

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012423\
 Data File : BM038522.D
 Acq On : 24 Jan 2023 12:30
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Jan 25 03:13:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	69318	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	237568	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	151092	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	351254	20.000	ng	0.00
76) Chrysene-d12	21.515	240	394864	20.000	ng	0.00
86) Perylene-d12	23.927	264	474905	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.511	112	330015	78.704	ng	0.00
7) Phenol-d6	7.128	99	534847	99.972	ng	0.00
23) Nitrobenzene-d5	9.140	82	361024	65.992	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	240107	110.355	ng	0.00
45) 2-Fluorobiphenyl	13.228	172	816062	66.532	ng	0.00
79) Terphenyl-d14	19.957	244	1332284	65.777	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.370	88	16548	8.414	ng	95
3) Pyridine	3.799	79	36749	7.114	ng	97
4) n-Nitrosodimethylamine	3.705	42	21128	8.616	ng	93
6) Aniline	7.293	93	58772	8.850	ng	100
8) 2-Chlorophenol	7.522	128	41365	9.657	ng	96
9) Benzaldehyde	7.105	77	35633	11.229	ng	95
10) Phenol	7.152	94	51039	9.547	ng	96
11) bis(2-Chloroethyl)ether	7.387	93	38904	9.223	ng	96
12) 1,3-Dichlorobenzene	7.852	146	48867	10.035	ng	98
13) 1,4-Dichlorobenzene	7.999	146	48463	9.849	ng	98
14) 1,2-Dichlorobenzene	8.316	146	46838	9.827	ng	96
15) Benzyl Alcohol	8.210	79	35877	8.969	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.493	45	40718	9.193	ng	96
17) 2-Methylphenol	8.410	107	30006	7.930	ng	99
18) Hexachloroethane	9.040	117	17451	9.540	ng	96
19) n-Nitroso-di-n-propyla...	8.775	70	32107	8.654	ng	98
20) 3+4-Methylphenols	8.740	107	39602	7.809	ng	96
22) Acetophenone	8.793	105	55263	8.444	ng	# 98
24) Nitrobenzene	9.181	77	52157	9.422	ng	99
25) Isophorone	9.704	82	80091	8.871	ng	99
26) 2-Nitrophenol	9.893	139	19324	8.795	ng	95
27) 2,4-Dimethylphenol	9.946	122	19970	5.461	ng	92
28) bis(2-Chloroethoxy)met...	10.187	93	47420	8.979	ng	99
29) 2,4-Dichlorophenol	10.422	162	37361	8.709	ng	98
30) 1,2,4-Trichlorobenzene	10.634	180	46148	9.406	ng	99
31) Naphthalene	10.828	128	113000	8.756	ng	99
32) Benzoic acid	10.040	122	22537	12.543	ng	94
33) 4-Chloroaniline	10.946	127	43293	8.037	ng	# 92
34) Hexachlorobutadiene	11.098	225	31287	9.695	ng	96
35) Caprolactam	11.722	113	10652	10.242	ng	92
36) 4-Chloro-3-methylphenol	12.063	107	34006	8.717	ng	94
37) 2-Methylnaphthalene	12.428	142	79419	8.563	ng	99
38) 1-Methylnaphthalene	12.651	142	74877	8.560	ng	98
40) 1,2,4,5-Tetrachloroben...	12.798	216	48692	8.567	ng	99
41) Hexachlorocyclopentadiene	12.769	237	30320	9.706	ng	96
43) 2,4,6-Trichlorophenol	13.040	196	32682	8.983	ng	96

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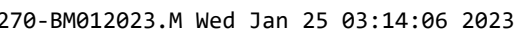
Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

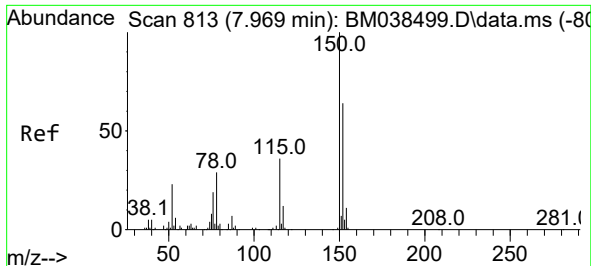
Quant Time: Jan 25 03:13:59 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.110	196	35403	8.308	ng	98
46) 1,1'-Biphenyl	13.434	154	97791	8.082	ng	98
47) 2-Chloronaphthalene	13.481	162	87801	9.295	ng	99
48) 2-Nitroaniline	13.692	65	21725	7.832	ng	96
49) Acenaphthylene	14.322	152	127186	8.606	ng	98
50) Dimethylphthalate	14.057	163	102381	8.803	ng	100
51) 2,6-Dinitrotoluene	14.187	165	20257	8.276	ng	96
52) Acenaphthene	14.663	154	79095	8.775	ng	96
53) 3-Nitroaniline	14.516	138	17846	7.337	ng	98
54) 2,4-Dinitrophenol	14.728	184	11787	10.644	ng	91
55) Dibenzofuran	14.998	168	135852	9.015	ng	99
56) 4-Nitrophenol	14.822	139	16827	8.401	ng	93
57) 2,4-Dinitrotoluene	14.969	165	27157	8.185	ng	# 84
58) Fluorene	15.645	166	106835	8.743	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.222	232	30609	8.788	ng	100
60) Diethylphthalate	15.410	149	99146	8.705	ng	96
61) 4-Chlorophenyl-phenyle...	15.633	204	58373	9.099	ng	99
62) 4-Nitroaniline	15.675	138	18845	9.646	ng	96
63) Azobenzene	15.928	77	102665	8.507	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	21946	9.625	ng	93
66) n-Nitrosodiphenylamine	15.851	169	89070	8.447	ng	99
67) 4-Bromophenyl-phenylether	16.528	248	34018	8.731	ng	94
68) Hexachlorobenzene	16.645	284	40730	9.688	ng	97
69) Atrazine	16.798	200	29434	8.367	ng	97
70) Pentachlorophenol	16.992	266	32842	10.971	ng	97
71) Phenanthrene	17.380	178	173990	8.870	ng	99
72) Anthracene	17.475	178	167828	8.408	ng	99
73) Carbazole	17.745	167	151751	8.633	ng	98
74) Di-n-butylphthalate	18.298	149	157331	8.147	ng	99
75) Fluoranthene	19.392	202	213359	9.050	ng	98
77) Benzidine	19.586	184	67834	7.539	ng	99
78) Pyrene	19.757	202	229184	8.336	ng	99
80) Butylbenzylphthalate	20.645	149	70685	7.435	ng	99
81) Benzo(a)anthracene	21.498	228	250031	8.936	ng	100
82) 3,3'-Dichlorobenzidine	21.433	252	79552	8.852	ng	98
83) Chrysene	21.551	228	240358	8.784	ng	99
84) Bis(2-ethylhexyl)phtha...	21.410	149	102892	7.467	ng	98
85) Di-n-octyl phthalate	22.339	149	183304	7.482	ng	99
87) Indeno(1,2,3-cd)pyrene	26.439	276	310976	8.849	ng	98
88) Benzo(b)fluoranthene	23.186	252	267147	9.325	ng	98
89) Benzo(k)fluoranthene	23.233	252	274702	9.267	ng	99
90) Benzo(a)pyrene	23.821	252	242641	8.543	ng	# 98
91) Dibenzo(a,h)anthracene	26.450	278	270697	9.254	ng	98
92) Benzo(g,h,i)perylene	27.209	276	277657	9.267	ng	98

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

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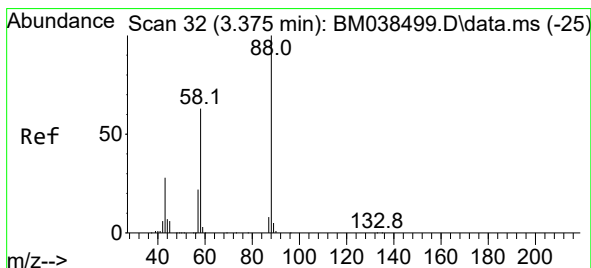
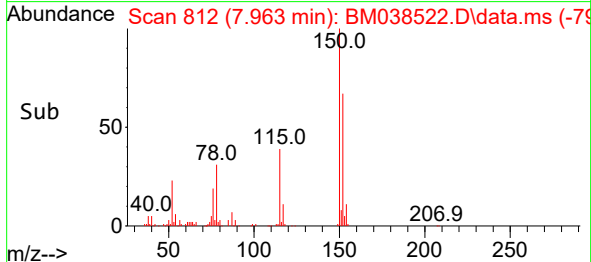
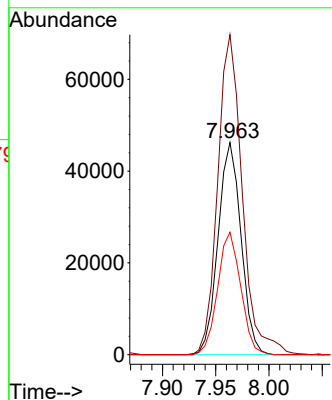
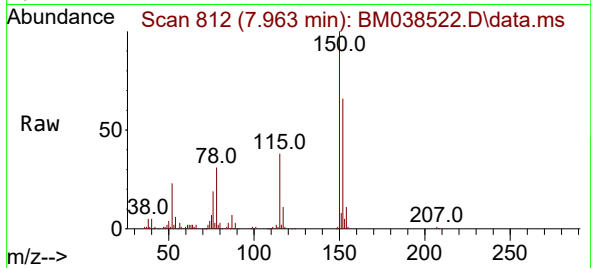




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

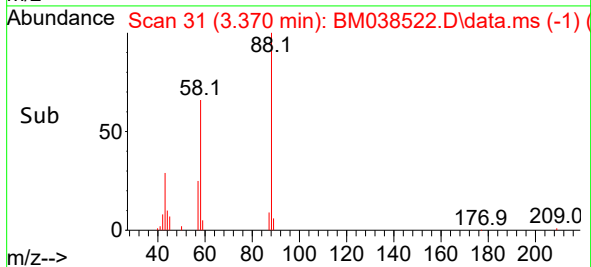
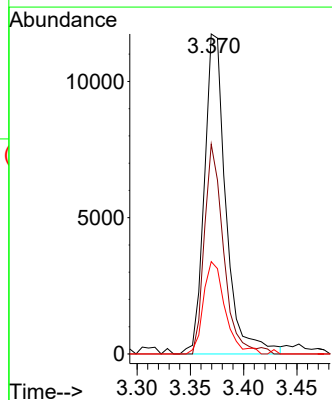
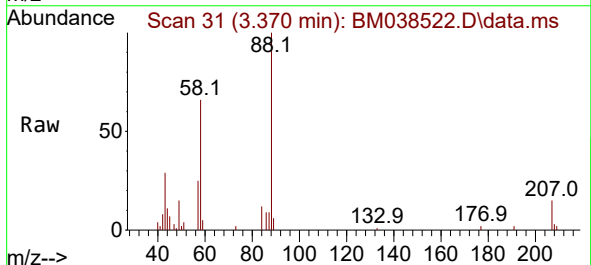
Instrument :
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LOQ-SOIL-02-QT4-2022

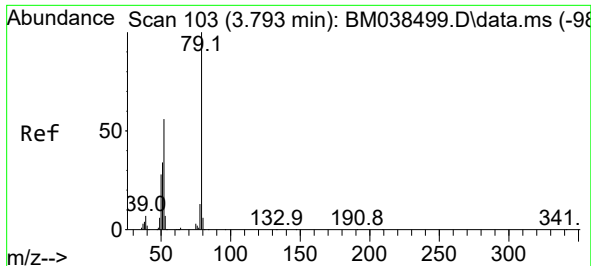
Tgt Ion:152 Resp: 69318
Ion Ratio Lower Upper
152 100
150 150.9 124.2 186.4
115 57.8 44.8 67.2



#2
1,4-Dioxane
Concen: 8.414 ng
RT: 3.370 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 88 Resp: 16548
Ion Ratio Lower Upper
88 100
58 58.4 50.5 75.7
43 29.1 23.9 35.9

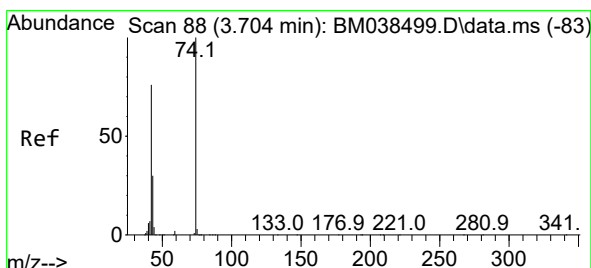
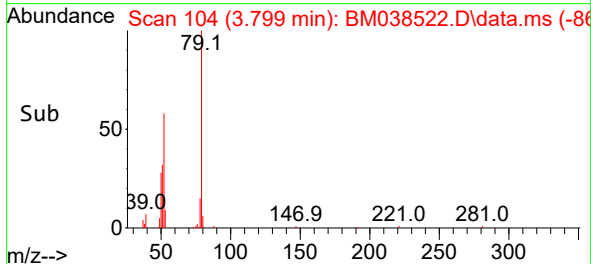
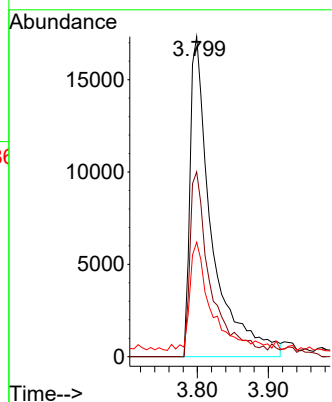
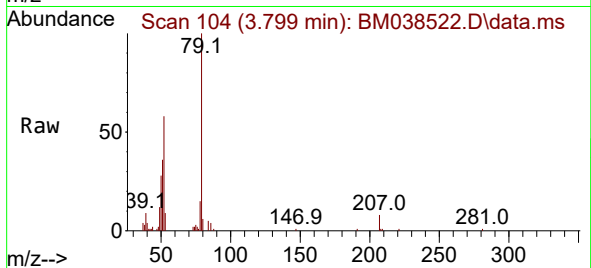




#3
Pyridine
Concen: 7.114 ng
RT: 3.799 min Scan# 103
Delta R.T. 0.006 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

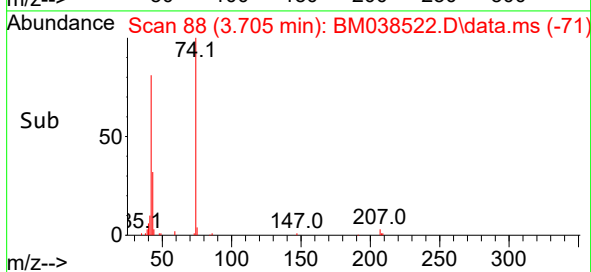
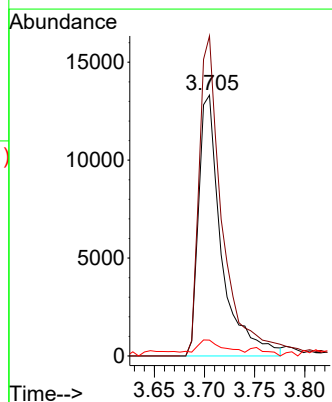
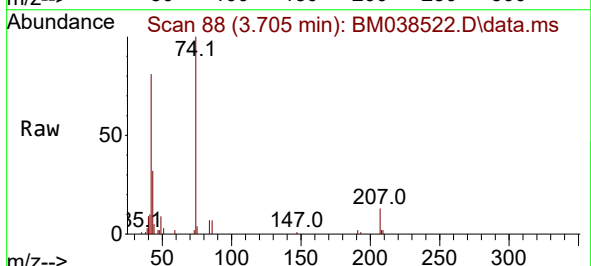
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

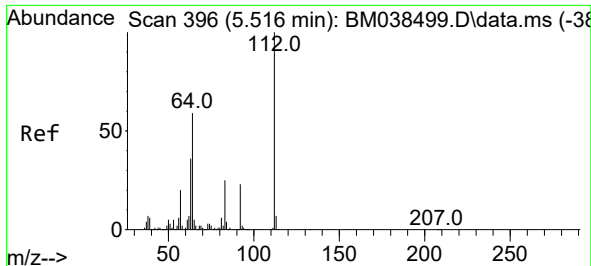
Tgt Ion: 79 Resp: 36749
Ion Ratio Lower Upper
79 100
52 57.7 45.0 67.4
51 35.7 27.1 40.7



#4
n-Nitrosodimethylamine
Concen: 8.616 ng
RT: 3.705 min Scan# 88
Delta R.T. 0.000 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 42 Resp: 21128
Ion Ratio Lower Upper
42 100
74 122.7 105.0 157.4
44 6.1 4.1 6.1

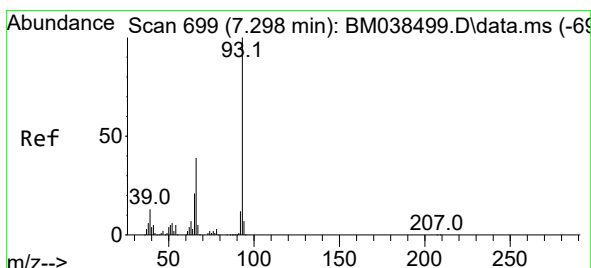
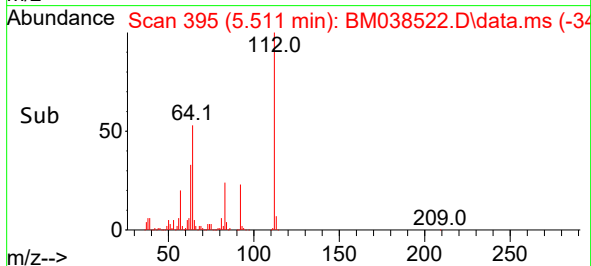
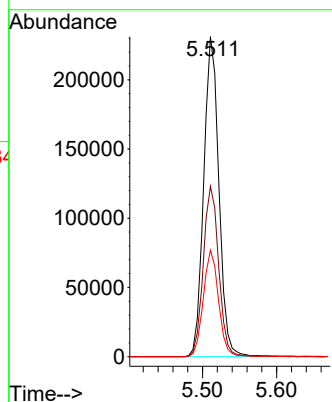
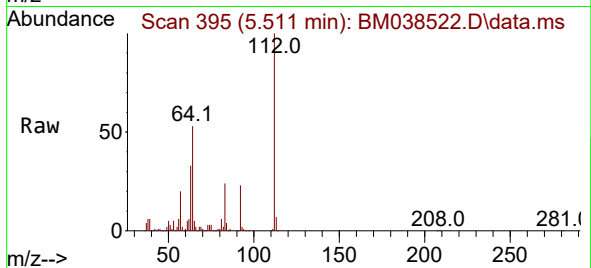




#5
2-Fluorophenol
Concen: 78.704 ng
RT: 5.511 min Scan# 396
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

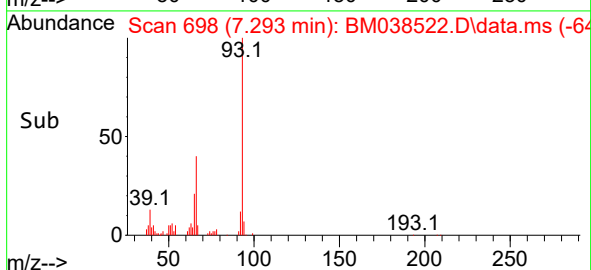
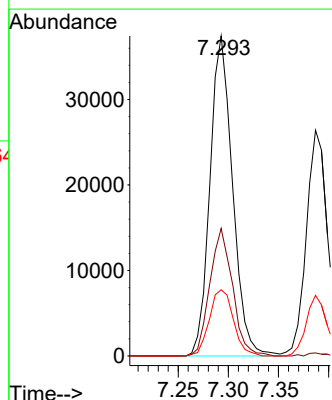
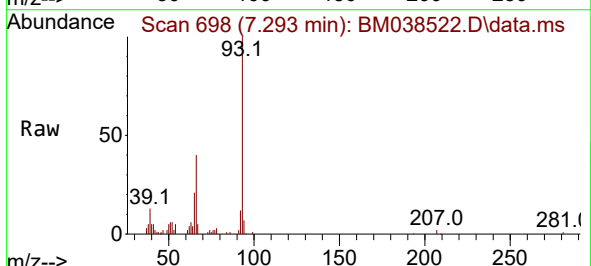
Instrument :
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ClientSampleId :
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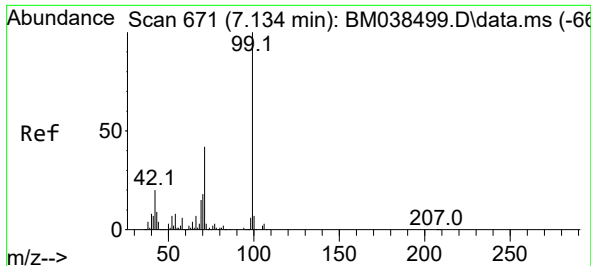
Tgt Ion:112 Resp: 330015
Ion Ratio Lower Upper
112 100
64 53.2 47.3 70.9
63 33.3 28.8 43.2



#6
Aniline
Concen: 8.850 ng
RT: 7.293 min Scan# 698
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 93 Resp: 58772
Ion Ratio Lower Upper
93 100
66 39.9 31.6 47.4
65 20.7 16.6 24.8

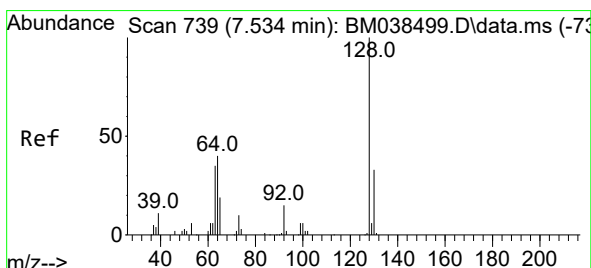
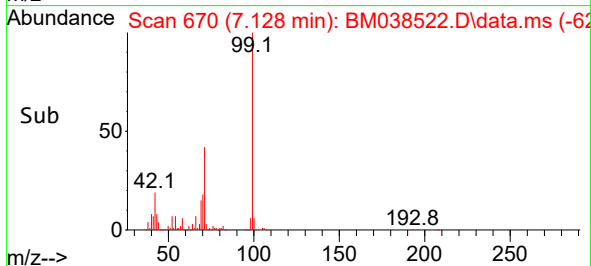
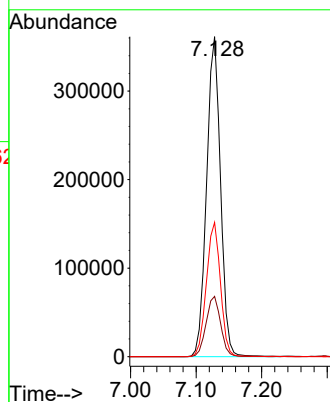
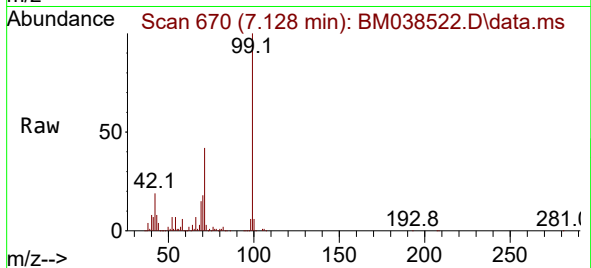




#7
Phenol-d6
Concen: 99.972 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

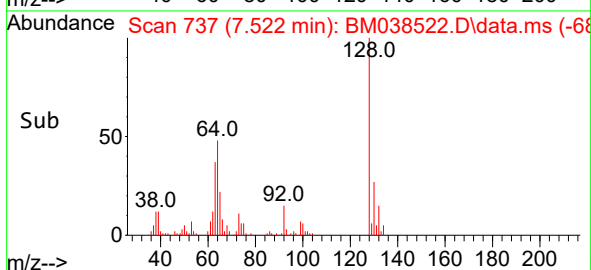
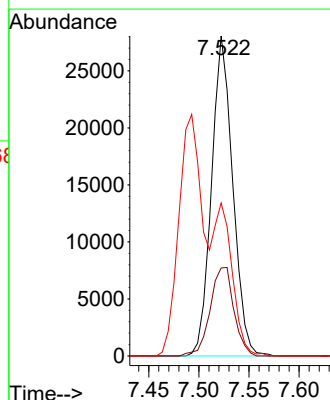
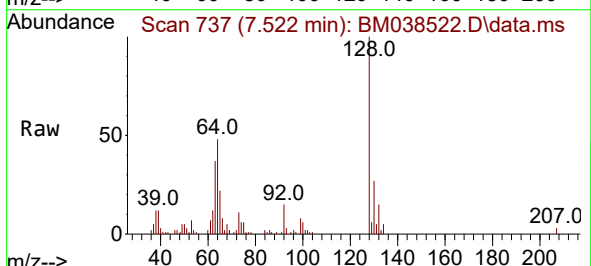
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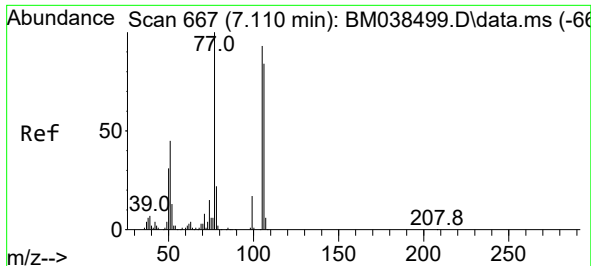
Tgt Ion: 99 Resp: 534847
Ion Ratio Lower Upper
99 100
42 18.8 16.0 24.0
71 42.0 33.8 50.6



#8
2-Chlorophenol
Concen: 9.657 ng
RT: 7.522 min Scan# 737
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 128 Resp: 41365
Ion Ratio Lower Upper
128 100
130 27.5 13.2 53.2
64 47.8 27.7 67.7

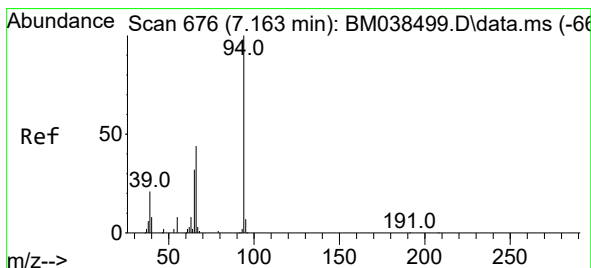
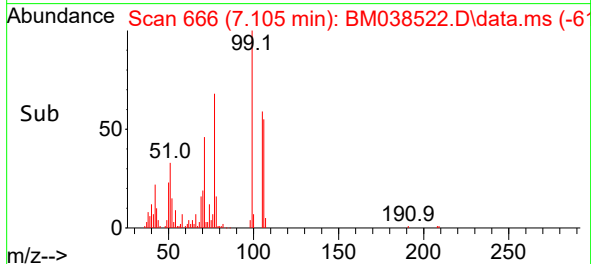
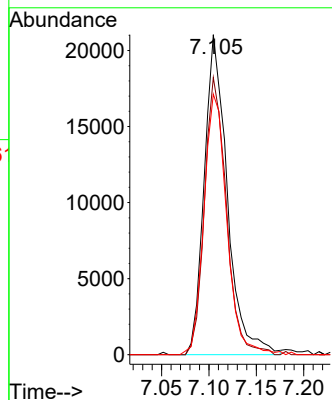
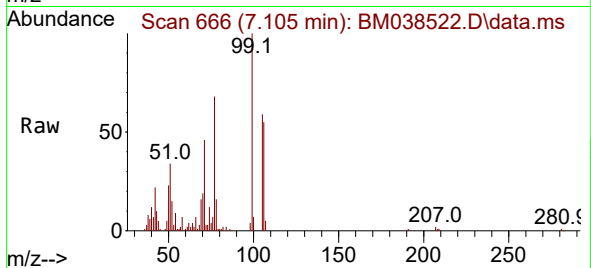




#9
Benzaldehyde
Concen: 11.229 ng
RT: 7.105 min Scan# 666
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

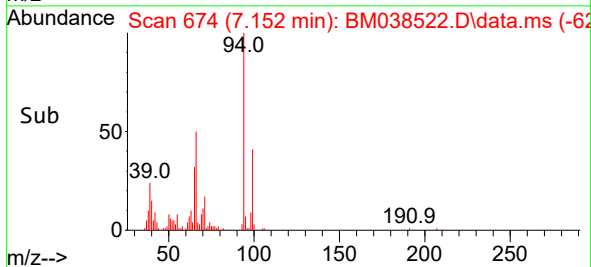
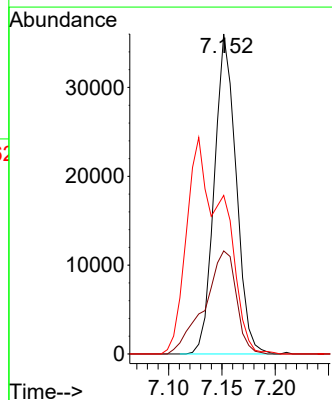
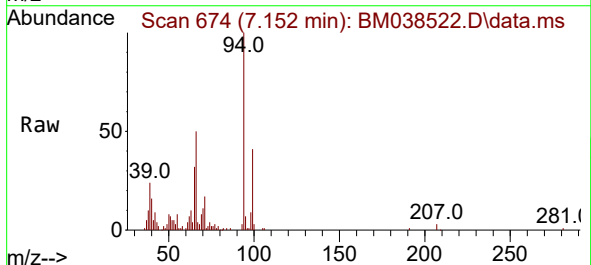
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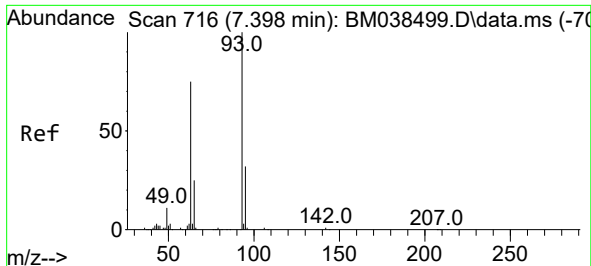
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Ion Ratio Lower Upper
77 100
105 86.6 72.9 112.9
106 81.4 63.8 103.8



#10
Phenol
Concen: 9.547 ng
RT: 7.152 min Scan# 674
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 94 Resp: 51039
Ion Ratio Lower Upper
94 100
65 32.2 12.7 52.7
66 49.6 26.0 66.0

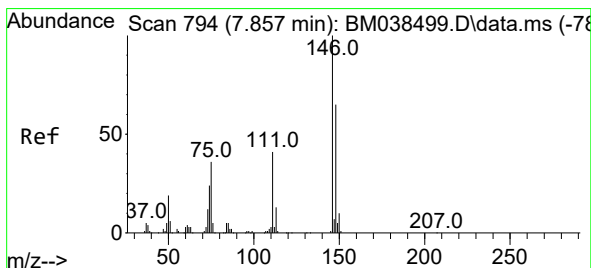
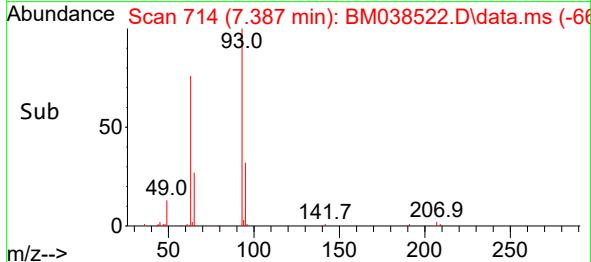
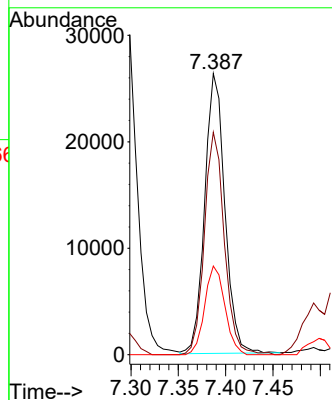
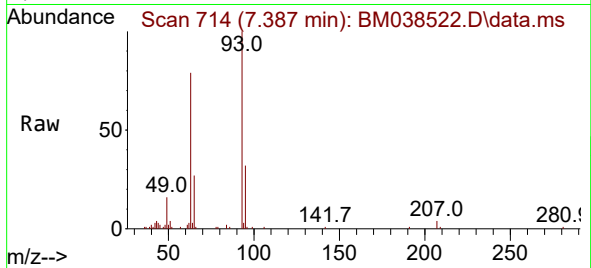




#11
bis(2-Chloroethyl)ether
Concen: 9.223 ng
RT: 7.387 min Scan# 714
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

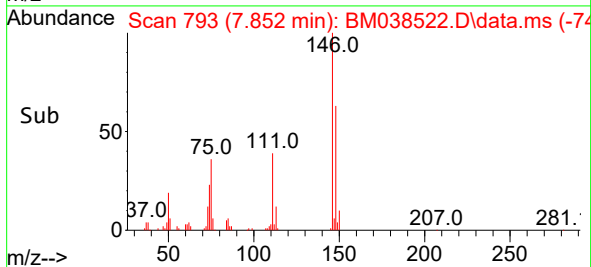
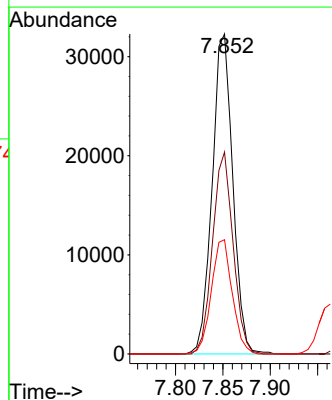
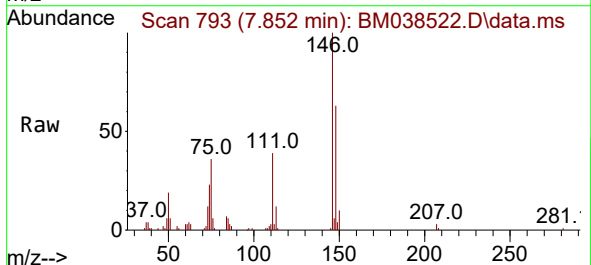
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

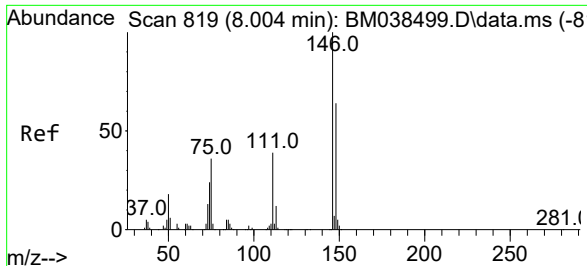
Tgt Ion: 93 Resp: 38904
Ion Ratio Lower Upper
93 100
63 79.1 54.4 94.4
95 31.5 11.4 51.4



#12
1,3-Dichlorobenzene
Concen: 10.035 ng
RT: 7.852 min Scan# 793
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:146 Resp: 48867
Ion Ratio Lower Upper
146 100
148 63.1 52.1 78.1
75 35.7 28.7 43.1

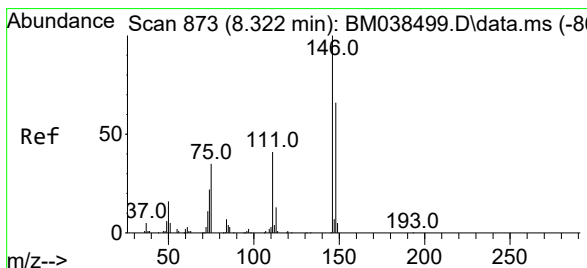
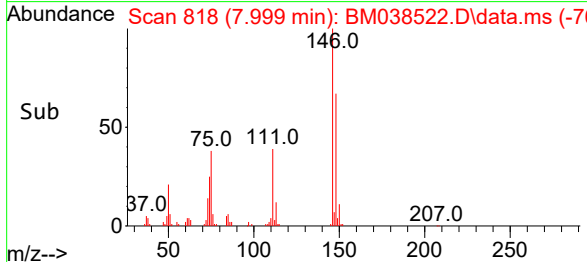
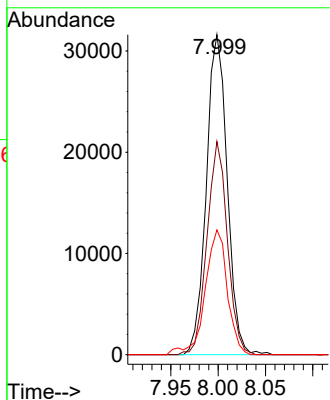
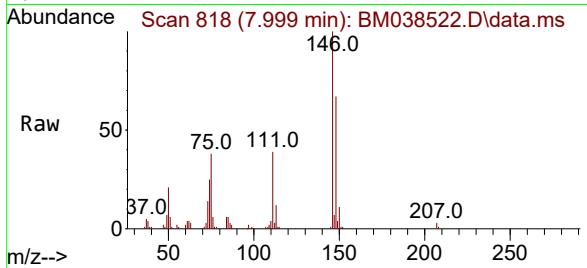




#13
1,4-Dichlorobenzene
Concen: 9.849 ng
RT: 7.999 min Scan# 819
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

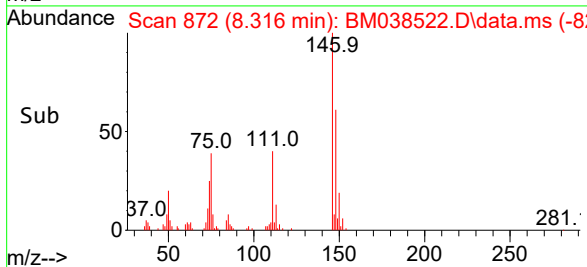
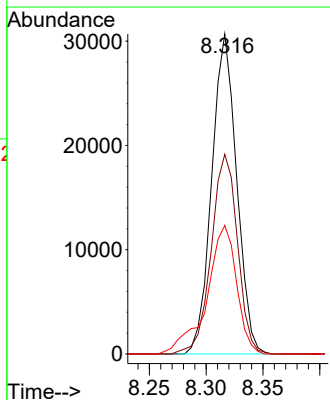
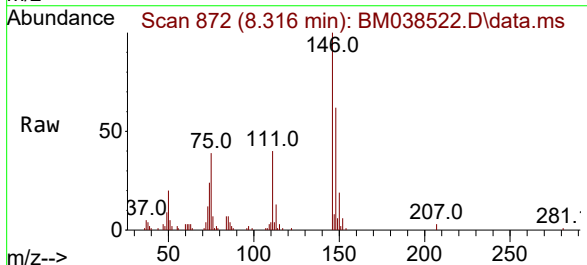
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

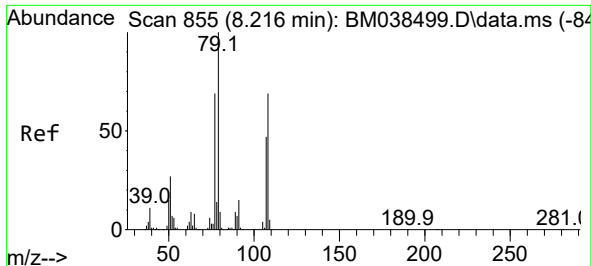
Tgt Ion:146 Resp: 48463
Ion Ratio Lower Upper
146 100
148 66.6 51.3 76.9
111 39.0 31.4 47.0



#14
1,2-Dichlorobenzene
Concen: 9.827 ng
RT: 8.316 min Scan# 872
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:146 Resp: 46838
Ion Ratio Lower Upper
146 100
148 62.4 52.7 79.1
111 40.2 33.2 49.8

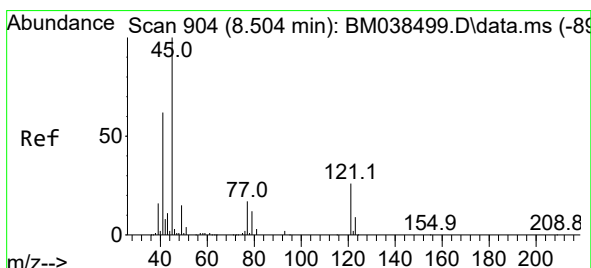
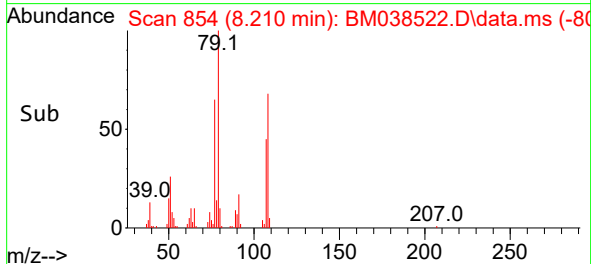
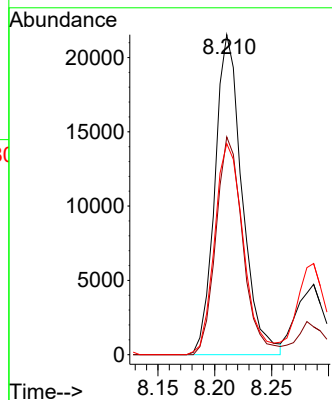
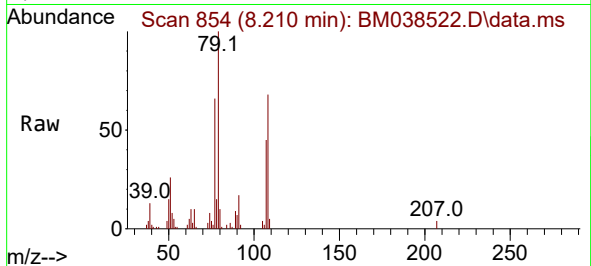




#15
Benzyl Alcohol
Concen: 8.969 ng
RT: 8.210 min Scan# 81
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

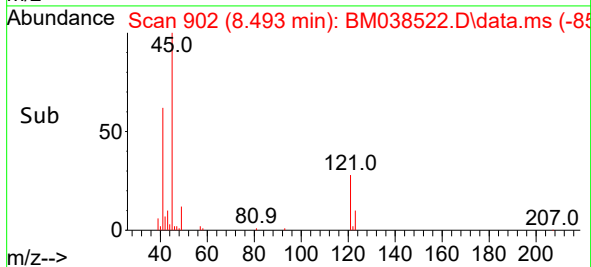
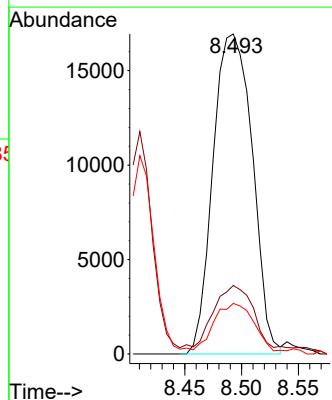
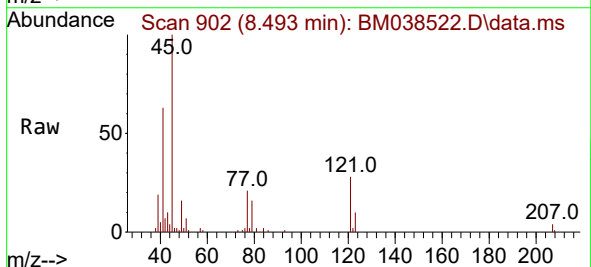
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

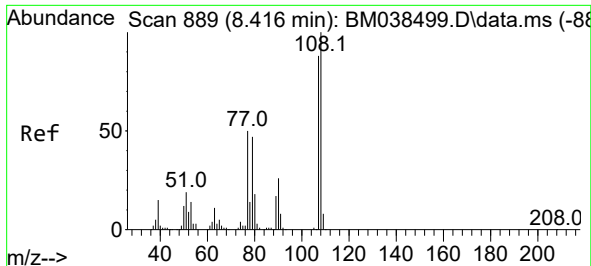
Tgt Ion: 79 Resp: 35877
Ion Ratio Lower Upper
79 100
108 68.0 55.0 82.6
77 66.0 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.193 ng
RT: 8.493 min Scan# 902
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 45 Resp: 40718
Ion Ratio Lower Upper
45 100
77 21.4 0.0 39.2
79 15.8 0.0 34.9

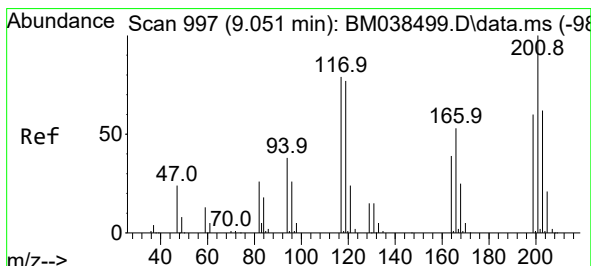
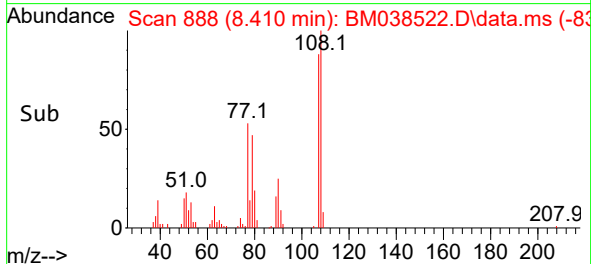
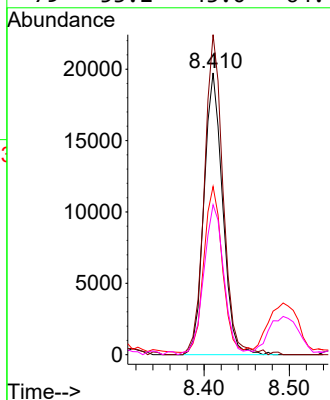
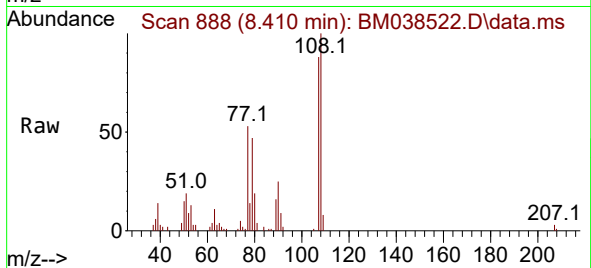




#17
2-Methylphenol
Concen: 7.930 ng
RT: 8.410 min Scan# 889
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

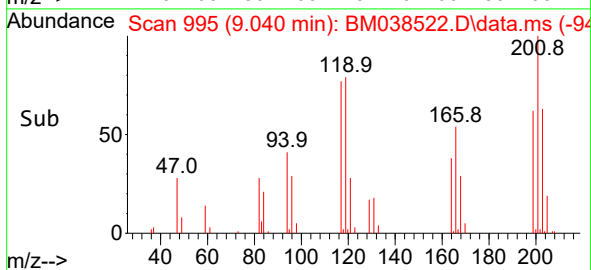
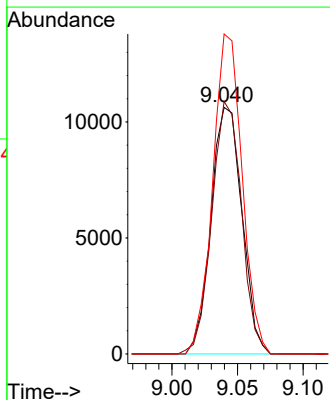
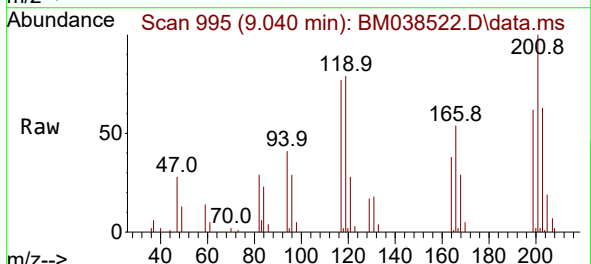
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

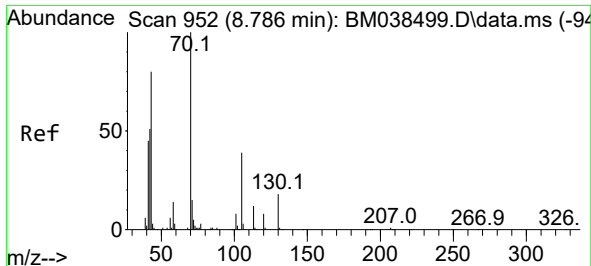
Tgt Ion:	107	Resp:	30006
Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.8	136.2
77	59.7	46.1	69.1
79	53.2	43.0	64.4



#18
Hexachloroethane
Concen: 9.540 ng
RT: 9.040 min Scan# 995
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:	117	Resp:	17451
Ion	Ratio	Lower	Upper
117	100		
119	102.4	77.9	116.9
201	129.7	100.6	151.0

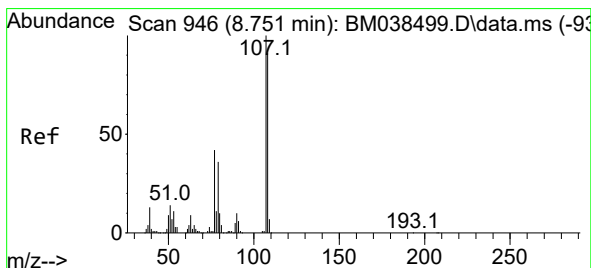
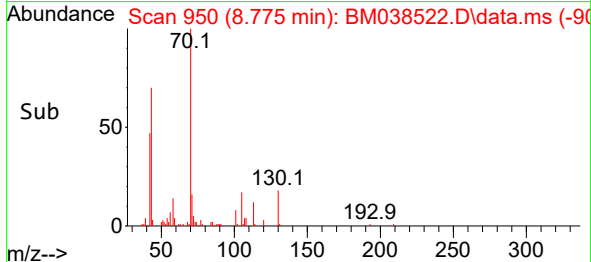
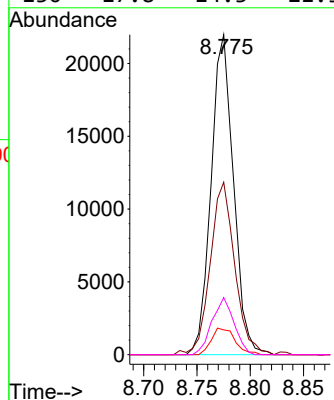
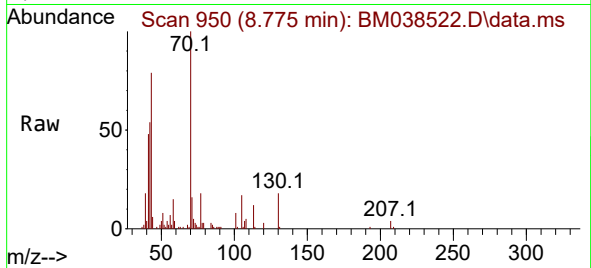




#19
n-Nitroso-di-n-propylamine
Concen: 8.654 ng
RT: 8.775 min Scan# 911
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

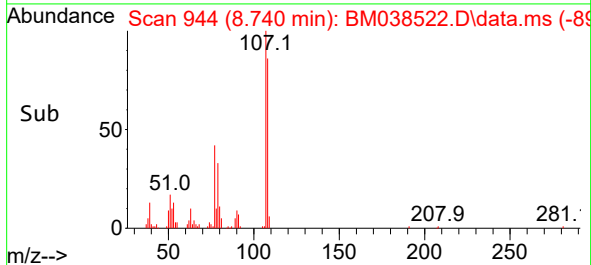
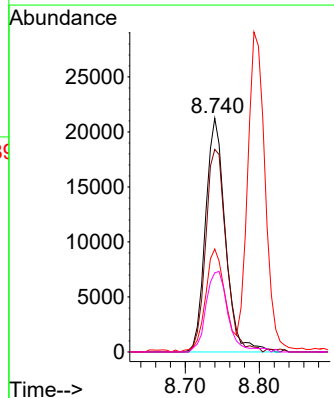
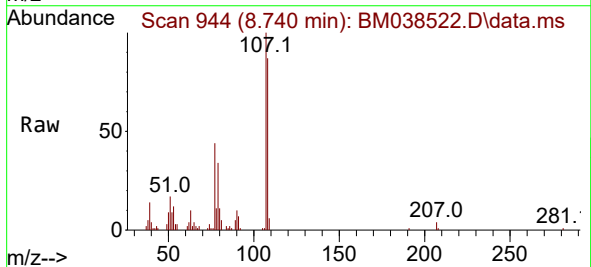
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

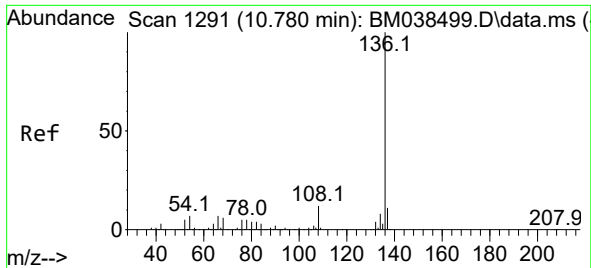
Tgt Ion:	70	Resp:	32107
Ion	Ratio	Lower	Upper
70	100		
42	53.9	41.4	62.2
101	7.8	6.5	9.7
130	17.8	14.3	21.5



#20
3+4-Methylphenols
Concen: 7.809 ng
RT: 8.740 min Scan# 944
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:	107	Resp:	39602
Ion	Ratio	Lower	Upper
107	100		
108	86.7	70.7	110.7
77	44.1	22.0	62.0
79	33.9	15.8	55.8

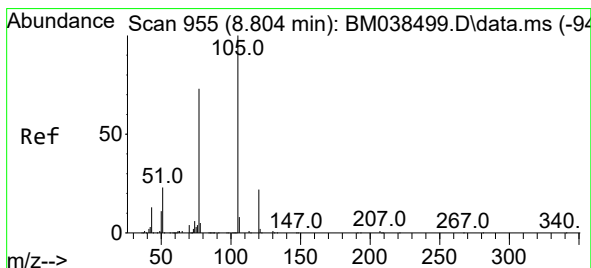
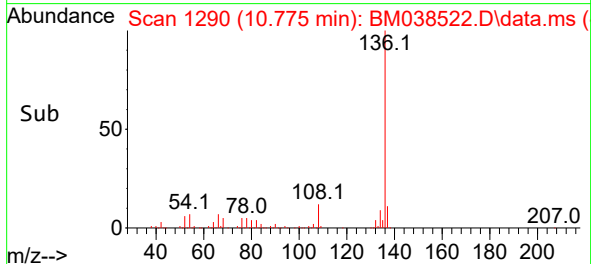
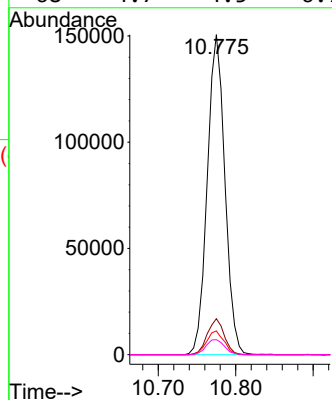
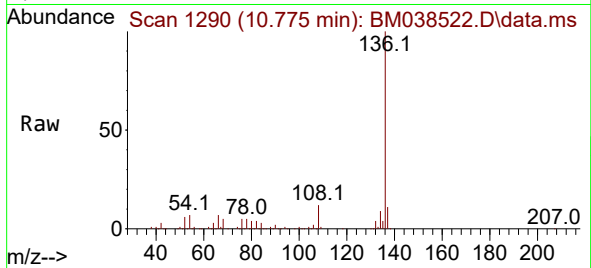




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

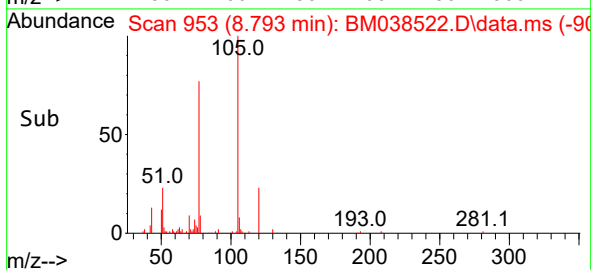
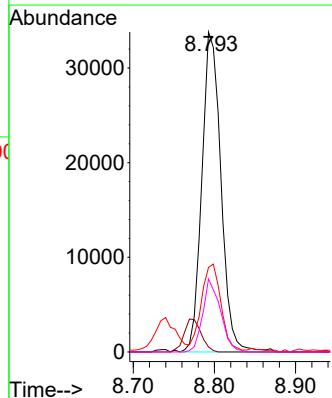
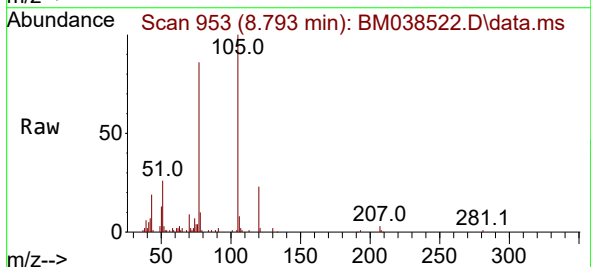
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

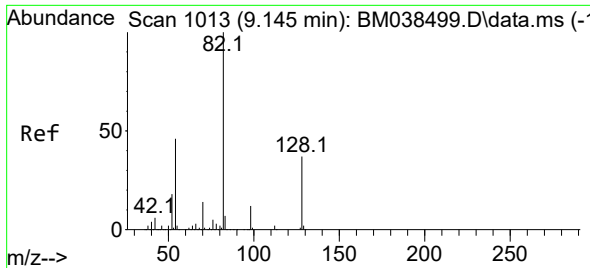
Tgt Ion:	136	Resp:	237568
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.4	12.6
54	7.4	6.0	9.0
68	4.7	4.5	6.7



#22
Acetophenone
Concen: 8.444 ng
RT: 8.793 min Scan# 953
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:	105	Resp:	55263
Ion Ratio	Lower	Upper	
105	100		
71	1.6	0.9	1.3#
51	26.4	21.8	32.8
120	22.8	17.3	25.9

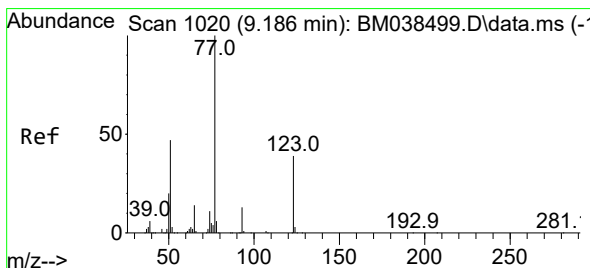
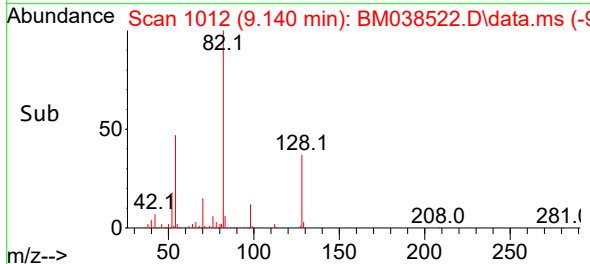
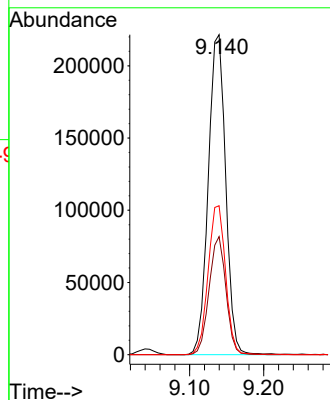
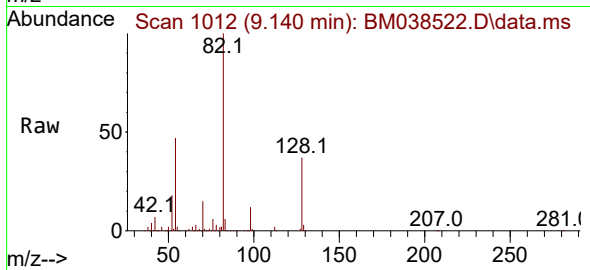




#23
Nitrobenzene-d5
Concen: 65.992 ng
RT: 9.140 min Scan# 1012
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

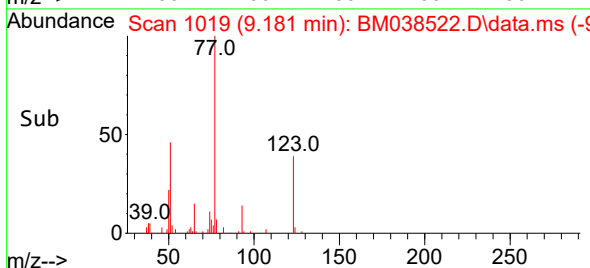
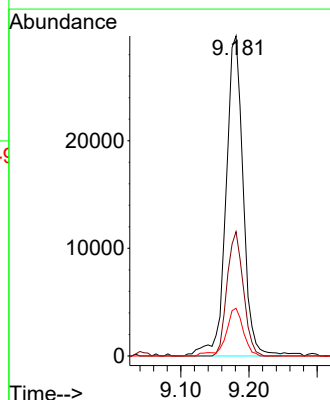
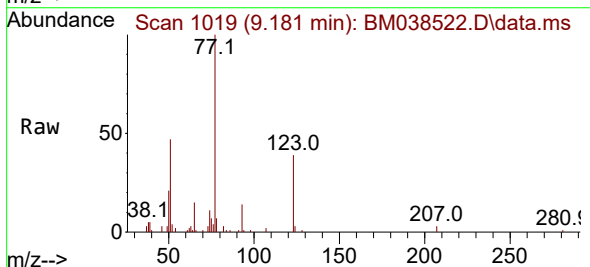
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

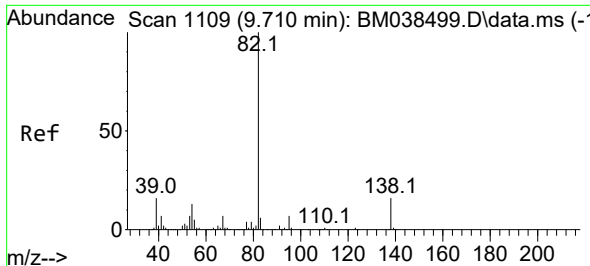
Tgt Ion: 82 Resp: 361024
Ion Ratio Lower Upper
82 100
128 36.9 29.3 43.9
54 46.5 36.9 55.3



#24
Nitrobenzene
Concen: 9.422 ng
RT: 9.181 min Scan# 1019
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 77 Resp: 52157
Ion Ratio Lower Upper
77 100
123 38.8 31.5 47.3
65 14.9 11.2 16.8

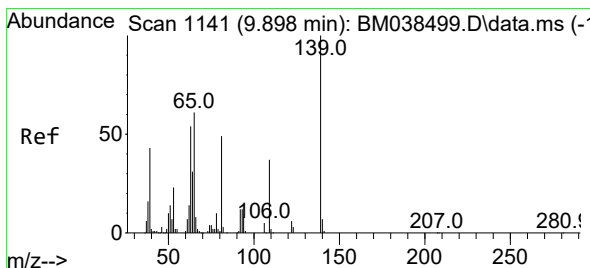
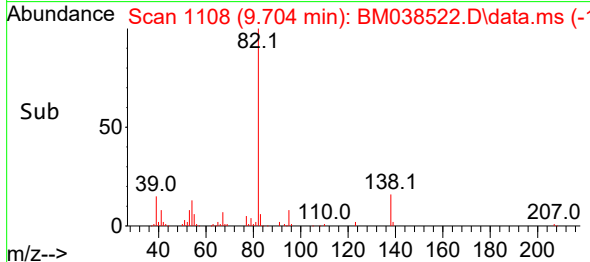
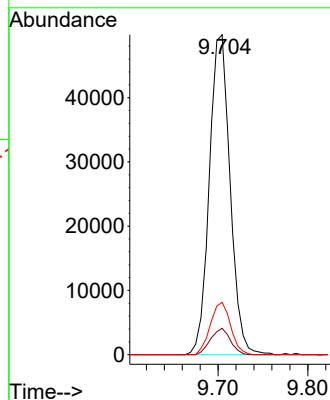
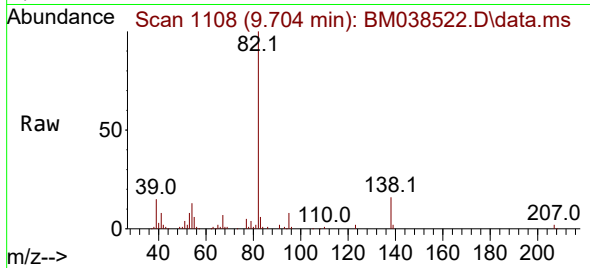




#25
Isophorone
Concen: 8.871 ng
RT: 9.704 min Scan# 1108
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

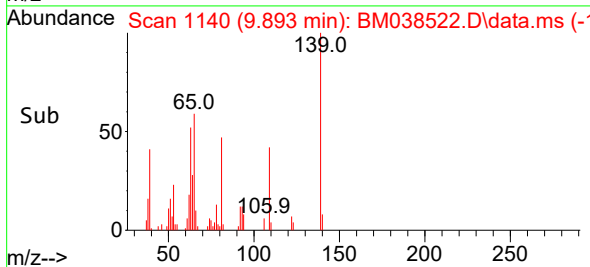
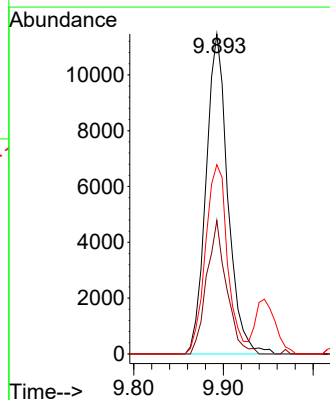
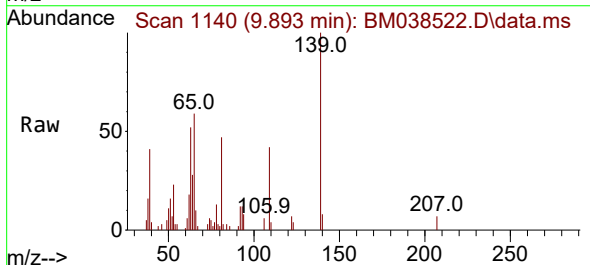
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

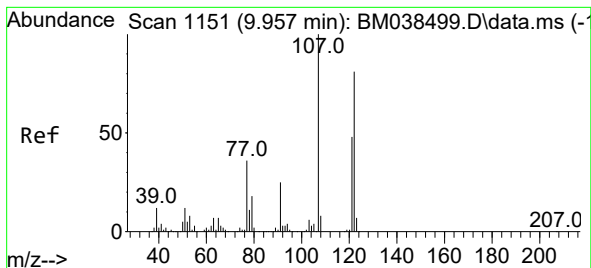
Tgt Ion: 82 Resp: 80091
Ion Ratio Lower Upper
82 100
95 8.3 5.6 8.4
138 16.3 13.2 19.8



#26
2-Nitrophenol
Concen: 8.795 ng
RT: 9.893 min Scan# 1140
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 139 Resp: 19324
Ion Ratio Lower Upper
139 100
109 41.7 29.3 43.9
65 59.1 48.6 72.8





#27

2,4-Dimethylphenol

Concen: 5.461 ng

RT: 9.946 min Scan# 1151

Delta R.T. -0.011 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

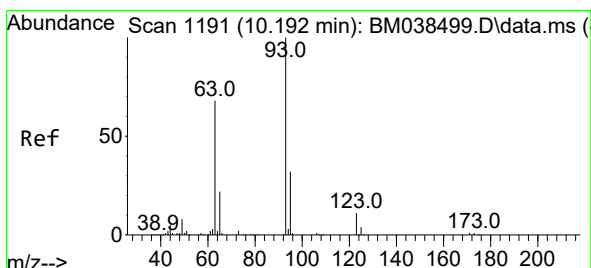
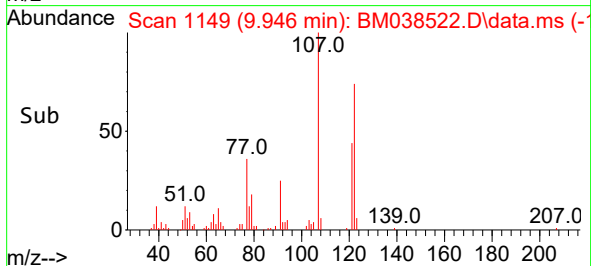
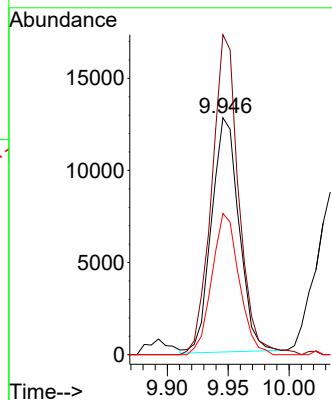
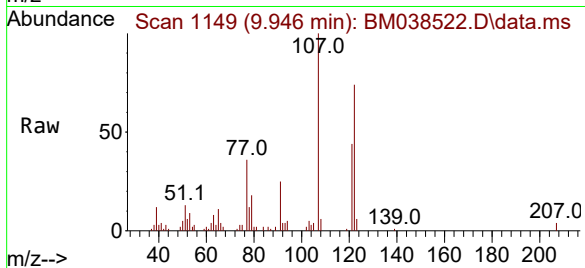
Tgt Ion:122 Resp: 19970

Ion Ratio Lower Upper

122 100

107 135.0 98.2 147.2

121 59.6 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 8.979 ng

RT: 10.187 min Scan# 1190

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

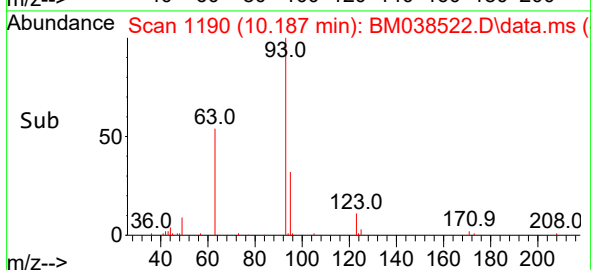
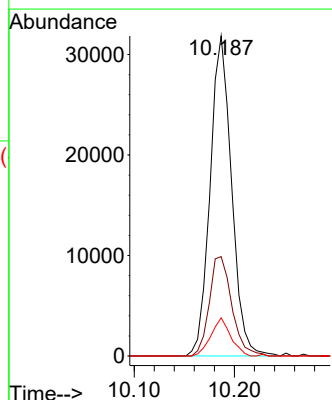
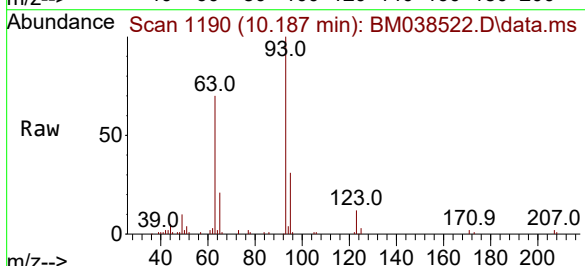
Tgt Ion: 93 Resp: 47420

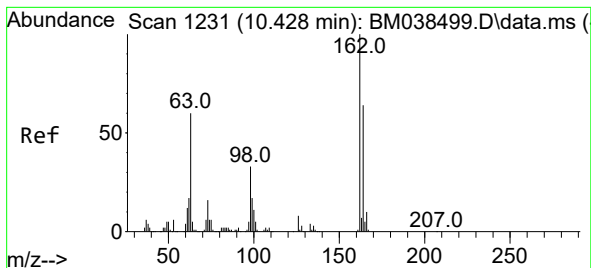
Ion Ratio Lower Upper

93 100

95 31.1 25.3 37.9

123 11.9 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 8.709 ng

RT: 10.422 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

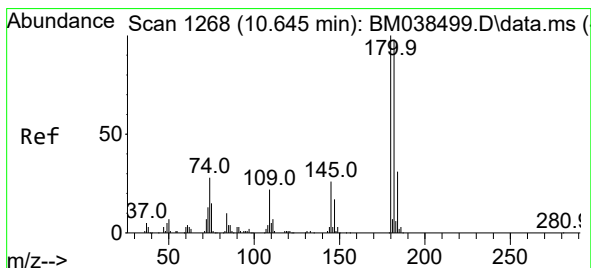
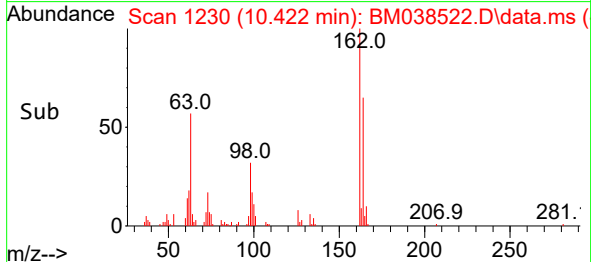
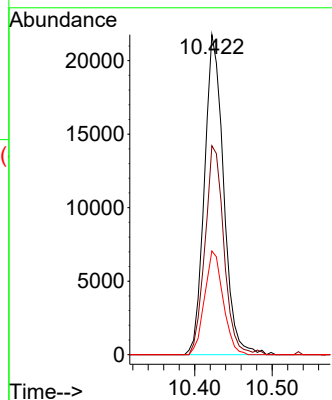
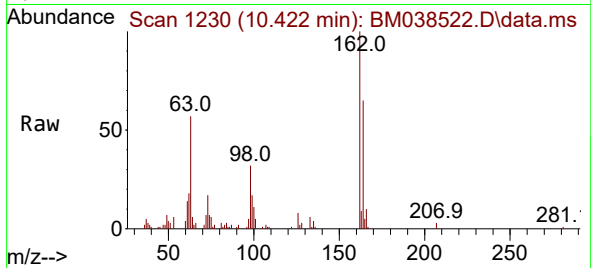
Tgt Ion:162 Resp: 37361

Ion Ratio Lower Upper

162 100

164 65.3 43.7 83.7

98 32.4 12.9 52.9



#30

1,2,4-Trichlorobenzene

Concen: 9.406 ng

RT: 10.634 min Scan# 1266

Delta R.T. -0.011 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

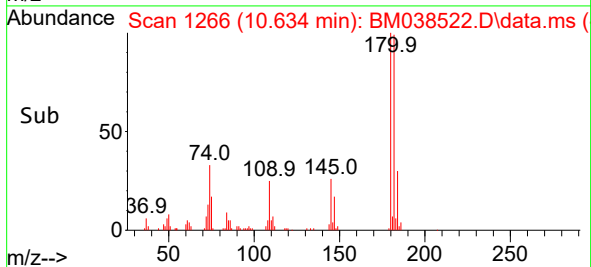
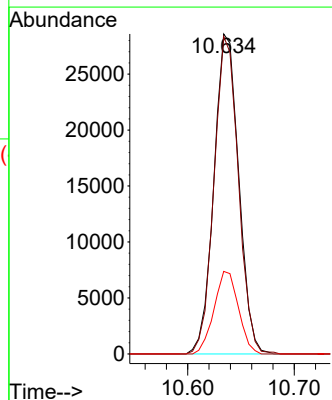
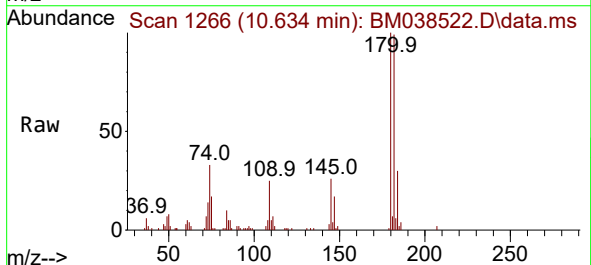
Tgt Ion:180 Resp: 46148

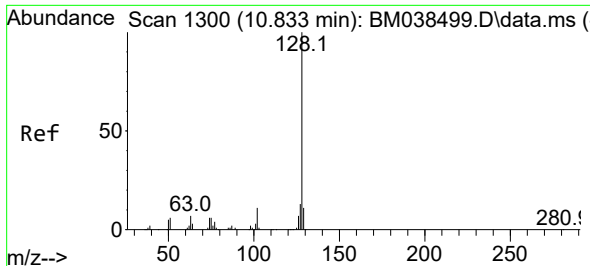
Ion Ratio Lower Upper

180 100

182 99.2 78.3 117.5

145 25.8 21.0 31.6

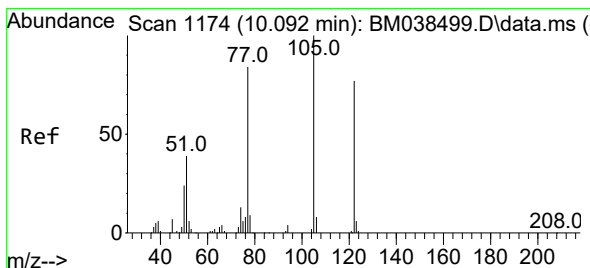
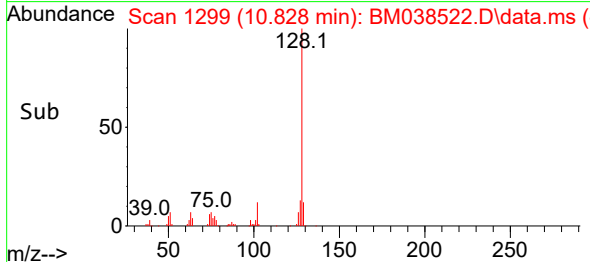
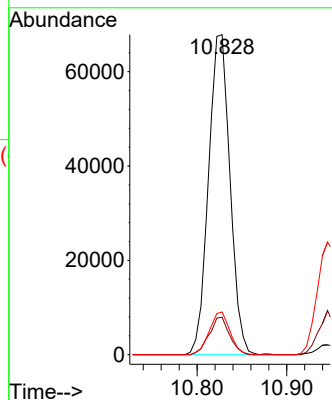
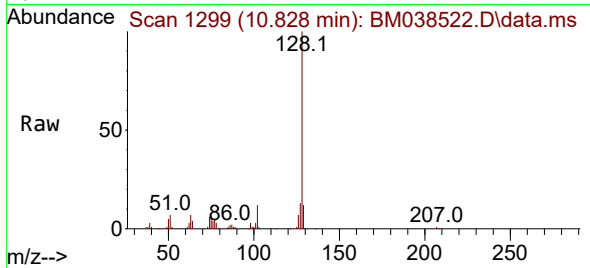




#31
Naphthalene
Concen: 8.756 ng
RT: 10.828 min Scan# 1165
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

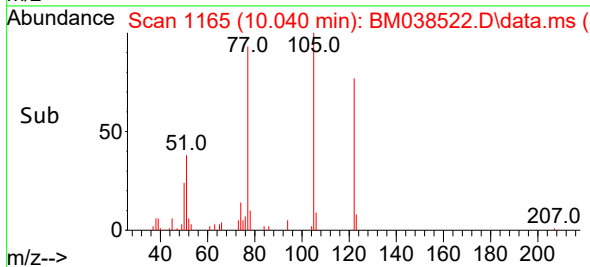
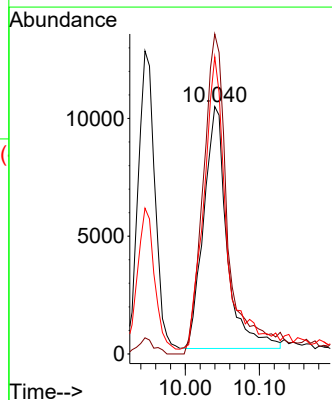
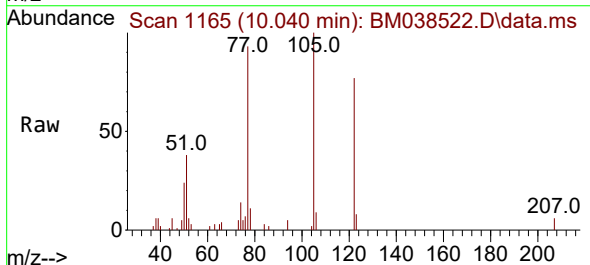
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

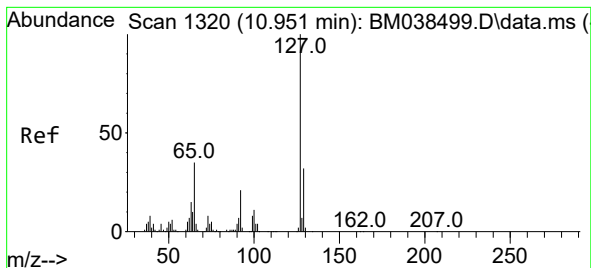
Tgt Ion:128 Resp: 113000
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.3 10.3 15.5



#32
Benzoic acid
Concen: 12.543 ng
RT: 10.040 min Scan# 1165
Delta R.T. -0.052 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:122 Resp: 22537
Ion Ratio Lower Upper
122 100
105 129.4 107.9 147.9
77 120.1 88.6 128.6





#33

4-Chloroaniline

Concen: 8.037 ng

RT: 10.946 min Scan# 11

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:127 Resp: 43293

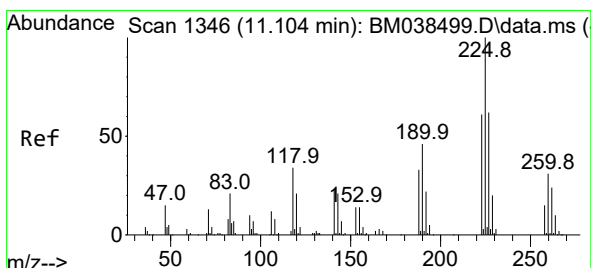
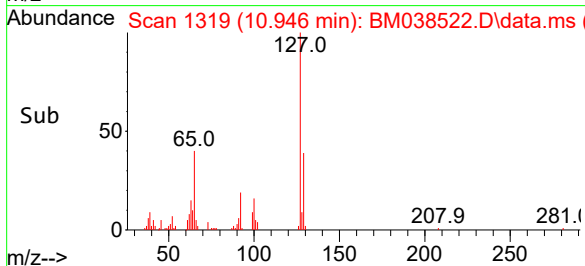
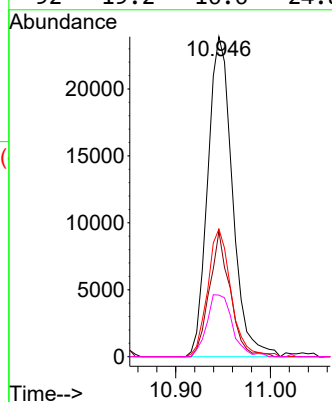
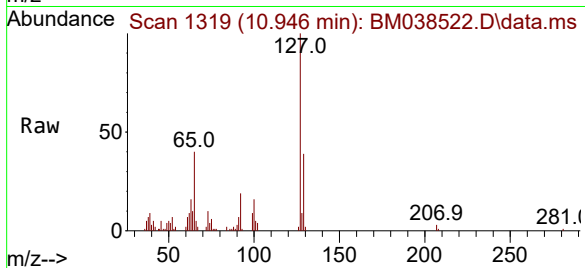
Ion Ratio Lower Upper

127 100

129 39.2 25.8 38.6#

65 39.9 28.2 42.2

92 19.2 16.6 24.8



#34

Hexachlorobutadiene

Concen: 9.695 ng

RT: 11.098 min Scan# 1345

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

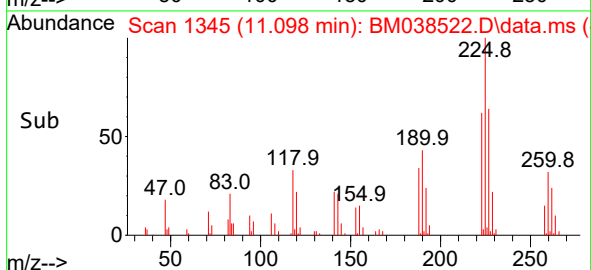
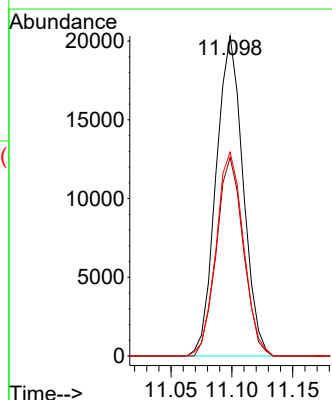
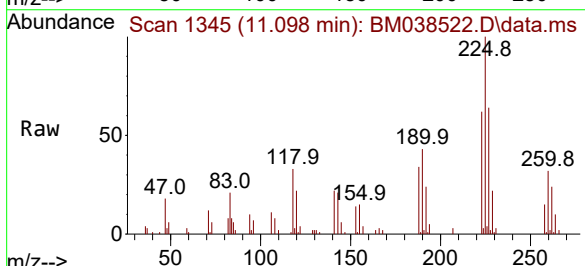
Tgt Ion:225 Resp: 31287

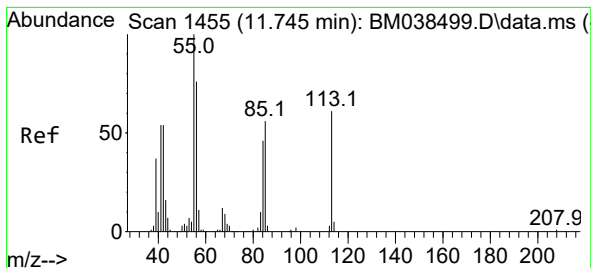
Ion Ratio Lower Upper

225 100

223 62.0 48.8 73.2

227 66.2 49.4 74.0





#35

Caprolactam

Concen: 10.242 ng

RT: 11.722 min Scan# 1455

Delta R.T. -0.023 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

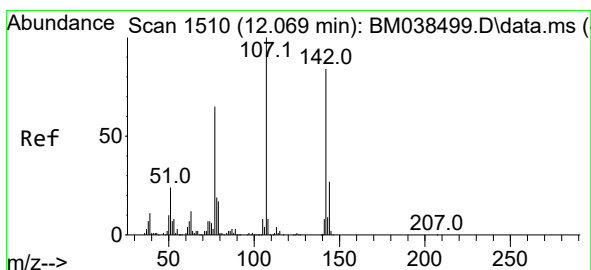
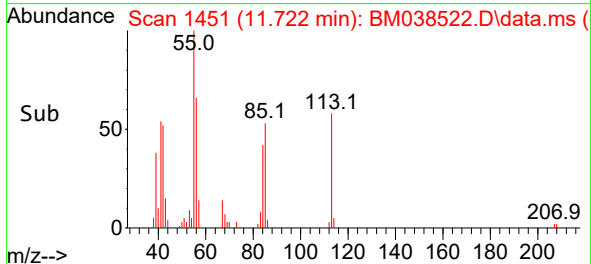
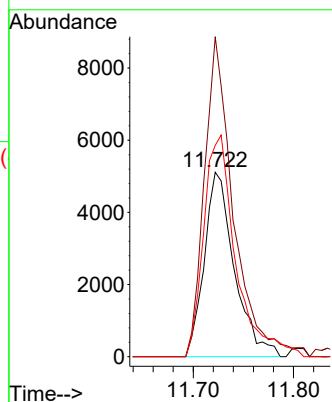
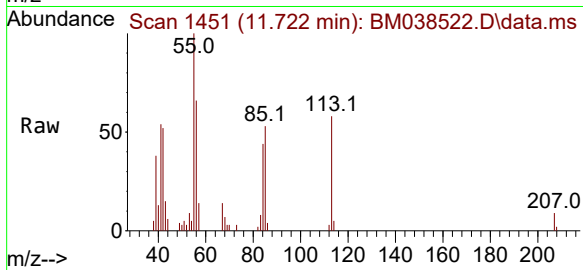
Tgt Ion:113 Resp: 10652

Ion Ratio Lower Upper

113 100

55 173.4 145.0 185.0

56 114.6 105.7 145.7



#36

4-Chloro-3-methylphenol

Concen: 8.717 ng

RT: 12.063 min Scan# 1509

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

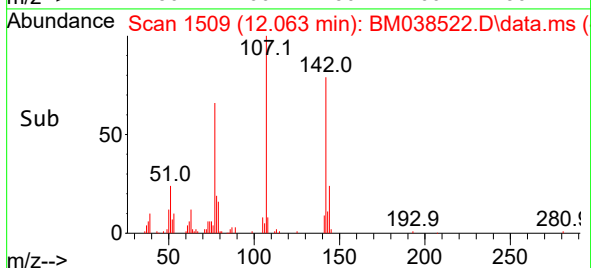
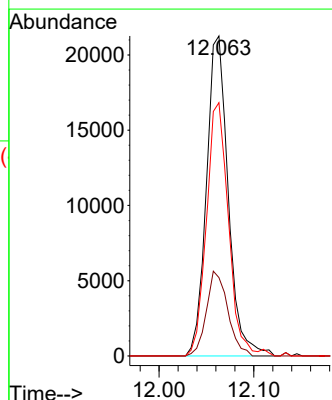
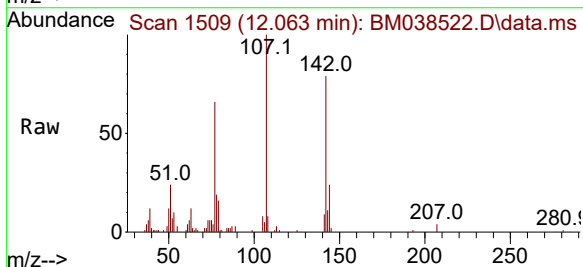
Tgt Ion:107 Resp: 34006

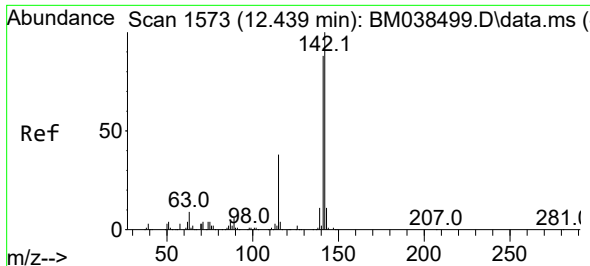
Ion Ratio Lower Upper

107 100

144 24.5 22.0 33.0

142 79.2 67.5 101.3

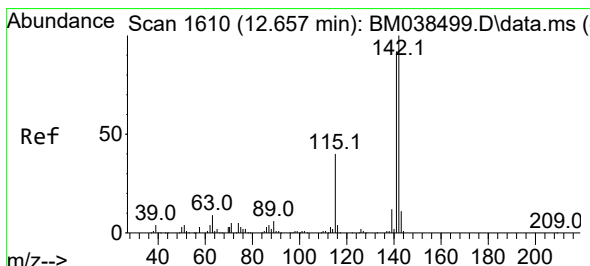
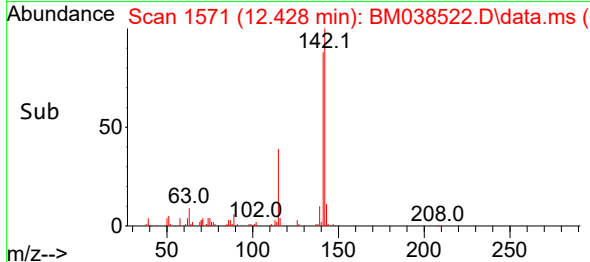
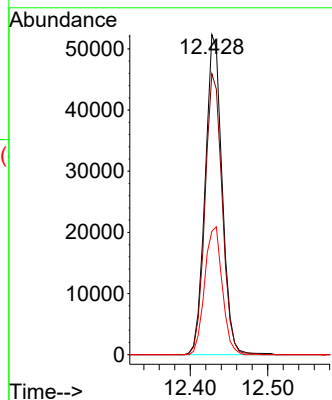
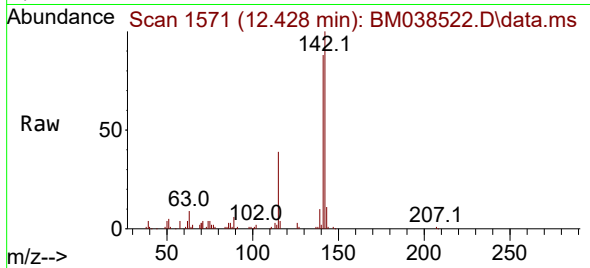




#37
2-Methylnaphthalene
Concen: 8.563 ng
RT: 12.428 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

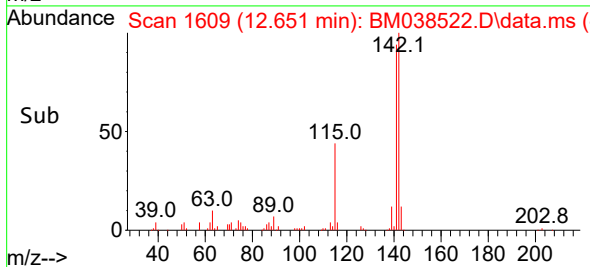
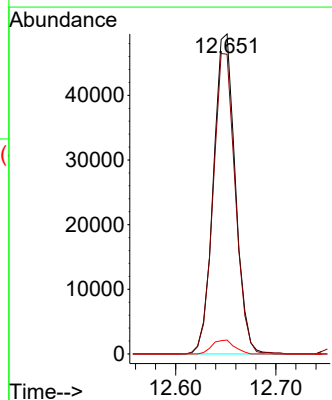
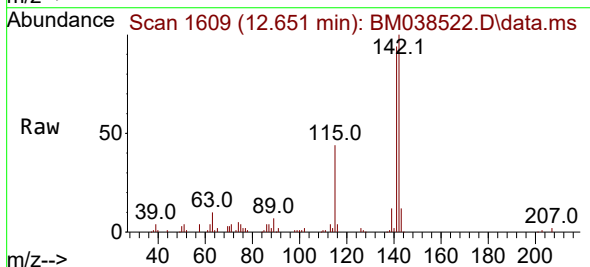
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

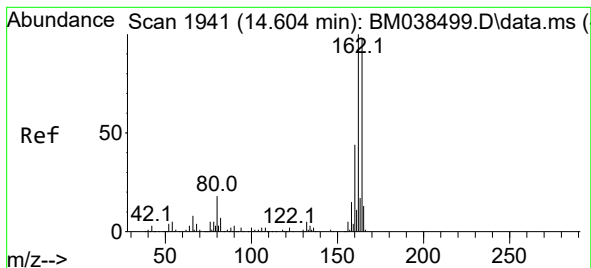
Tgt Ion:142 Resp: 79419
Ion Ratio Lower Upper
142 100
141 87.8 70.7 106.1
115 38.6 30.4 45.6



#38
1-Methylnaphthalene
Concen: 8.560 ng
RT: 12.651 min Scan# 1609
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:142 Resp: 74877
Ion Ratio Lower Upper
142 100
141 93.7 73.4 110.0
116 4.3 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.598 min Scan# 1940

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

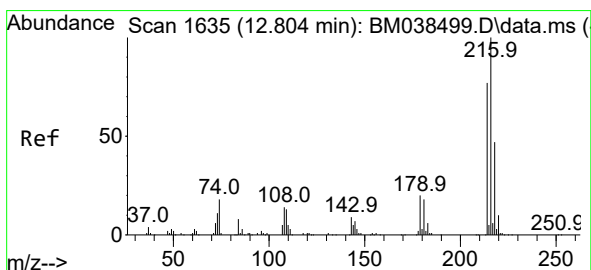
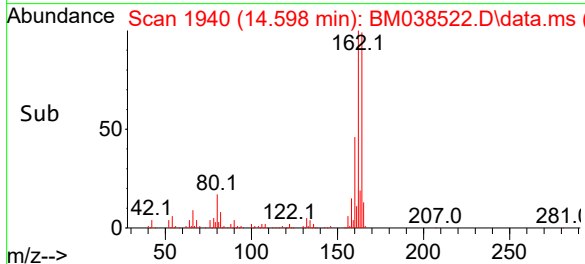
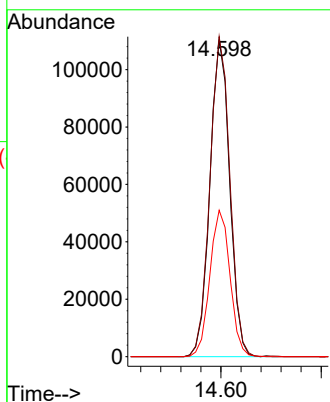
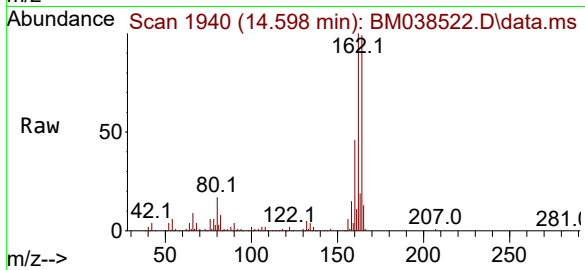
Tgt Ion:164 Resp: 151092

Ion Ratio Lower Upper

164 100

162 100.9 82.0 123.0

160 46.2 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.567 ng

RT: 12.798 min Scan# 1634

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Tgt Ion:216 Resp: 48692

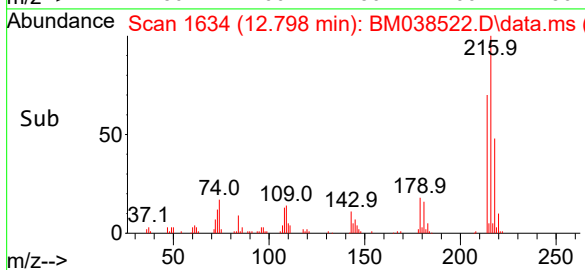
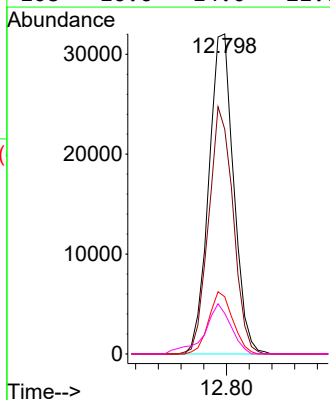
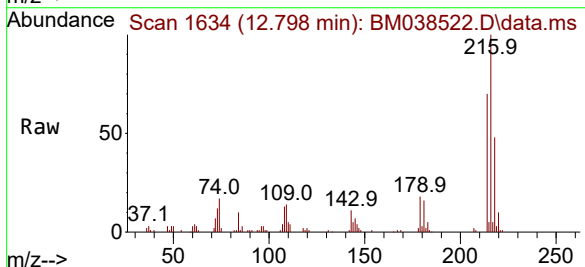
Ion Ratio Lower Upper

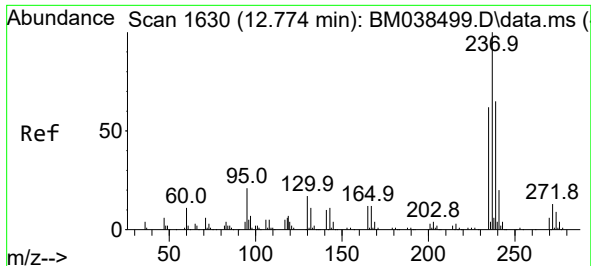
216 100

214 75.9 61.4 92.0

179 18.8 15.7 23.5

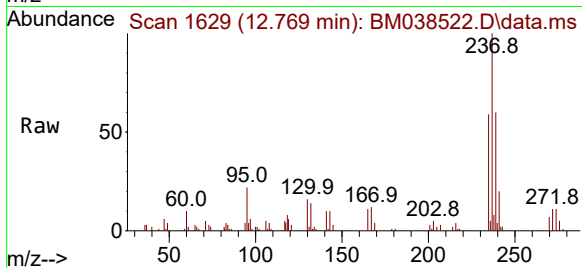
108 16.6 14.0 21.0



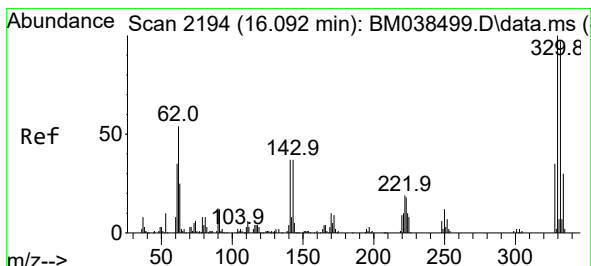
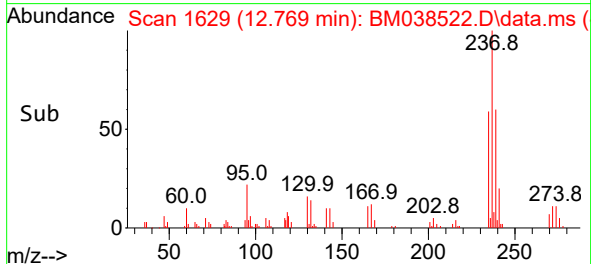
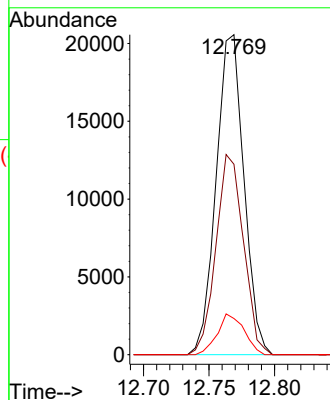


#41
Hexachlorocyclopentadiene
Concen: 9.706 ng
RT: 12.769 min Scan# 1629
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

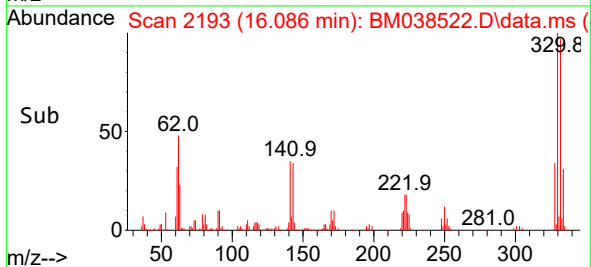
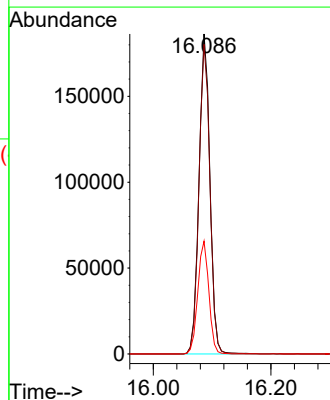
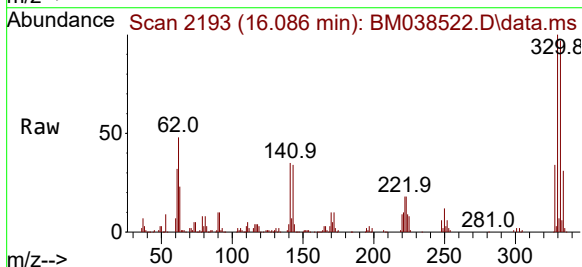


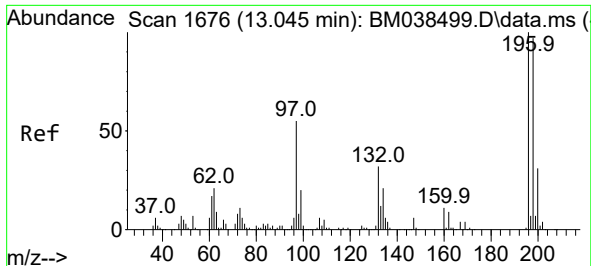
Tgt Ion:237 Resp: 30320
Ion Ratio Lower Upper
237 100
235 59.5 42.3 82.3
272 11.3 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 110.355 ng
RT: 16.086 min Scan# 2193
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:330 Resp: 240107
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 35.7 29.0 43.4

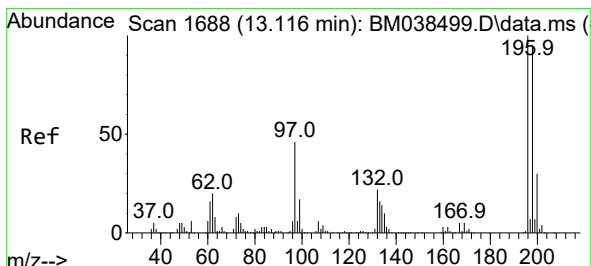
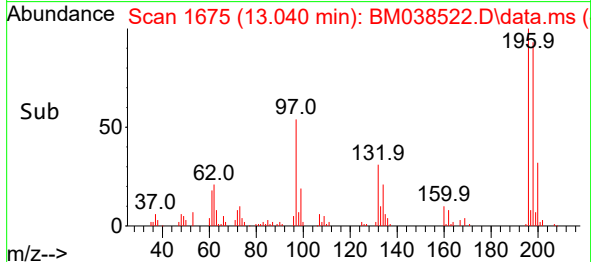
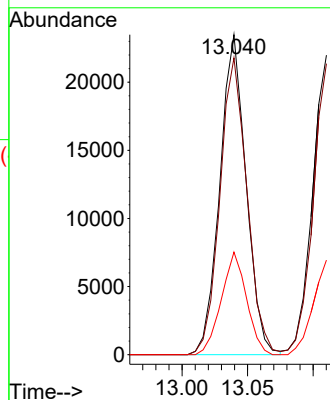
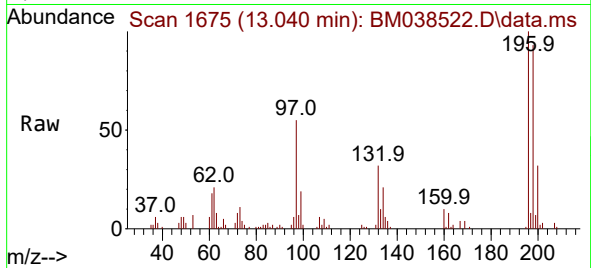




#43
2,4,6-Trichlorophenol
Concen: 8.983 ng
RT: 13.040 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

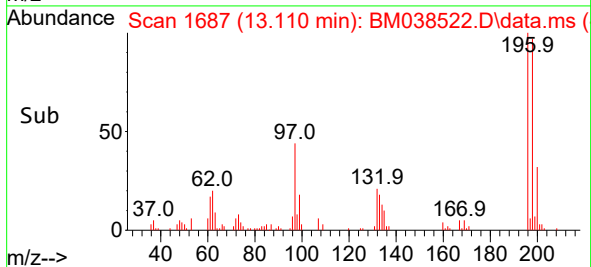
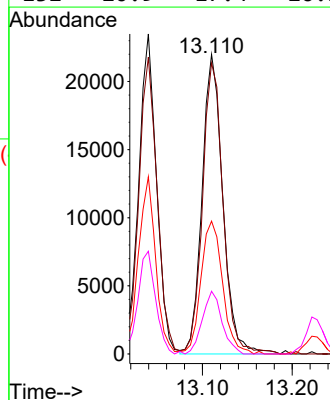
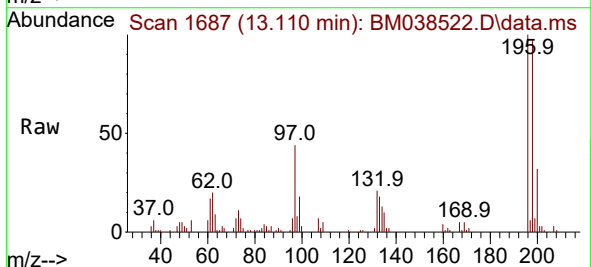
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

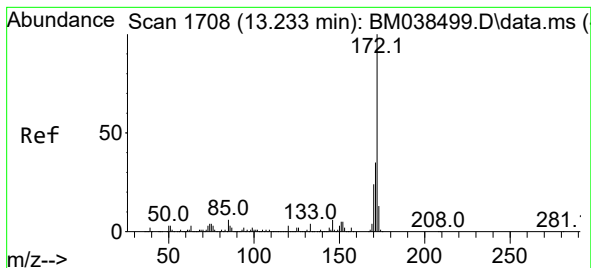
Tgt Ion:196 Resp: 32682
Ion Ratio Lower Upper
196 100
198 92.7 77.9 116.9
200 32.1 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 8.308 ng
RT: 13.110 min Scan# 1687
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:196 Resp: 35403
Ion Ratio Lower Upper
196 100
198 97.2 76.0 114.0
97 44.3 36.9 55.3
132 20.9 17.4 26.2





#45

2-Fluorobiphenyl

Concen: 66.532 ng

RT: 13.228 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

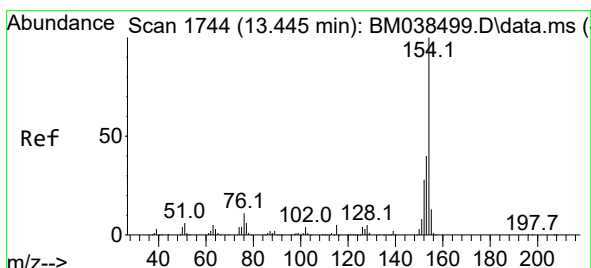
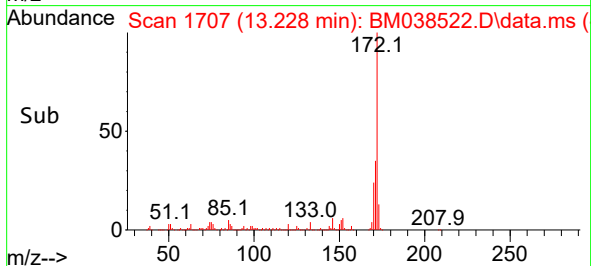
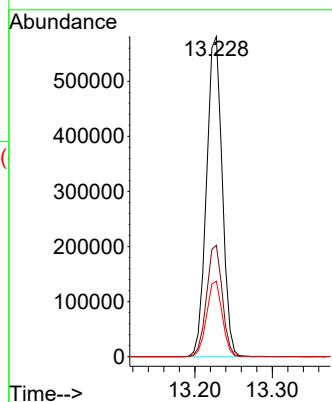
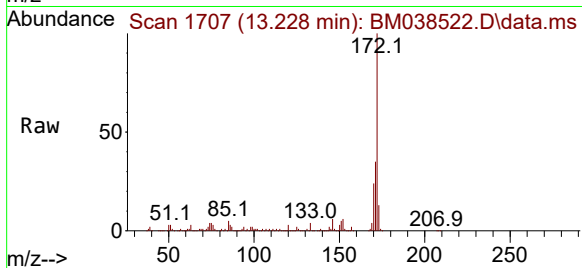
Tgt Ion:172 Resp: 816062

Ion Ratio Lower Upper

172 100

171 34.8 28.0 42.0

170 23.6 19.5 29.3



#46

1,1'-Biphenyl

Concen: 8.082 ng

RT: 13.434 min Scan# 1742

Delta R.T. -0.011 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

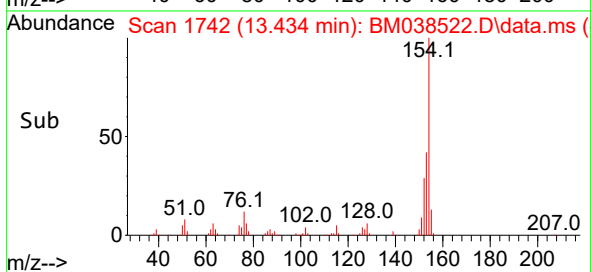
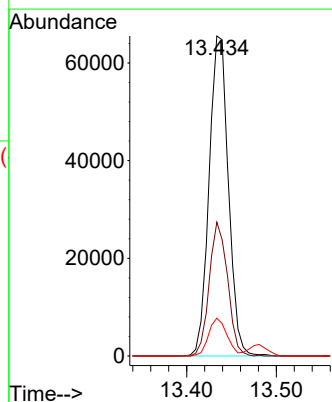
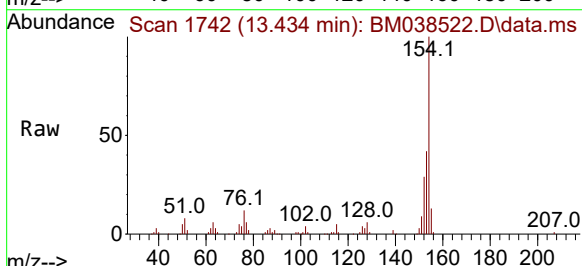
Tgt Ion:154 Resp: 97791

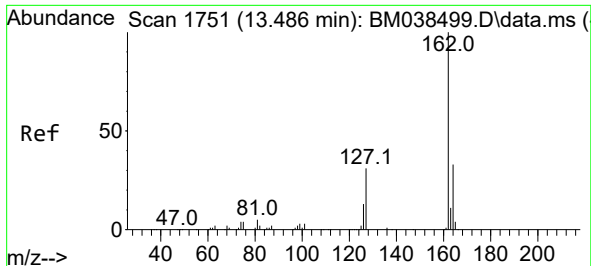
Ion Ratio Lower Upper

154 100

153 41.8 20.1 60.1

76 11.8 0.0 31.3

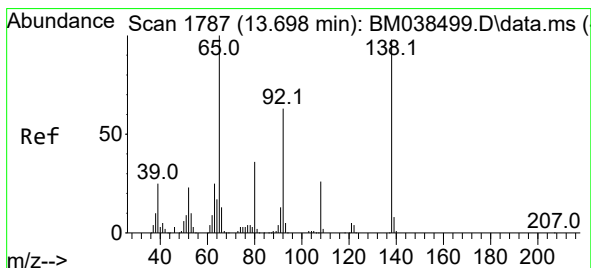
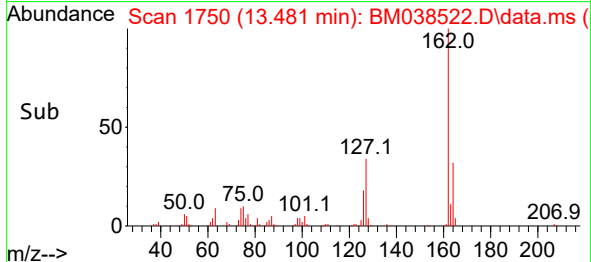
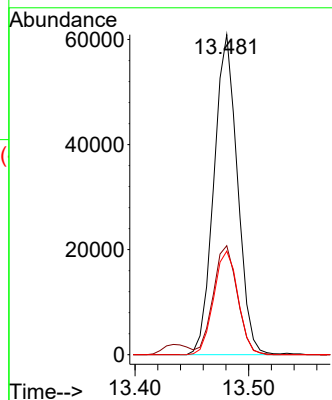
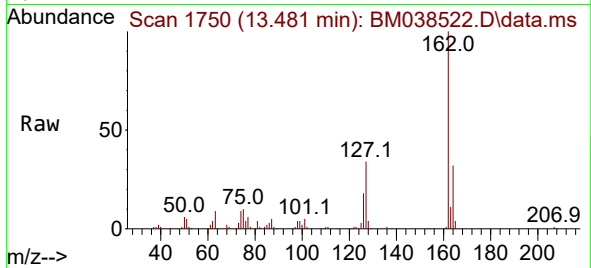




#47
2-Chloronaphthalene
Concen: 9.295 ng
RT: 13.481 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

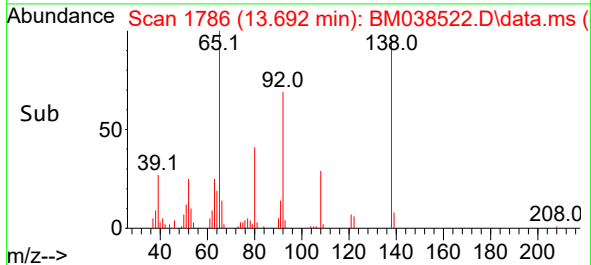
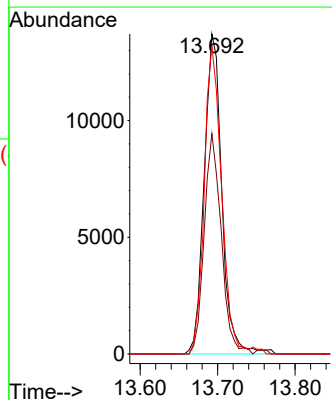
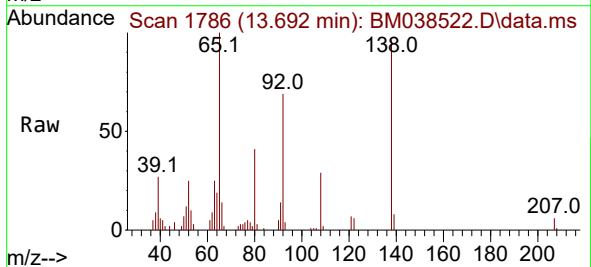
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

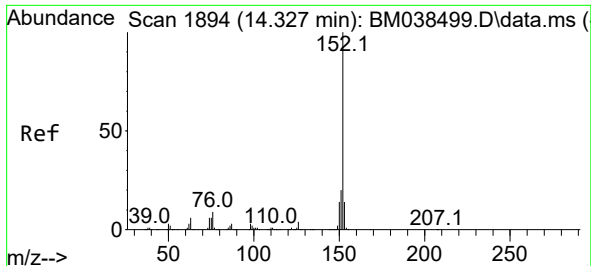
Tgt Ion:162 Resp: 87801
Ion Ratio Lower Upper
162 100
127 34.1 27.4 41.2
164 32.3 26.7 40.1



#48
2-Nitroaniline
Concen: 7.832 ng
RT: 13.692 min Scan# 1786
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 65 Resp: 21725
Ion Ratio Lower Upper
65 100
92 68.8 50.0 75.0
138 96.2 78.2 117.2

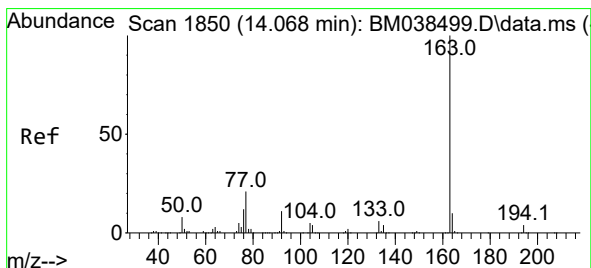
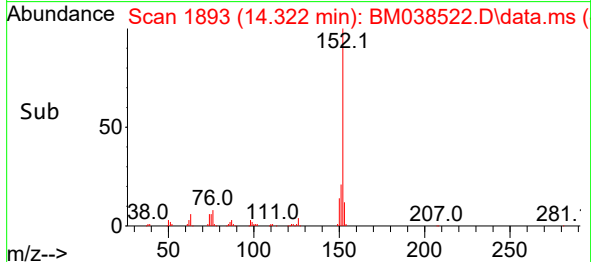
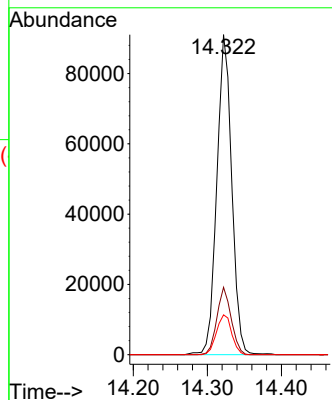
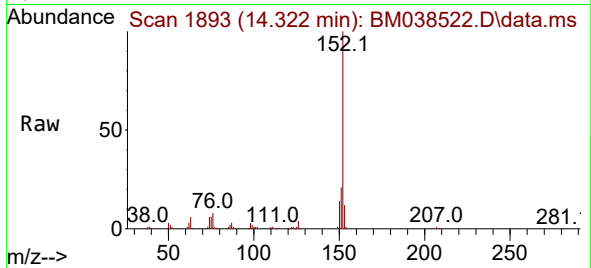




#49
Acenaphthylene
Concen: 8.606 ng
RT: 14.322 min Scan# 1893
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

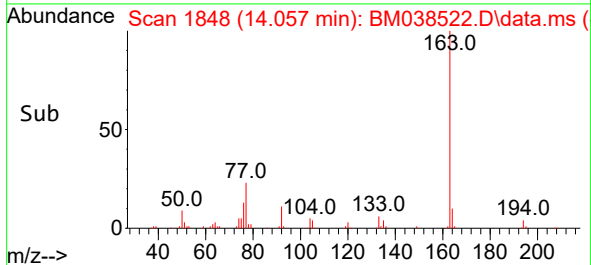
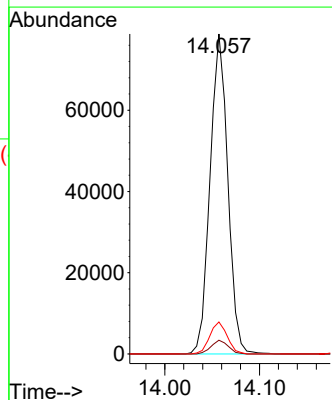
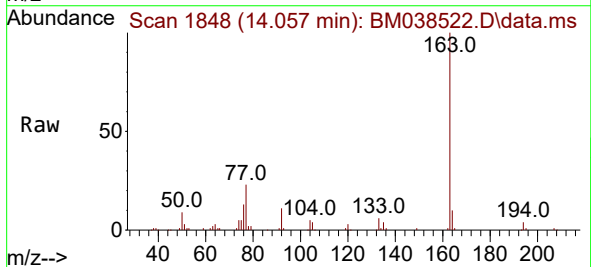
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

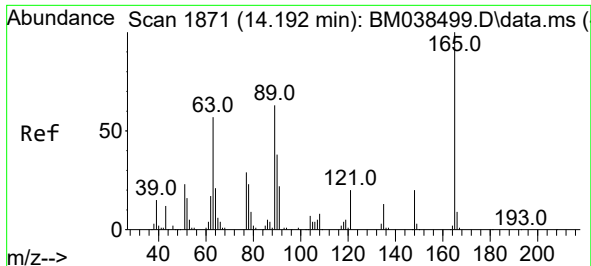
Tgt Ion:152 Resp: 127186
Ion Ratio Lower Upper
152 100
151 21.1 16.0 24.0
153 12.5 10.8 16.2



#50
Dimethylphthalate
Concen: 8.803 ng
RT: 14.057 min Scan# 1848
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:163 Resp: 102381
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 8.276 ng

RT: 14.187 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

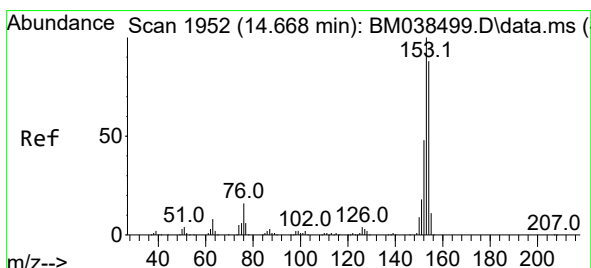
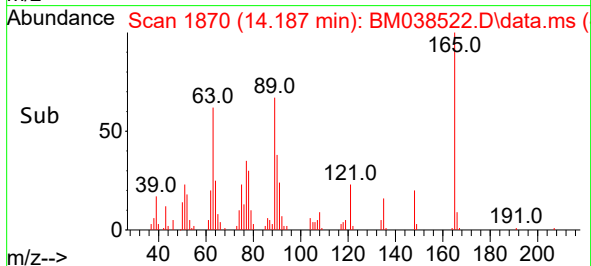
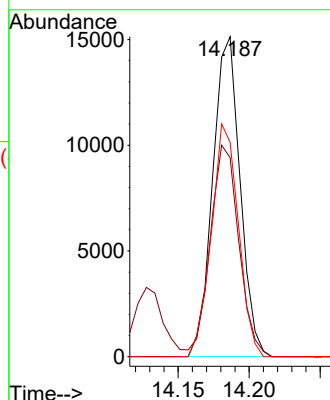
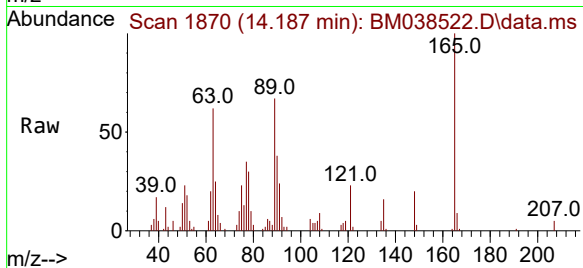
Tgt Ion:165 Resp: 20257

Ion Ratio Lower Upper

165 100

63 62.2 51.0 76.4

89 67.0 50.2 75.4



#52

Acenaphthene

Concen: 8.775 ng

RT: 14.663 min Scan# 1951

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

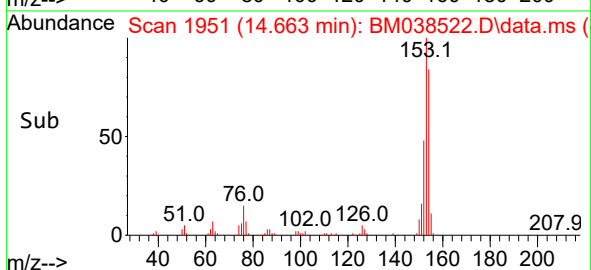
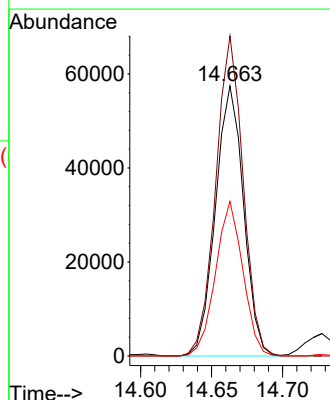
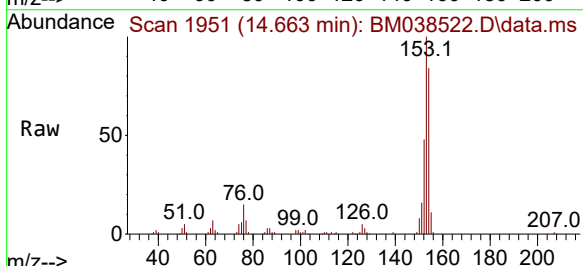
Tgt Ion:154 Resp: 79095

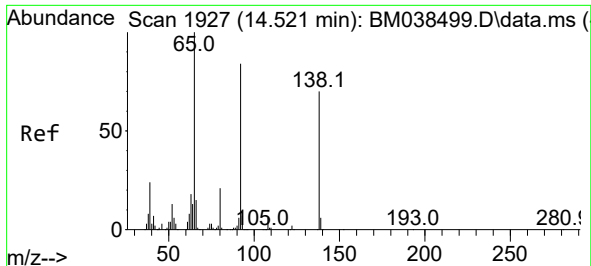
Ion Ratio Lower Upper

154 100

153 118.6 90.7 136.1

152 57.3 43.8 65.8

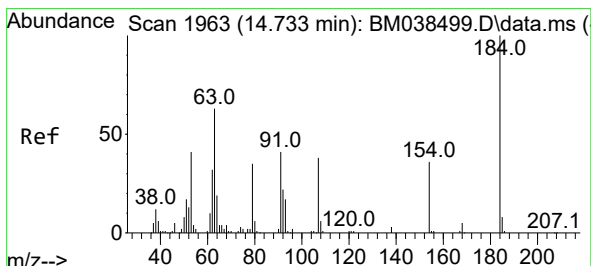
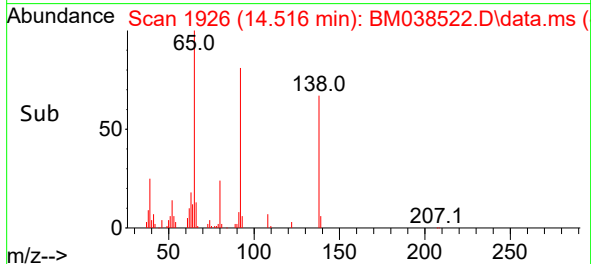
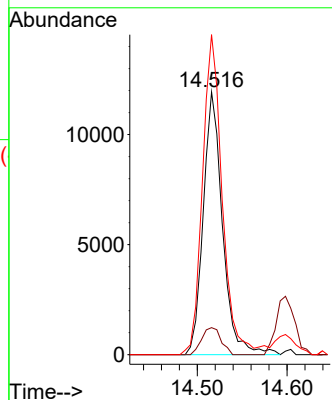
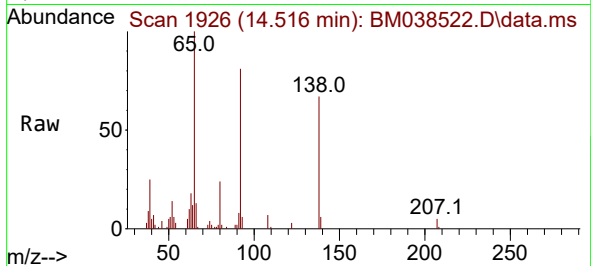




#53
3-Nitroaniline
Concen: 7.337 ng
RT: 14.516 min Scan# 1926
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

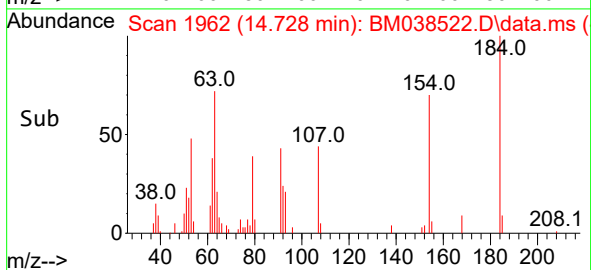
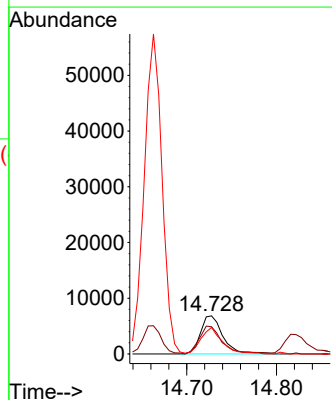
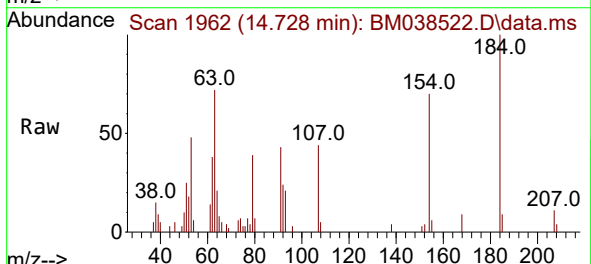
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

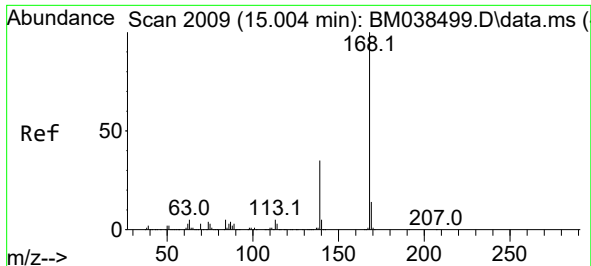
Tgt Ion:138 Resp: 17846
Ion Ratio Lower Upper
138 100
108 10.3 7.0 10.4
92 121.8 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 10.644 ng
RT: 14.728 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:184 Resp: 11787
Ion Ratio Lower Upper
184 100
63 71.5 52.2 78.4
154 69.6 48.9 73.3

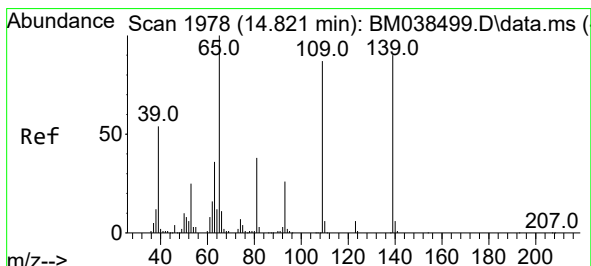
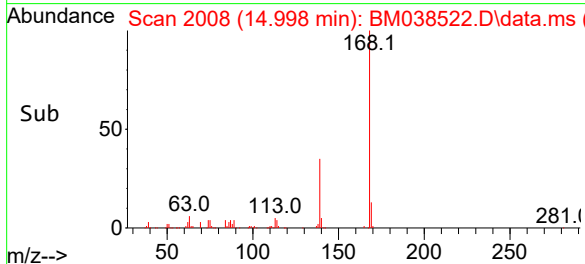
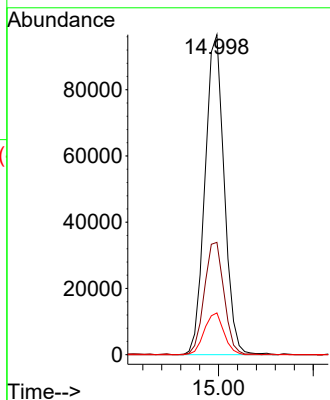
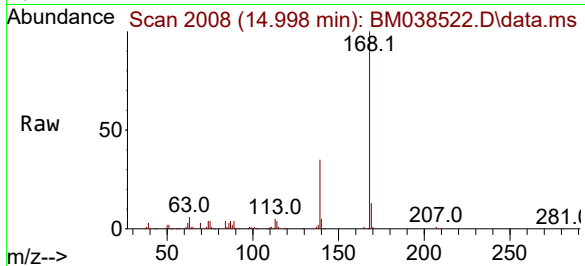




#55
Dibenzenofuran
Concen: 9.015 ng
RT: 14.998 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

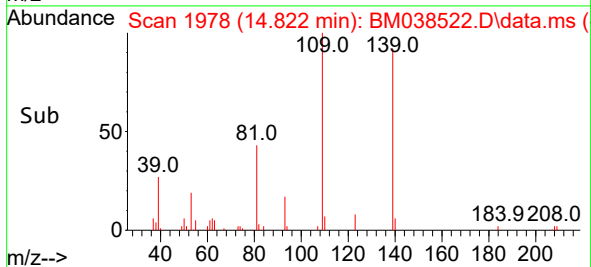
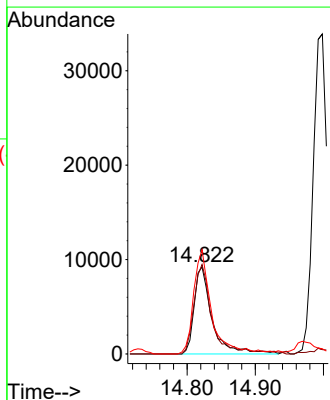
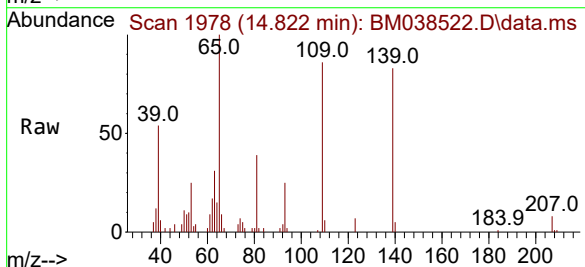
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

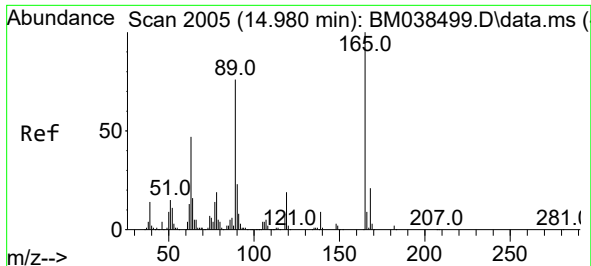
Tgt Ion:168 Resp: 135852
Ion Ratio Lower Upper
168 100
139 35.1 27.9 41.9
169 13.0 11.0 16.6



#56
4-Nitrophenol
Concen: 8.401 ng
RT: 14.822 min Scan# 1978
Delta R.T. 0.001 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:139 Resp: 16827
Ion Ratio Lower Upper
139 100
109 102.9 76.8 116.8
65 120.0 91.7 131.7





#57

2,4-Dinitrotoluene

Concen: 8.185 ng

RT: 14.969 min Scan# 20

Delta R.T. -0.011 min

Lab File: BM038522.D

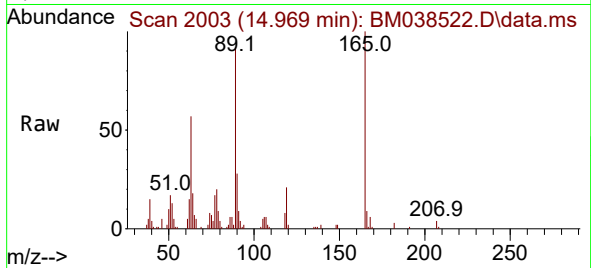
Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:165 Resp: 27157

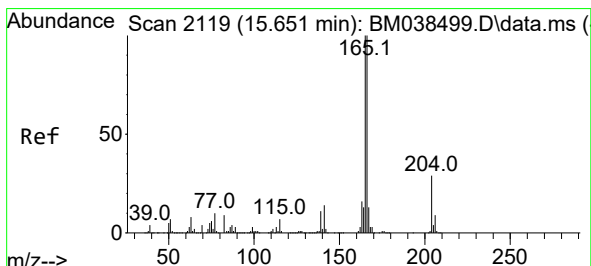
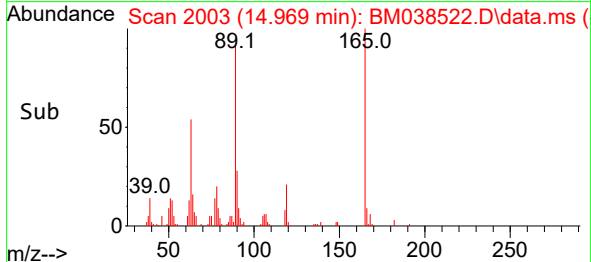
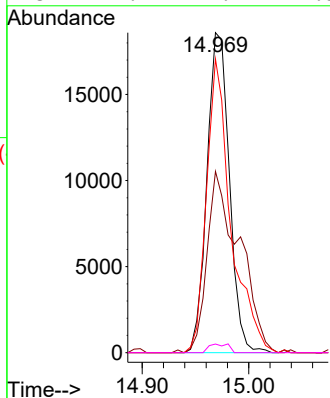
Ion Ratio Lower Upper

165 100

63 56.6 37.8 56.8

89 91.7 60.9 91.3#

182 2.7 1.7 2.5#



#58

Fluorene

Concen: 8.743 ng

RT: 15.645 min Scan# 2118

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

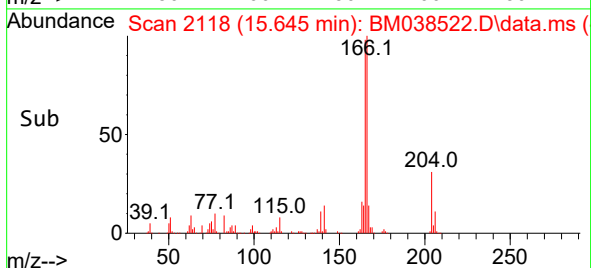
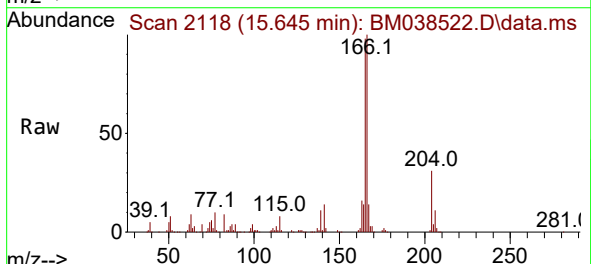
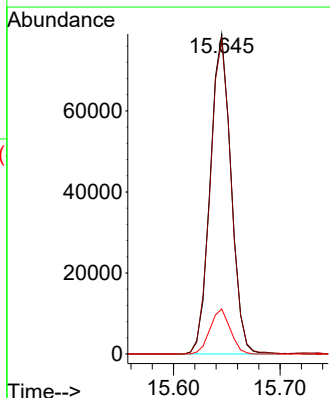
Tgt Ion:166 Resp: 106835

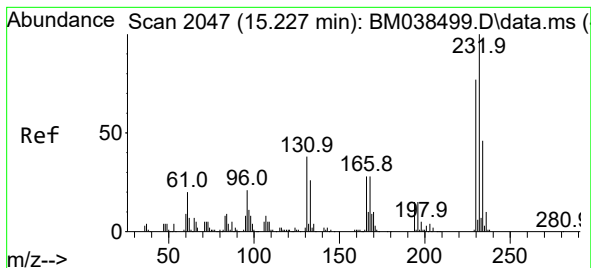
Ion Ratio Lower Upper

166 100

165 98.4 79.6 119.4

167 14.0 10.5 15.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.788 ng

RT: 15.222 min Scan# 2046

Delta R.T. -0.005 min

Lab File: BM038522.D

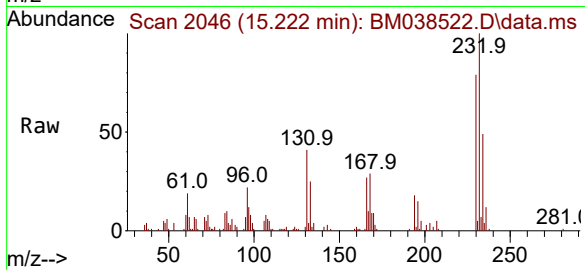
Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:232 Resp: 30609

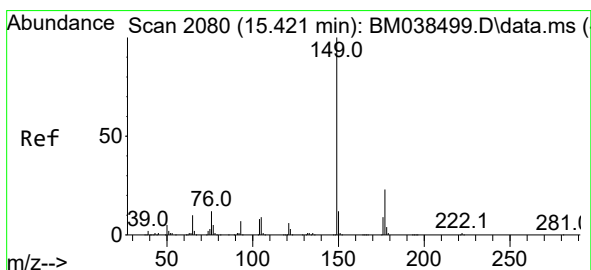
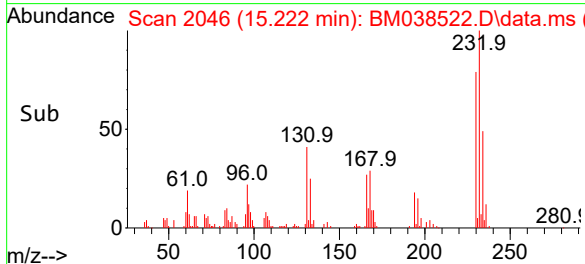
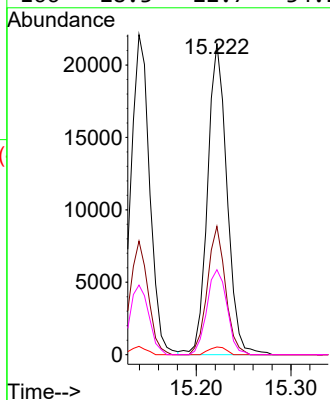
Ion Ratio Lower Upper

232 100

131 38.7 31.0 46.4

130 2.2 1.8 2.6

166 28.3 22.7 34.1



#60

Diethylphthalate

Concen: 8.705 ng

RT: 15.410 min Scan# 2078

Delta R.T. -0.011 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

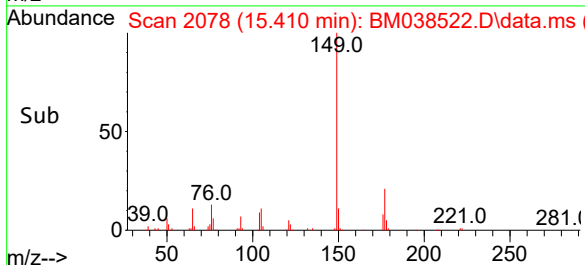
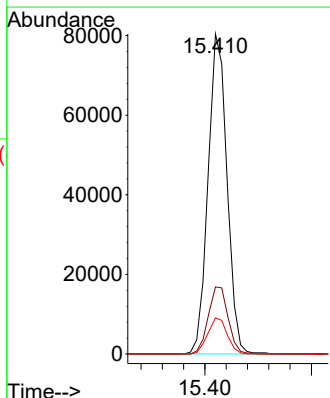
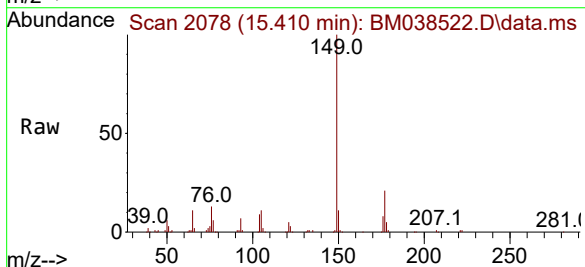
Tgt Ion:149 Resp: 99146

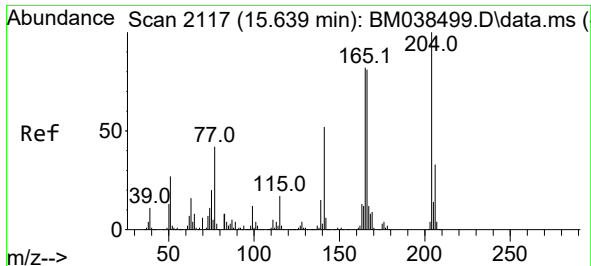
Ion Ratio Lower Upper

149 100

177 21.0 18.6 27.8

150 11.3 9.5 14.3

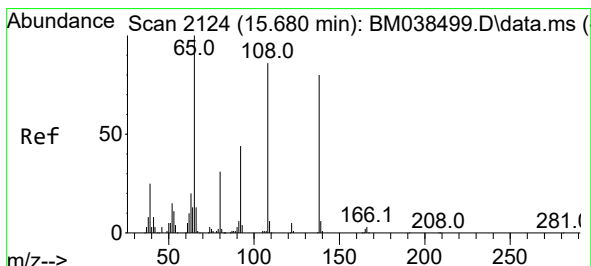
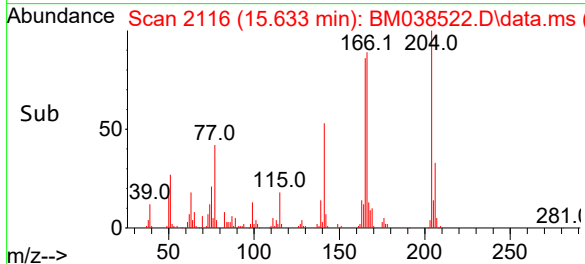
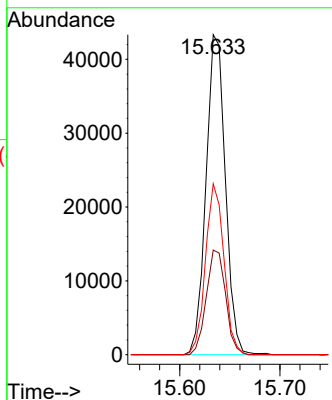
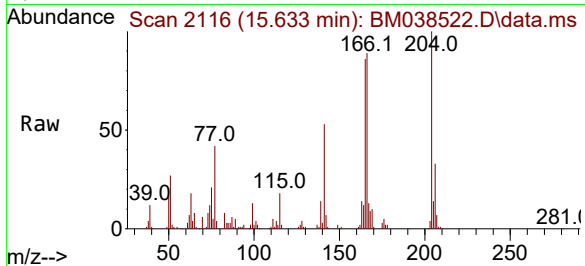




#61
4-Chlorophenyl-phenylether
Concen: 9.099 ng
RT: 15.633 min Scan# 2116
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

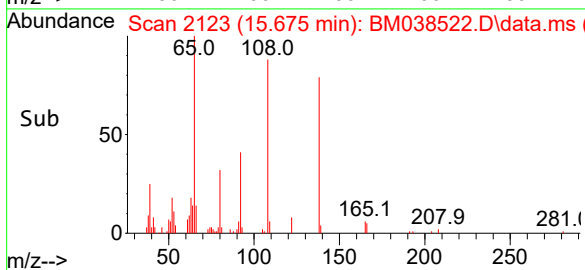
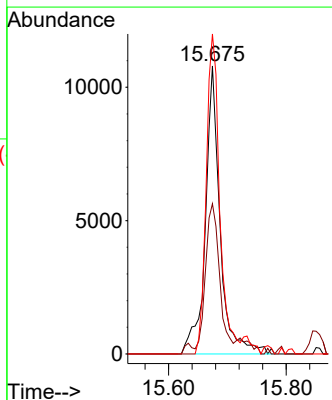
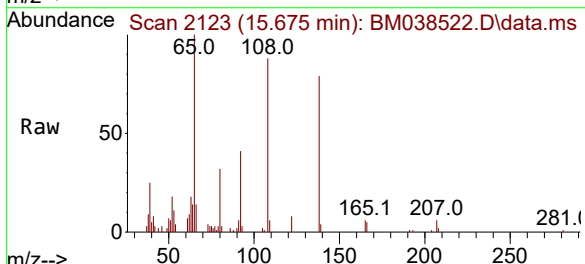
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

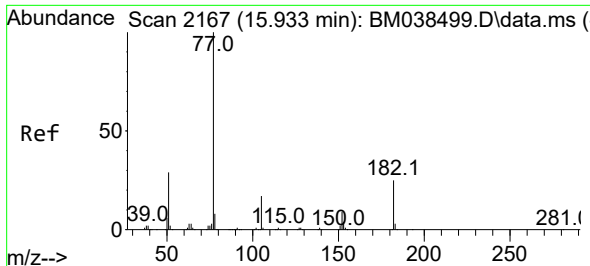
Tgt Ion:204 Resp: 58373
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.4
141 53.4 41.5 62.3



#62
4-Nitroaniline
Concen: 9.646 ng
RT: 15.675 min Scan# 2123
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:138 Resp: 18845
Ion Ratio Lower Upper
138 100
92 52.2 35.2 75.2
108 111.1 87.3 127.3

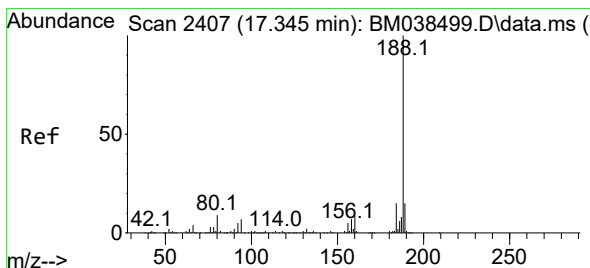
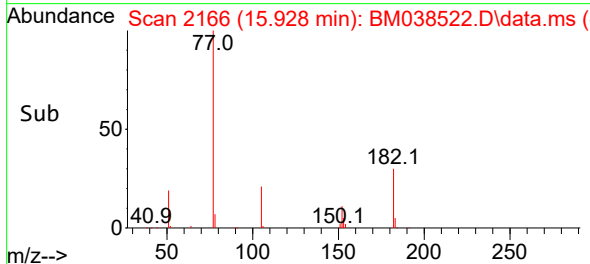
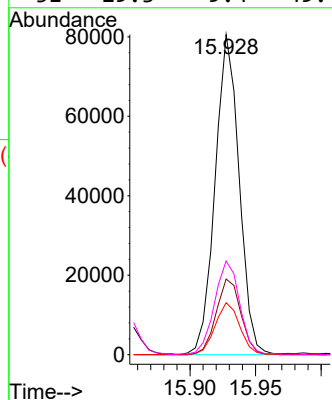
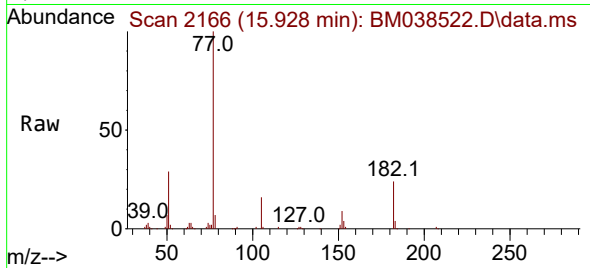




#63
Azobenzene
Concen: 8.507 ng
RT: 15.928 min Scan# 2166
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

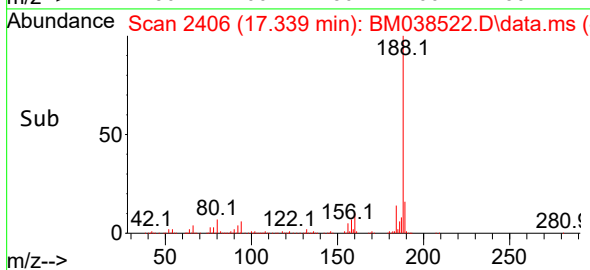
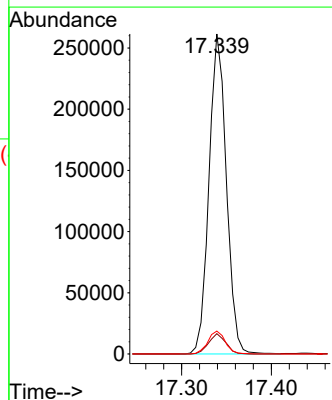
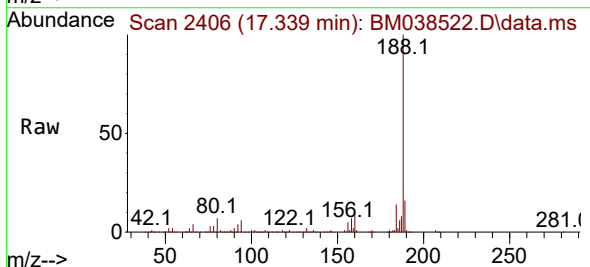
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

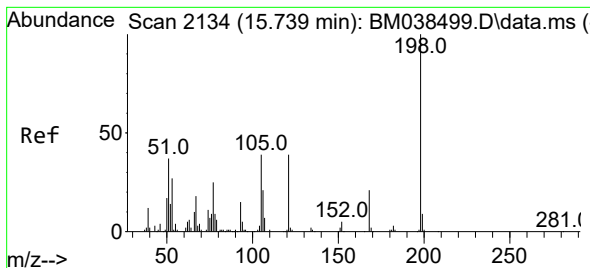
Tgt Ion: 77	Resp: 102665
Ion Ratio	Lower Upper
77 100	
182 23.7	4.7 44.7
105 16.3	0.0 36.7
51 29.3	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2406
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion: 188	Resp: 351254
Ion Ratio	Lower Upper
188 100	
94 6.3	6.0 9.0
80 7.2	6.9 10.3

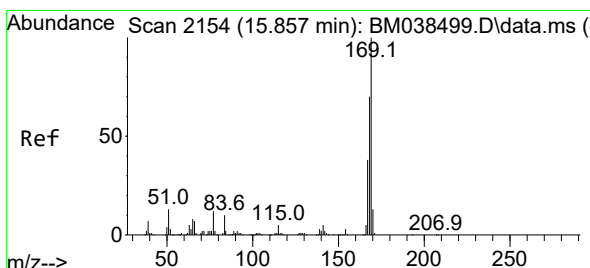
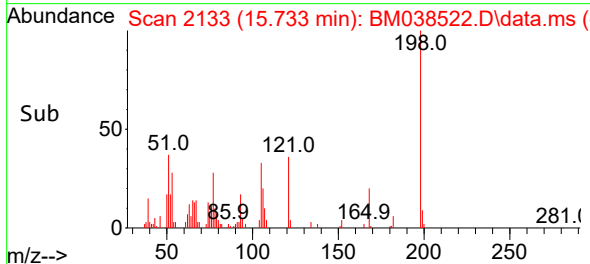
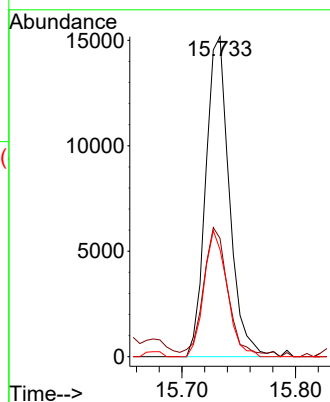
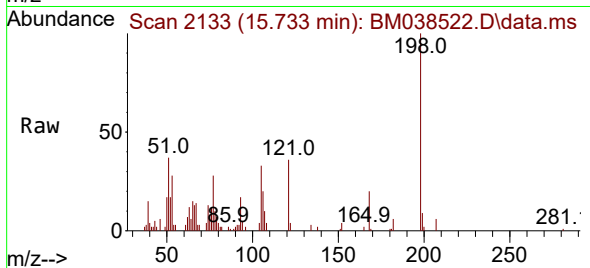




#65
4,6-Dinitro-2-methylphenol
Concen: 9.625 ng
RT: 15.733 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

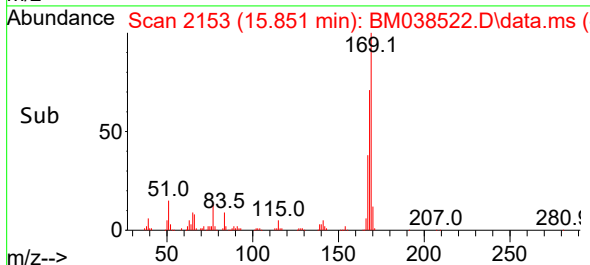
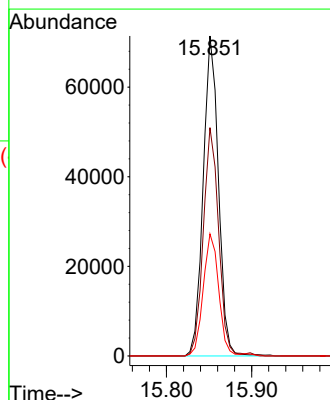
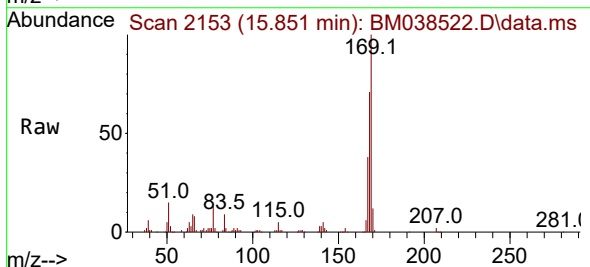
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

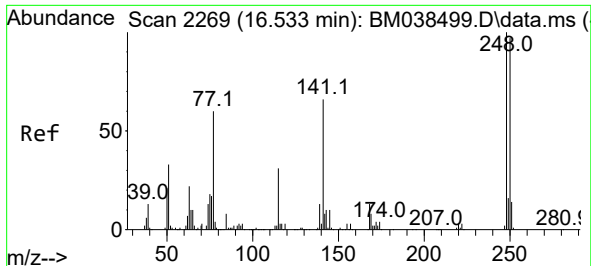
Tgt Ion:198 Resp: 21946
Ion Ratio Lower Upper
198 100
51 36.9 18.8 58.8
105 33.5 19.7 59.7



#66
n-Nitrosodiphenylamine
Concen: 8.447 ng
RT: 15.851 min Scan# 2153
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:169 Resp: 89070
Ion Ratio Lower Upper
169 100
168 71.3 55.8 83.8
167 38.2 30.3 45.5

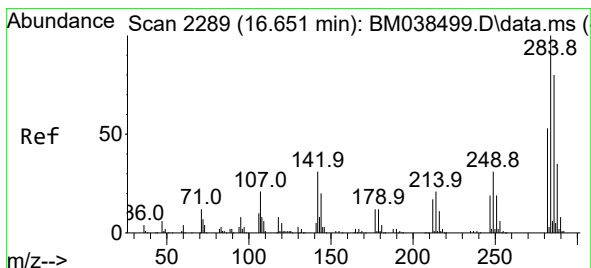
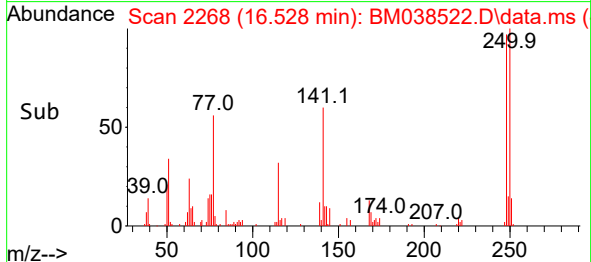
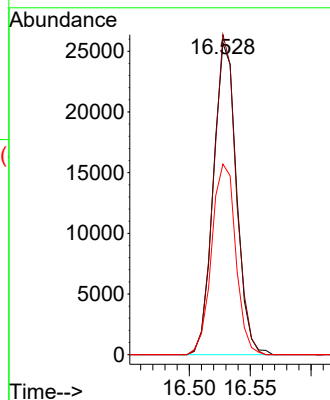
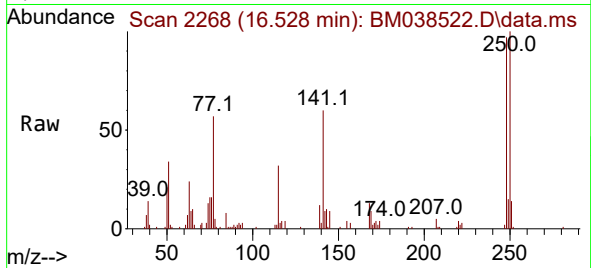




#67
4-Bromophenyl-phenylether
Concen: 8.731 ng
RT: 16.528 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

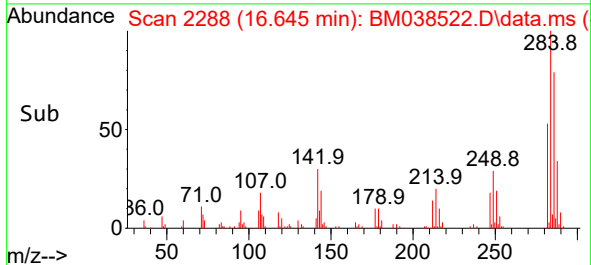
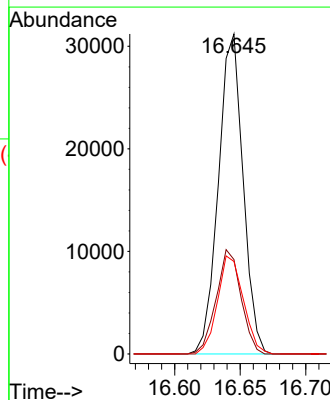
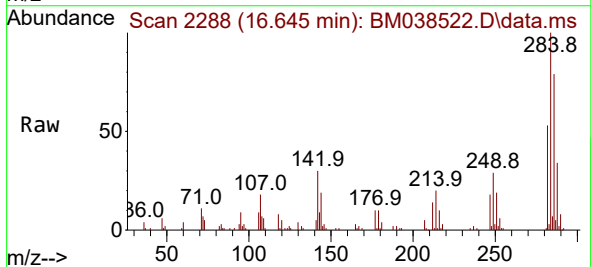
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

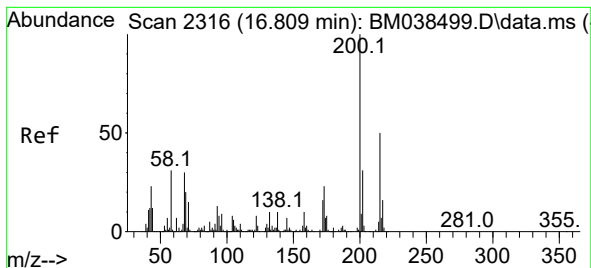
Tgt Ion:248 Resp: 34018
Ion Ratio Lower Upper
248 100
250 102.7 77.6 116.4
141 61.2 52.5 78.7



#68
Hexachlorobenzene
Concen: 9.688 ng
RT: 16.645 min Scan# 2288
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:284 Resp: 40730
Ion Ratio Lower Upper
284 100
142 29.5 25.2 37.8
249 28.9 24.4 36.6





#69

Atrazine

Concen: 8.367 ng

RT: 16.798 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

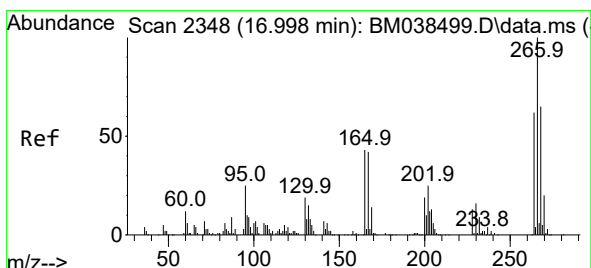
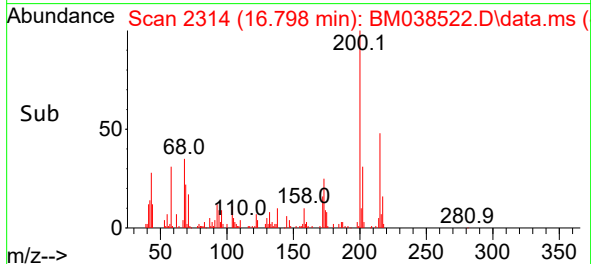
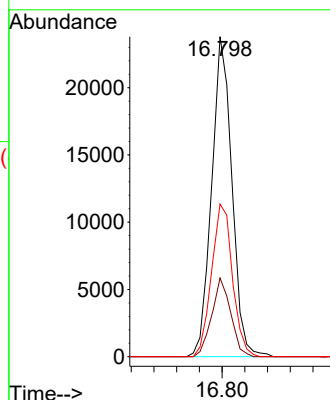
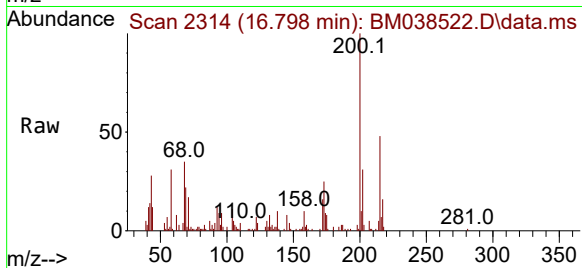
Tgt Ion:200 Resp: 29434

Ion Ratio Lower Upper

200 100

173 24.6 3.5 43.5

215 47.7 30.0 70.0



#70

Pentachlorophenol

Concen: 10.971 ng

RT: 16.992 min Scan# 2347

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

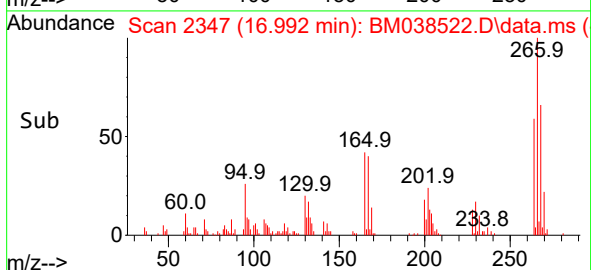
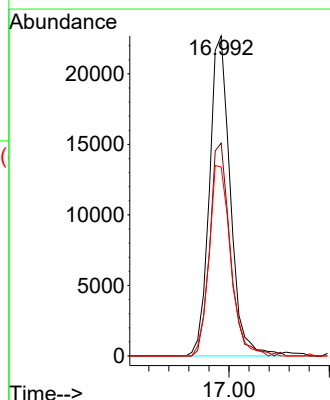
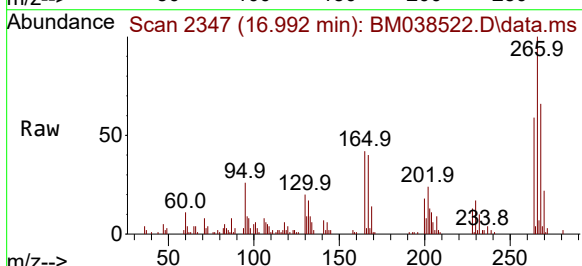
Tgt Ion:266 Resp: 32842

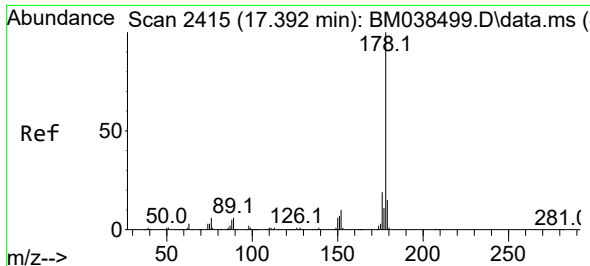
Ion Ratio Lower Upper

266 100

268 66.5 51.7 77.5

264 59.0 49.4 74.0

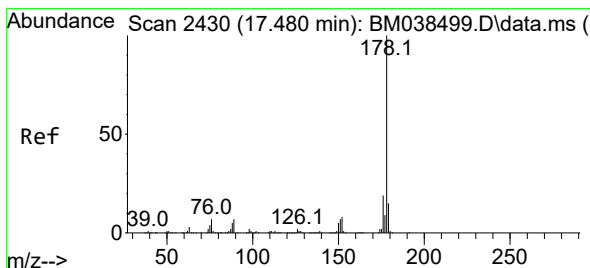
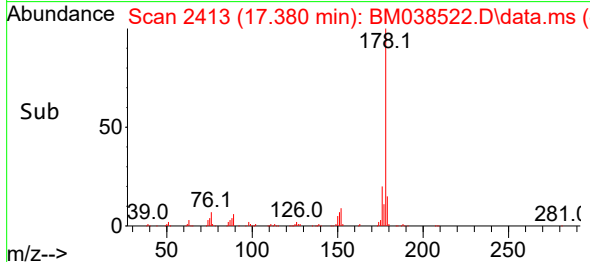
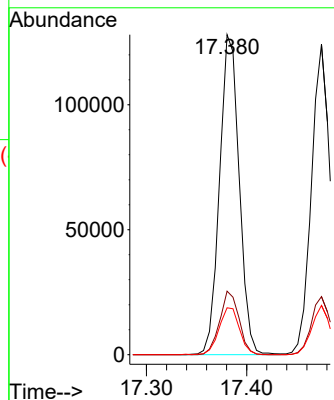
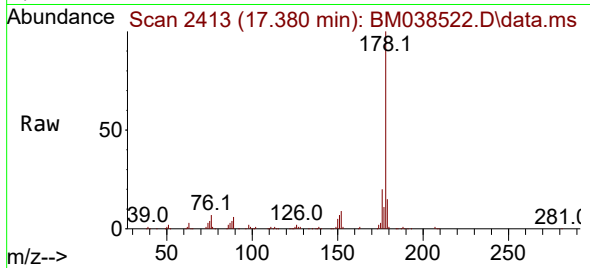




#71
Phenanthrene
Concen: 8.870 ng
RT: 17.380 min Scan# 2415
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

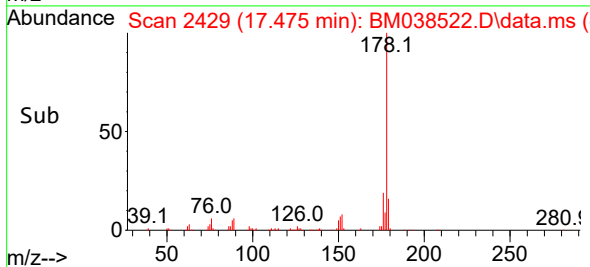
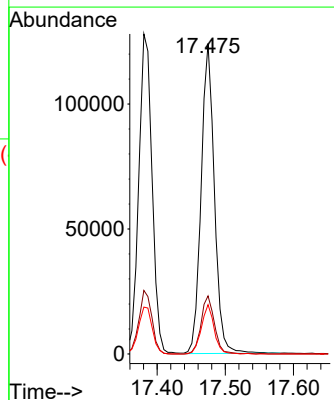
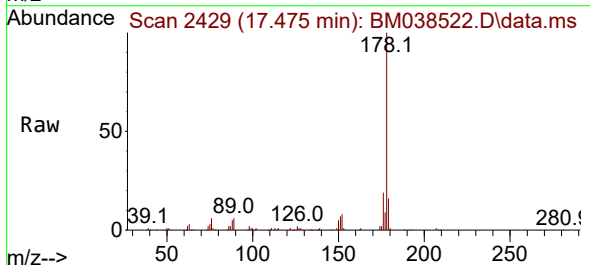
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

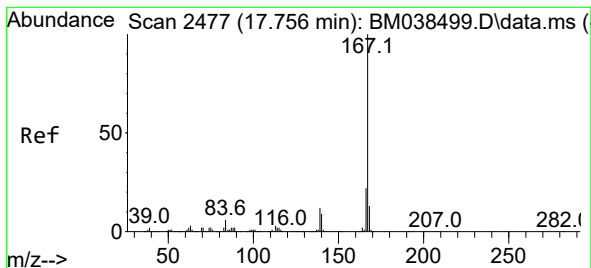
Tgt Ion:178 Resp: 173990
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 14.6 12.2 18.4



#72
Anthracene
Concen: 8.408 ng
RT: 17.475 min Scan# 2429
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:178 Resp: 167828
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.9 12.2 18.4





#73

Carbazole

Concen: 8.633 ng

RT: 17.745 min Scan# 24

Delta R.T. -0.011 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

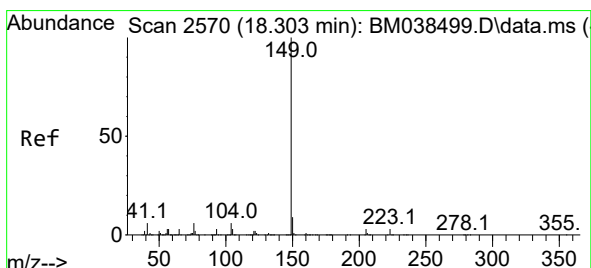
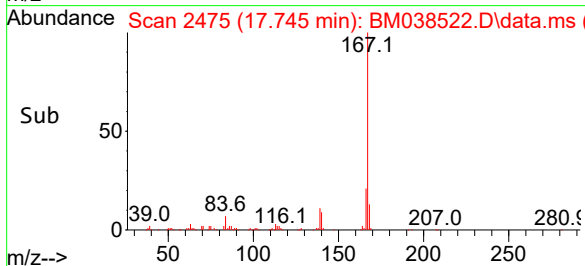
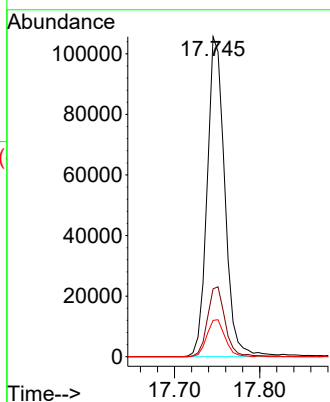
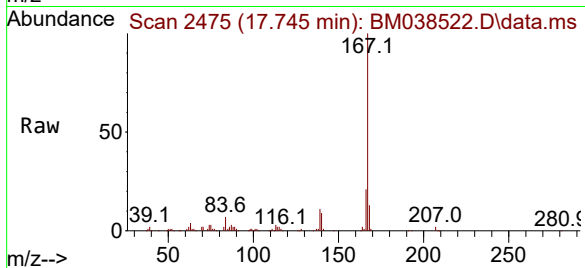
Tgt Ion:167 Resp: 151751

Ion Ratio Lower Upper

167 100

166 21.2 17.7 26.5

139 11.4 9.4 14.0



#74

Di-n-butylphthalate

Concen: 8.147 ng

RT: 18.298 min Scan# 2569

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

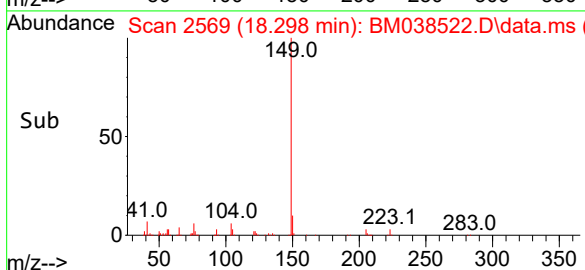
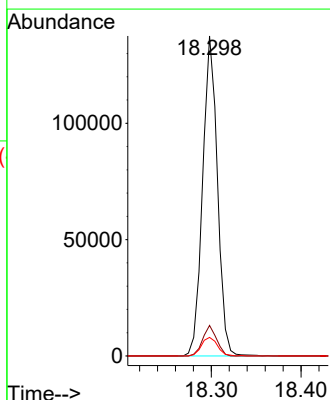
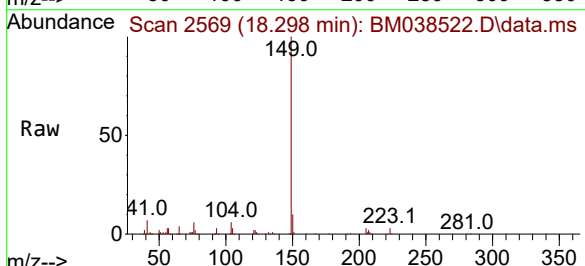
Tgt Ion:149 Resp: 157331

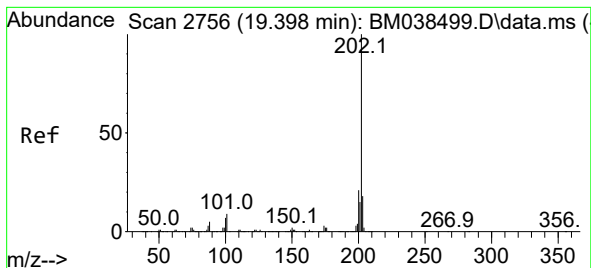
Ion Ratio Lower Upper

149 100

150 9.6 7.4 11.0

104 5.8 4.6 6.8





#75

Fluoranthene

Concen: 9.050 ng

RT: 19.392 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

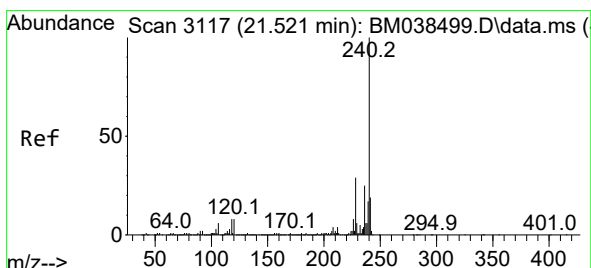
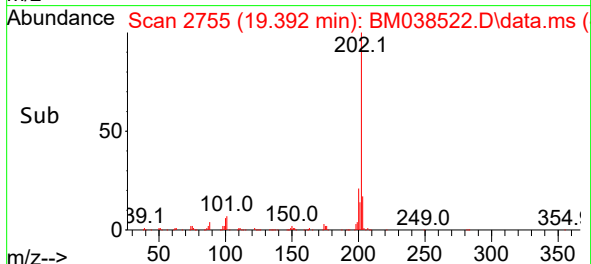
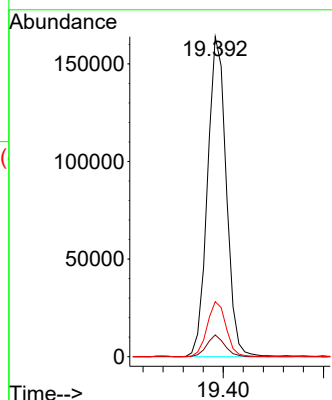
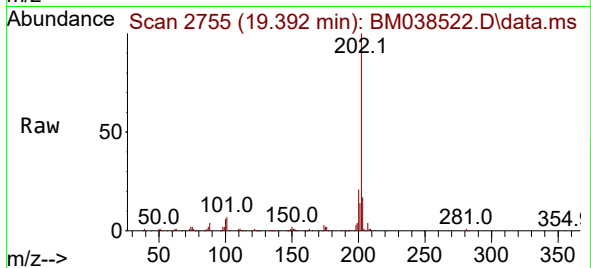
Tgt Ion:202 Resp: 213359

Ion Ratio Lower Upper

202 100

101 6.8 0.0 28.7

203 17.2 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3116

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

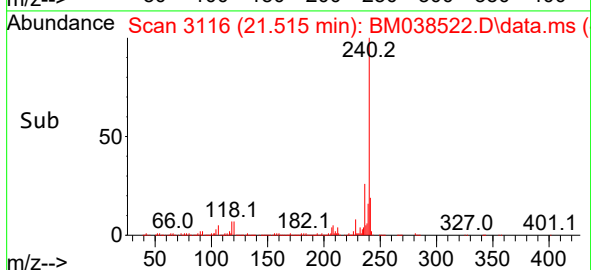
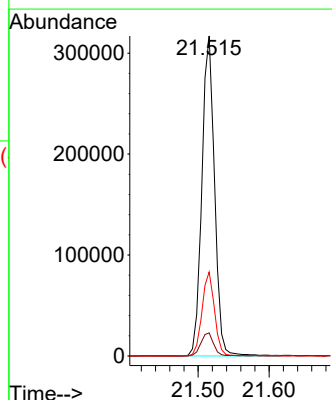
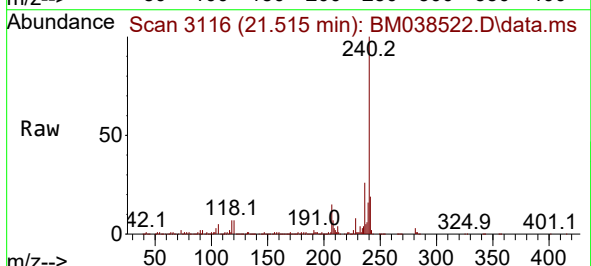
Tgt Ion:240 Resp: 394864

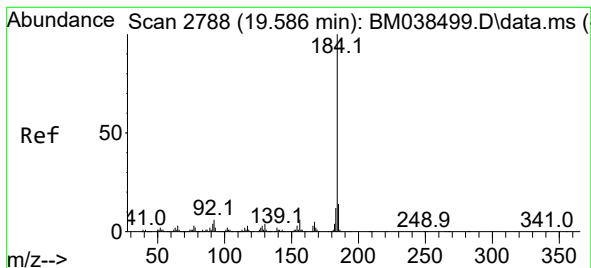
Ion Ratio Lower Upper

240 100

120 7.2 6.2 9.2

236 26.2 20.2 30.2





#77

Benzidine

Concen: 7.539 ng

RT: 19.586 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

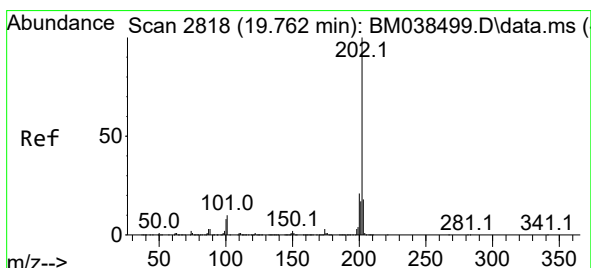
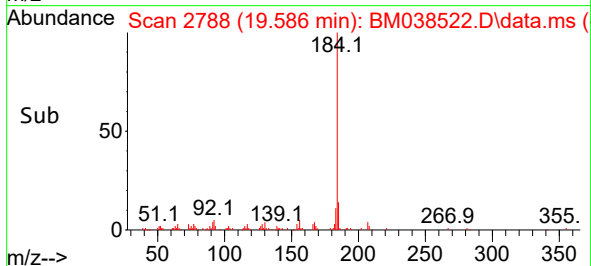
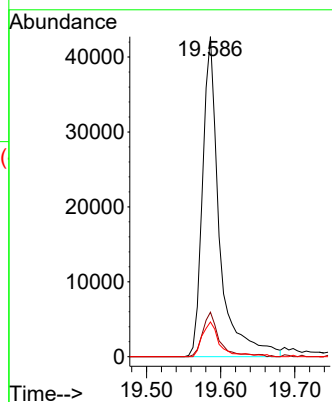
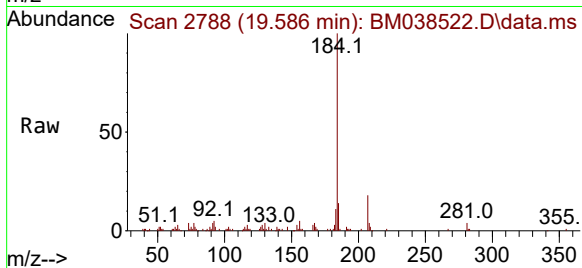
Tgt Ion:184 Resp: 67834

Ion Ratio Lower Upper

184 100

185 13.9 10.9 16.3

183 10.8 9.3 13.9



#78

Pyrene

Concen: 8.336 ng

RT: 19.757 min Scan# 2817

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

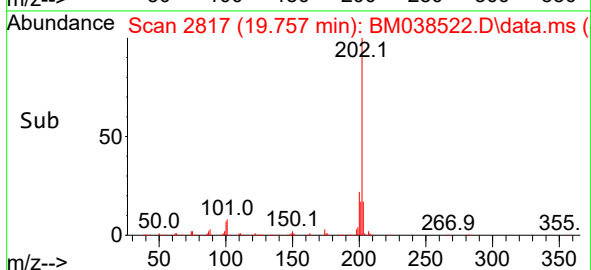
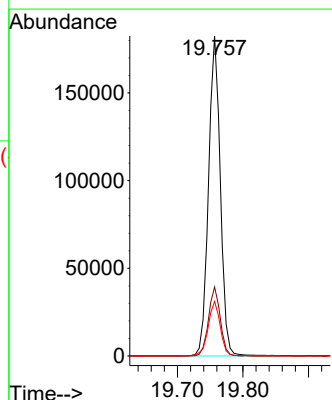
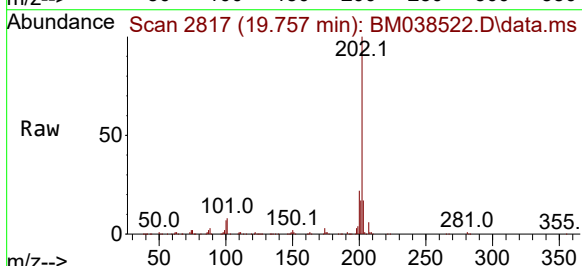
Tgt Ion:202 Resp: 229184

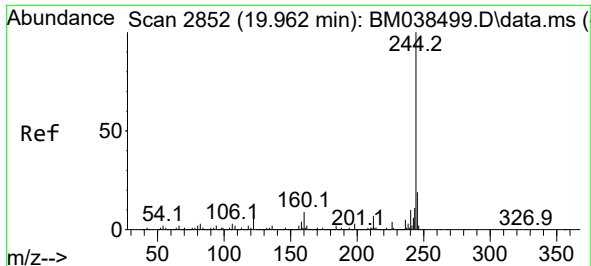
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

203 17.1 14.2 21.2

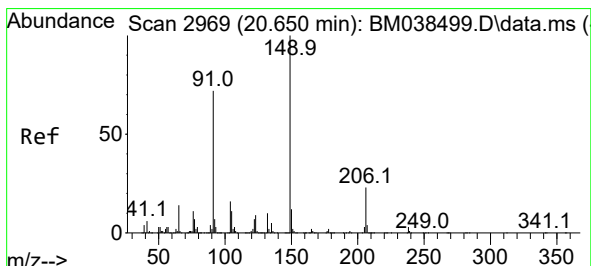
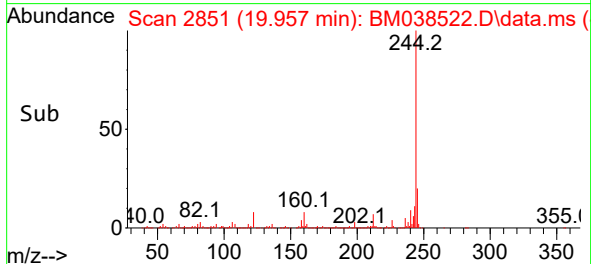
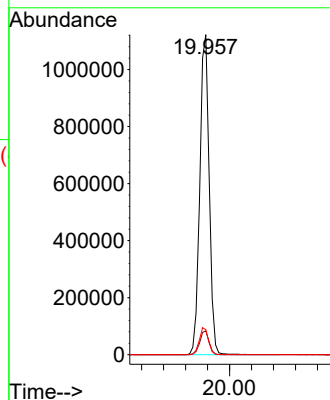
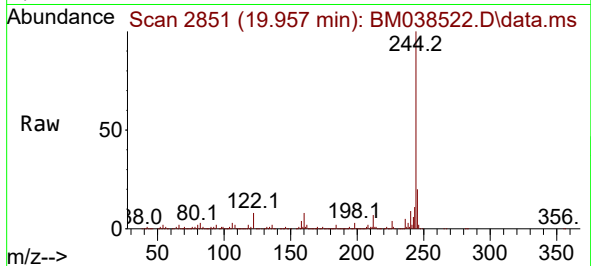




#79
 Terphenyl-d14
 Concen: 65.777 ng
 RT: 19.957 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM038522.D
 Acq: 24 Jan 2023 12:30

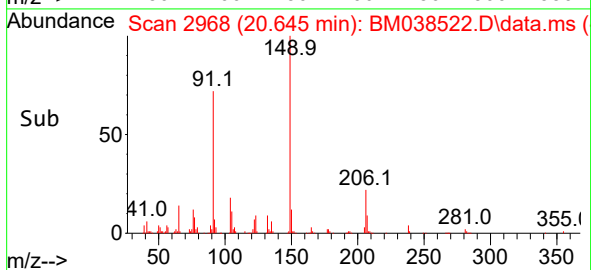
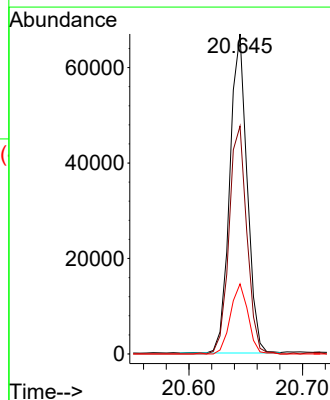
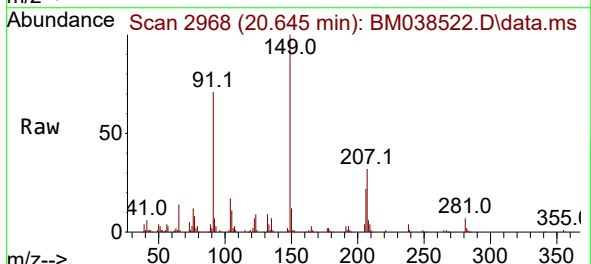
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

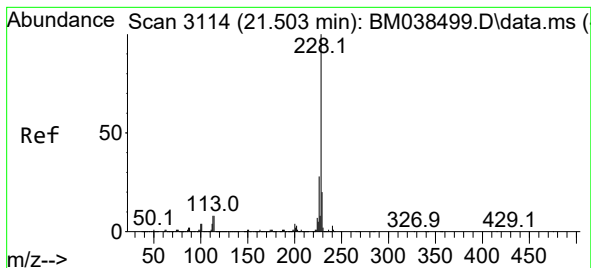
Tgt Ion:244 Resp: 1332284
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 7.8 6.7 10.1



#80
 Butylbenzylphthalate
 Concen: 7.435 ng
 RT: 20.645 min Scan# 2968
 Delta R.T. -0.005 min
 Lab File: BM038522.D
 Acq: 24 Jan 2023 12:30

Tgt Ion:149 Resp: 70685
 Ion Ratio Lower Upper
 149 100
 91 71.2 57.5 86.3
 206 21.9 18.2 27.2





#81

Benzo(a)anthracene

Concen: 8.936 ng

RT: 21.498 min Scan# 3113

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

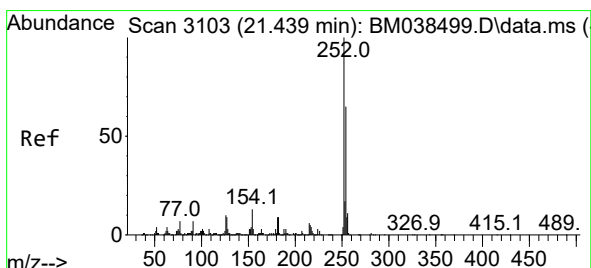
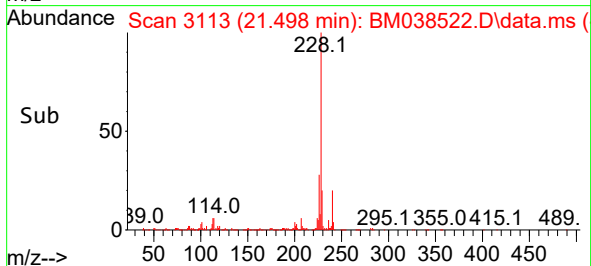
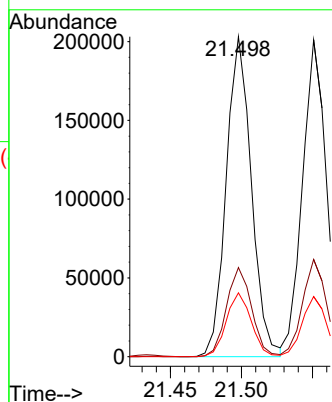
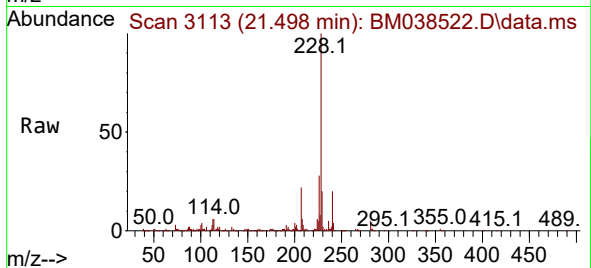
Tgt Ion:228 Resp: 250031

Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.2

229 19.9 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 8.852 ng

RT: 21.433 min Scan# 3102

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

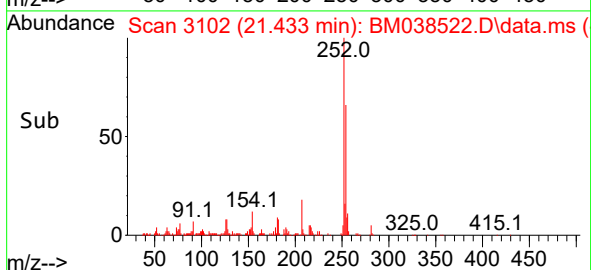
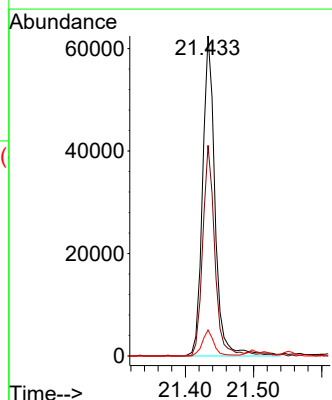
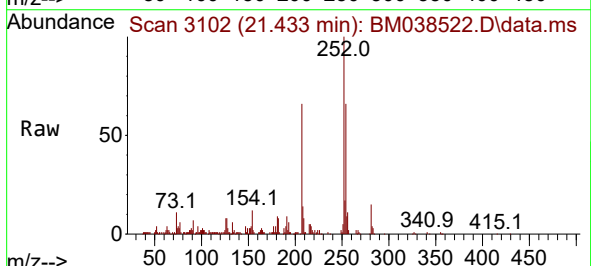
Tgt Ion:252 Resp: 79552

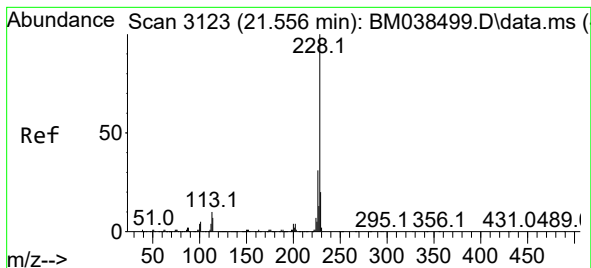
Ion Ratio Lower Upper

252 100

254 65.8 51.9 77.9

126 8.1 7.7 11.5





#83

Chrysene

Concen: 8.784 ng

RT: 21.551 min Scan# 31

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

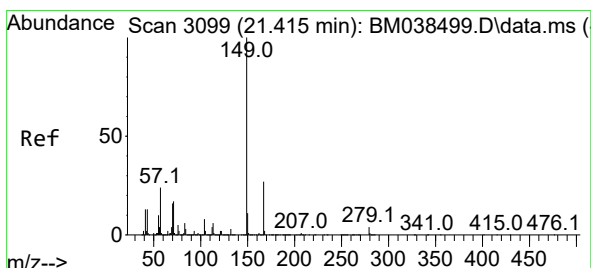
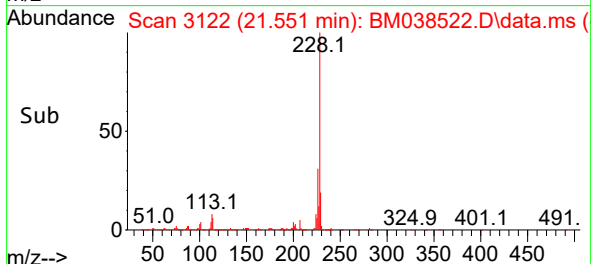
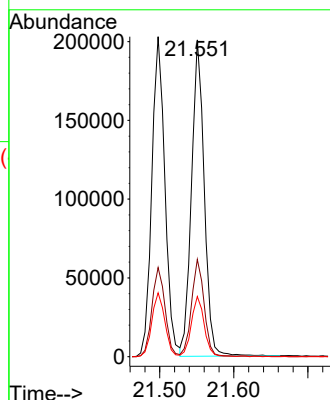
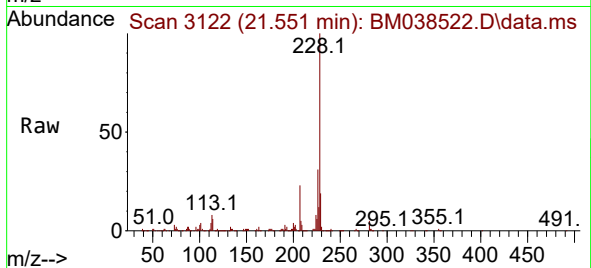
Tgt Ion:228 Resp: 240358

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 19.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.467 ng

RT: 21.410 min Scan# 3098

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

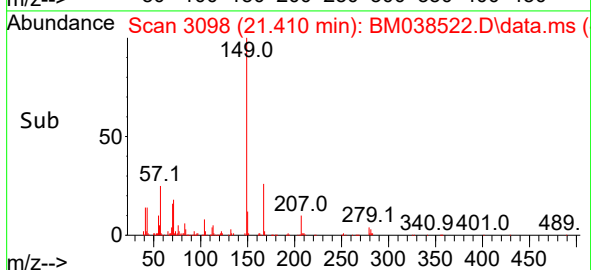
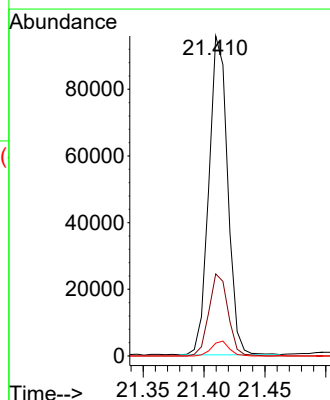
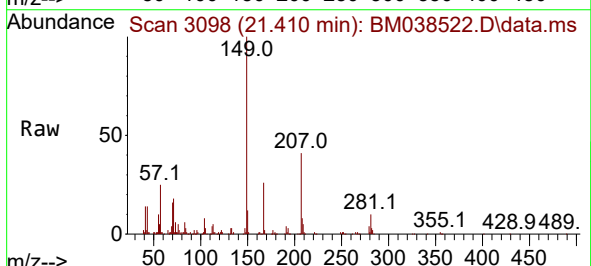
Tgt Ion:149 Resp: 102892

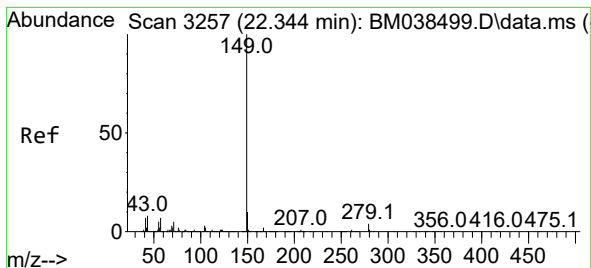
Ion Ratio Lower Upper

149 100

167 25.7 21.3 31.9

279 4.0 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 7.482 ng

RT: 22.339 min Scan# 31

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

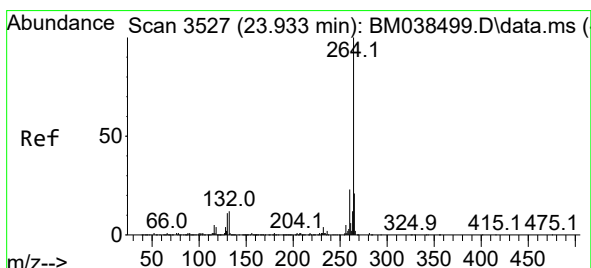
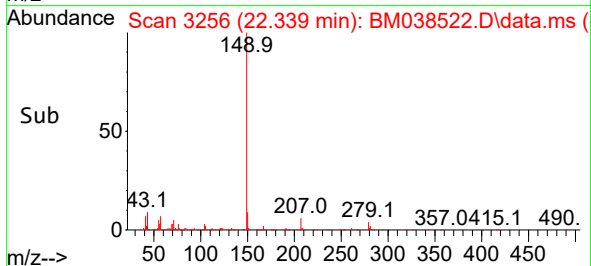
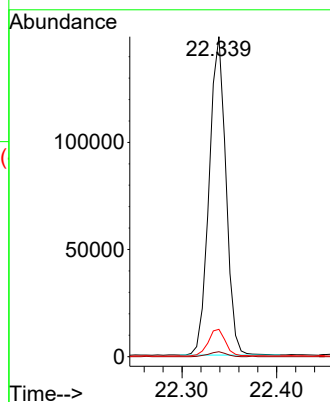
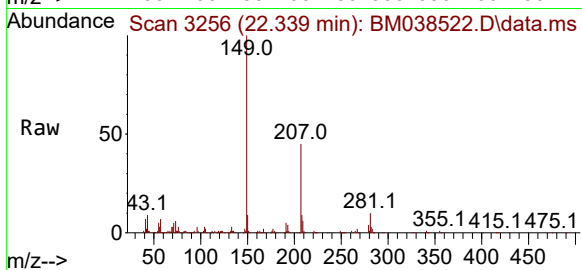
Tgt Ion:149 Resp: 183304

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.0 6.7 10.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3526

Delta R.T. -0.005 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

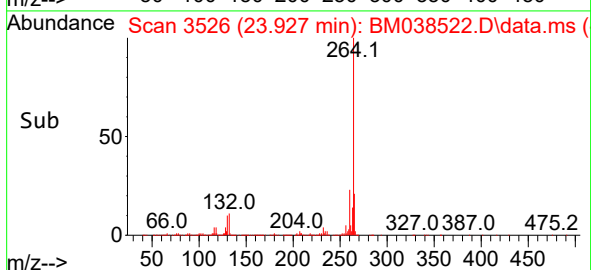
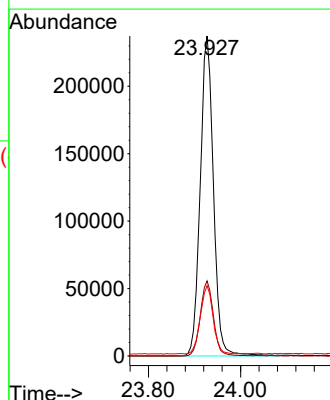
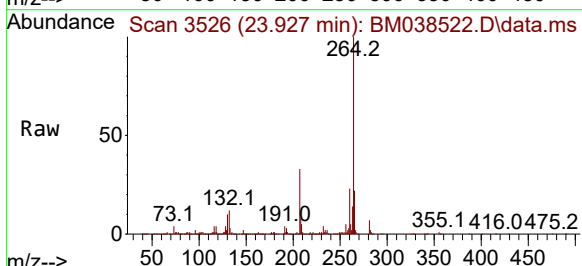
Tgt Ion:264 Resp: 474905

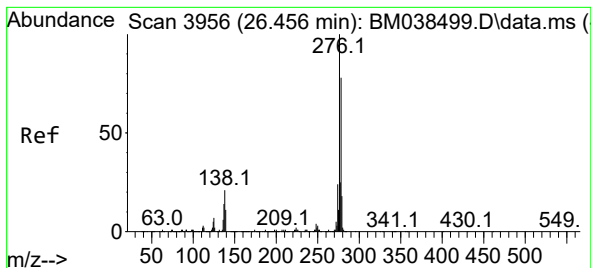
Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.0 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.849 ng

RT: 26.439 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

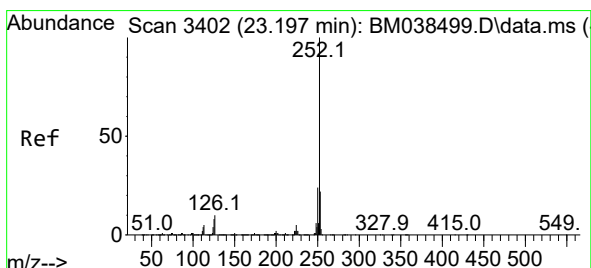
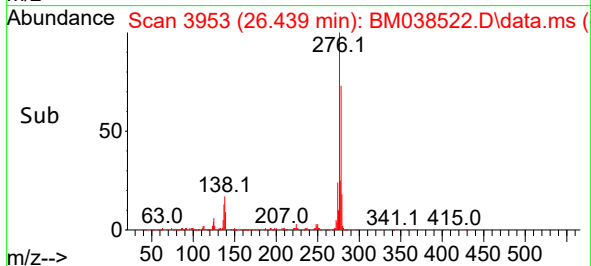
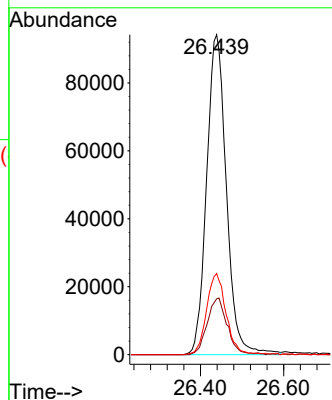
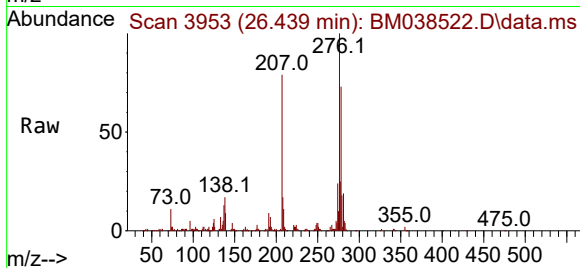
Tgt Ion:276 Resp: 310976

Ion Ratio Lower Upper

276 100

138 17.8 15.8 23.8

277 24.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 9.325 ng

RT: 23.186 min Scan# 3400

Delta R.T. -0.011 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

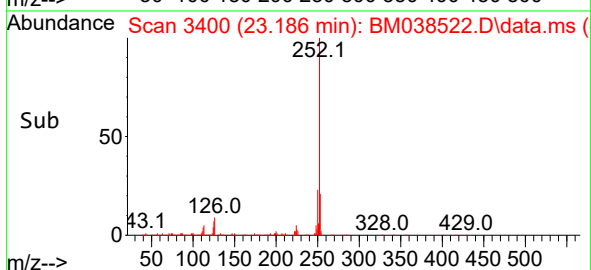
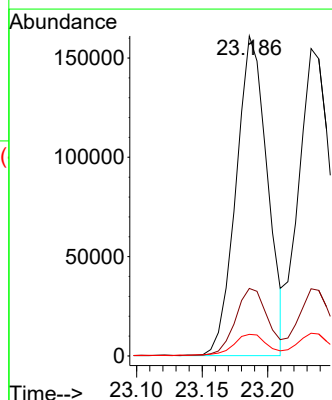
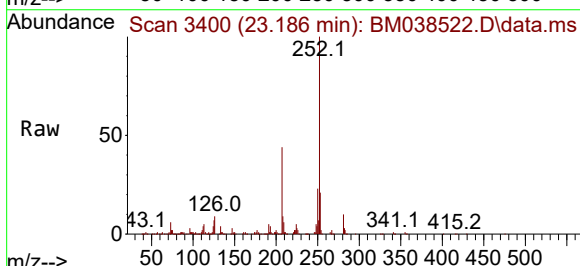
Tgt Ion:252 Resp: 267147

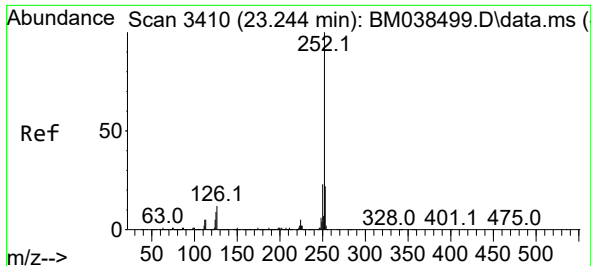
Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.0

125 6.7 6.4 9.6

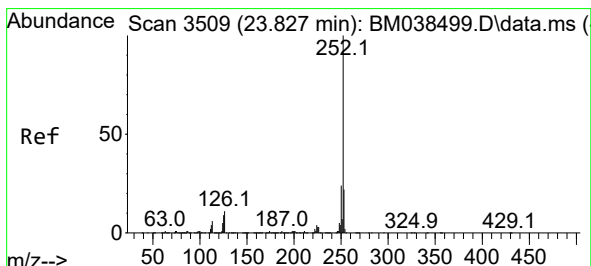
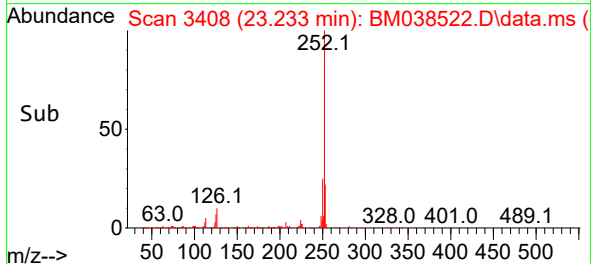
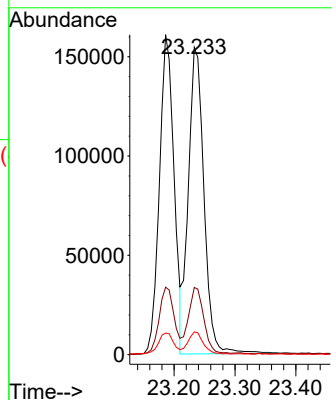
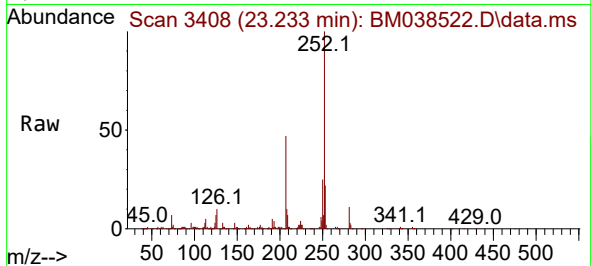




#89
Benzo(k)fluoranthene
Concen: 9.267 ng
RT: 23.233 min Scan# 3410
Delta R.T. -0.011 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

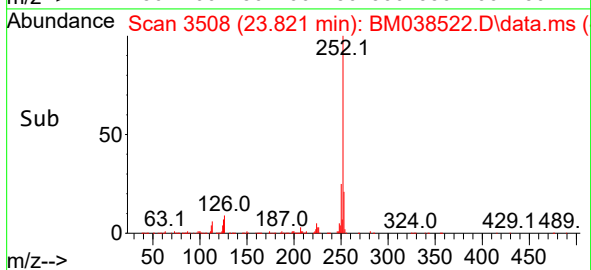
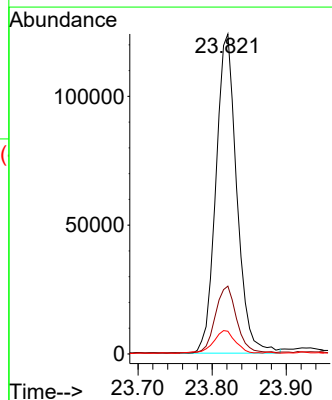
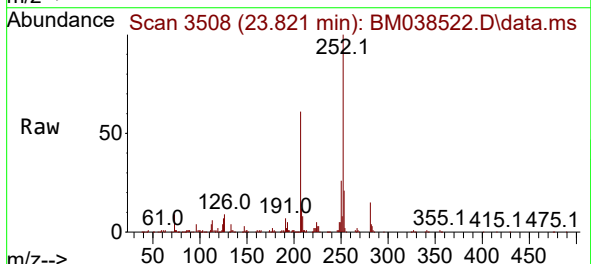
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

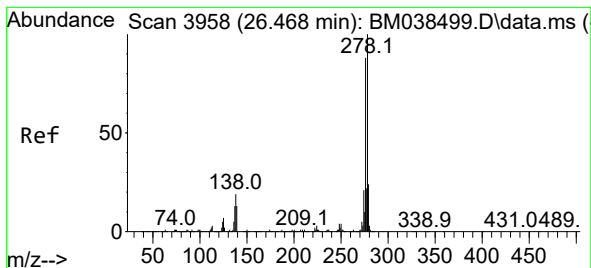
Tgt Ion:252 Resp: 274702
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 7.4 6.8 10.2



#90
Benzo(a)pyrene
Concen: 8.543 ng
RT: 23.821 min Scan# 3508
Delta R.T. -0.005 min
Lab File: BM038522.D
Acq: 24 Jan 2023 12:30

Tgt Ion:252 Resp: 242641
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 7.1 7.3 10.9#





#91

Dibenzo(a,h)anthracene

Concen: 9.254 ng

RT: 26.450 min Scan# 3955

Delta R.T. -0.017 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

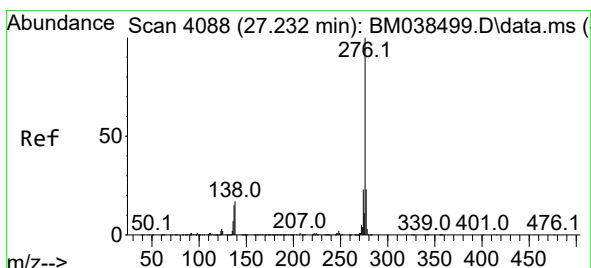
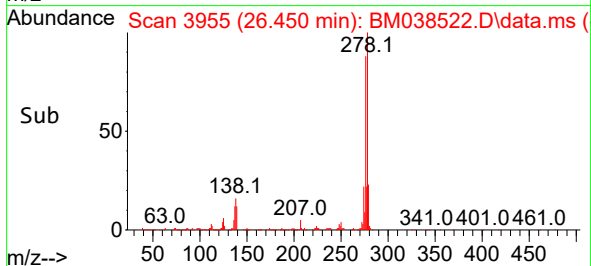
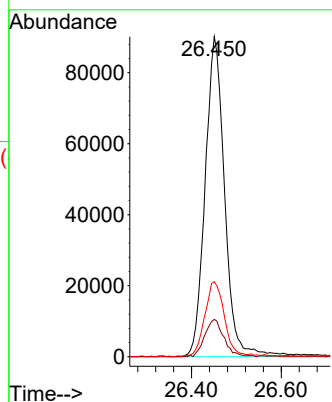
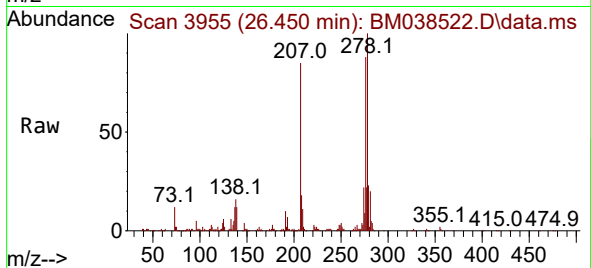
Tgt Ion:278 Resp: 270697

Ion Ratio Lower Upper

278 100

139 11.7 10.3 15.5

279 23.4 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 9.267 ng

RT: 27.209 min Scan# 4084

Delta R.T. -0.023 min

Lab File: BM038522.D

Acq: 24 Jan 2023 12:30

Tgt Ion:276 Resp: 277657

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 15.6 13.8 20.8

