

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091724\
 Data File : BM047546.D
 Acq On : 17 Sep 2024 16:27
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 17 17:32:07 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	7.845	152	410655	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1756932	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	1013774	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	1928830	20.000	ng	0.00
76) Chrysene-d12	21.433	240	1514587	20.000	ng	-0.01
86) Perylene-d12	24.462	264	1411706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3281586	127.236	ng	0.00
7) Phenol-d6	7.010	99	4501942	123.947	ng	0.00
23) Nitrobenzene-d5	8.998	82	3141265	89.479	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1306540	133.334	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	6471081	87.929	ng	0.00
79) Terphenyl-d14	19.827	244	8026979	94.969	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	48408	4.382	ng	98
3) Pyridine	3.722	79	119302	3.628	ng	97
4) n-Nitrosodimethylamine	3.628	42	61464	4.120	ng	# 90
6) Aniline	7.169	93	143732	4.464	ng	98
8) 2-Chlorophenol	7.410	128	108677	3.822	ng	97
9) Benzaldehyde	6.981	77	118827m	6.880	ng	
10) Phenol	7.034	94	139900	3.847	ng	97
11) bis(2-Chloroethyl)ether	7.269	93	116331	3.984	ng	99
12) 1,3-Dichlorobenzene	7.740	146	117011	3.760	ng	98
13) 1,4-Dichlorobenzene	7.881	146	116385	3.672	ng	100
14) 1,2-Dichlorobenzene	8.198	146	113004	3.623	ng	98
15) Benzyl Alcohol	8.081	79	93053	3.782	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.369	45	173838	4.233	ng	98
17) 2-Methylphenol	8.281	107	80032	3.445	ng	99
18) Hexachloroethane	8.934	117	47471	3.749	ng	97
19) n-Nitroso-di-n-propyla...	8.651	70	90039	3.677	ng	98
20) 3+4-Methylphenols	8.610	107	106352	3.281	ng	97
22) Acetophenone	8.663	105	178293	3.860	ng	# 97
24) Nitrobenzene	9.040	77	148948	4.129	ng	96
25) Isophorone	9.569	82	235386	3.814	ng	100
26) 2-Nitrophenol	9.751	139	35910	2.921	ng	93
27) 2,4-Dimethylphenol	9.810	122	81646m	4.381	ng	
28) bis(2-Chloroethoxy)met...	10.051	93	148954	3.842	ng	99
29) 2,4-Dichlorophenol	10.286	162	73311	3.097	ng	95
30) 1,2,4-Trichlorobenzene	10.504	180	93271	3.439	ng	97
31) Naphthalene	10.692	128	339326	3.576	ng	99
32) Benzoic acid	9.863	122	28338	8.027	ng	97
33) 4-Chloroaniline	10.792	127	127643	3.721	ng	98
34) Hexachlorobutadiene	10.986	225	51008	3.396	ng	97
35) Caprolactam	11.545	113	22858	2.931	ng	# 86
36) 4-Chloro-3-methylphenol	11.910	107	86129	3.175	ng	97
37) 2-Methylnaphthalene	12.298	142	214562	3.397	ng	99
38) 1-Methylnaphthalene	12.522	142	198643	3.165	ng	99
40) 1,2,4,5-Tetrachloroben...	12.669	216	91784	3.346	ng	97
41) Hexachlorocyclopentadiene	12.657	237	19465	2.171	ng	94
43) 2,4,6-Trichlorophenol	12.904	196	49796	2.897	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.975	196	56433	2.907	ng	96
46) 1,1'-Biphenyl	13.310	154	292415	3.707	ng	97
47) 2-Chloronaphthalene	13.351	162	209273	3.417	ng	98
48) 2-Nitroaniline	13.545	65	52452	2.916	ng	92
49) Acenaphthylene	14.198	152	321693	3.640	ng	100
50) Dimethylphthalate	13.927	163	242010	3.502	ng	98
51) 2,6-Dinitrotoluene	14.039	165	42510	2.914	ng	87
52) Acenaphthene	14.539	154	199245	3.217	ng	97
53) 3-Nitroaniline	14.369	138	47884	2.953	ng	# 94
54) 2,4-Dinitrophenol	14.569	184	10333	4.500	ng	89
55) Dibenzofuran	14.874	168	303948	3.493	ng	96
56) 4-Nitrophenol	14.669	139	34474	2.584	ng	96
57) 2,4-Dinitrotoluene	14.821	165	50349	2.588	ng	# 86
58) Fluorene	15.521	166	243720	3.111	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	44994	2.973	ng	94
60) Diethylphthalate	15.292	149	249653	3.395	ng	98
61) 4-Chlorophenyl-phenyle...	15.516	204	107196	2.992	ng	93
62) 4-Nitroaniline	15.521	138	46567	2.443	ng	84
63) Azobenzene	15.810	77	296215	3.658	ng	97
65) 4,6-Dinitro-2-methylph...	15.586	198	16540	8.604	ng	85
66) n-Nitrosodiphenylamine	15.727	169	192466	3.262	ng	96
67) 4-Bromophenyl-phenylether	16.410	248	58035	3.097	ng	95
68) Hexachlorobenzene	16.521	284	67880	3.197	ng	96
69) Atrazine	16.668	200	52220	3.202	ng	94
70) Pentachlorophenol	16.863	266	28547	2.319	ng	91
71) Phenanthrene	17.251	178	359925	3.386	ng	100
72) Anthracene	17.345	178	318220	3.116	ng	100
73) Carbazole	17.604	167	322791	3.189	ng	98
74) Di-n-butylphthalate	18.180	149	362060	2.990	ng	99
75) Fluoranthene	19.262	202	340546	2.936	ng	97
77) Benzidine	19.439	184	80542	3.776	ng	98
78) Pyrene	19.621	202	354991	3.213	ng	99
80) Butylbenzylphthalate	20.521	149	118673	2.790	ng	94
81) Benzo(a)anthracene	21.415	228	347869	3.524	ng	99
82) 3,3'-Dichlorobenzidine	21.339	252	83769	3.190	ng	# 96
83) Chrysene	21.480	228	324688	3.477	ng	97
84) Bis(2-ethylhexyl)phtha...	21.350	149	199409	2.993	ng	96
85) Di-n-octyl phthalate	22.497	149	276631	2.935	ng	# 96
87) Indeno(1,2,3-cd)pyrene	27.874	276	291175	3.447	ng	96
88) Benzo(b)fluoranthene	23.503	252	294898	3.229	ng	99
89) Benzo(k)fluoranthene	23.562	252	299139	3.305	ng	98
90) Benzo(a)pyrene	24.315	252	250412	3.345	ng	99
91) Dibenzo(a,h)anthracene	27.927	278	236726	3.330	ng	96
92) Benzo(g,h,i)perylene	28.932	276	220226	3.172	ng	95

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

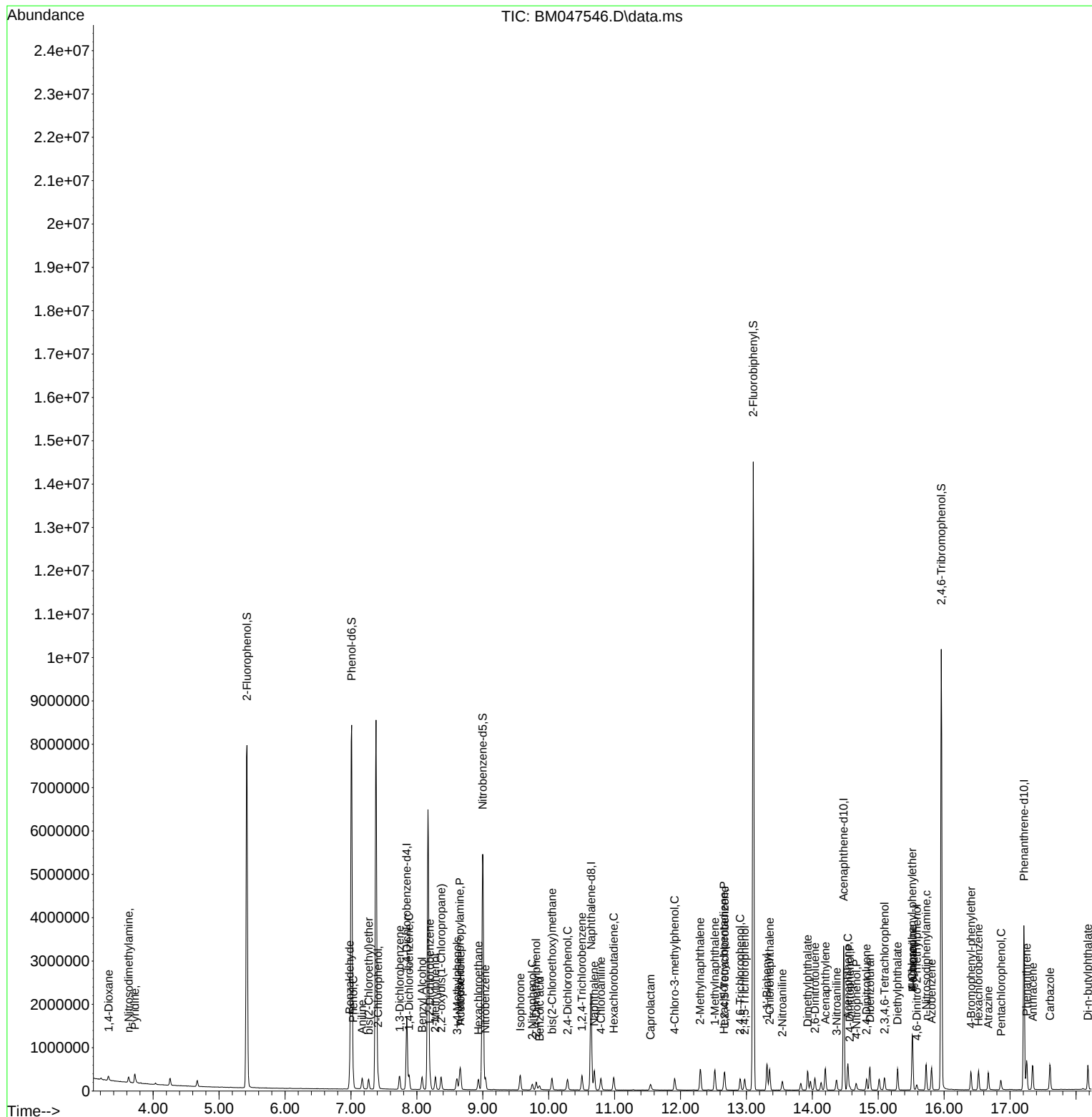
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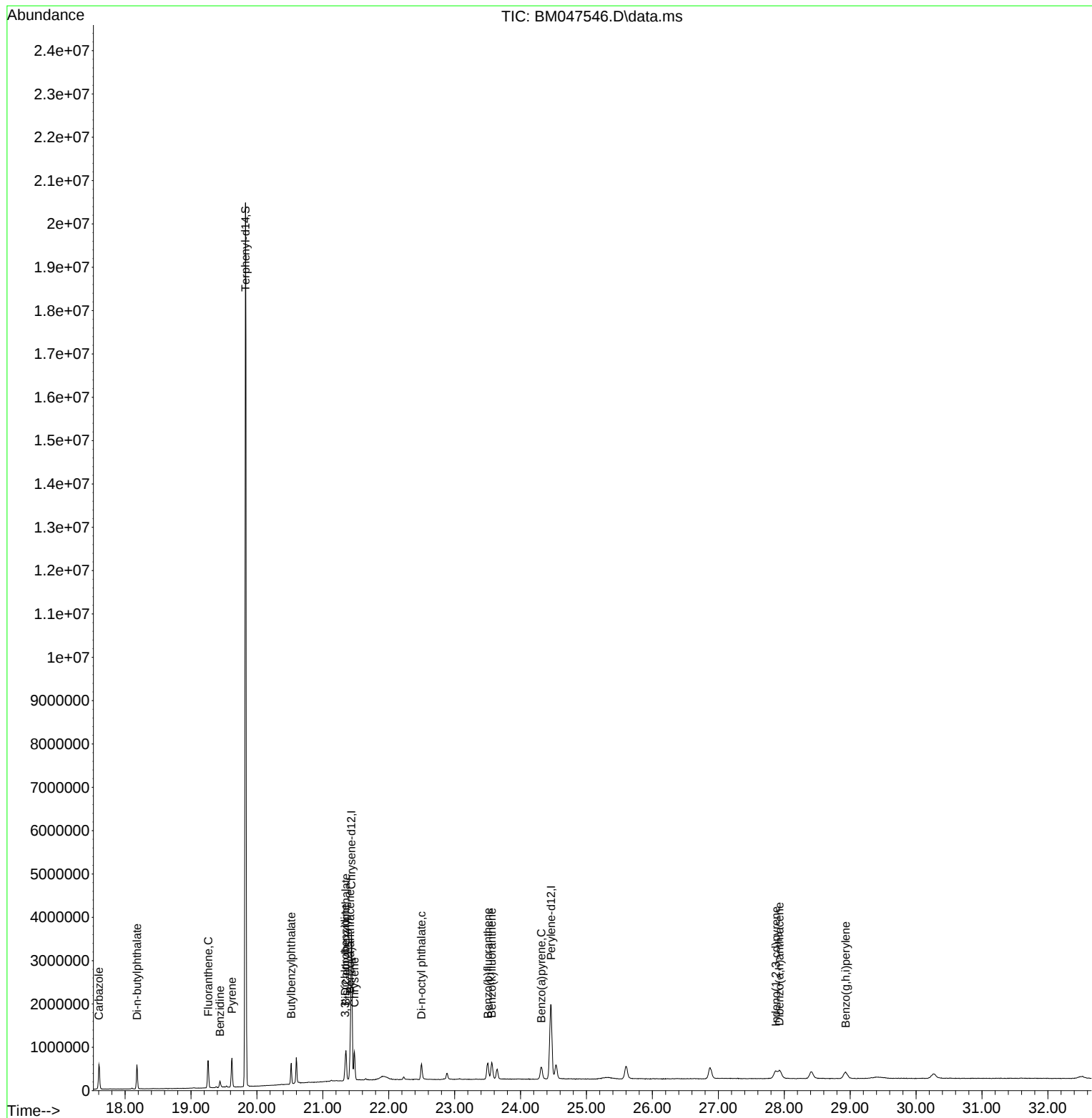
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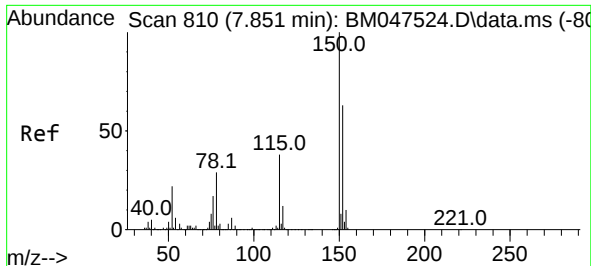
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ClientSampleId :
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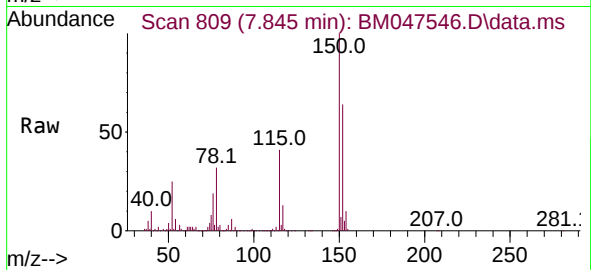
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

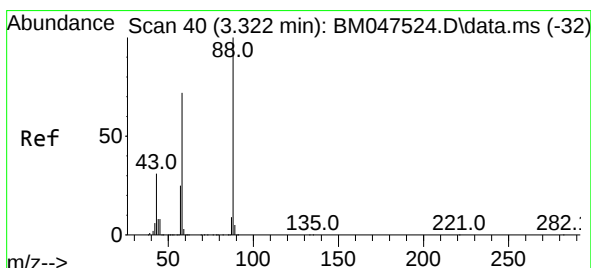
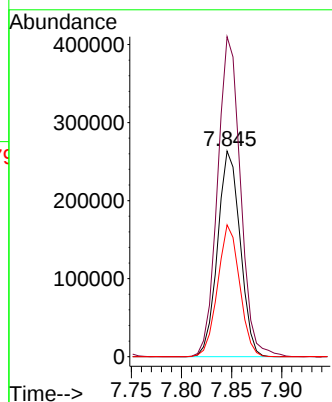
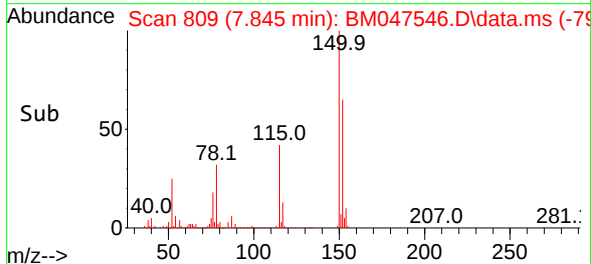
Instrument :
BNA_M
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LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 152 Resp: 41065
Ion Ratio Lower Upper
152 100
150 155.6 126.8 190.2
115 64.1 47.8 71.8

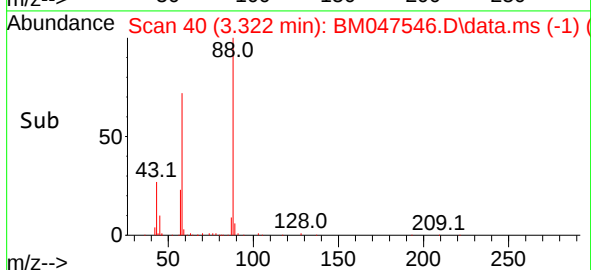
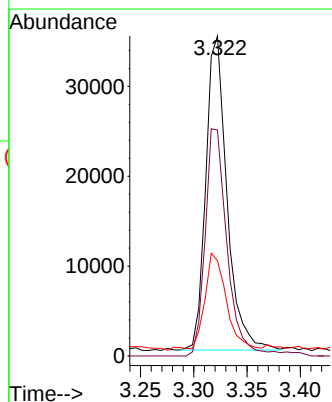
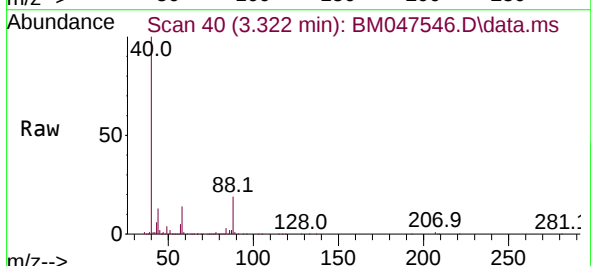
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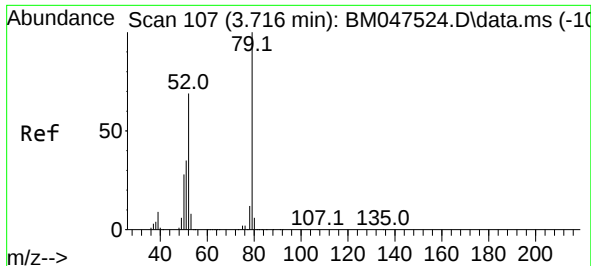
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#2
1,4-Dioxane
Concen: 4.382 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion: 88 Resp: 48408
Ion Ratio Lower Upper
88 100
58 75.8 59.0 88.6
43 32.1 25.0 37.4





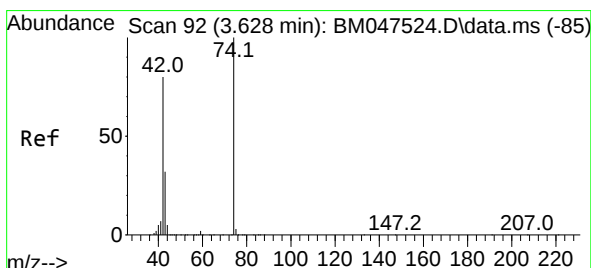
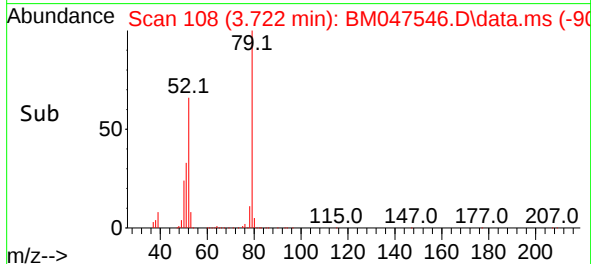
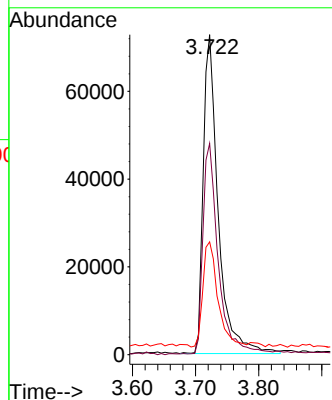
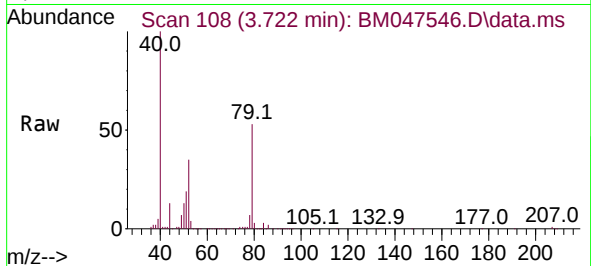
#3
Pyridine
Concen: 3.628 ng
RT: 3.722 min Scan# 107
Delta R.T. 0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 79 Resp: 11930
Ion Ratio Lower Upper
79 100
52 66.0 55.4 83.0
51 35.3 27.9 41.9

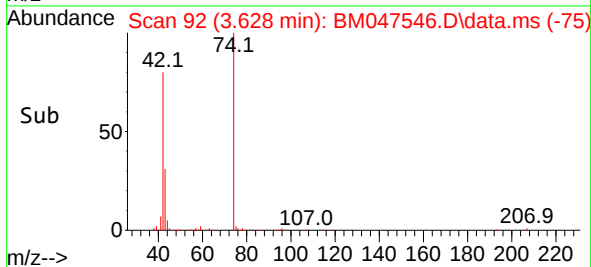
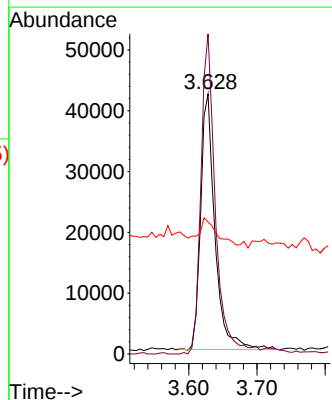
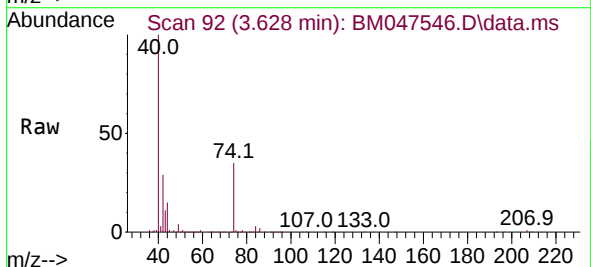
Manual Integrations
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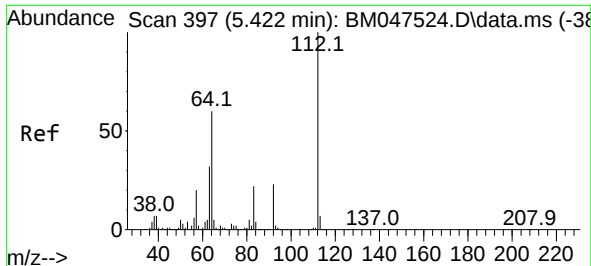
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#4
n-Nitrosodimethylamine
Concen: 4.120 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

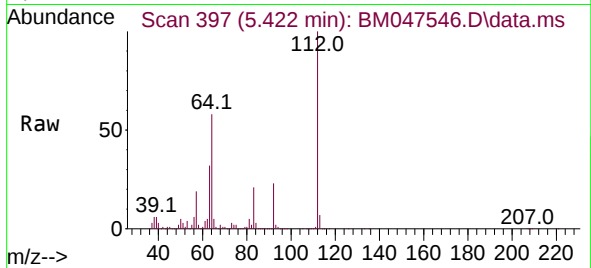
Tgt Ion: 42 Resp: 61464
Ion Ratio Lower Upper
42 100
74 123.1 100.5 150.7
44 50.8 6.9 10.3





#5
2-Fluorophenol
Concen: 127.236 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

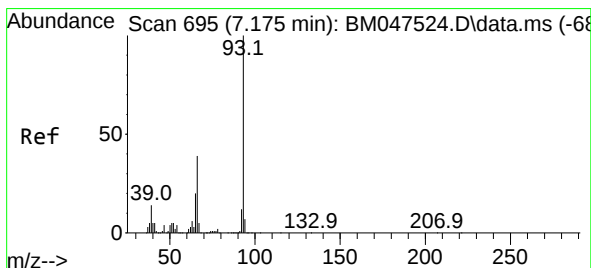
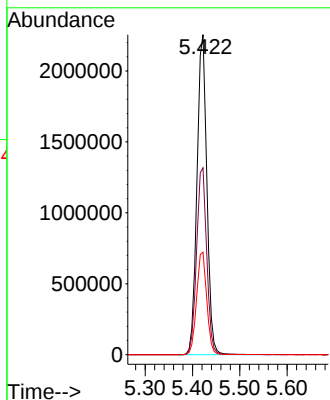
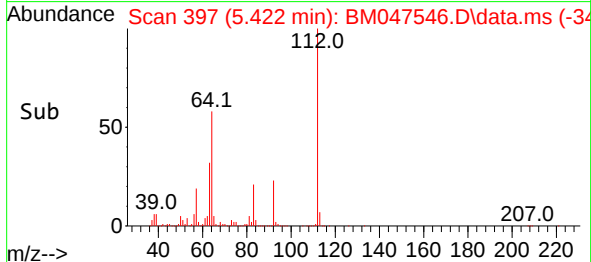
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Tgt Ion:112 Resp: 3281580
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.4
63 32.0 26.0 39.0

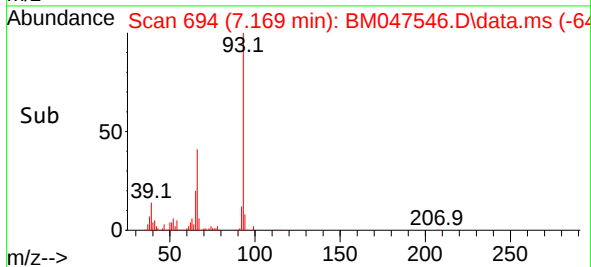
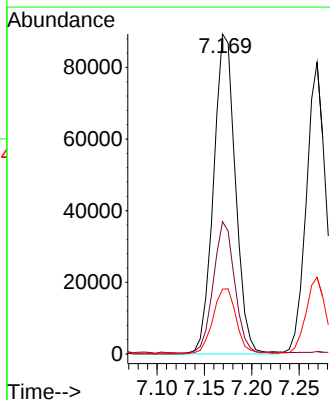
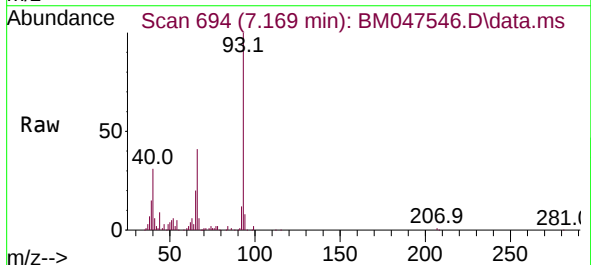
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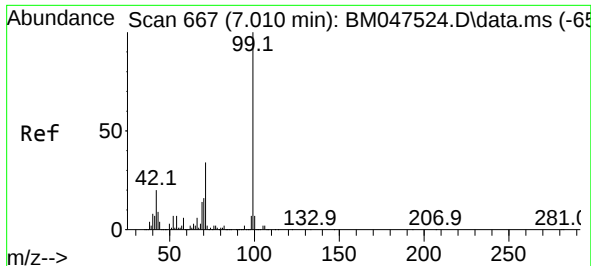
Reviewed By :Jagrut Upadhyay 09/18/2024
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#6
Aniline
Concen: 4.464 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

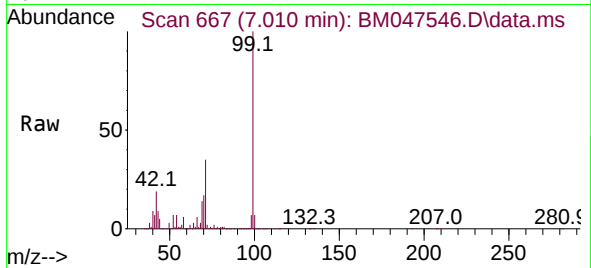
Tgt Ion: 93 Resp: 143732
Ion Ratio Lower Upper
93 100
66 41.4 31.4 47.0
65 20.2 16.3 24.5





#7
Phenol-d6
Concen: 123.947 ng
RT: 7.010 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

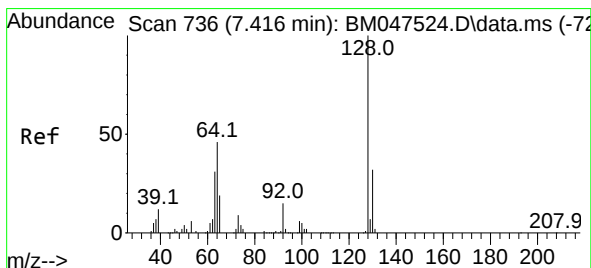
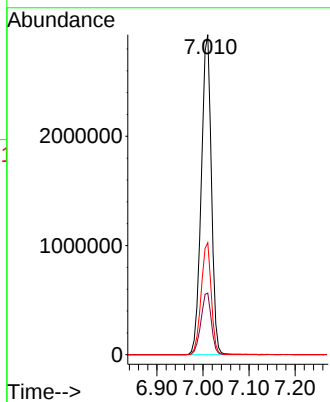
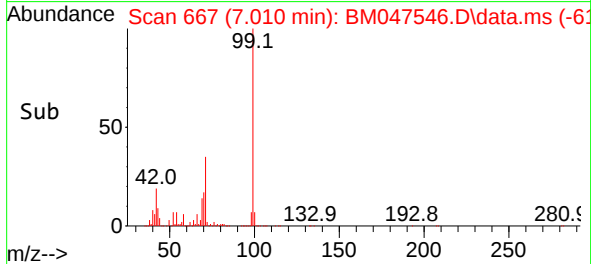
Instrument :
BNA_M
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Tgt Ion: 99 Resp: 450194
Ion Ratio Lower Upper
99 100
42 19.2 15.8 23.8
71 35.0 27.6 41.4

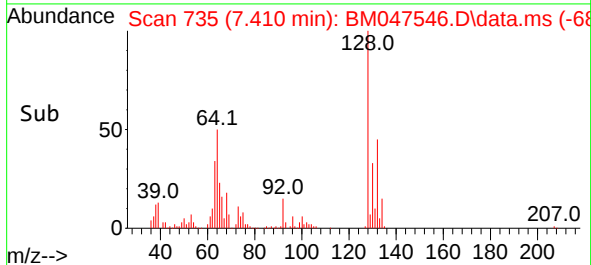
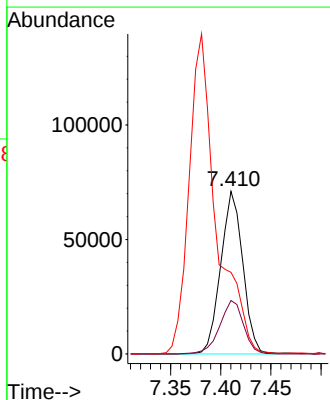
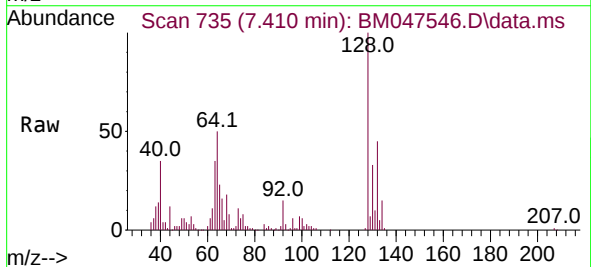
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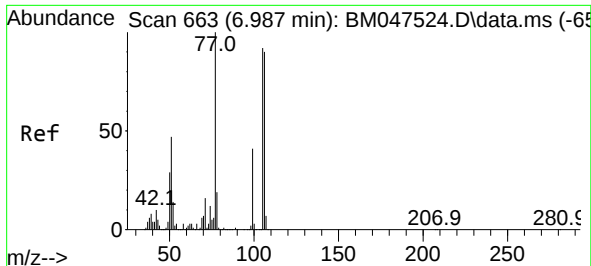
Reviewed By :Jagrut Upadhyay 09/18/2024
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#8
2-Chlorophenol
Concen: 3.822 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047546.D
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Tgt Ion:128 Resp: 108677
Ion Ratio Lower Upper
128 100
130 32.9 11.8 51.8
64 50.2 27.6 67.6





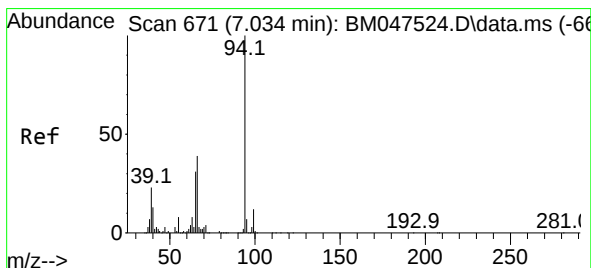
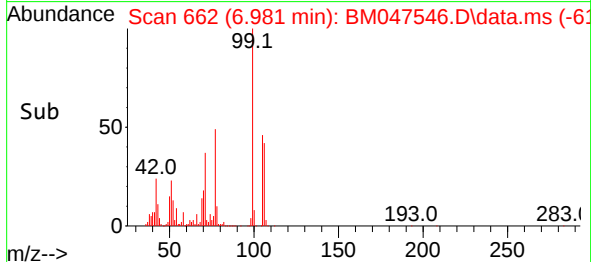
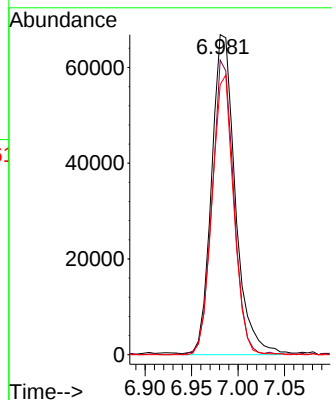
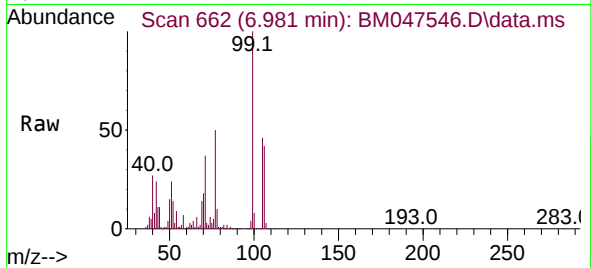
#9
Benzaldehyde
Concen: 6.880 ng m
RT: 6.981 min Scan# 662
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 77 Resp: 11882
Ion Ratio Lower Upper
77 100
105 92.0 71.8 111.8
106 84.4 69.7 109.7

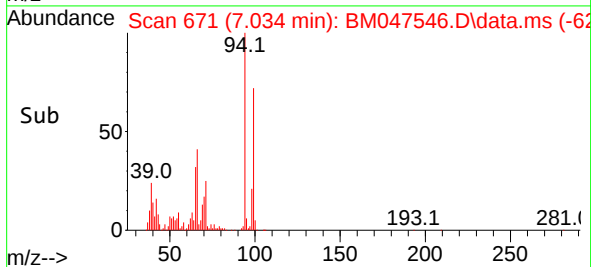
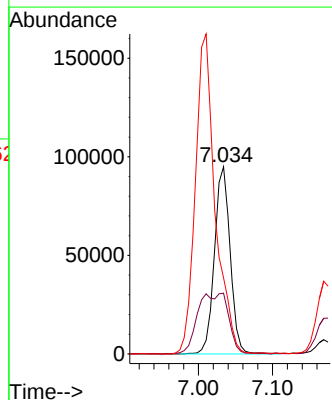
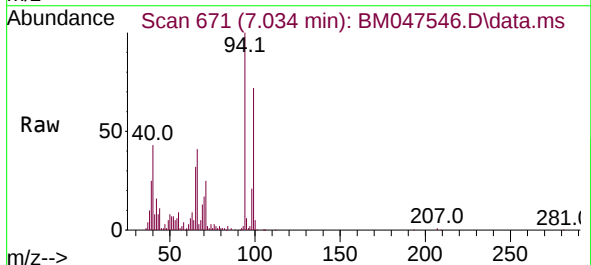
Manual Integrations
APPROVED

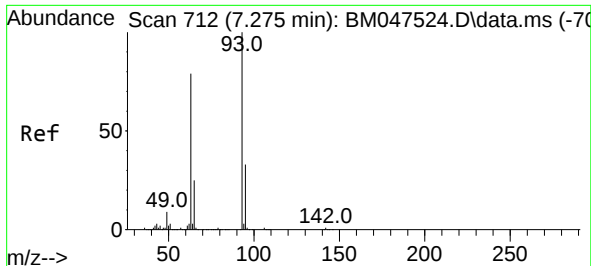
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#10
Phenol
Concen: 3.847 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion: 94 Resp: 139900
Ion Ratio Lower Upper
94 100
65 32.5 10.8 50.8
66 40.7 19.2 59.2





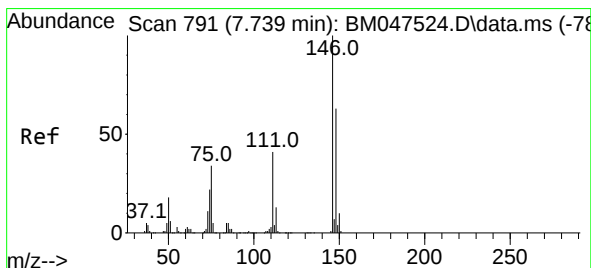
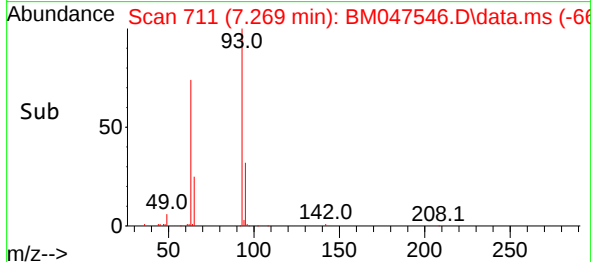
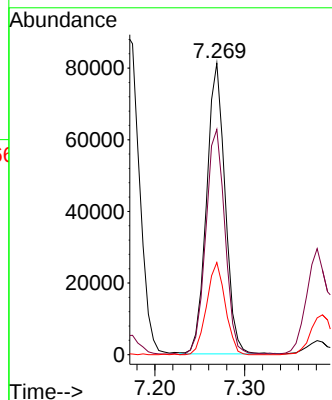
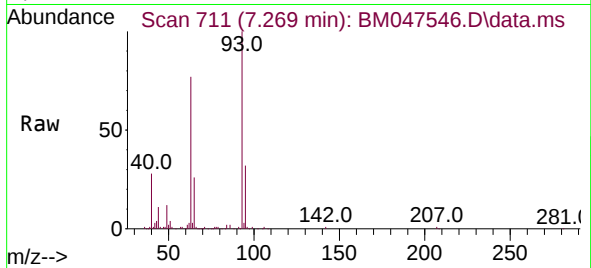
#11
bis(2-Chloroethyl)ether
Concen: 3.984 ng
RT: 7.269 min Scan# 712
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 93 Resp: 11633
Ion Ratio Lower Upper
93 100
63 77.3 58.2 98.2
95 31.6 12.8 52.8

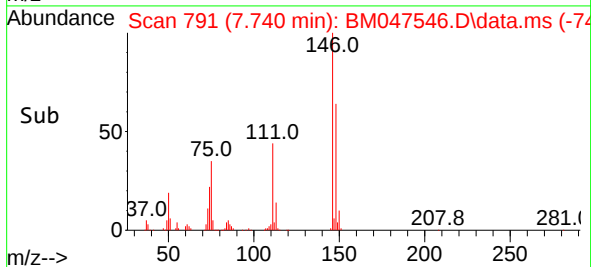
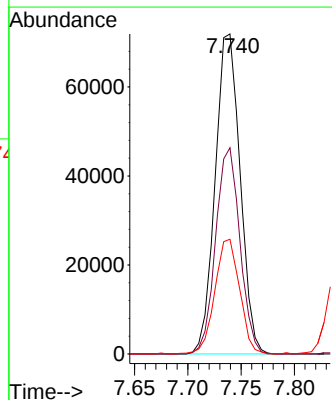
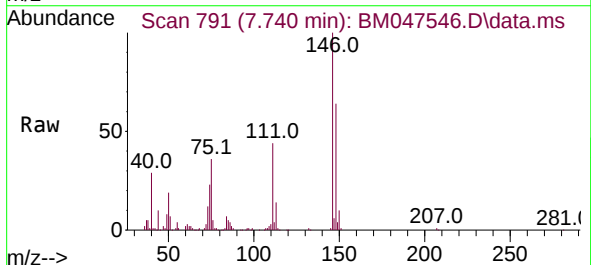
Manual Integrations
APPROVED

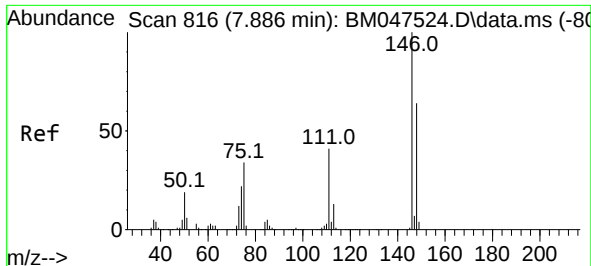
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#12
1,3-Dichlorobenzene
Concen: 3.760 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

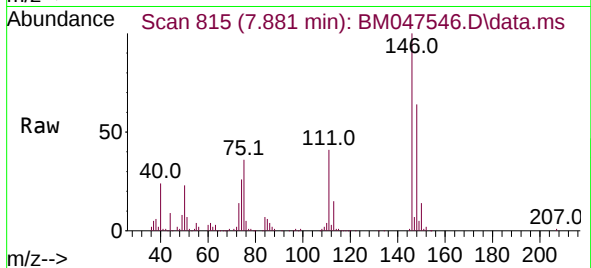
Tgt Ion:146 Resp: 117011
Ion Ratio Lower Upper
146 100
148 64.5 50.2 75.4
75 35.9 27.4 41.0





#13
1,4-Dichlorobenzene
Concen: 3.672 ng
RT: 7.881 min Scan# 816
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

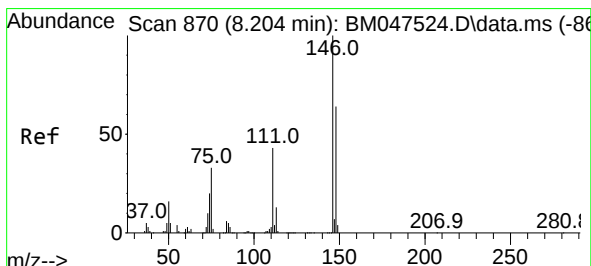
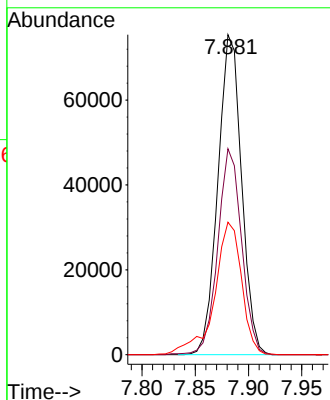
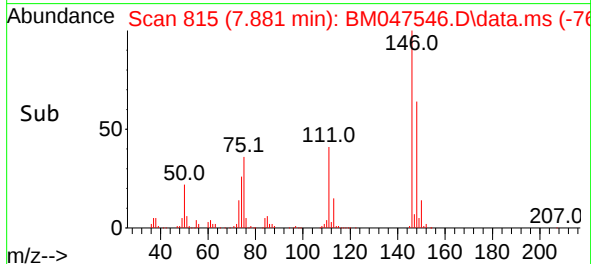
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



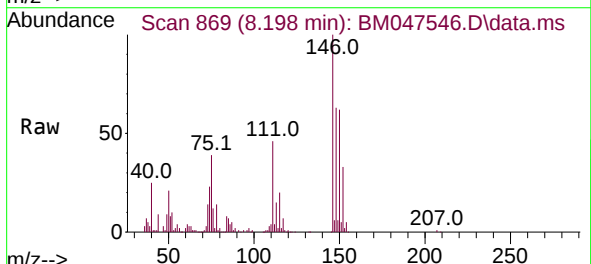
Tgt Ion:146 Resp: 116385
Ion Ratio Lower Upper
146 100
148 64.3 51.3 76.9
111 41.4 32.9 49.3

Manual Integrations
APPROVED

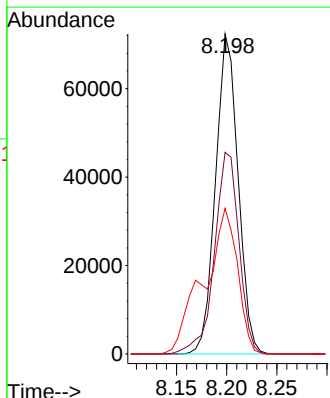
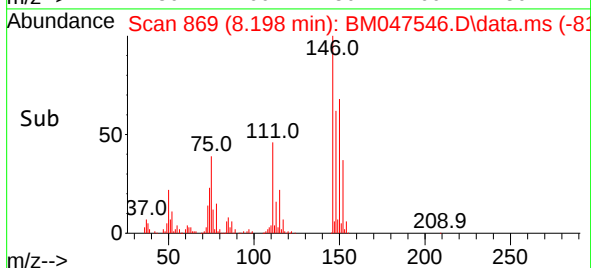
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

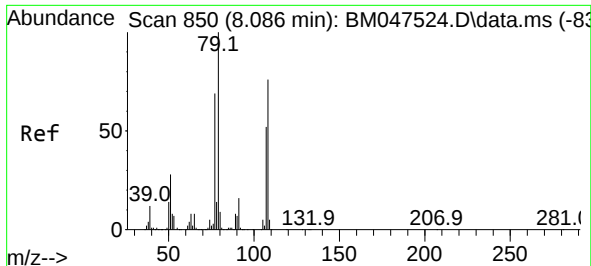


#14
1,2-Dichlorobenzene
Concen: 3.623 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



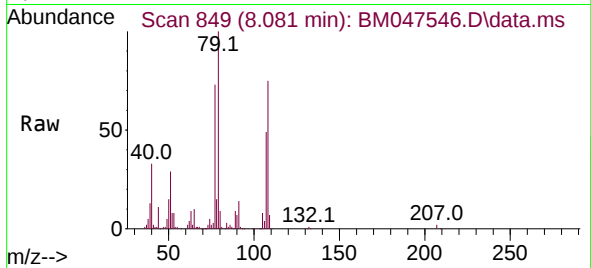
Tgt Ion:146 Resp: 113004
Ion Ratio Lower Upper
146 100
148 63.0 51.1 76.7
111 45.5 34.7 52.1





#15
Benzyl Alcohol
Concen: 3.782 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

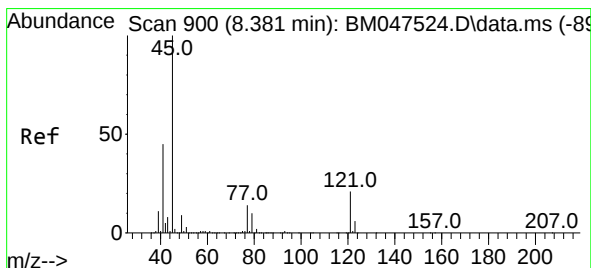
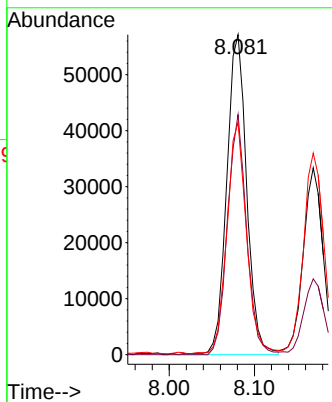
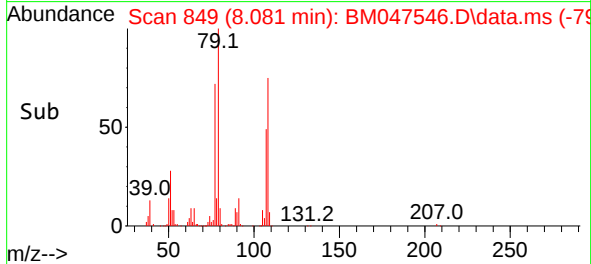
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 79 Resp: 9305
Ion Ratio Lower Upper
79 100
108 75.0 60.6 91.0
77 72.5 55.0 82.4

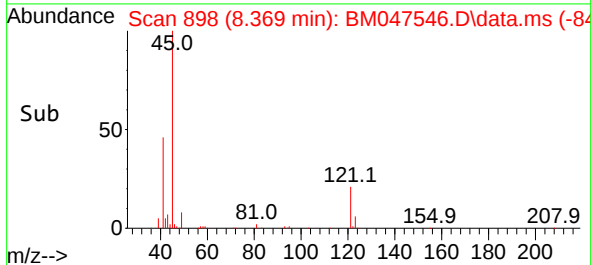
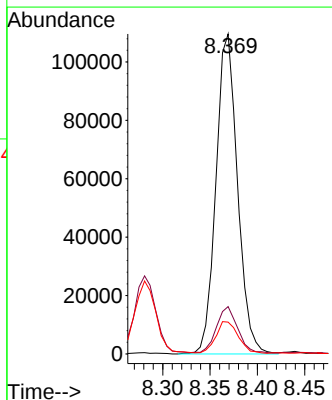
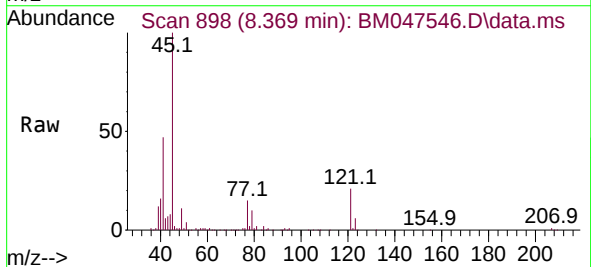
Manual Integrations
APPROVED

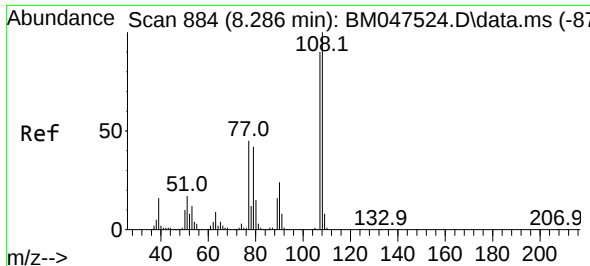
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.233 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

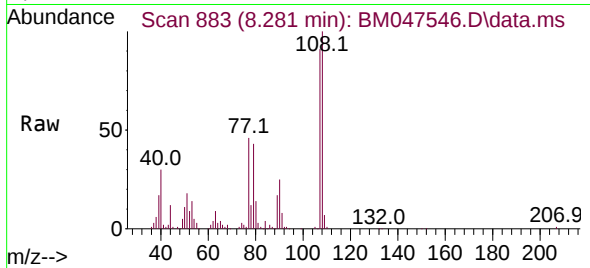
Tgt Ion: 45 Resp: 173838
Ion Ratio Lower Upper
45 100
77 14.8 0.0 33.7
79 10.0 0.0 30.3





#17
2-Methylphenol
Concen: 3.445 ng
RT: 8.281 min Scan# 884
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

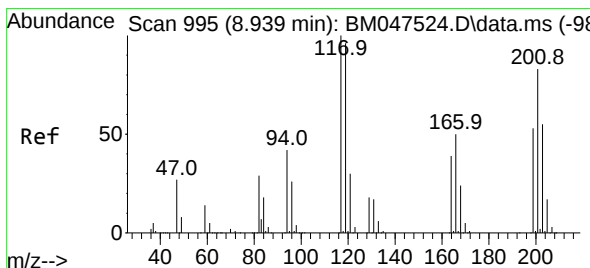
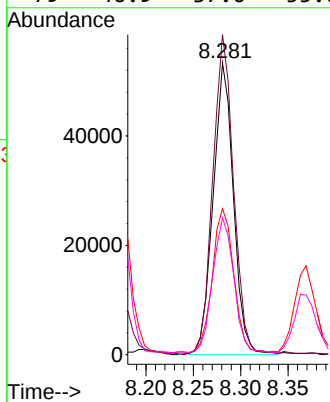
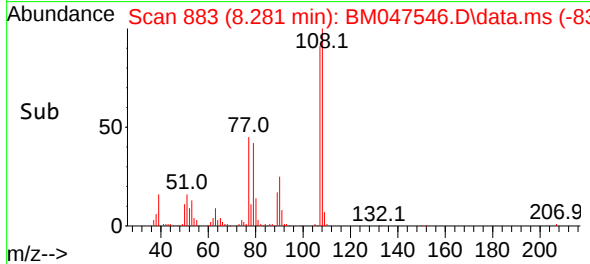
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:	107	Resp:	8003
Ion Ratio	Lower	Upper	
107	100		
108	109.7	88.9	133.3
77	50.1	39.8	59.8
79	46.9	37.0	55.6

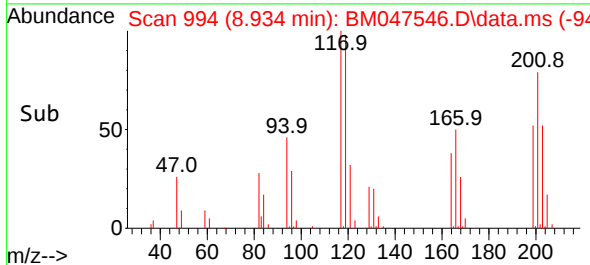
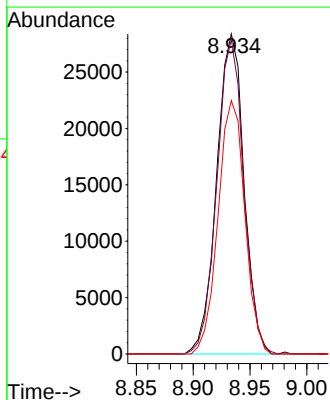
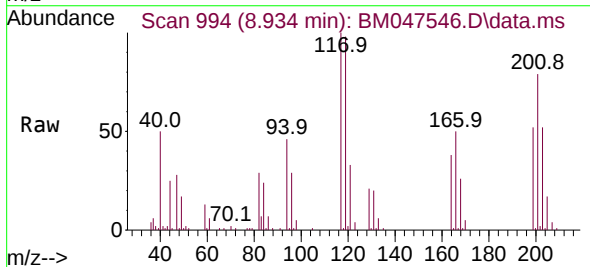
Manual Integrations
APPROVED

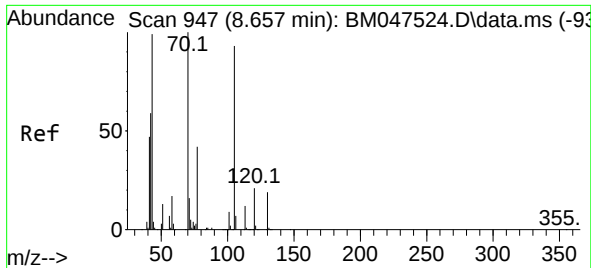
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#18
Hexachloroethane
Concen: 3.749 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

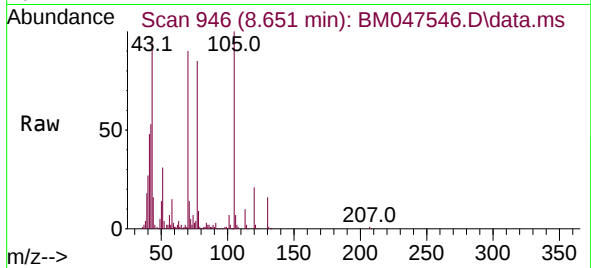
Tgt Ion:	117	Resp:	47471
Ion Ratio	Lower	Upper	
117	100		
119	98.3	77.0	115.4
201	79.2	66.8	100.2





#19
n-Nitroso-di-n-propylamine
Concen: 3.677 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

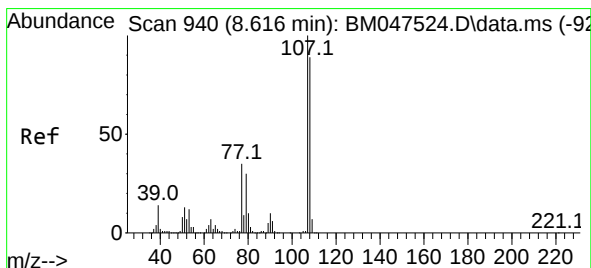
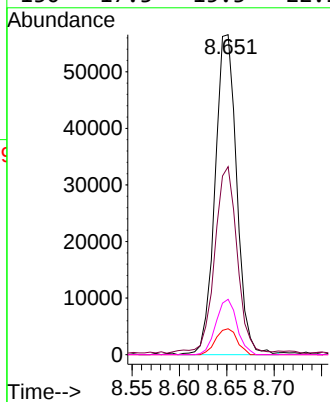
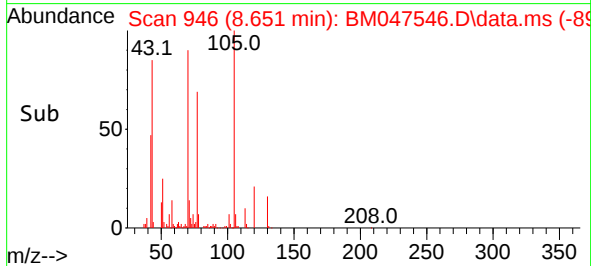
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 70 Resp: 90039
Ion Ratio Lower Upper
70 100
42 58.8 48.2 72.2
101 8.1 7.0 10.4
130 17.3 15.3 22.9

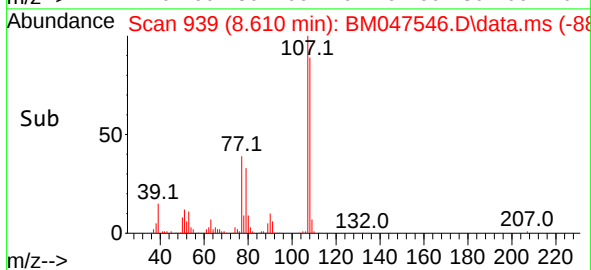
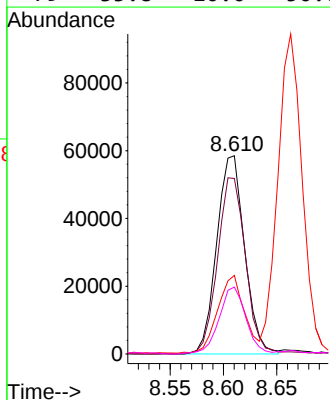
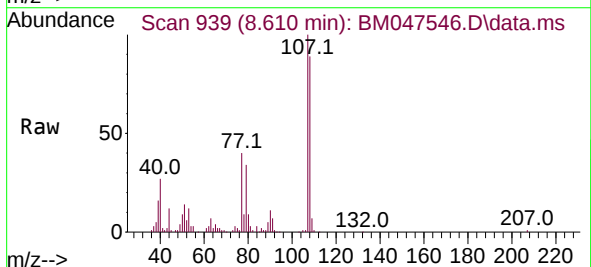
Manual Integrations
APPROVED

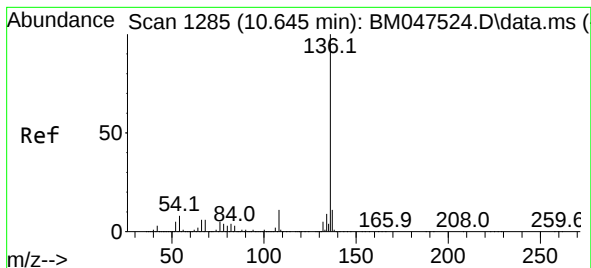
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#20
3+4-Methylphenols
Concen: 3.281 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

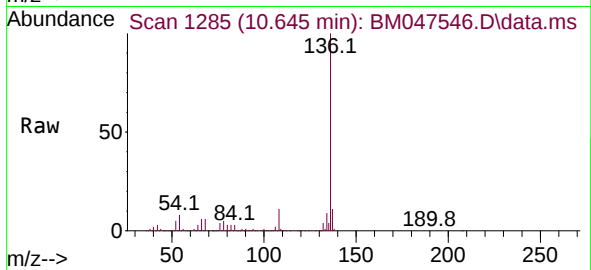
Tgt Ion:107 Resp: 106352
Ion Ratio Lower Upper
107 100
108 88.5 68.9 108.9
77 39.7 15.5 55.5
79 33.8 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

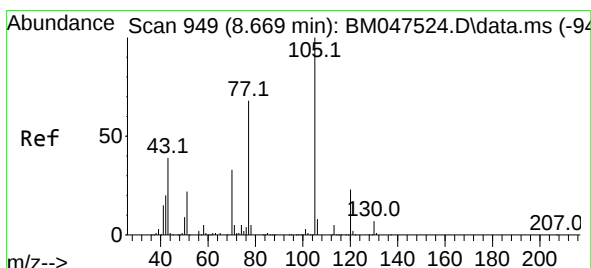
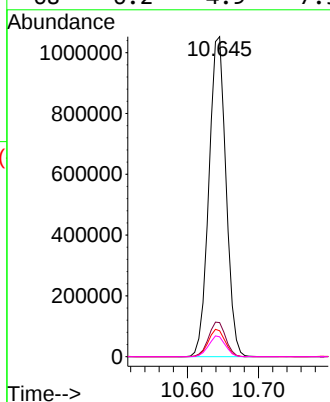
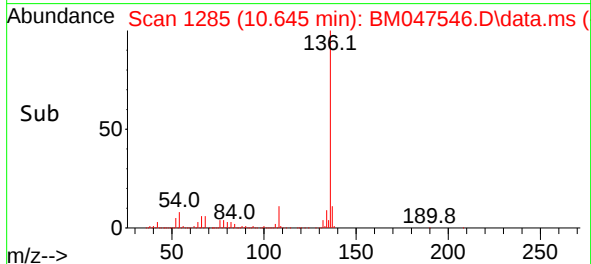
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:136 Resp: 175693
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 8.1 6.6 9.8
68 6.2 4.9 7.3

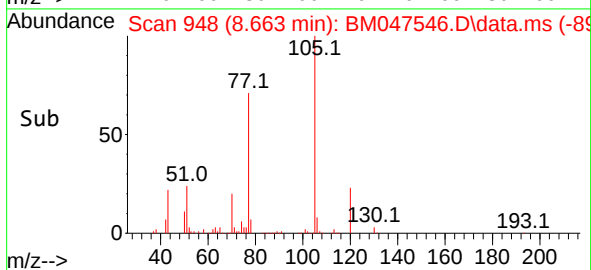
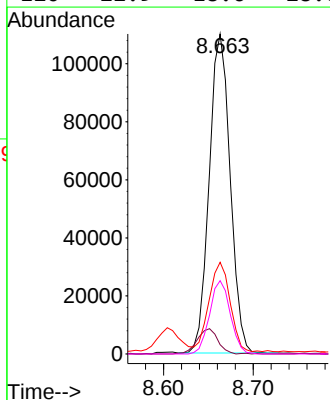
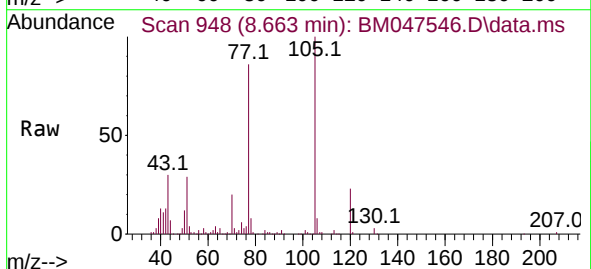
Manual Integrations
APPROVED

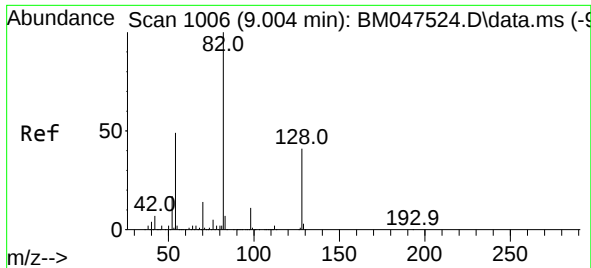
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#22
Acetophenone
Concen: 3.860 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

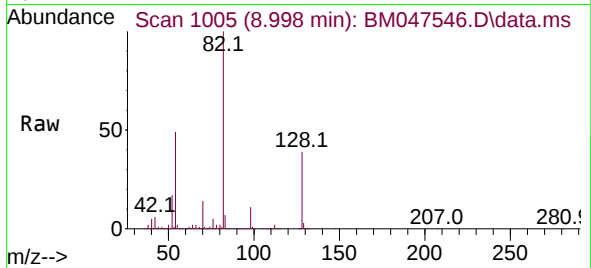
Tgt Ion:105 Resp: 178293
Ion Ratio Lower Upper
105 100
71 2.9 4.3 6.5#
51 28.7 21.5 32.3
120 22.9 18.6 28.0





#23
Nitrobenzene-d5
Concen: 89.479 ng
RT: 8.998 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

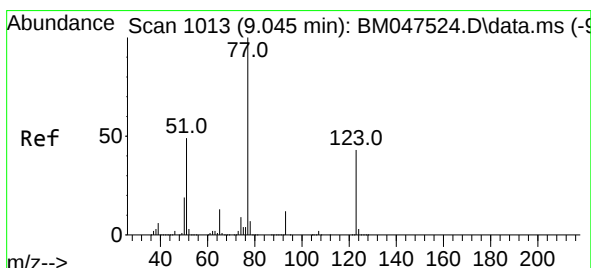
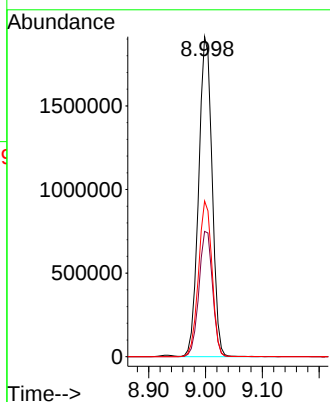
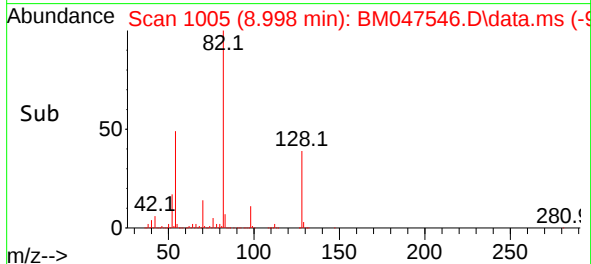
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 82 Resp: 314126
Ion Ratio Lower Upper
82 100
128 39.1 33.0 49.4
54 48.7 39.3 58.9

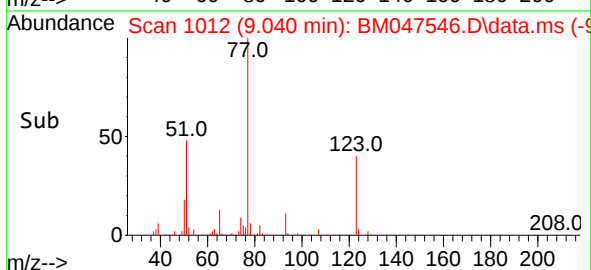
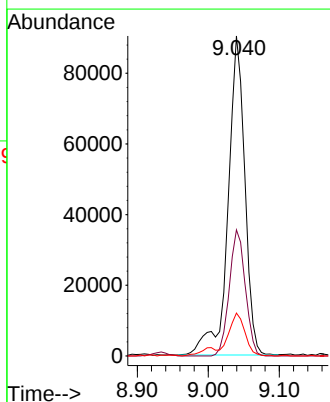
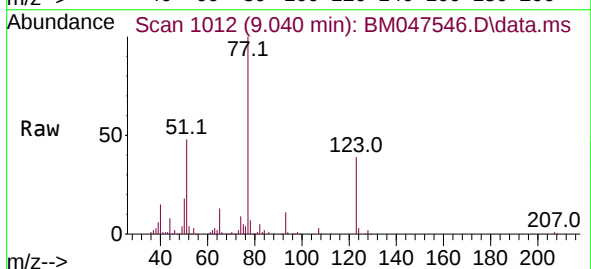
Manual Integrations
APPROVED

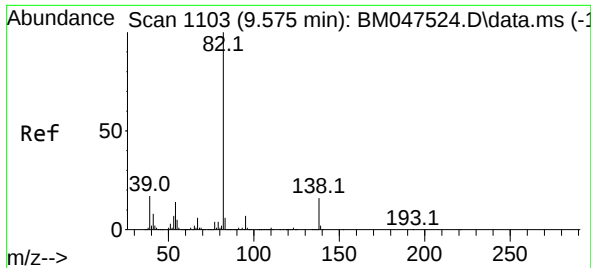
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#24
Nitrobenzene
Concen: 4.129 ng
RT: 9.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

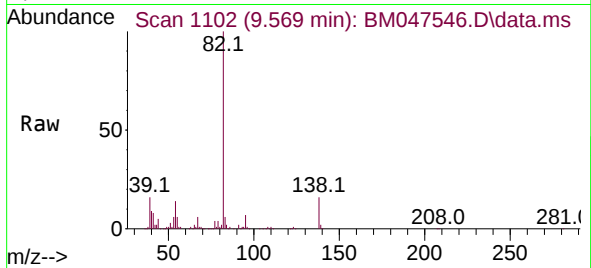
Tgt Ion: 77 Resp: 148948
Ion Ratio Lower Upper
77 100
123 39.4 34.5 51.7
65 13.4 10.7 16.1





#25
Isophorone
Concen: 3.814 ng
RT: 9.569 min Scan# 1102
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

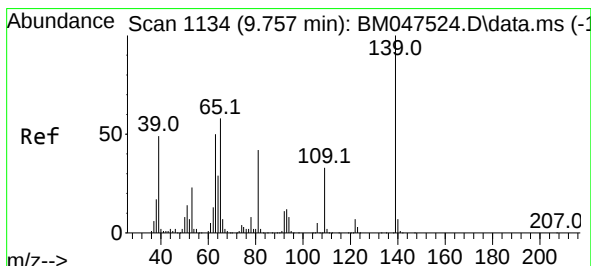
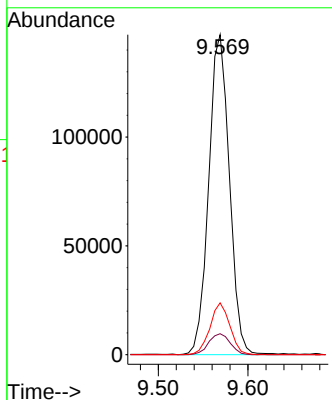
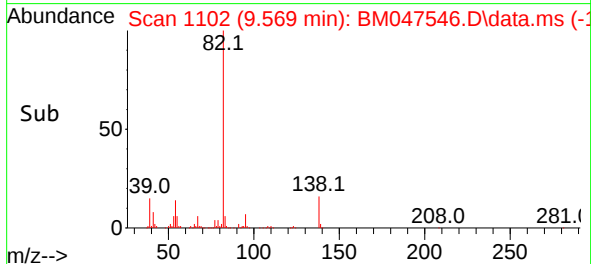
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 82 Resp: 235380
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 16.2 12.9 19.3

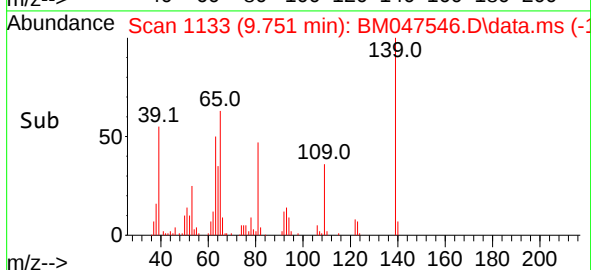
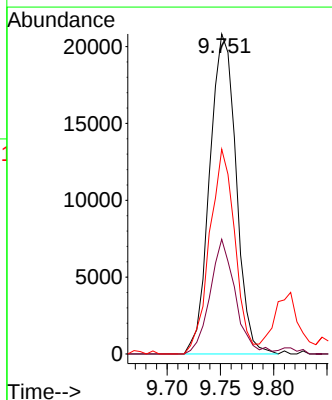
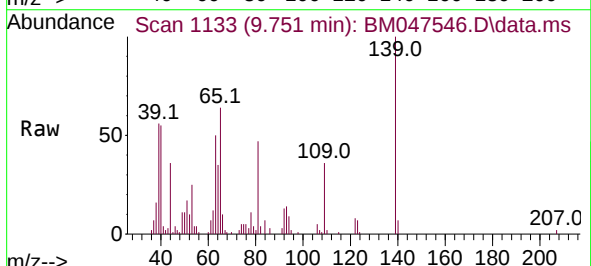
Manual Integrations
APPROVED

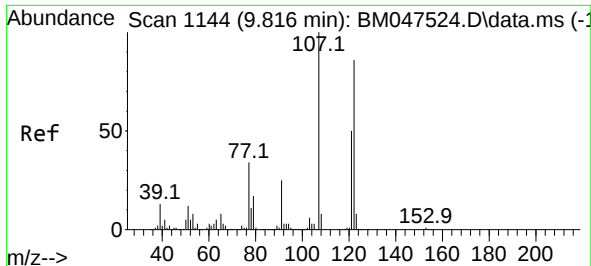
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#26
2-Nitrophenol
Concen: 2.921 ng
RT: 9.751 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:139 Resp: 35910
Ion Ratio Lower Upper
139 100
109 35.8 26.0 39.0
65 64.0 46.2 69.4





#27

2,4-Dimethylphenol

Concen: 4.381 ng m

RT: 9.810 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BM047546.D

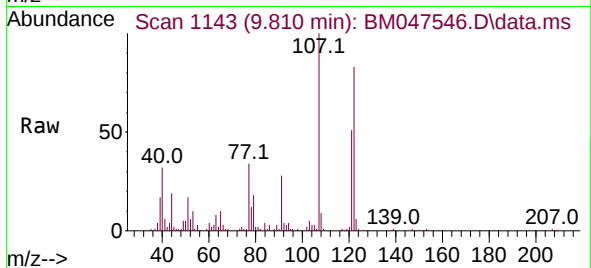
Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

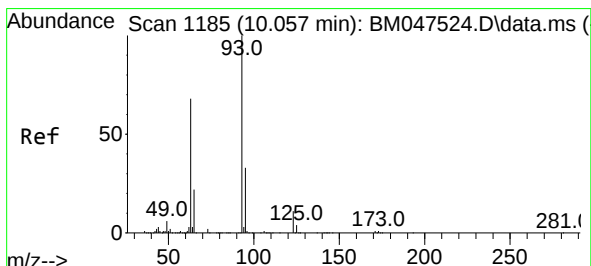
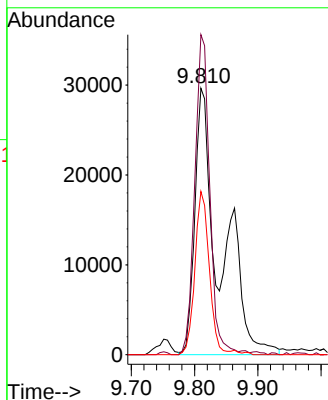
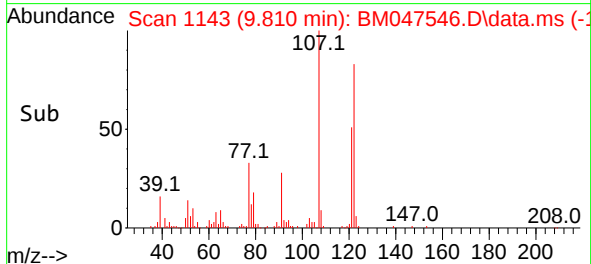


Tgt Ion:	122	Resp:	81640
Ion	Ratio	Lower	Upper
122	100		
107	120.1	92.4	138.6
121	61.3	46.2	69.4

Manual Integrations

APPROVED

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



#28

bis(2-Chloroethoxy)methane

Concen: 3.842 ng

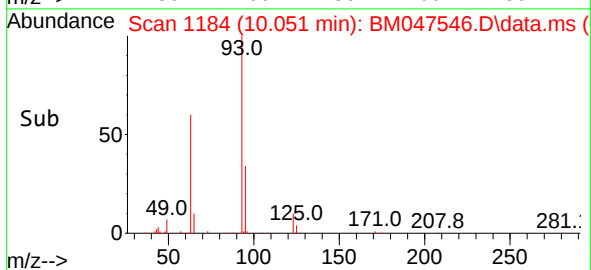
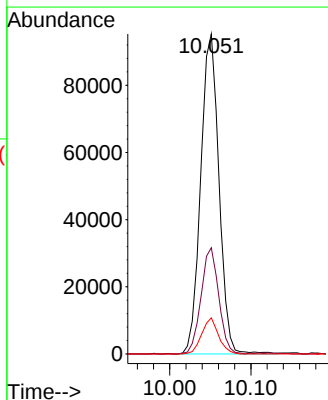
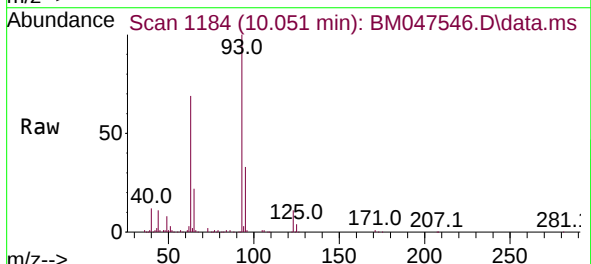
RT: 10.051 min Scan# 1184

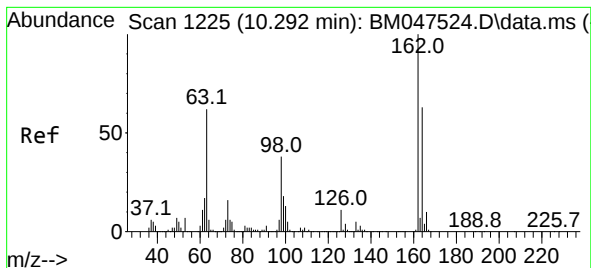
Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Tgt Ion:	93	Resp:	148954
Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.2	39.2
123	11.3	9.2	13.8





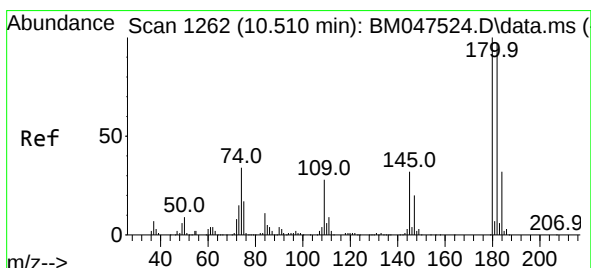
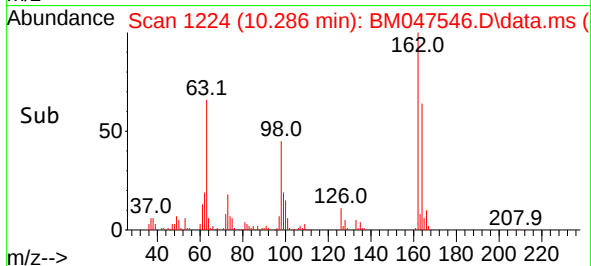
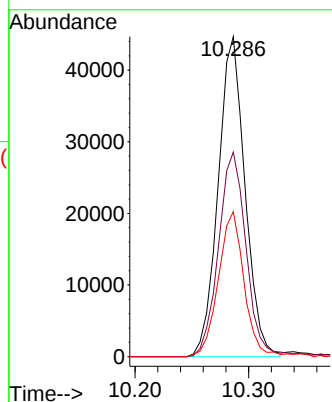
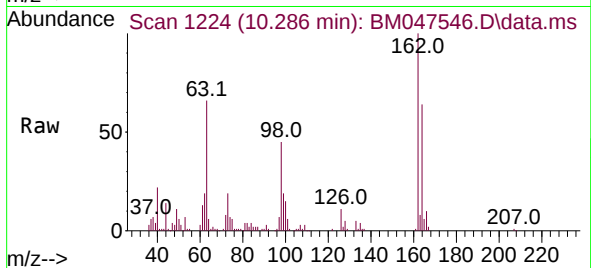
#29
2,4-Dichlorophenol
Concen: 3.097 ng
RT: 10.286 min Scan# 1224
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.5	83.5
98	45.3	17.6	57.6

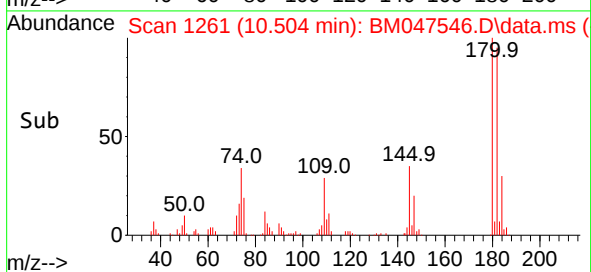
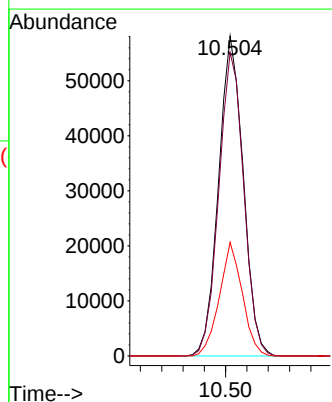
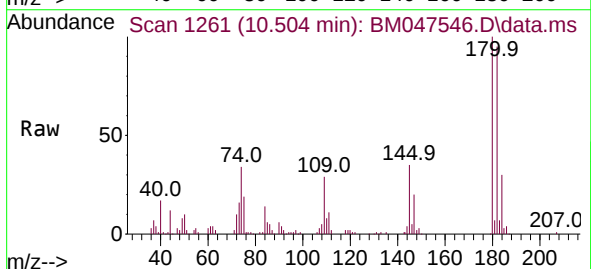
Manual Integrations
APPROVED

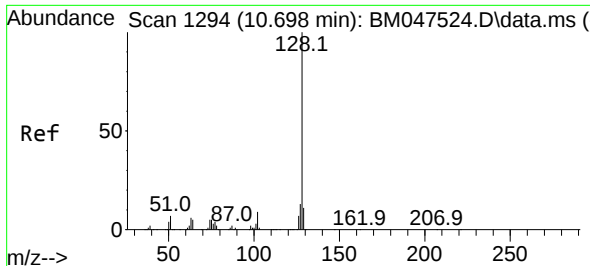
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#30
1,2,4-Trichlorobenzene
Concen: 3.439 ng
RT: 10.504 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

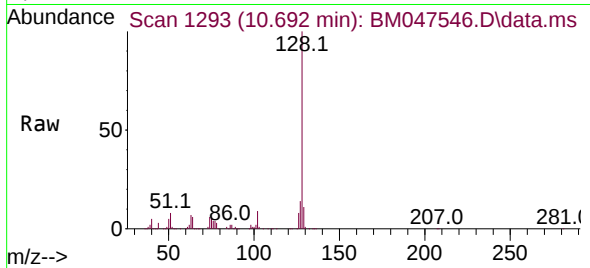
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.6	116.4
145	35.5	25.4	38.0





#31
Naphthalene
Concen: 3.576 ng
RT: 10.692 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

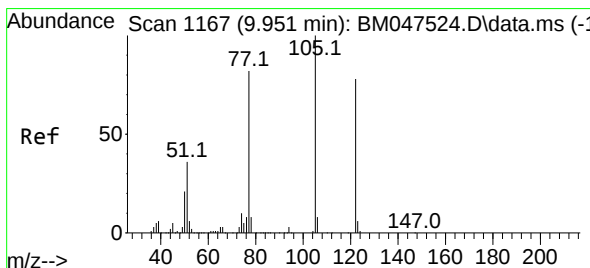
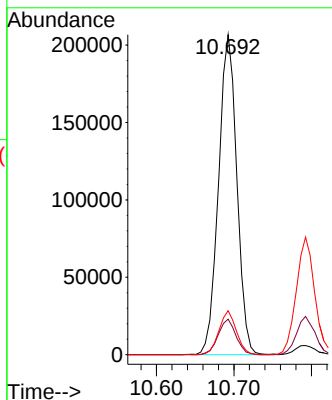
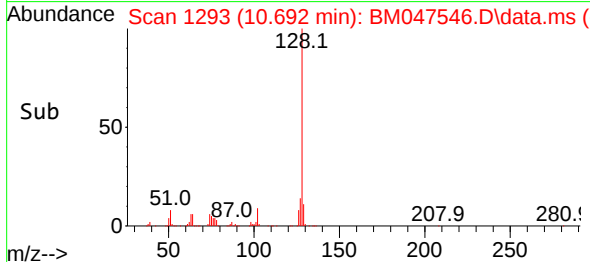
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:128 Resp: 339320
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.8 10.5 15.7

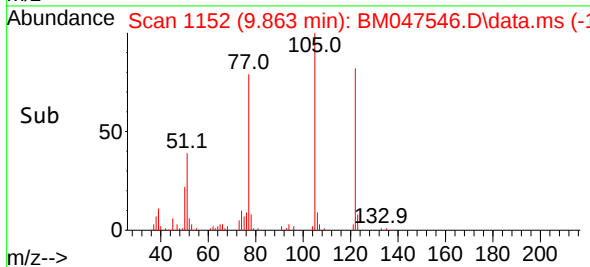
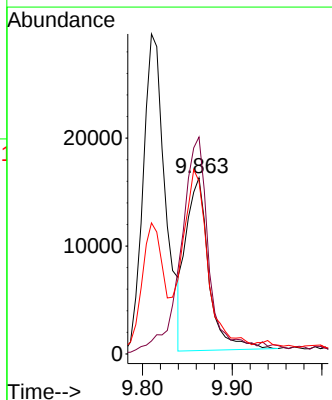
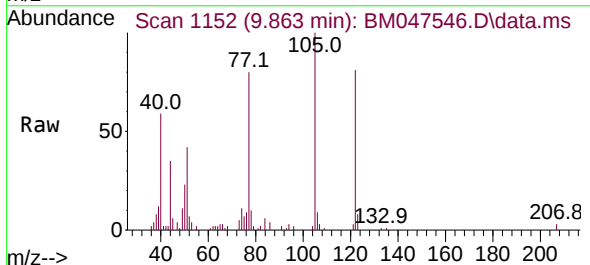
Manual Integrations
APPROVED

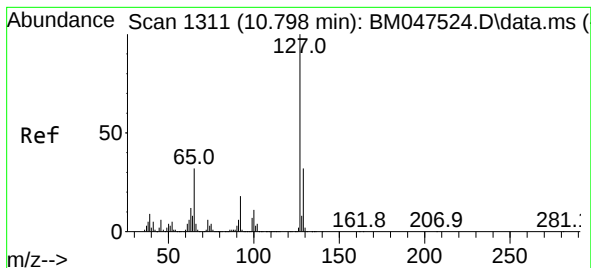
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#32
Benzoic acid
Concen: 8.027 ng
RT: 9.863 min Scan# 1152
Delta R.T. -0.088 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

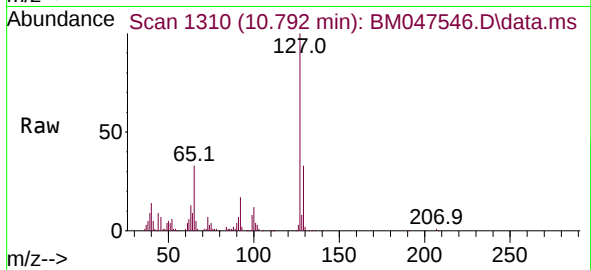
Tgt Ion:122 Resp: 28338
Ion Ratio Lower Upper
122 100
105 123.2 104.7 144.7
77 98.1 83.4 123.4





#33
4-Chloroaniline
Concen: 3.721 ng
RT: 10.792 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

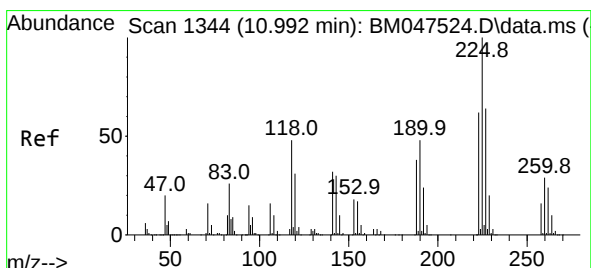
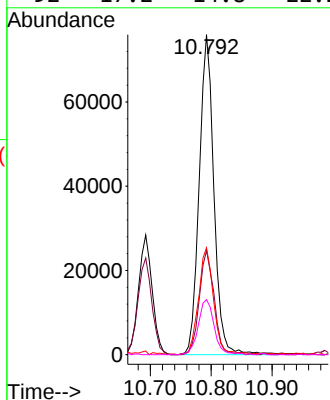
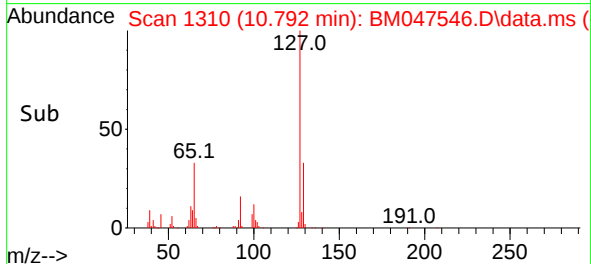
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.4	38.0
65	33.4	25.5	38.3
92	17.2	14.8	22.2

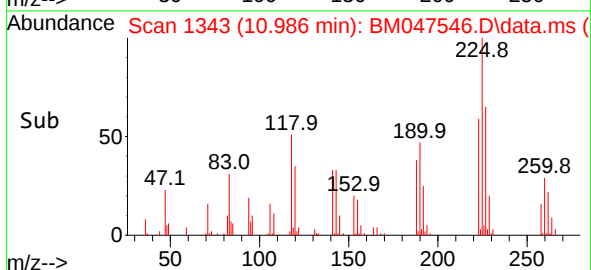
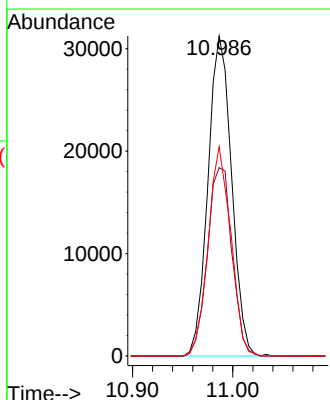
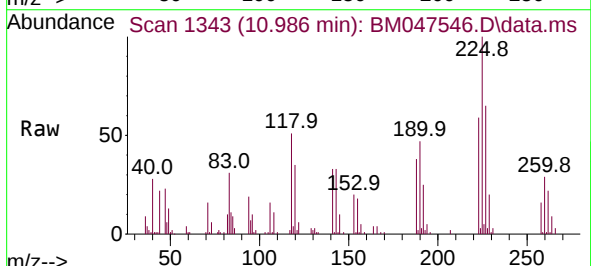
Manual Integrations
APPROVED

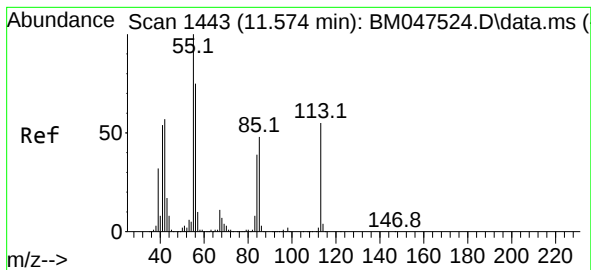
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#34
Hexachlorobutadiene
Concen: 3.396 ng
RT: 10.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

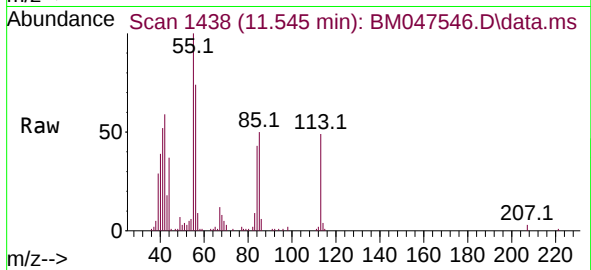
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.9	49.8	74.6
227	65.4	51.0	76.4





#35
Caprolactam
Concen: 2.931 ng
RT: 11.545 min Scan# 1443
Delta R.T. -0.029 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

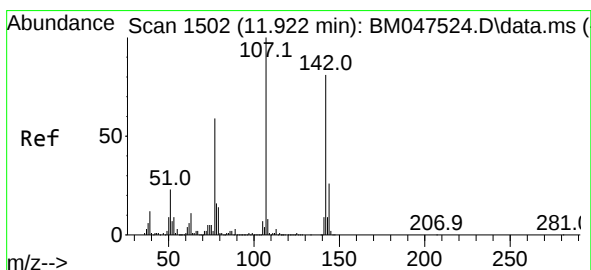
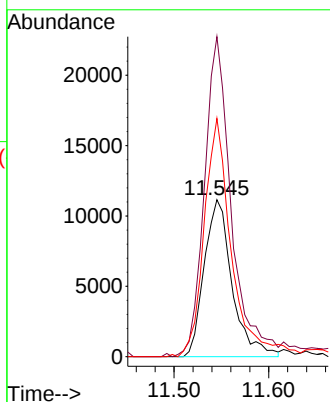
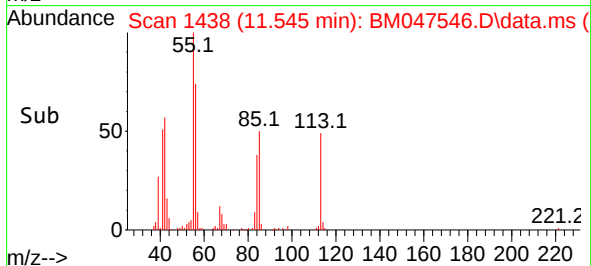
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



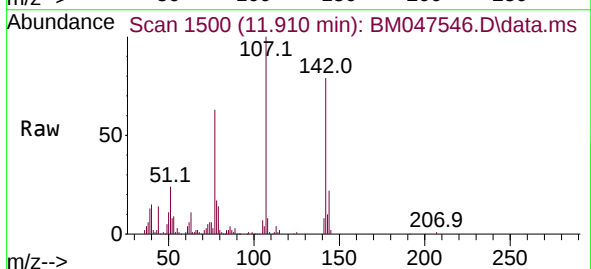
Tgt Ion:113 Resp: 22858
Ion Ratio Lower Upper
113 100
55 204.0 162.5 202.5
56 151.8 116.5 156.5

Manual Integrations
APPROVED

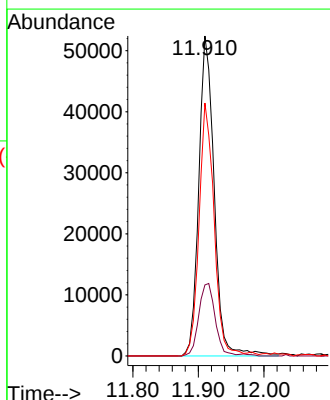
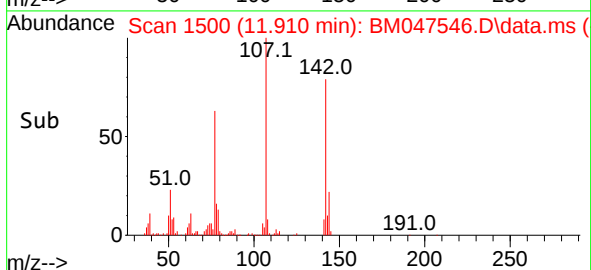
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

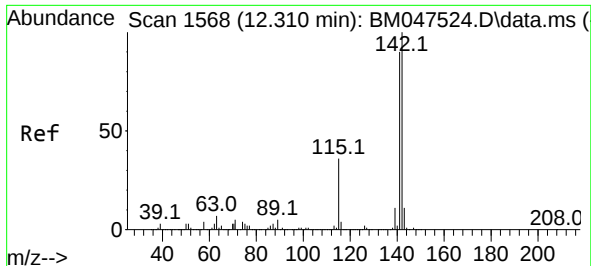


#36
4-Chloro-3-methylphenol
Concen: 3.175 ng
RT: 11.910 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



Tgt Ion:107 Resp: 86129
Ion Ratio Lower Upper
107 100
144 22.2 20.5 30.7
142 79.0 65.0 97.4





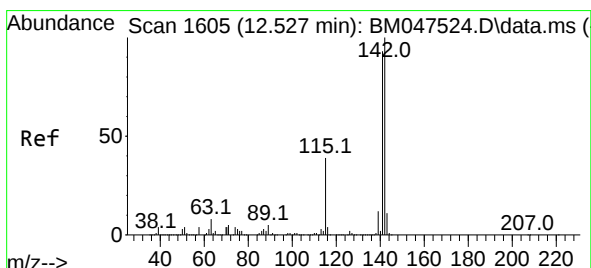
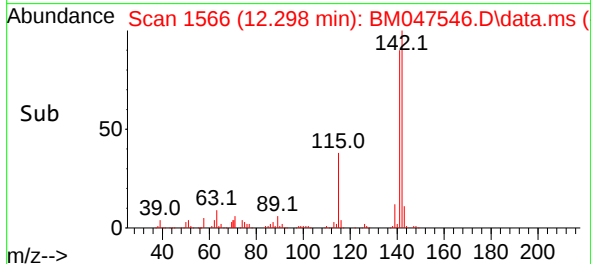
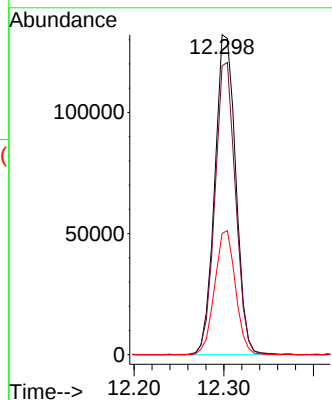
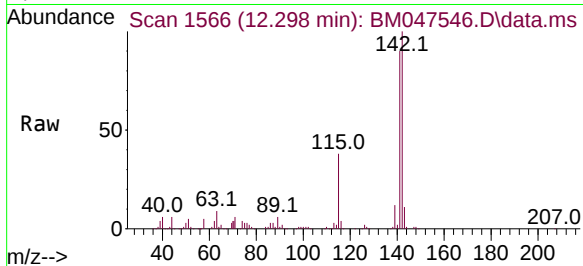
#37
2-Methylnaphthalene
Concen: 3.397 ng
RT: 12.298 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:142 Resp: 21456
Ion Ratio Lower Upper
142 100
141 90.3 72.2 108.4
115 37.9 29.1 43.7

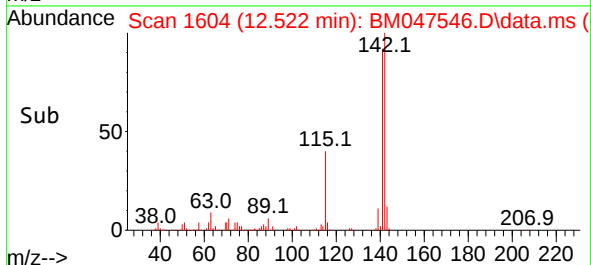
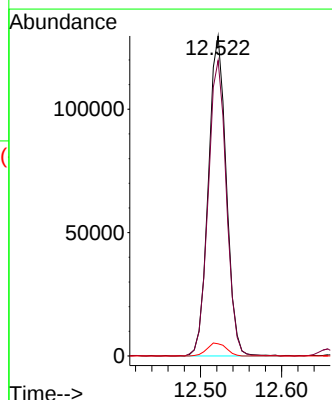
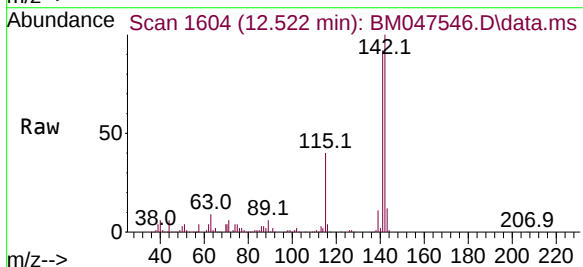
Manual Integrations
APPROVED

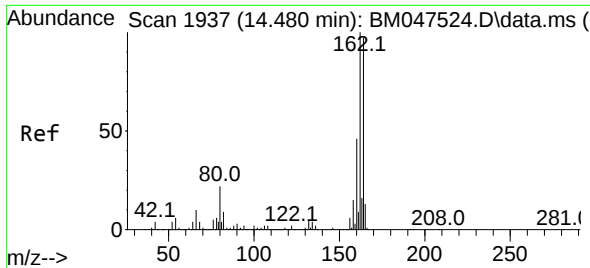
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#38
1-Methylnaphthalene
Concen: 3.165 ng
RT: 12.522 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

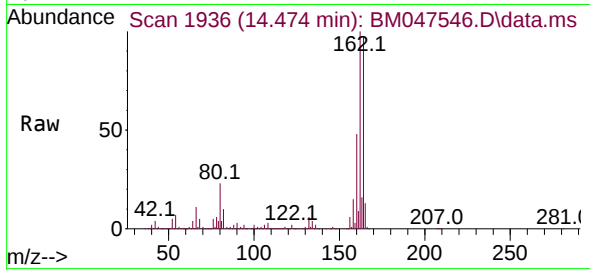
Tgt Ion:142 Resp: 198643
Ion Ratio Lower Upper
142 100
141 92.4 74.7 112.1
116 3.8 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

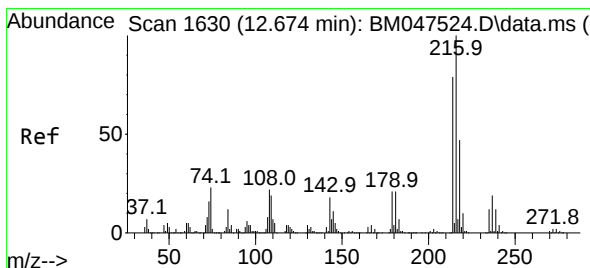
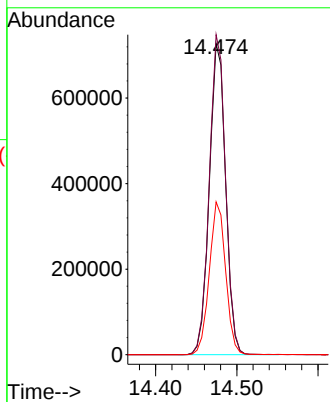
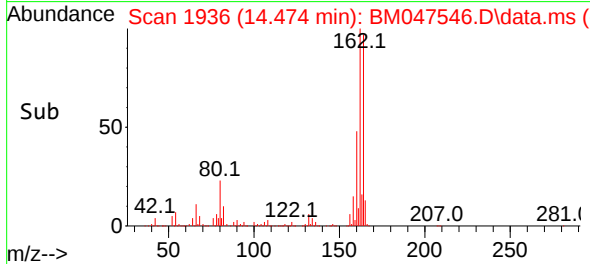
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:164 Resp: 1013774
Ion Ratio Lower Upper
164 100
162 102.9 82.2 123.2
160 49.1 38.2 57.2

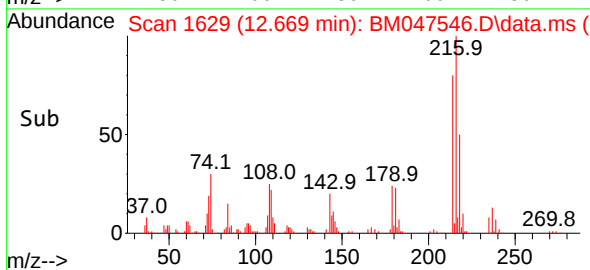
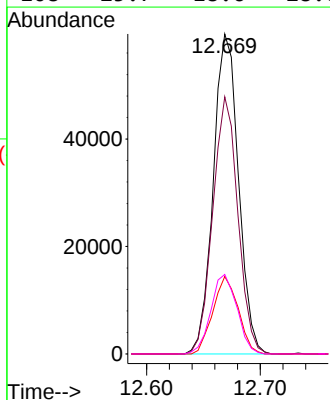
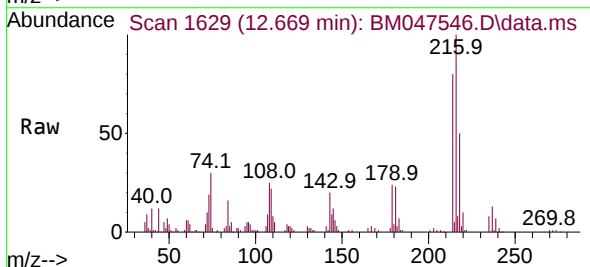
Manual Integrations
APPROVED

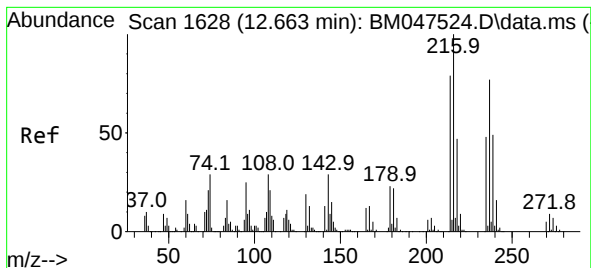
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.346 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:216 Resp: 91784
Ion Ratio Lower Upper
216 100
214 80.0 63.0 94.6
179 24.4 17.5 26.3
108 25.7 18.6 28.0





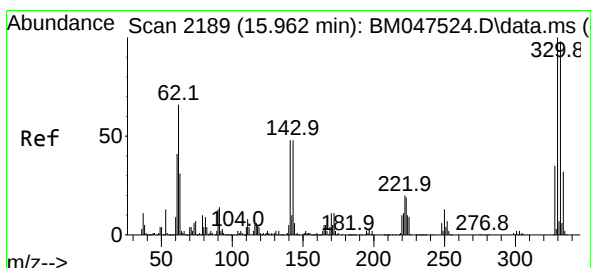
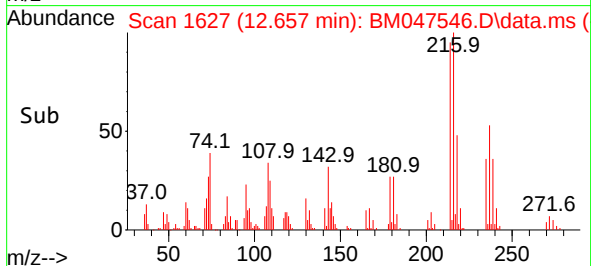
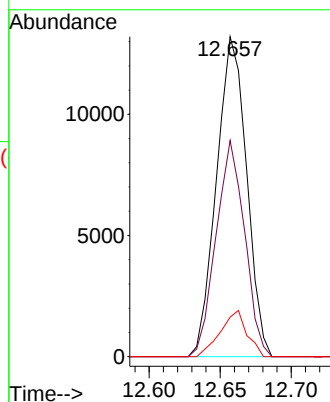
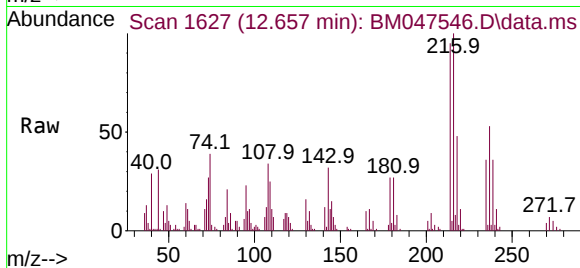
#41
Hexachlorocyclopentadiene
Concen: 2.171 ng
RT: 12.657 min Scan# 1627
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:237 Resp: 1946
Ion Ratio Lower Upper
237 100
235 67.6 42.0 82.0
272 12.3 0.0 31.5

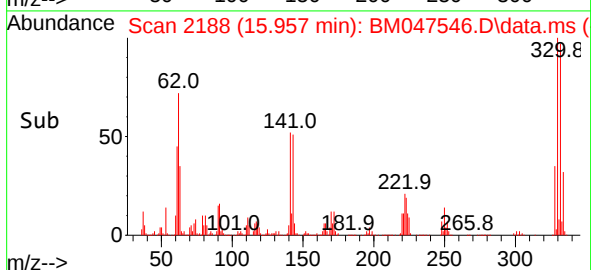
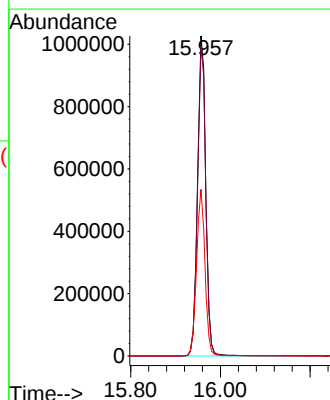
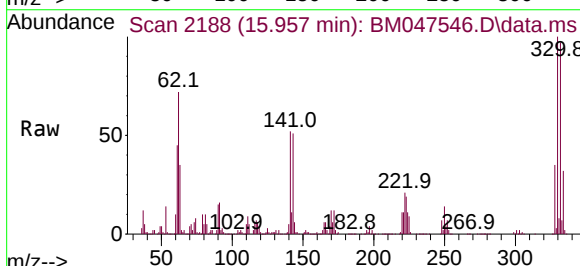
Manual Integrations
APPROVED

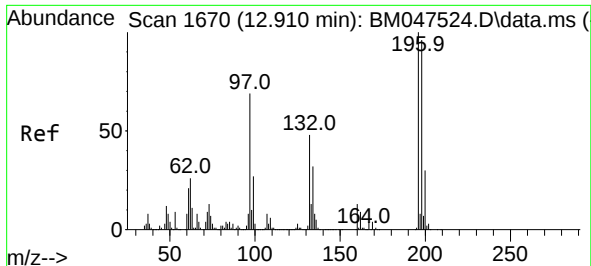
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#42
2,4,6-Tribromophenol
Concen: 133.334 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

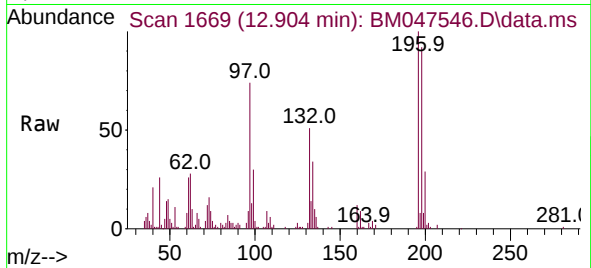
Tgt Ion:330 Resp: 1306540
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 53.7 42.2 63.2





#43
2,4,6-Trichlorophenol
Concen: 2.897 ng
RT: 12.904 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

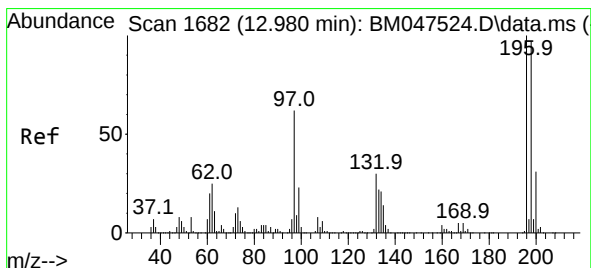
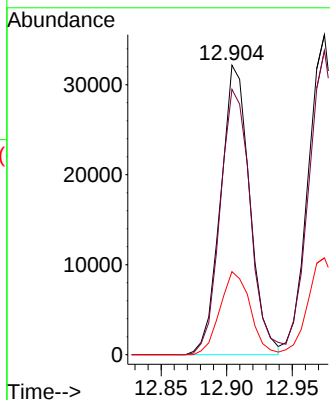
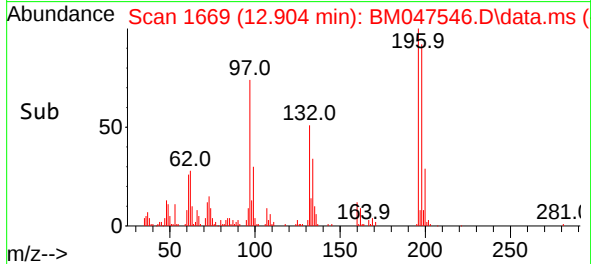
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



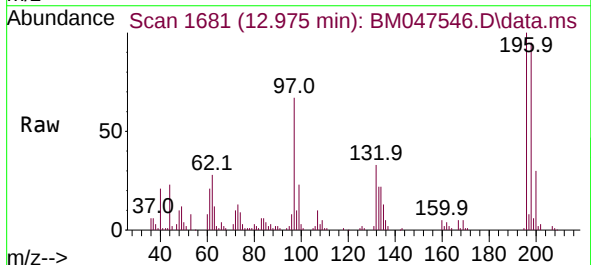
Tgt Ion:196 Resp: 49790
Ion Ratio Lower Upper
196 100
198 91.7 76.9 115.3
200 28.7 24.3 36.5

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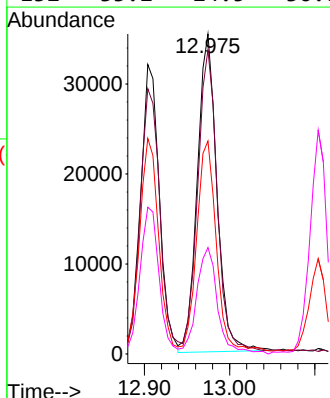
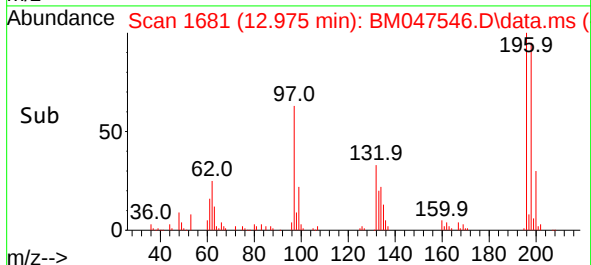
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

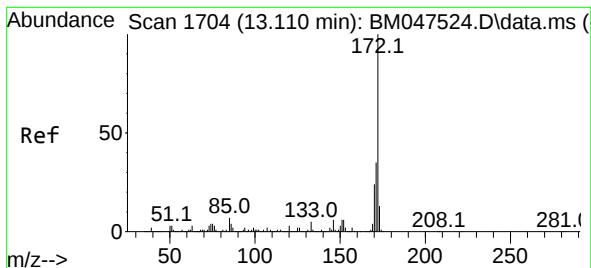


#44
2,4,5-Trichlorophenol
Concen: 2.907 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



Tgt Ion:196 Resp: 56433
Ion Ratio Lower Upper
196 100
198 95.0 77.4 116.2
97 66.5 49.8 74.8
132 33.2 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 87.929 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BM047546.D

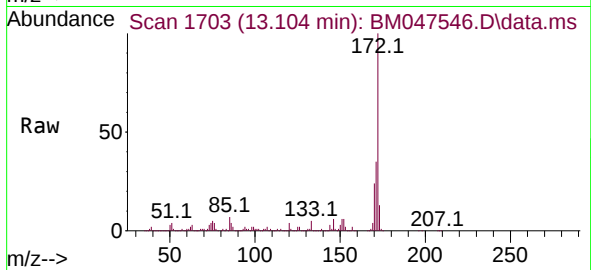
Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:172 Resp: 647108

Ion Ratio Lower Upper

172 100

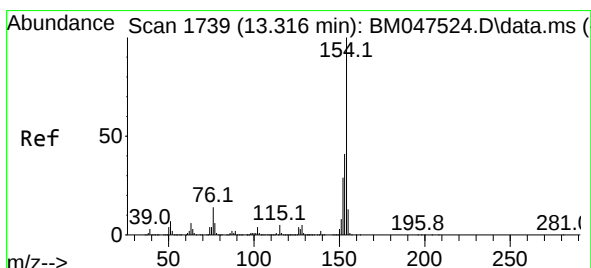
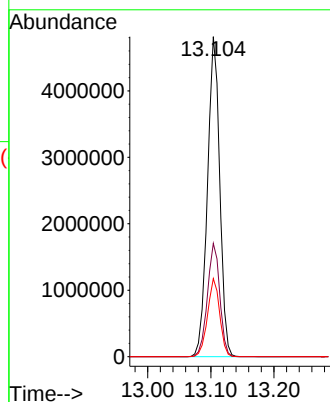
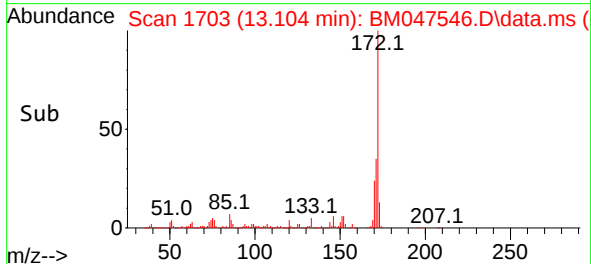
171 35.4 28.2 42.2

170 24.4 19.4 29.0

Manual Integrations

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



#46

1,1'-Biphenyl

Concen: 3.707 ng

RT: 13.310 min Scan# 1738

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

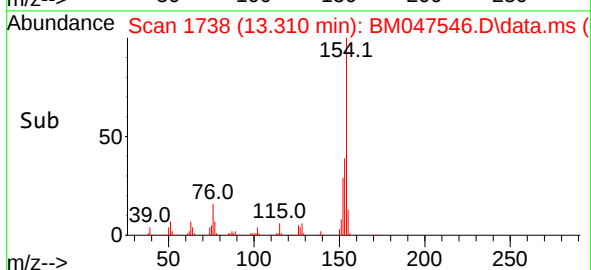
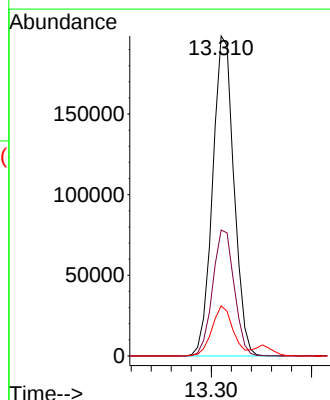
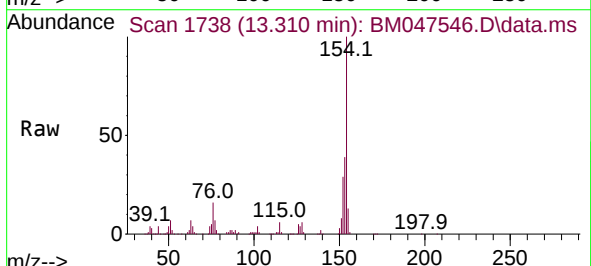
Tgt Ion:154 Resp: 292415

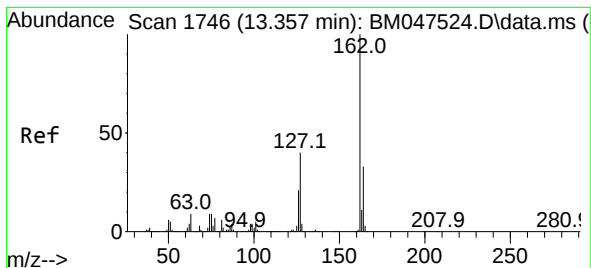
Ion Ratio Lower Upper

154 100

153 39.3 20.6 60.6

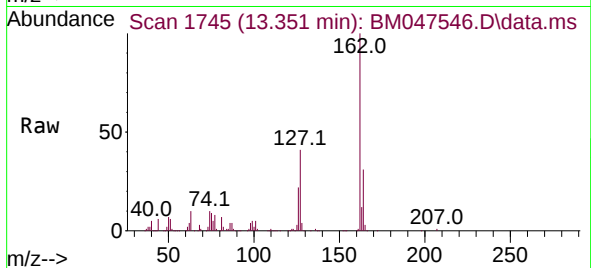
76 15.6 0.0 33.9





#47
2-Chloronaphthalene
Concen: 3.417 ng
RT: 13.351 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

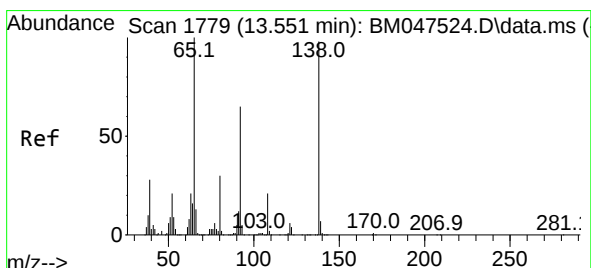
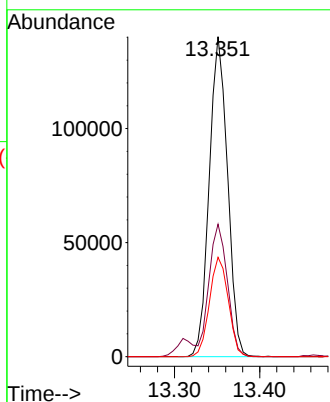
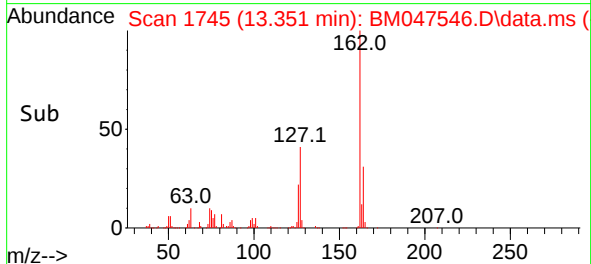
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



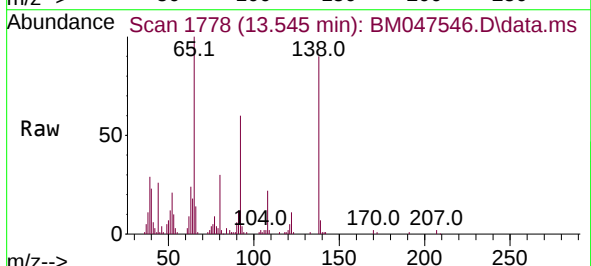
Tgt Ion:162 Resp: 20927
Ion Ratio Lower Upper
162 100
127 41.4 32.2 48.4
164 31.0 26.3 39.5

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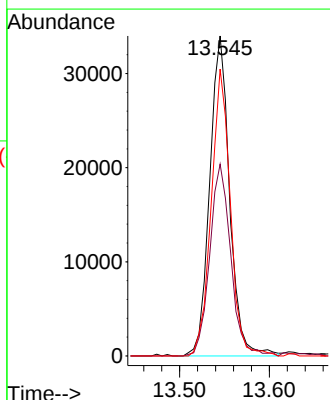
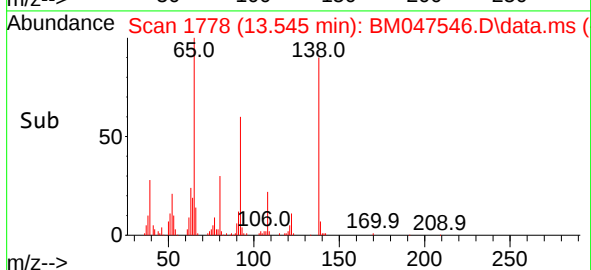
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

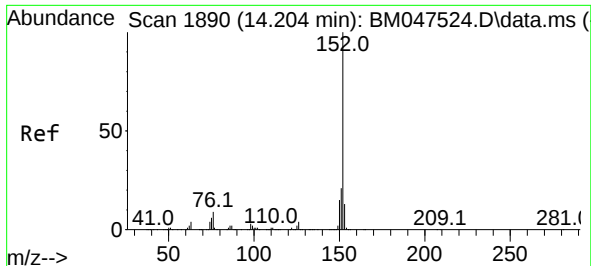


#48
2-Nitroaniline
Concen: 2.916 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



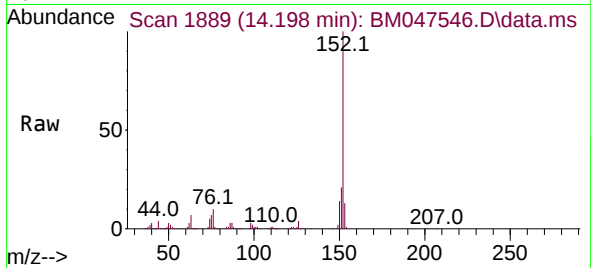
Tgt Ion: 65 Resp: 52452
Ion Ratio Lower Upper
65 100
92 59.9 51.9 77.9
138 89.7 78.5 117.7





#49
Acenaphthylene
Concen: 3.640 ng
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

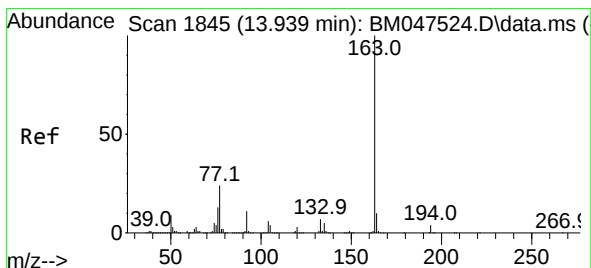
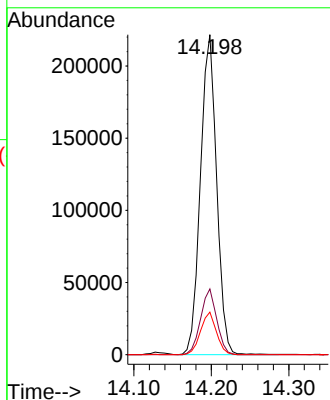
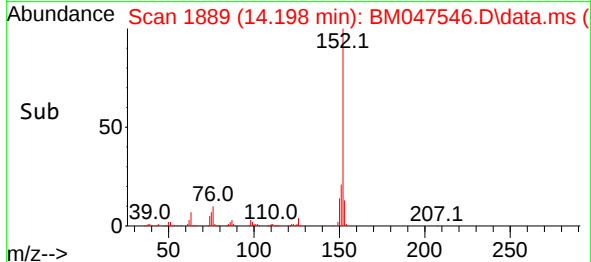
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:152 Resp: 32169
Ion Ratio Lower Upper
152 100
151 20.6 16.5 24.7
153 13.3 10.4 15.6

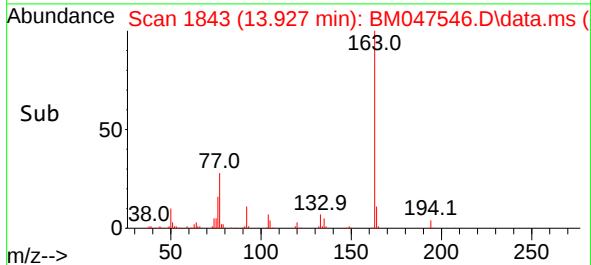
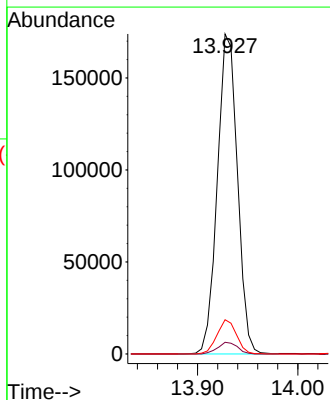
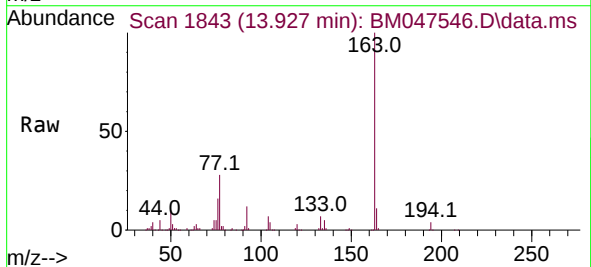
Manual Integrations
APPROVED

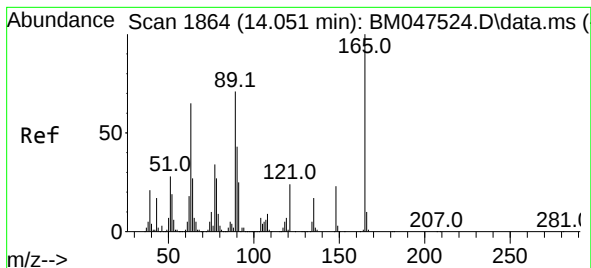
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#50
Dimethylphthalate
Concen: 3.502 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

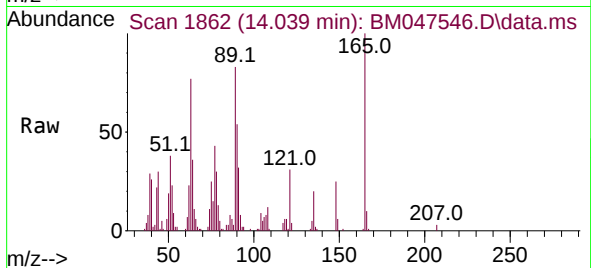
Tgt Ion:163 Resp: 242010
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.7 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 2.914 ng
RT: 14.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

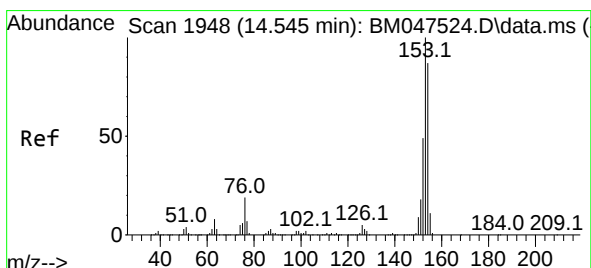
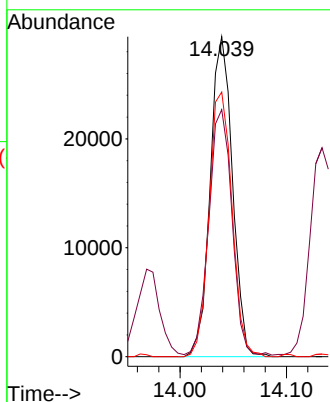
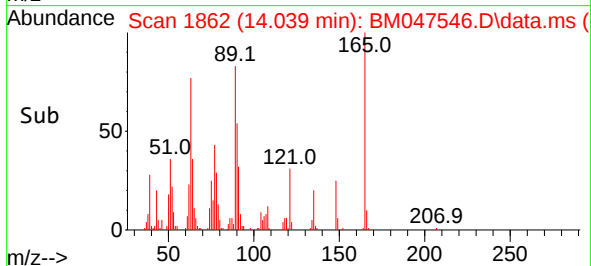
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



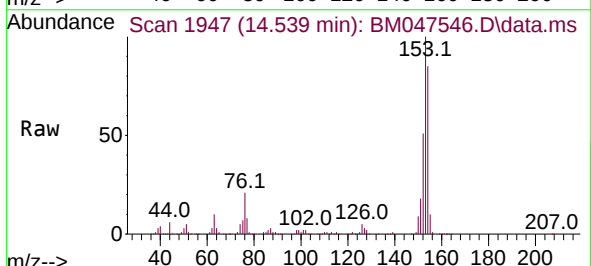
Tgt Ion:165 Resp: 42510
Ion Ratio Lower Upper
165 100
63 77.2 54.2 81.2
89 82.7 56.4 84.6

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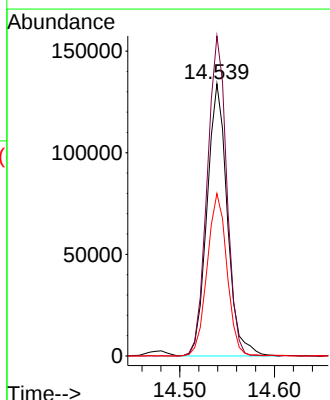
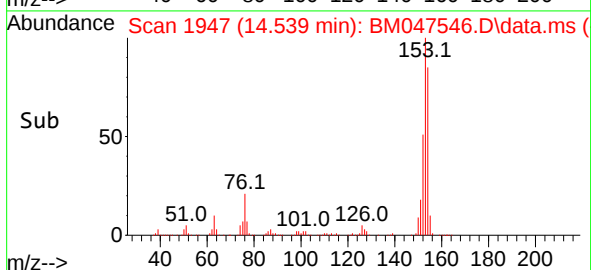
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

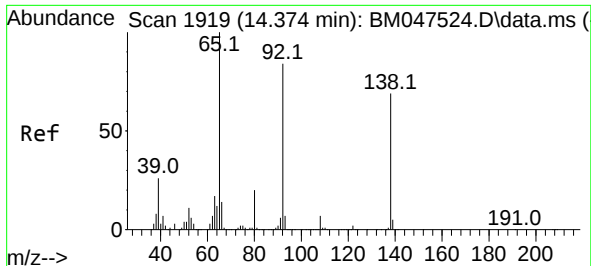


#52
Acenaphthene
Concen: 3.217 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



Tgt Ion:154 Resp: 199245
Ion Ratio Lower Upper
154 100
153 117.6 92.2 138.2
152 59.7 45.4 68.0





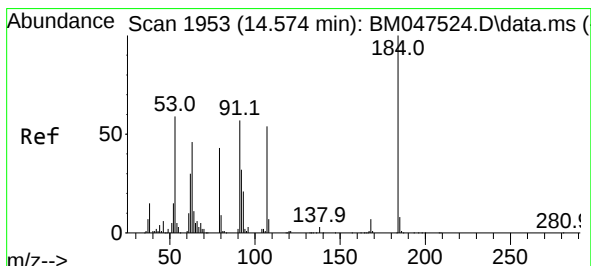
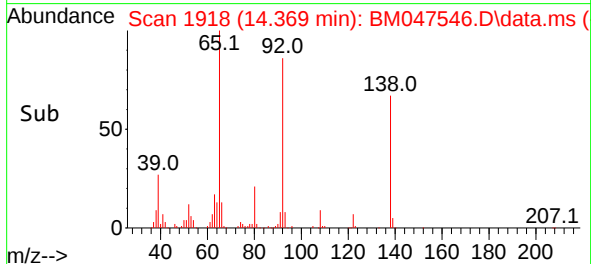
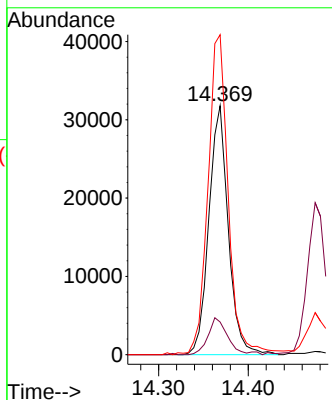
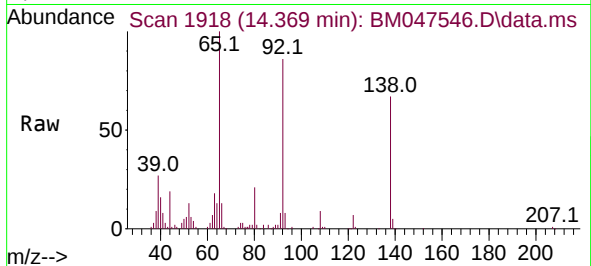
#53
3-Nitroaniline
Concen: 2.953 ng
RT: 14.369 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:138 Resp: 47884
Ion Ratio Lower Upper
138 100
108 13.1 8.0 12.0
92 128.5 97.4 146.0

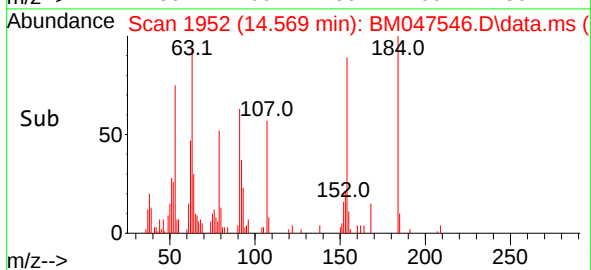
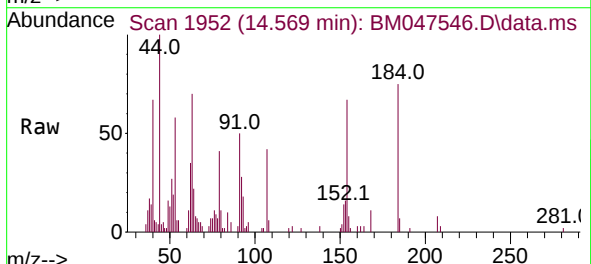
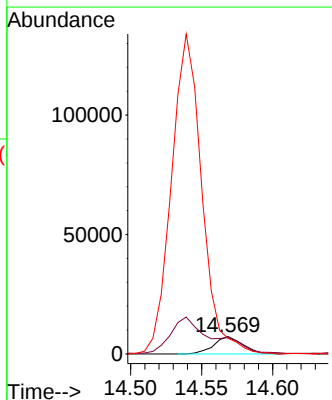
Manual Integrations
APPROVED

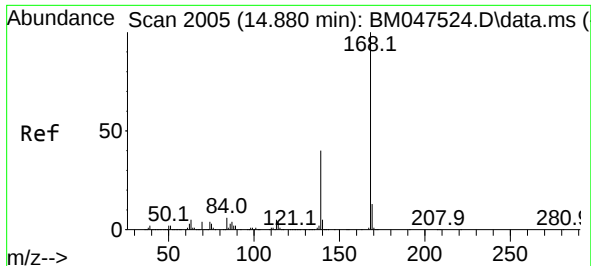
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#54
2,4-Dinitrophenol
Concen: 4.500 ng
RT: 14.569 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

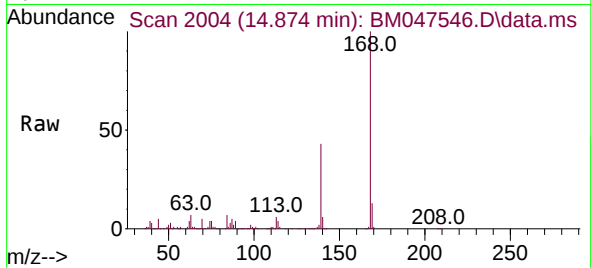
Tgt Ion:184 Resp: 10333
Ion Ratio Lower Upper
184 100
63 93.6 69.4 104.0
154 89.3 60.4 90.6





#55
Dibenzenofuran
Concen: 3.493 ng
RT: 14.874 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

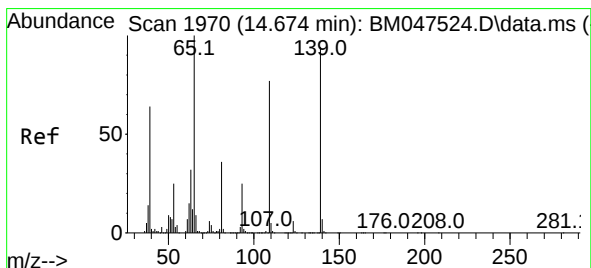
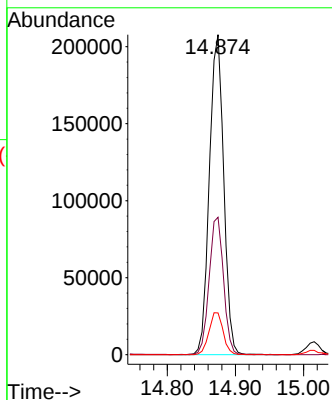
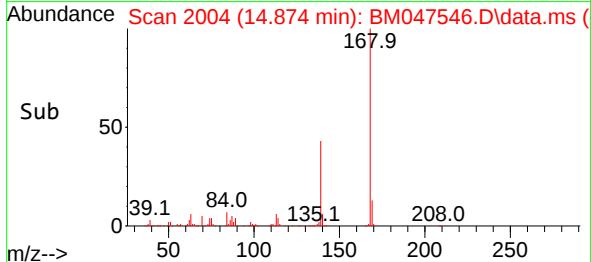
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:168 Resp: 30394
Ion Ratio Lower Upper
168 100
139 43.0 31.9 47.9
169 13.0 10.5 15.7

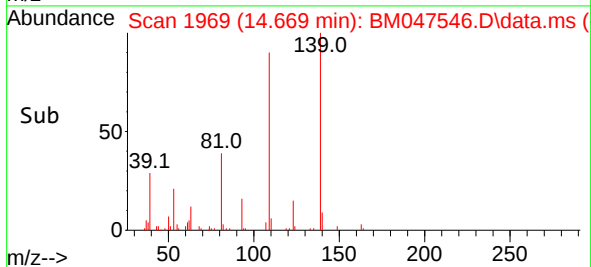
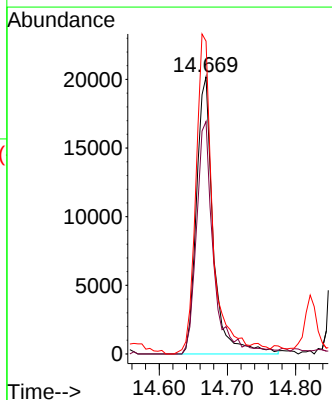
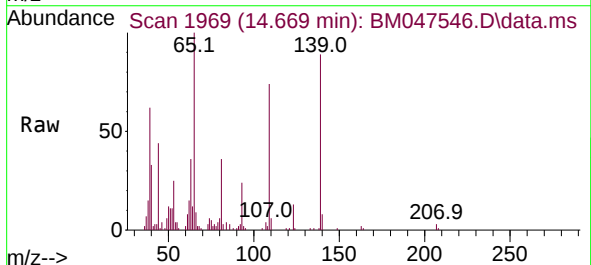
Manual Integrations
APPROVED

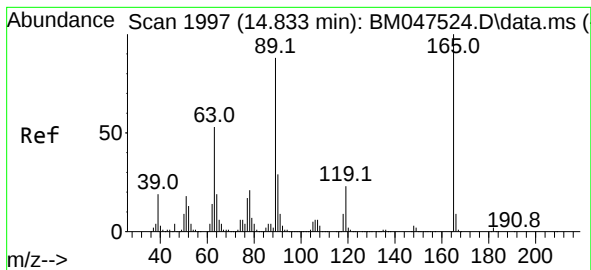
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#56
4-Nitrophenol
Concen: 2.584 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

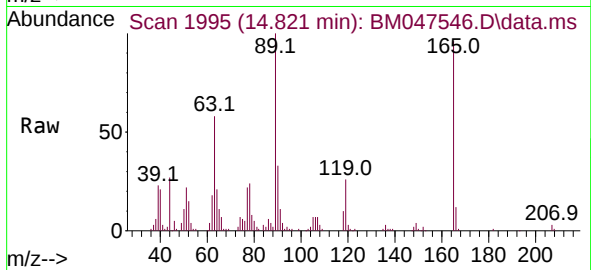
Tgt Ion:139 Resp: 34474
Ion Ratio Lower Upper
139 100
109 83.9 62.0 102.0
65 112.9 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 2.588 ng
RT: 14.821 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

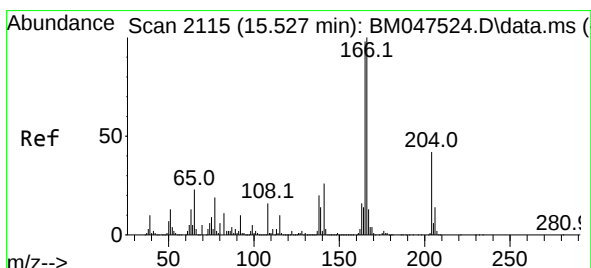
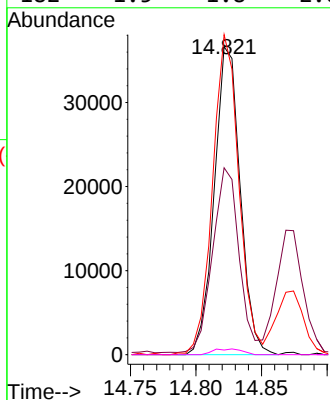
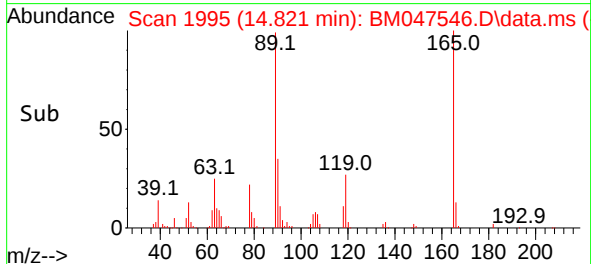
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:	165	Resp:	50349
Ion Ratio	Lower	Upper	
165	100		
63	60.7	42.4	63.6
89	103.9	70.5	105.7
182	1.5	1.8	2.6#

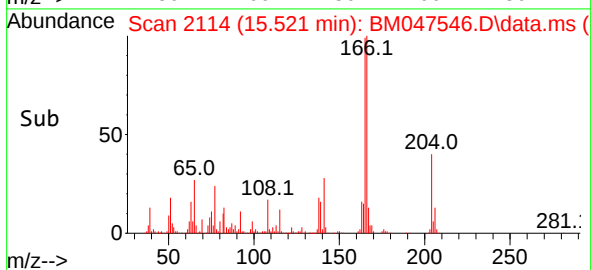
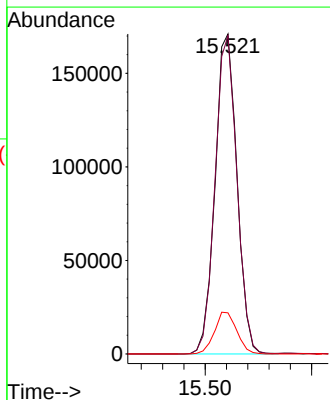
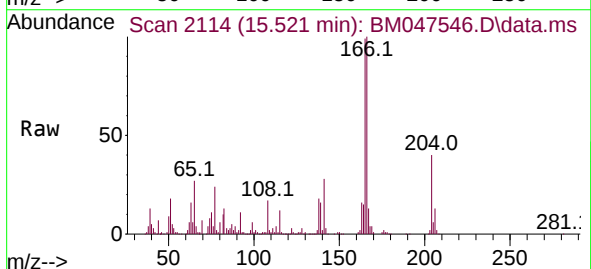
Manual Integrations
APPROVED

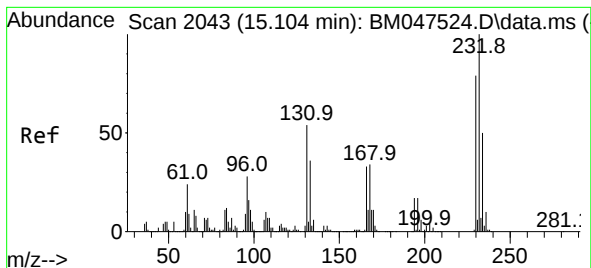
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#58
Fluorene
Concen: 3.111 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

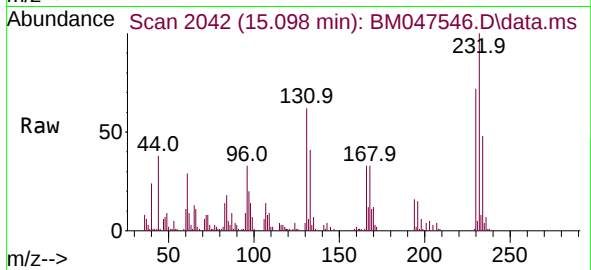
Tgt Ion:	166	Resp:	243720
Ion Ratio	Lower	Upper	
166	100		
165	99.4	78.6	117.8
167	12.8	10.7	16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 2.973 ng
RT: 15.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

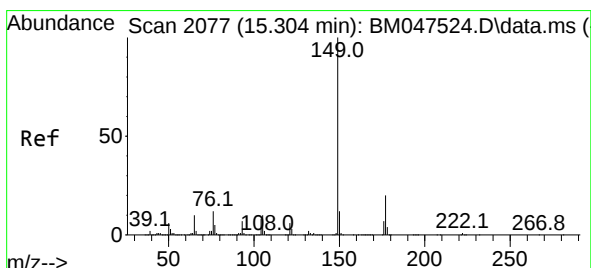
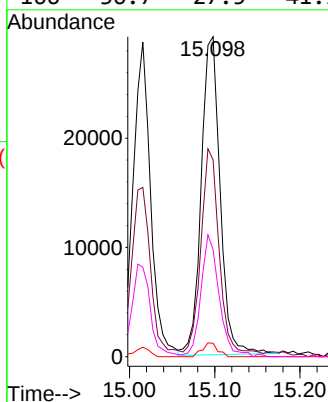
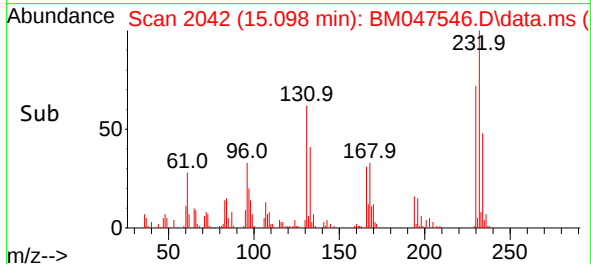
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:232 Resp: 44994
Ion Ratio Lower Upper
232 100
131 64.6 47.0 70.4
130 3.5 2.6 3.8
166 36.7 27.5 41.3

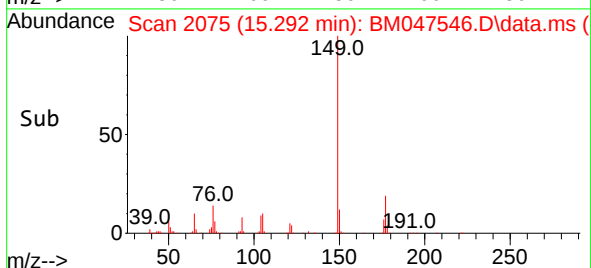
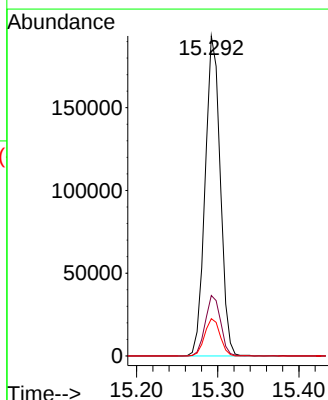
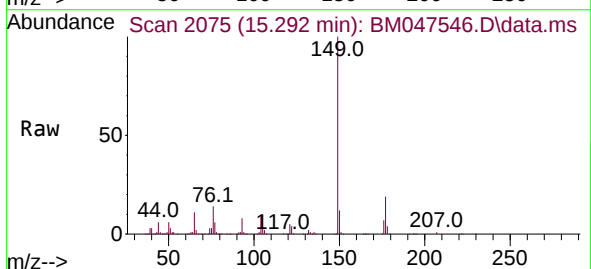
Manual Integrations
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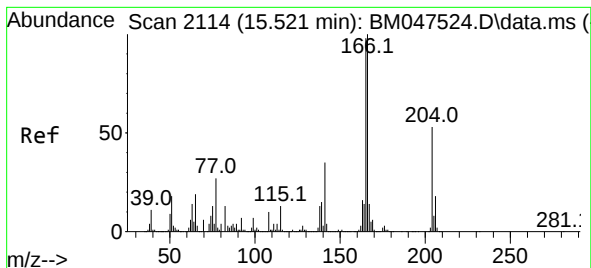
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#60
Diethylphthalate
Concen: 3.395 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

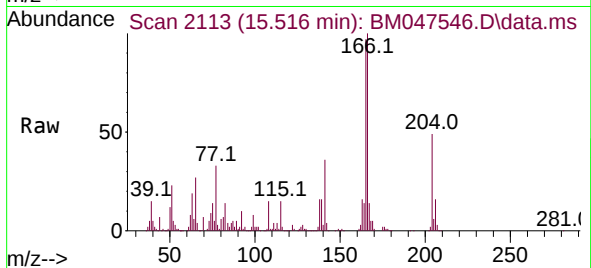
Tgt Ion:149 Resp: 249653
Ion Ratio Lower Upper
149 100
177 18.9 15.8 23.8
150 11.7 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 2.992 ng
RT: 15.516 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

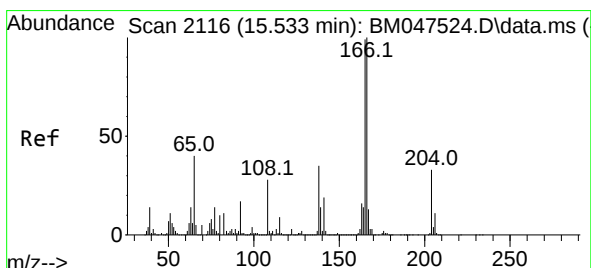
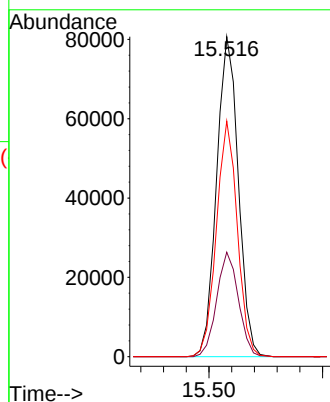
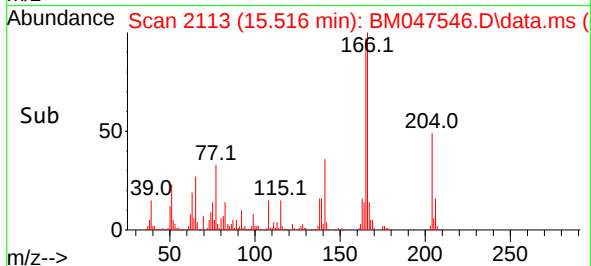
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:204 Resp: 107190
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 73.6 52.1 78.1

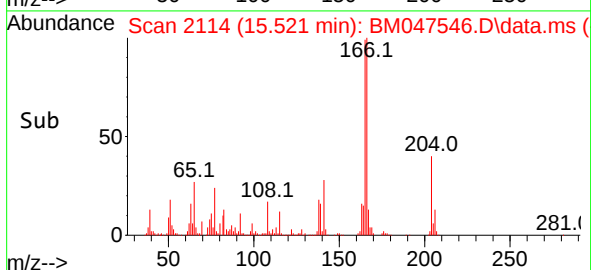
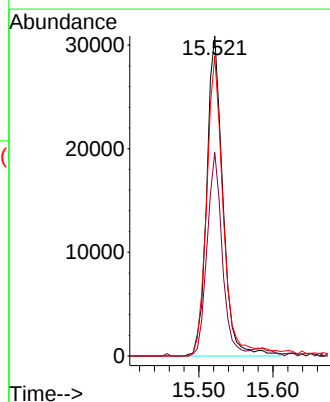
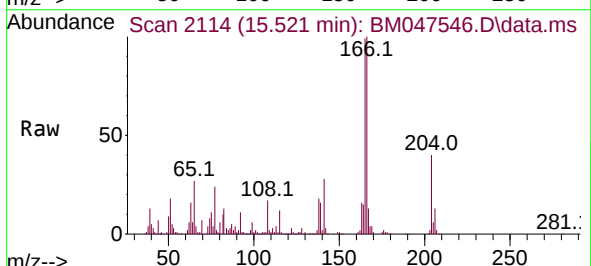
Manual Integrations
APPROVED

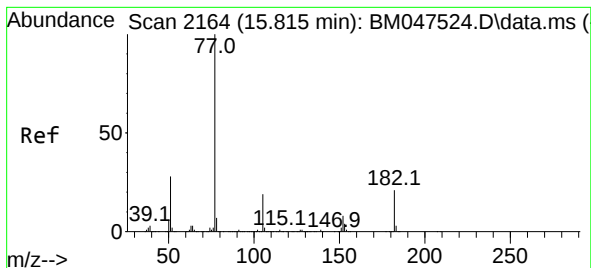
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#62
4-Nitroaniline
Concen: 2.443 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:138 Resp: 46567
Ion Ratio Lower Upper
138 100
92 63.6 30.0 70.0
108 93.8 61.7 101.7





#63

Azobenzene

Concen: 3.658 ng

RT: 15.810 min Scan# 2163

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 77 Resp: 296215

Ion Ratio Lower Upper

77 100

182 18.1 1.2 41.2

105 18.6 0.0 39.4

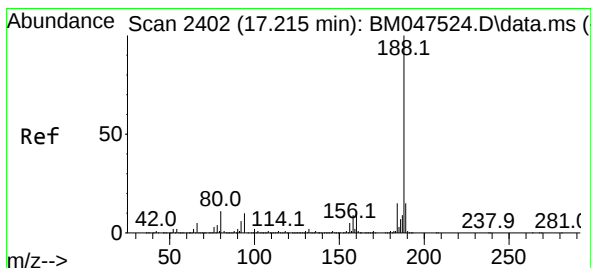
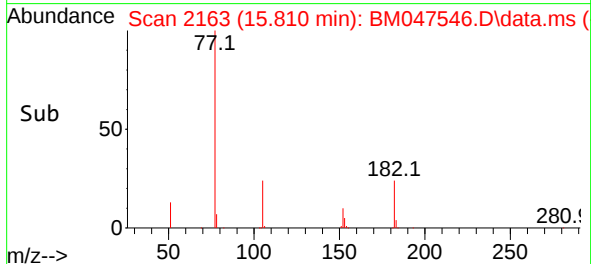
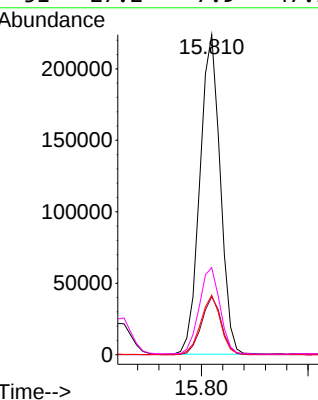
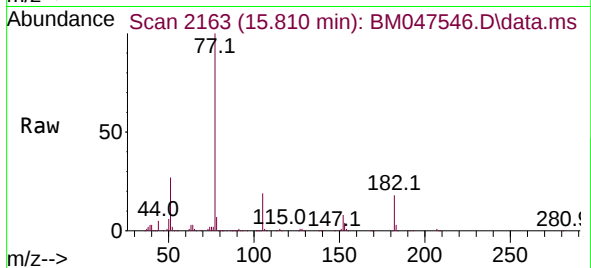
51 27.2 7.9 47.9

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: BM047546.D

Acq: 17 Sep 2024 16:27

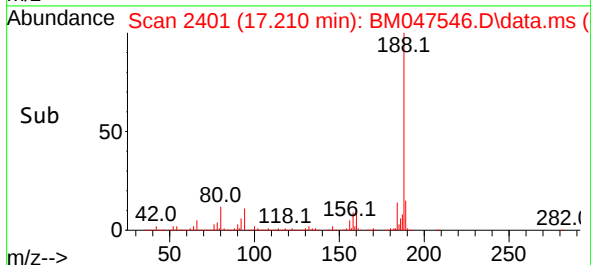
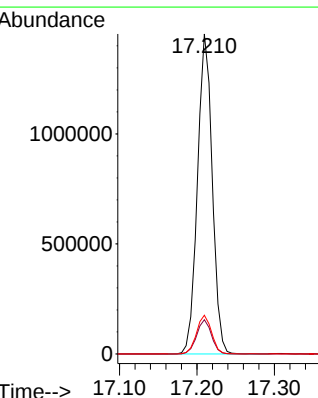
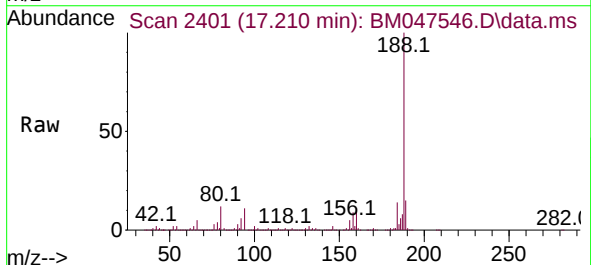
Tgt Ion:188 Resp: 1928830

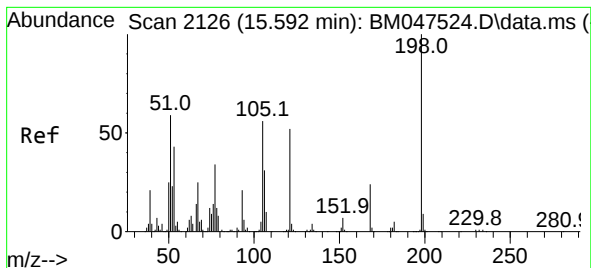
Ion Ratio Lower Upper

188 100

94 10.7 8.4 12.6

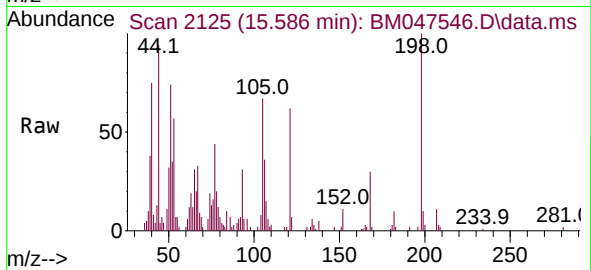
80 12.1 9.1 13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 8.604 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

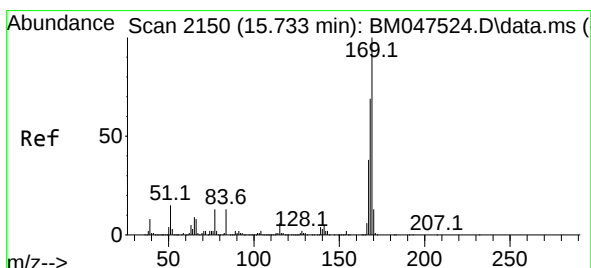
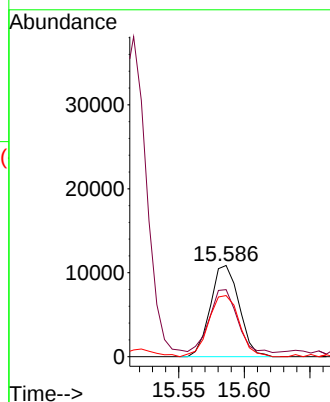
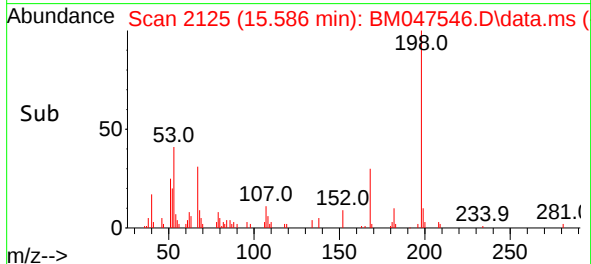
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



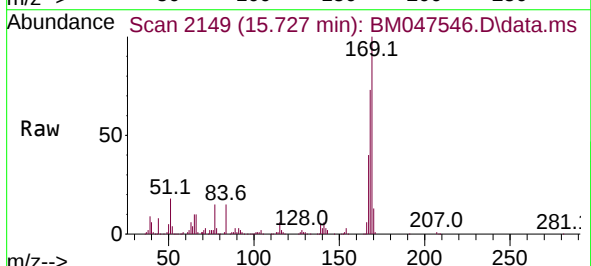
Tgt Ion:198 Resp: 16540
Ion Ratio Lower Upper
198 100
51 73.6 41.5 81.5
105 67.0 36.4 76.4

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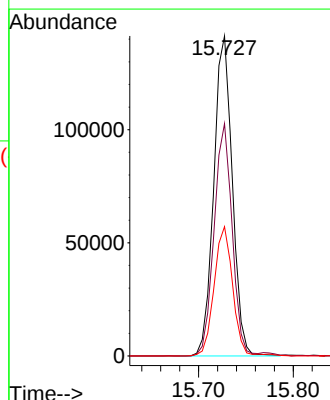
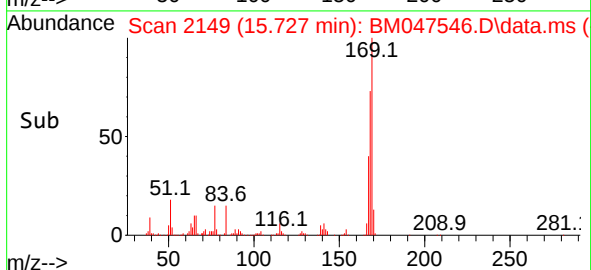
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

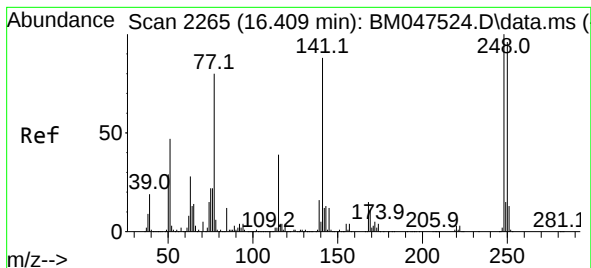


#66
n-Nitrosodiphenylamine
Concen: 3.262 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



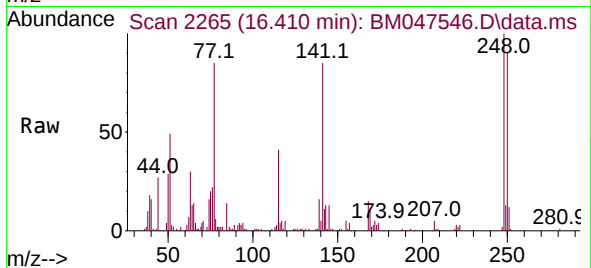
Tgt Ion:169 Resp: 192466
Ion Ratio Lower Upper
169 100
168 72.6 55.3 82.9
167 40.4 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 3.097 ng
RT: 16.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

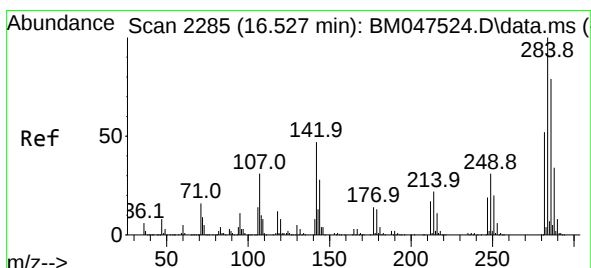
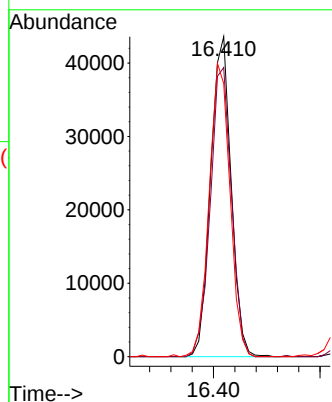
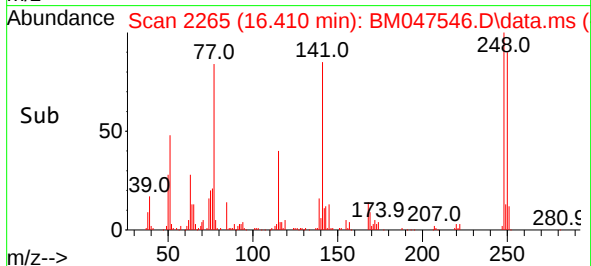
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



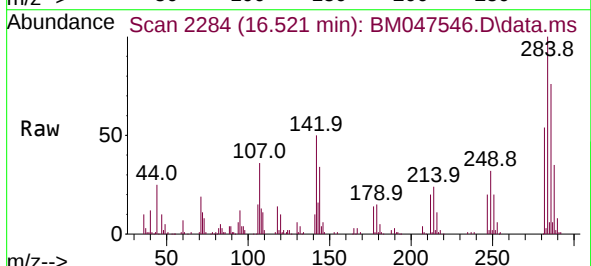
Tgt Ion:248 Resp: 5803
Ion Ratio Lower Upper
248 100
250 90.3 76.9 115.3
141 85.4 70.8 106.2

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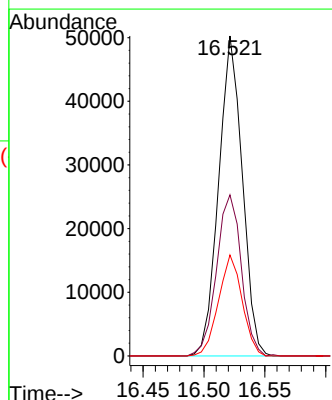
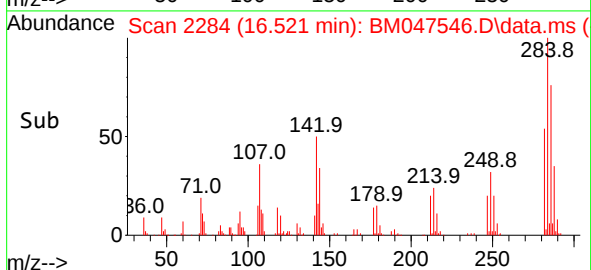
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

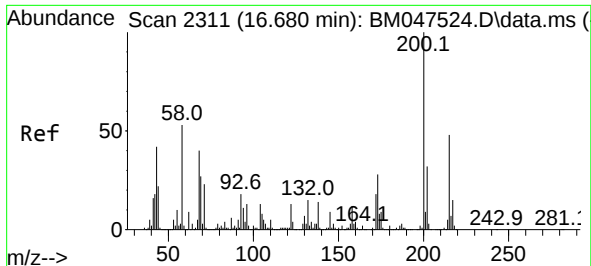


#68
Hexachlorobenzene
Concen: 3.197 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



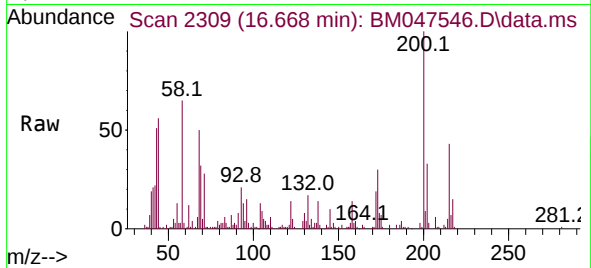
Tgt Ion:284 Resp: 67880
Ion Ratio Lower Upper
284 100
142 50.4 37.3 55.9
249 31.5 24.5 36.7





#69
Atrazine
Concen: 3.202 ng
RT: 16.668 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

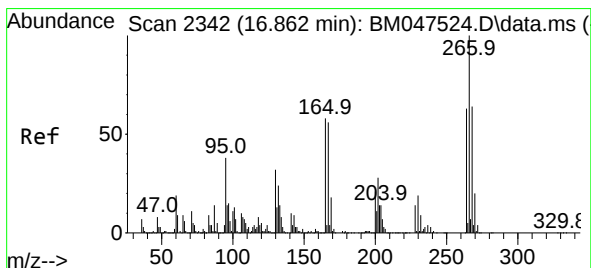
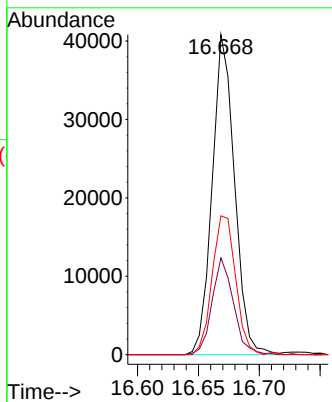
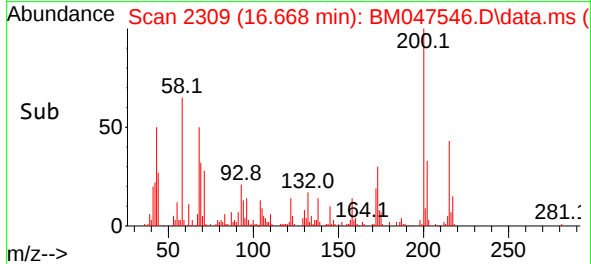
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:200 Resp: 52220
Ion Ratio Lower Upper
200 100
173 30.2 7.7 47.7
215 43.4 27.9 67.9

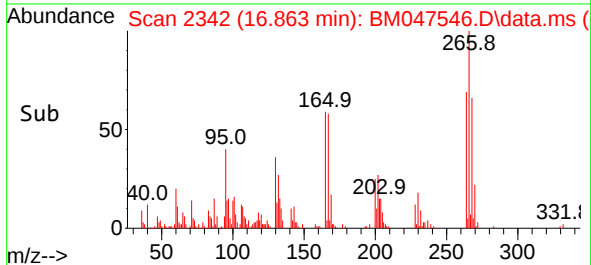
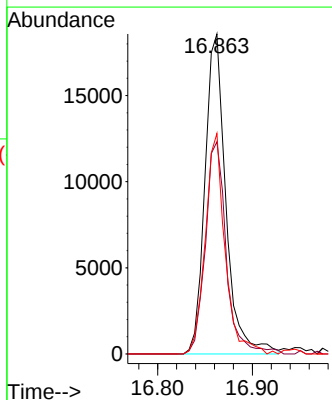
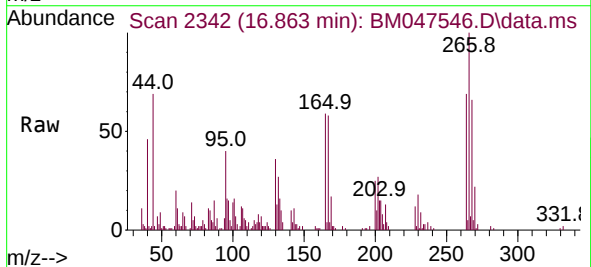
Manual Integrations
APPROVED

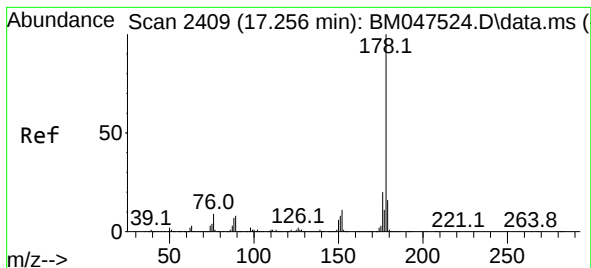
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#70
Pentachlorophenol
Concen: 2.319 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:266 Resp: 28547
Ion Ratio Lower Upper
266 100
268 71.8 51.0 76.4
264 68.9 50.4 75.6





#71

Phenanthrene

Concen: 3.386 ng

RT: 17.251 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

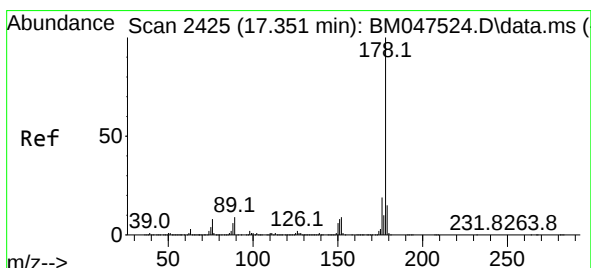
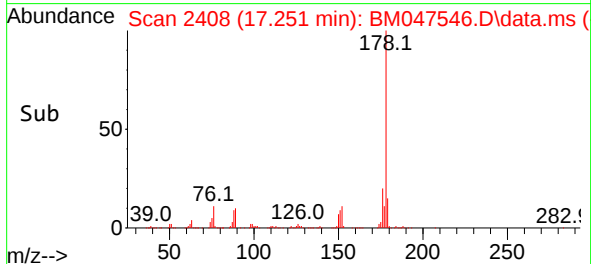
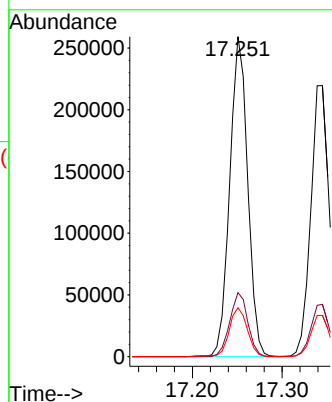
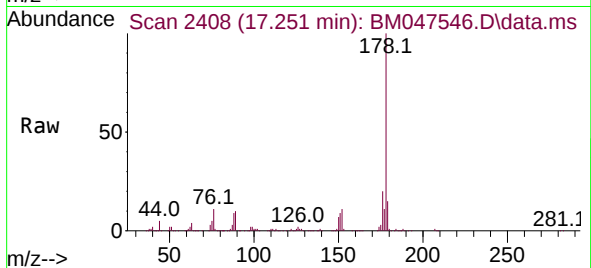
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:178	Resp: 359929
Ion Ratio	Lower Upper
178 100	
176 20.0	16.0 24.0
179 15.3	12.4 18.6

Manual Integrations

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



#72

Anthracene

Concen: 3.116 ng

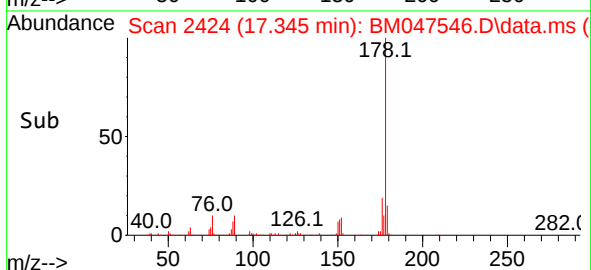
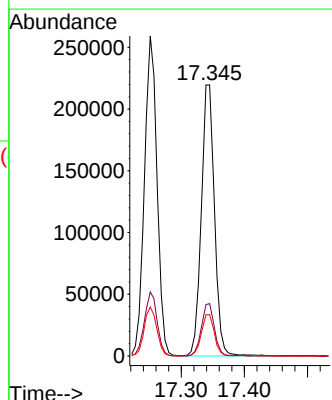
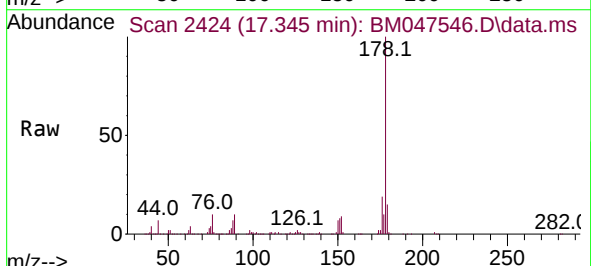
RT: 17.345 min Scan# 2424

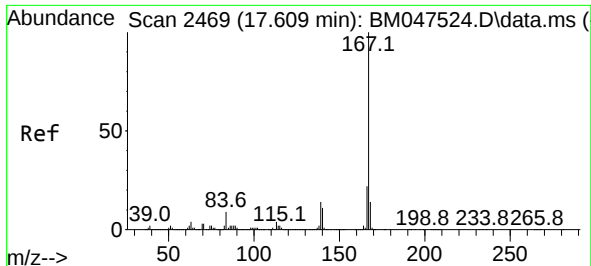
Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

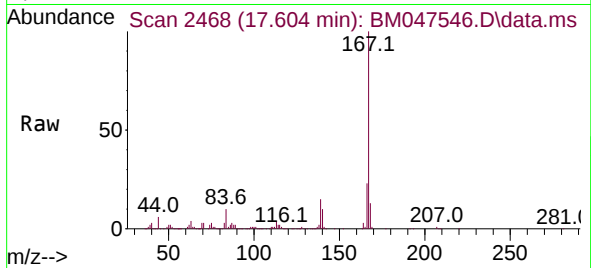
Tgt Ion:178	Resp: 318220
Ion Ratio	Lower Upper
178 100	
176 19.3	15.4 23.0
179 15.2	12.3 18.5





#73
Carbazole
Concen: 3.189 ng
RT: 17.604 min Scan# 2469
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

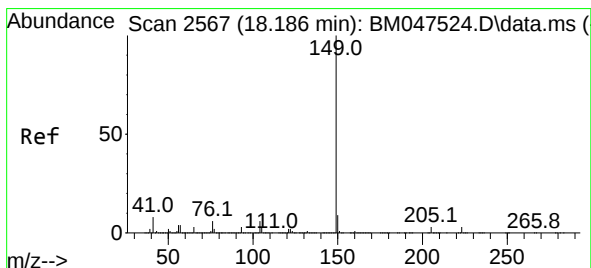
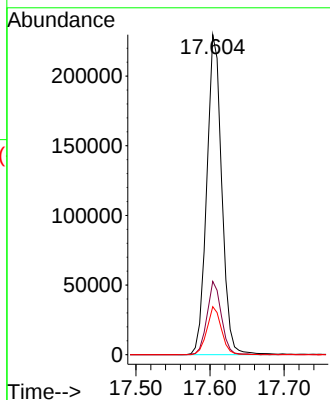
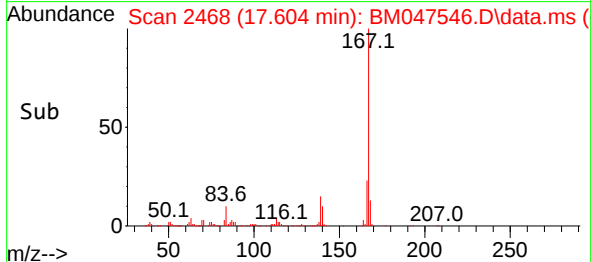
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



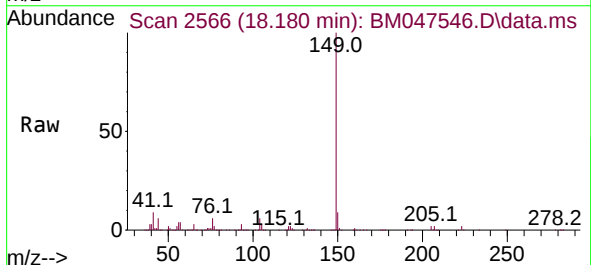
Tgt Ion:167 Resp: 32279
Ion Ratio Lower Upper
167 100
166 22.9 17.8 26.8
139 15.0 11.0 16.6

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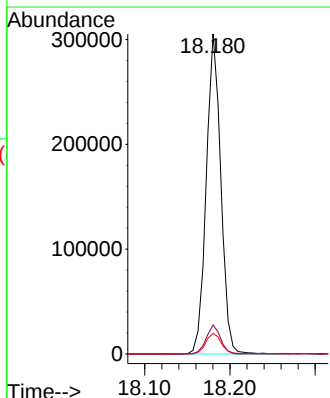
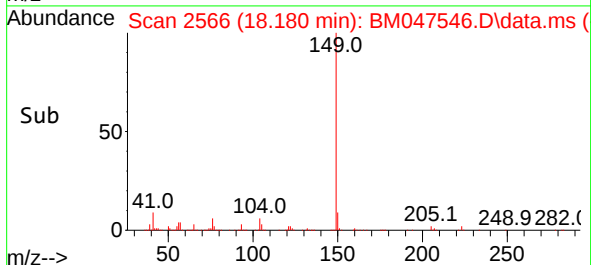
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

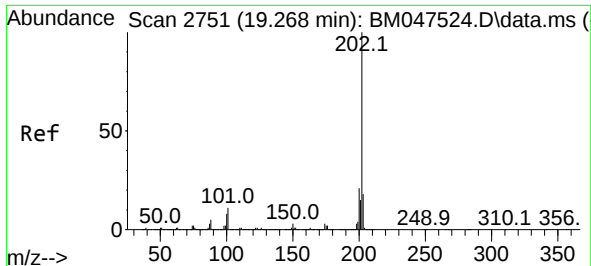


#74
Di-n-butylphthalate
Concen: 2.990 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



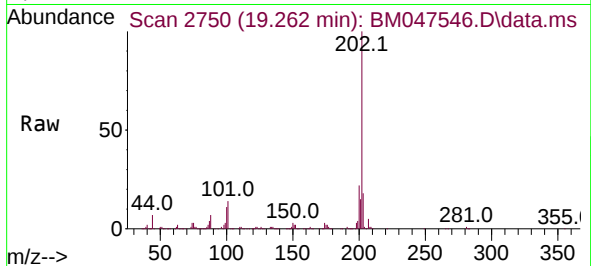
Tgt Ion:149 Resp: 362060
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 6.4 4.6 6.8





#75
Fluoranthene
Concen: 2.936 ng
RT: 19.262 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

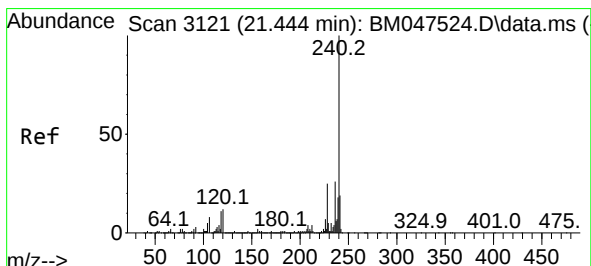
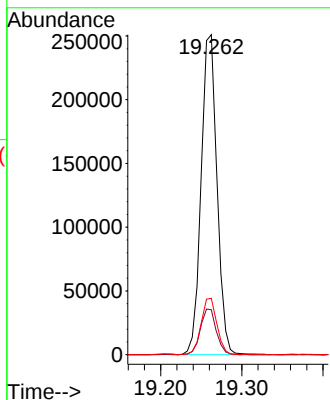
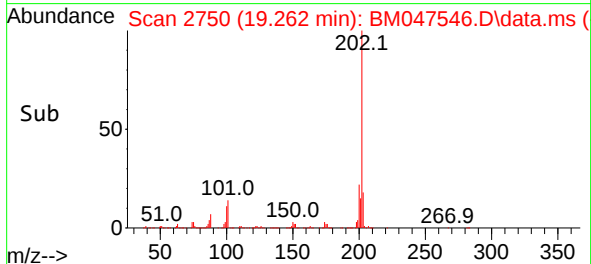
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:202 Resp: 340540
Ion Ratio Lower Upper
202 100
101 14.1 0.0 30.8
203 17.6 0.0 37.7

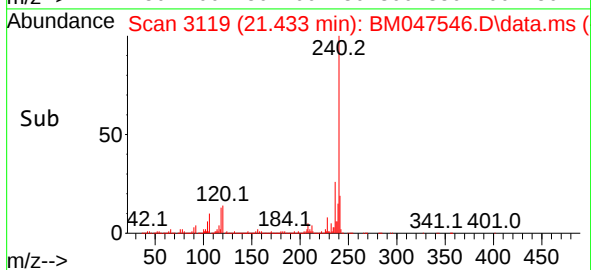
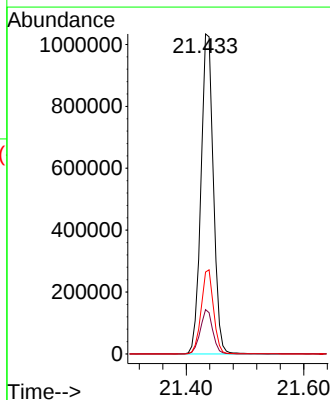
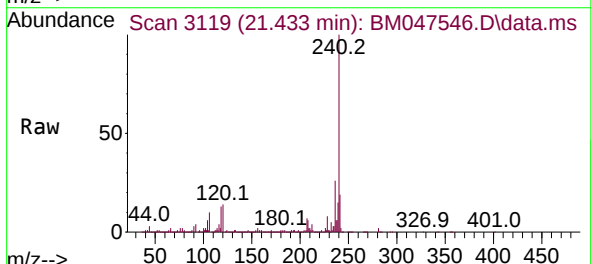
Manual Integrations
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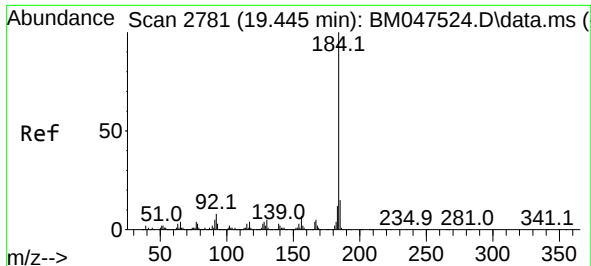
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

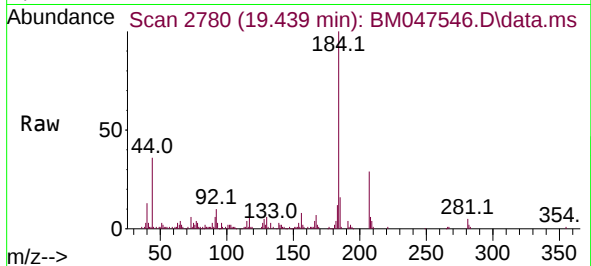
Tgt Ion:240 Resp: 1514587
Ion Ratio Lower Upper
240 100
120 13.9 9.6 14.4
236 25.6 20.9 31.3





#77
Benzidine
Concen: 3.776 ng
RT: 19.439 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

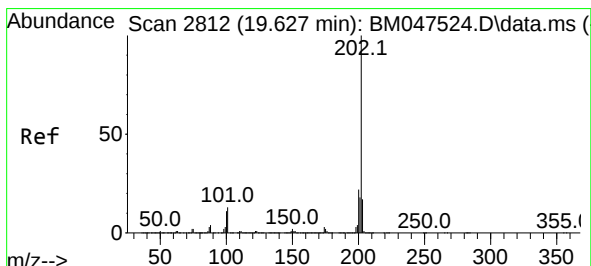
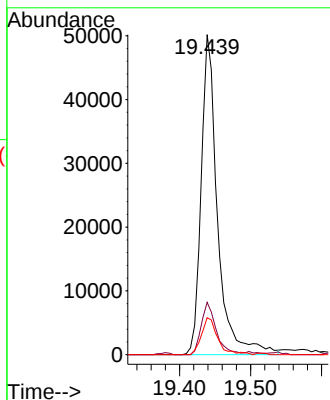
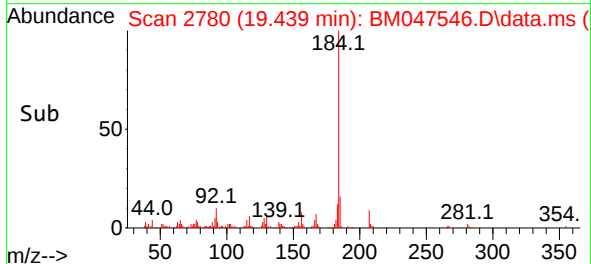
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



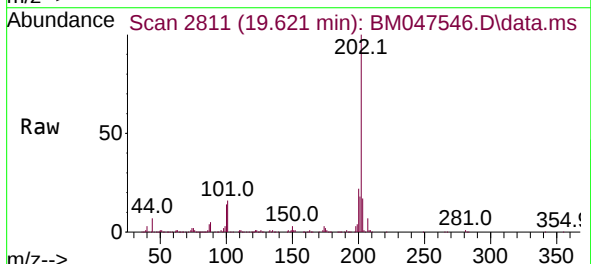
Tgt Ion:184 Resp: 8054
Ion Ratio Lower Upper
184 100
185 16.3 12.2 18.2
183 11.6 9.6 14.4

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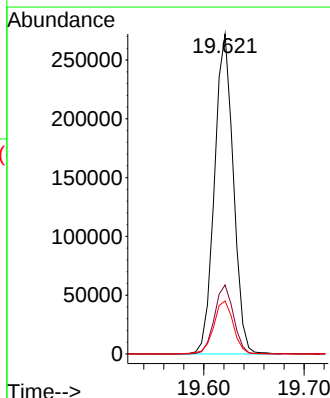
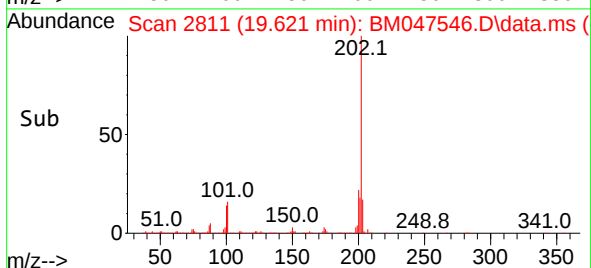
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

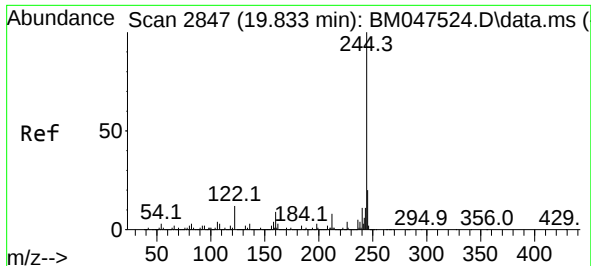


#78
Pyrene
Concen: 3.213 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27



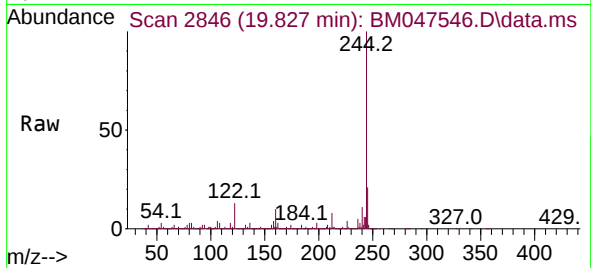
Tgt Ion:202 Resp: 354991
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 16.6 14.0 21.0





#79
 Terphenyl-d14
 Concen: 94.969 ng
 RT: 19.827 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM047546.D
 Acq: 17 Sep 2024 16:27

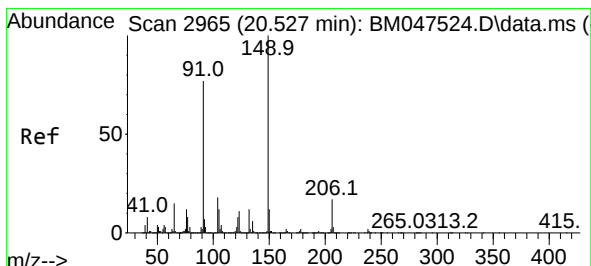
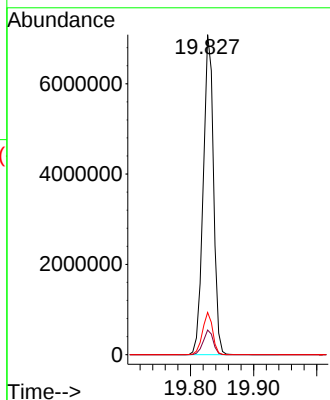
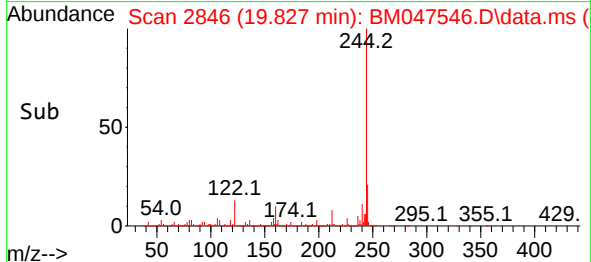
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:244 Resp: 8026979
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 13.2 9.6 14.4

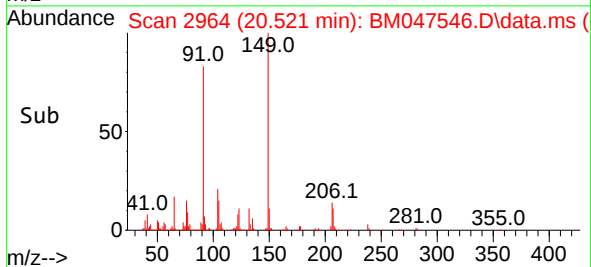
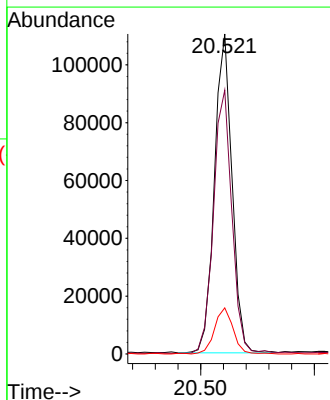
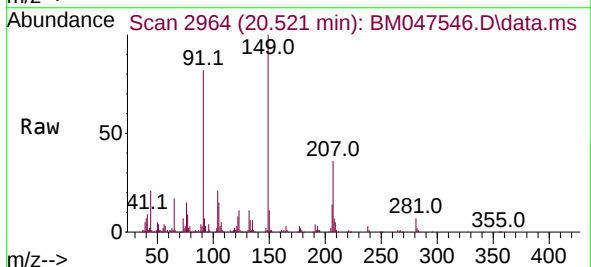
Manual Integrations
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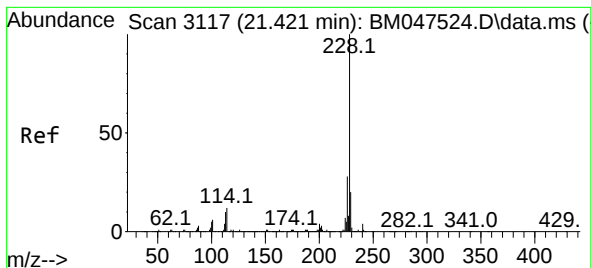
Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024



#80
 Butylbenzylphthalate
 Concen: 2.790 ng
 RT: 20.521 min Scan# 2964
 Delta R.T. -0.006 min
 Lab File: BM047546.D
 Acq: 17 Sep 2024 16:27

Tgt Ion:149 Resp: 118673
 Ion Ratio Lower Upper
 149 100
 91 82.5 62.0 93.0
 206 14.4 13.8 20.8





#81

Benzo(a)anthracene

Concen: 3.524 ng

RT: 21.415 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM047546.D

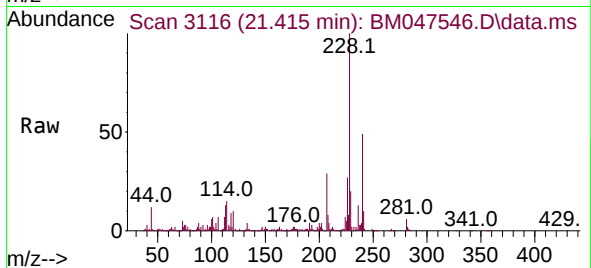
Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:228 Resp: 347869

Ion Ratio Lower Upper

228 100

226 26.9 22.4 33.6

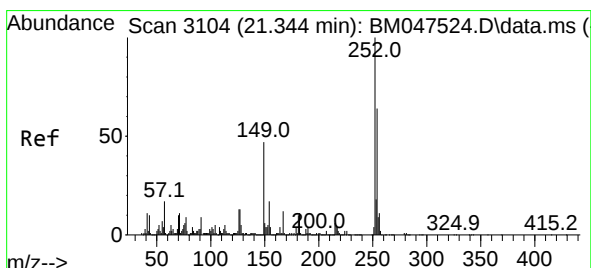
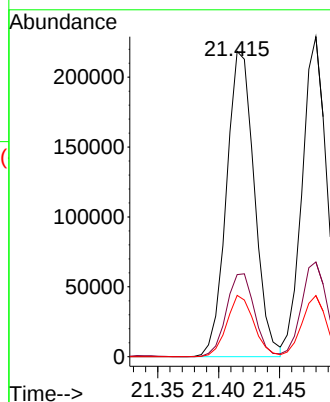
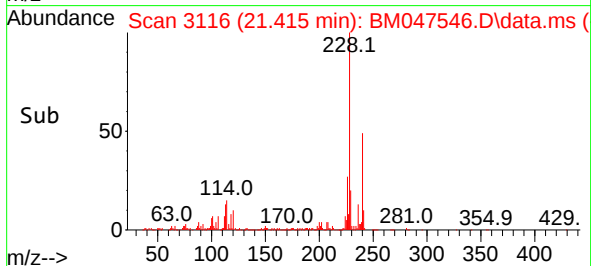
229 20.1 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#82

3,3'-Dichlorobenzidine

Concen: 3.190 ng

RT: 21.339 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

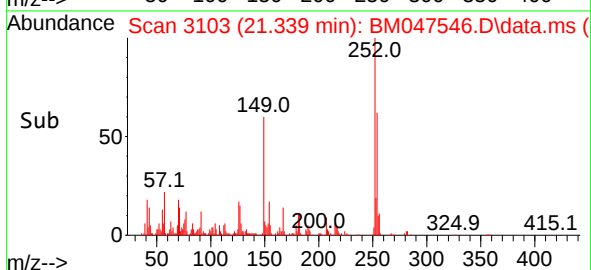
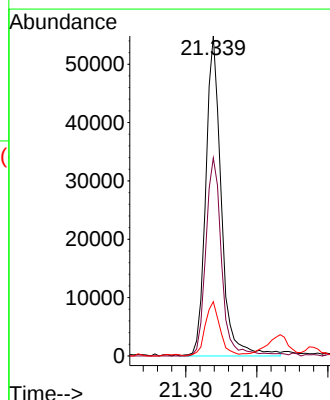
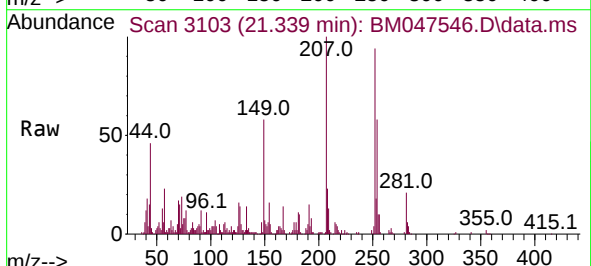
Tgt Ion:252 Resp: 83769

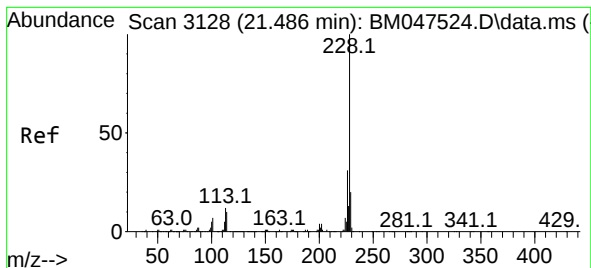
Ion Ratio Lower Upper

252 100

254 61.9 51.5 77.3

126 17.0 10.3 15.5#





#83

Chrysene

Concen: 3.477 ng

RT: 21.480 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

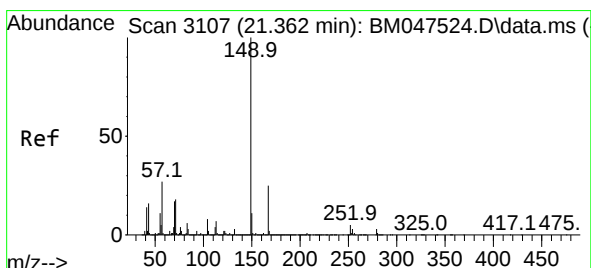
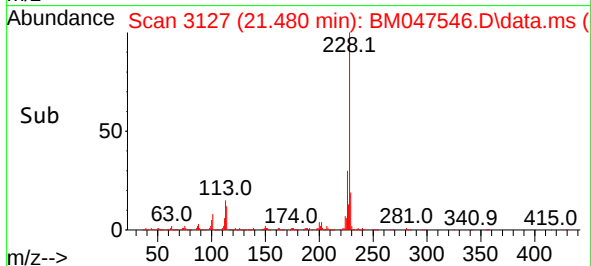
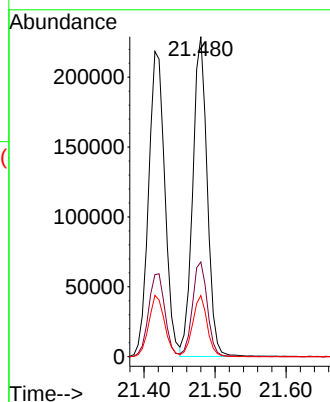
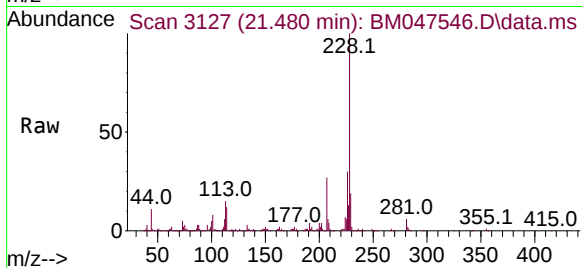
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:228 Resp: 324688
 Ion Ratio Lower Upper
 228 100
 226 29.6 25.0 37.6
 229 19.1 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: 2.993 ng

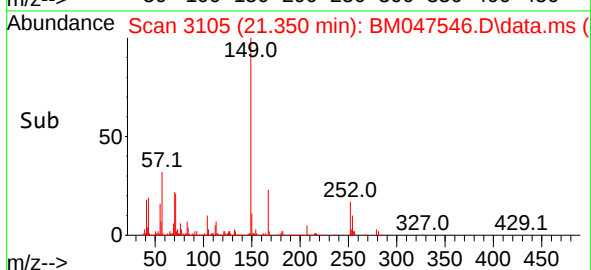
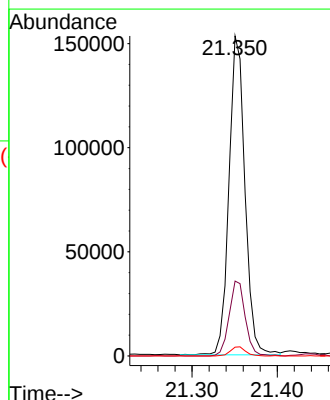
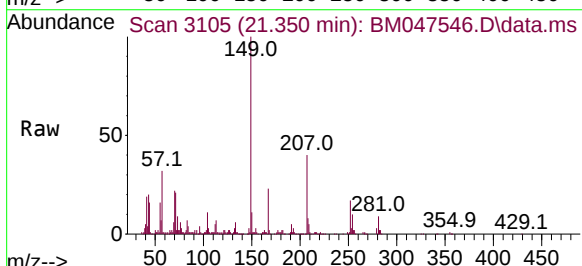
RT: 21.350 min Scan# 3105

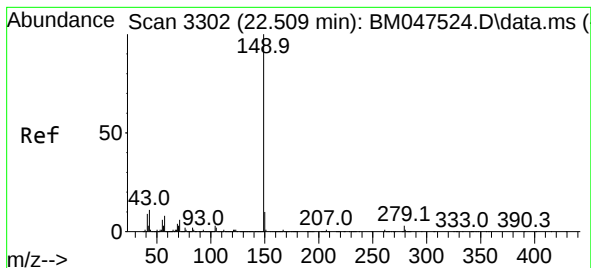
Delta R.T. -0.012 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Tgt Ion:149 Resp: 199409
 Ion Ratio Lower Upper
 149 100
 167 23.4 20.2 30.4
 279 2.7 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 2.935 ng

RT: 22.497 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM047546.D

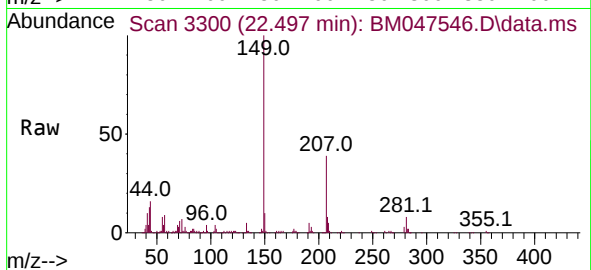
Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:149 Resp: 27663

Ion Ratio Lower Upper

149 100

167 1.7 1.1 1.7

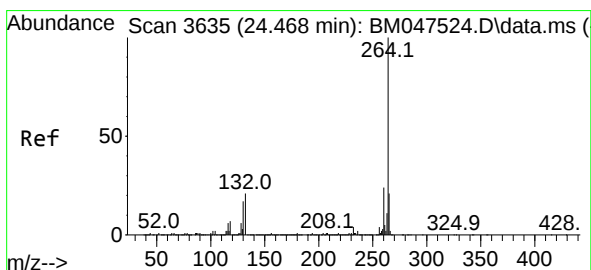
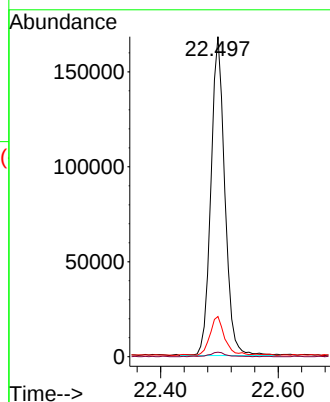
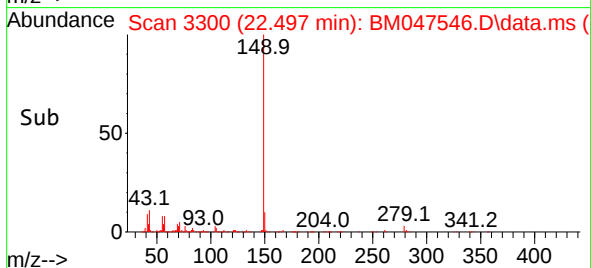
43 12.7 8.9 13.3

Manual Integrations

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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: BM047546.D

Acq: 17 Sep 2024 16:27

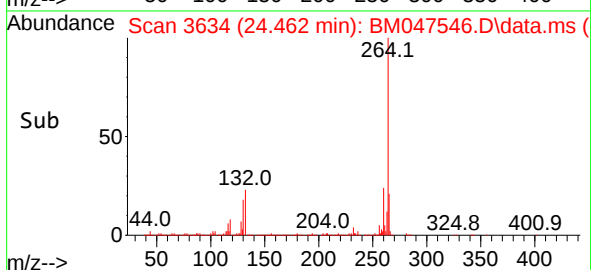
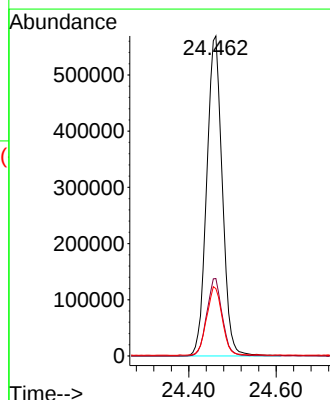
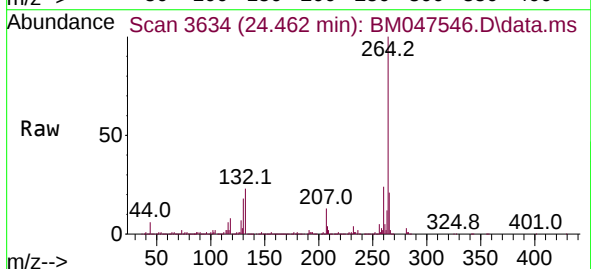
Tgt Ion:264 Resp: 1411706

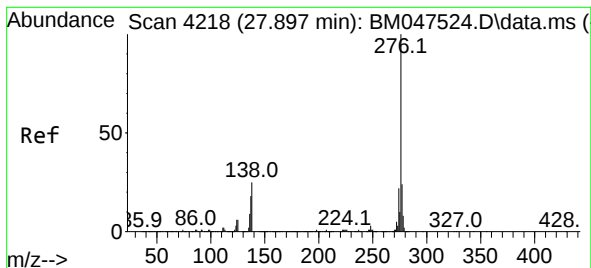
Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

265 21.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.447 ng

RT: 27.874 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM047546.D

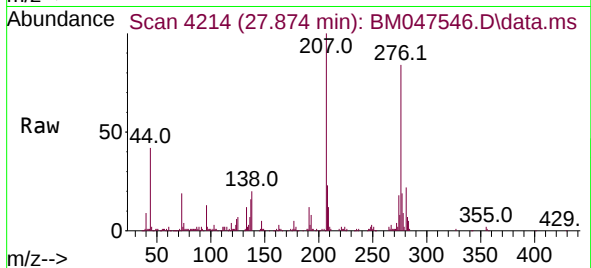
Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:276 Resp: 29117

Ion Ratio Lower Upper

276 100

138 34.5 25.0 37.6

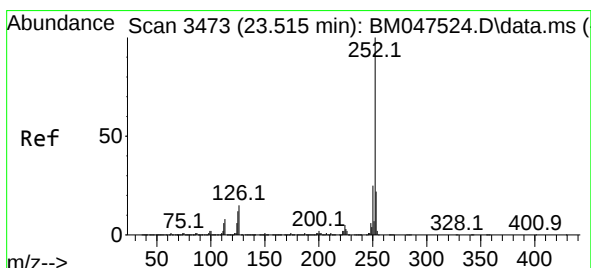
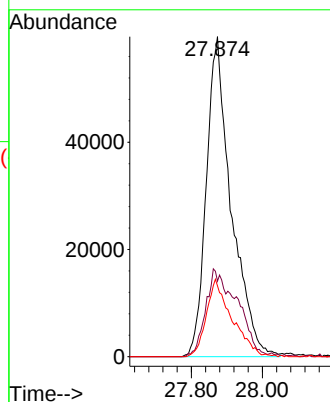
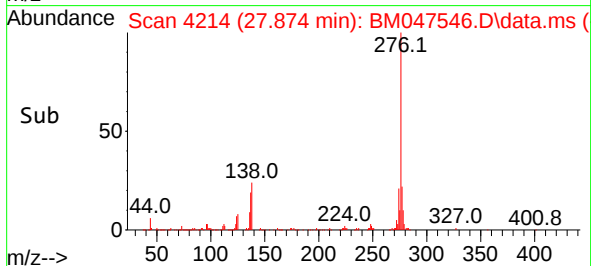
277 24.7 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#88

Benzo(b)fluoranthene

Concen: 3.229 ng

RT: 23.503 min Scan# 3471

Delta R.T. -0.012 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

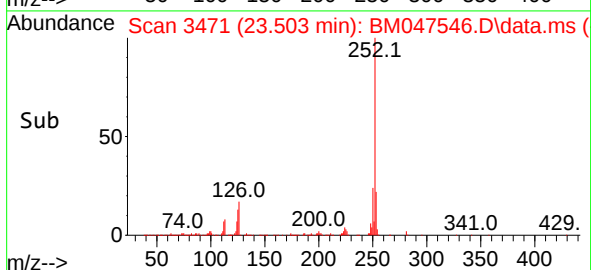
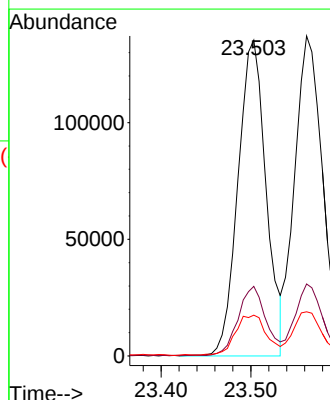
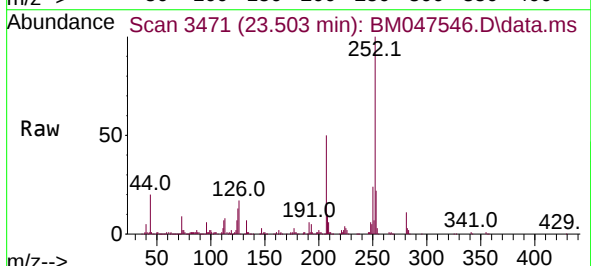
Tgt Ion:252 Resp: 294898

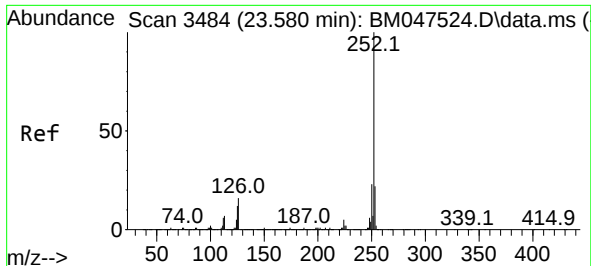
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

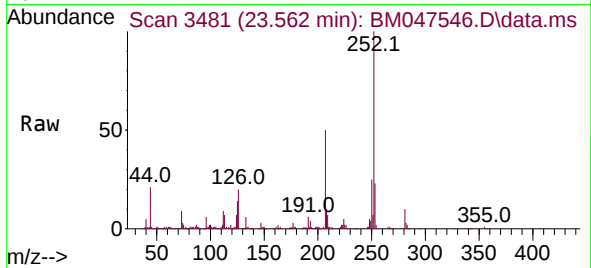
125 12.9 9.5 14.3





#89
Benzo(k)fluoranthene
Concen: 3.305 ng
RT: 23.562 min Scan# 3484
Delta R.T. -0.017 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

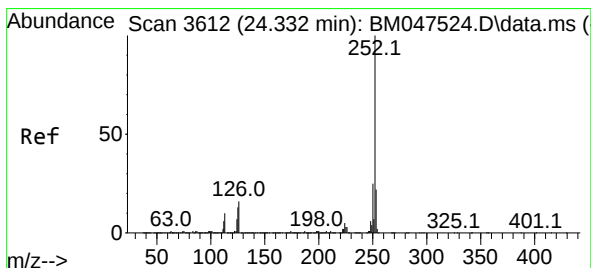
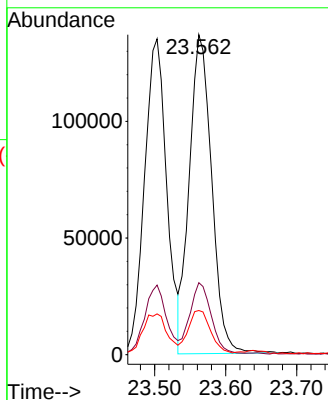
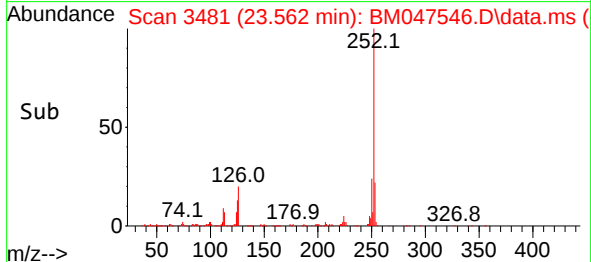
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:252 Resp: 299139
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 13.8 9.5 14.3

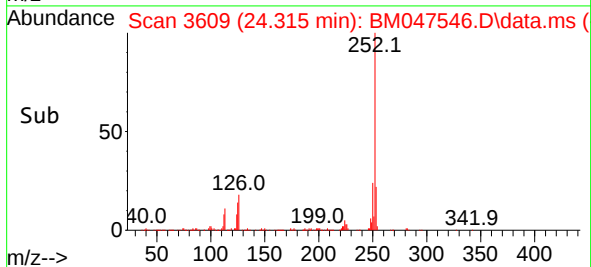
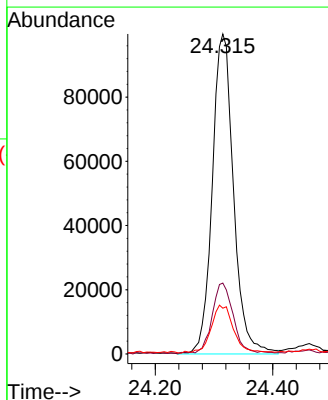
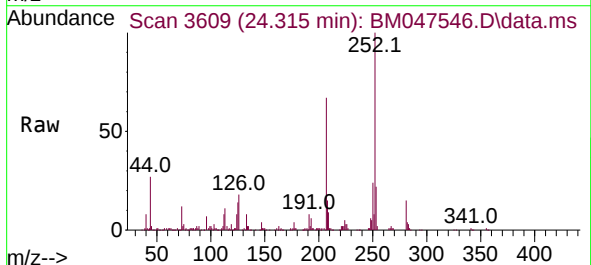
Manual Integrations
APPROVED

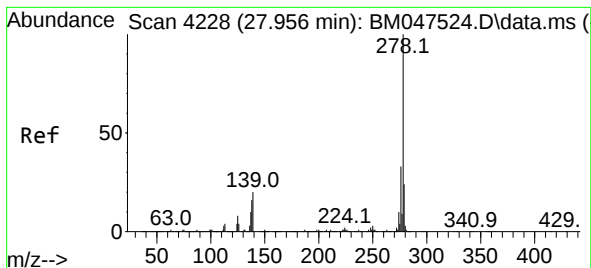
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#90
Benzo(a)pyrene
Concen: 3.345 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.017 min
Lab File: BM047546.D
Acq: 17 Sep 2024 16:27

Tgt Ion:252 Resp: 250412
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 14.3 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 3.330 ng

RT: 27.927 min Scan# 4394

Delta R.T. -0.029 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Instrument :

BNA_M

ClientSampleId :

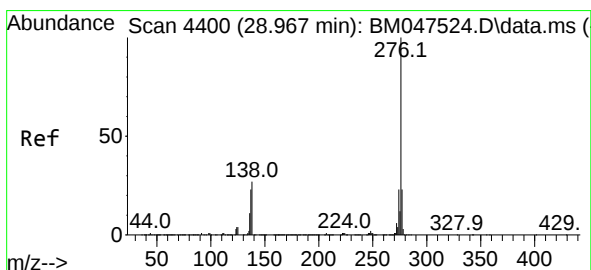
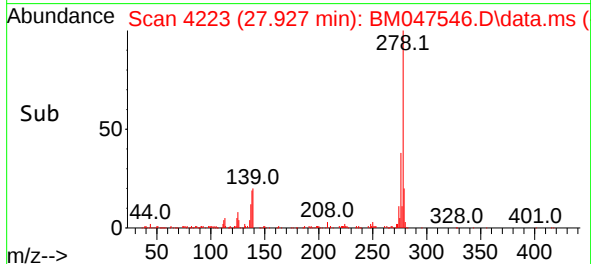
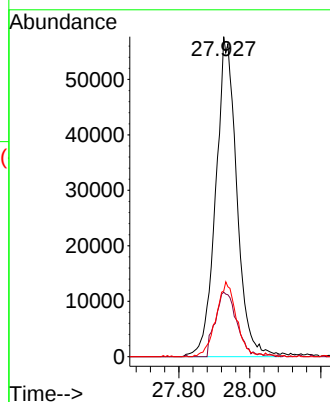
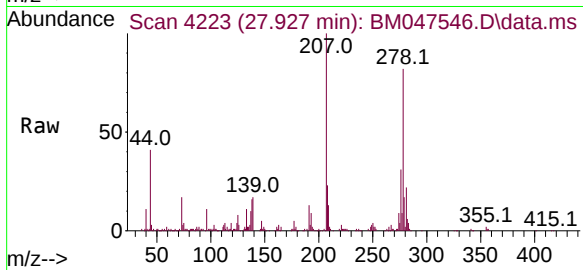
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:278 Resp: 236720
 Ion Ratio Lower Upper
 278 100
 139 20.2 15.9 23.9
 279 20.5 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: 3.172 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.035 min

Lab File: BM047546.D

Acq: 17 Sep 2024 16:27

Tgt Ion:276 Resp: 220226
 Ion Ratio Lower Upper
 276 100
 277 25.5 18.6 28.0
 138 29.4 21.5 32.3

