

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047159.D
 Acq On : 12 Aug 2024 17:28
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-5NG
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 12 18:06:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	253997	20.000	ng	0.00
21) Naphthalene-d8	10.127	136	1065262	20.000	ng	0.00
39) Acenaphthene-d10	14.033	164	719266	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1582517	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1533970	20.000	ng	0.00
86) Perylene-d12	23.727	264	1738821	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1320829	92.919	ng	0.00
7) Phenol-d6	6.581	99	1816989	92.766	ng	0.00
23) Nitrobenzene-d5	8.522	82	1667239	78.808	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	827845	99.262	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	3646446	78.201	ng	0.00
79) Terphenyl-d14	19.462	244	6181461	86.347	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	30093	5.109	ng	99
3) Pyridine	3.416	79	78913	4.569	ng	96
4) n-Nitrosodimethylamine	3.334	42	37509	4.971	ng	# 88
6) Aniline	6.722	93	115611	6.245	ng	99
8) 2-Chlorophenol	6.945	128	77879	5.023	ng	95
9) Benzaldehyde	6.539	77	74697m	4.965	ng	
10) Phenol	6.604	94	97257	4.976	ng	91
11) bis(2-Chloroethyl)ether	6.822	93	86757	5.183	ng	99
12) 1,3-Dichlorobenzene	7.263	146	92648	5.029	ng	99
13) 1,4-Dichlorobenzene	7.410	146	95691	5.130	ng	99
14) 1,2-Dichlorobenzene	7.716	146	91067	5.174	ng	96
15) Benzyl Alcohol	7.622	79	76493	5.487	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.910	45	116724	5.435	ng	98
17) 2-Methylphenol	7.828	107	62534	4.796	ng	98
18) Hexachloroethane	8.428	117	35209	4.873	ng	96
19) n-Nitroso-di-n-propyla...	8.181	70	71856	5.446	ng	97
20) 3+4-Methylphenols	8.157	107	88734	4.868	ng	97
22) Acetophenone	8.192	105	138336	5.380	ng	# 95
24) Nitrobenzene	8.557	77	110772	5.200	ng	99
25) Isophorone	9.086	82	189210	5.137	ng	99
26) 2-Nitrophenol	9.263	139	39430	4.179	ng	97
27) 2,4-Dimethylphenol	9.339	122	46775	4.233	ng	97
28) bis(2-Chloroethoxy)met...	9.575	93	118526	5.114	ng	99
29) 2,4-Dichlorophenol	9.798	162	75826	4.624	ng	99
30) 1,2,4-Trichlorobenzene	9.998	180	89033	4.798	ng	98
31) Naphthalene	10.175	128	270019	5.088	ng	98
32) Benzoic acid	9.433	122	41483m	3.231	ng	
33) 4-Chloroaniline	10.310	127	108213	5.303	ng	98
34) Hexachlorobutadiene	10.463	225	47862	4.407	ng	99
35) Caprolactam	11.086	113	26795m	4.705	ng	
36) 4-Chloro-3-methylphenol	11.445	107	81102	4.644	ng	96
37) 2-Methylnaphthalene	11.804	142	184246	4.876	ng	98
38) 1-Methylnaphthalene	12.027	142	186780	5.002	ng	98
40) 1,2,4,5-Tetrachloroben...	12.186	216	95936	4.890	ng	100
41) Hexachlorocyclopentadiene	12.163	237	16546	2.415	ng	94
43) 2,4,6-Trichlorophenol	12.445	196	61927	4.441	ng	99

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 Misc : LOQ-SOIL-5NG
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Instrument :
 BNA_M
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 LOQ-SOIL-02-QT3-2024

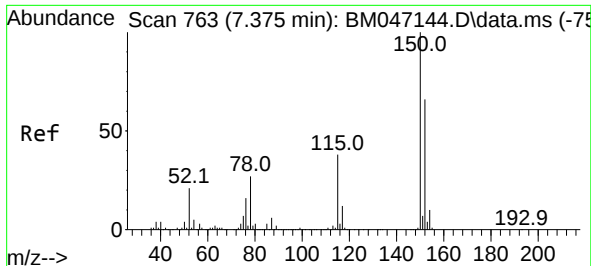
Quant Time: Aug 12 18:06:36 2024
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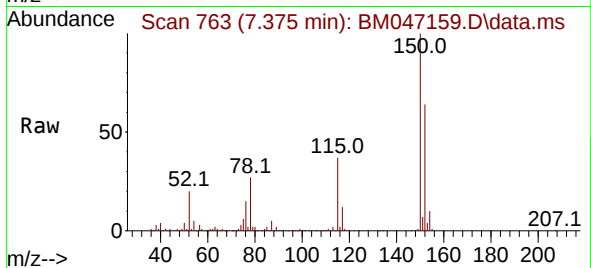
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.521	196	68891	4.450	ng	97
46) 1,1'-Biphenyl	12.851	154	265015	5.175	ng	99
47) 2-Chloronaphthalene	12.886	162	206476	5.159	ng	99
48) 2-Nitroaniline	13.110	65	56849	4.534	ng	92
49) Acenaphthylene	13.745	152	332860	5.642	ng	100
50) Dimethylphthalate	13.510	163	262043	5.216	ng	99
51) 2,6-Dinitrotoluene	13.621	165	53021	4.515	ng	94
52) Acenaphthene	14.092	154	196352	5.247	ng	98
53) 3-Nitroaniline	13.957	138	53356	4.534	ng	98
54) 2,4-Dinitrophenol	14.174	184	20914	2.972	ng	93
55) Dibenzofuran	14.433	168	327040	5.533	ng	99
56) 4-Nitrophenol	14.298	139	40930	4.034	ng	89
57) 2,4-Dinitrotoluene	14.421	165	67132	4.283	ng	# 80
58) Fluorene	15.092	166	261328	5.358	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.674	232	60939	4.789	ng	97
60) Diethylphthalate	14.892	149	260478	5.078	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	123114	5.302	ng	99
62) 4-Nitroaniline	15.127	138	49635m	4.282	ng	
63) Azobenzene	15.392	77	256798	5.280	ng	98
65) 4,6-Dinitro-2-methylph...	15.192	198	31168	3.364	ng	91
66) n-Nitrosodiphenylamine	15.315	169	220841	5.123	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	70673	4.634	ng	96
68) Hexachlorobenzene	16.098	284	89893	4.922	ng	97
69) Atrazine	16.286	200	75016	5.784	ng	98
70) Pentachlorophenol	16.451	266	44454	3.472	ng	98
71) Phenanthrene	16.833	178	432490	5.446	ng	100
72) Anthracene	16.927	178	379252	4.908	ng	99
73) Carbazole	17.203	167	390232	4.946	ng	100
74) Di-n-butylphthalate	17.792	149	440747	4.801	ng	99
75) Fluoranthene	18.868	202	480192	4.971	ng	99
77) Benzidine	19.074	184	111254	4.277	ng	98
78) Pyrene	19.233	202	503546	4.597	ng	99
80) Butylbenzylphthalate	20.174	149	191527	4.285	ng	97
81) Benzo(a)anthracene	21.009	228	504577	4.955	ng	99
82) 3,3'-Dichlorobenzidine	20.956	252	163956	5.146	ng	99
83) Chrysene	21.068	228	474445	4.911	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	289291	4.564	ng	98
85) Di-n-octyl phthalate	22.009	149	443883	4.120	ng	97
87) Indeno(1,2,3-cd)pyrene	26.709	276	558269	4.967	ng	98
88) Benzo(b)fluoranthene	22.880	252	509979	4.939	ng	98
89) Benzo(k)fluoranthene	22.938	252	485771	4.980	ng	99
90) Benzo(a)pyrene	23.597	252	423623	4.736	ng	99
91) Dibenzo(a,h)anthracene	26.768	278	468994	5.156	ng	98
92) Benzo(g,h,i)perylene	27.638	276	459610	4.867	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 763
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

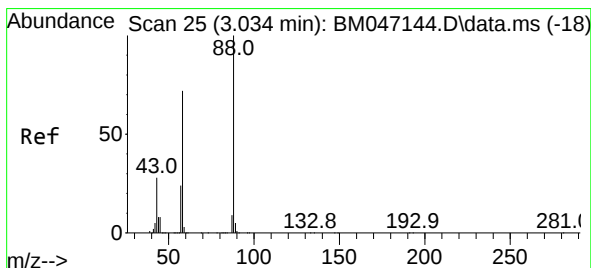
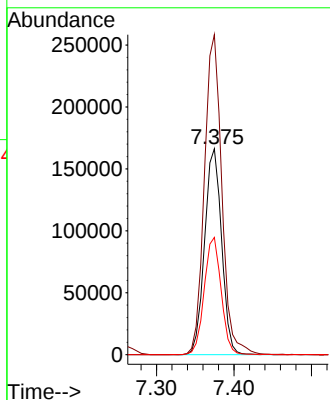
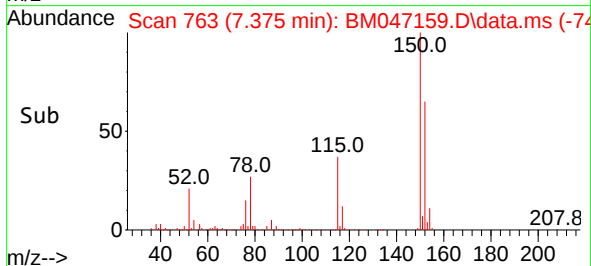
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



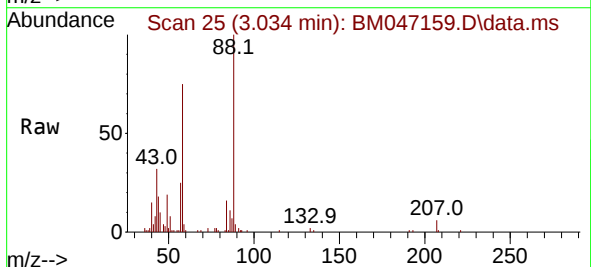
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Ion Ratio Lower Upper
152 100
150 155.4 120.5 180.7
115 56.9 45.5 68.3

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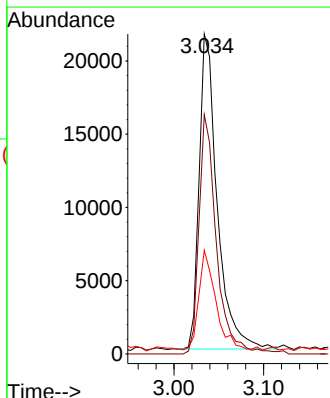
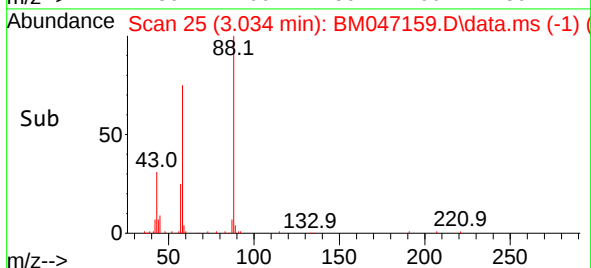
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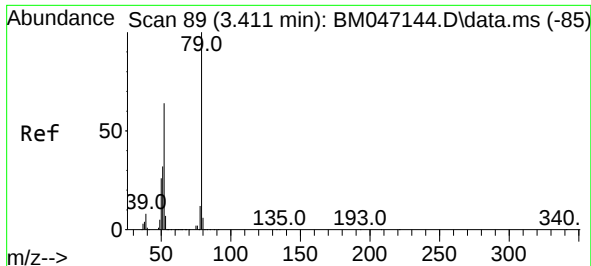


#2
1,4-Dioxane
Concen: 5.109 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



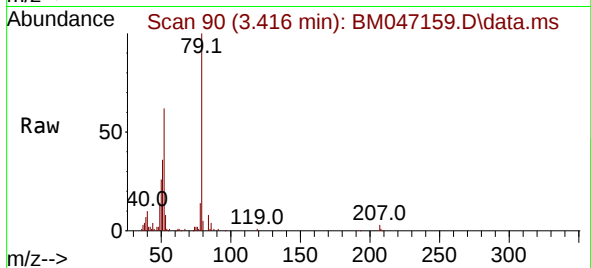
Tgt Ion: 88 Resp: 30093
Ion Ratio Lower Upper
88 100
58 73.5 58.2 87.4
43 29.4 22.5 33.7





#3
Pyridine
Concen: 4.569 ng
RT: 3.416 min Scan# 90
Delta R.T. 0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

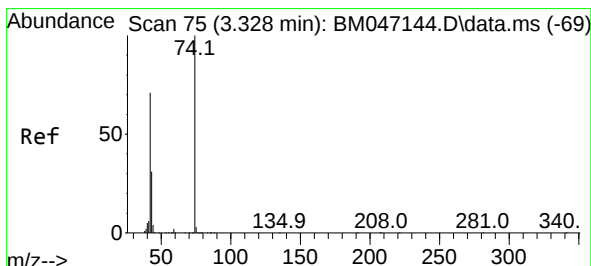
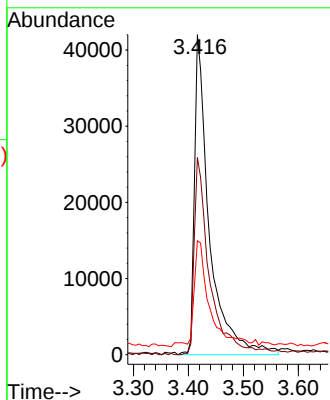
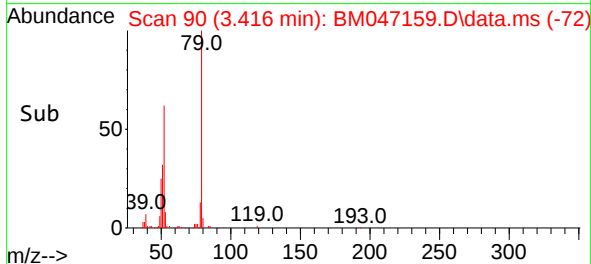
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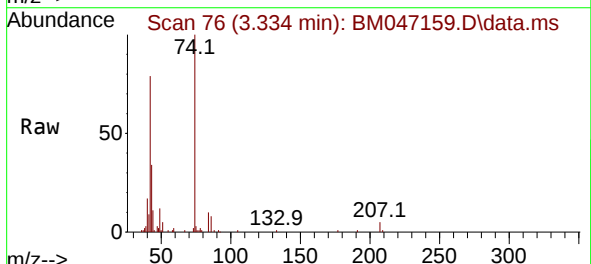
Tgt Ion: 79 Resp: 7891
Ion Ratio Lower Upper
79 100
52 61.6 51.2 76.8
51 35.6 26.1 39.1

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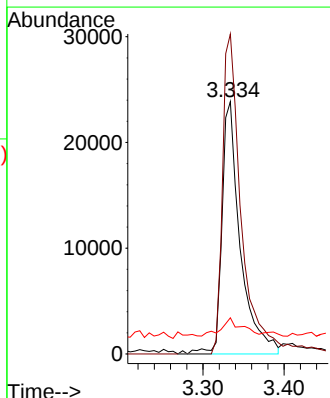
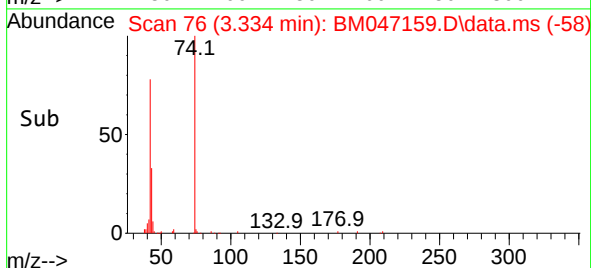
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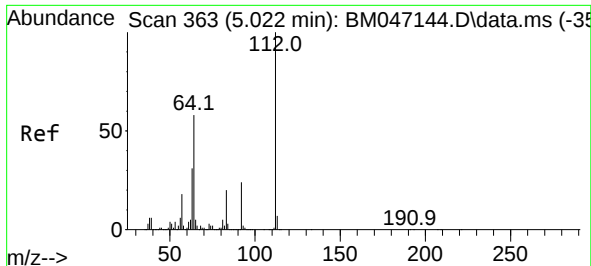


#4
n-Nitrosodimethylamine
Concen: 4.971 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



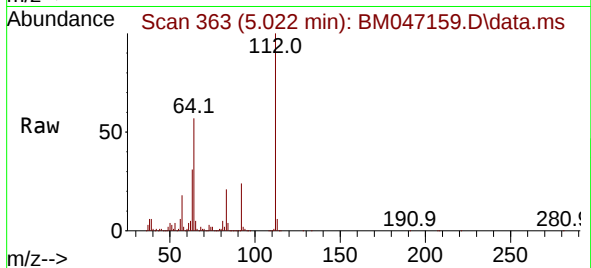
Tgt Ion: 42 Resp: 37509
Ion Ratio Lower Upper
42 100
74 126.8 112.9 169.3
44 14.3 5.3 7.9





#5
2-Fluorophenol
Concen: 92.919 ng
RT: 5.022 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

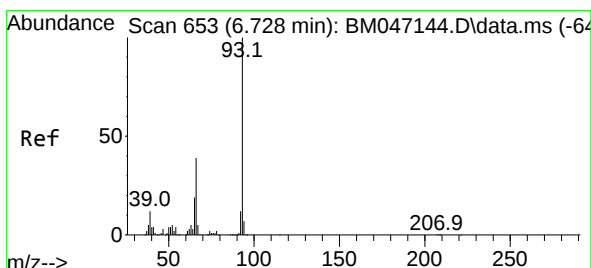
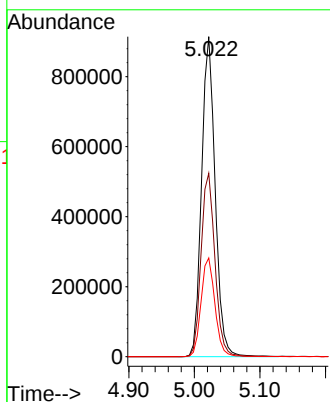
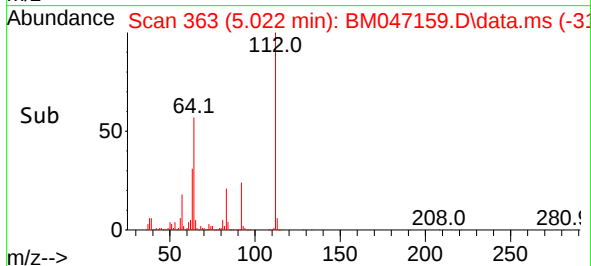
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LOQ-SOIL-02-QT3-2024



Tgt Ion:112 Resp: 1320829
Ion Ratio Lower Upper
112 100
64 57.3 46.7 70.1
63 30.9 24.8 37.2

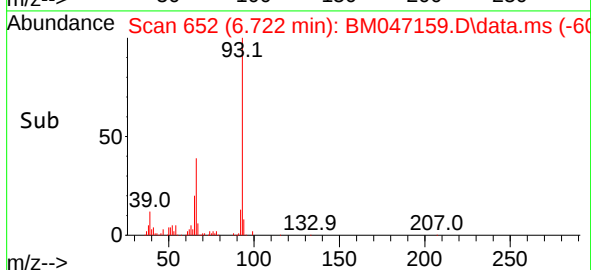
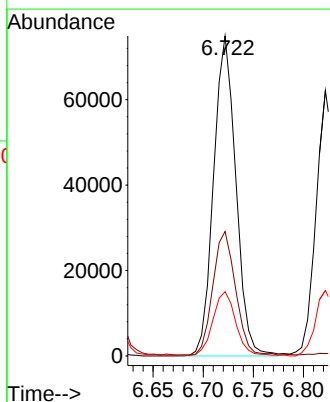
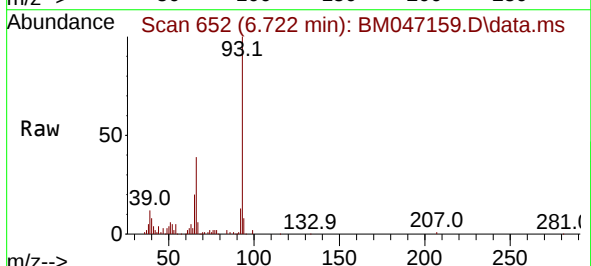
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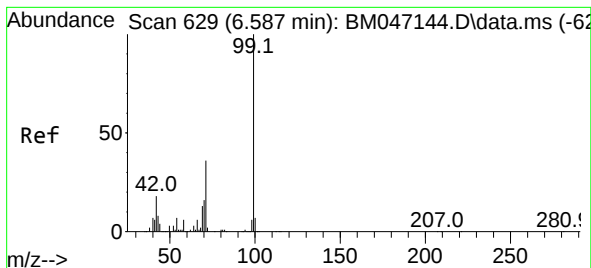
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#6
Aniline
Concen: 6.245 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047159.D
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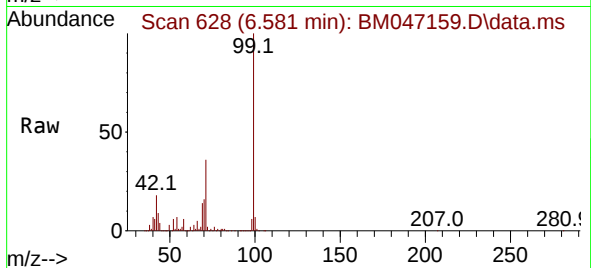
Tgt Ion: 93 Resp: 115611
Ion Ratio Lower Upper
93 100
66 38.9 31.4 47.2
65 20.1 15.6 23.4





#7
Phenol-d6
Concen: 92.766 ng
RT: 6.581 min Scan# 619
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

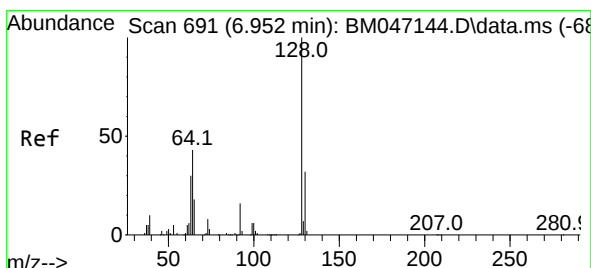
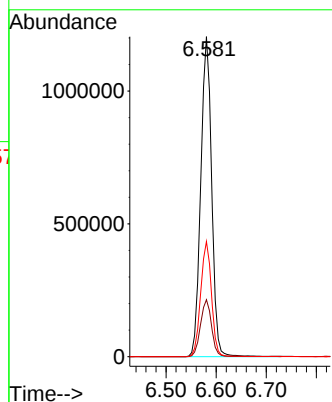
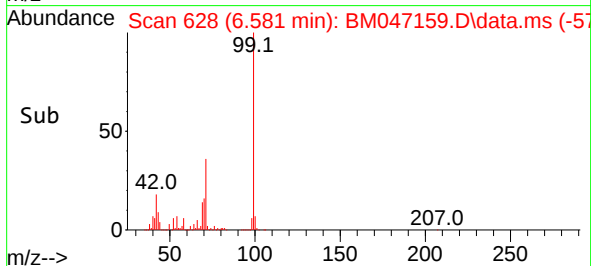
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Tgt Ion: 99 Resp: 1816989
Ion Ratio Lower Upper
99 100
42 17.8 14.1 21.1
71 36.0 28.5 42.7

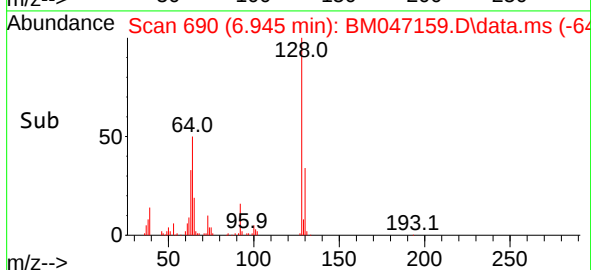
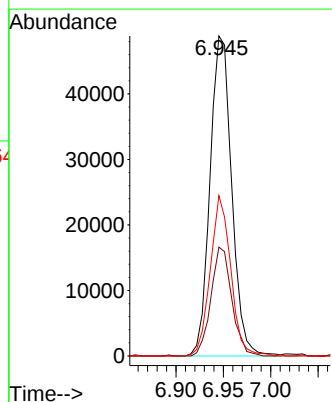
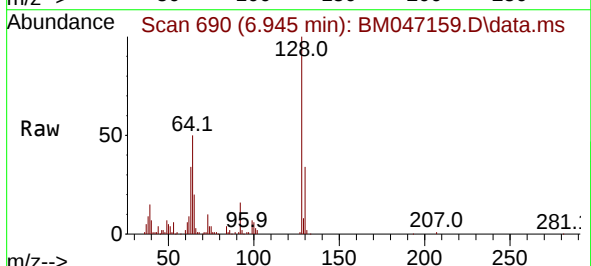
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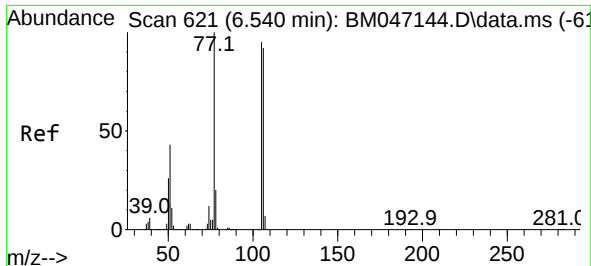
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#8
2-Chlorophenol
Concen: 5.023 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:128 Resp: 77879
Ion Ratio Lower Upper
128 100
130 34.0 12.1 52.1
64 50.1 26.6 66.6





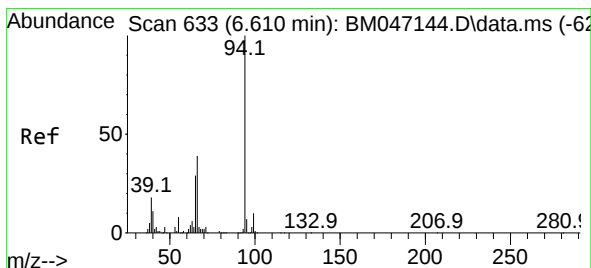
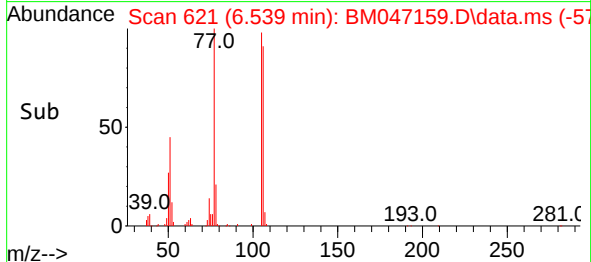
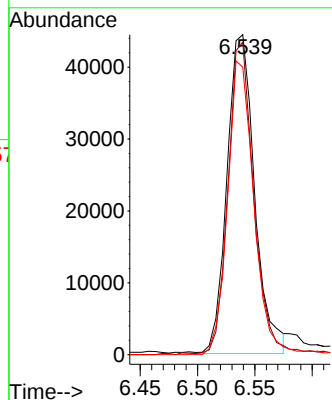
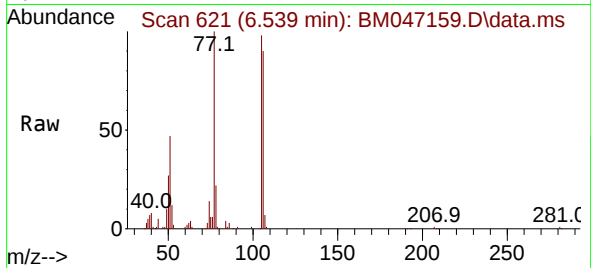
#9
Benzaldehyde
Concen: 4.965 ng m
RT: 6.539 min Scan# 61
Delta R.T. -0.001 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 7469
Ion Ratio Lower Upper
77 100
105 97.6 74.5 114.5
106 89.8 72.3 112.3

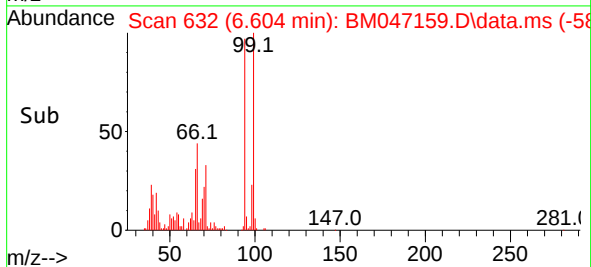
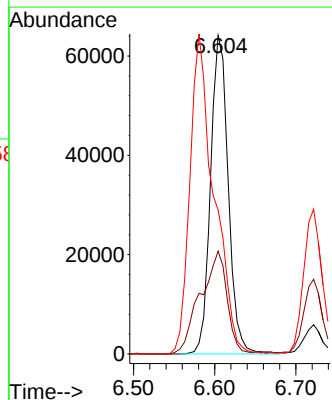
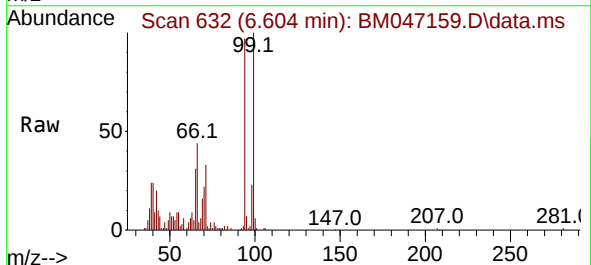
Manual Integrations
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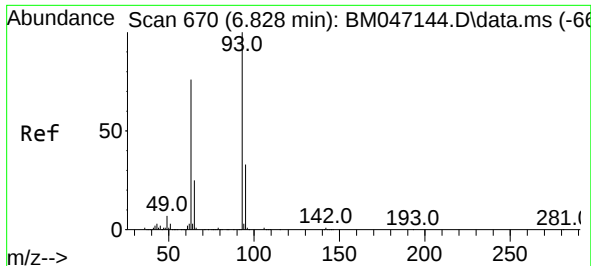
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#10
Phenol
Concen: 4.976 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

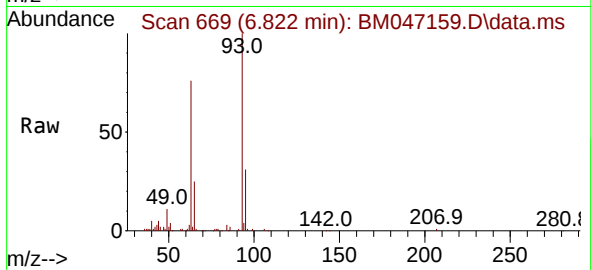
Tgt Ion: 94 Resp: 97257
Ion Ratio Lower Upper
94 100
65 32.3 9.0 49.0
66 45.2 18.9 58.9





#11
bis(2-Chloroethyl)ether
Concen: 5.183 ng
RT: 6.822 min Scan# 669
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

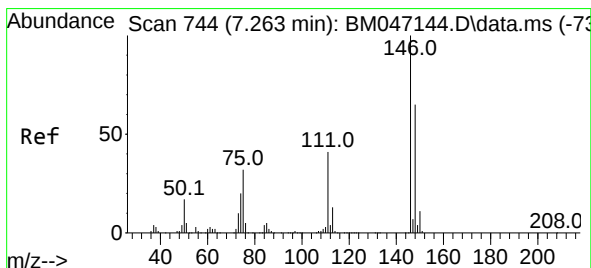
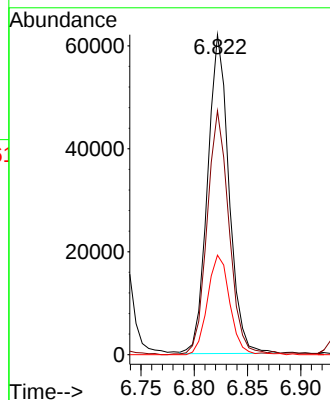
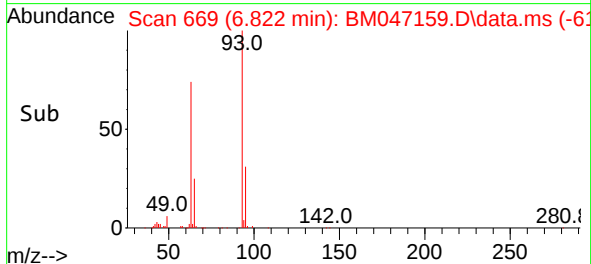
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 93 Resp: 8675
Ion Ratio Lower Upper
93 100
63 76.2 55.8 95.8
95 31.1 12.7 52.7

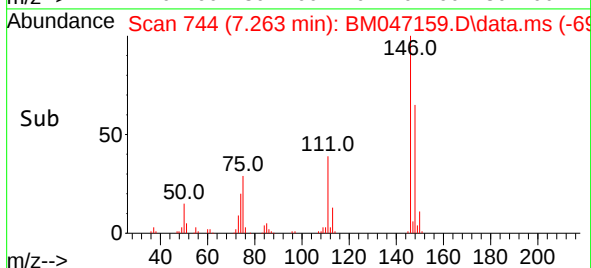
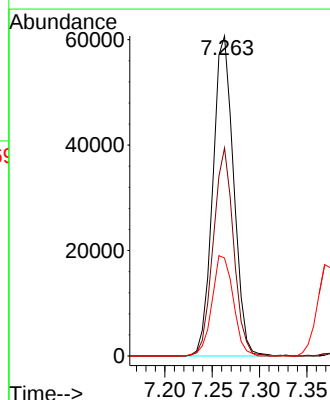
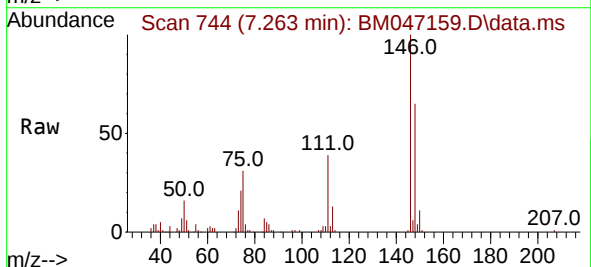
Manual Integrations
APPROVED

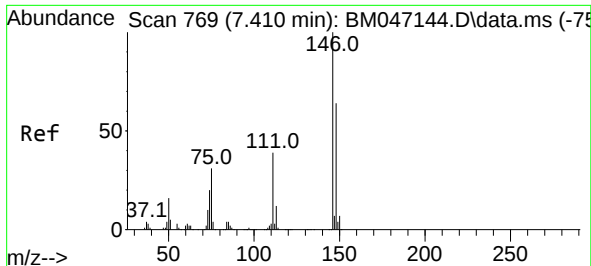
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#12
1,3-Dichlorobenzene
Concen: 5.029 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:146 Resp: 92648
Ion Ratio Lower Upper
146 100
148 65.0 52.3 78.5
75 30.6 25.8 38.6





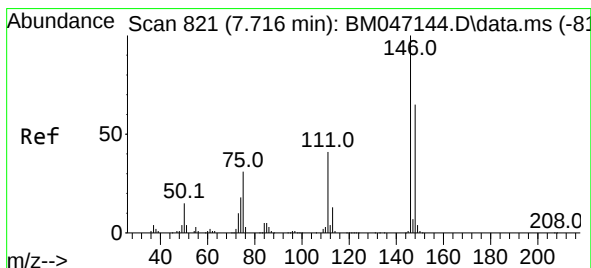
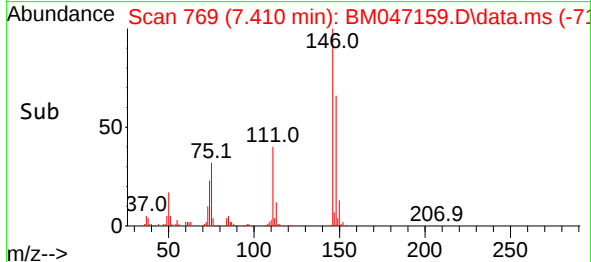
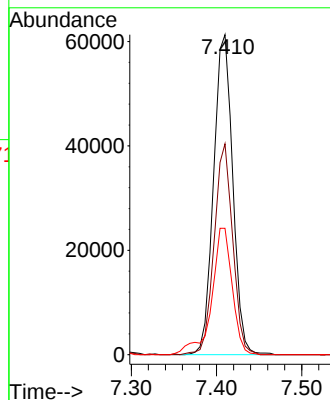
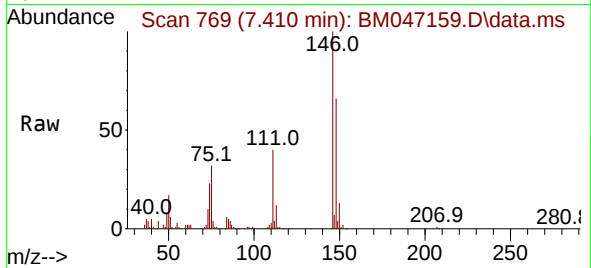
#13
1,4-Dichlorobenzene
Concen: 5.130 ng
RT: 7.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:146 Resp: 9569
Ion Ratio Lower Upper
146 100
148 65.9 51.4 77.2
111 39.5 31.5 47.3

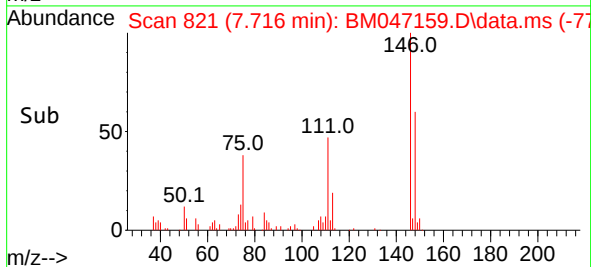
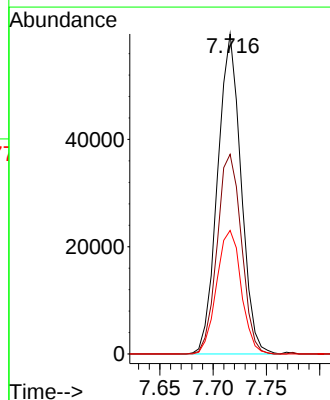
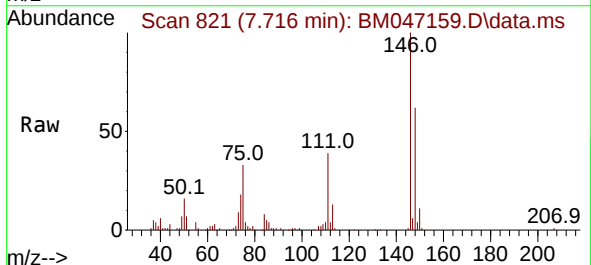
Manual Integrations
APPROVED

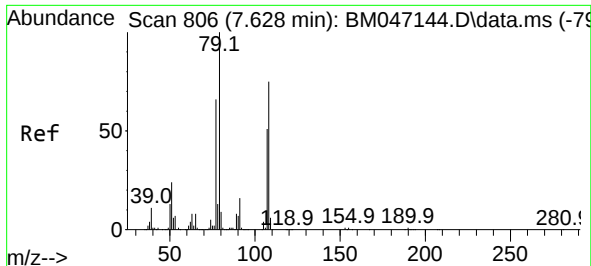
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#14
1,2-Dichlorobenzene
Concen: 5.174 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

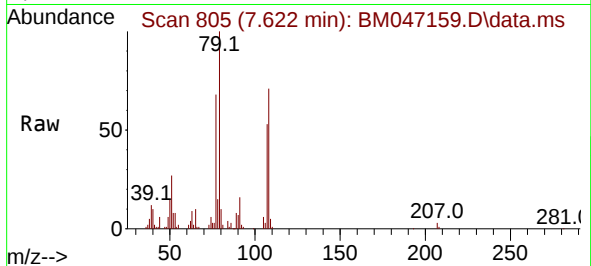
Tgt Ion:146 Resp: 91067
Ion Ratio Lower Upper
146 100
148 62.4 51.8 77.8
111 38.6 33.3 49.9





#15
Benzyl Alcohol
Concen: 5.487 ng
RT: 7.622 min Scan# 805
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

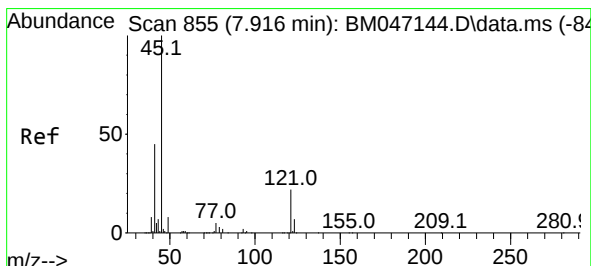
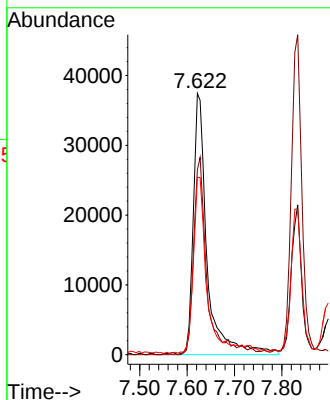
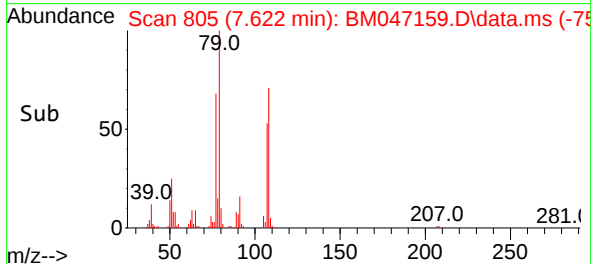
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



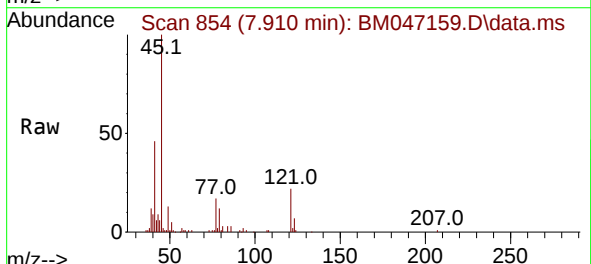
Tgt Ion: 79 Resp: 7649
Ion Ratio Lower Upper
79 100
108 70.9 59.7 89.5
77 67.9 52.9 79.3

Manual Integrations
APPROVED

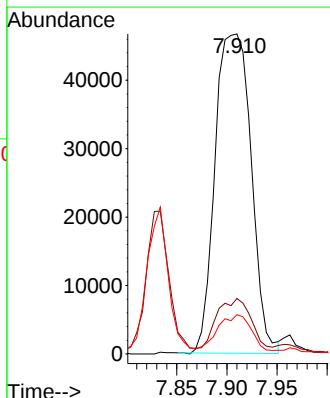
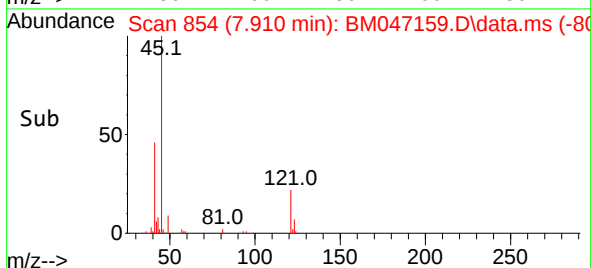
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

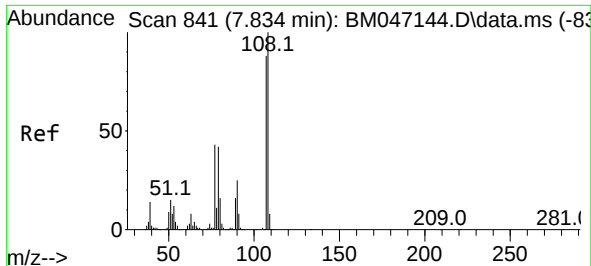


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.435 ng
RT: 7.910 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



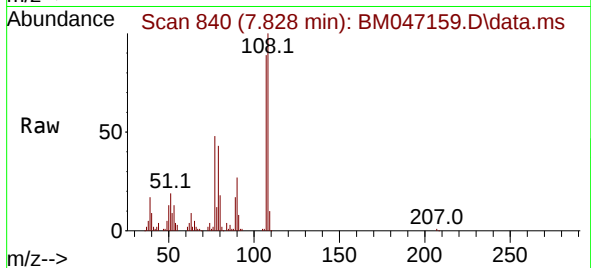
Tgt Ion: 45 Resp: 116724
Ion Ratio Lower Upper
45 100
77 17.3 0.0 35.6
79 12.2 0.0 32.4





#17
2-Methylphenol
Concen: 4.796 ng
RT: 7.828 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

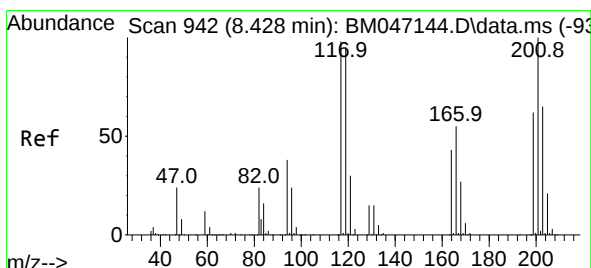
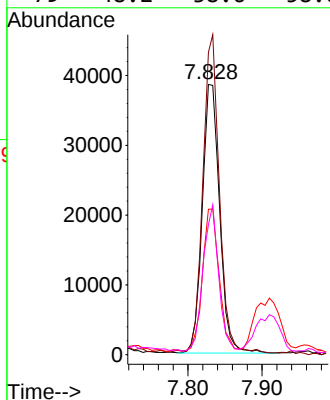
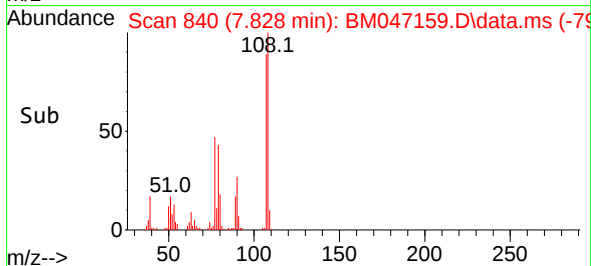
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:	107	Resp:	62534
Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.6	135.8
77	53.8	39.3	58.9
79	48.2	38.6	58.0

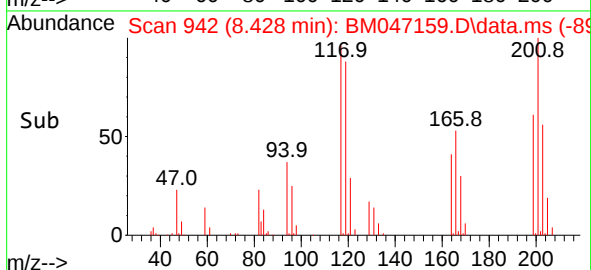
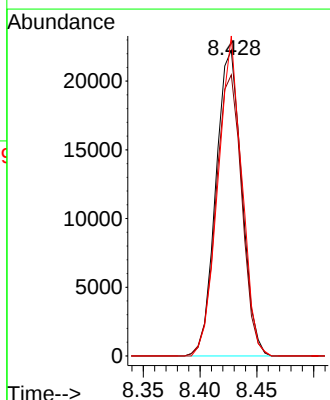
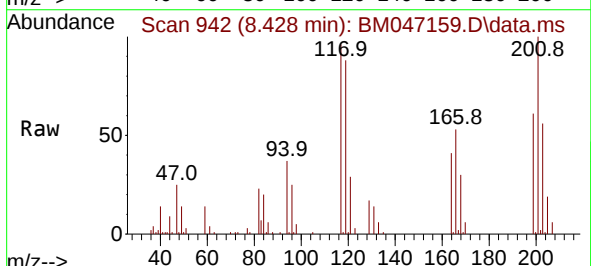
Manual Integrations
APPROVED

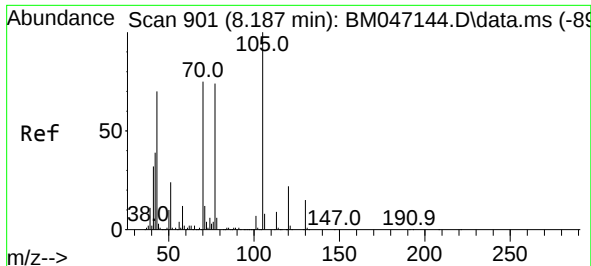
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#18
Hexachloroethane
Concen: 4.873 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

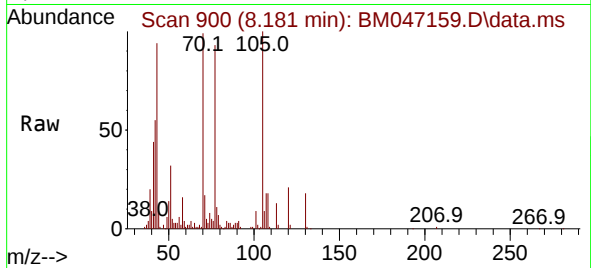
Tgt Ion:	117	Resp:	35209
Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.0	115.4
201	104.7	81.3	121.9





#19
n-Nitroso-di-n-propylamine
Concen: 5.446 ng
RT: 8.181 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

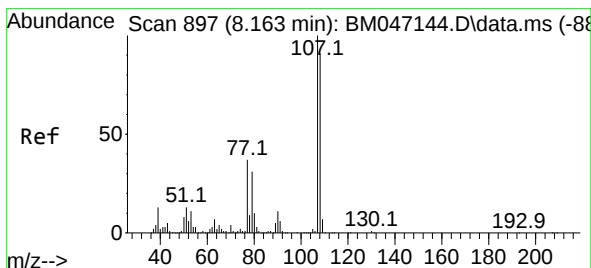
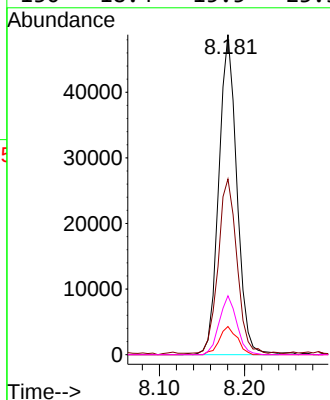
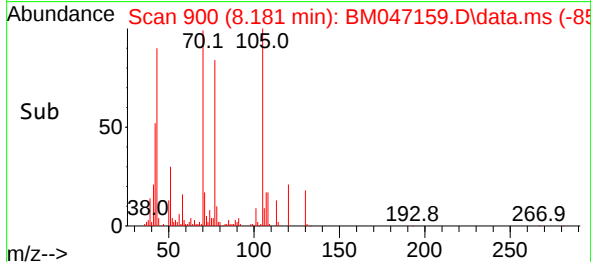
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 70 Resp: 71850
Ion Ratio Lower Upper
70 100
42 54.9 42.0 63.0
101 8.8 7.2 10.8
130 18.4 15.5 23.3

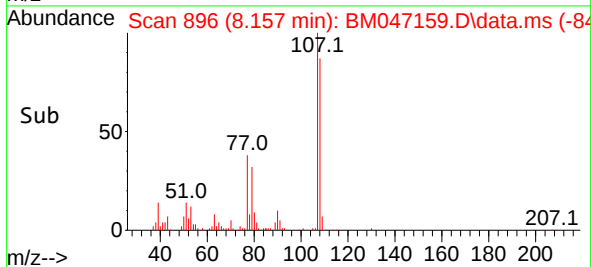
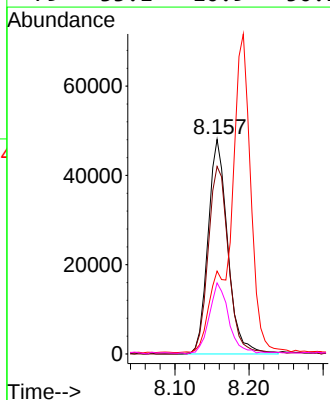
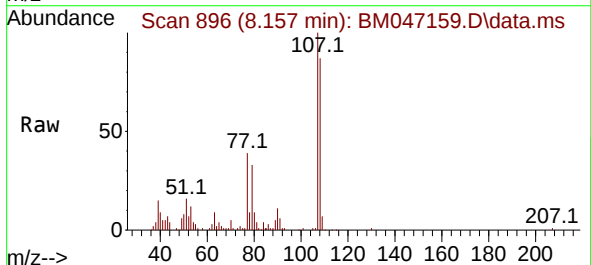
Manual Integrations
APPROVED

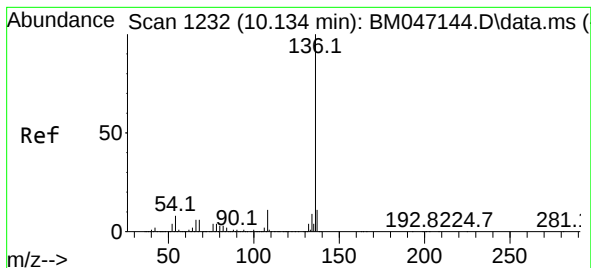
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#20
3+4-Methylphenols
Concen: 4.868 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

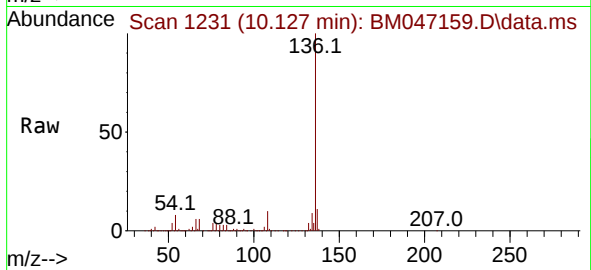
Tgt Ion:107 Resp: 88734
Ion Ratio Lower Upper
107 100
108 87.4 70.7 110.7
77 38.6 17.4 57.4
79 33.1 10.9 50.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

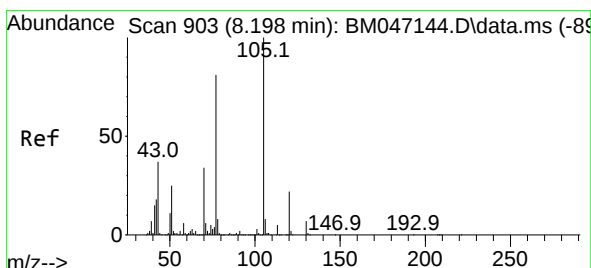
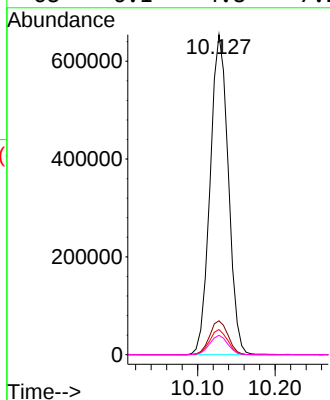
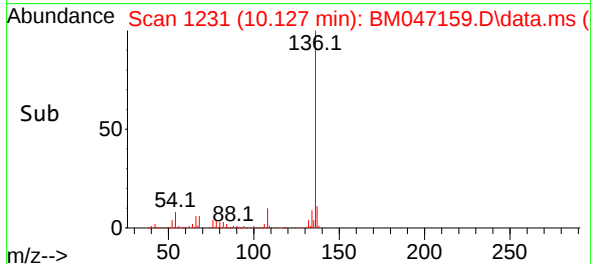
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:136 Resp: 106526
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.9 6.0 9.0
68 6.1 4.8 7.2

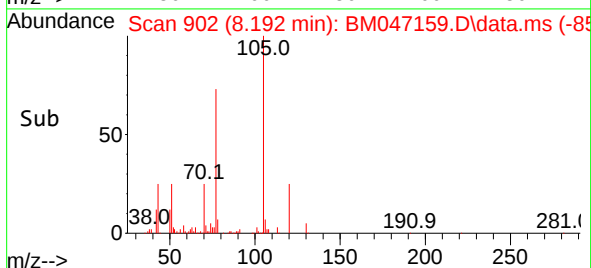
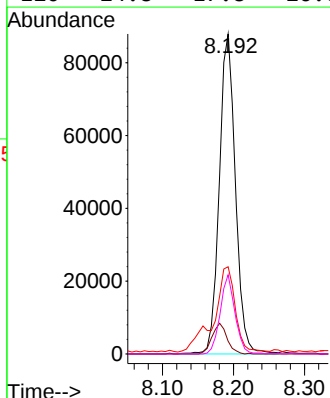
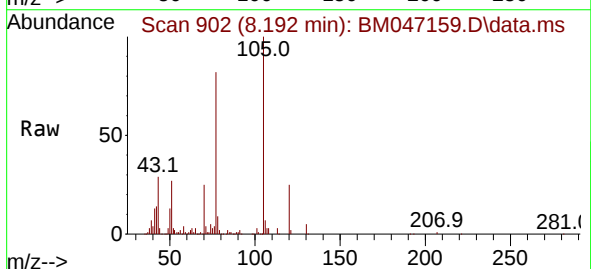
Manual Integrations
APPROVED

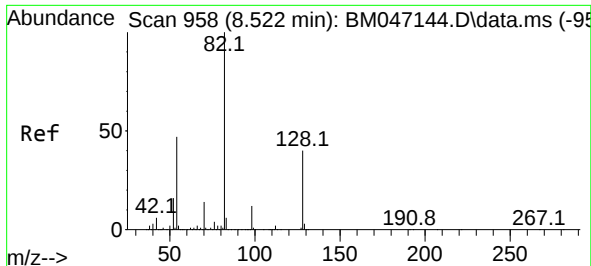
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#22
Acetophenone
Concen: 5.380 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

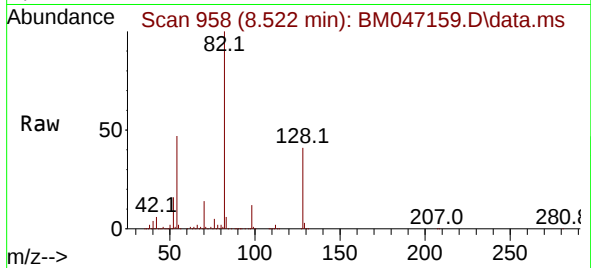
Tgt Ion:105 Resp: 138336
Ion Ratio Lower Upper
105 100
71 4.0 4.5 6.7#
51 27.2 20.1 30.1
120 24.8 17.8 26.6





#23
Nitrobenzene-d5
Concen: 78.808 ng
RT: 8.522 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

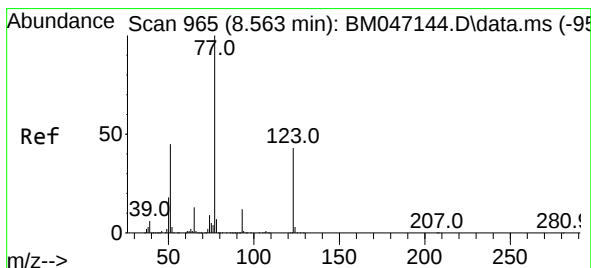
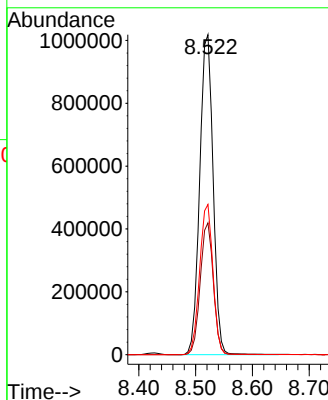
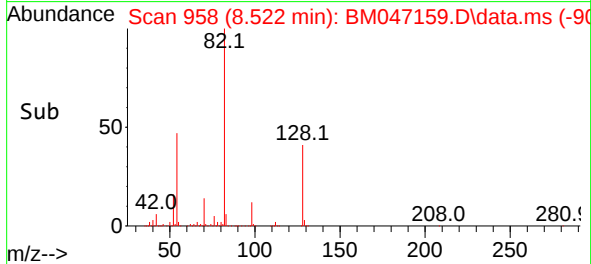
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



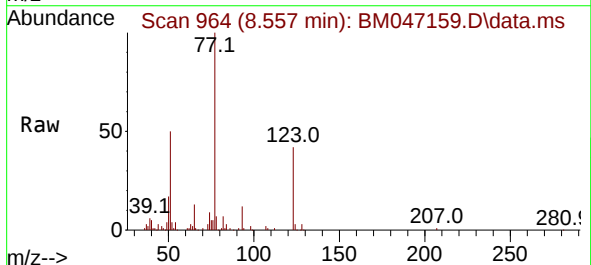
Tgt Ion: 82 Resp: 1667239
Ion Ratio Lower Upper
82 100
128 41.2 32.3 48.5
54 46.9 37.4 56.2

Manual Integrations
APPROVED

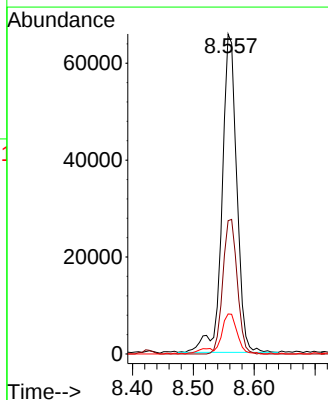
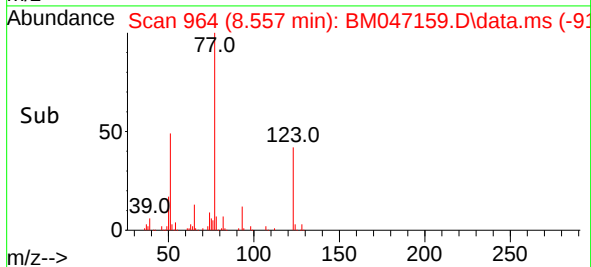
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

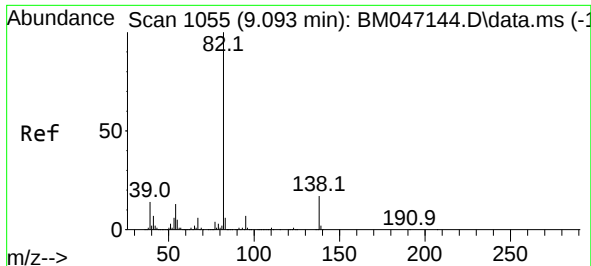


#24
Nitrobenzene
Concen: 5.200 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



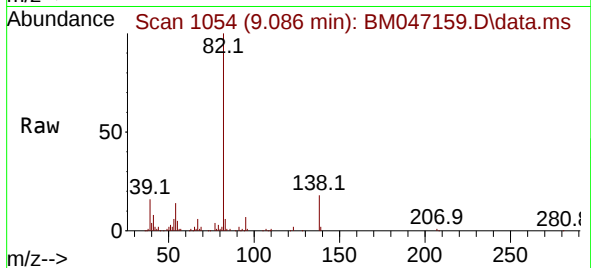
Tgt Ion: 77 Resp: 110772
Ion Ratio Lower Upper
77 100
123 41.6 34.0 51.0
65 12.5 10.5 15.7





#25
Isophorone
Concen: 5.137 ng
RT: 9.086 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

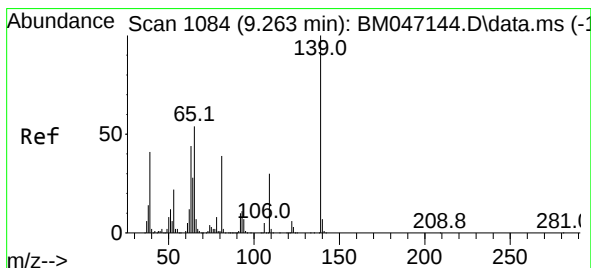
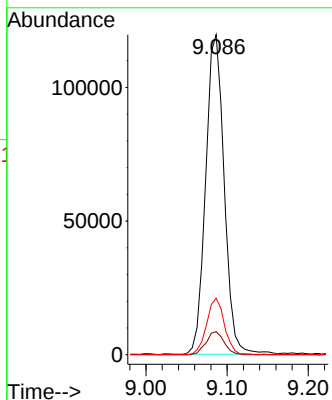
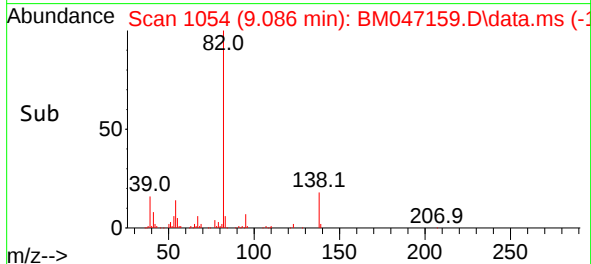
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 82 Resp: 189210
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 17.6 13.5 20.3

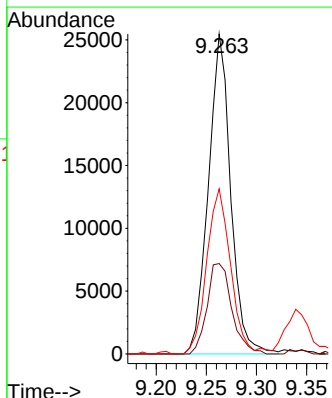
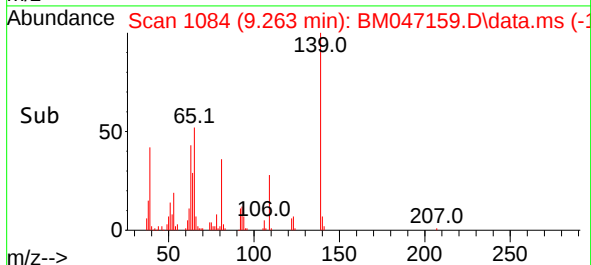
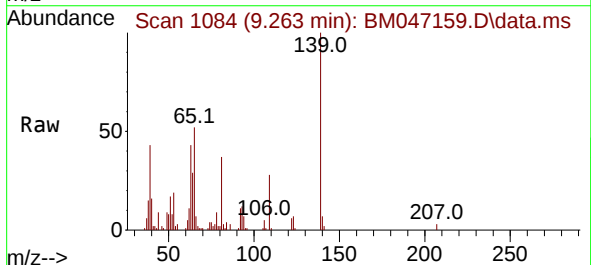
Manual Integrations
APPROVED

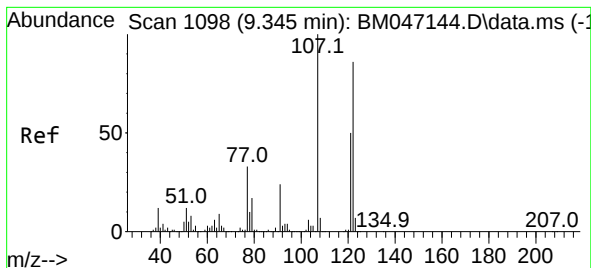
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#26
2-Nitrophenol
Concen: 4.179 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

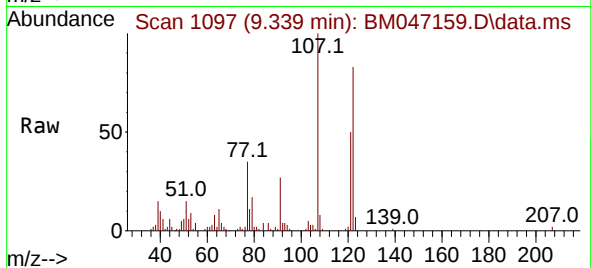
Tgt Ion:139 Resp: 39430
Ion Ratio Lower Upper
139 100
109 28.3 24.4 36.6
65 51.6 43.0 64.6





#27
2,4-Dimethylphenol
Concen: 4.233 ng
RT: 9.339 min Scan# 1097
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

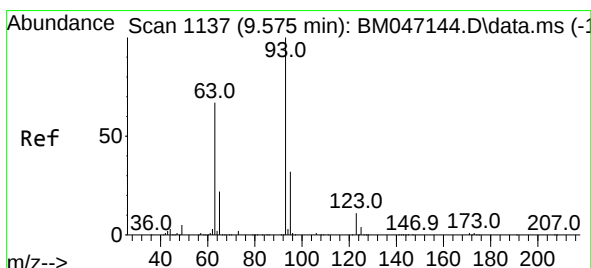
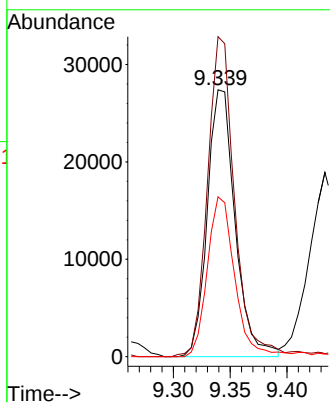
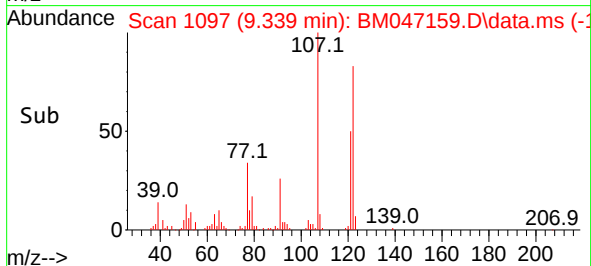
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:122 Resp: 46775
Ion Ratio Lower Upper
122 100
107 119.9 92.8 139.2
121 59.9 46.1 69.1

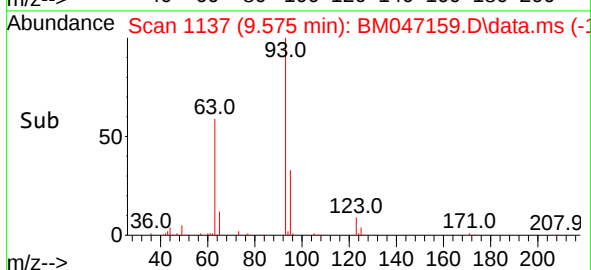
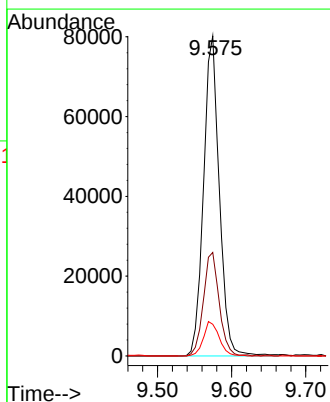
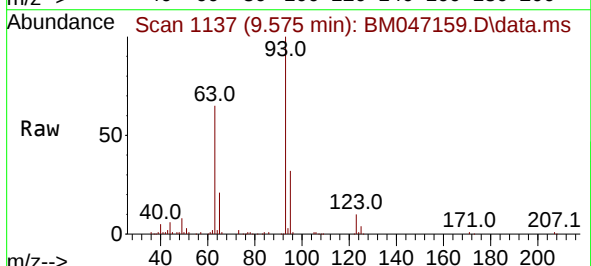
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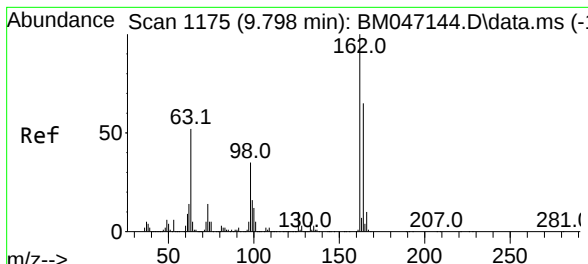
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#28
bis(2-Chloroethoxy)methane
Concen: 5.114 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

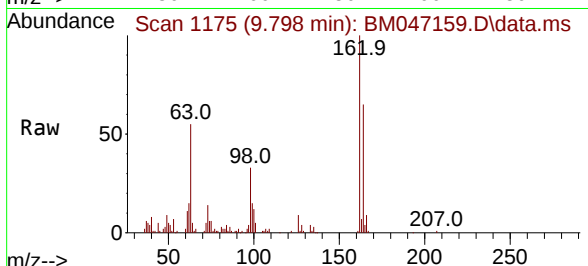
Tgt Ion: 93 Resp: 118526
Ion Ratio Lower Upper
93 100
95 32.3 25.8 38.8
123 9.9 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 4.624 ng
RT: 9.798 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

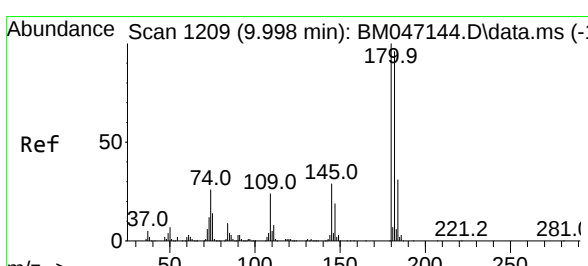
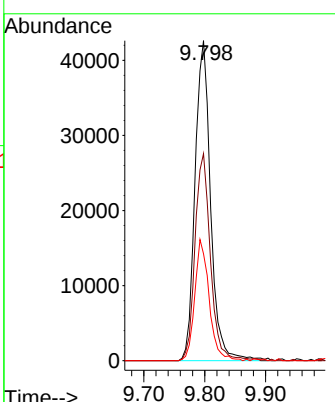
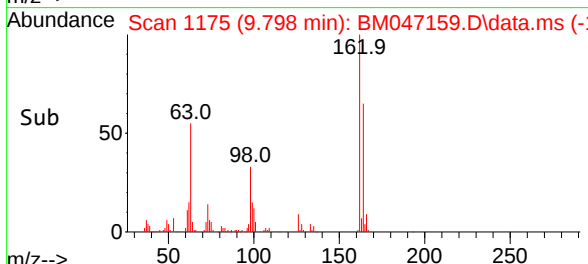
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2024



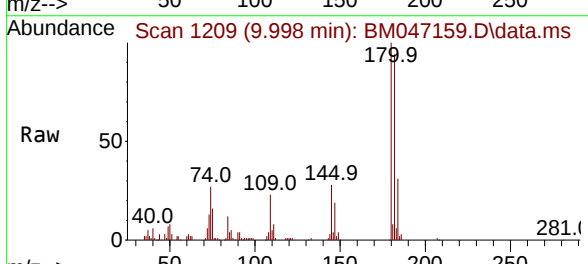
Tgt Ion:162 Resp: 75820

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.7	84.7
98	33.4	14.9	54.9

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Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

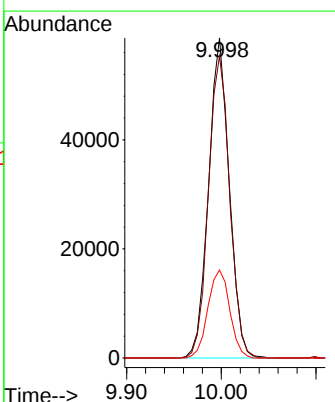
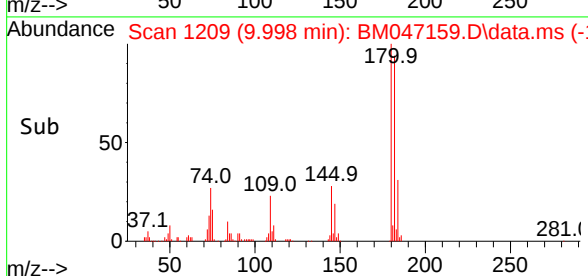


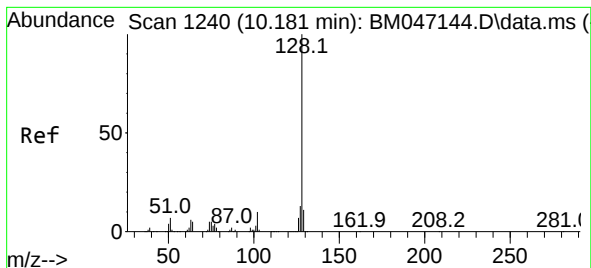
#30
1,2,4-Trichlorobenzene
Concen: 4.798 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



Tgt Ion:180 Resp: 89033

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.6	115.0
145	27.5	23.4	35.2





#31

Naphthalene

Concen: 5.088 ng

RT: 10.175 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

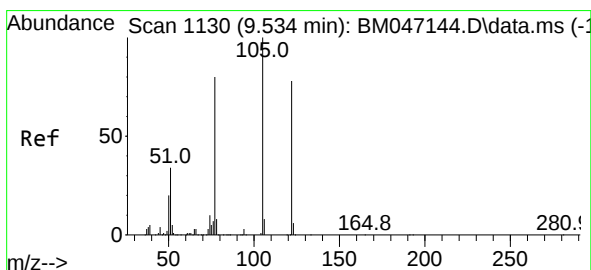
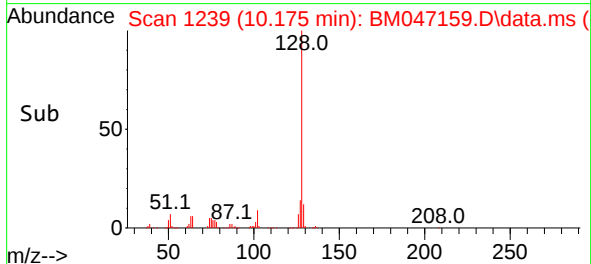
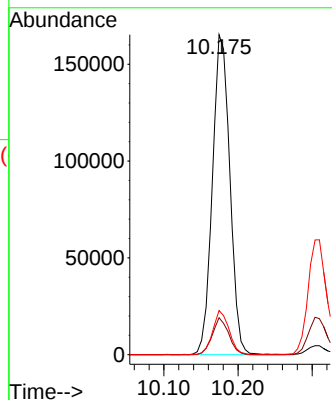
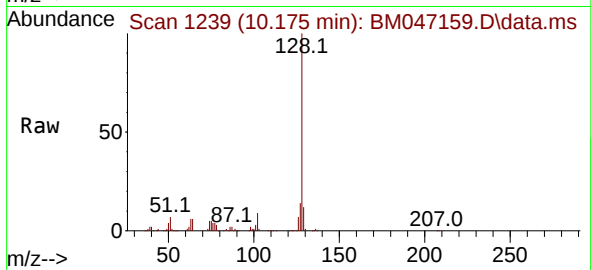
Tgt Ion:128 Resp: 270019
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.6 13.0
 127 13.8 10.2 15.4

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Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#32

Benzoic acid

Concen: 3.231 ng m

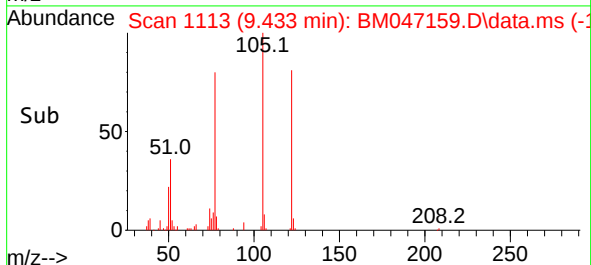
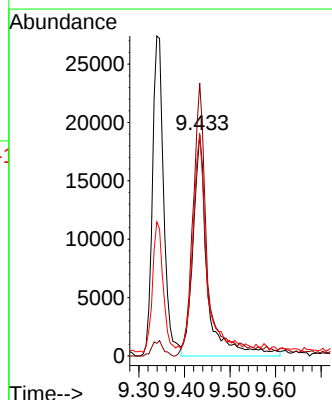
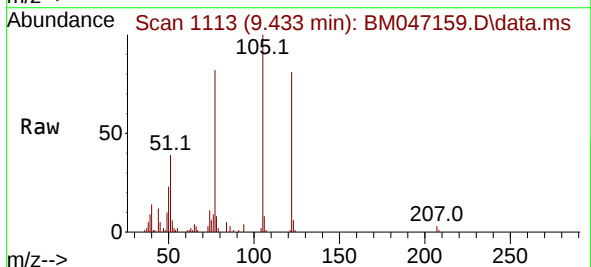
RT: 9.433 min Scan# 1113

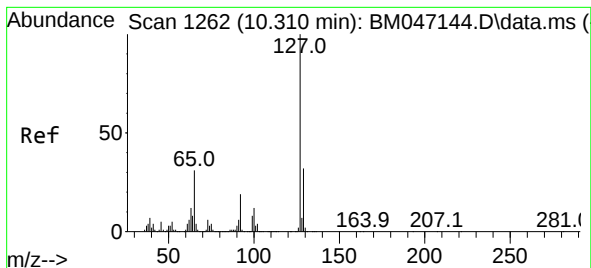
Delta R.T. -0.100 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

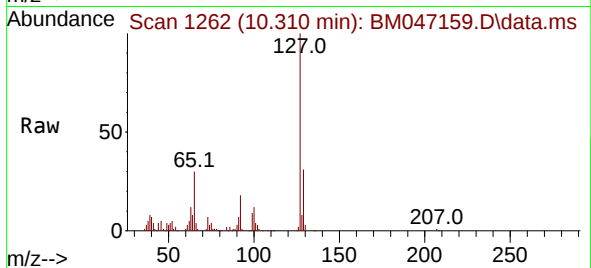
Tgt Ion:122 Resp: 41483
 Ion Ratio Lower Upper
 122 100
 105 123.6 107.1 147.1
 77 100.8 82.1 122.1





#33
4-Chloroaniline
Concen: 5.303 ng
RT: 10.310 min Scan# 1262
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

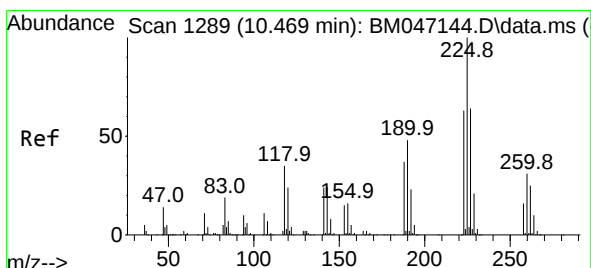
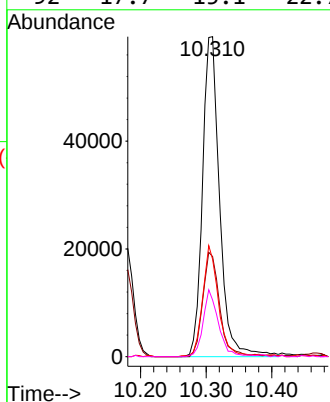
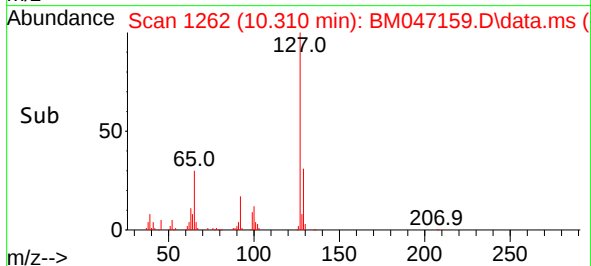
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.8	38.8
65	30.5	24.9	37.3
92	17.7	15.1	22.7

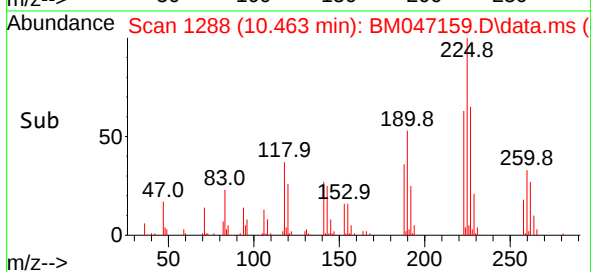
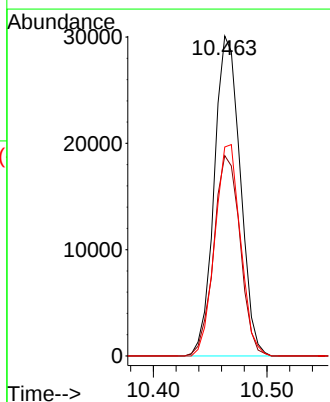
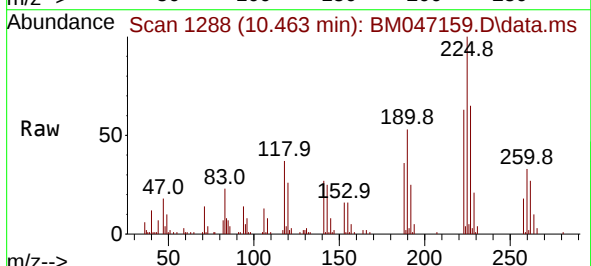
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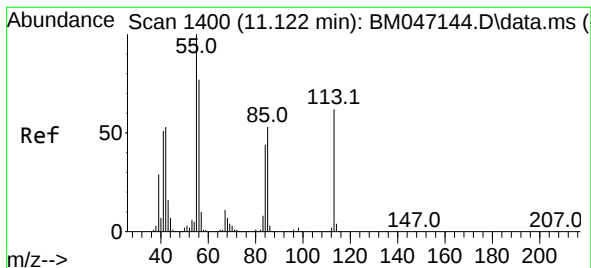
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#34
Hexachlorobutadiene
Concen: 4.407 ng
RT: 10.463 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

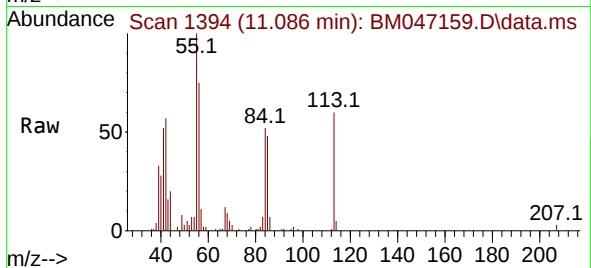
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.2
227	65.3	51.4	77.0





#35
Caprolactam
Concen: 4.705 ng m
RT: 11.086 min Scan# 113
Delta R.T. -0.036 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

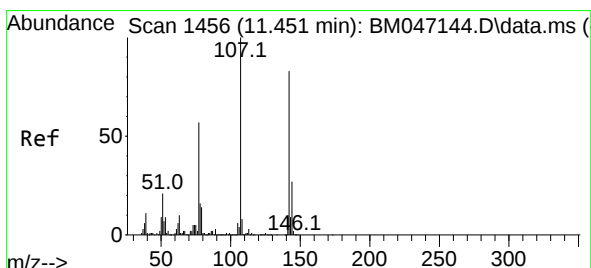
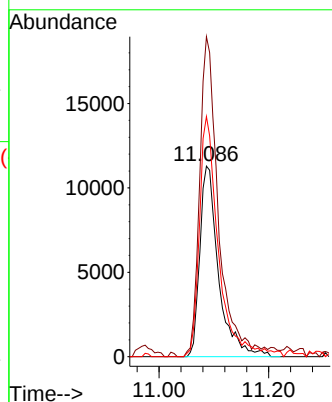
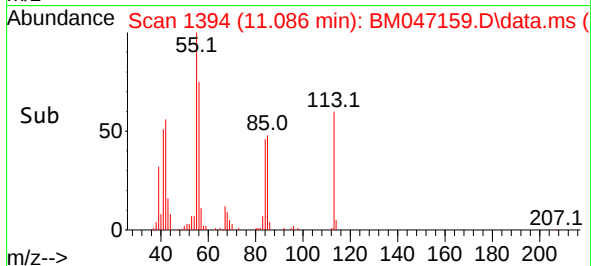
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:113 Resp: 2679
Ion Ratio Lower Upper
113 100
55 168.0 140.5 180.5
56 126.1 103.6 143.6

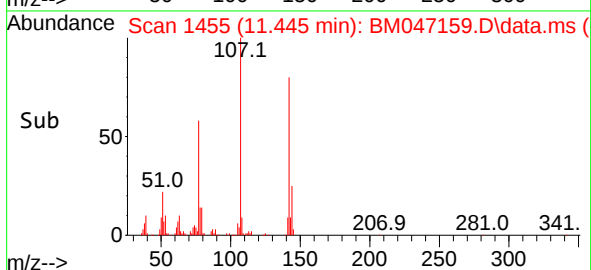
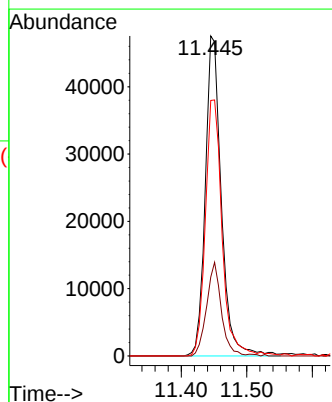
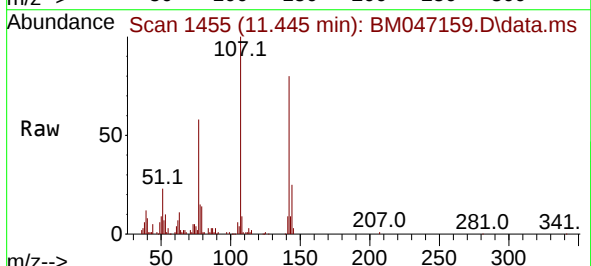
Manual Integrations
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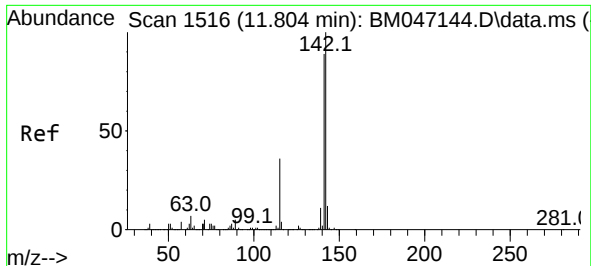
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#36
4-Chloro-3-methylphenol
Concen: 4.644 ng
RT: 11.445 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

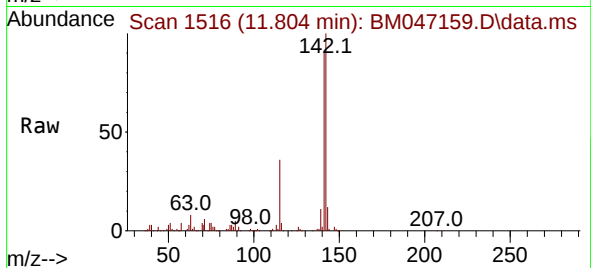
Tgt Ion:107 Resp: 81102
Ion Ratio Lower Upper
107 100
144 24.7 21.8 32.6
142 79.8 66.8 100.2





#37
2-Methylnaphthalene
Concen: 4.876 ng
RT: 11.804 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

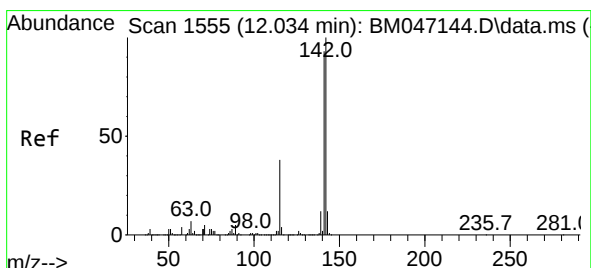
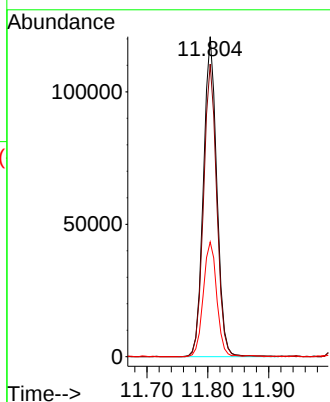
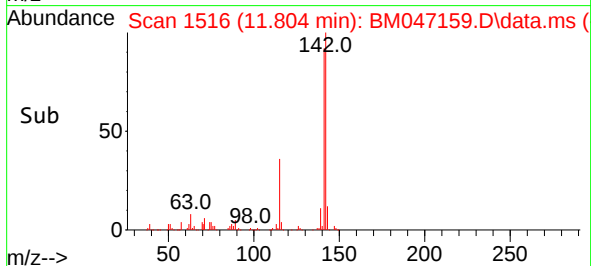
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



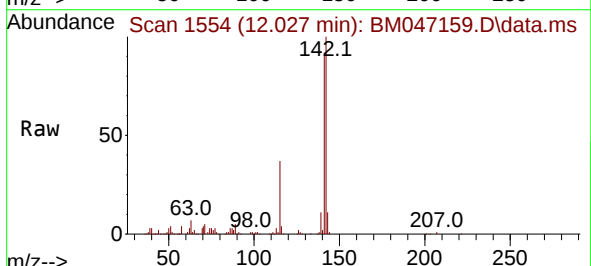
Tgt Ion:142 Resp: 184240
Ion Ratio Lower Upper
142 100
141 91.4 70.9 106.3
115 35.9 28.7 43.1

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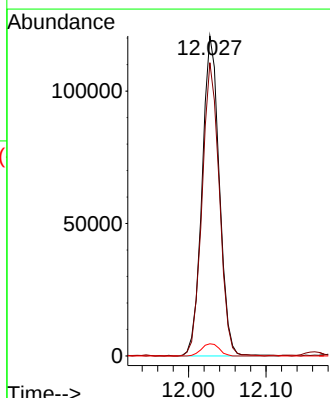
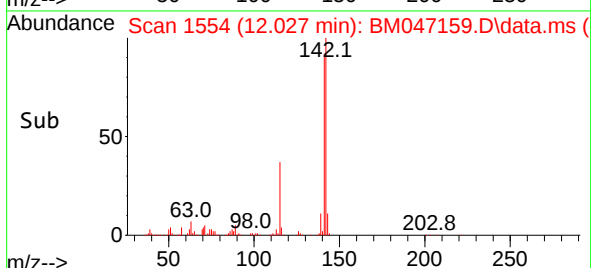
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

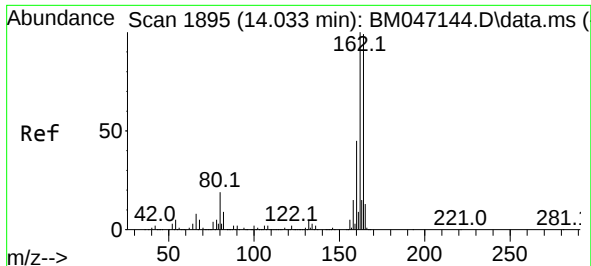


#38
1-Methylnaphthalene
Concen: 5.002 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



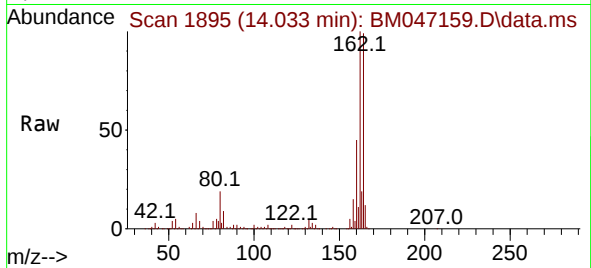
Tgt Ion:142 Resp: 186780
Ion Ratio Lower Upper
142 100
141 91.7 74.6 111.8
116 3.8 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

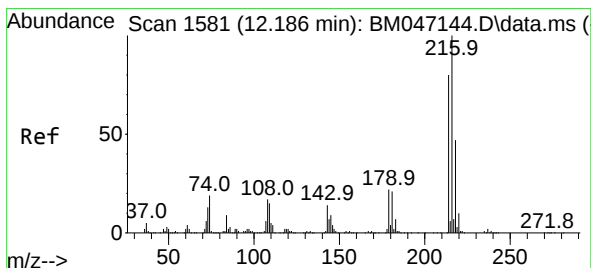
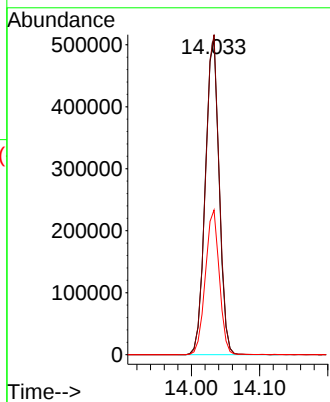
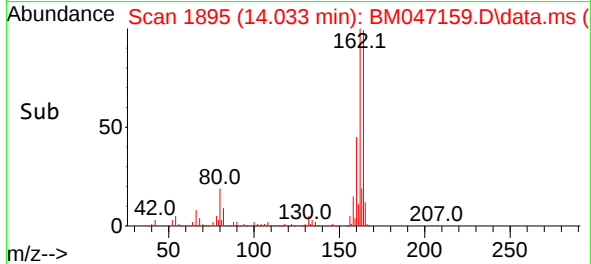
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:164 Resp: 719260
Ion Ratio Lower Upper
164 100
162 101.2 80.7 121.1
160 45.7 36.0 54.0

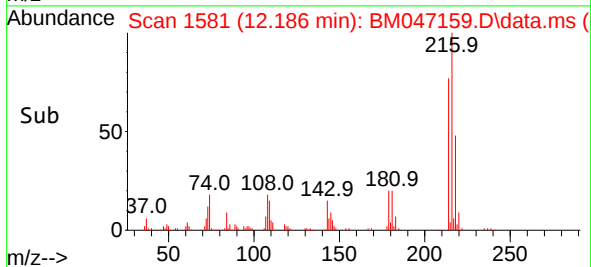
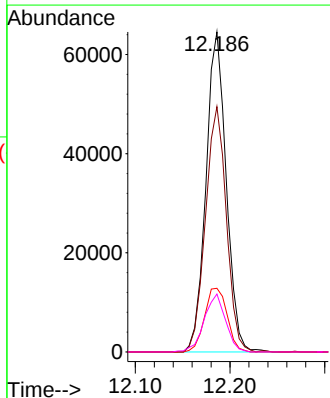
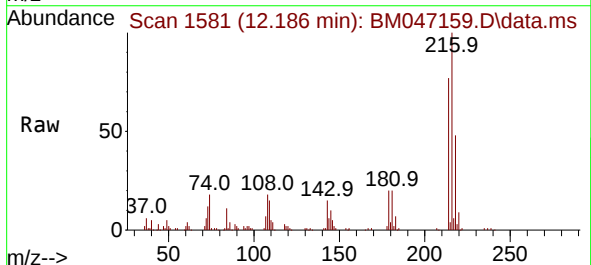
Manual Integrations
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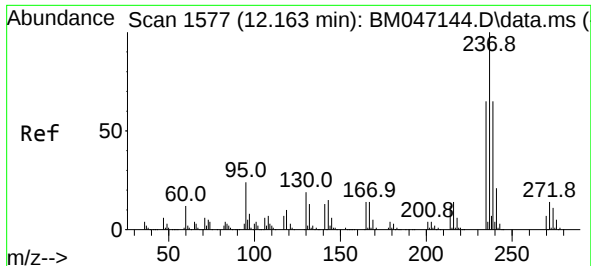
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.890 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

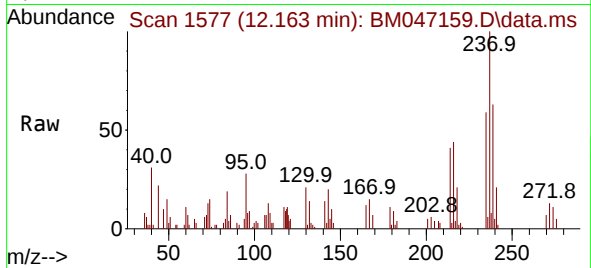
Tgt Ion:216 Resp: 95936
Ion Ratio Lower Upper
216 100
214 79.1 63.4 95.2
179 22.2 17.6 26.4
108 19.1 15.1 22.7





#41
Hexachlorocyclopentadiene
Concen: 2.415 ng
RT: 12.163 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

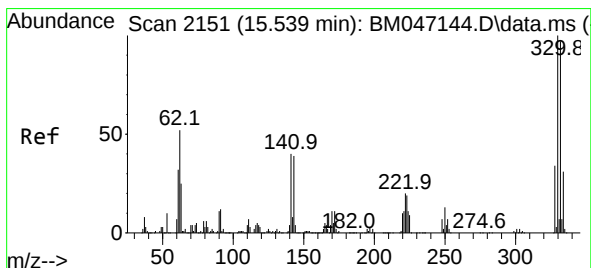
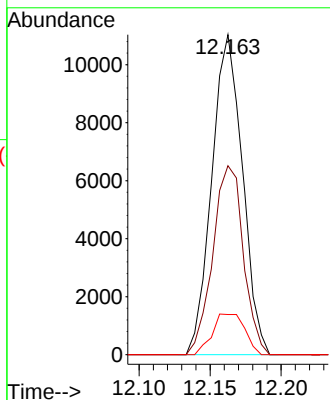
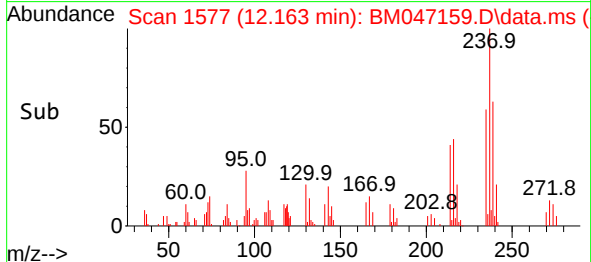
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



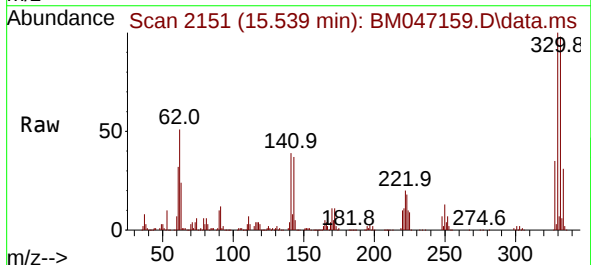
Tgt Ion: 237 Resp: 16540
Ion Ratio Lower Upper
237 100
235 59.1 44.8 84.8
272 12.5 0.0 33.5

Manual Integrations
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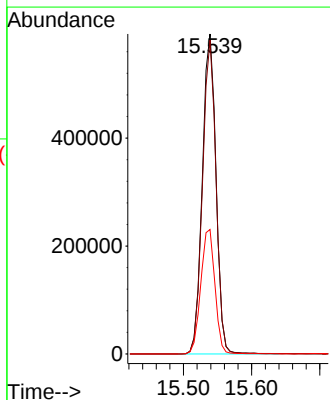
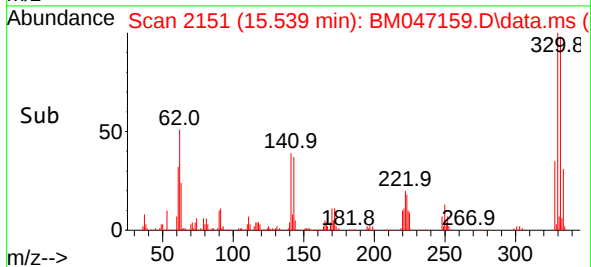
Reviewed By : Yogesh Patel 08/13/2024
Supervised By : mohammad ahmed 08/14/2024

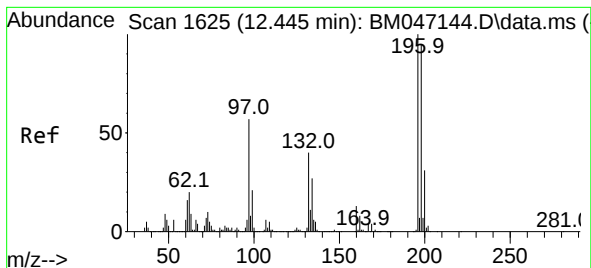


#42
2,4,6-Tribromophenol
Concen: 99.262 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



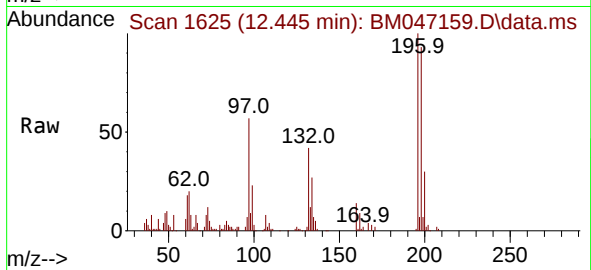
Tgt Ion: 330 Resp: 827845
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.2
141 40.4 31.6 47.4





#43
2,4,6-Trichlorophenol
Concen: 4.441 ng
RT: 12.445 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

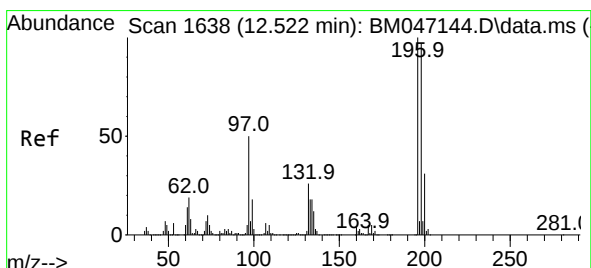
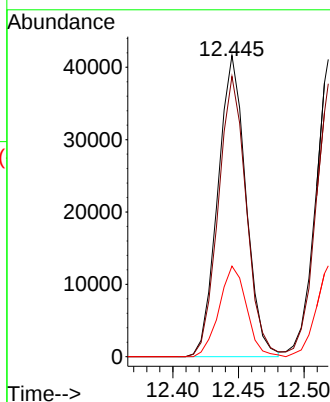
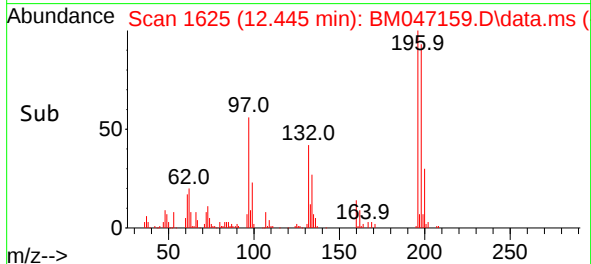
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



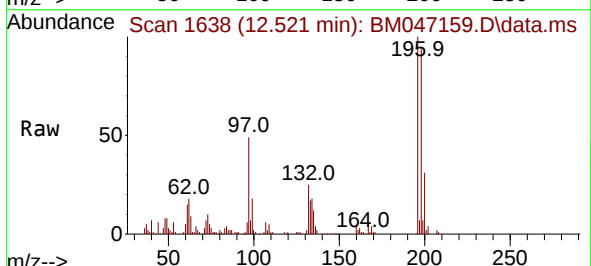
Tgt Ion:196 Resp: 6192
Ion Ratio Lower Upper
196 100
198 93.0 75.6 113.4
200 30.0 24.6 37.0

Manual Integrations
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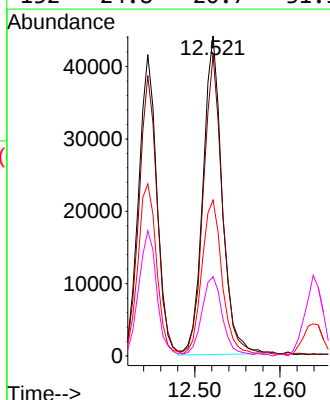
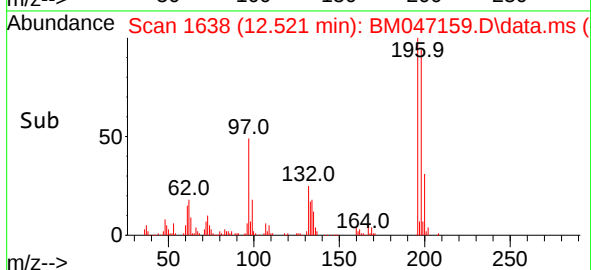
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

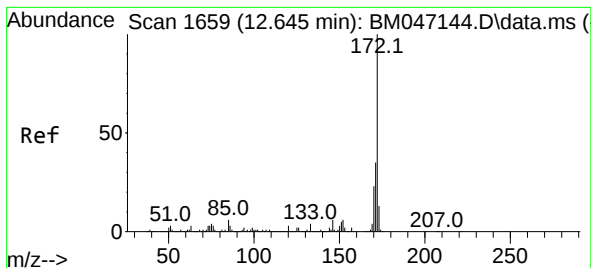


#44
2,4,5-Trichlorophenol
Concen: 4.450 ng
RT: 12.521 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



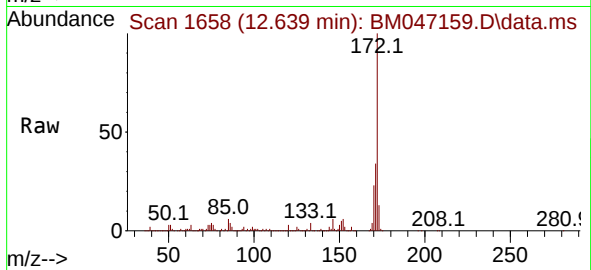
Tgt Ion:196 Resp: 68891
Ion Ratio Lower Upper
196 100
198 94.0 77.7 116.5
97 48.7 39.8 59.8
132 24.8 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 78.201 ng
RT: 12.639 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

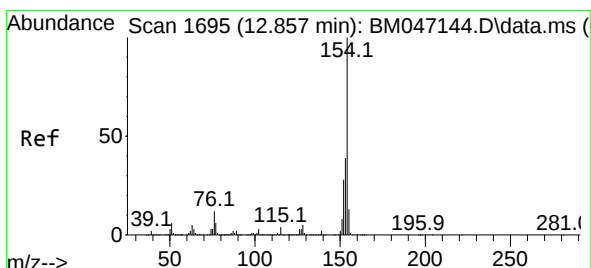
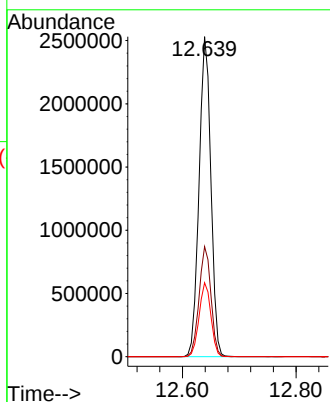
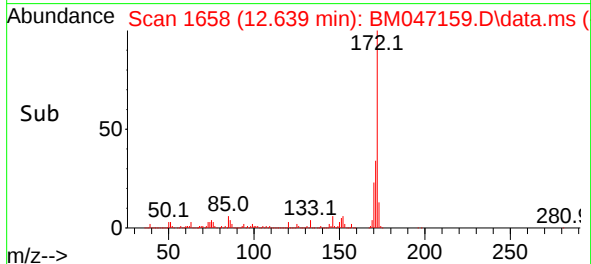
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:172 Resp: 3646440
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.1 18.7 28.1

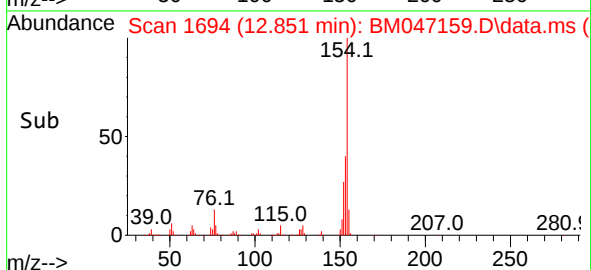
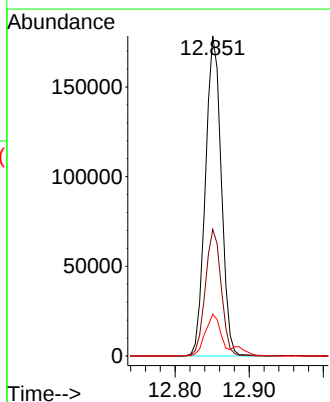
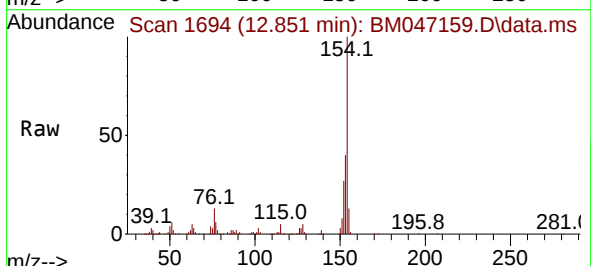
Manual Integrations
APPROVED

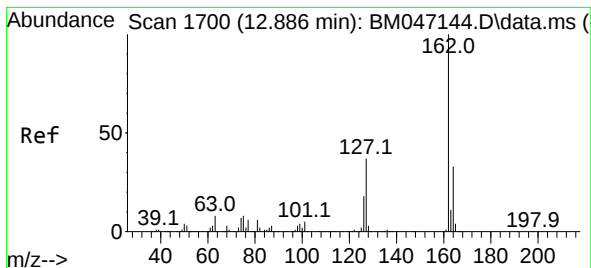
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#46
1,1'-Biphenyl
Concen: 5.175 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:154 Resp: 265015
Ion Ratio Lower Upper
154 100
153 39.6 19.0 59.0
76 13.0 0.0 31.9





#47

2-Chloronaphthalene

Concen: 5.159 ng

RT: 12.886 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

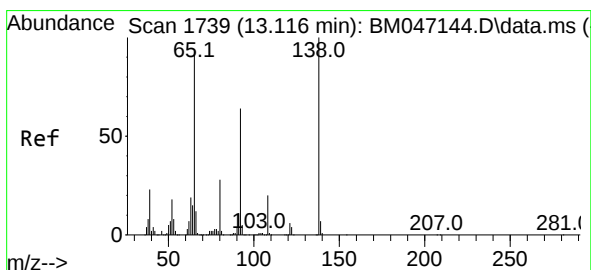
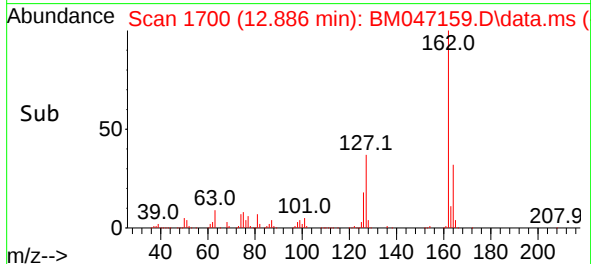
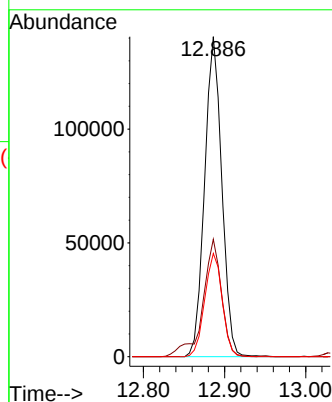
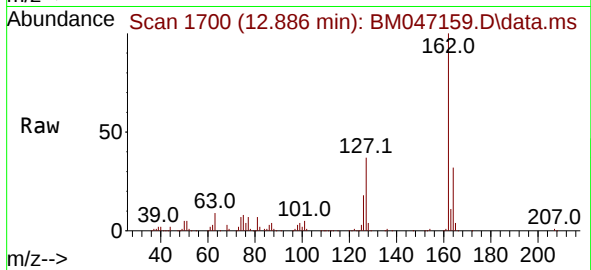
Tgt Ion:	162	Resp:	206470
Ion Ratio	Lower	Upper	
162	100		
127	36.7	30.0	45.0
164	32.3	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 4.534 ng

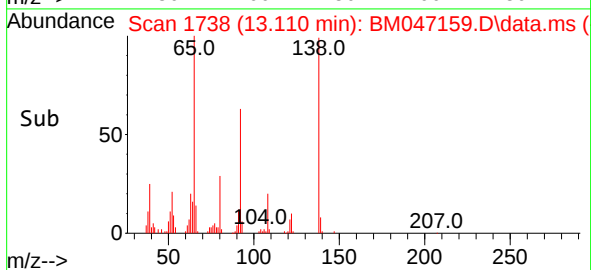
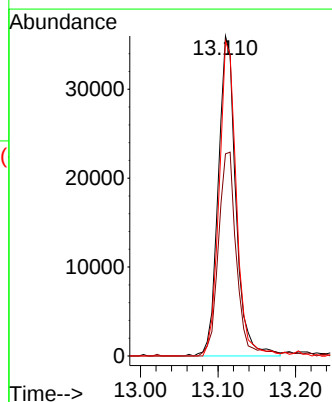
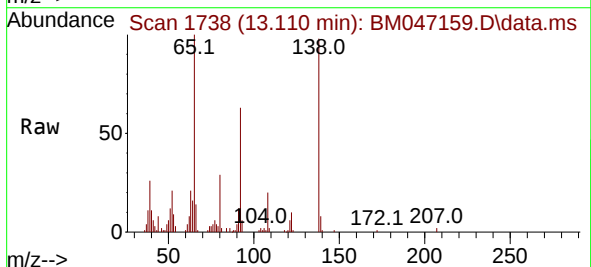
RT: 13.110 min Scan# 1738

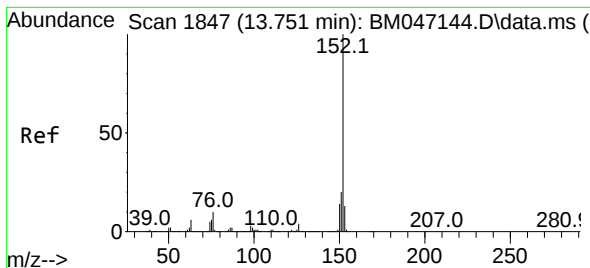
Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:	65	Resp:	56849
Ion Ratio	Lower	Upper	
65	100		
92	63.2	55.1	82.7
138	98.4	85.9	128.9





#49

Acenaphthylene

Concen: 5.642 ng

RT: 13.745 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047159.D

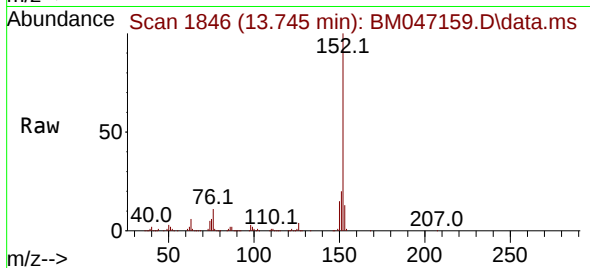
Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:152 Resp: 332860

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

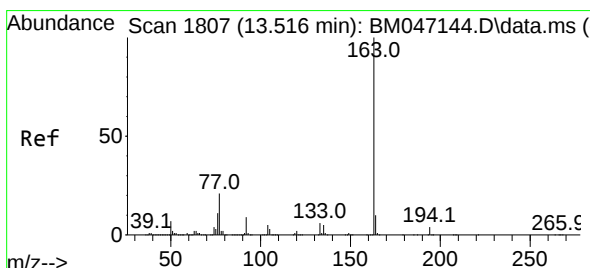
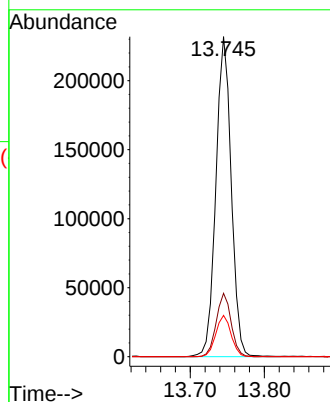
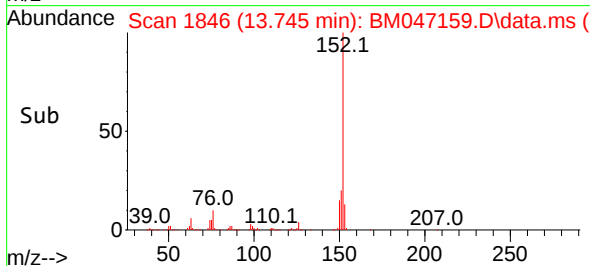
153 12.9 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

Concen: 5.216 ng

RT: 13.510 min Scan# 1806

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

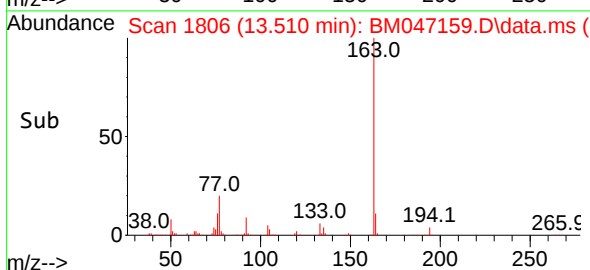
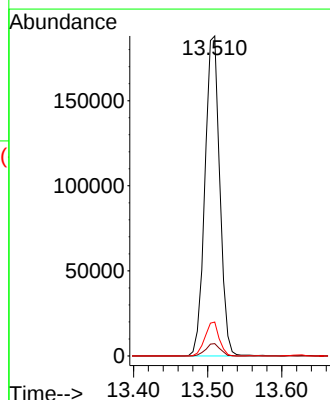
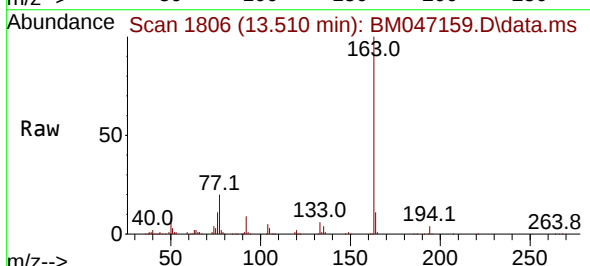
Tgt Ion:163 Resp: 262043

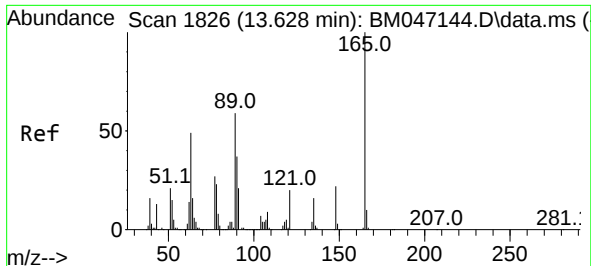
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

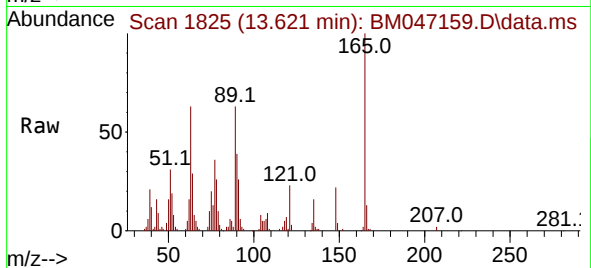
164 10.6 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 4.515 ng
RT: 13.621 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

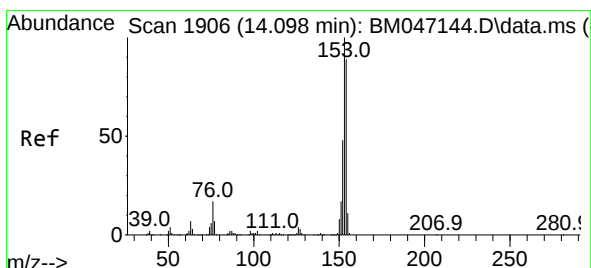
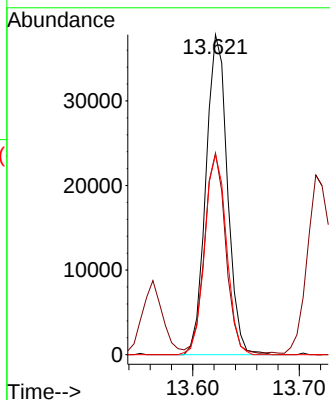
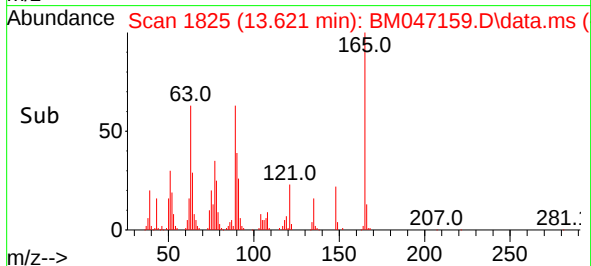
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2024



Tgt Ion:165 Resp: 5302
Ion Ratio Lower Upper
165 100
63 63.0 46.5 69.7
89 62.5 47.3 70.9

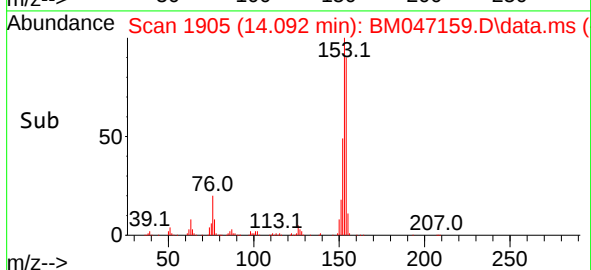
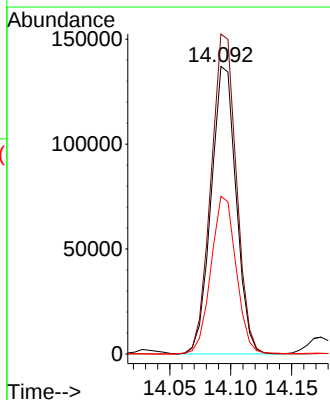
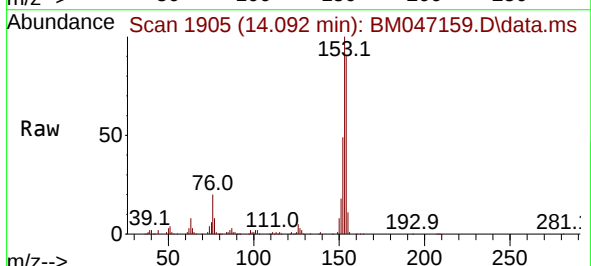
Manual Integrations
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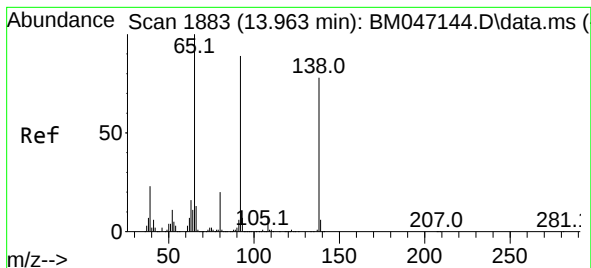
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#52
Acenaphthene
Concen: 5.247 ng
RT: 14.092 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

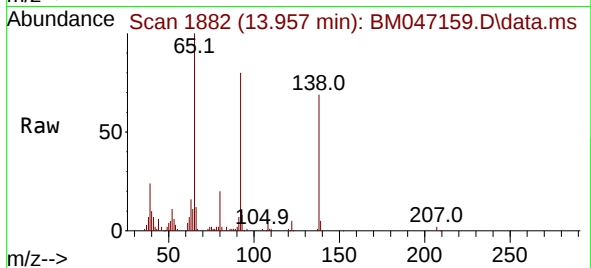
Tgt Ion:154 Resp: 196352
Ion Ratio Lower Upper
154 100
153 111.3 90.3 135.5
152 54.8 42.9 64.3





#53
3-Nitroaniline
Concen: 4.534 ng
RT: 13.957 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

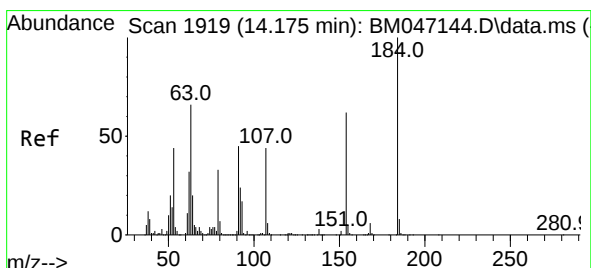
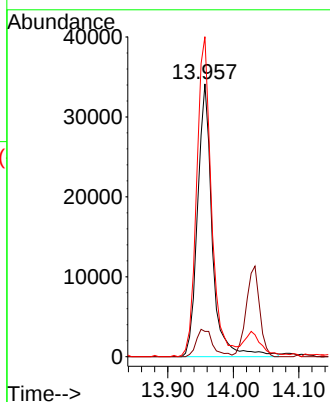
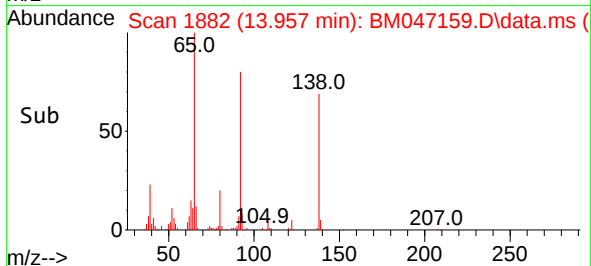
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:138 Resp: 53350
Ion Ratio Lower Upper
138 100
108 9.3 7.9 11.9
92 117.3 92.0 138.0

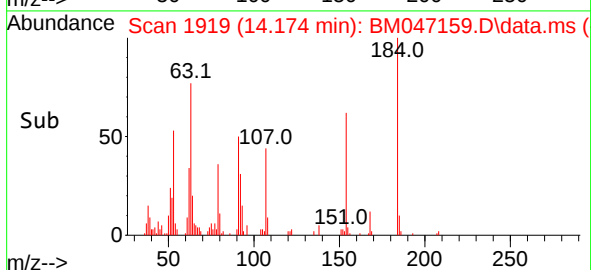
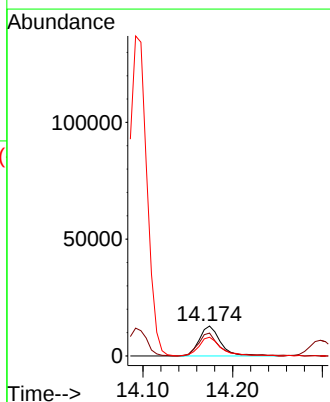
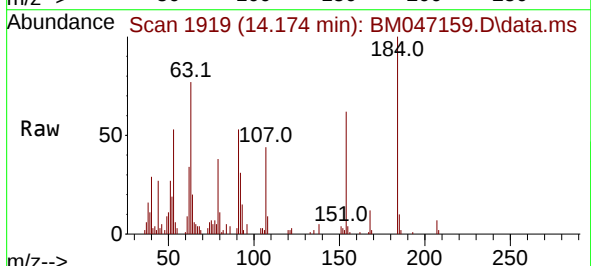
Manual Integrations
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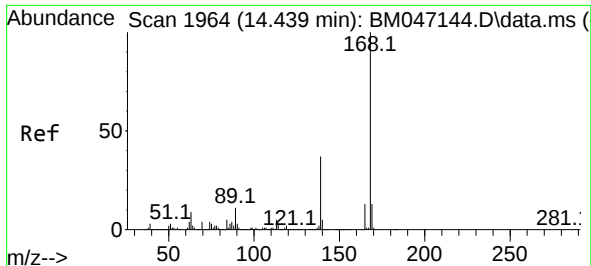
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#54
2,4-Dinitrophenol
Concen: 2.972 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

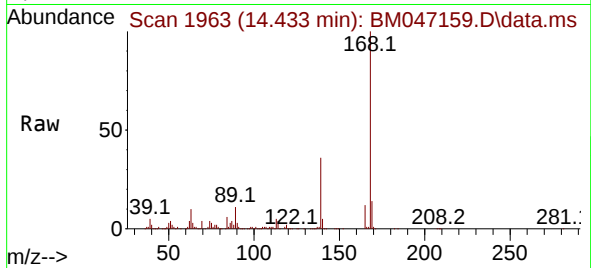
Tgt Ion:184 Resp: 20914
Ion Ratio Lower Upper
184 100
63 76.9 52.7 79.1
154 62.4 50.4 75.6





#55
Dibenzofuran
Concen: 5.533 ng
RT: 14.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

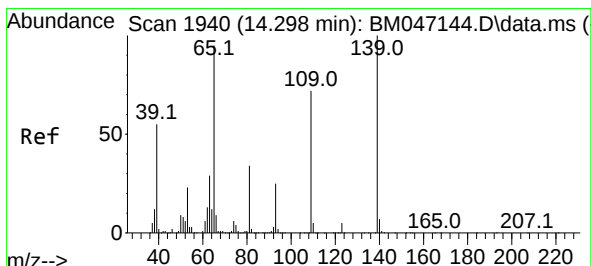
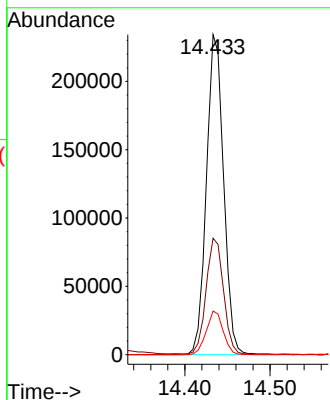
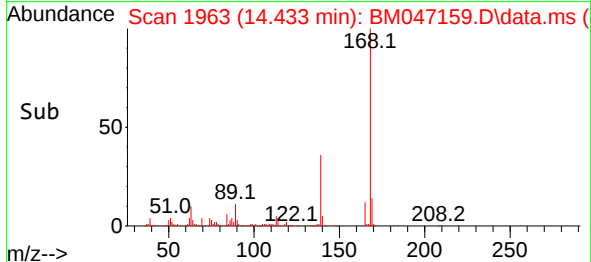
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:168 Resp: 327040
Ion Ratio Lower Upper
168 100
139 36.4 29.6 44.4
169 13.7 10.7 16.1

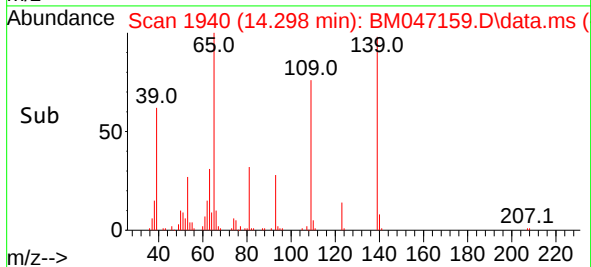
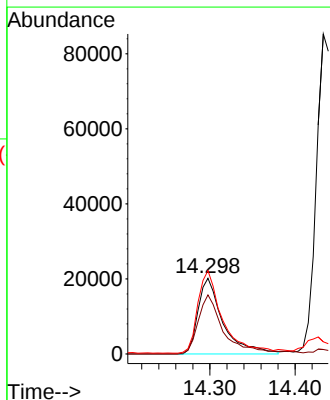
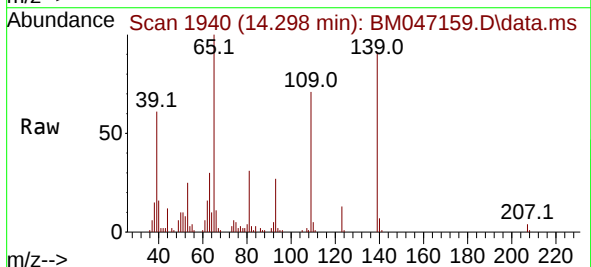
Manual Integrations
APPROVED

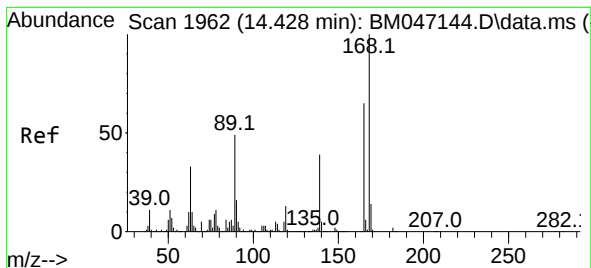
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#56
4-Nitrophenol
Concen: 4.034 ng
RT: 14.298 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

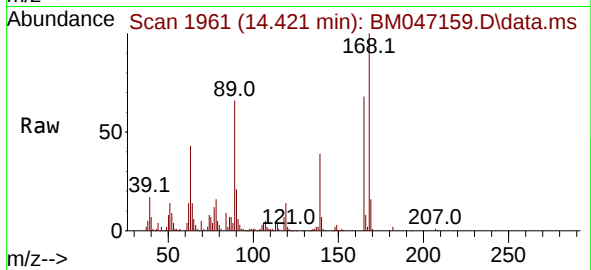
Tgt Ion:139 Resp: 40930
Ion Ratio Lower Upper
139 100
109 78.1 52.5 92.5
65 110.1 75.4 115.4





#57
2,4-Dinitrotoluene
Concen: 4.283 ng
RT: 14.421 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

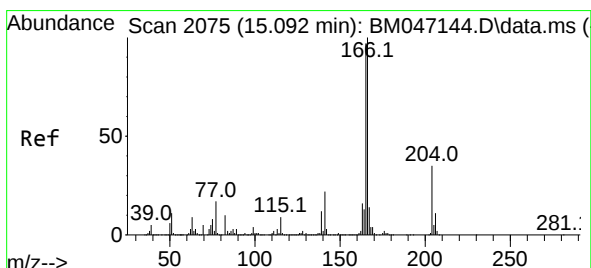
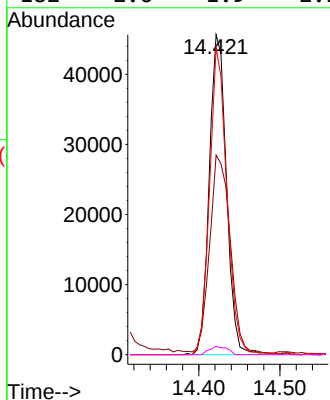
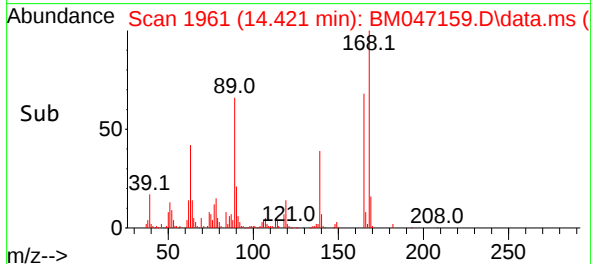
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:165 Resp: 67132
Ion Ratio Lower Upper
165 100
63 62.4 40.3 60.5
89 95.9 61.0 91.6
182 2.6 1.9 2.9

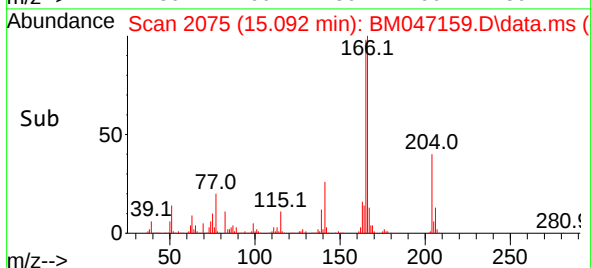
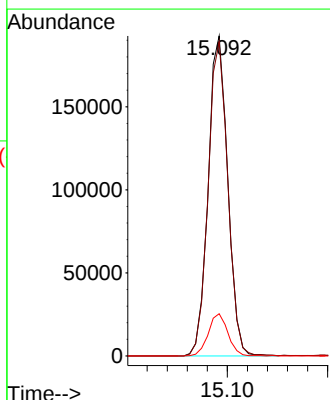
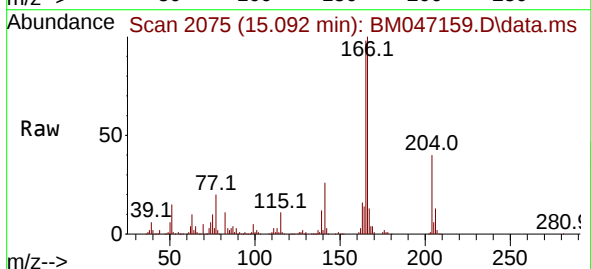
Manual Integrations
APPROVED

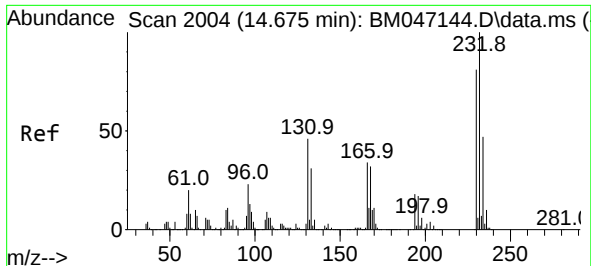
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#58
Fluorene
Concen: 5.358 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

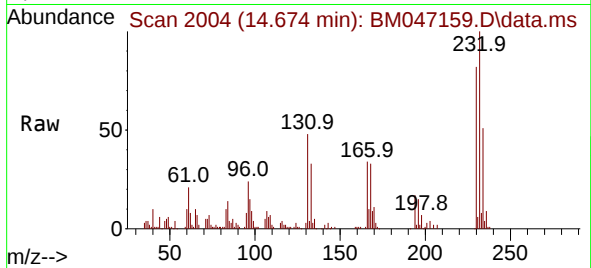
Tgt Ion:166 Resp: 261328
Ion Ratio Lower Upper
166 100
165 98.2 77.4 116.0
167 13.2 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.789 ng
RT: 14.674 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

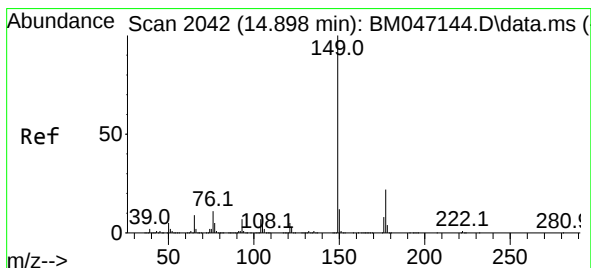
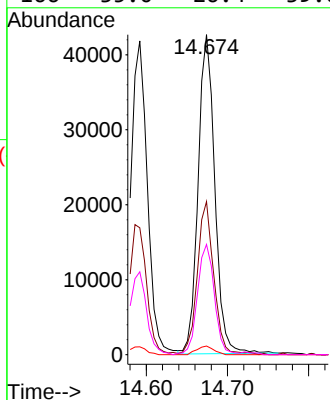
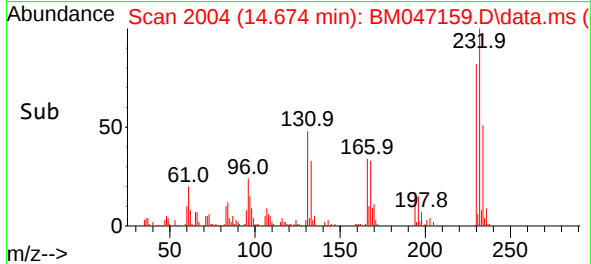
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



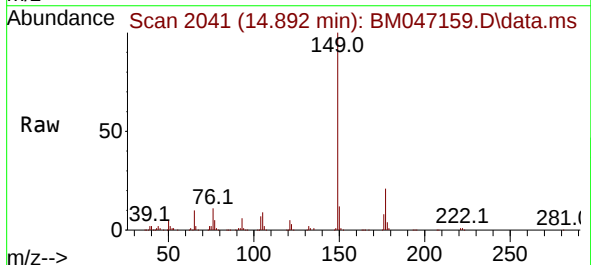
Tgt Ion:232 Resp: 60939
Ion Ratio Lower Upper
232 100
131 47.5 36.9 55.3
130 2.8 2.0 3.0
166 35.0 26.4 39.6

Manual Integrations
APPROVED

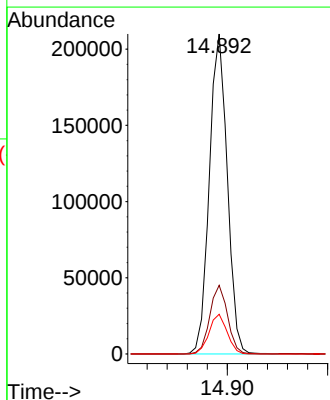
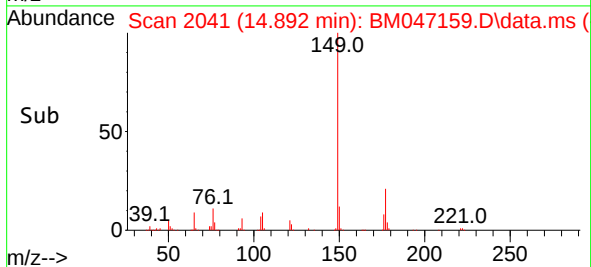
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

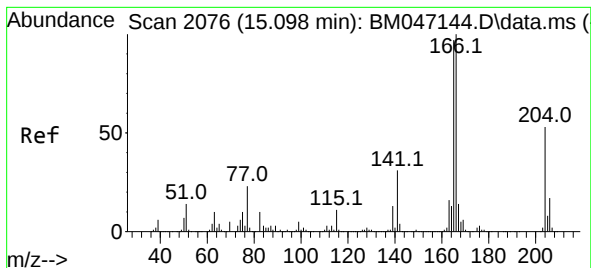


#60
Diethylphthalate
Concen: 5.078 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



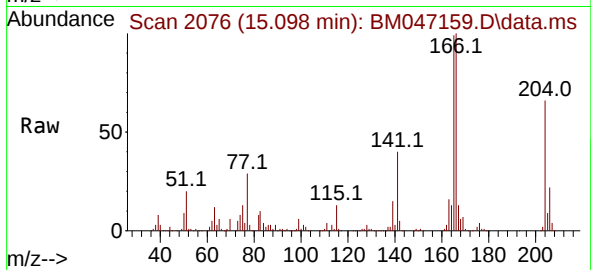
Tgt Ion:149 Resp: 260478
Ion Ratio Lower Upper
149 100
177 21.5 17.6 26.4
150 12.4 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 5.302 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

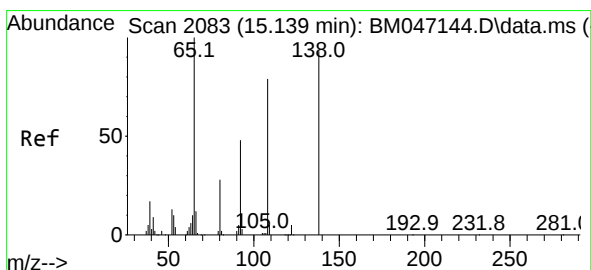
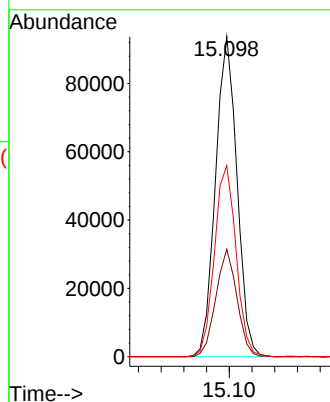
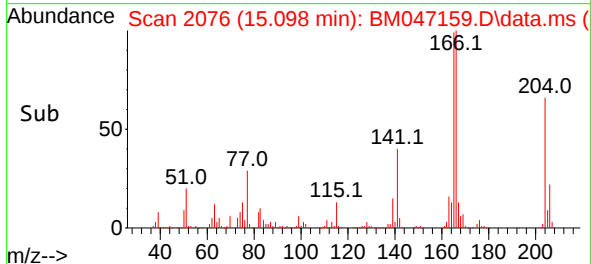
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



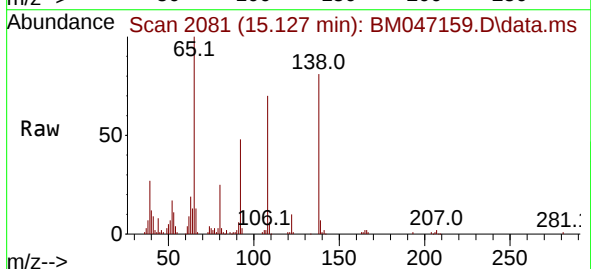
Tgt Ion:204 Resp: 123114
Ion Ratio Lower Upper
204 100
206 33.6 26.2 39.4
141 59.7 47.2 70.8

Manual Integrations
APPROVED

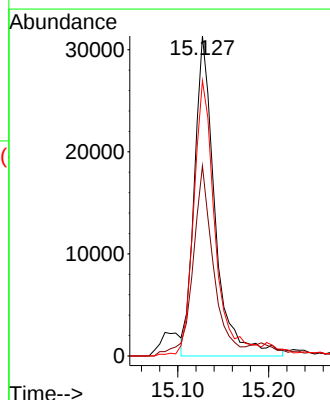
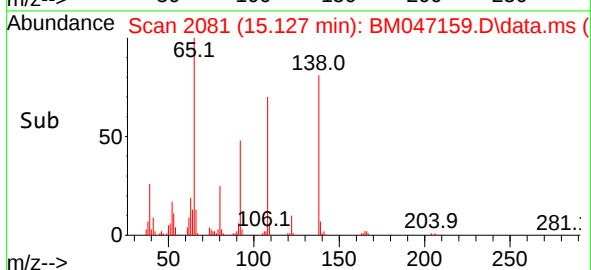
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

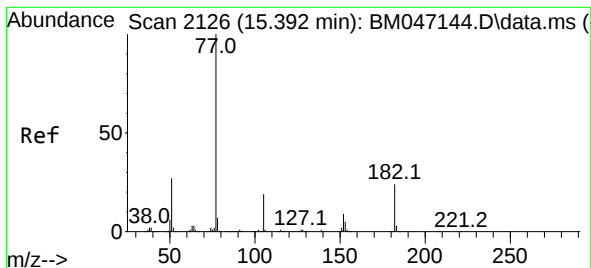


#62
4-Nitroaniline
Concen: 4.282 ng m
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



Tgt Ion:138 Resp: 49635
Ion Ratio Lower Upper
138 100
92 59.4 31.9 71.9
108 86.0 63.8 103.8





#63

Azobenzene

Concen: 5.280 ng

RT: 15.392 min Scan# 2126

Delta R.T. -0.000 min

Lab File: BM047159.D

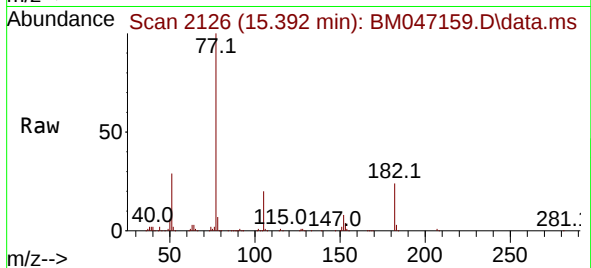
Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion: 77 Resp: 256798

Ion Ratio Lower Upper

77 100

182 24.4 3.8 43.8

105 19.8 0.0 39.5

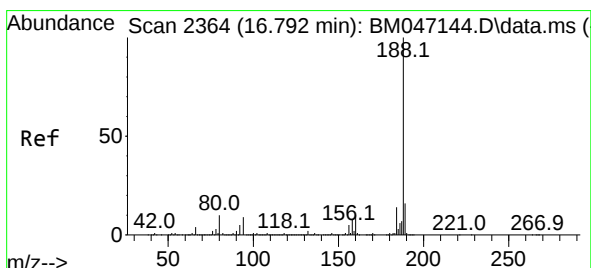
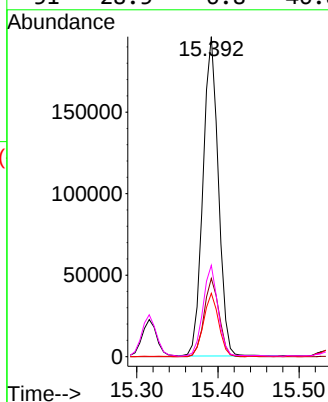
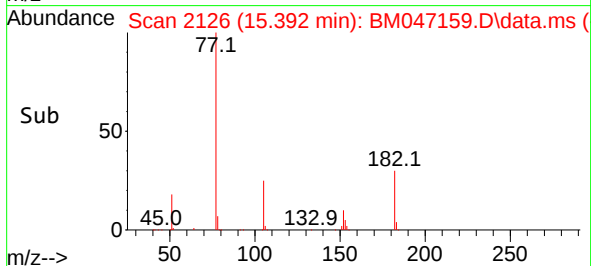
51 28.5 6.8 46.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.792 min Scan# 2364

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

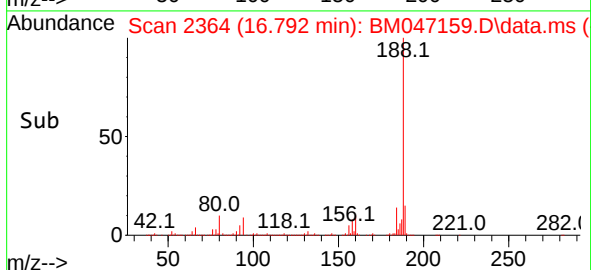
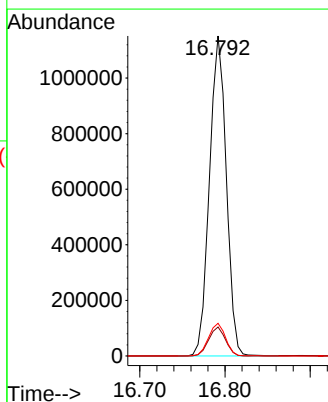
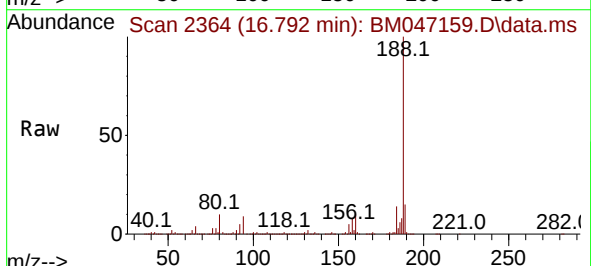
Tgt Ion:188 Resp: 1582517

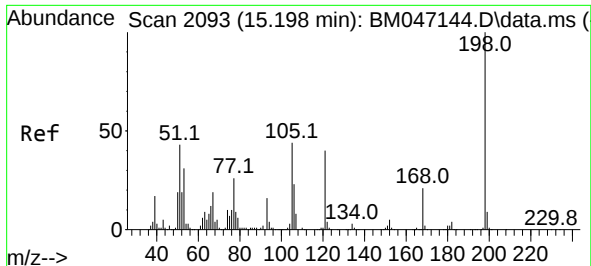
Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 10.2 8.0 12.0





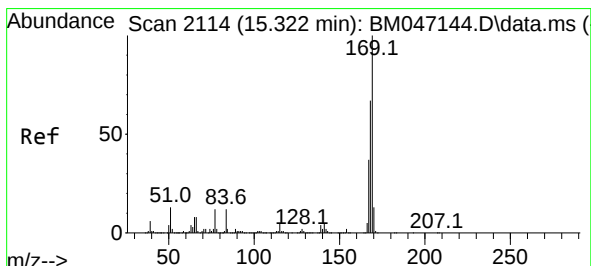
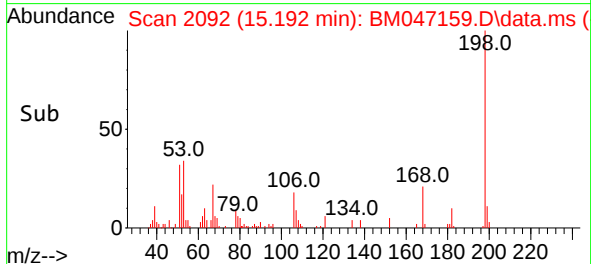
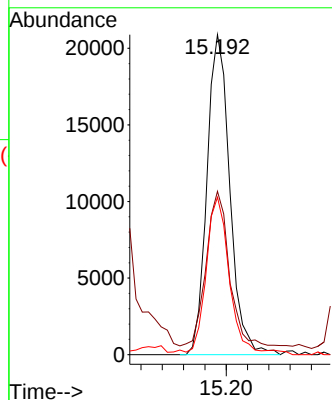
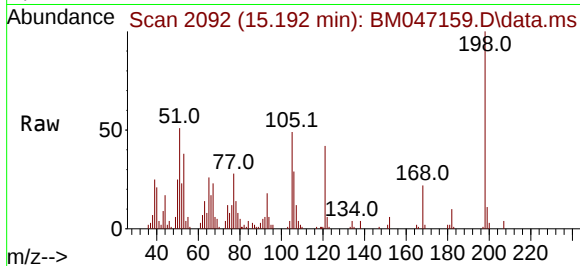
#65
4,6-Dinitro-2-methylphenol
Concen: 3.364 ng
RT: 15.192 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:198 Resp: 3116
Ion Ratio Lower Upper
198 100
51 51.1 23.9 63.9
105 49.2 24.3 64.3

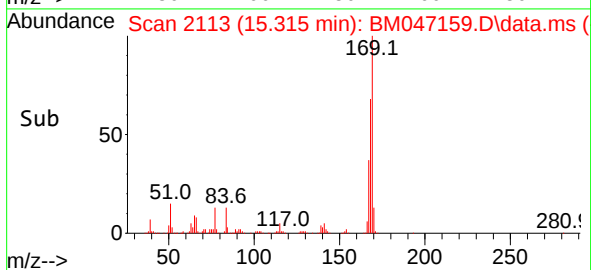
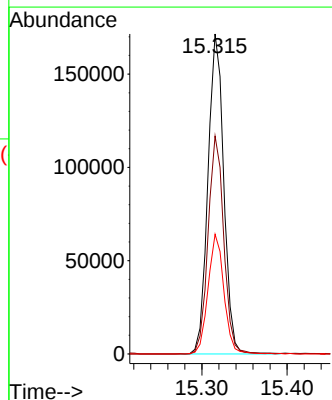
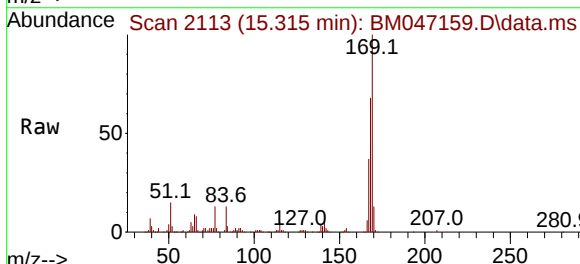
Manual Integrations
APPROVED

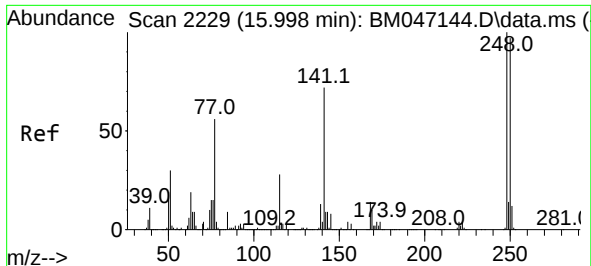
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#66
n-Nitrosodiphenylamine
Concen: 5.123 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

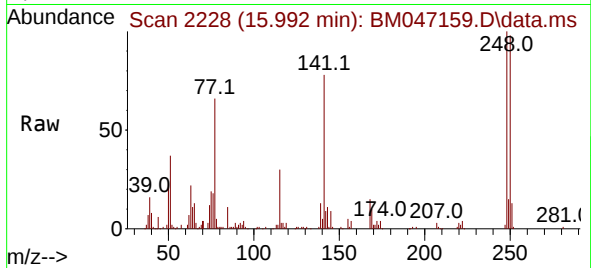
Tgt Ion:169 Resp: 220841
Ion Ratio Lower Upper
169 100
168 68.1 53.8 80.8
167 37.4 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 4.634 ng
RT: 15.992 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

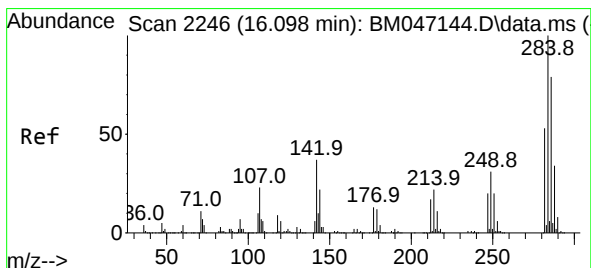
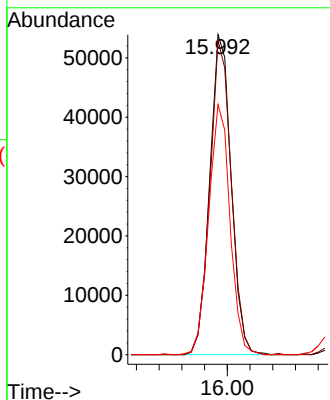
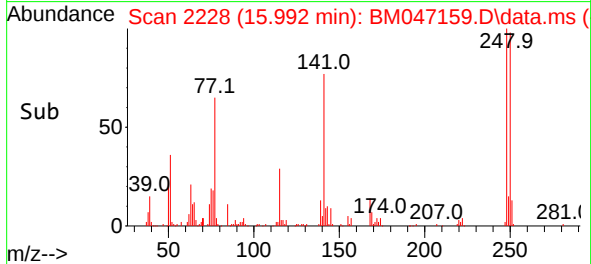
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



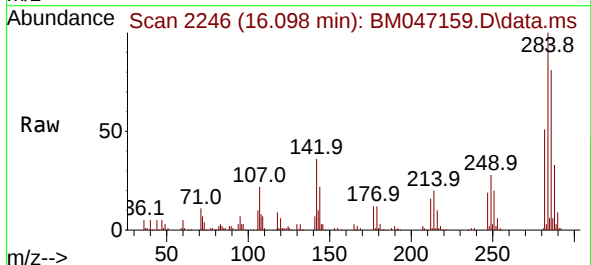
Tgt Ion:248 Resp: 7067
Ion Ratio Lower Upper
248 100
250 98.2 77.8 116.8
141 78.2 57.7 86.5

Manual Integrations
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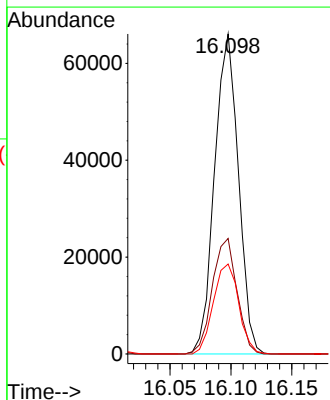
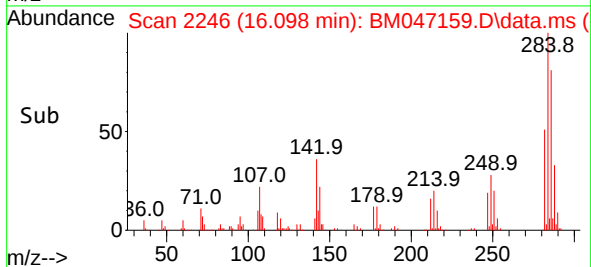
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

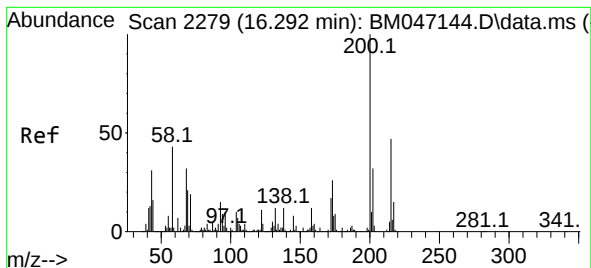


#68
Hexachlorobenzene
Concen: 4.922 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



Tgt Ion:284 Resp: 89893
Ion Ratio Lower Upper
284 100
142 36.1 29.4 44.0
249 28.1 25.1 37.7





#69

Atrazine

Concen: 5.784 ng

RT: 16.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

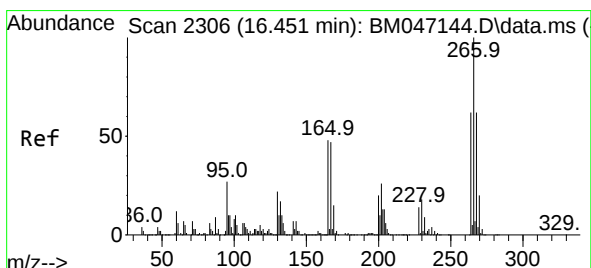
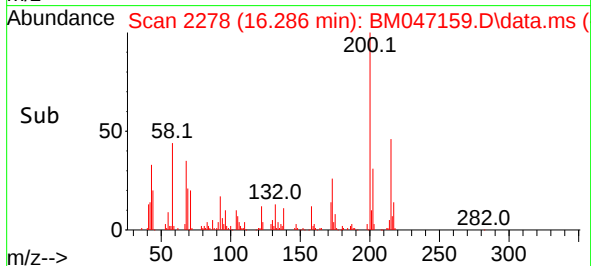
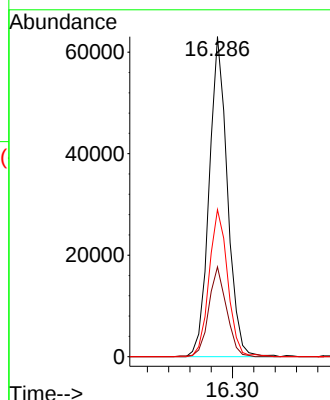
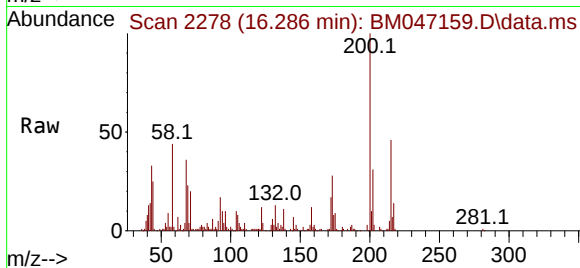
Tgt Ion:200 Resp: 75010
 Ion Ratio Lower Upper
 200 100
 173 28.1 6.1 46.1
 215 46.0 26.8 66.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#70

Pentachlorophenol

Concen: 3.472 ng

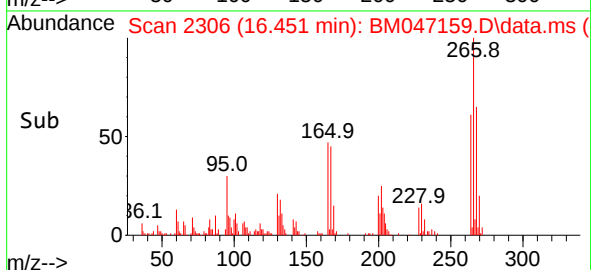
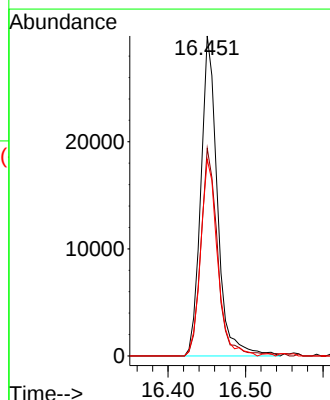
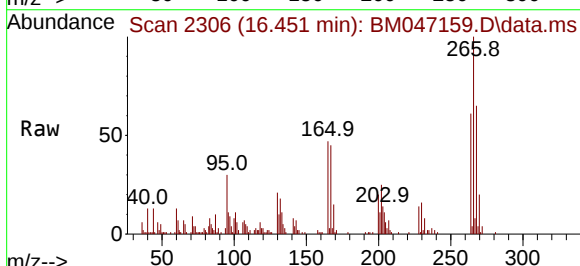
RT: 16.451 min Scan# 2306

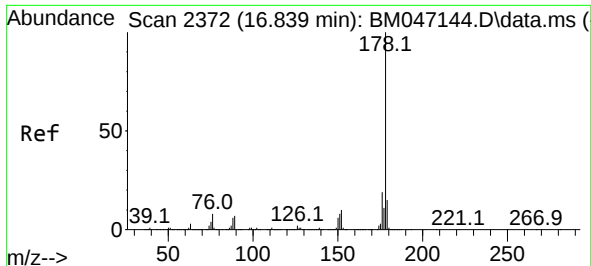
Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

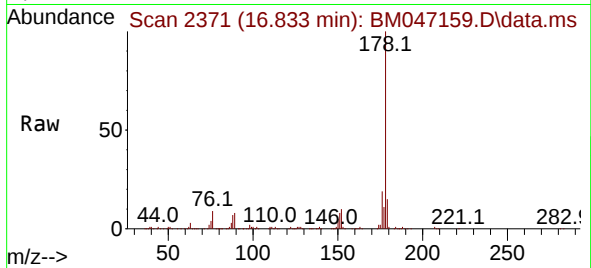
Tgt Ion:266 Resp: 44454
 Ion Ratio Lower Upper
 266 100
 268 64.9 49.8 74.6
 264 61.4 49.6 74.4





#71
Phenanthrene
Concen: 5.446 ng
RT: 16.833 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

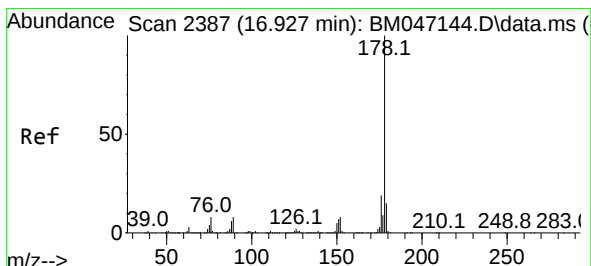
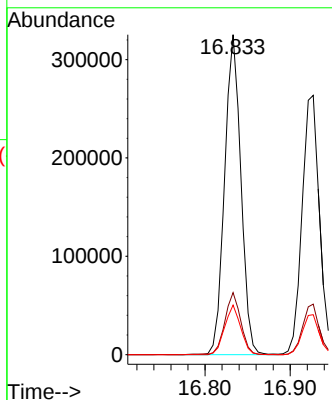
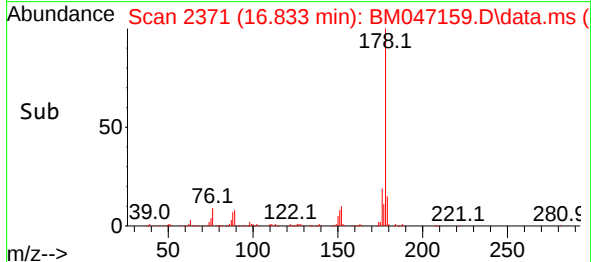
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



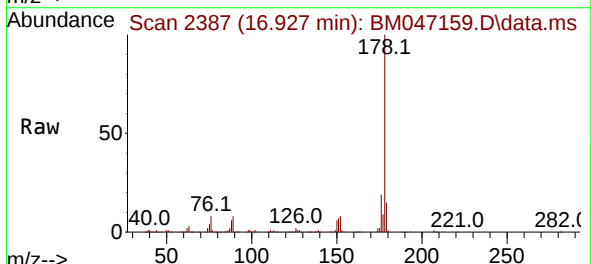
Tgt Ion:178 Resp: 432490
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.5 12.4 18.6

Manual Integrations
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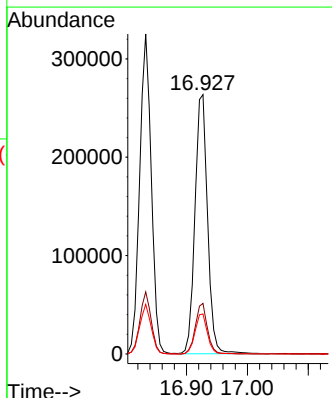
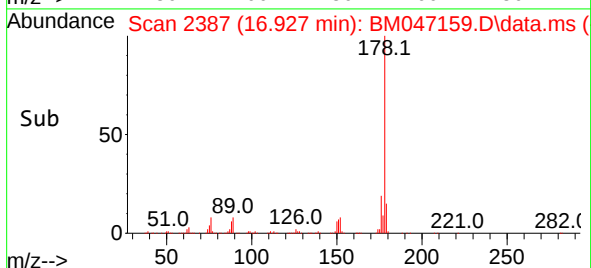
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

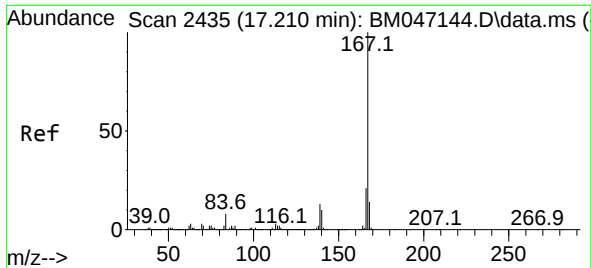


#72
Anthracene
Concen: 4.908 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



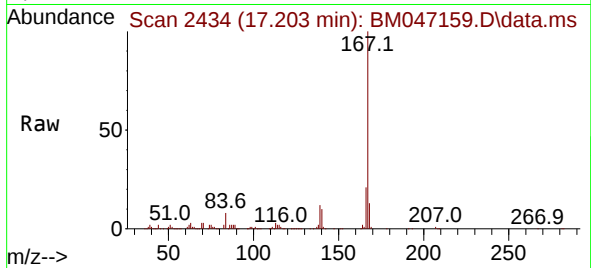
Tgt Ion:178 Resp: 379252
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 15.4 12.4 18.6





#73
 Carbazole
 Concen: 4.946 ng
 RT: 17.203 min Scan# 2435
 Delta R.T. -0.006 min
 Lab File: BM047159.D
 Acq: 12 Aug 2024 17:28

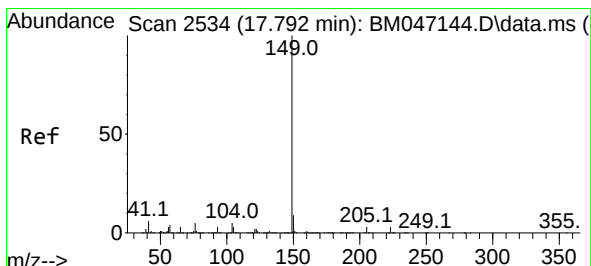
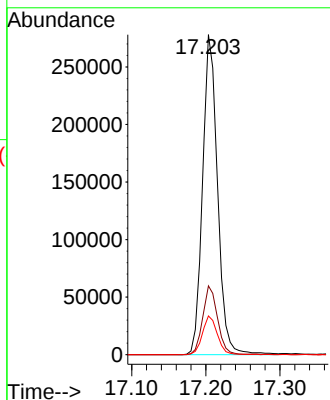
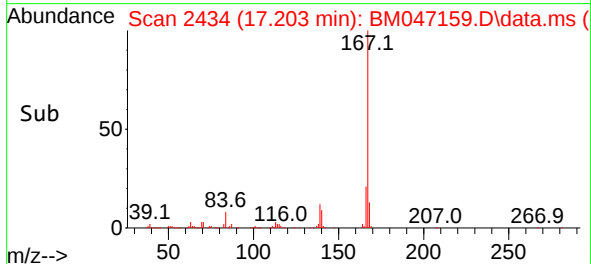
Instrument : BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024



Tgt Ion:167 Resp: 39023
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 12.1 10.0 15.0

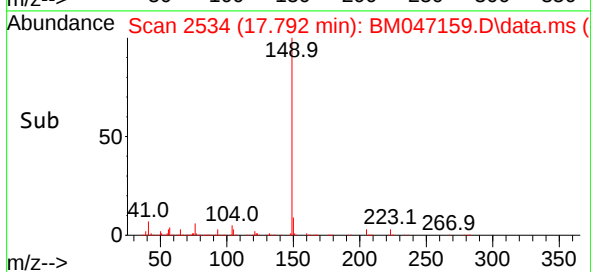
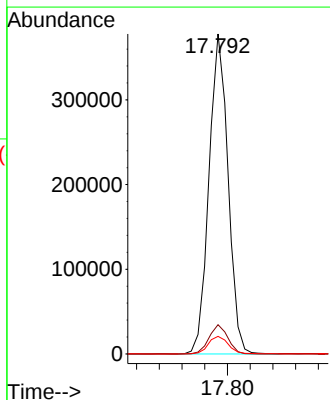
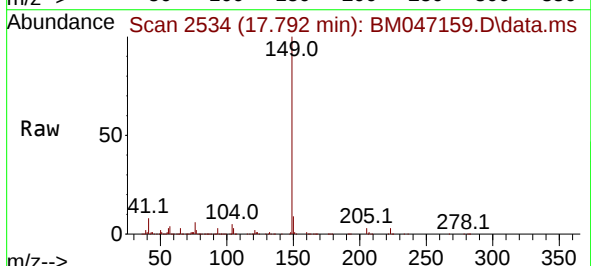
Manual Integrations
 APPROVED

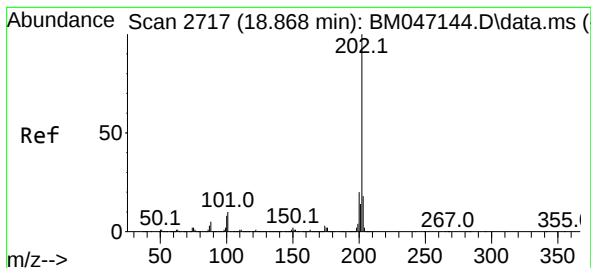
Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024



#74
 Di-n-butylphthalate
 Concen: 4.801 ng
 RT: 17.792 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: BM047159.D
 Acq: 12 Aug 2024 17:28

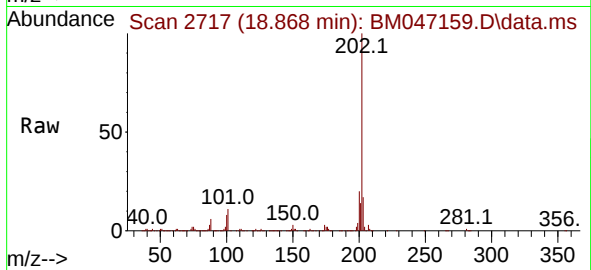
Tgt Ion:149 Resp: 440747
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 5.5 4.1 6.1





#75
Fluoranthene
Concen: 4.971 ng
RT: 18.868 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

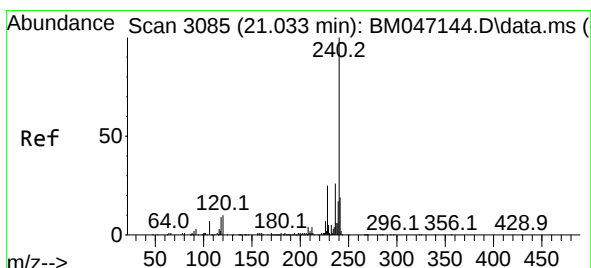
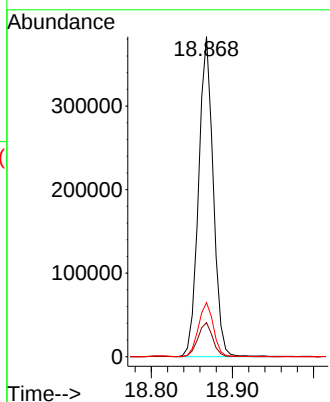
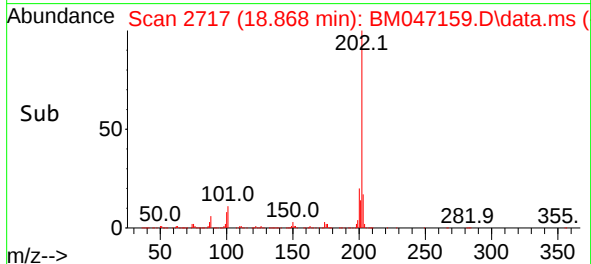
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:202 Resp: 480192
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.2
203 16.9 0.0 37.6

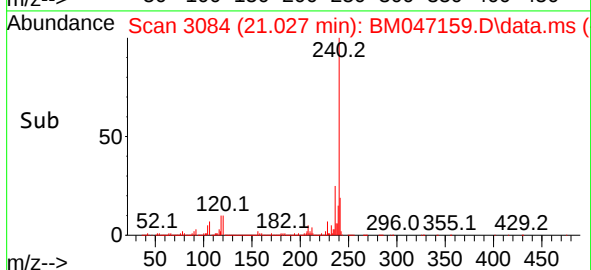
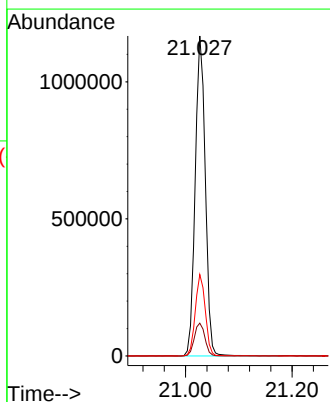
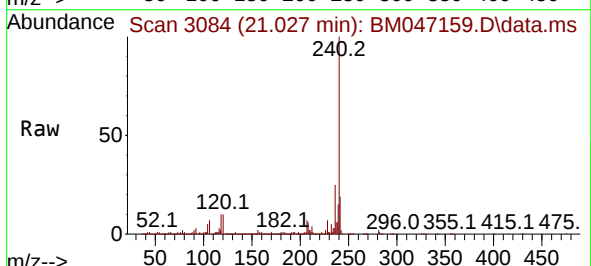
Manual Integrations
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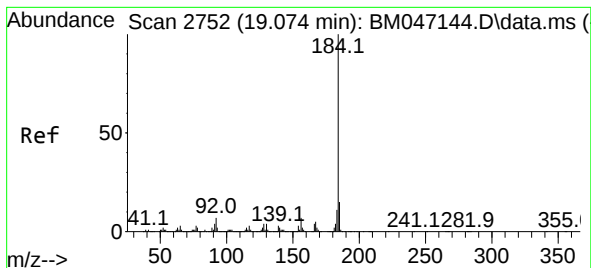
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

Tgt Ion:240 Resp: 1533970
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 25.4 20.6 30.8





#77

Benzidine

Concen: 4.277 ng

RT: 19.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

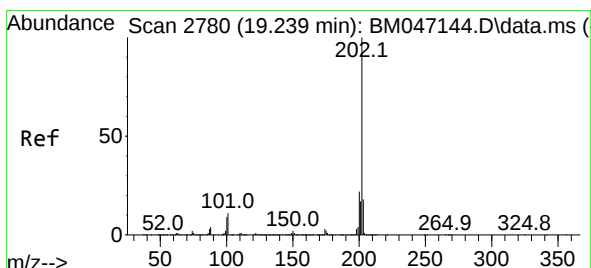
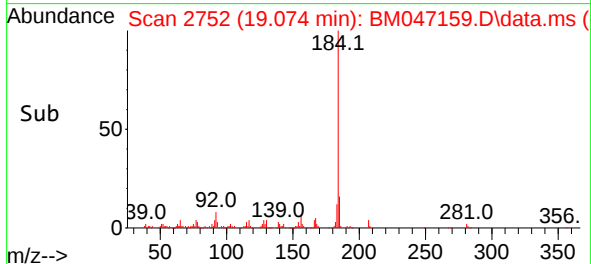
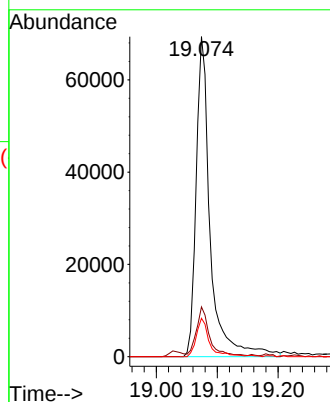
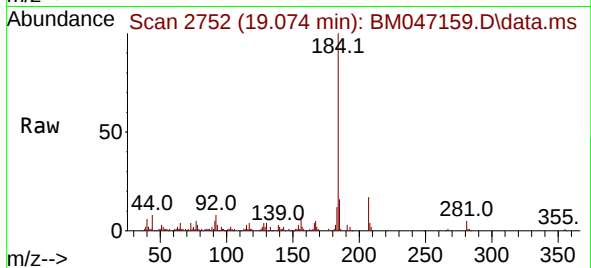
Tgt Ion:184 Resp: 111254
 Ion Ratio Lower Upper
 184 100
 185 15.6 11.8 17.6
 183 12.0 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#78

Pyrene

Concen: 4.597 ng

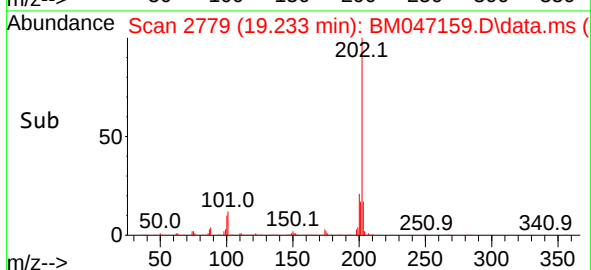
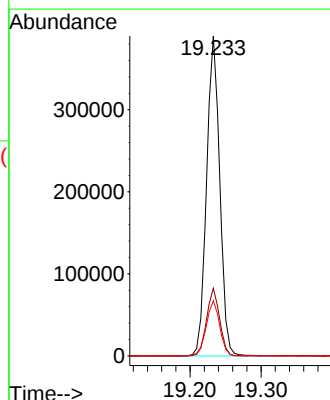
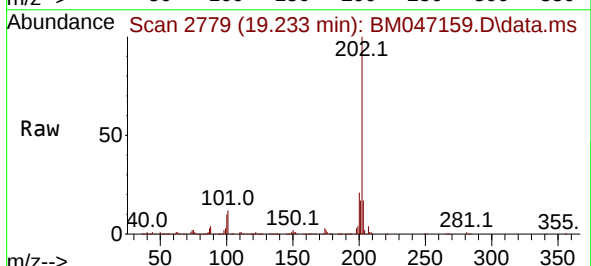
RT: 19.233 min Scan# 2779

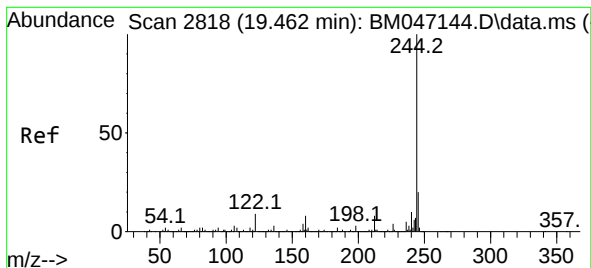
Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:202 Resp: 503546
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.2 25.8
 203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 86.347 ng

RT: 19.462 min Scan# 2818

Delta R.T. -0.000 min

Lab File: BM047159.D

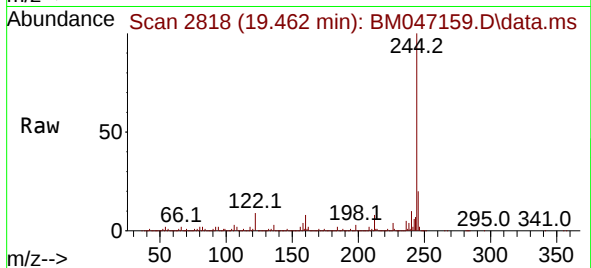
Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:244 Resp: 618146

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.4

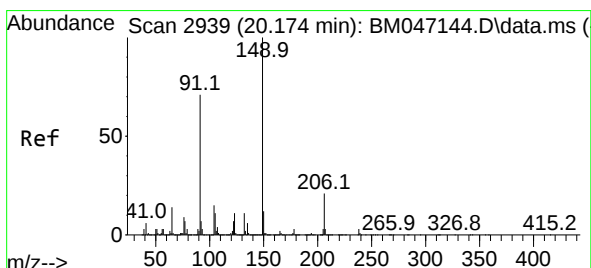
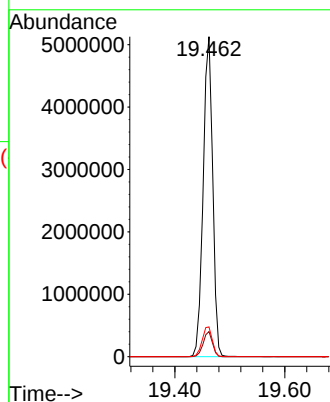
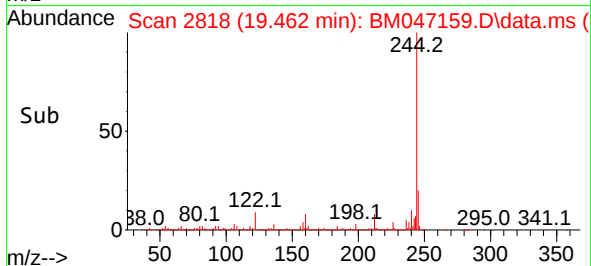
122 9.3 7.1 10.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#80

Butylbenzylphthalate

Concen: 4.285 ng

RT: 20.174 min Scan# 2939

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

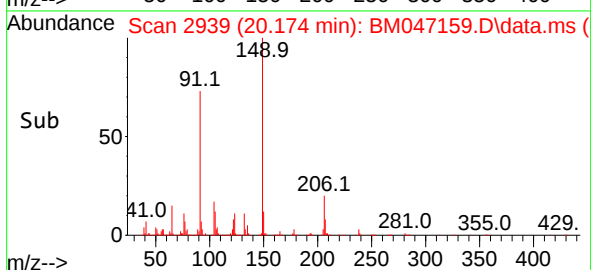
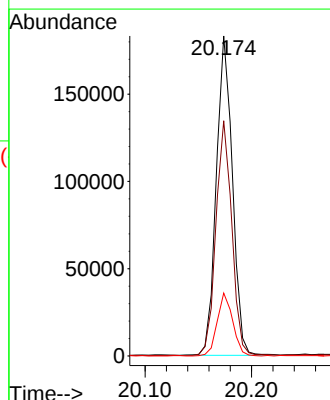
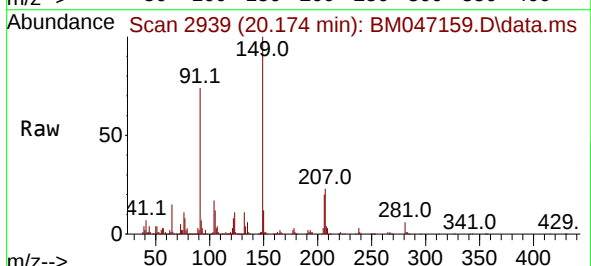
Tgt Ion:149 Resp: 191527

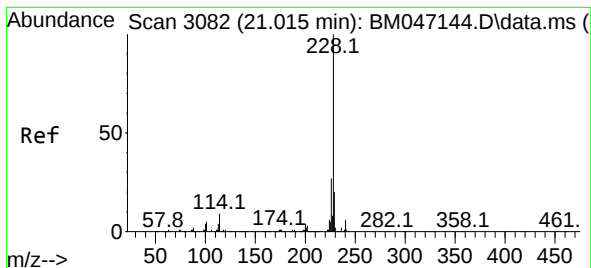
Ion Ratio Lower Upper

149 100

91 73.5 57.0 85.4

206 19.7 16.4 24.6





#81

Benzo(a)anthracene

Concen: 4.955 ng

RT: 21.009 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

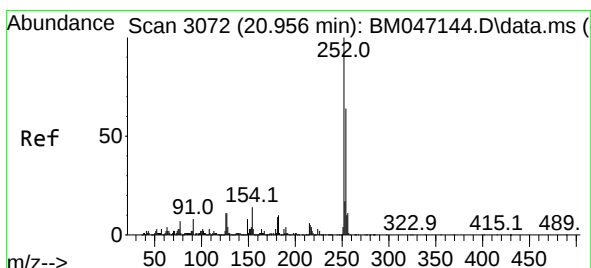
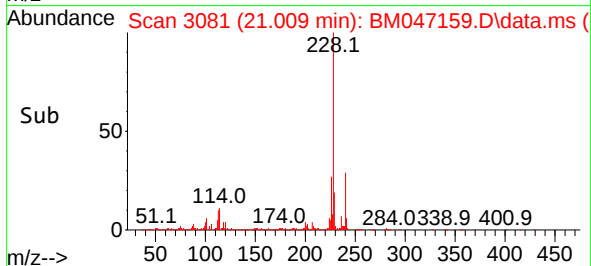
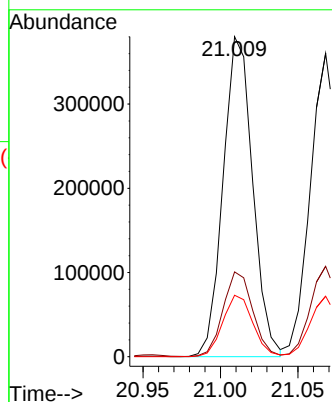
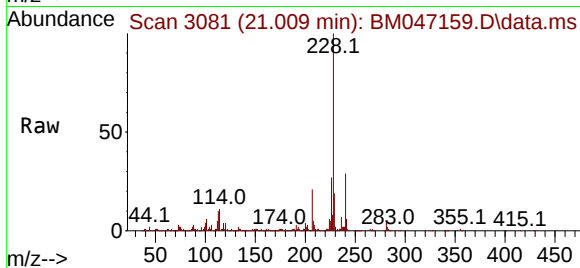
Tgt Ion:228	Resp: 50457
Ion Ratio	Lower Upper
228 100	
226 26.5	21.8 32.6
229 19.2	15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#82

3,3'-Dichlorobenzidine

Concen: 5.146 ng

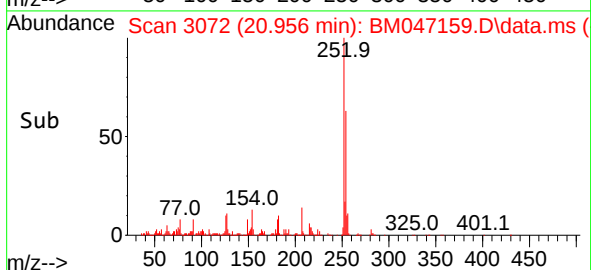
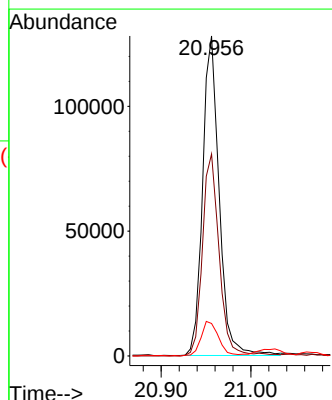
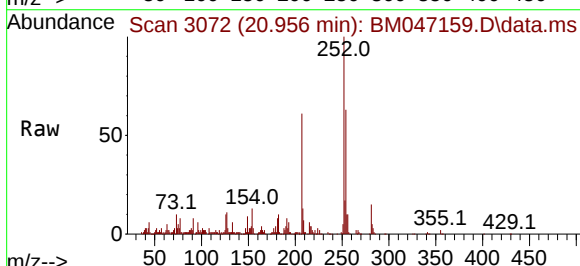
RT: 20.956 min Scan# 3072

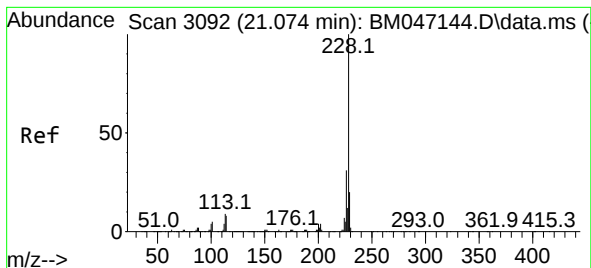
Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:252	Resp: 163956
Ion Ratio	Lower Upper
252 100	
254 63.1	51.0 76.6
126 10.1	8.5 12.7





#83

Chrysene

Concen: 4.911 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:228 Resp: 474445

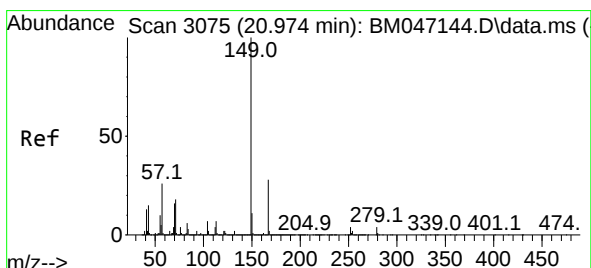
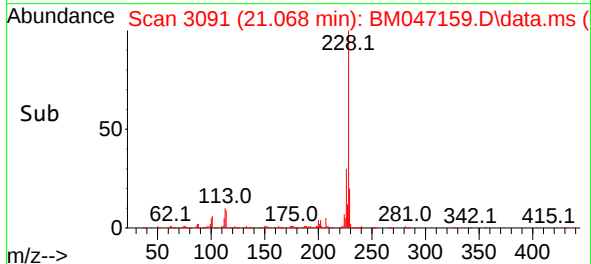
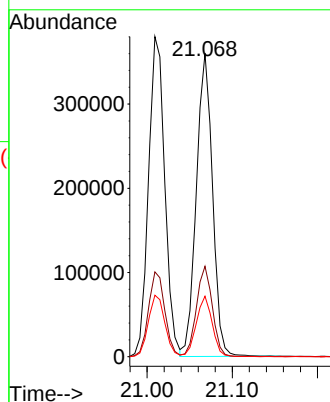
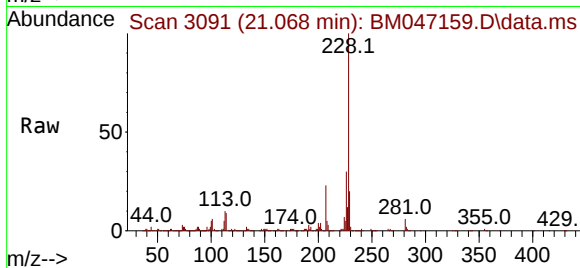
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	19.9	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.564 ng

RT: 20.974 min Scan# 3075

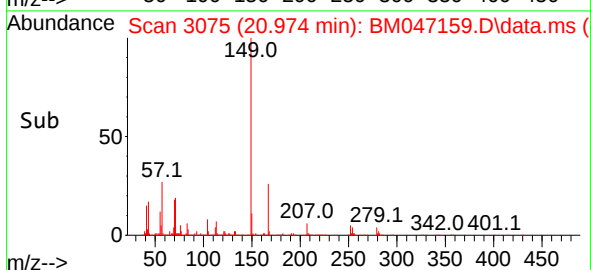
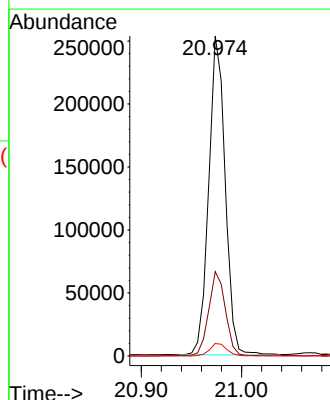
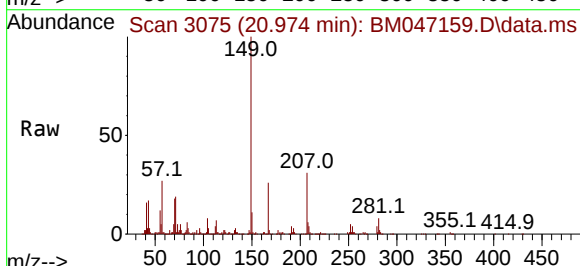
Delta R.T. -0.000 min

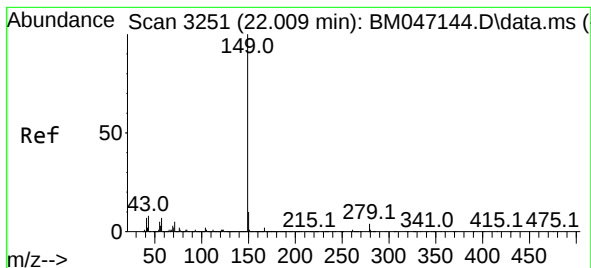
Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:149 Resp: 289291

Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.2	33.2
279	3.9	3.0	4.4





#85

Di-n-octyl phthalate

Concen: 4.120 ng

RT: 22.009 min Scan# 3251

Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

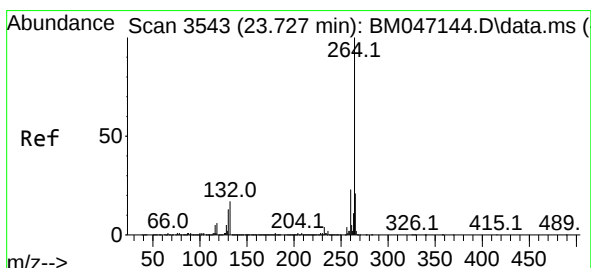
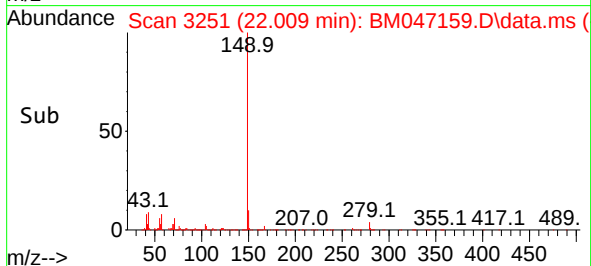
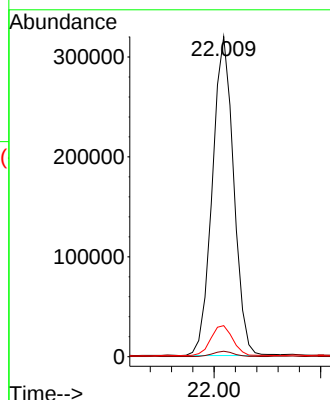
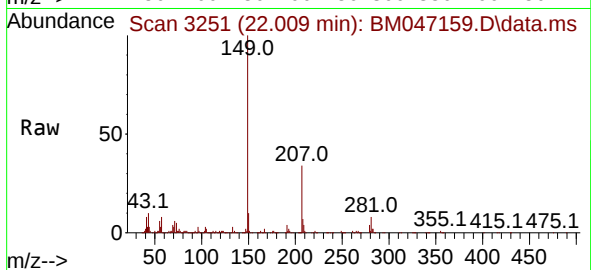
ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:149 Resp: 443883
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 9.7 6.9 10.3

Manual Integrations
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Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024



#86

Perylene-d12

Concen: 20.000 ng

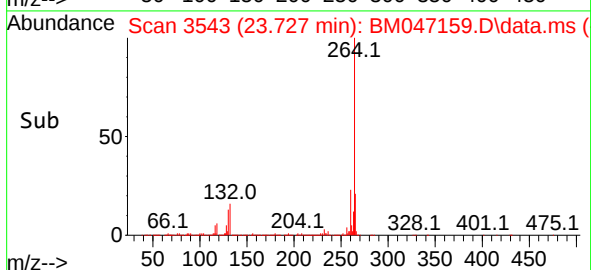
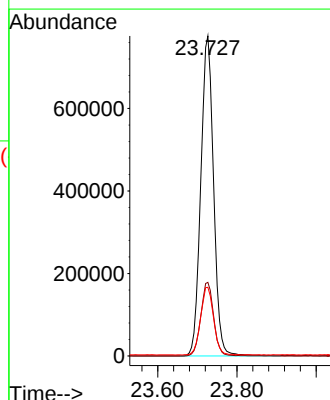
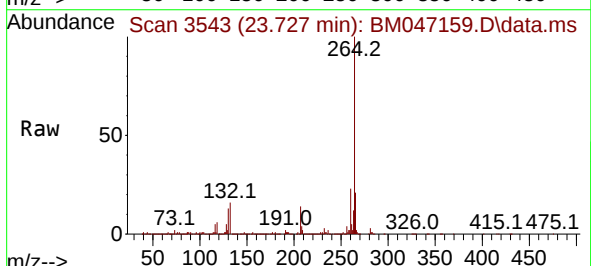
RT: 23.727 min Scan# 3543

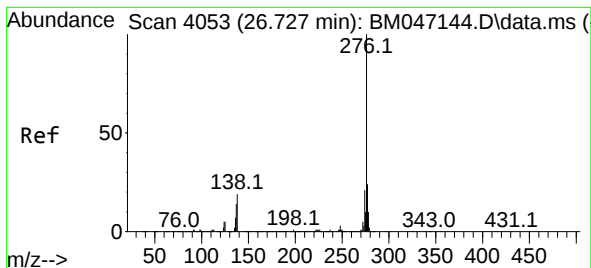
Delta R.T. -0.000 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:264 Resp: 1738821
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.5 27.7
 265 21.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.967 ng

RT: 26.709 min Scan# 4053

Delta R.T. -0.018 min

Lab File: BM047159.D

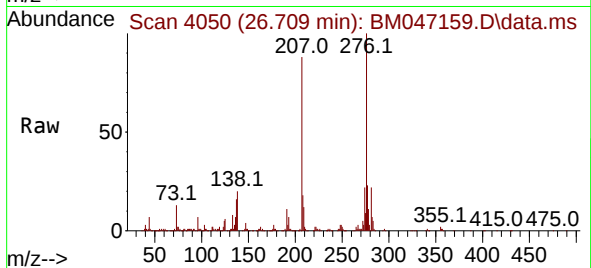
Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:276 Resp: 558269

Ion Ratio Lower Upper

276 100

138 25.7 19.4 29.0

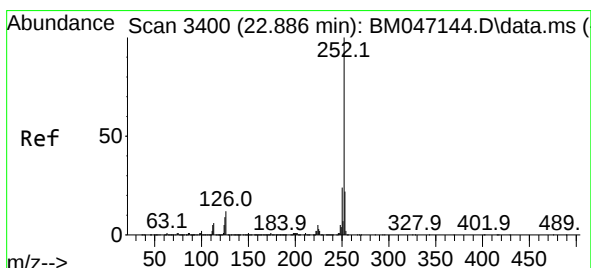
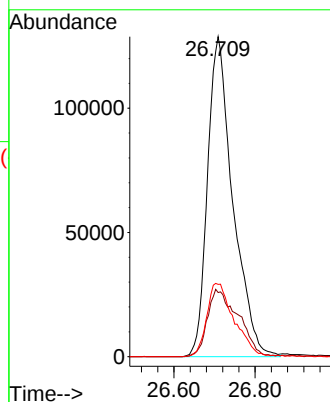
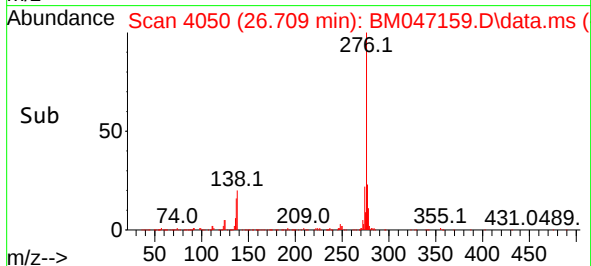
277 24.8 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#88

Benzo(b)fluoranthene

Concen: 4.939 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

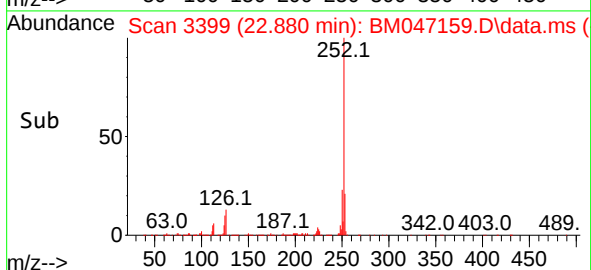
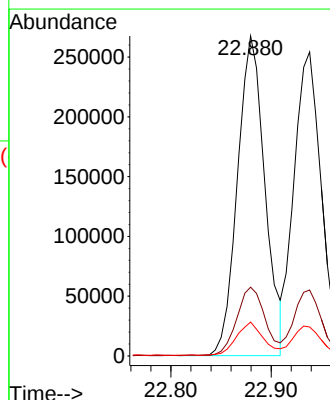
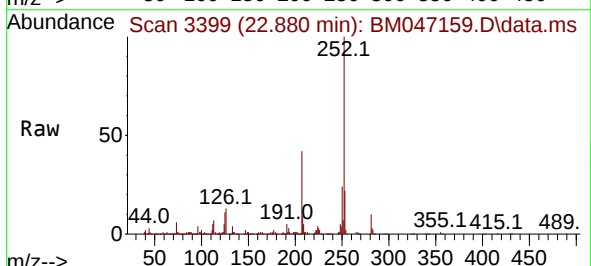
Tgt Ion:252 Resp: 509979

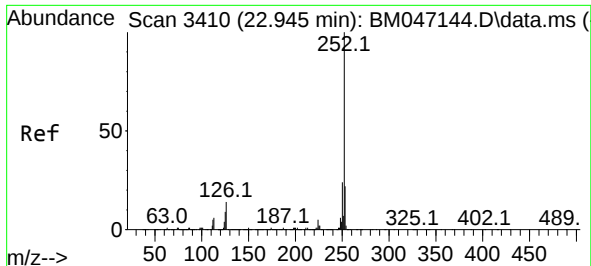
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

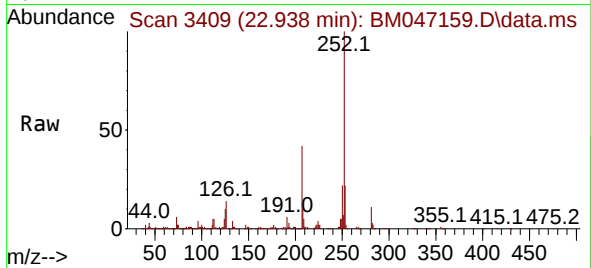
125 10.6 7.4 11.0





#89
Benzo(k)fluoranthene
Concen: 4.980 ng
RT: 22.938 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28

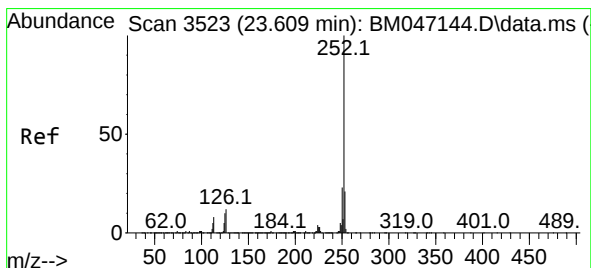
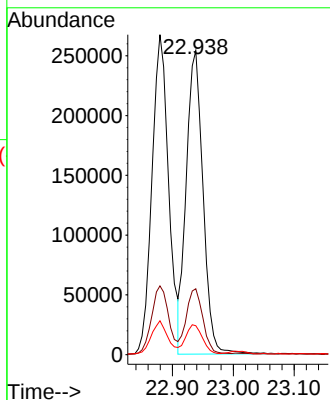
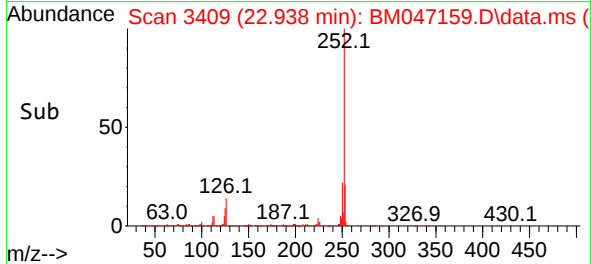
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



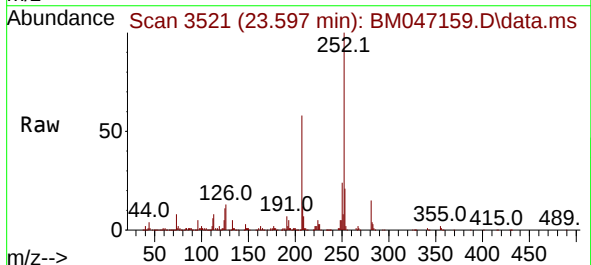
Tgt Ion:252 Resp: 48577
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 9.5 7.4 11.2

Manual Integrations
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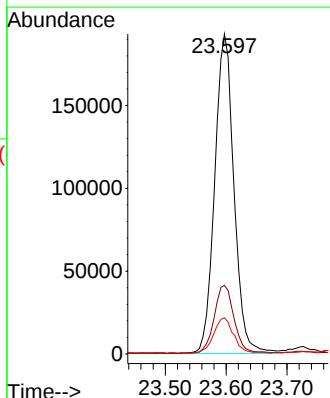
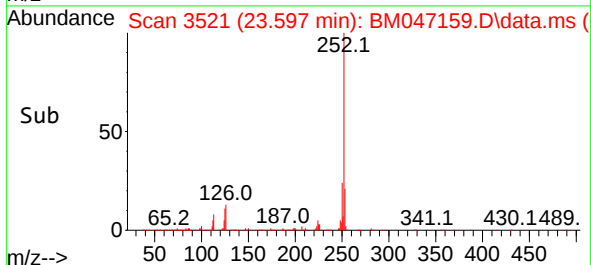
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

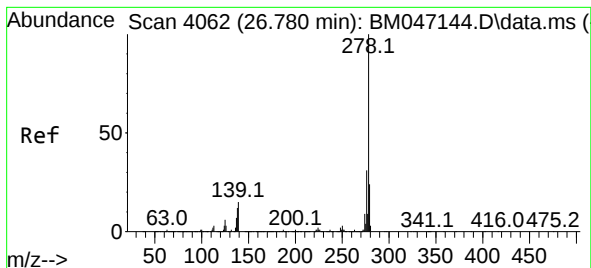


#90
Benzo(a)pyrene
Concen: 4.736 ng
RT: 23.597 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BM047159.D
Acq: 12 Aug 2024 17:28



Tgt Ion:252 Resp: 423623
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 11.3 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 5.156 ng

RT: 26.768 min Scan# 4062

Delta R.T. -0.012 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

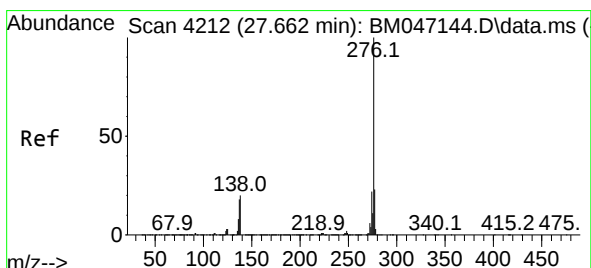
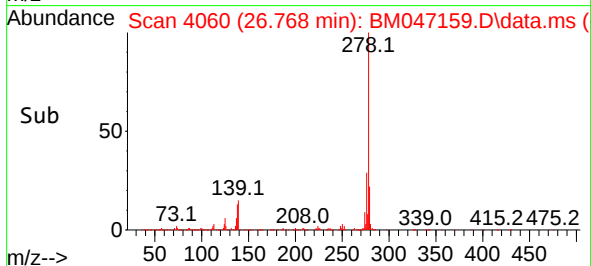
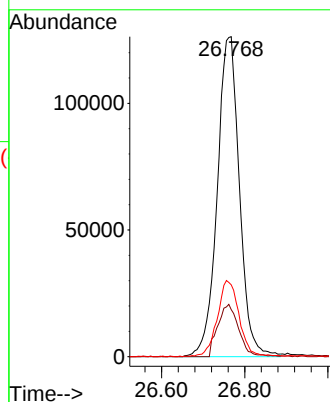
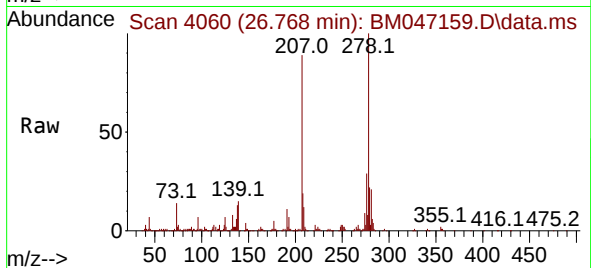
Tgt Ion:	278	Resp:	468994
Ion Ratio	Lower	Upper	
278	100		
139	14.7	12.0	18.0
279	22.5	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#92

Benzo(g,h,i)perylene

Concen: 4.867 ng

RT: 27.638 min Scan# 4208

Delta R.T. -0.024 min

Lab File: BM047159.D

Acq: 12 Aug 2024 17:28

Tgt Ion:	276	Resp:	459610
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.8	28.2
138	21.2	16.2	24.4

