 20260
Ion Ratio Lower Upper
184 100
63 93.9 69.4 104.0
154 94.7 60.4 90.6#





#55
Dibenzofuran
Concen: 4.851 ng
RT: 14.874 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

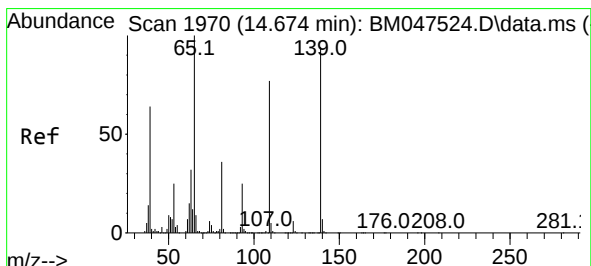
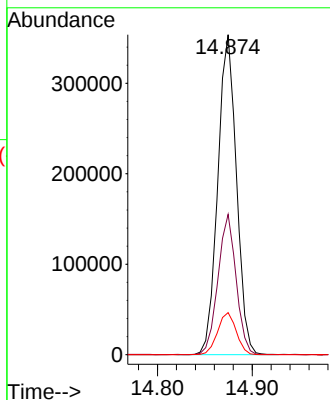
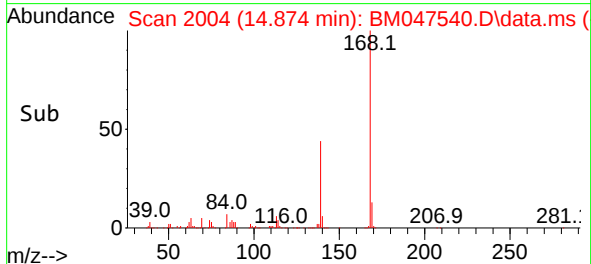
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:168 Resp: 485358
Ion Ratio Lower Upper
168 100
139 43.9 31.9 47.9
169 13.2 10.5 15.7

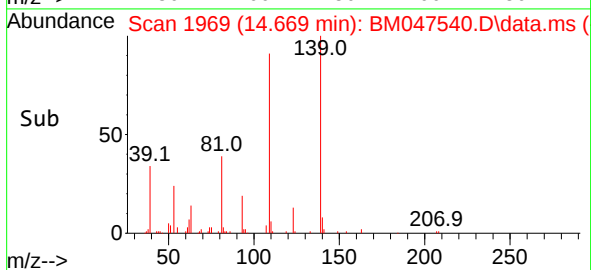
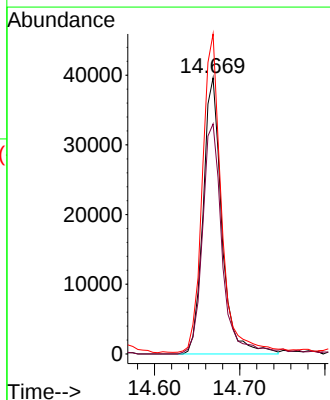
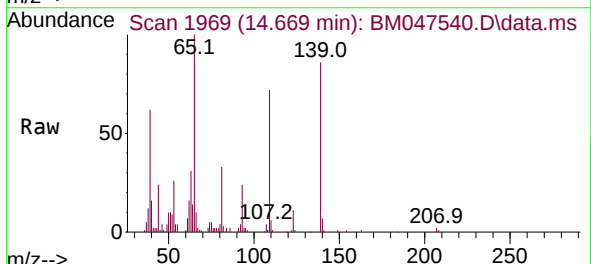
Manual Integrations
APPROVED

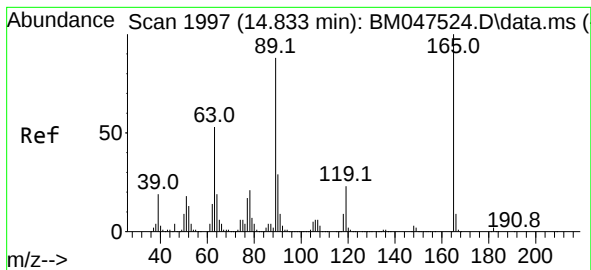
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#56
4-Nitrophenol
Concen: 3.941 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Tgt Ion:139 Resp: 60446
Ion Ratio Lower Upper
139 100
109 83.3 62.0 102.0
65 115.8 87.0 127.0





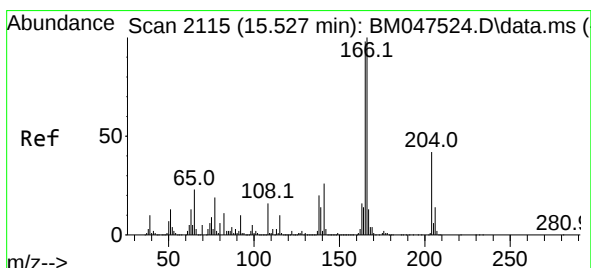
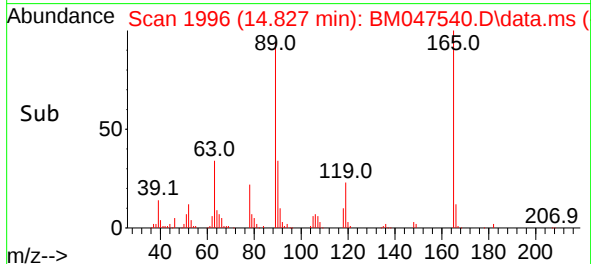
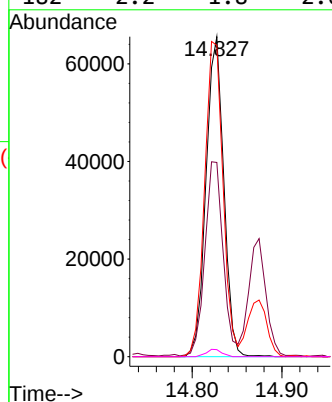
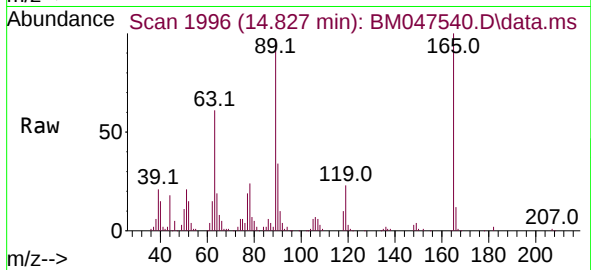
#57
2,4-Dinitrotoluene
Concen: 4.024 ng
RT: 14.827 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:	165	Resp:	89990
Ion Ratio	Lower	Upper	
165	100		
63	60.7	42.4	63.6
89	97.3	70.5	105.7
182	2.2	1.8	2.6

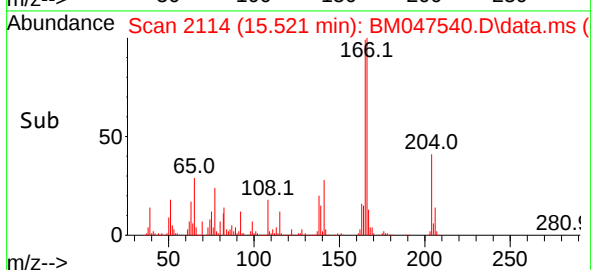
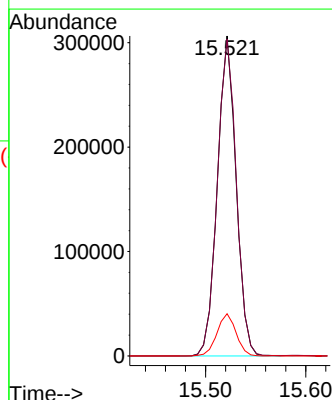
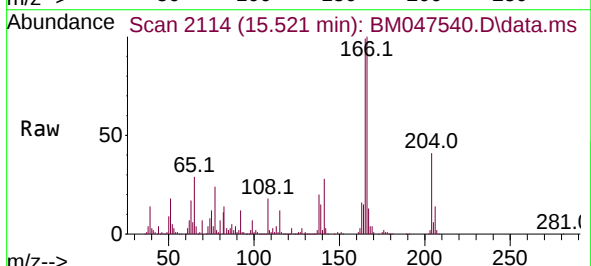
Manual Integrations
APPROVED

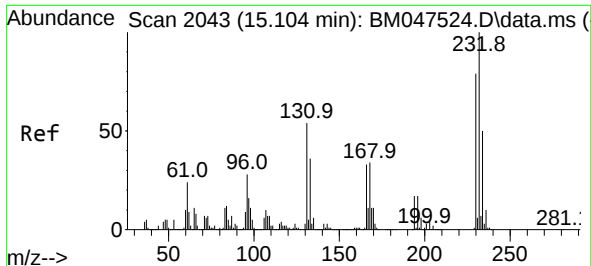
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#58
Fluorene
Concen: 4.409 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

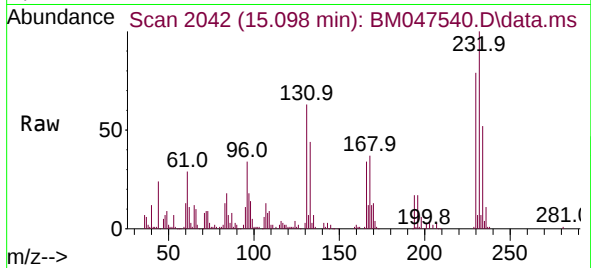
Tgt Ion:	166	Resp:	397142
Ion Ratio	Lower	Upper	
166	100		
165	99.0	78.6	117.8
167	13.2	10.7	16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.290 ng
RT: 15.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

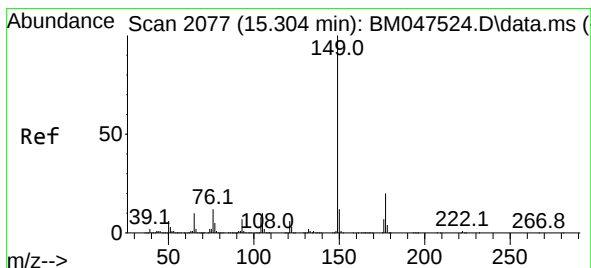
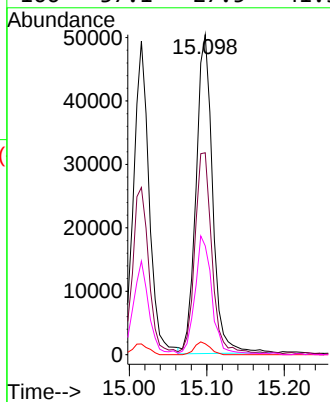
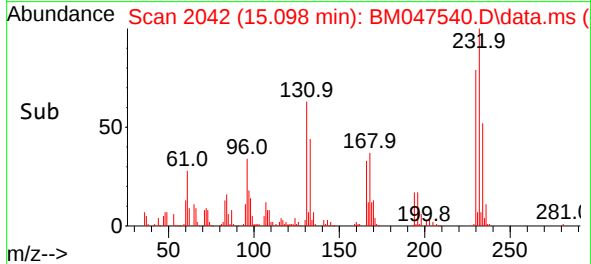
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:232 Resp: 7465
Ion Ratio Lower Upper
232 100
131 63.6 47.0 70.4
130 3.7 2.6 3.8
166 37.1 27.5 41.3

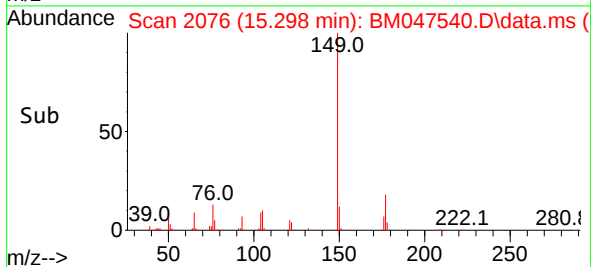
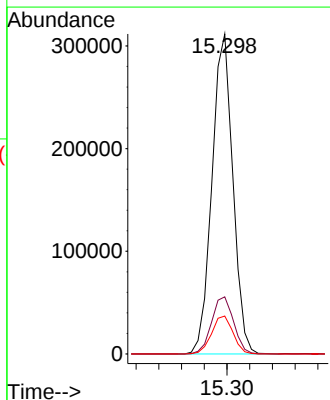
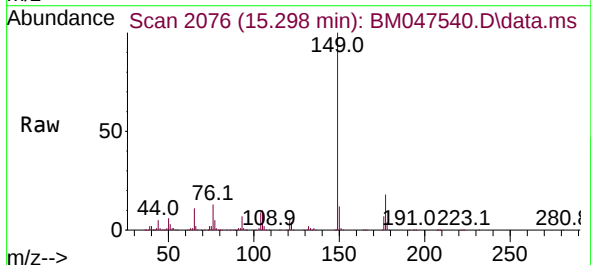
Manual Integrations
APPROVED

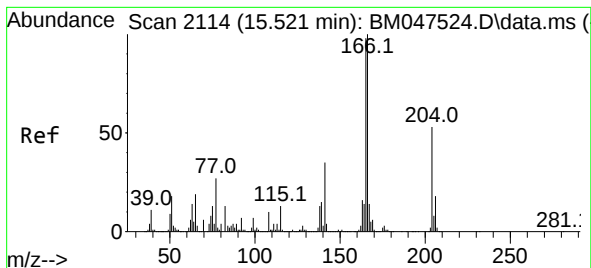
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#60
Diethylphthalate
Concen: 4.706 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Tgt Ion:149 Resp: 397830
Ion Ratio Lower Upper
149 100
177 17.9 15.8 23.8
150 11.9 9.7 14.5





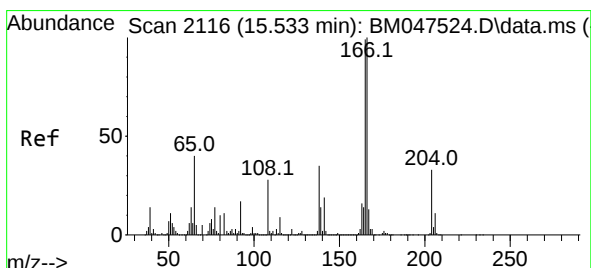
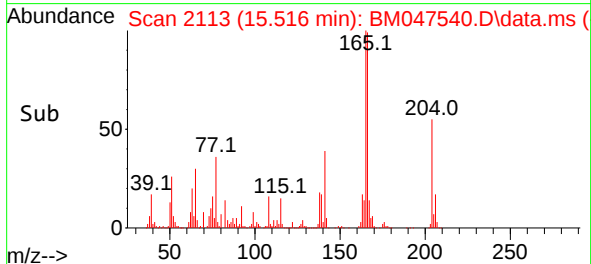
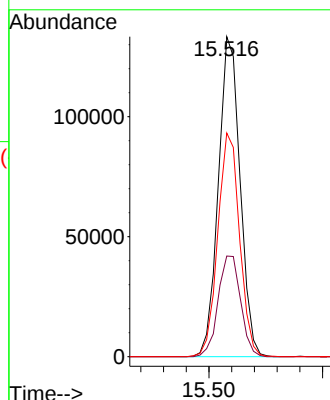
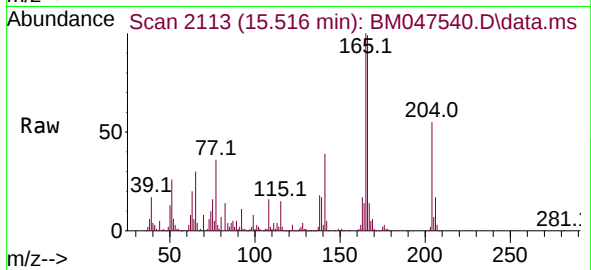
#61
4-Chlorophenyl-phenylether
Concen: 4.293 ng
RT: 15.516 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:204 Resp: 17681
Ion Ratio Lower Upper
204 100
206 31.4 26.5 39.7
141 69.9 52.1 78.1

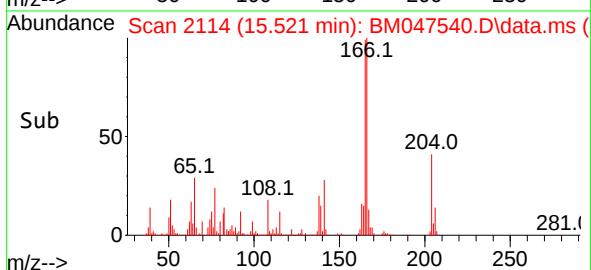
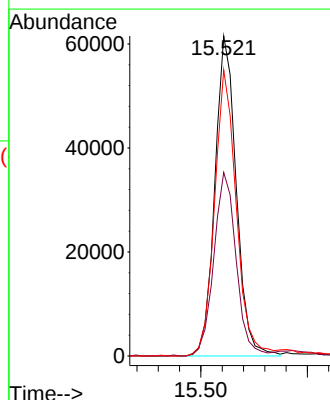
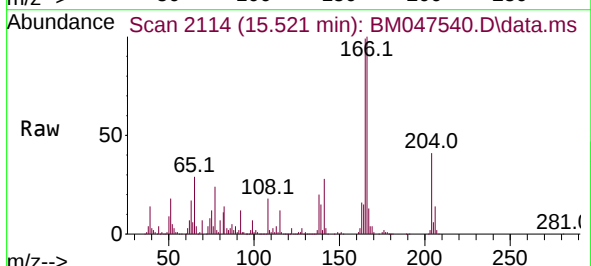
Manual Integrations
APPROVED

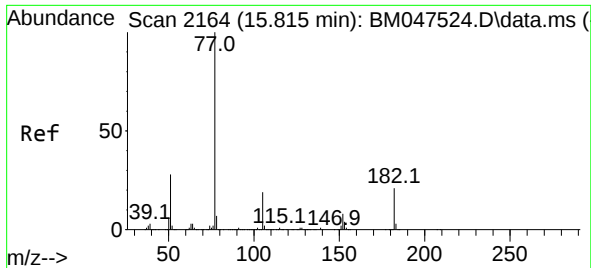
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#62
4-Nitroaniline
Concen: 3.912 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Tgt Ion:138 Resp: 85711
Ion Ratio Lower Upper
138 100
92 57.4 30.0 70.0
108 89.4 61.7 101.7





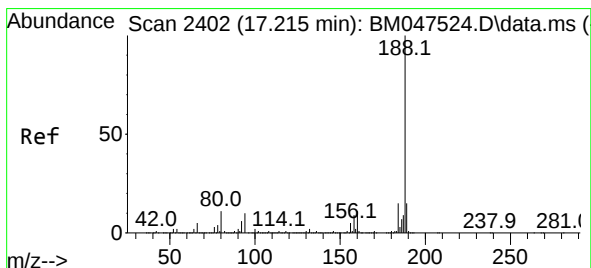
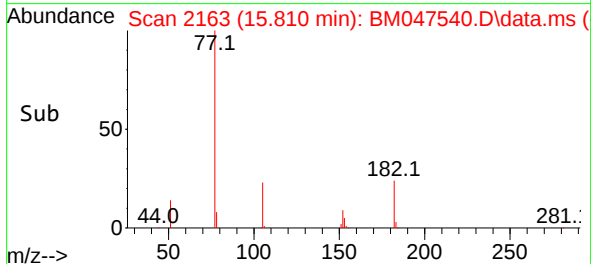
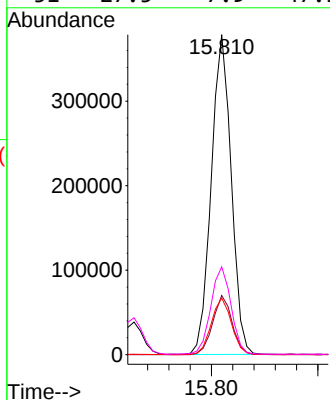
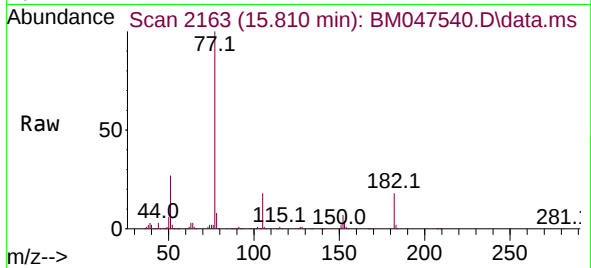
#63
Azobenzene
Concen: 5.273 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 490864
Ion Ratio Lower Upper
77 100
182 18.5 1.2 41.2
105 17.7 0.0 39.4
51 27.5 7.9 47.9

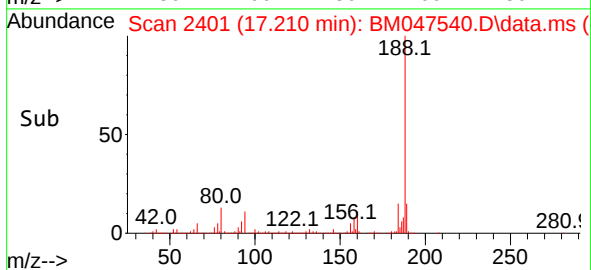
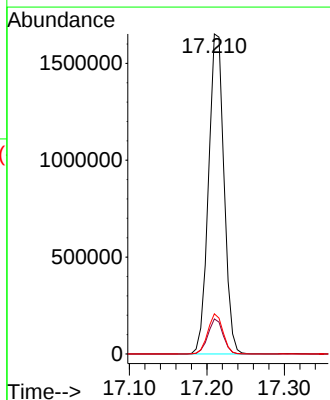
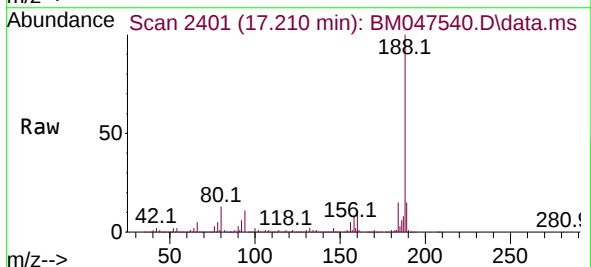
Manual Integrations
APPROVED

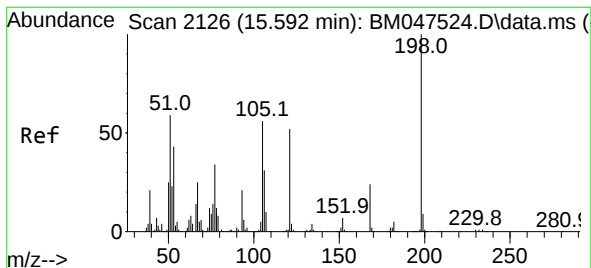
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

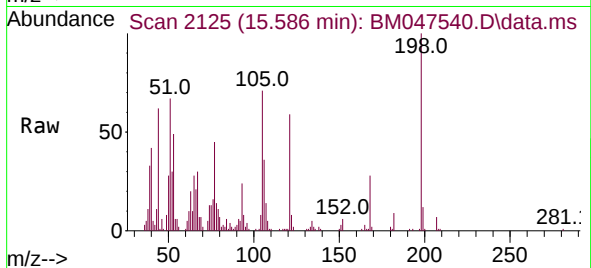
Tgt Ion:188 Resp: 2294694
Ion Ratio Lower Upper
188 100
94 11.0 8.4 12.6
80 12.5 9.1 13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 9.343 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

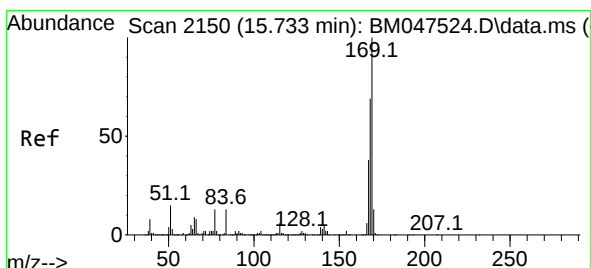
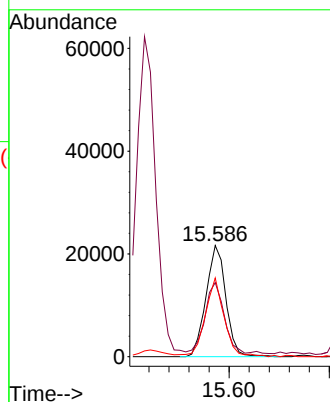
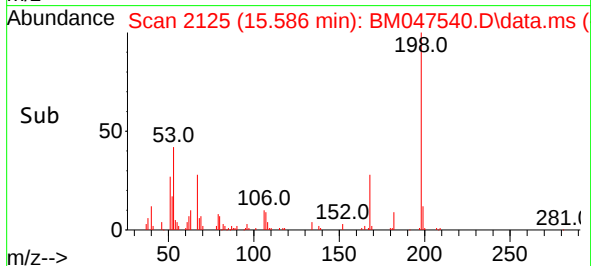
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



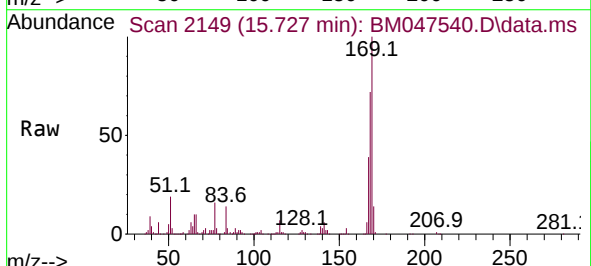
Tgt Ion:198 Resp: 29824
Ion Ratio Lower Upper
198 100
51 66.6 41.5 81.5
105 70.8 36.4 76.4

Manual Integrations
APPROVED

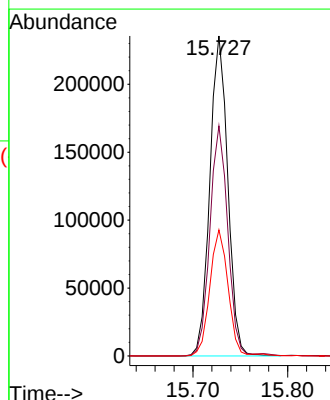
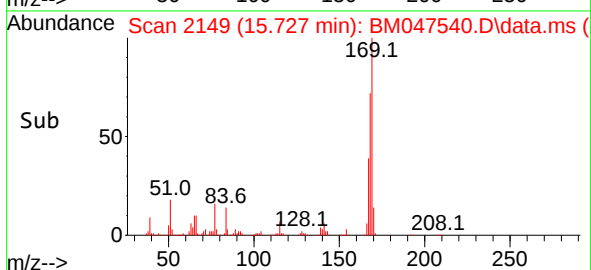
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

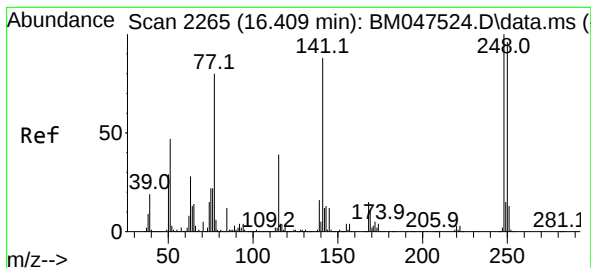


#66
n-Nitrosodiphenylamine
Concen: 4.401 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40



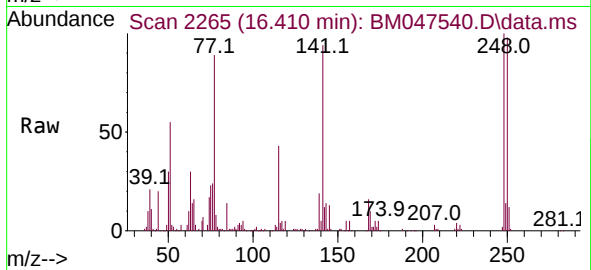
Tgt Ion:169 Resp: 308960
Ion Ratio Lower Upper
169 100
168 71.9 55.3 82.9
167 39.4 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 4.230 ng
RT: 16.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

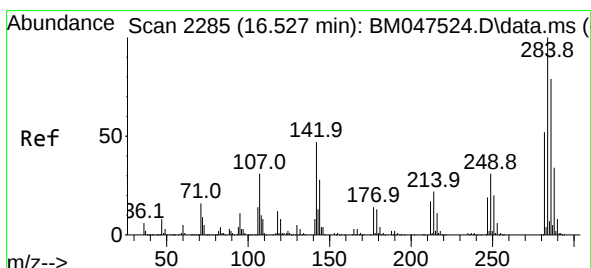
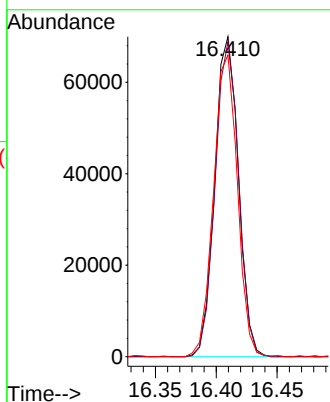
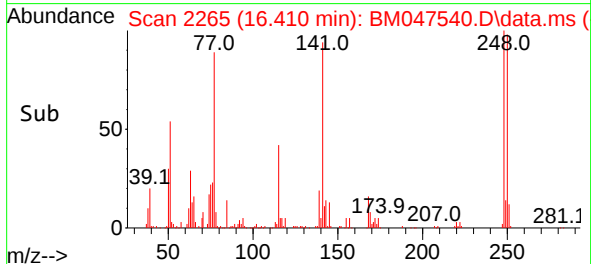
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



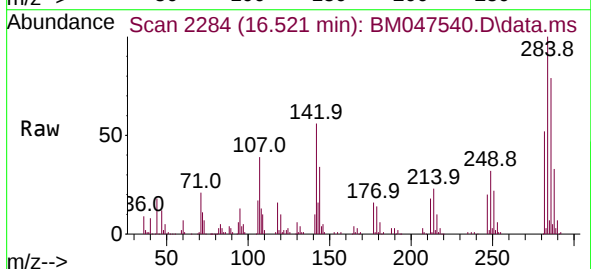
Tgt Ion:248 Resp: 9431
Ion Ratio Lower Upper
248 100
250 98.4 76.9 115.3
141 94.3 70.8 106.2

Manual Integrations
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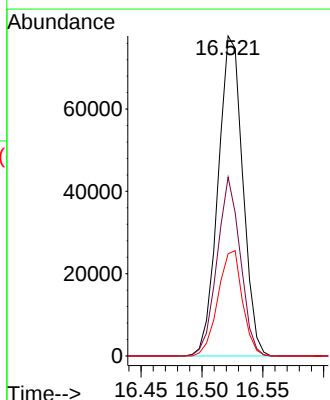
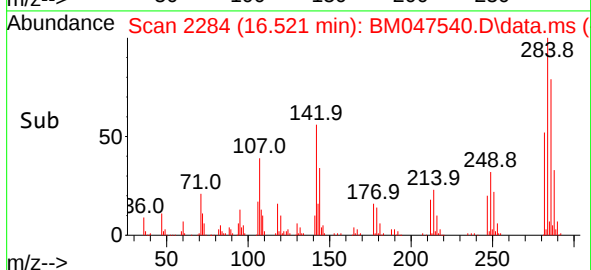
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

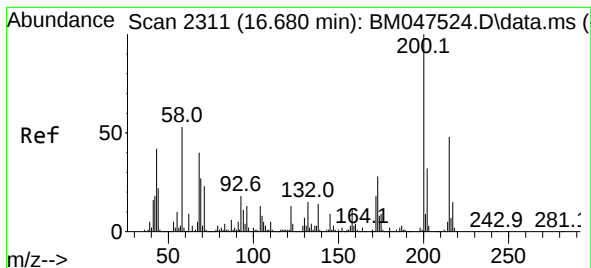


#68
Hexachlorobenzene
Concen: 4.348 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40



Tgt Ion:284 Resp: 109826
Ion Ratio Lower Upper
284 100
142 55.9 37.3 55.9#
249 31.9 24.5 36.7





#69

Atrazine

Concen: 4.594 ng

RT: 16.674 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

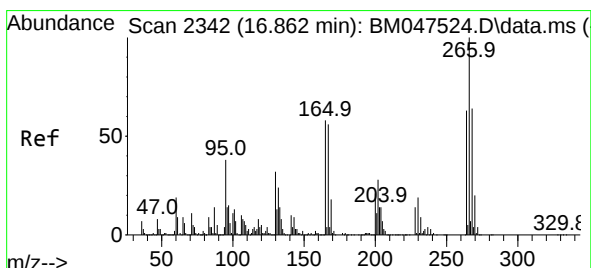
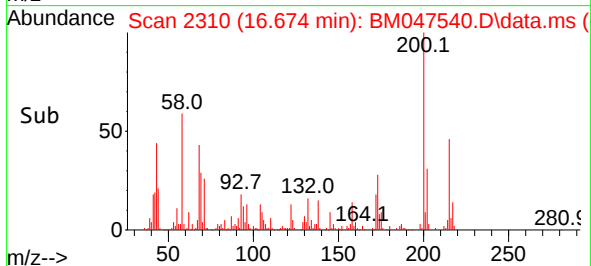
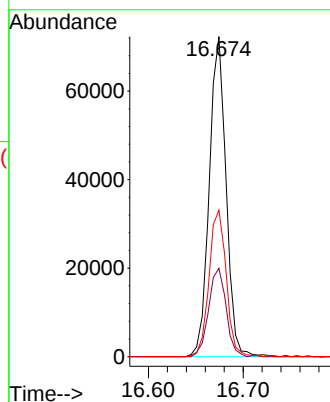
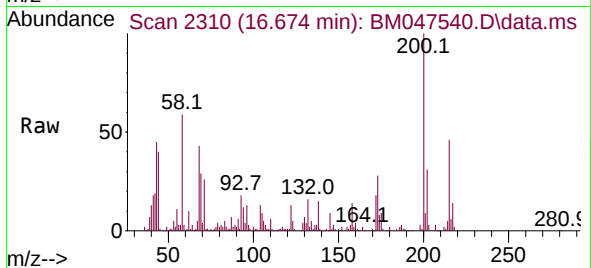
LOQ-SOIL-02-QT2-2024

Tgt Ion:	200	Resp:	89130
Ion Ratio	Lower	Upper	
200	100		
173	27.6	7.7	47.7
215	45.8	27.9	67.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#70

Pentachlorophenol

Concen: 3.395 ng

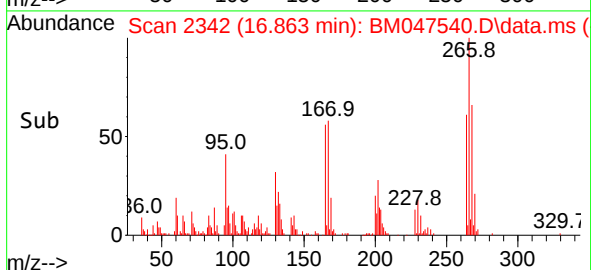
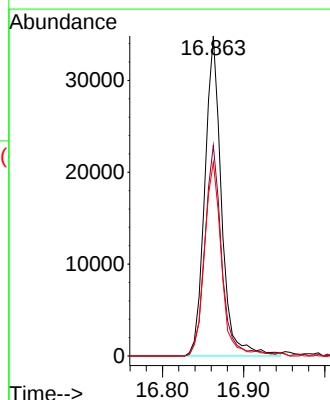
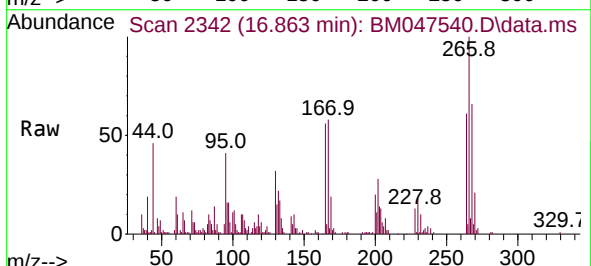
RT: 16.863 min Scan# 2342

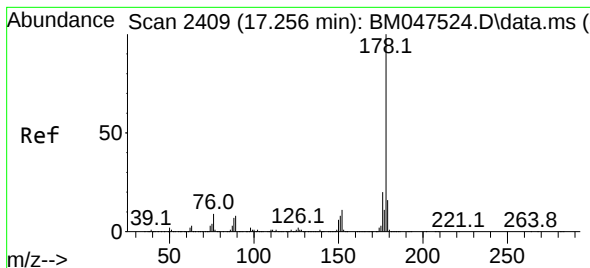
Delta R.T. 0.000 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Tgt Ion:	266	Resp:	49714
Ion Ratio	Lower	Upper	
266	100		
268	65.8	51.0	76.4
264	60.6	50.4	75.6





#71

Phenanthrene

Concen: 4.656 ng

RT: 17.251 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:178 Resp: 58876

Ion Ratio Lower Upper

178 100

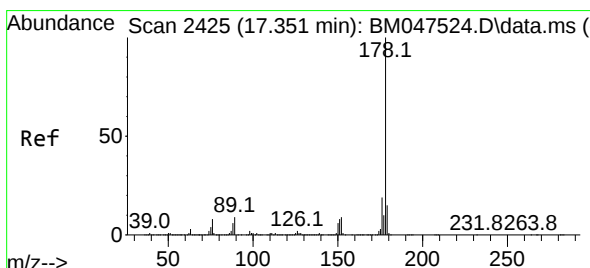
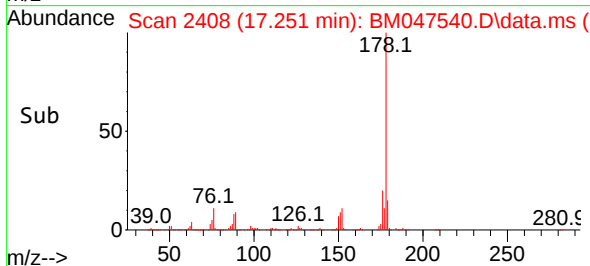
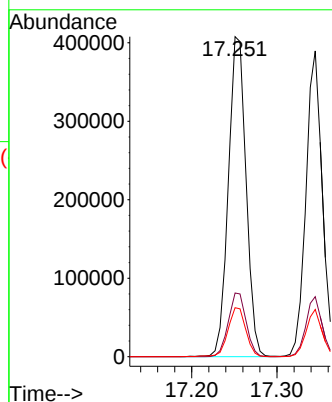
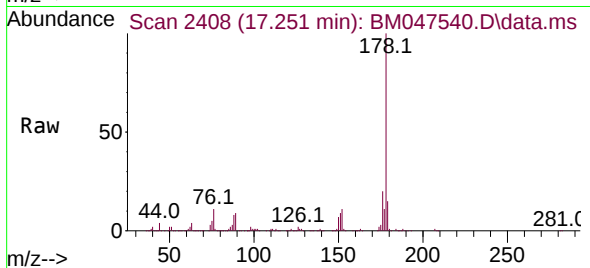
176 19.9 16.0 24.0

179 15.3 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#72

Anthracene

Concen: 4.296 ng

RT: 17.345 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

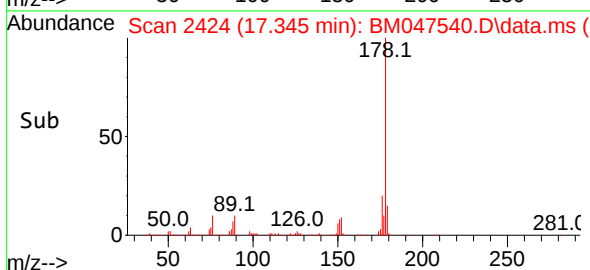
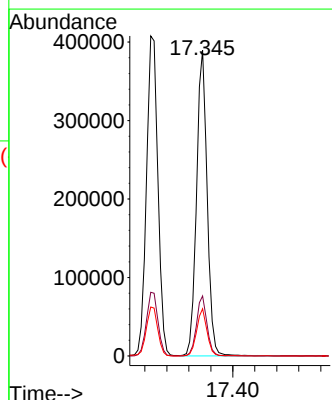
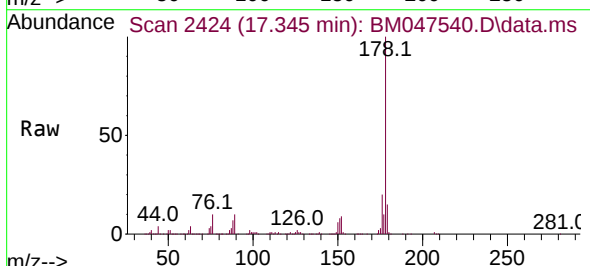
Tgt Ion:178 Resp: 521956

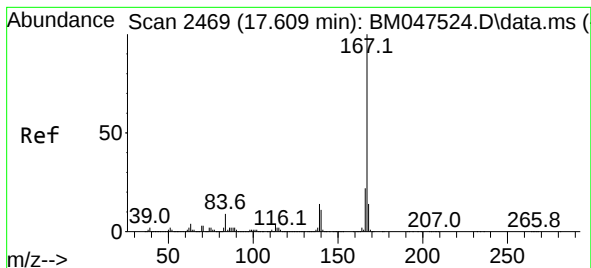
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.4 12.3 18.5





#73

Carbazole

Concen: 4.527 ng

RT: 17.610 min Scan# 2469

Delta R.T. 0.000 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

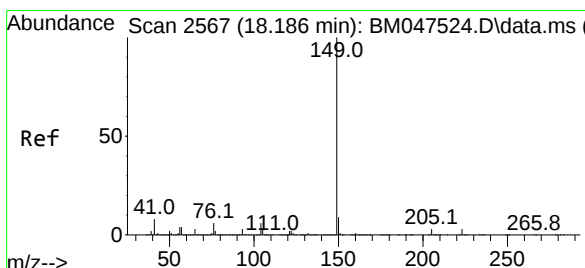
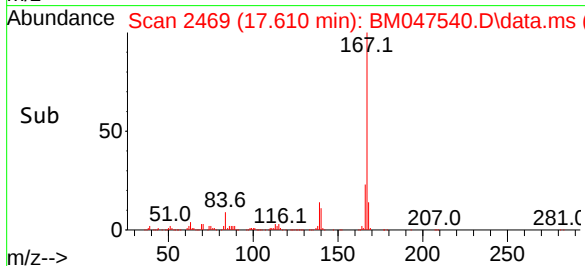
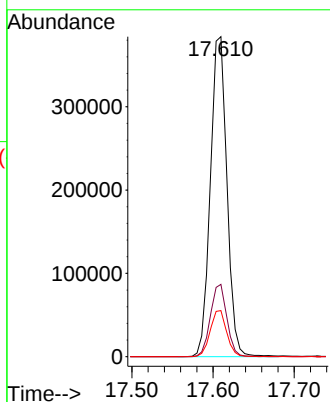
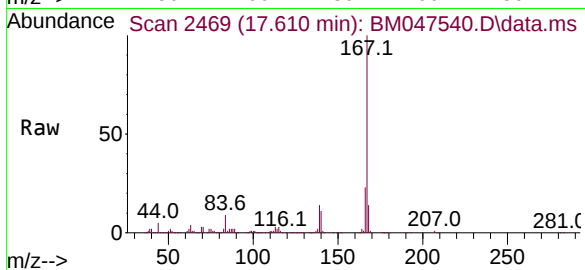
LOQ-SOIL-02-QT2-2024

Tgt Ion:	167	Resp:	545098
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.8	26.8
139	14.4	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#74

Di-n-butylphthalate

Concen: 4.510 ng

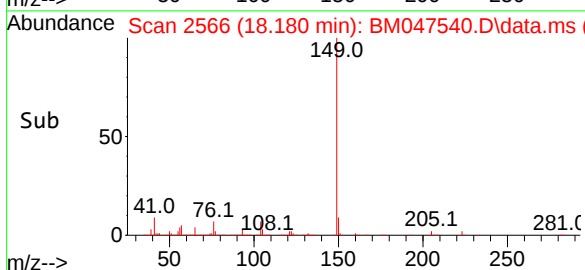
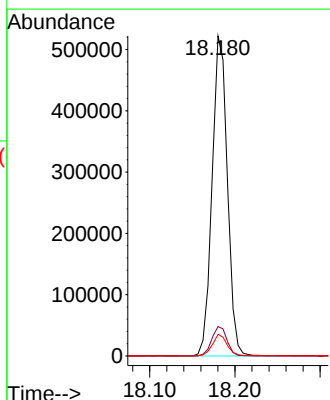
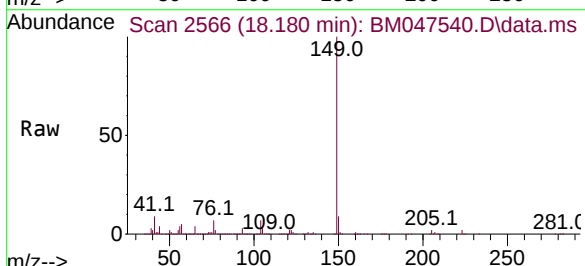
RT: 18.180 min Scan# 2566

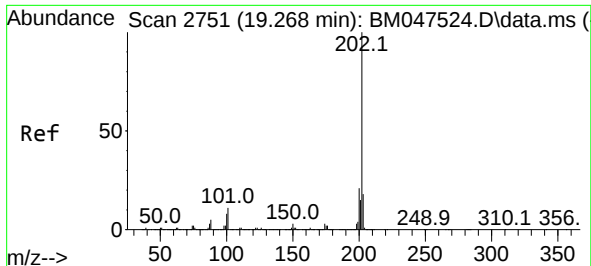
Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

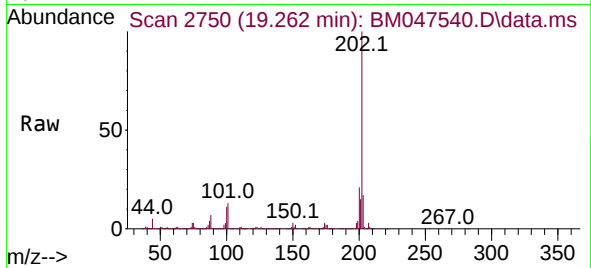
Tgt Ion:	149	Resp:	649673
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.4	11.2
104	6.7	4.6	6.8





#75
Fluoranthene
Concen: 4.269 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

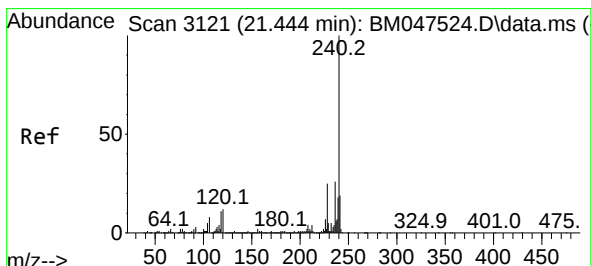
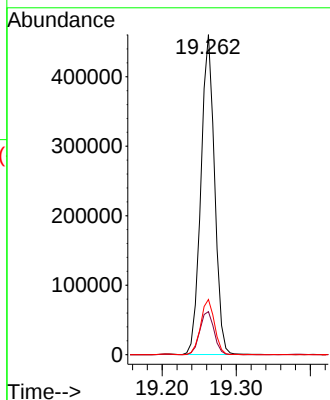
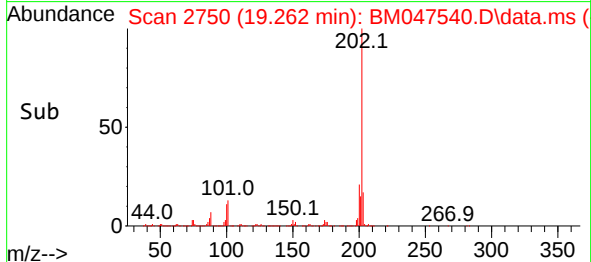
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:202 Resp: 589070
Ion Ratio Lower Upper
202 100
101 13.5 0.0 30.8
203 17.3 0.0 37.7

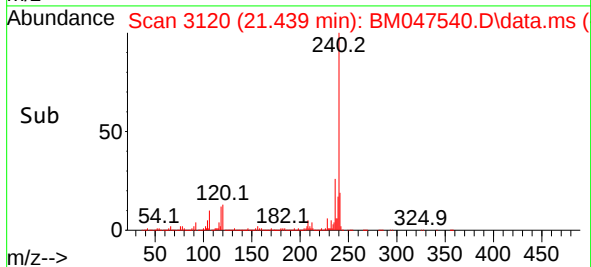
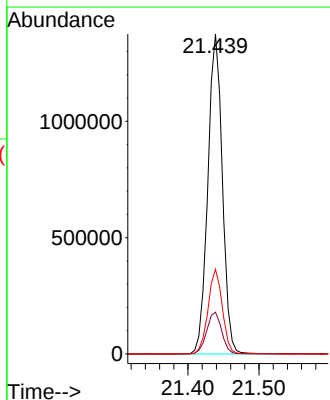
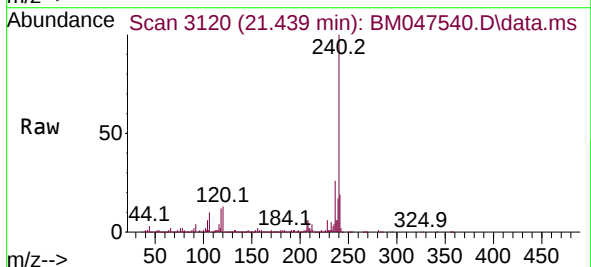
Manual Integrations
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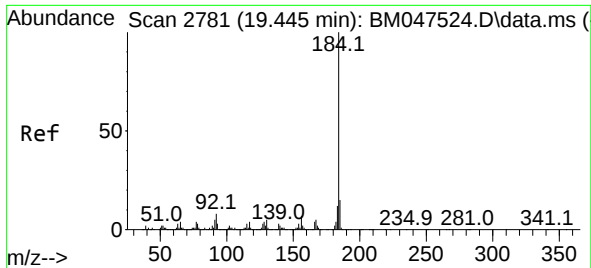
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

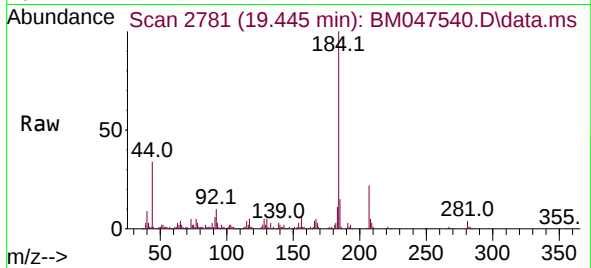
Tgt Ion:240 Resp: 1954749
Ion Ratio Lower Upper
240 100
120 13.1 9.6 14.4
236 26.5 20.9 31.3





#77
Benzidine
Concen: 3.814 ng
RT: 19.445 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

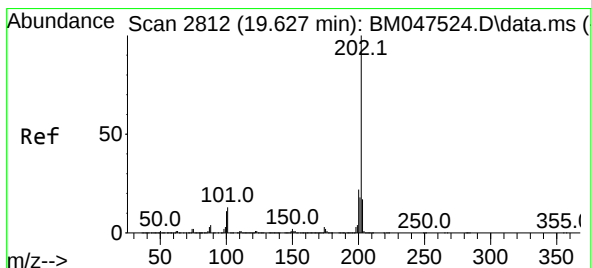
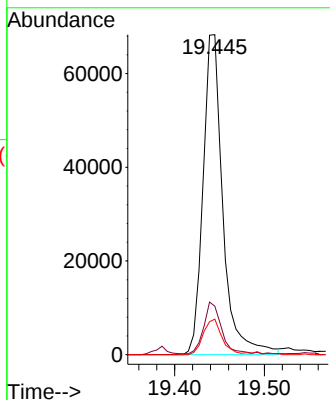
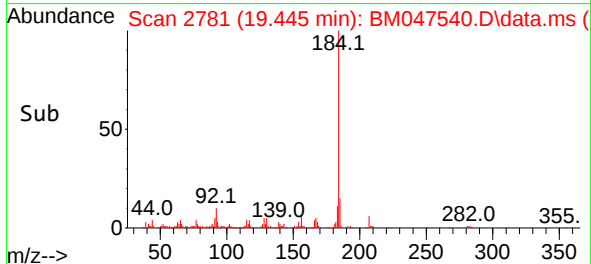
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



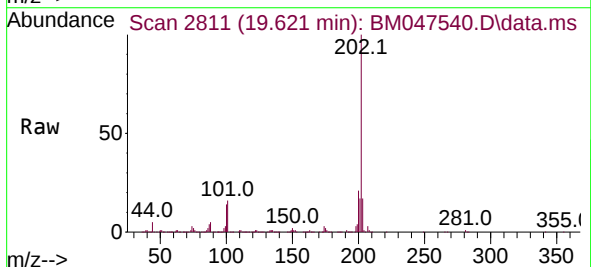
Tgt Ion:184 Resp: 104990
Ion Ratio Lower Upper
184 100
185 15.2 12.2 18.2
183 11.1 9.6 14.4

Manual Integrations
APPROVED

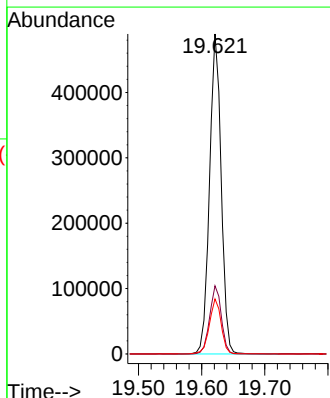
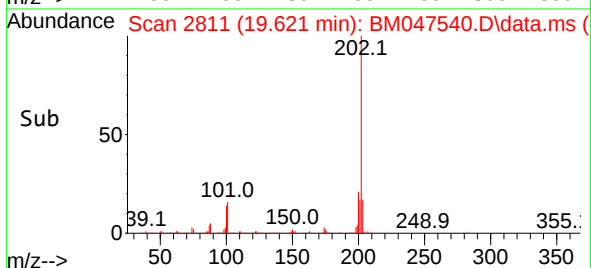
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

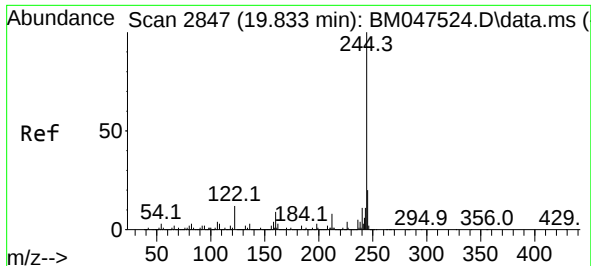


#78
Pyrene
Concen: 4.375 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40



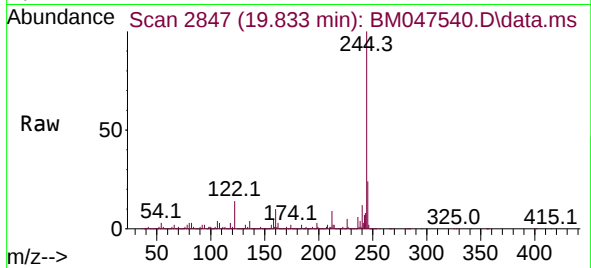
Tgt Ion:202 Resp: 623772
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.2 14.0 21.0





#79
 Terphenyl-d14
 Concen: 89.348 ng
 RT: 19.833 min Scan# 2847
 Delta R.T. 0.000 min
 Lab File: BM047540.D
 Acq: 17 Sep 2024 11:40

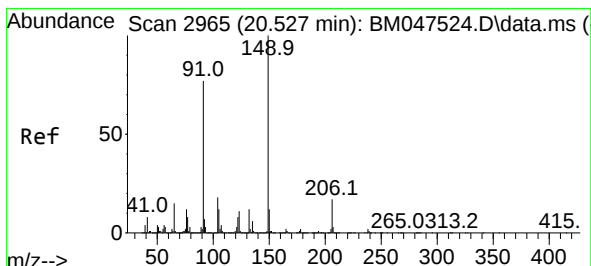
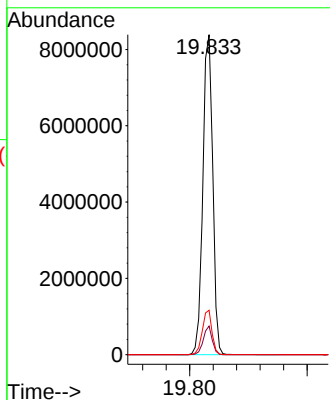
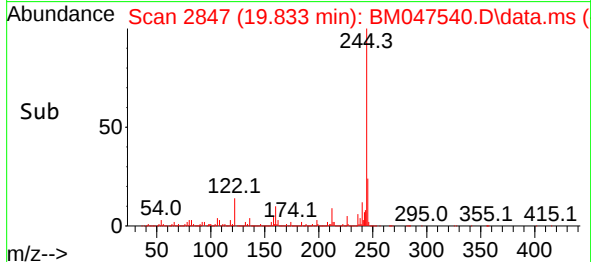
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024



Tgt Ion:244 Resp: 974662
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.2 9.2
 122 13.9 9.6 14.4

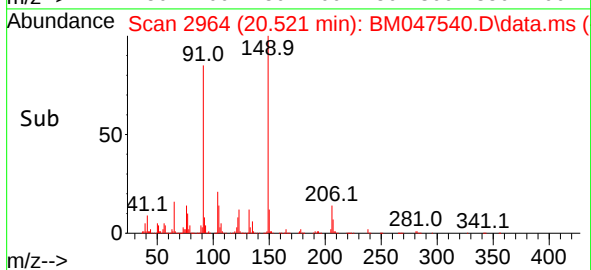
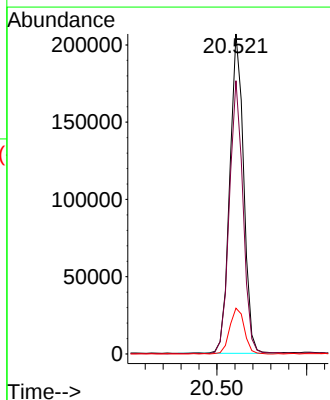
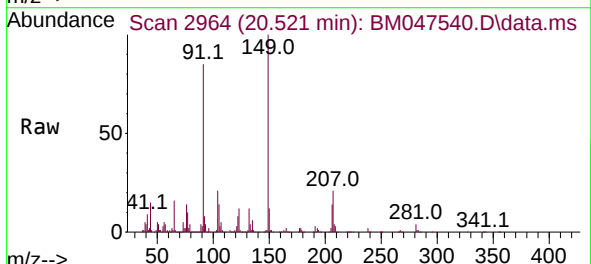
Manual Integrations
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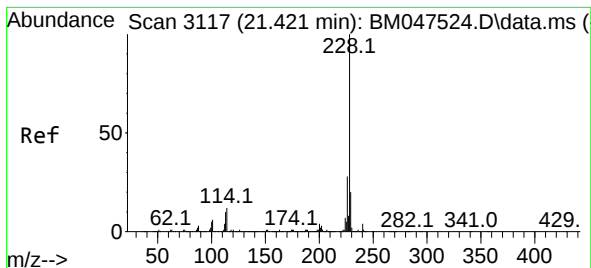
Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024



#80
 Butylbenzylphthalate
 Concen: 4.043 ng
 RT: 20.521 min Scan# 2964
 Delta R.T. -0.006 min
 Lab File: BM047540.D
 Acq: 17 Sep 2024 11:40

Tgt Ion:149 Resp: 221897
 Ion Ratio Lower Upper
 149 100
 91 85.4 62.0 93.0
 206 14.3 13.8 20.8





#81

Benzo(a)anthracene

Concen: 4.899 ng

RT: 21.421 min Scan# 3117

Delta R.T. 0.000 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

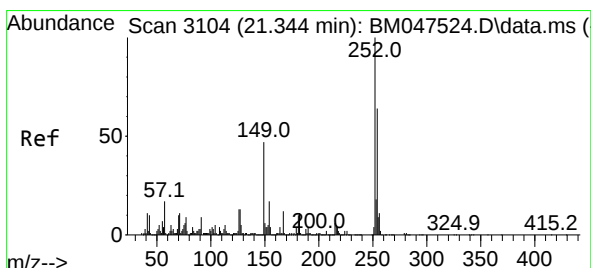
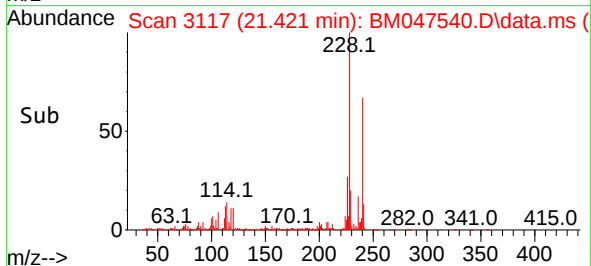
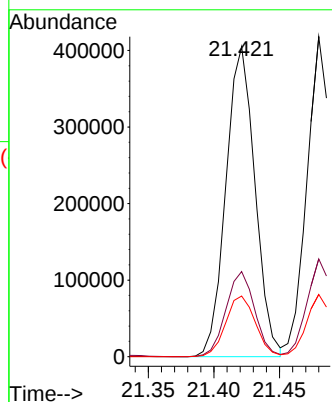
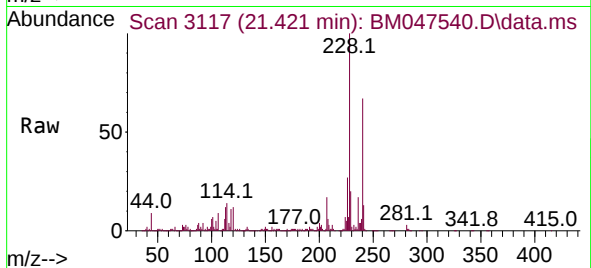
LOQ-SOIL-02-QT2-2024

Tgt Ion:	228	Resp:	624210
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.4	33.6
229	19.5	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#82

3,3'-Dichlorobenzidine

Concen: 4.386 ng

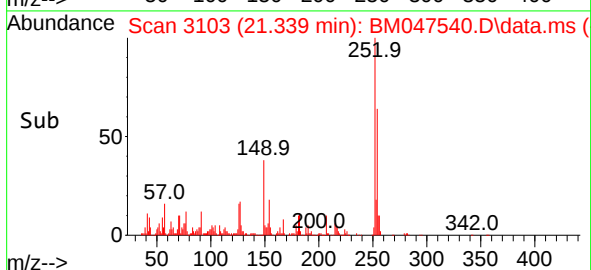
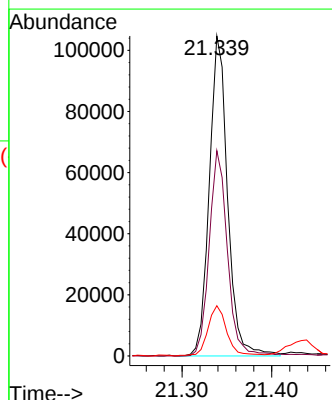
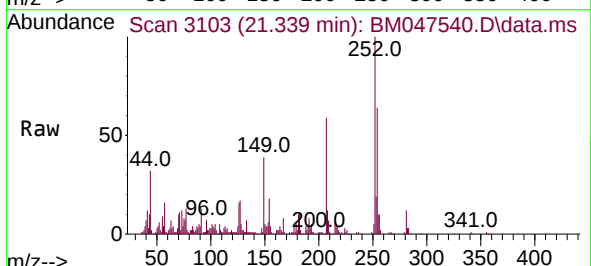
RT: 21.339 min Scan# 3103

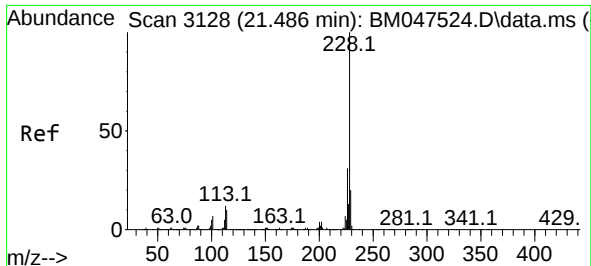
Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

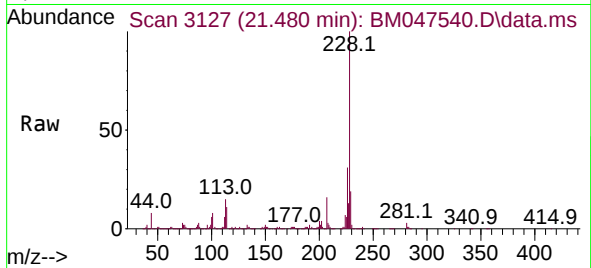
Tgt Ion:	252	Resp:	148641
Ion Ratio	Lower	Upper	
252	100		
254	64.2	51.5	77.3
126	15.7	10.3	15.5





#83
Chrysene
Concen: 4.729 ng
RT: 21.480 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

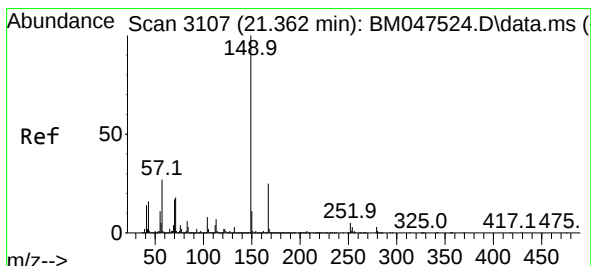
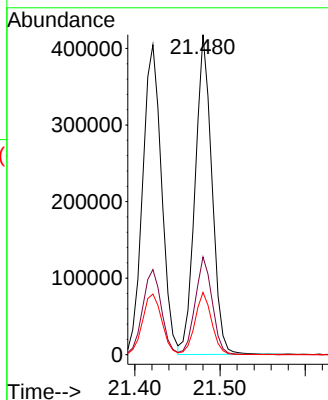
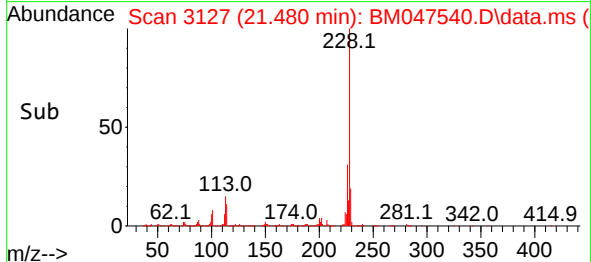
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:228 Resp: 569934
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 19.4 15.9 23.9

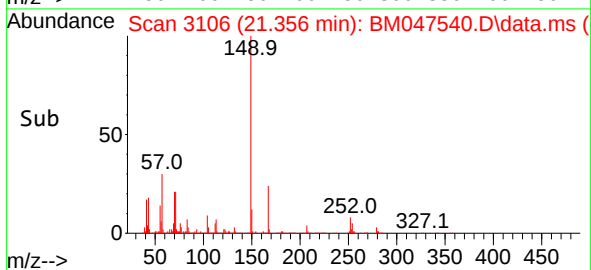
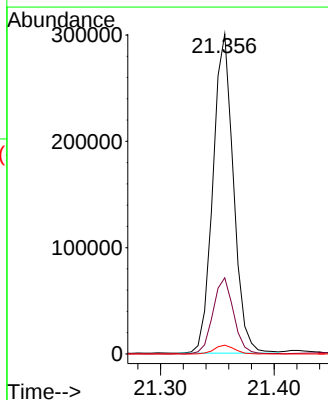
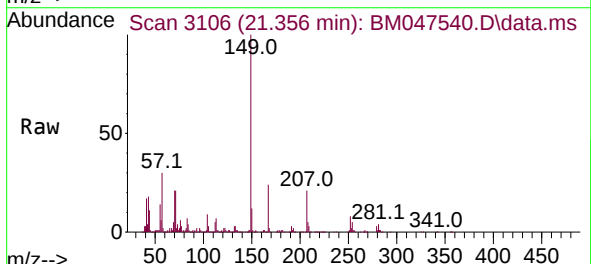
Manual Integrations
APPROVED

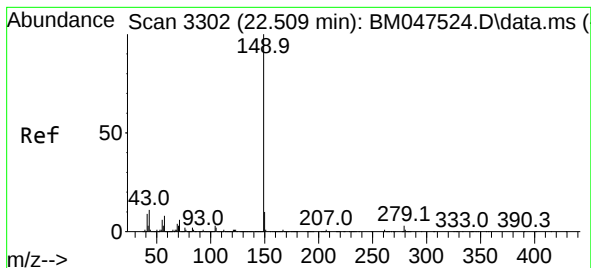
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.379 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Tgt Ion:149 Resp: 376489
Ion Ratio Lower Upper
149 100
167 23.8 20.2 30.4
279 2.8 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 4.304 ng

RT: 22.497 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

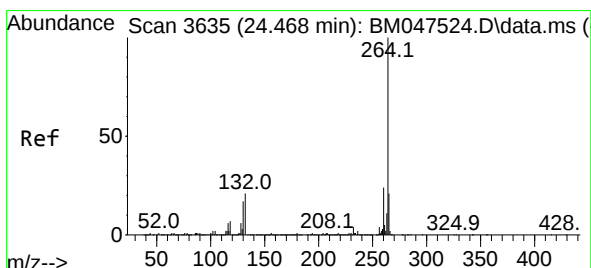
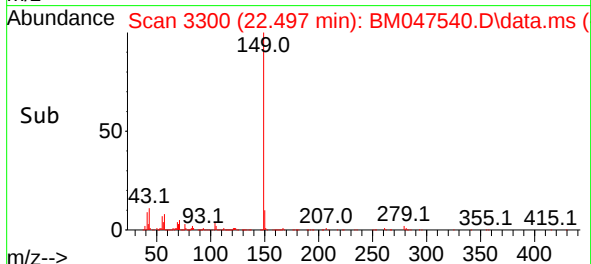
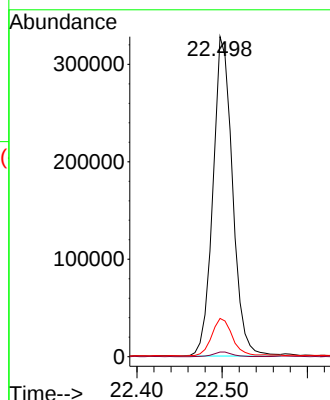
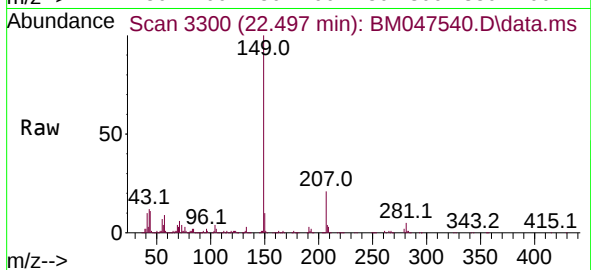
LOQ-SOIL-02-QT2-2024

Tgt Ion:	149	Resp:	52351
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.1	1.7
43	12.5	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#86

Perylene-d12

Concen: 20.000 ng

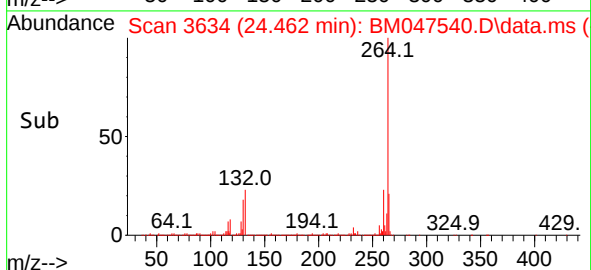
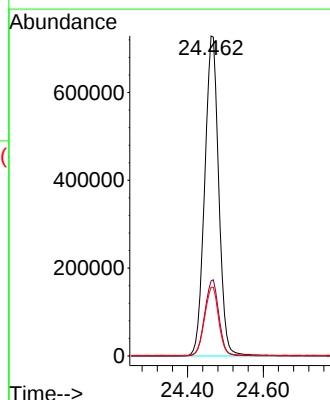
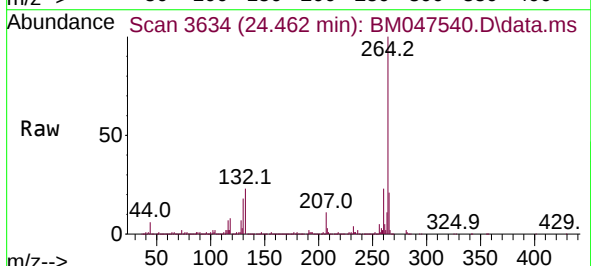
RT: 24.462 min Scan# 3634

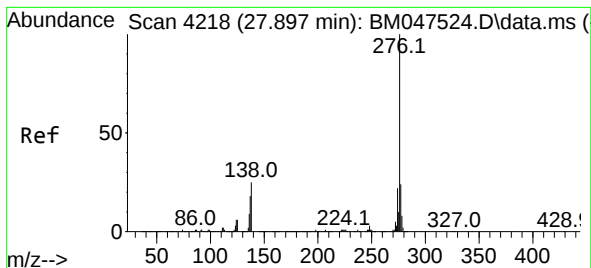
Delta R.T. -0.006 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Tgt Ion:	264	Resp:	1869039
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.9	28.3
265	21.5	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.200 ng

RT: 27.868 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

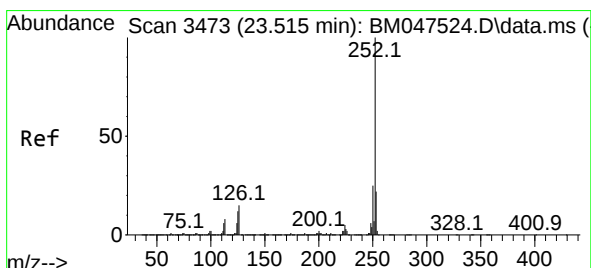
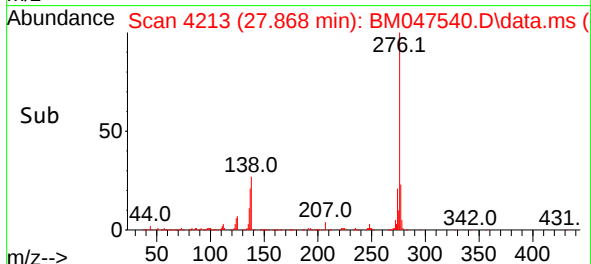
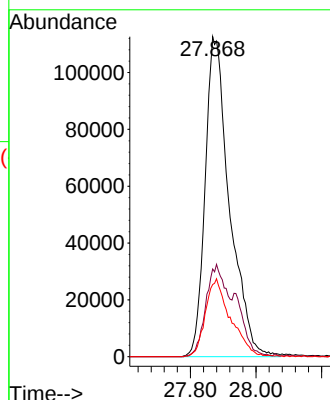
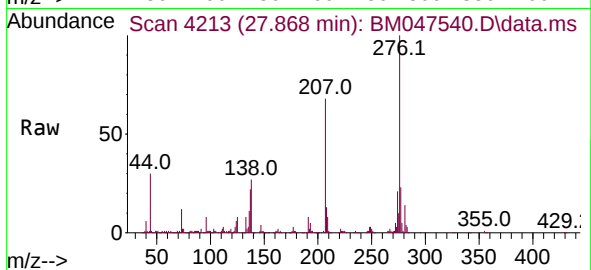
LOQ-SOIL-02-QT2-2024

Tgt Ion:	276	Resp:	58161
Ion Ratio	Lower	Upper	
276	100		
138	25.3	25.0	37.6
277	25.1	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#88

Benzo(b)fluoranthene

Concen: 4.455 ng

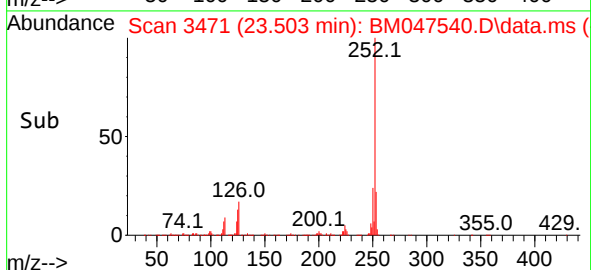
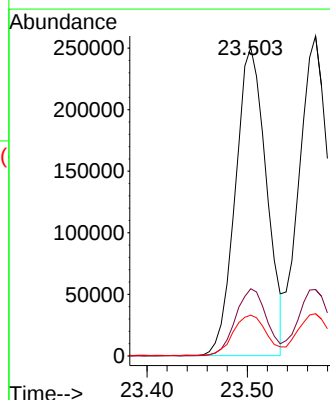
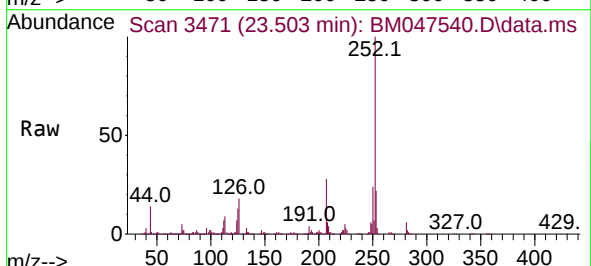
RT: 23.503 min Scan# 3471

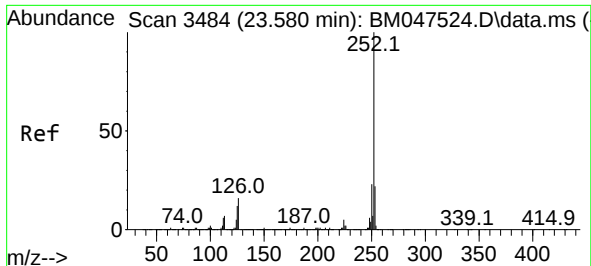
Delta R.T. -0.012 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

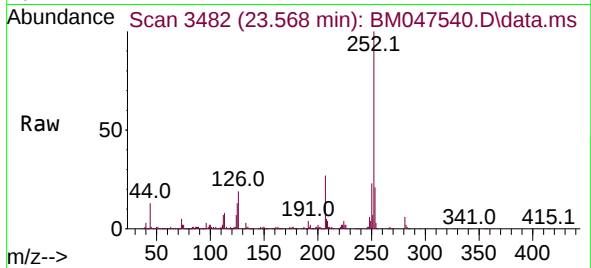
Tgt Ion:	252	Resp:	538780
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.8	26.8
125	13.2	9.5	14.3





#89
Benzo(k)fluoranthene
Concen: 4.633 ng
RT: 23.568 min Scan# 3484
Delta R.T. -0.012 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

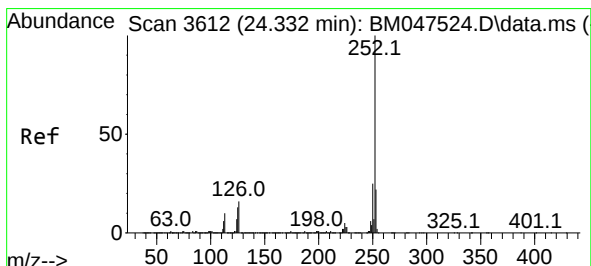
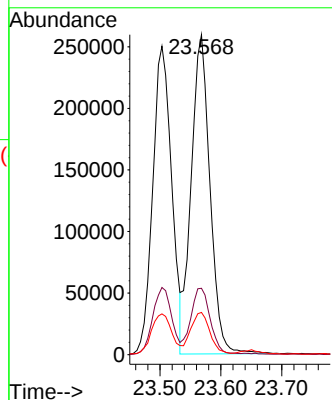
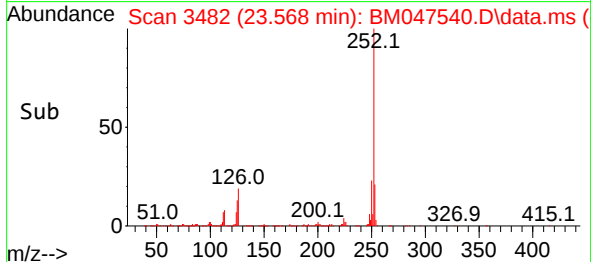
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:252 Resp: 555291
Ion Ratio Lower Upper
252 100
253 20.8 17.8 26.6
125 13.2 9.5 14.3

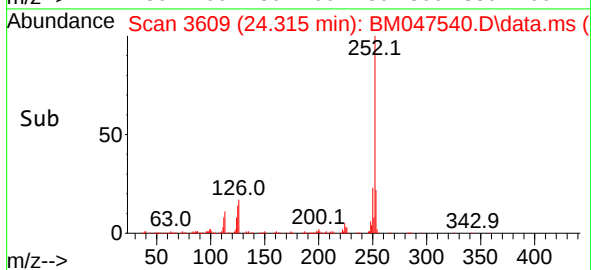
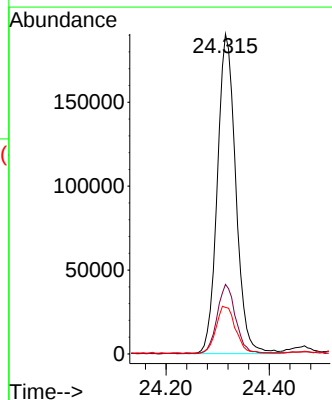
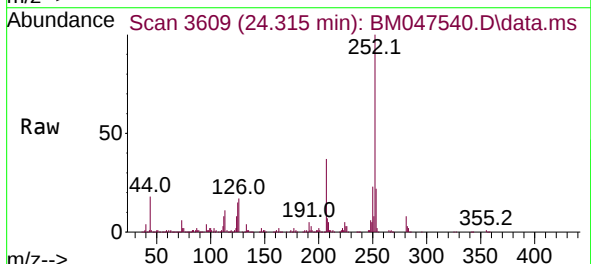
Manual Integrations
APPROVED

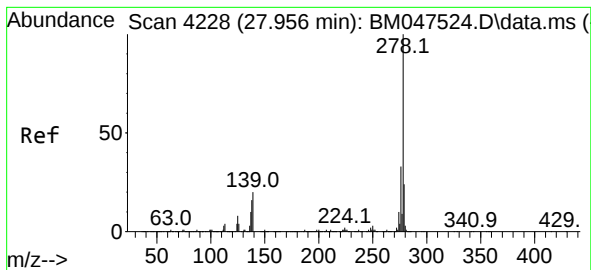
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#90
Benzo(a)pyrene
Concen: 4.763 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.017 min
Lab File: BM047540.D
Acq: 17 Sep 2024 11:40

Tgt Ion:252 Resp: 472091
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 14.6 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 5.040 ng

RT: 27.944 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:278 Resp: 47434

Ion Ratio Lower Upper

278 100

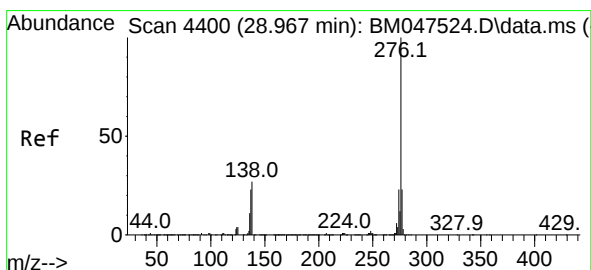
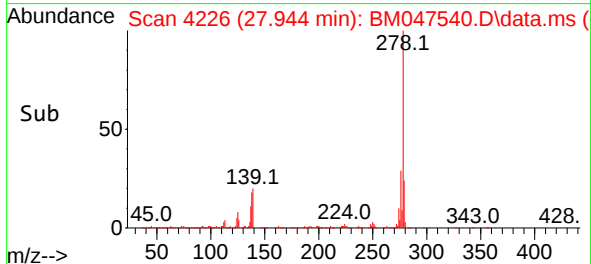
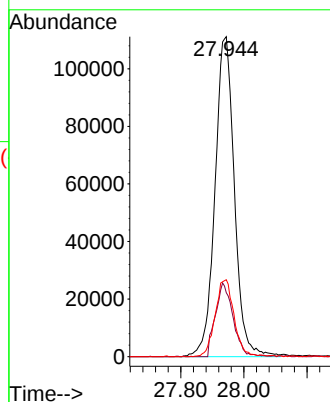
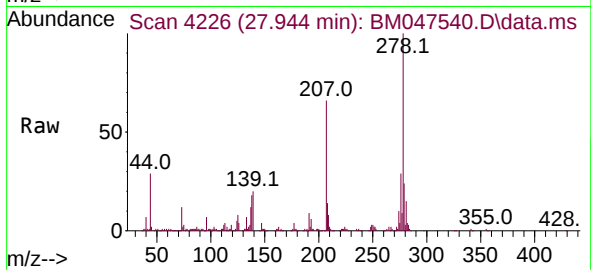
139 20.0 15.9 23.9

279 24.1 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#92

Benzo(g,h,i)perylene

Concen: 5.011 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.035 min

Lab File: BM047540.D

Acq: 17 Sep 2024 11:40

Tgt Ion:276 Resp: 460641

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 28.9 21.5 32.3

