

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM043985.D
 Acq On : 06 Feb 2024 10:45
 Operator : MA/JU
 Sample : 03572-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Quant Time: Feb 07 03:04:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	291739	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	1291030	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	803591	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1759174	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1772110	20.000	ng	0.00
86) Perylene-d12	23.921	264	2063649	20.000	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	2208017	111.766	ng	0.00
7) Phenol-d6	7.087	99	2958965	101.372	ng	0.00
23) Nitrobenzene-d5	9.092	82	2443754	91.246	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1057775	107.984	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	5401332	92.358	ng	0.00
79) Terphenyl-d14	19.956	244	9102832	99.160	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.399	88	44479	5.826	ng	97
3) Pyridine	3.799	79	102631	4.417	ng	# 94
4) n-Nitrosodimethylamine	3.722	42	48873	4.893	ng	# 95
6) Aniline	7.251	93	155935	5.369	ng	100
8) 2-Chlorophenol	7.481	128	97238	4.433	ng	98
9) Benzaldehyde	7.069	77	105627	3.490	ng	98
10) Phenol	7.110	94	139437	4.804	ng	94
11) bis(2-Chloroethyl)ether	7.357	93	112053	4.926	ng	99
12) 1,3-Dichlorobenzene	7.804	146	116012	4.899	ng	99
13) 1,4-Dichlorobenzene	7.957	146	118636	4.954	ng	97
14) 1,2-Dichlorobenzene	8.269	146	115601	4.894	ng	96
15) Benzyl Alcohol	8.169	79	93197	4.658	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.457	45	152987	5.015	ng	99
17) 2-Methylphenol	8.369	107	81570	4.397	ng	99
18) Hexachloroethane	8.992	117	42583	4.738	ng	97
19) n-Nitroso-di-n-propyla...	8.734	70	89705	4.670	ng	98
20) 3+4-Methylphenols	8.692	107	112759	4.306	ng	98
22) Acetophenone	8.751	105	179785	5.139	ng	97
24) Nitrobenzene	9.134	77	138310	5.147	ng	98
25) Isophorone	9.657	82	229910	4.611	ng	99
26) 2-Nitrophenol	9.839	139	43952	4.047	ng	96
27) 2,4-Dimethylphenol	9.904	122	77169	5.175	ng	98
28) bis(2-Chloroethoxy)met...	10.151	93	154721	5.082	ng	99
29) 2,4-Dichlorophenol	10.369	162	83937	4.413	ng	97
30) 1,2,4-Trichlorobenzene	10.586	180	105896	4.929	ng	99
31) Naphthalene	10.775	128	356061	4.948	ng	99
32) Benzoic acid	9.963	122	38039	8.680	ng	# 85
33) 4-Chloroaniline	10.892	127	147030	4.971	ng	98
34) Hexachlorobutadiene	11.051	225	58253	4.972	ng	94
35) Caprolactam	11.663	113	28674	3.676	ng	94
36) 4-Chloro-3-methylphenol	12.016	107	97256	4.176	ng	97
37) 2-Methylnaphthalene	12.386	142	237026	4.723	ng	99
38) 1-Methylnaphthalene	12.604	142	234685	4.685	ng	98
40) 1,2,4,5-Tetrachloroben...	12.751	216	118386	5.194	ng	99
41) Hexachlorocyclopentadiene	12.722	237	46277	6.174	ng	97
43) 2,4,6-Trichlorophenol	12.998	196	63208	4.104	ng	95

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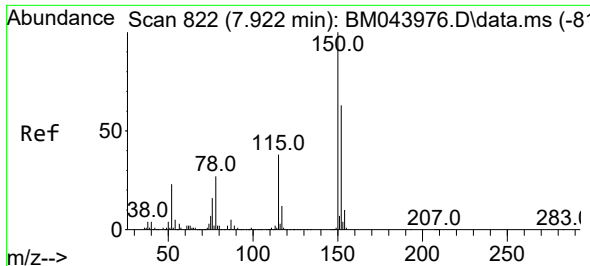
Quant Time: Feb 07 03:04:00 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	72696	4.137	ng	96
46) 1,1'-Biphenyl	13.404	154	323935	5.126	ng	100
47) 2-Chloronaphthalene	13.439	162	247335	4.908	ng	99
48) 2-Nitroaniline	13.651	65	67760	4.134	ng	95
49) Acenaphthylene	14.286	152	396591	5.148	ng	99
50) Dimethylphthalate	14.033	163	304768	4.883	ng	99
51) 2,6-Dinitrotoluene	14.151	165	58265	4.247	ng	93
52) Acenaphthene	14.627	154	235826	4.829	ng	99
53) 3-Nitroaniline	14.480	138	67182	4.218	ng	97
54) 2,4-Dinitrophenol	14.680	184	18228	9.363	ng	96
55) Dibenzofuran	14.963	168	388621	5.113	ng	98
56) 4-Nitrophenol	14.780	139	53230	3.824	ng	97
57) 2,4-Dinitrotoluene	14.933	165	71470	3.742	ng	94
58) Fluorene	15.616	166	310646	4.840	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.186	232	65638	4.333	ng	98
60) Diethylphthalate	15.398	149	303920	4.703	ng	98
61) 4-Chlorophenyl-phenyle...	15.616	204	147993	4.942	ng	98
62) 4-Nitroaniline	15.639	138	66875	3.840	ng	96
63) Azobenzene	15.910	77	304149	4.713	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	28805	8.508	ng	91
66) n-Nitrosodiphenylamine	15.833	169	255273	4.871	ng	99
67) 4-Bromophenyl-phenylether	16.510	248	84384	4.869	ng	97
68) Hexachlorobenzene	16.610	284	102124	4.942	ng	97
69) Atrazine	16.786	200	81120	5.596	ng	96
70) Pentachlorophenol	16.957	266	45987	3.389	ng	96
71) Phenanthrene	17.357	178	504027	5.144	ng	99
72) Anthracene	17.451	178	474999	4.952	ng	100
73) Carbazole	17.727	167	458693	4.617	ng	99
74) Di-n-butylphthalate	18.304	149	467700	4.293	ng	99
75) Fluoranthene	19.380	202	553811	4.570	ng	99
77) Benzidine	19.574	184	202818	9.021	ng	99
78) Pyrene	19.739	202	593249	4.870	ng	99
80) Butylbenzylphthalate	20.662	149	196034	4.064	ng	96
81) Benzo(a)anthracene	21.498	228	625135	5.028	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	190390	4.789	ng	99
83) Chrysene	21.550	228	590006	4.953	ng	97
84) Bis(2-ethylhexyl)phtha...	21.450	149	299801	4.179	ng	100
85) Di-n-octyl phthalate	22.392	149	485971	3.933	ng	99
87) Indeno(1,2,3-cd)pyrene	26.421	276	688401	4.458	ng	99
88) Benzo(b)fluoranthene	23.192	252	622770	4.798	ng	98
89) Benzo(k)fluoranthene	23.239	252	587239	4.715	ng	100
90) Benzo(a)pyrene	23.815	252	522566	4.554	ng	99
91) Dibenzo(a,h)anthracene	26.450	278	574695	4.513	ng	98
92) Benzo(g,h,i)perylene	27.185	276	559425	4.307	ng	99

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

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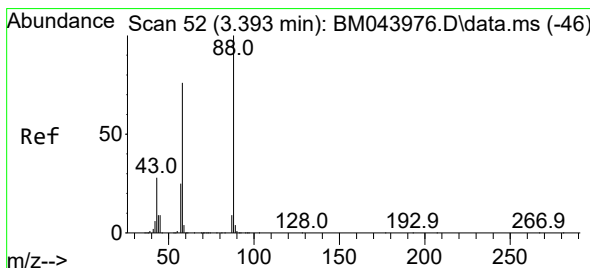
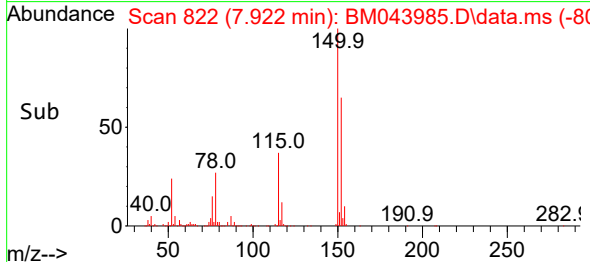
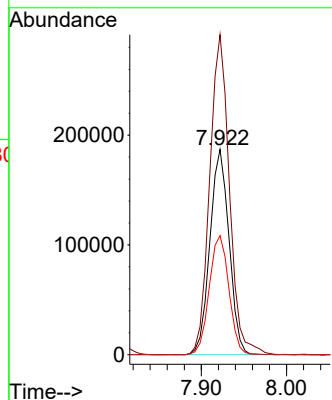
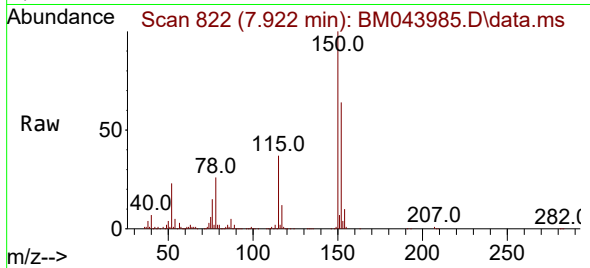




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

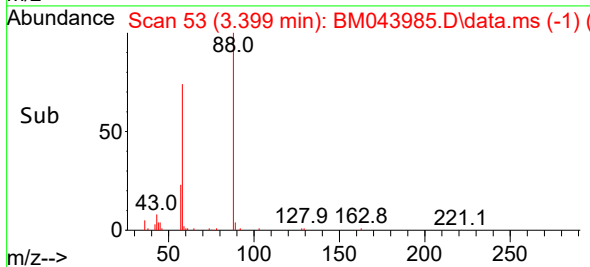
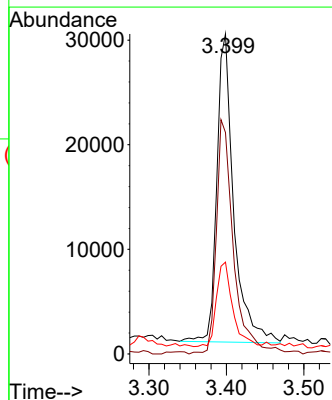
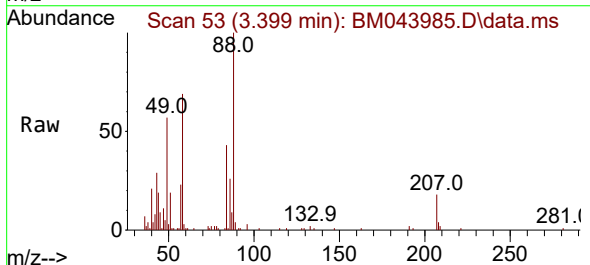
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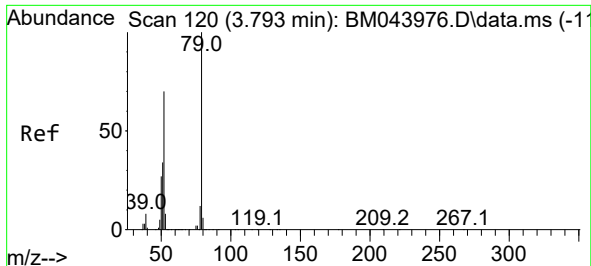
Tgt Ion:152 Resp: 291739
Ion Ratio Lower Upper
152 100
150 155.9 126.1 189.1
115 58.0 48.2 72.2



#2
1,4-Dioxane
Concen: 5.826 ng
RT: 3.399 min Scan# 53
Delta R.T. 0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 88 Resp: 44479
Ion Ratio Lower Upper
88 100
58 77.9 61.0 91.6
43 26.5 23.0 34.6

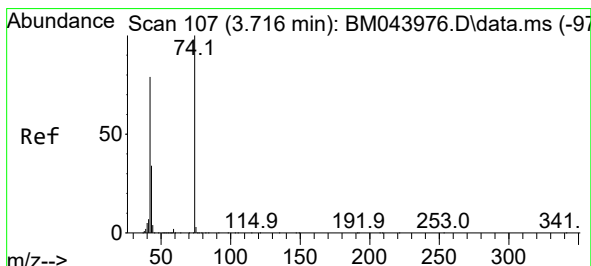
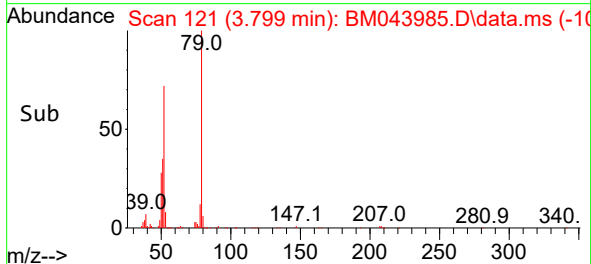
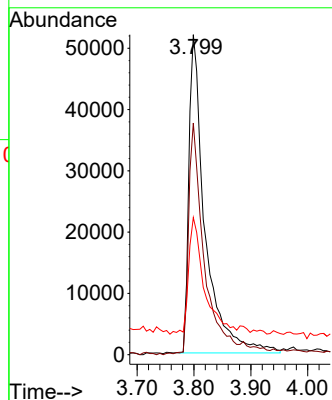
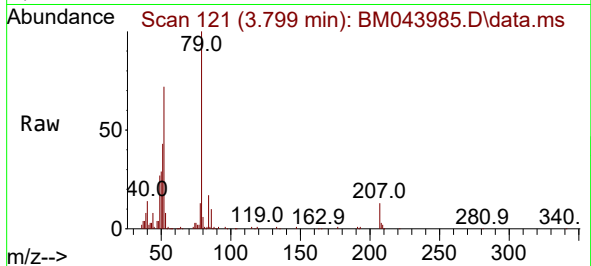




#3
Pyridine
Concen: 4.417 ng
RT: 3.799 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

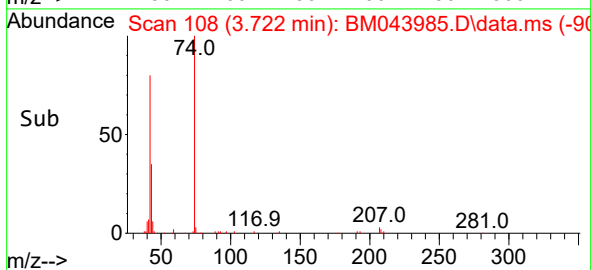
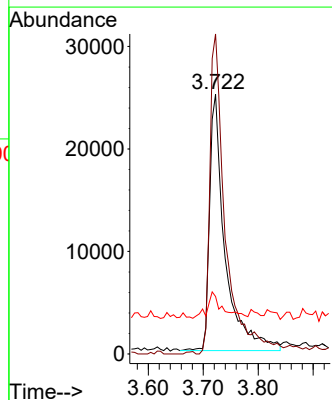
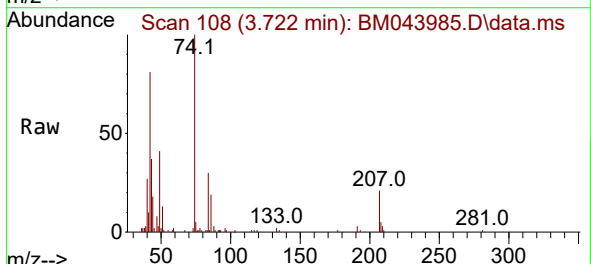
Instrument :
BNA_M
ClientSampleId :
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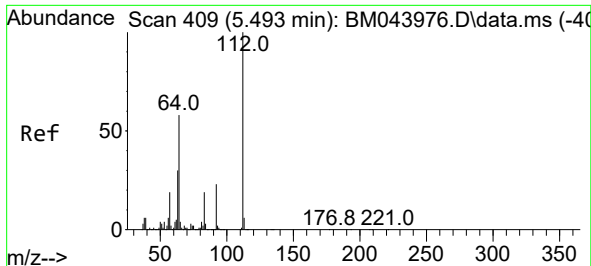
Tgt Ion: 79 Resp: 102631
Ion Ratio Lower Upper
79 100
52 72.4 55.9 83.9
51 42.9 28.2 42.2#



#4
n-Nitrosodimethylamine
Concen: 4.893 ng
RT: 3.722 min Scan# 108
Delta R.T. 0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 42 Resp: 48873
Ion Ratio Lower Upper
42 100
74 123.2 100.7 151.1
44 22.1 7.3 10.9#

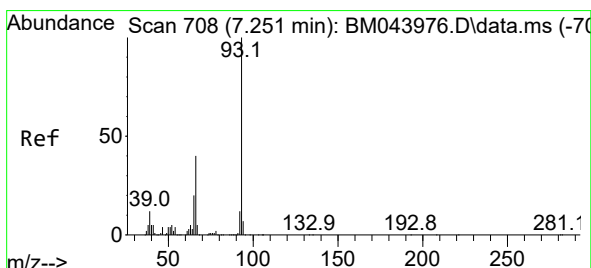
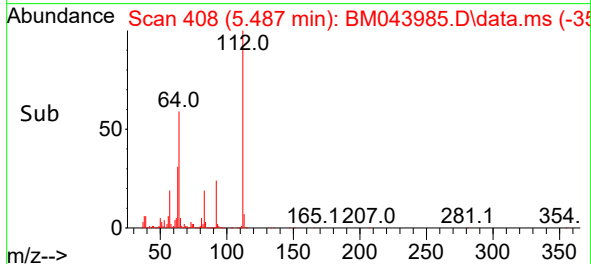
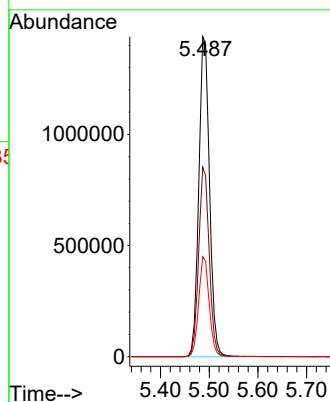
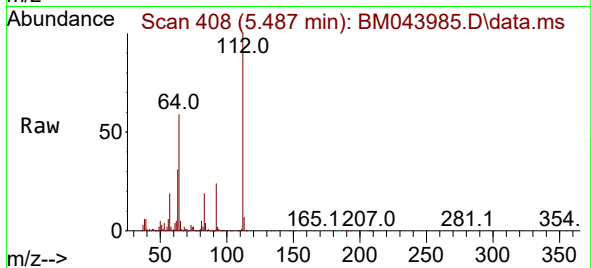




#5
2-Fluorophenol
Concen: 111.766 ng
RT: 5.487 min Scan# 409
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

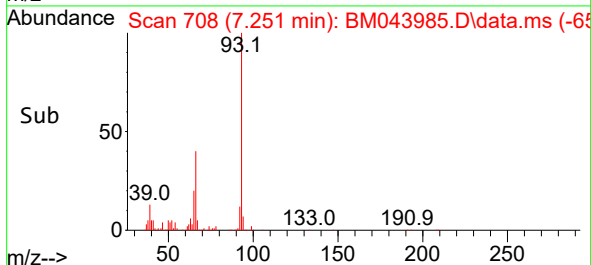
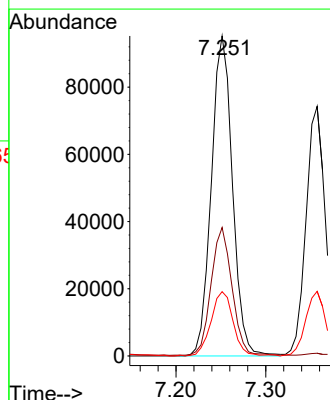
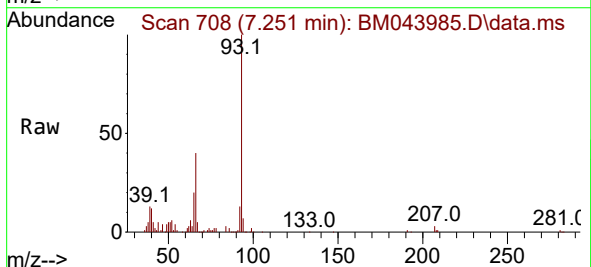
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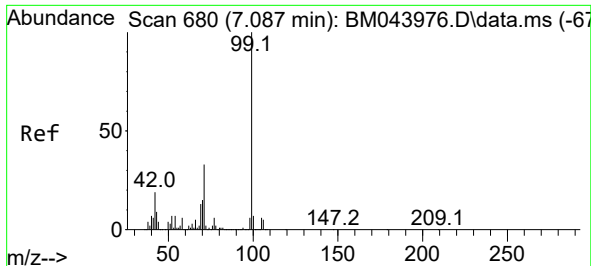
Tgt Ion:112 Resp: 2208017
Ion Ratio Lower Upper
112 100
64 59.2 46.6 70.0
63 31.3 24.2 36.4



#6
Aniline
Concen: 5.369 ng
RT: 7.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 93 Resp: 155935
Ion Ratio Lower Upper
93 100
66 40.2 32.2 48.2
65 20.1 15.8 23.8



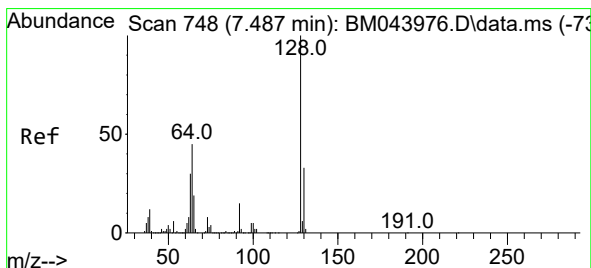
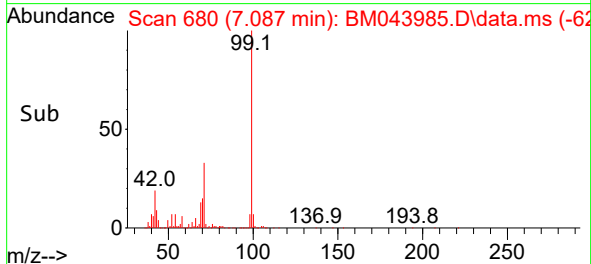
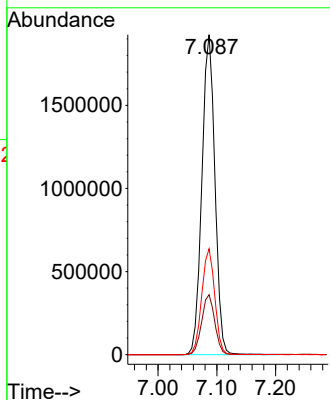
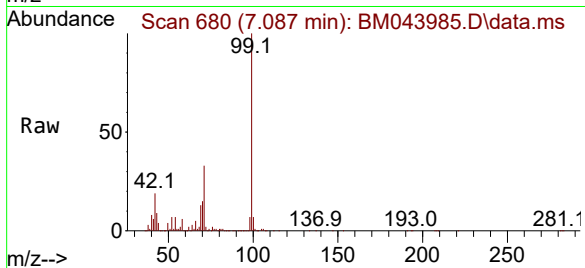


#7
Phenol-d6
Concen: 101.372 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion: 99 Resp: 2958965

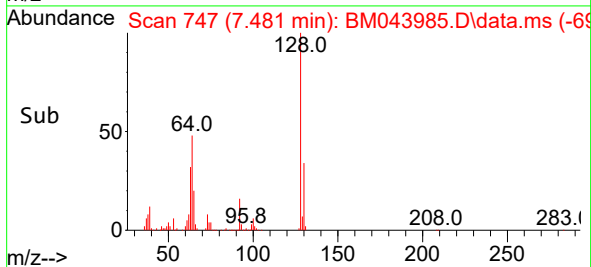
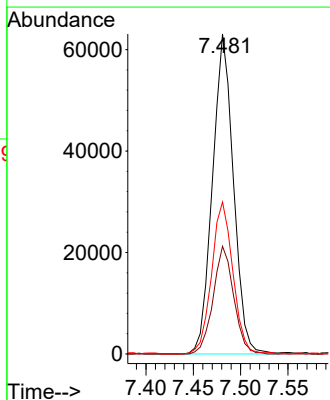
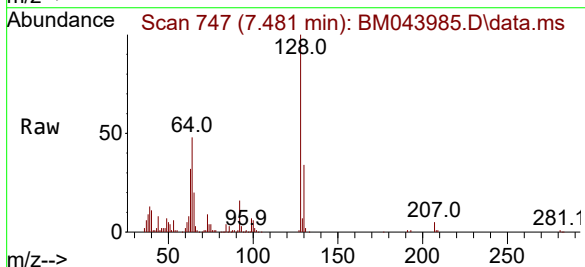
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.9	22.3
71	33.1	26.3	39.5

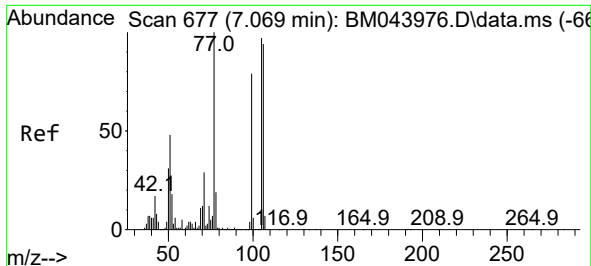


#8
2-Chlorophenol
Concen: 4.433 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:128 Resp: 97238

Ion	Ratio	Lower	Upper
128	100		
130	33.6	12.9	52.9
64	47.5	25.6	65.6

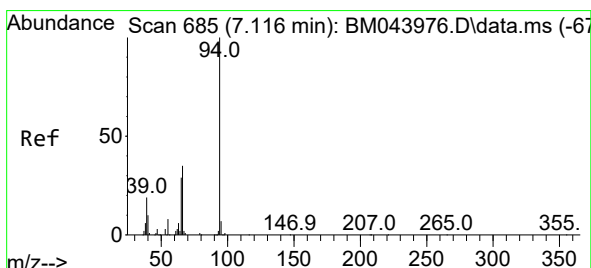
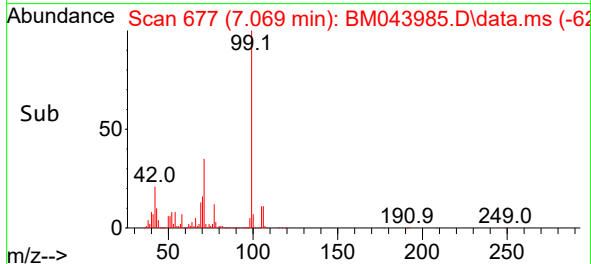
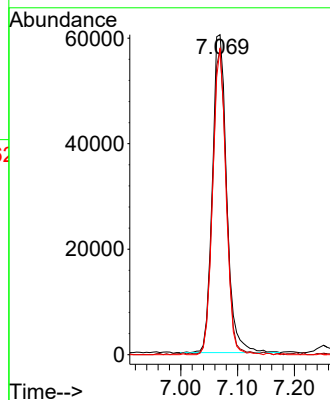
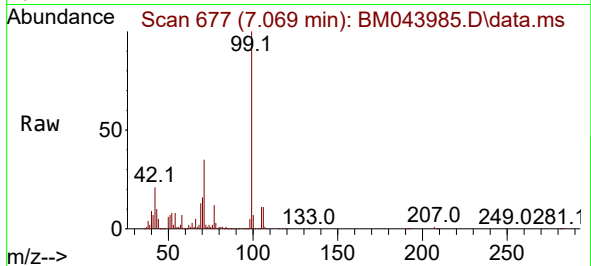




#9
Benzaldehyde
Concen: 3.490 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

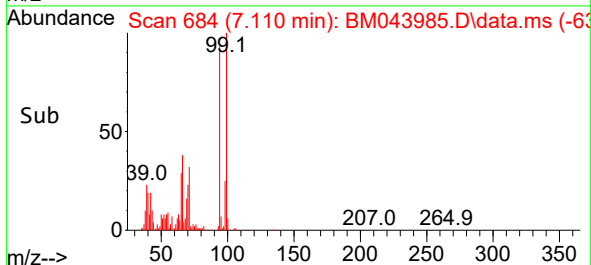
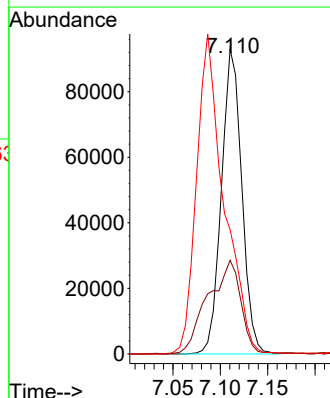
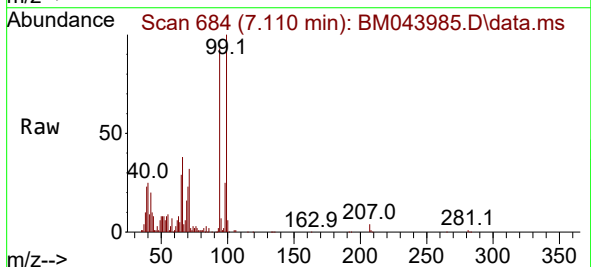
Instrument :
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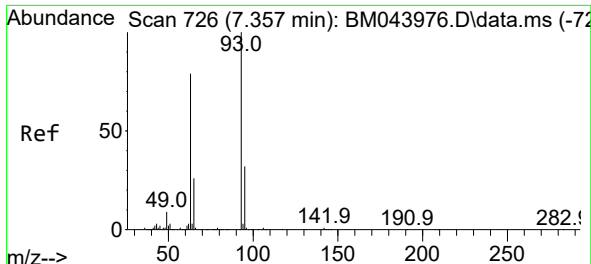
Tgt Ion: 77 Resp: 105627
Ion Ratio Lower Upper
77 100
105 95.5 77.4 117.4
106 95.8 73.5 113.5



#10
Phenol
Concen: 4.804 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 94 Resp: 139437
Ion Ratio Lower Upper
94 100
65 30.7 9.3 49.3
66 40.8 15.7 55.7

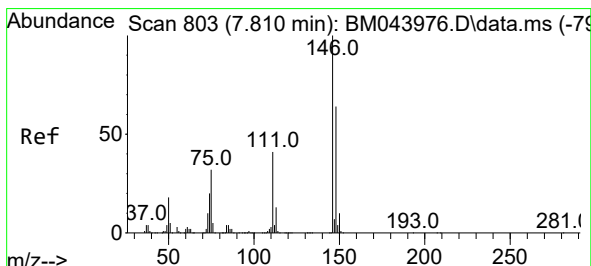
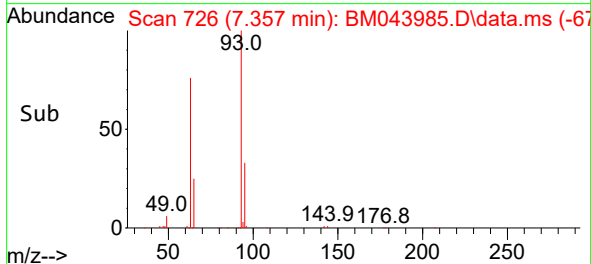
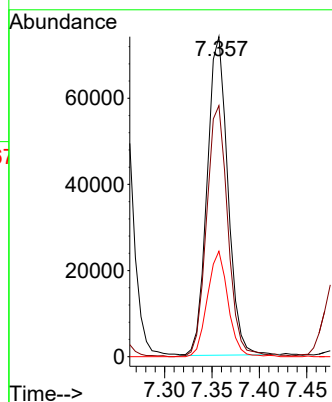
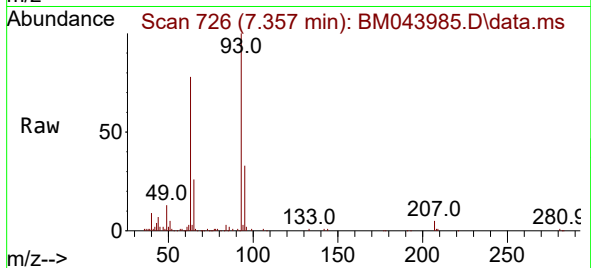




#11
bis(2-Chloroethyl)ether
Concen: 4.926 ng
RT: 7.357 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

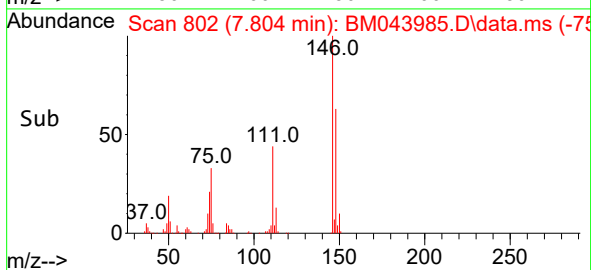
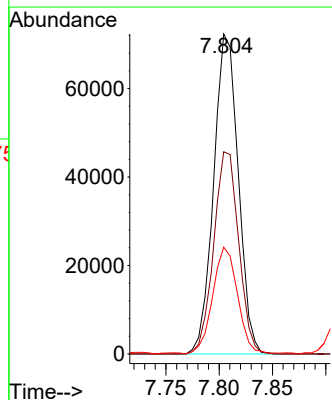
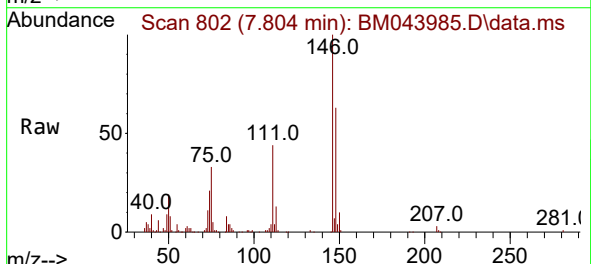
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

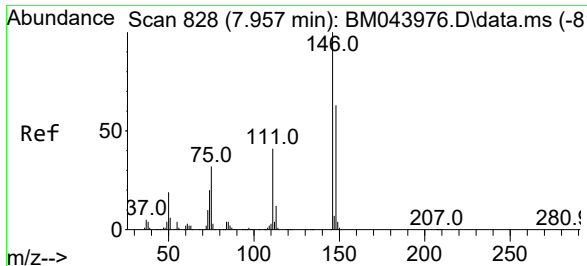
Tgt Ion: 93 Resp: 112053
Ion Ratio Lower Upper
93 100
63 78.5 59.0 99.0
95 32.9 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 4.899 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:146 Resp: 116012
Ion Ratio Lower Upper
146 100
148 63.2 51.0 76.6
75 33.3 26.1 39.1

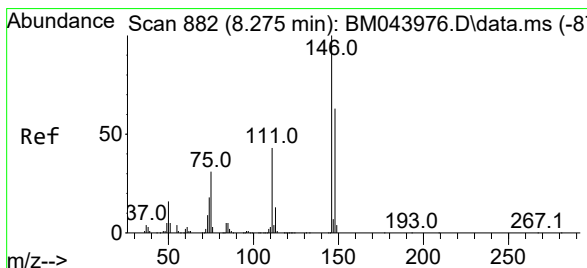
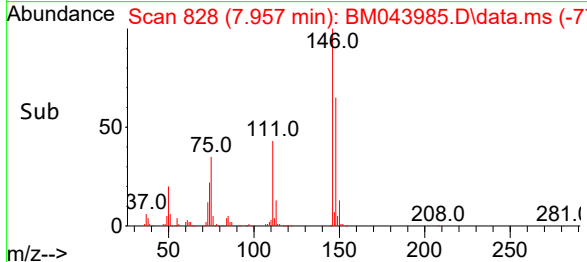
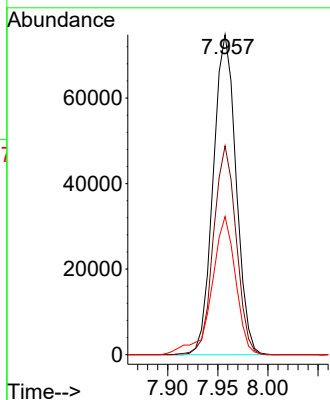
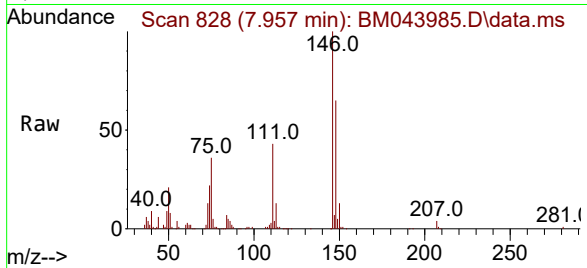




#13
1,4-Dichlorobenzene
Concen: 4.954 ng
RT: 7.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

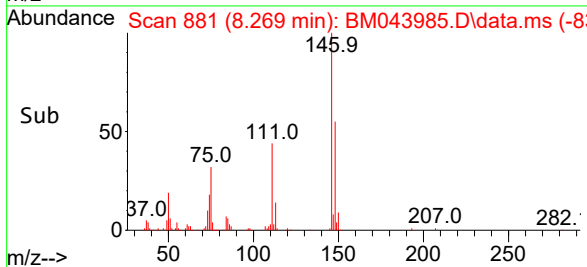
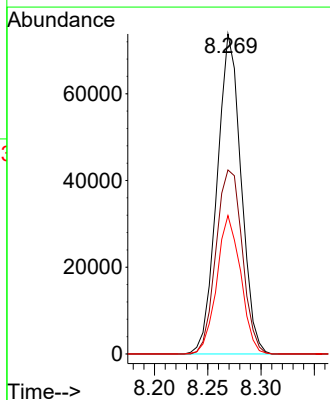
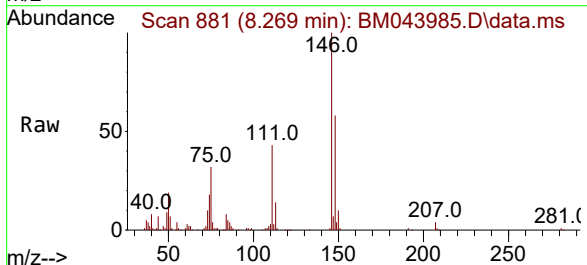
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

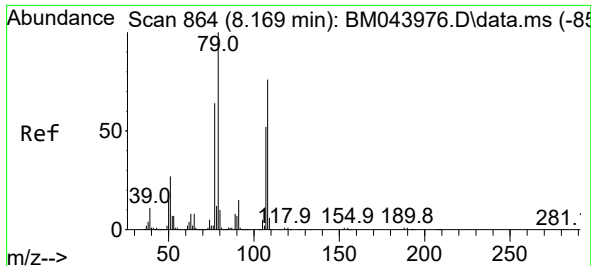
Tgt Ion:146 Resp: 118636
Ion Ratio Lower Upper
146 100
148 65.2 50.7 76.1
111 43.2 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 4.894 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:146 Resp: 115601
Ion Ratio Lower Upper
146 100
148 57.5 50.3 75.5
111 43.2 34.3 51.5

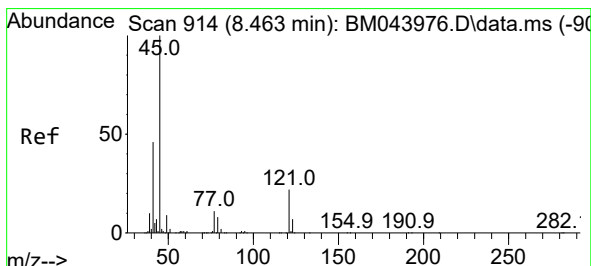
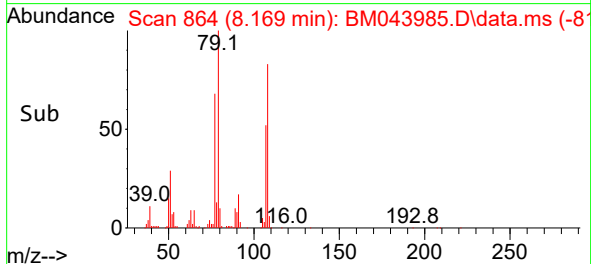
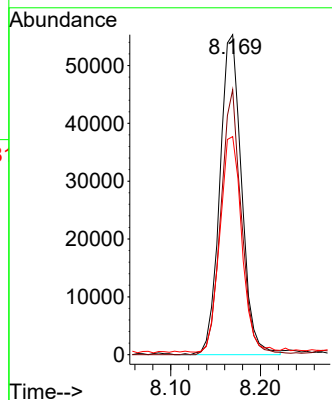
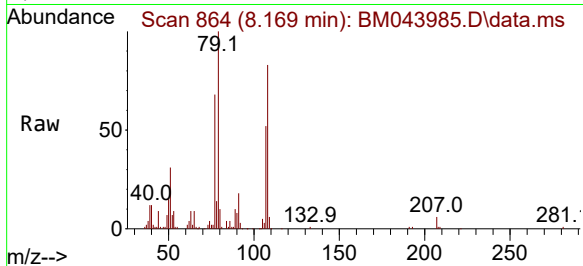




#15
Benzyl Alcohol
Concen: 4.658 ng
RT: 8.169 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

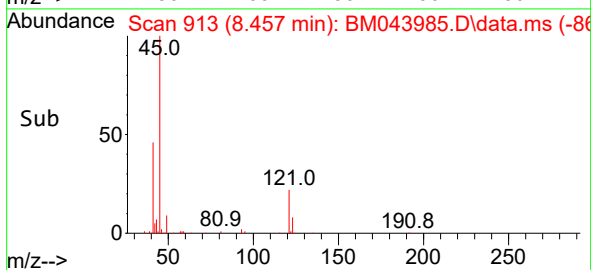
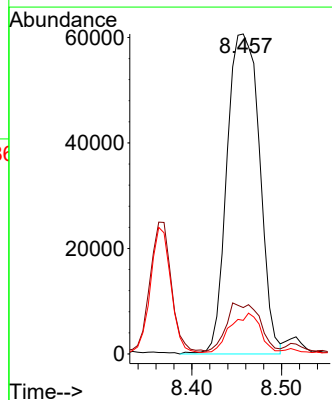
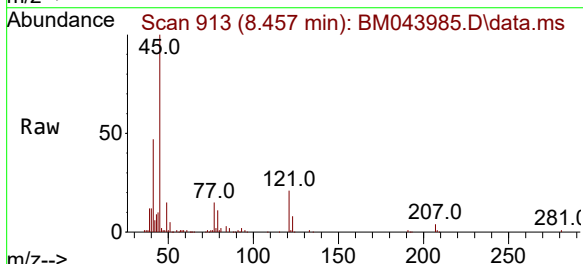
Instrument :
BNA_M
ClientSampleId :
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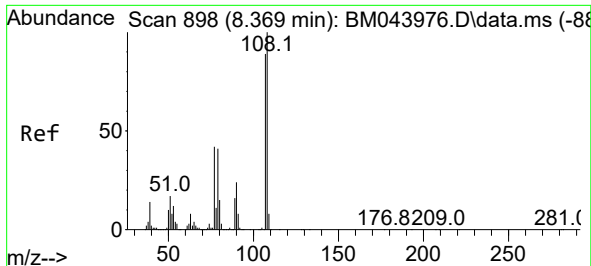
Tgt Ion: 79 Resp: 93197
Ion Ratio Lower Upper
79 100
108 82.8 60.7 91.1
77 68.2 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.015 ng
RT: 8.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 45 Resp: 152987
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.4
79 10.5 0.0 31.2

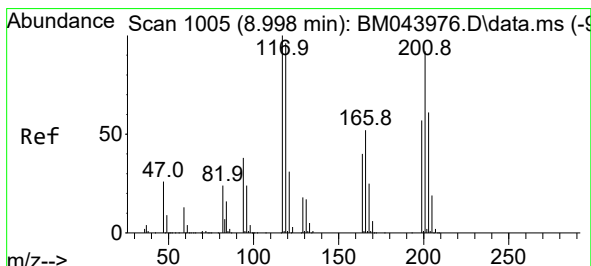
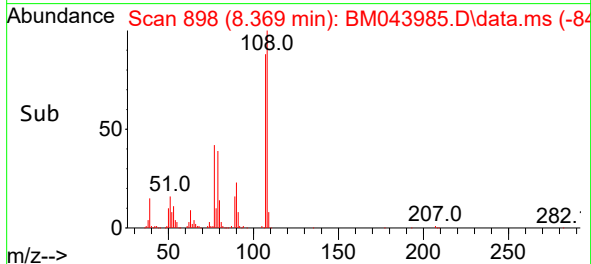
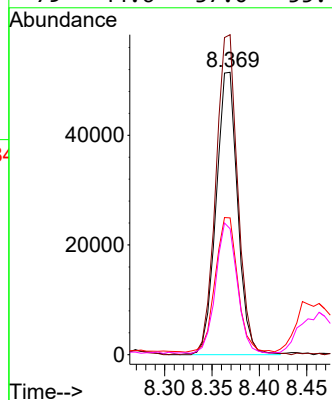
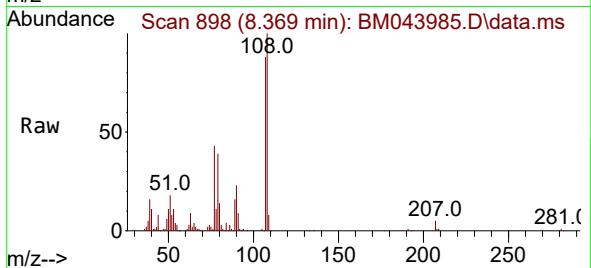




#17
2-Methylphenol
Concen: 4.397 ng
RT: 8.369 min Scan# 898
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

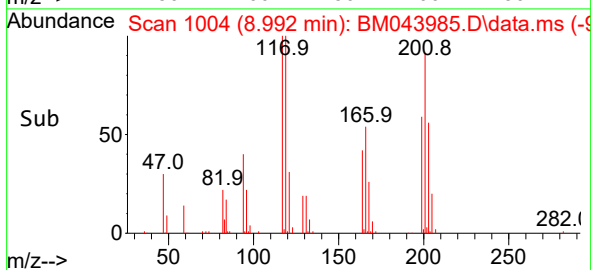
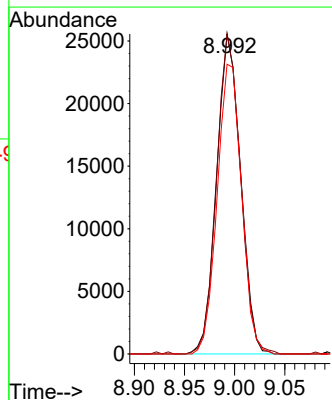
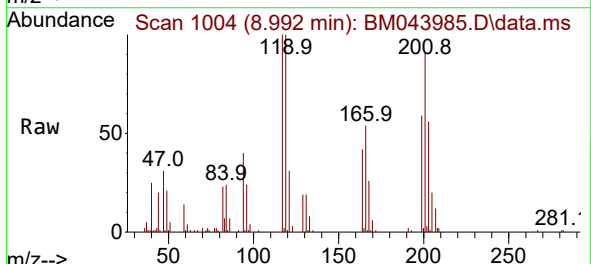
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

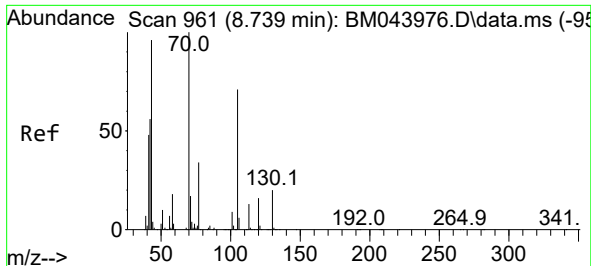
Tgt Ion:	107	Resp:	81570
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.4	135.6
77	48.5	38.0	57.0
79	44.6	37.0	55.4



#18
Hexachloroethane
Concen: 4.738 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:	117	Resp:	42583
Ion	Ratio	Lower	Upper
117	100		
119	100.0	76.7	115.1
201	90.6	73.4	110.2

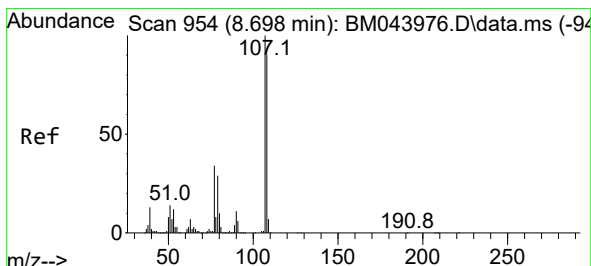
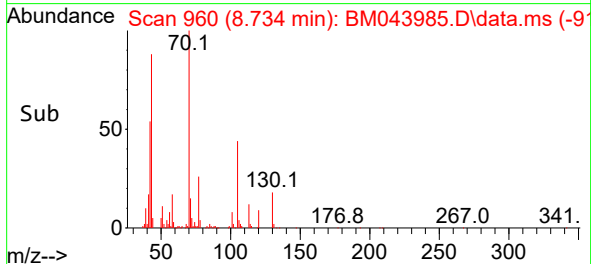
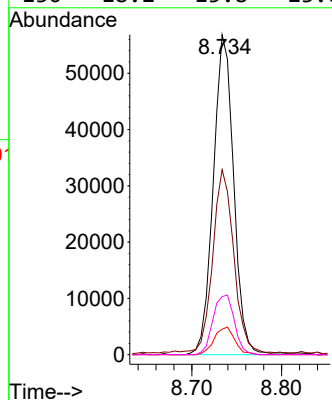
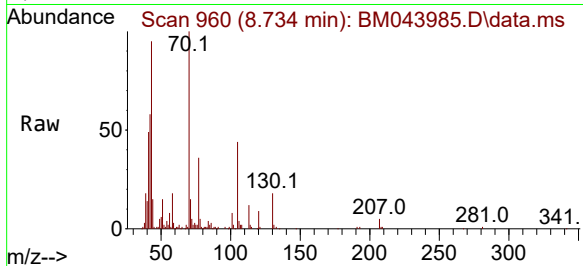




#19
n-Nitroso-di-n-propylamine
Concen: 4.670 ng
RT: 8.734 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

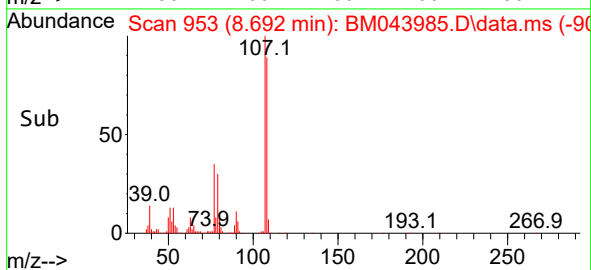
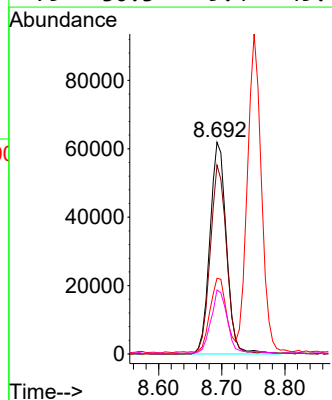
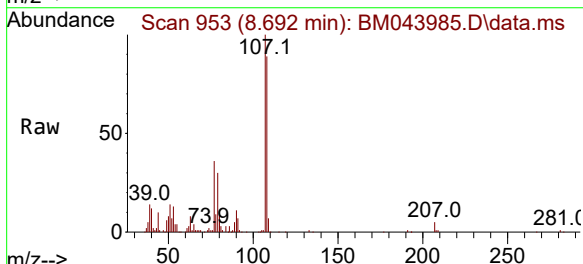
Instrument :
BNA_M
ClientSampleId :
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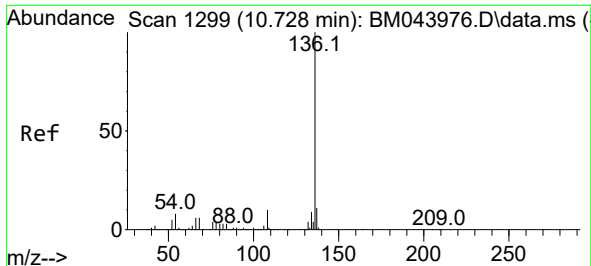
Tgt Ion: 70 Resp: 89705
Ion Ratio Lower Upper
70 100
42 57.8 45.6 68.4
101 8.0 7.5 11.3
130 18.2 15.8 23.6



#20
3+4-Methylphenols
Concen: 4.306 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 107 Resp: 112759
Ion Ratio Lower Upper
107 100
108 89.2 70.3 110.3
77 35.8 14.0 54.0
79 30.3 9.4 49.4

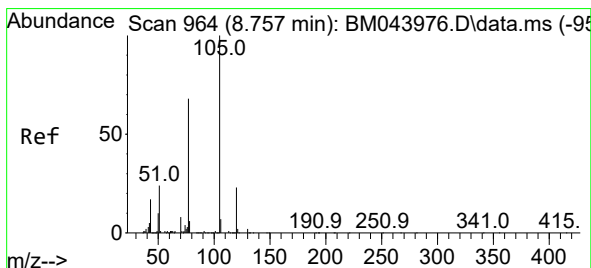
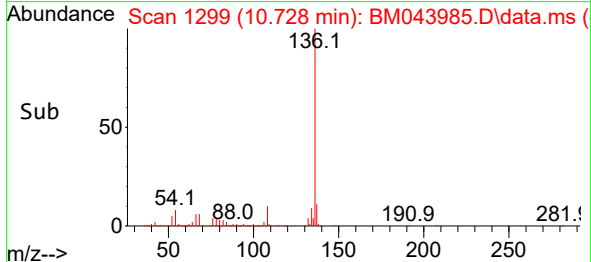
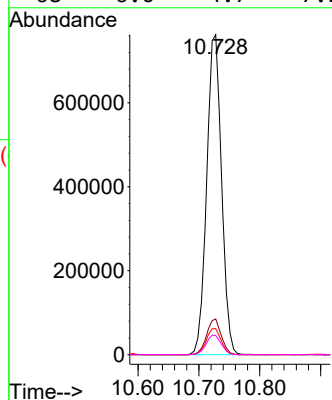
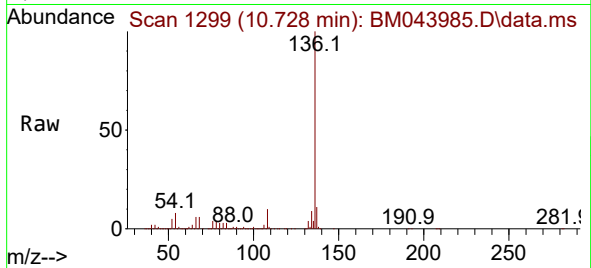




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

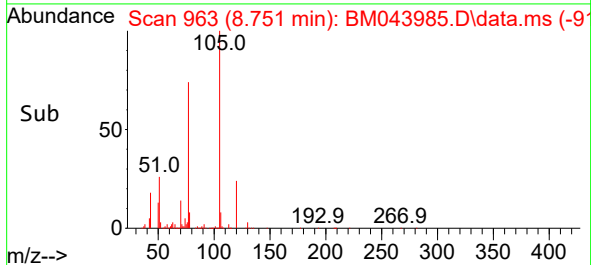
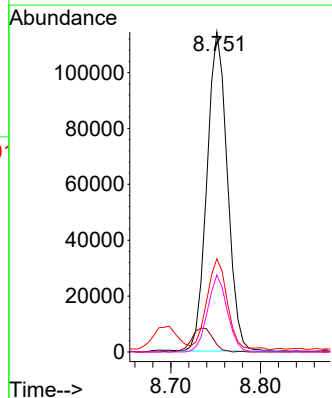
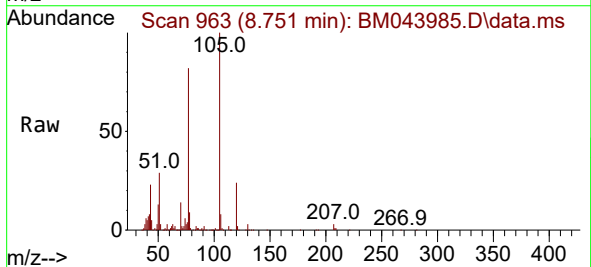
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

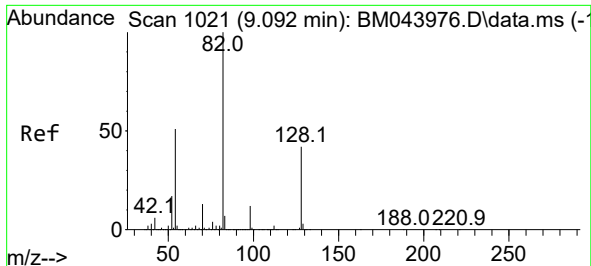
Tgt Ion:136 Resp: 1291030
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.1 6.5 9.7
68 6.0 4.7 7.1



#22
Acetophenone
Concen: 5.139 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:105 Resp: 179785
Ion Ratio Lower Upper
105 100
71 2.4 1.6 2.4
51 29.1 21.8 32.6
120 24.1 18.5 27.7

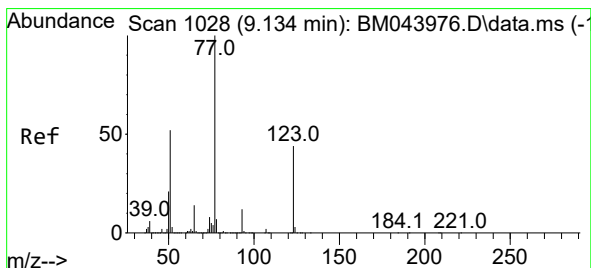
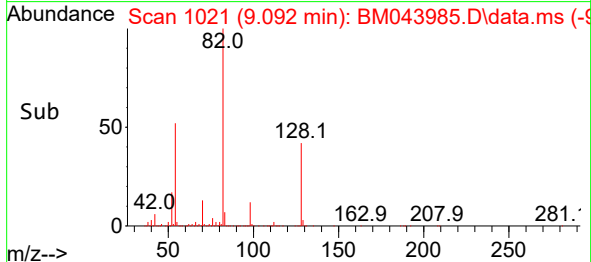
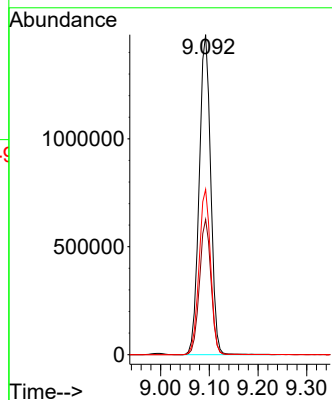
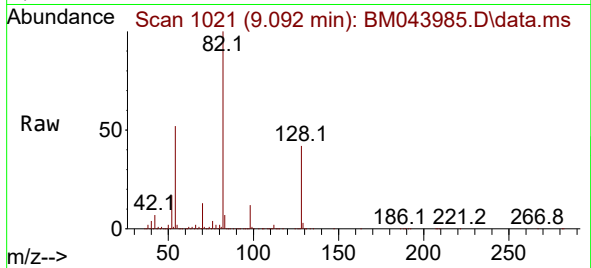




#23
Nitrobenzene-d5
Concen: 91.246 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

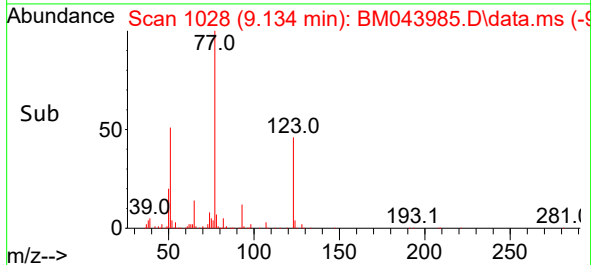
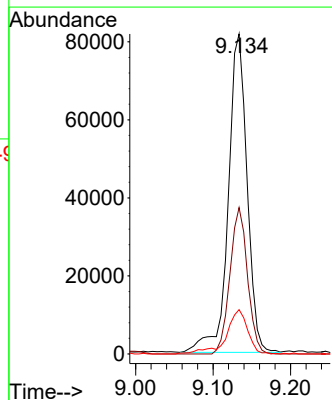
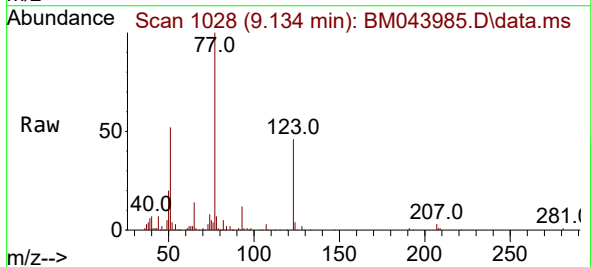
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

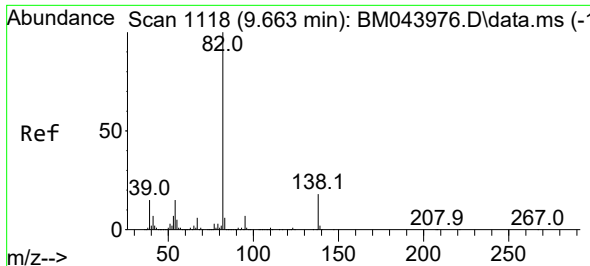
Tgt Ion: 82 Resp: 2443754
Ion Ratio Lower Upper
82 100
128 42.3 33.9 50.9
54 51.6 41.1 61.7



#24
Nitrobenzene
Concen: 5.147 ng
RT: 9.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 77 Resp: 138310
Ion Ratio Lower Upper
77 100
123 45.7 35.3 52.9
65 13.9 10.9 16.3

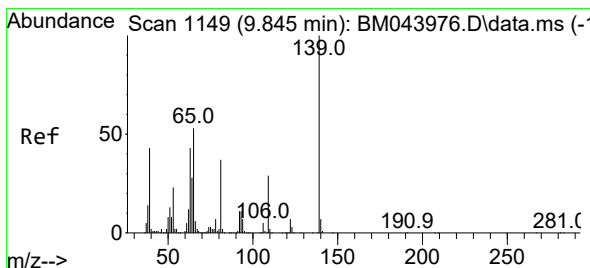
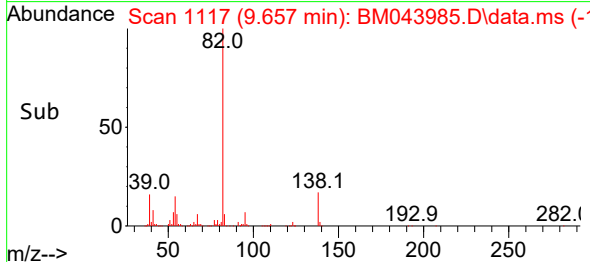
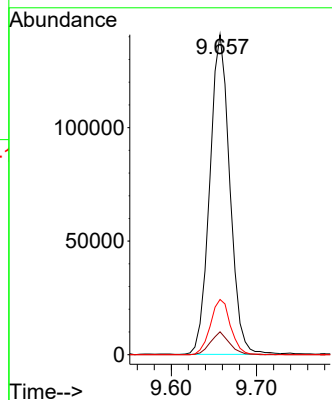
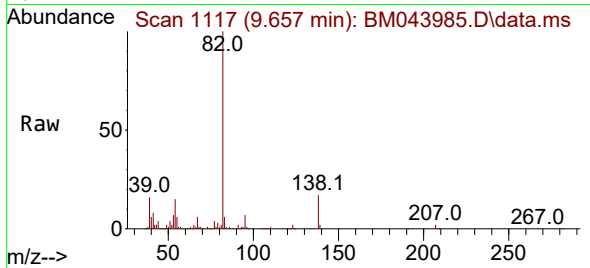




#25
Isophorone
Concen: 4.611 ng
RT: 9.657 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

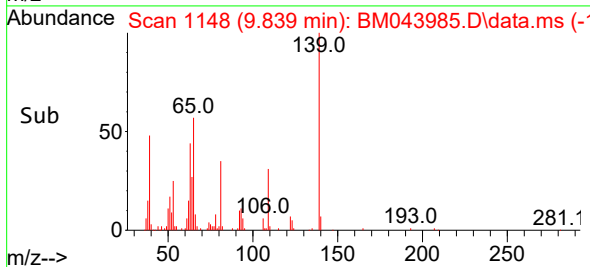
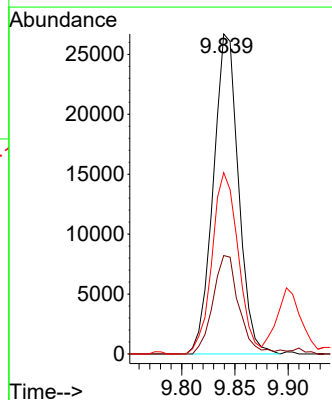
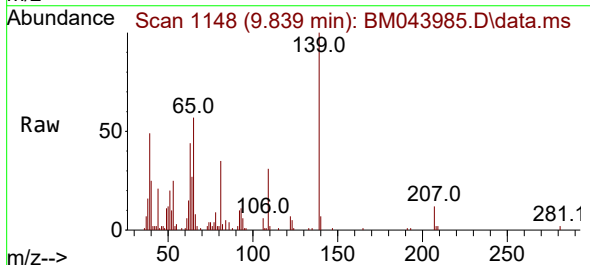
Instrument :
BNA_M
ClientSampleId :
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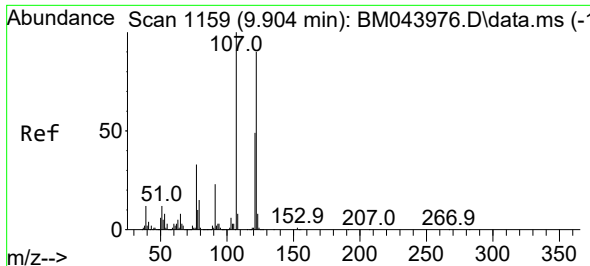
Tgt Ion: 82 Resp: 229910
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.3 14.2 21.2



#26
2-Nitrophenol
Concen: 4.047 ng
RT: 9.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 139 Resp: 43952
Ion Ratio Lower Upper
139 100
109 30.8 23.3 34.9
65 56.6 42.5 63.7

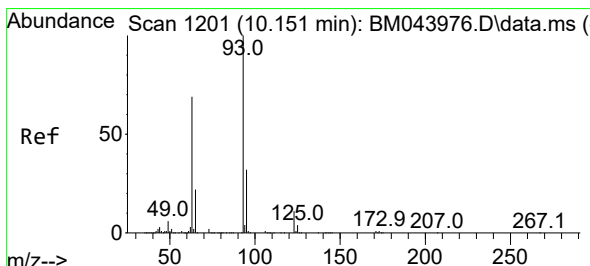
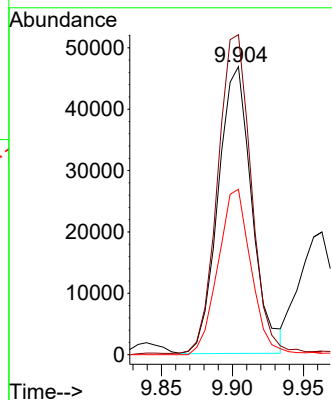
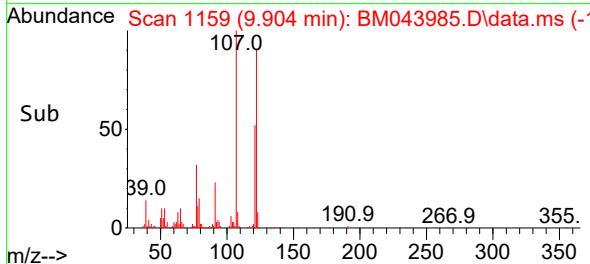
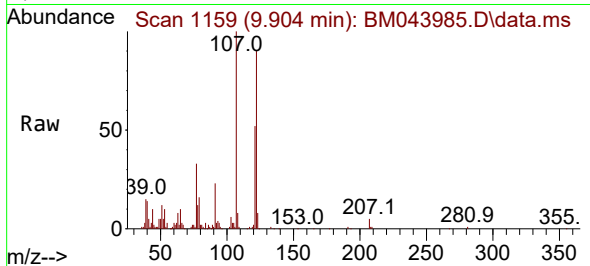




#27
2,4-Dimethylphenol
Concen: 5.175 ng
RT: 9.904 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

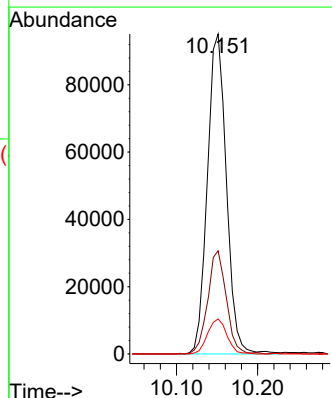
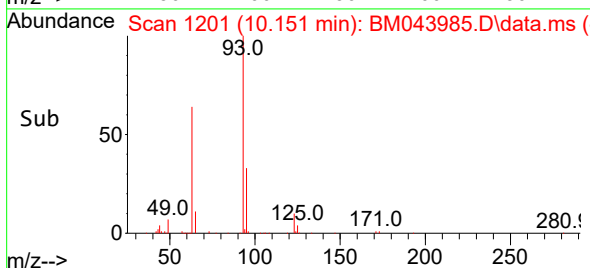
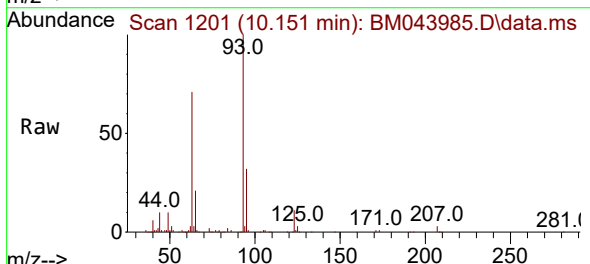
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

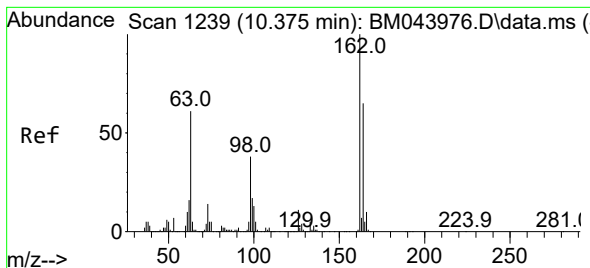
Tgt Ion:122 Resp: 77169
Ion Ratio Lower Upper
122 100
107 111.1 89.0 133.4
121 57.4 43.4 65.0



#28
bis(2-Chloroethoxy)methane
Concen: 5.082 ng
RT: 10.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 93 Resp: 154721
Ion Ratio Lower Upper
93 100
95 32.2 25.9 38.9
123 11.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 4.413 ng

RT: 10.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

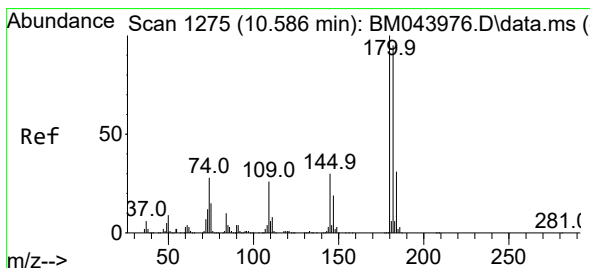
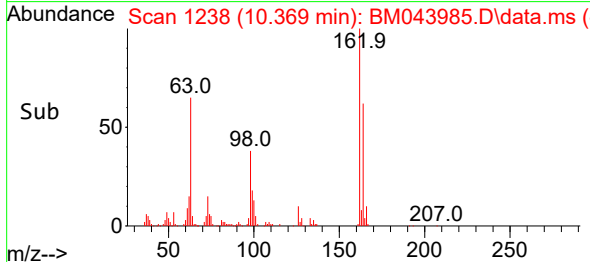
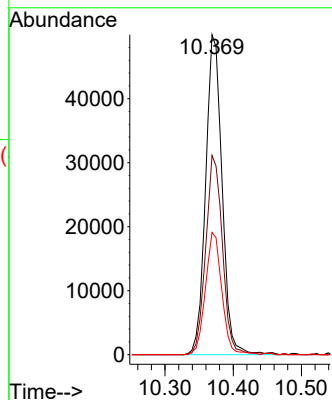
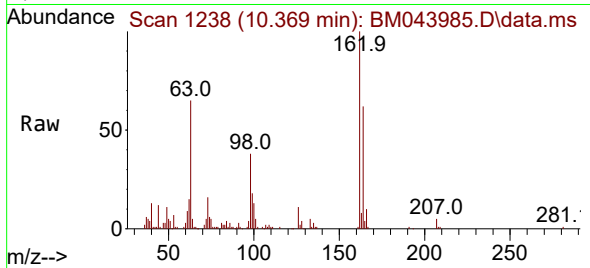
Tgt Ion:162 Resp: 83937

Ion Ratio Lower Upper

162 100

164 62.2 45.1 85.1

98 38.2 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 4.929 ng

RT: 10.586 min Scan# 1275

Delta R.T. 0.000 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

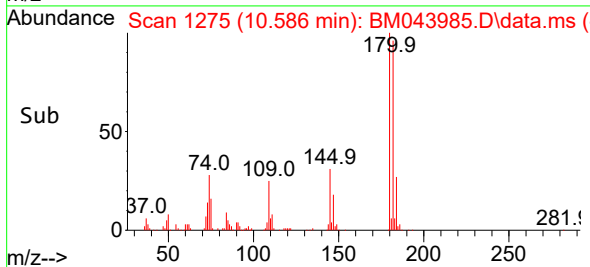
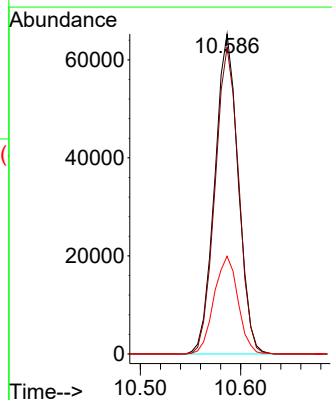
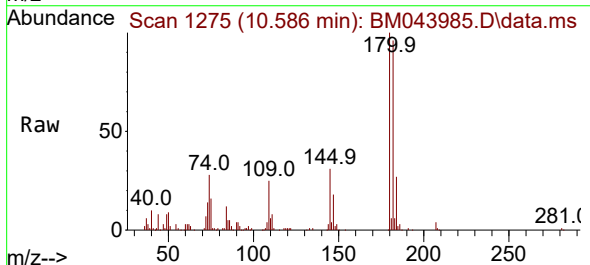
Tgt Ion:180 Resp: 105896

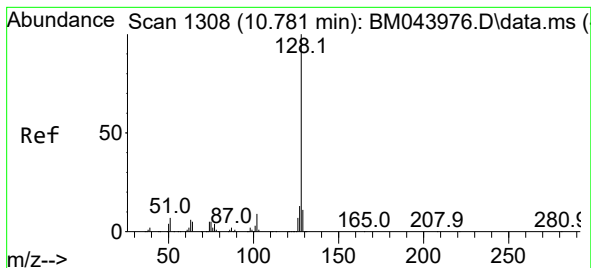
Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

145 30.5 24.2 36.2





#31

Naphthalene

Concen: 4.948 ng

RT: 10.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

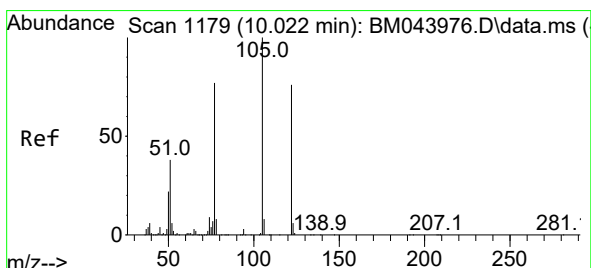
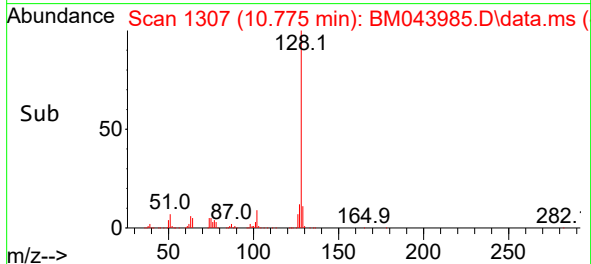
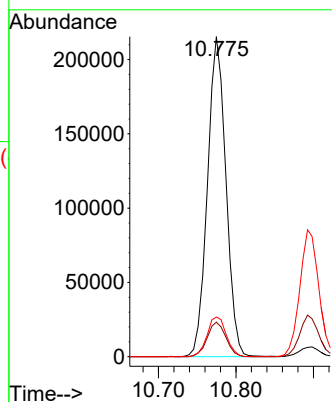
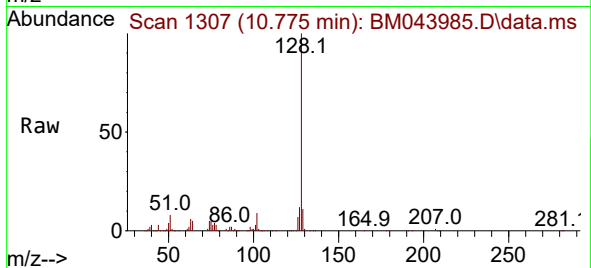
Tgt Ion:128 Resp: 356061

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

127 12.4 10.1 15.1



#32

Benzoic acid

Concen: 8.680 ng

RT: 9.963 min Scan# 1169

Delta R.T. -0.059 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

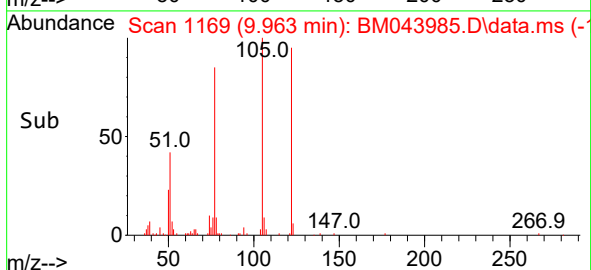
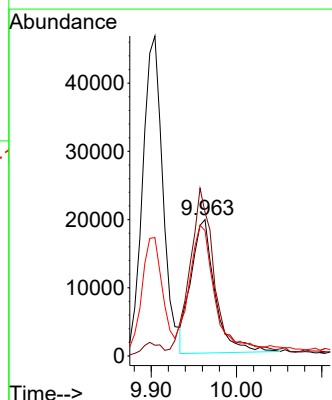
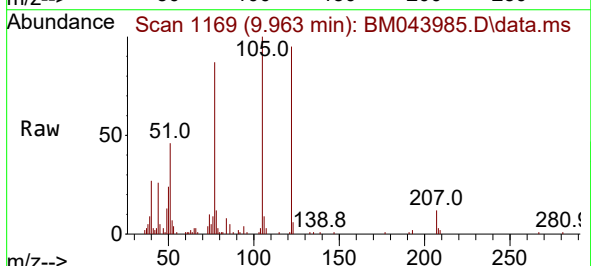
Tgt Ion:122 Resp: 38039

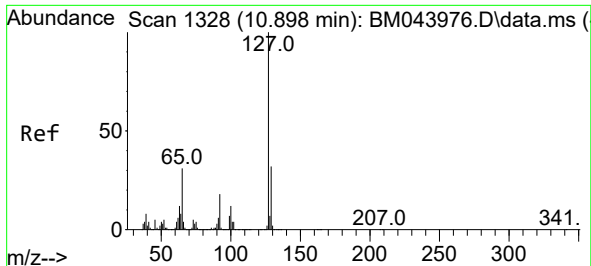
Ion Ratio Lower Upper

122 100

105 105.5 109.4 149.4#

77 92.0 80.5 120.5

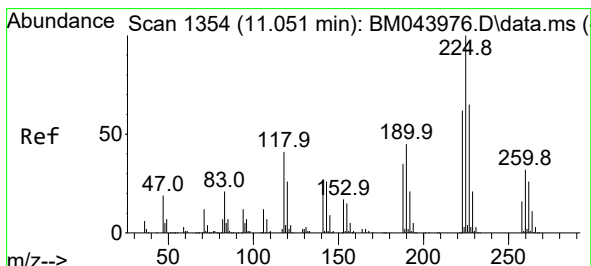
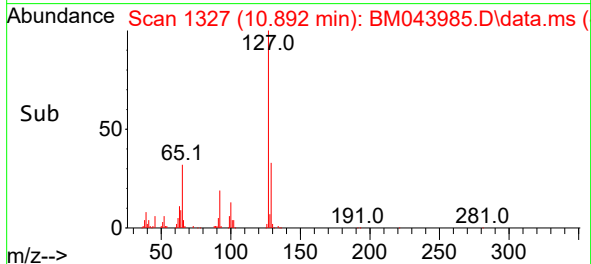
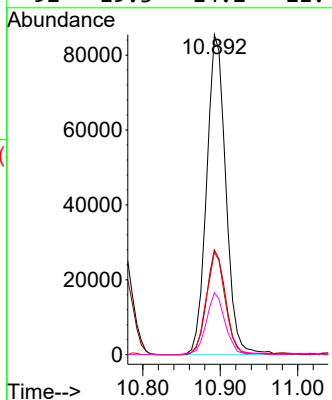
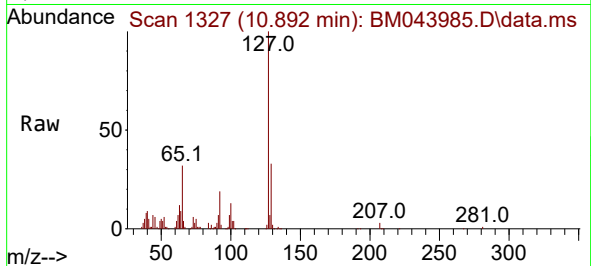




#33
4-Chloroaniline
Concen: 4.971 ng
RT: 10.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

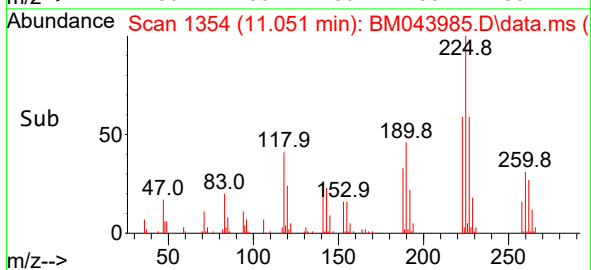
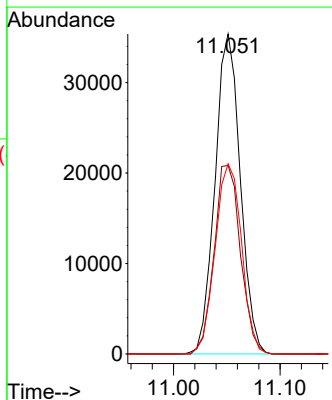
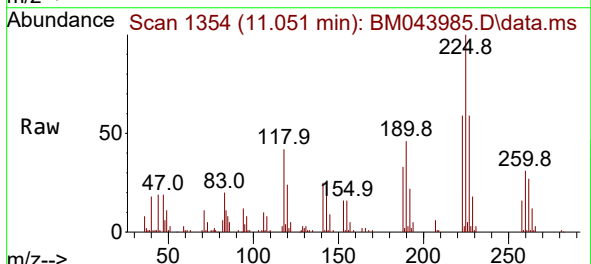
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

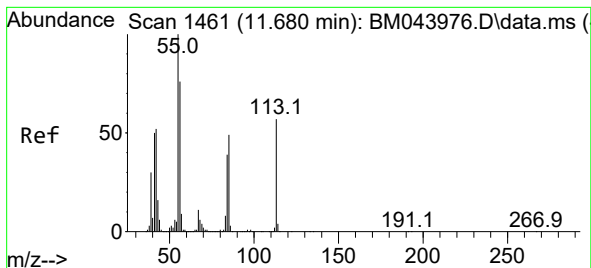
Tgt	Ion:127	Resp:	147030
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.6	38.4
65	32.0	24.5	36.7
92	19.3	14.2	21.4



#34
Hexachlorobutadiene
Concen: 4.972 ng
RT: 11.051 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:225	Resp: 58253		
Ion Ratio	Lower	Upper	
225	100		
223	58.9	49.8	74.8
227	59.4	51.7	77.5

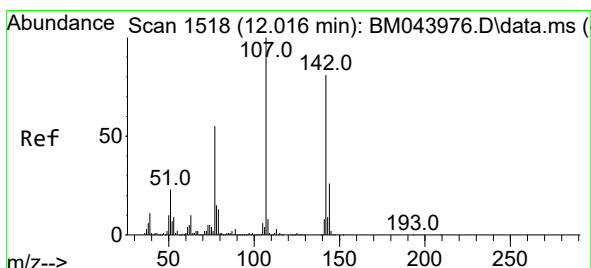
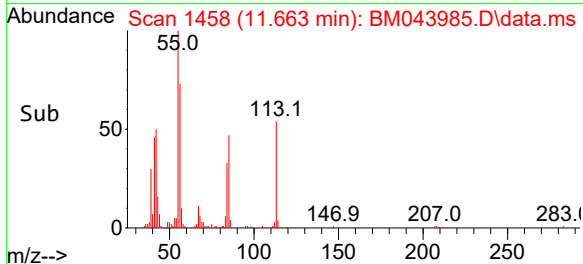
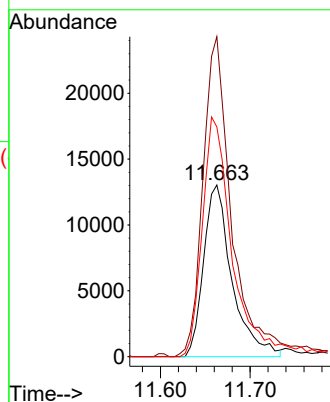
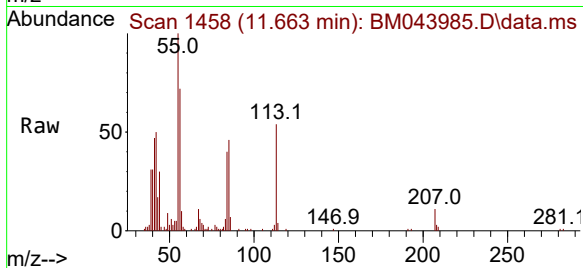




#35
Caprolactam
Concen: 3.676 ng
RT: 11.663 min Scan# 1458
Delta R.T. -0.018 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

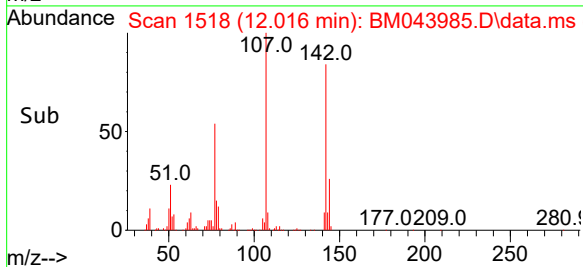
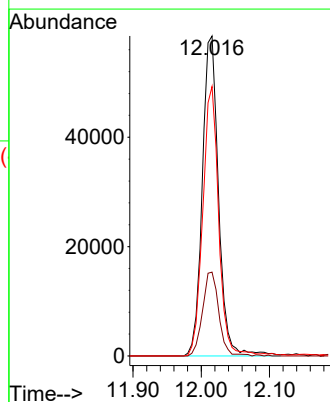
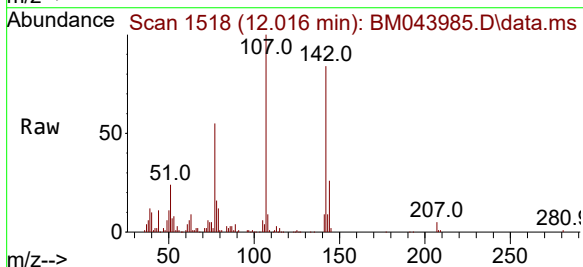
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

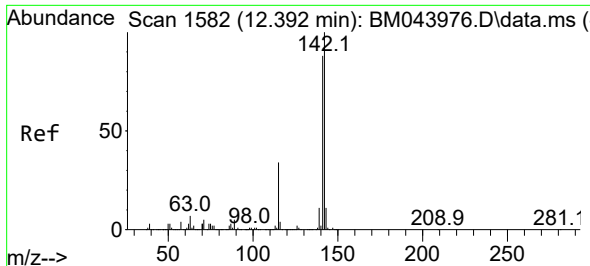
Tgt Ion:113 Resp: 28674
Ion Ratio Lower Upper
113 100
55 186.4 154.3 194.3
56 133.8 112.2 152.2



#36
4-Chloro-3-methylphenol
Concen: 4.176 ng
RT: 12.016 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:107 Resp: 97256
Ion Ratio Lower Upper
107 100
144 26.2 21.1 31.7
142 84.2 65.0 97.4

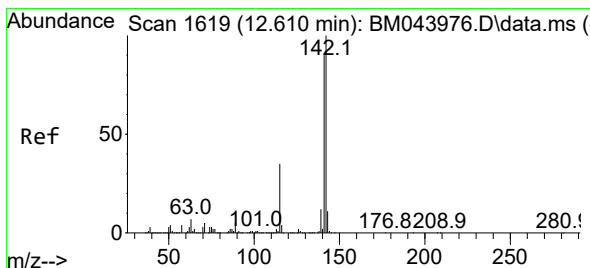
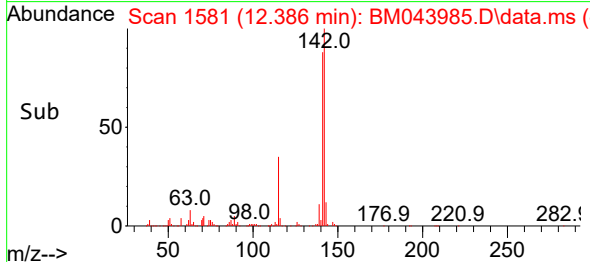
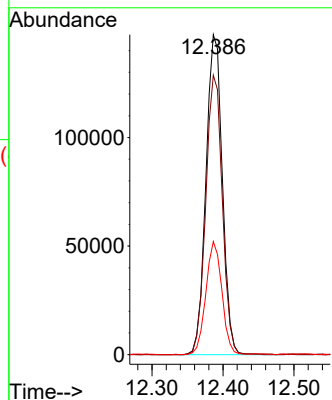
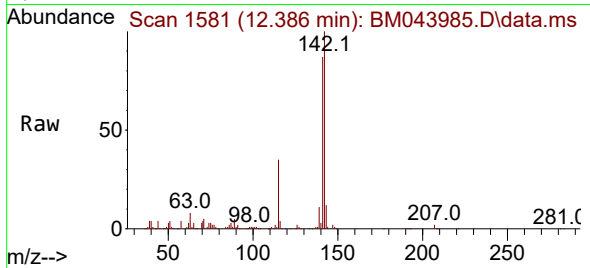




#37
2-Methylnaphthalene
Concen: 4.723 ng
RT: 12.386 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

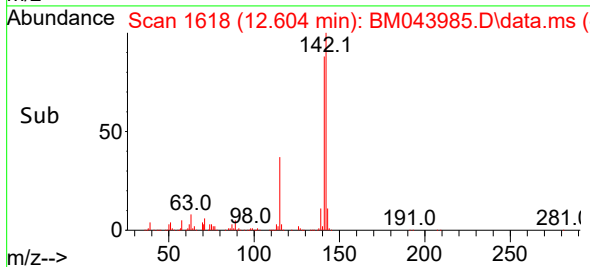
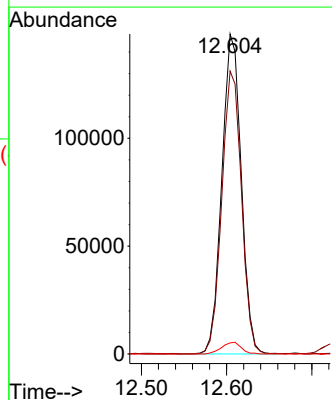
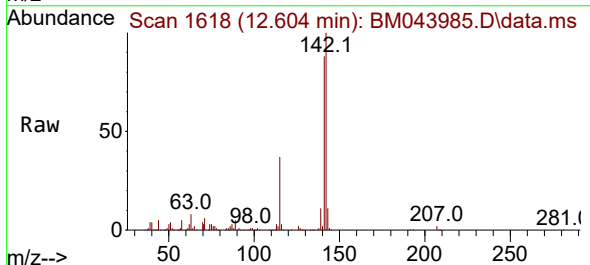
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

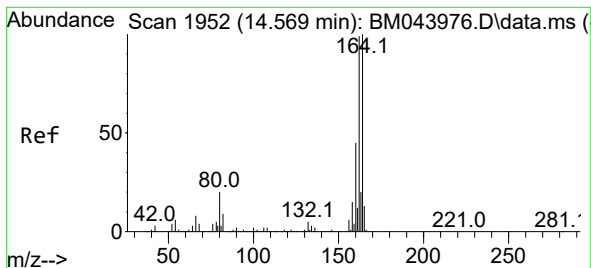
Tgt Ion:142 Resp: 237026
Ion Ratio Lower Upper
142 100
141 87.3 70.2 105.2
115 35.4 27.2 40.8



#38
1-Methylnaphthalene
Concen: 4.685 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:142 Resp: 234685
Ion Ratio Lower Upper
142 100
141 88.4 72.1 108.1
116 3.5 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

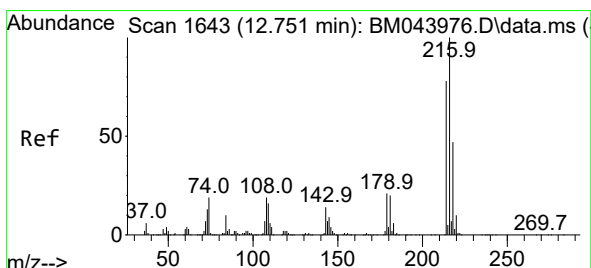
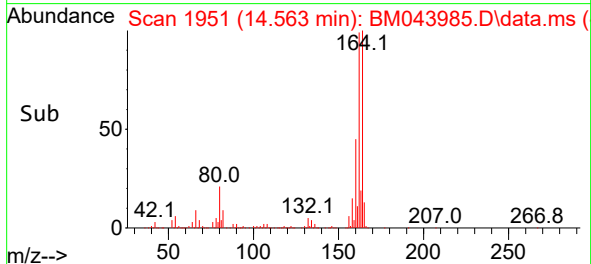
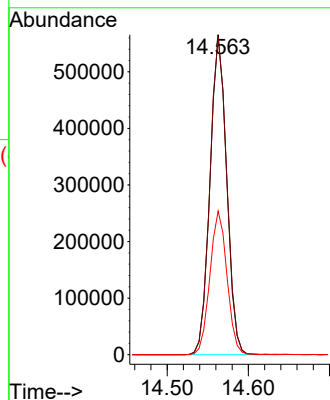
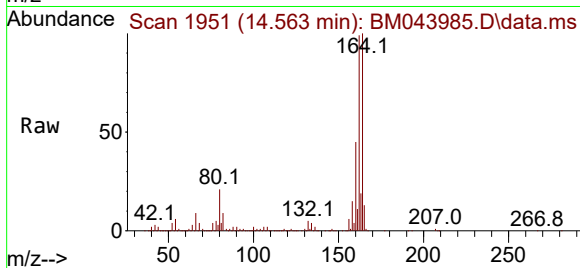
Tgt Ion:164 Resp: 803591

Ion Ratio Lower Upper

164 100

162 99.3 79.0 118.4

160 44.9 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.194 ng

RT: 12.751 min Scan# 1643

Delta R.T. 0.000 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Tgt Ion:216 Resp: 118386

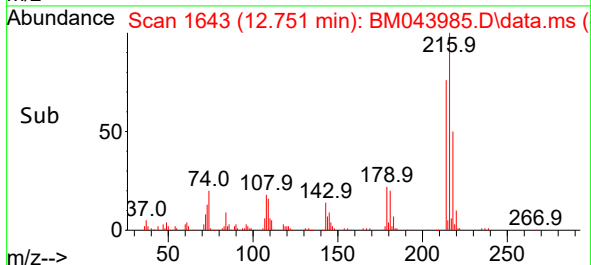
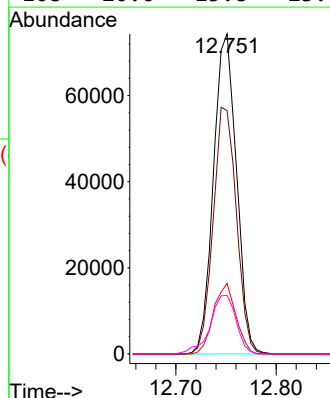
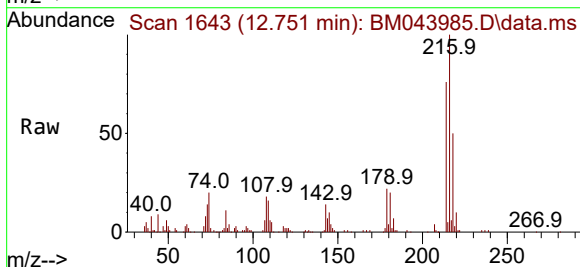
Ion Ratio Lower Upper

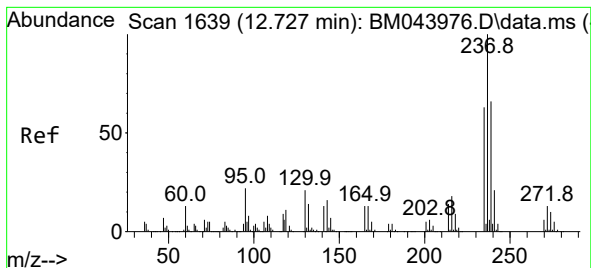
216 100

214 77.6 62.6 94.0

179 21.4 16.7 25.1

108 20.6 15.8 23.8





#41

Hexachlorocyclopentadiene

Concen: 6.174 ng

RT: 12.722 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

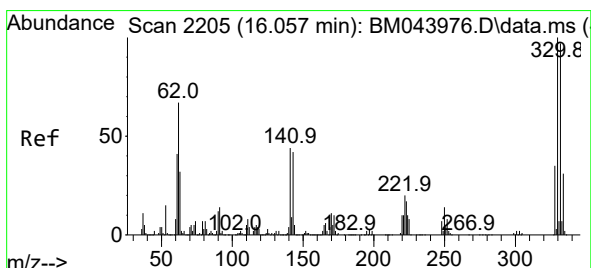
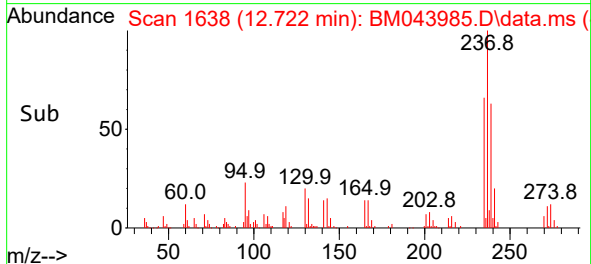
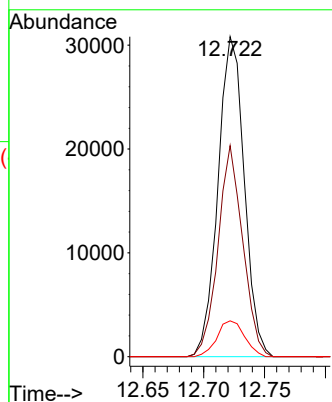
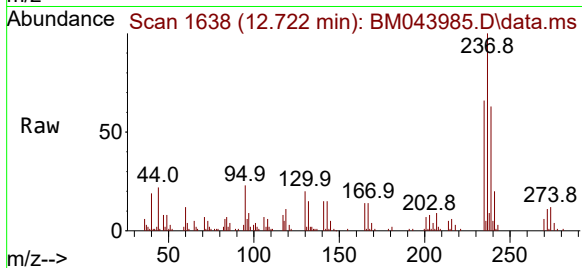
Tgt Ion:237 Resp: 46277

Ion Ratio Lower Upper

237 100

235 66.0 43.5 83.5

272 11.2 0.0 33.2



#42

2,4,6-Tribromophenol

Concen: 107.984 ng

RT: 16.057 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

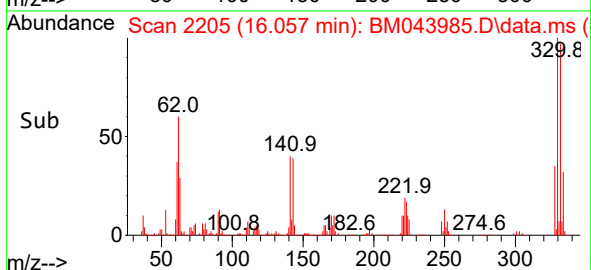
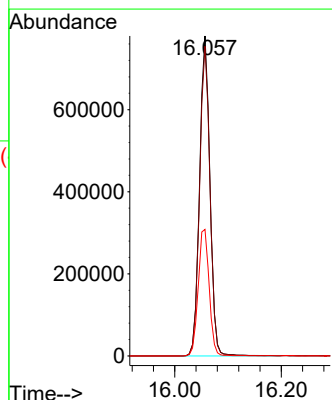
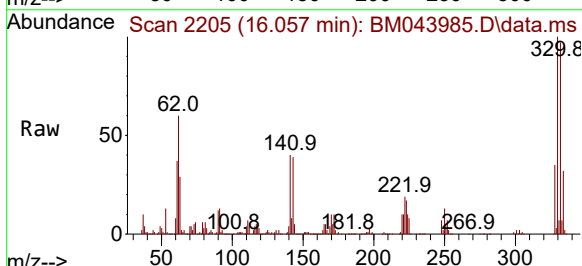
Tgt Ion:330 Resp: 1057775

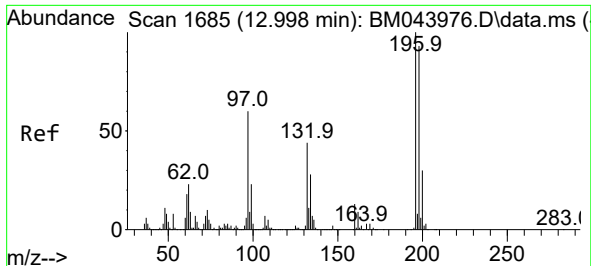
Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 42.0 33.5 50.3

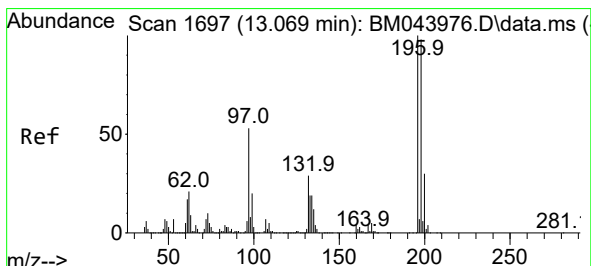
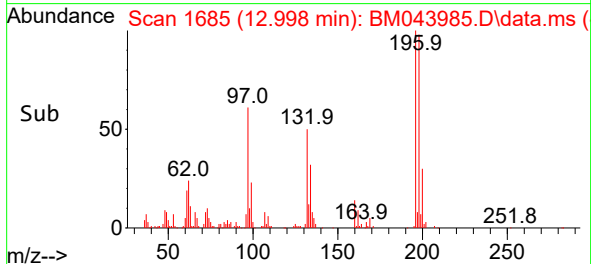
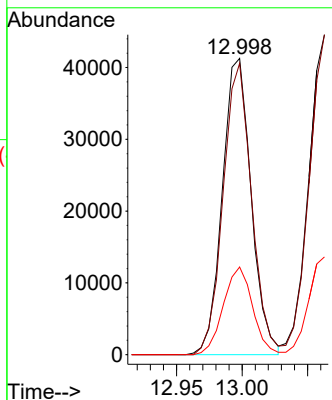
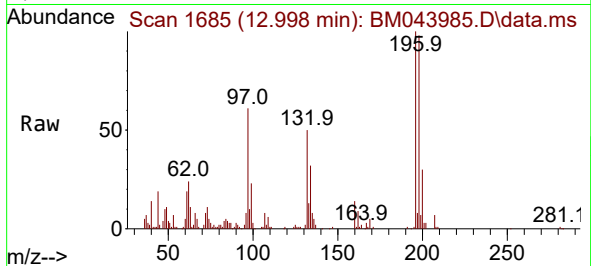




#43
2,4,6-Trichlorophenol
Concen: 4.104 ng
RT: 12.998 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

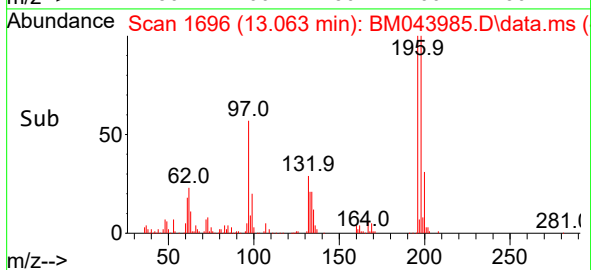
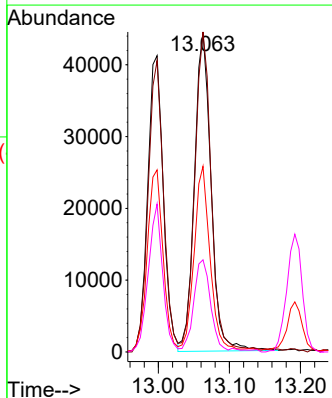
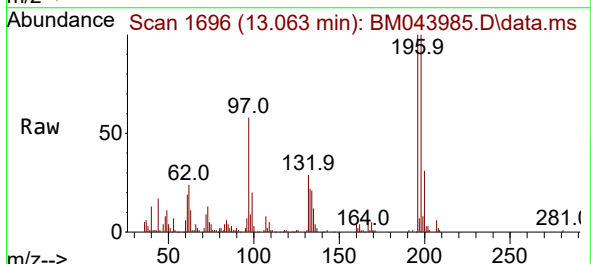
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

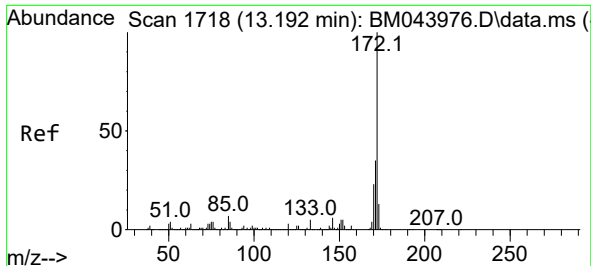
Tgt Ion:196 Resp: 63208
Ion Ratio Lower Upper
196 100
198 98.3 74.2 111.2
200 29.6 23.8 35.8



#44
2,4,5-Trichlorophenol
Concen: 4.137 ng
RT: 13.063 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:196 Resp: 72696
Ion Ratio Lower Upper
196 100
198 100.0 78.1 117.1
97 58.0 42.2 63.2
132 28.8 23.2 34.8

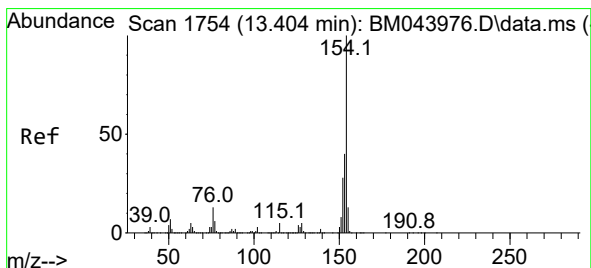
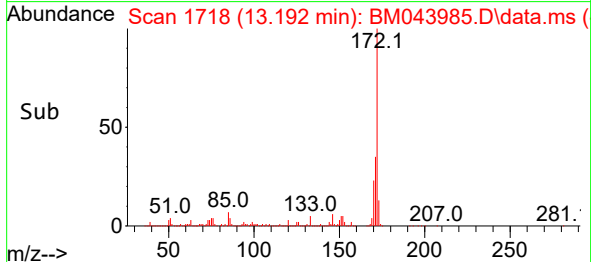
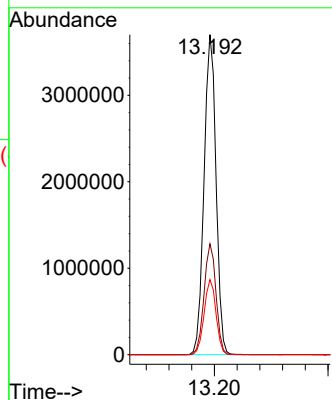
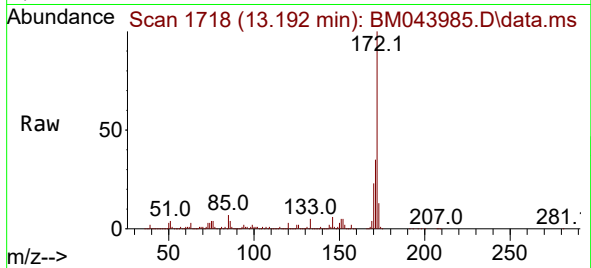




#45
2-Fluorobiphenyl
Concen: 92.358 ng
RT: 13.192 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

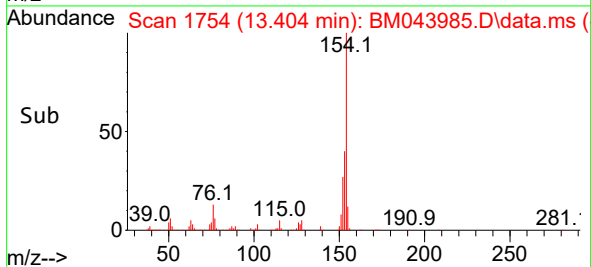
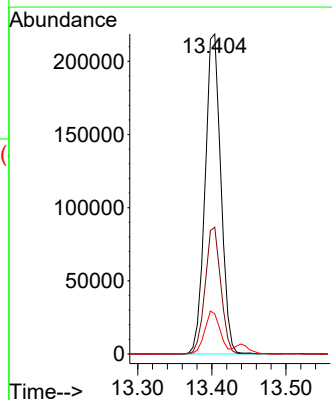
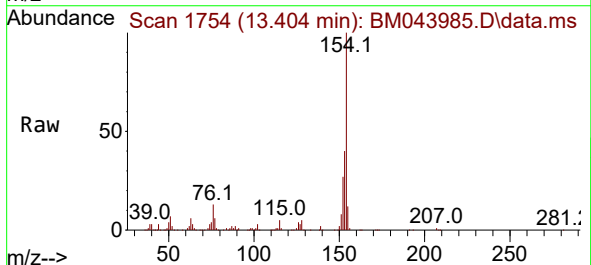
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

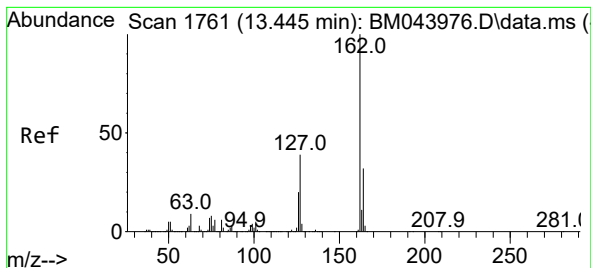
Tgt Ion:172 Resp: 5401332
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 5.126 ng
RT: 13.404 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:154 Resp: 323935
Ion Ratio Lower Upper
154 100
153 39.6 19.8 59.8
76 12.6 0.0 33.0

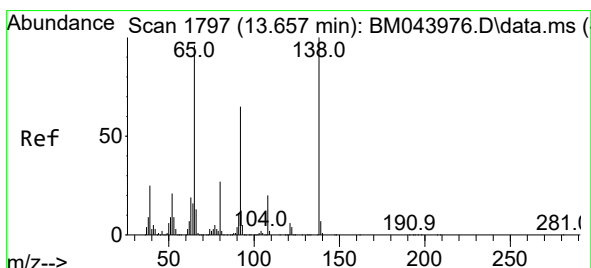
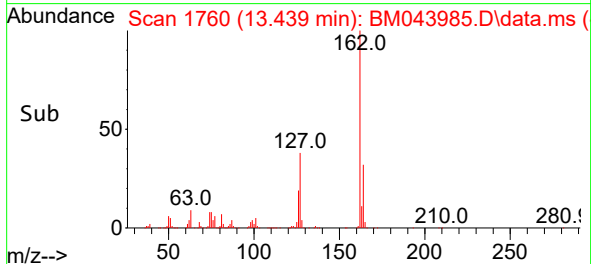
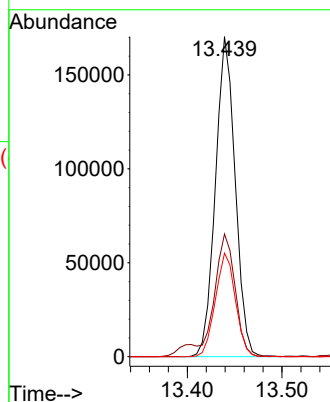
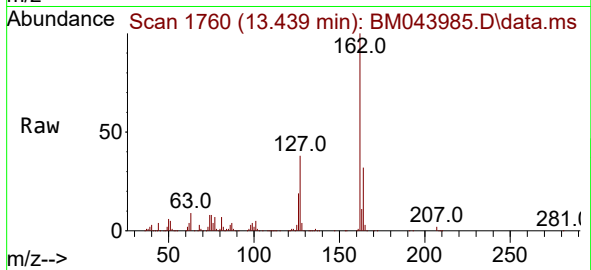




#47
2-Chloronaphthalene
Concen: 4.908 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

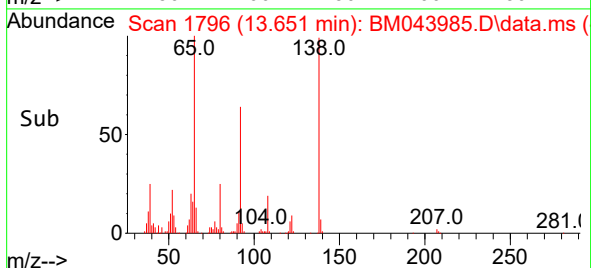
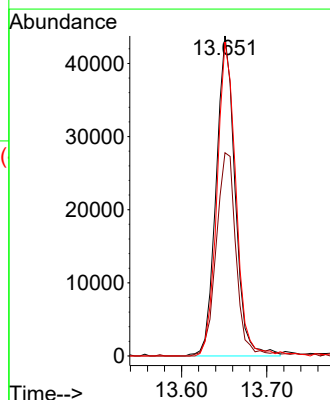
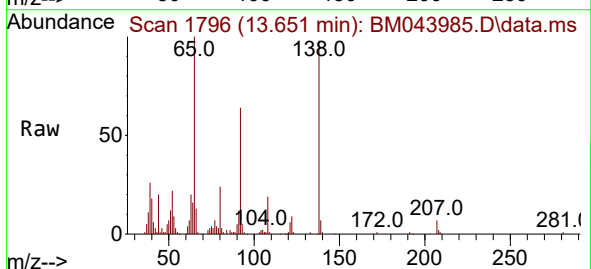
Instrument :
BNA_M
ClientSampleId :
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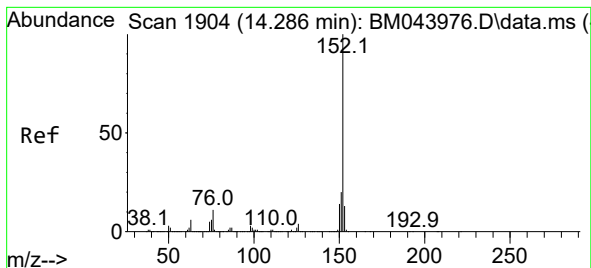
Tgt Ion:162 Resp: 247335
Ion Ratio Lower Upper
162 100
127 38.4 31.0 46.6
164 32.4 25.8 38.6



#48
2-Nitroaniline
Concen: 4.134 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion: 65 Resp: 67760
Ion Ratio Lower Upper
65 100
92 63.5 53.6 80.4
138 98.1 83.0 124.6





#49

Acenaphthylene

Concen: 5.148 ng

RT: 14.286 min Scan# 1904

Delta R.T. 0.000 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

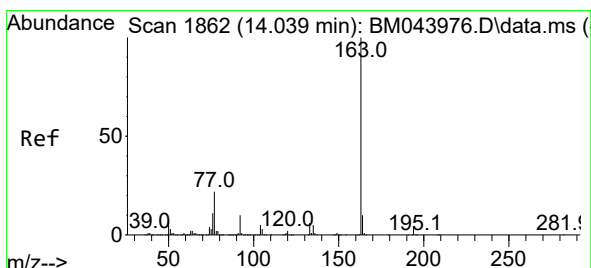
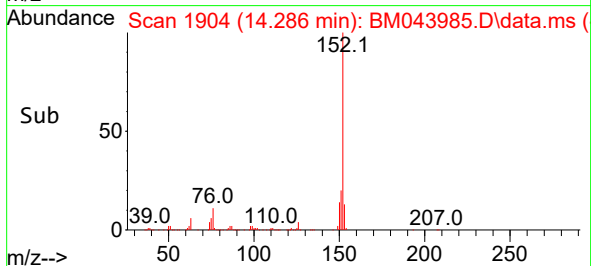
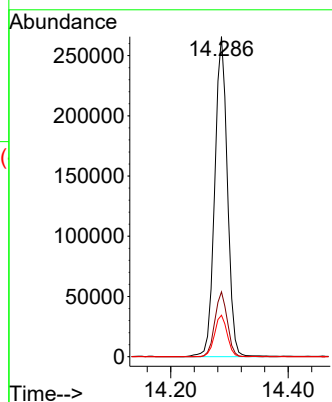
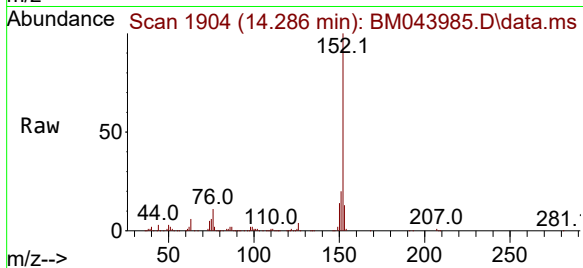
Tgt Ion:152 Resp: 396591

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 4.883 ng

RT: 14.033 min Scan# 1861

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

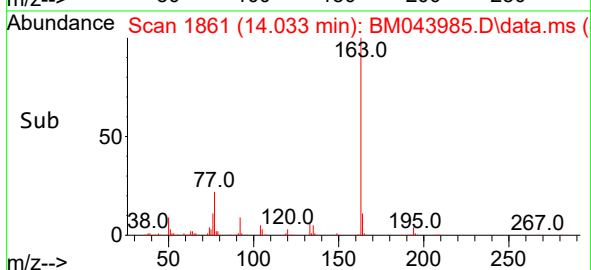
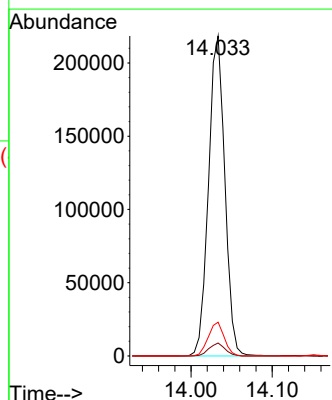
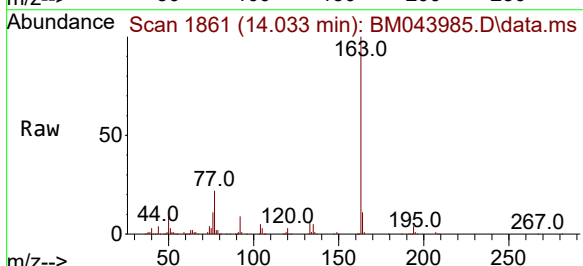
Tgt Ion:163 Resp: 304768

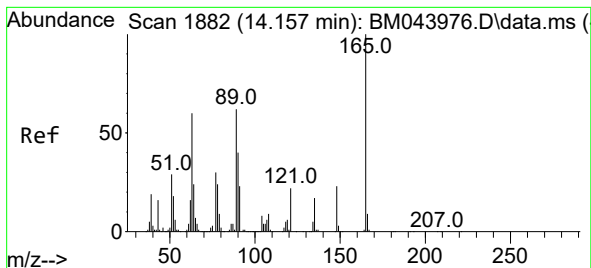
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.6 8.0 12.0

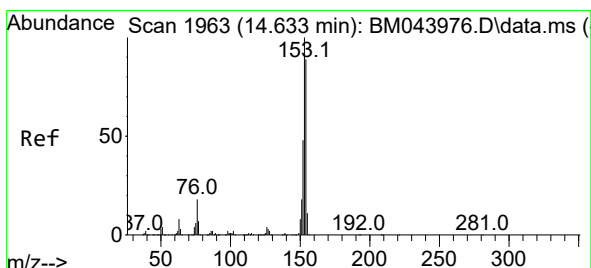
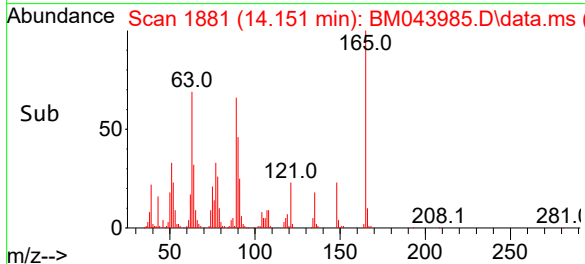
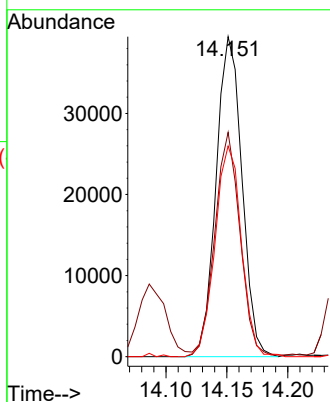
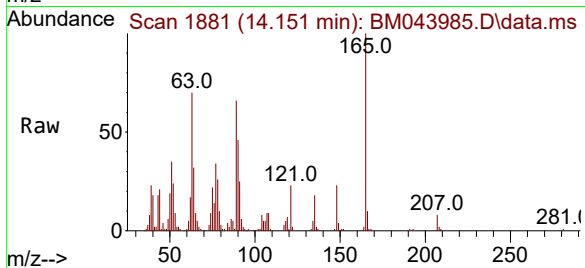




#51
2,6-Dinitrotoluene
Concen: 4.247 ng
RT: 14.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

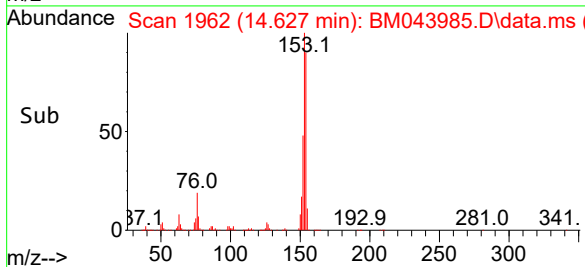
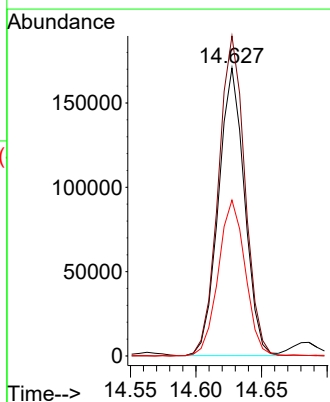
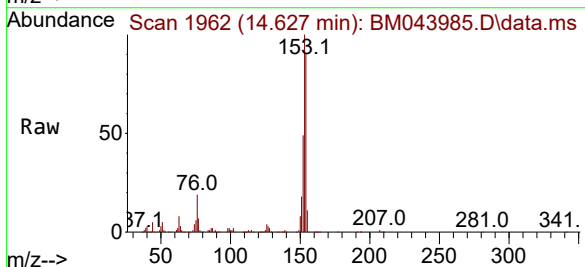
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

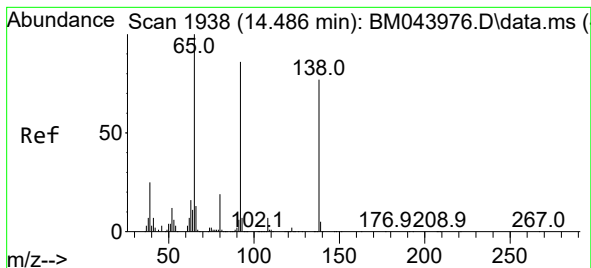
Tgt Ion:165 Resp: 58265
Ion Ratio Lower Upper
165 100
63 70.1 51.1 76.7
89 65.8 49.5 74.3



#52
Acenaphthene
Concen: 4.829 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:154 Resp: 235826
Ion Ratio Lower Upper
154 100
153 111.1 90.1 135.1
152 54.2 43.6 65.4

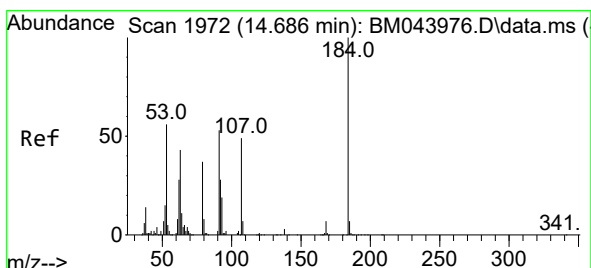
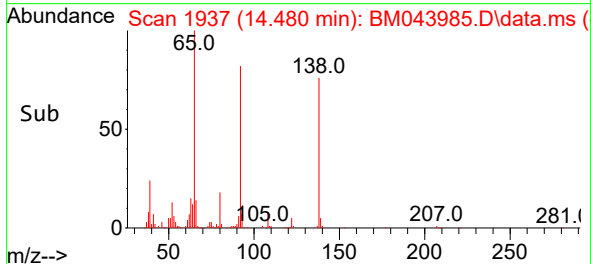
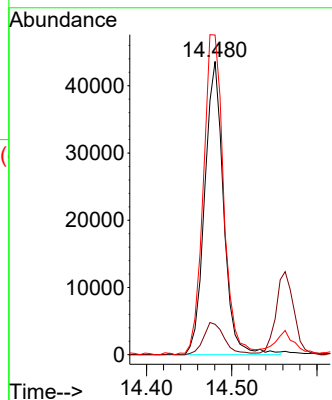
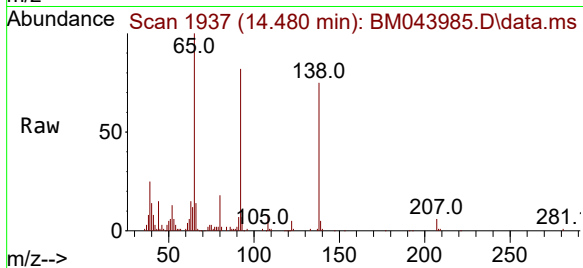




#53
3-Nitroaniline
Concen: 4.218 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

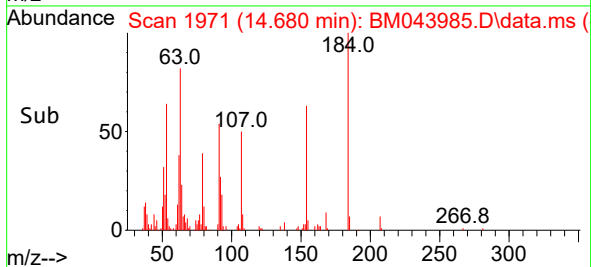
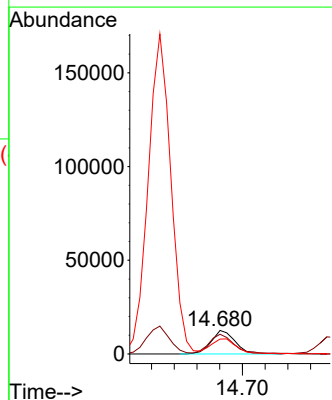
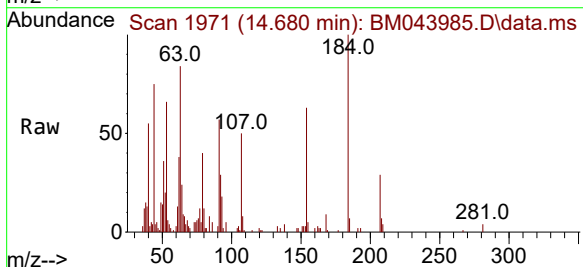
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

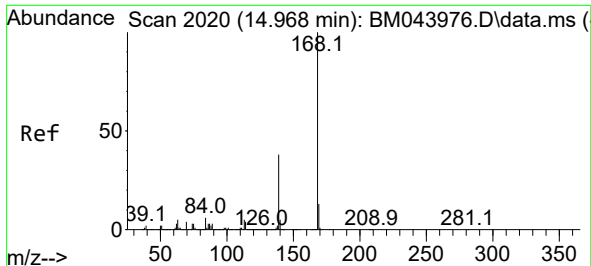
Tgt Ion:138 Resp: 67182
Ion Ratio Lower Upper
138 100
108 10.4 7.8 11.6
92 109.0 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 9.363 ng
RT: 14.680 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:184 Resp: 18228
Ion Ratio Lower Upper
184 100
63 83.7 62.8 94.2
154 63.3 51.4 77.2

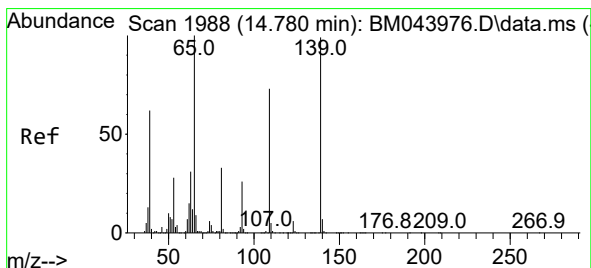
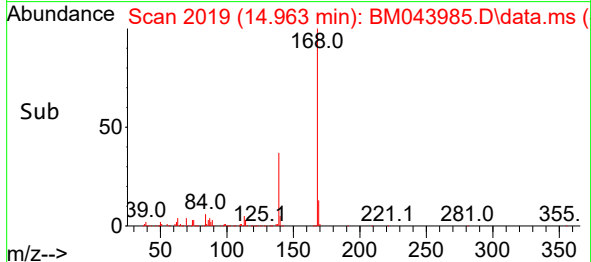
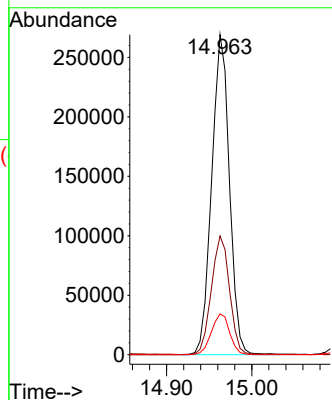
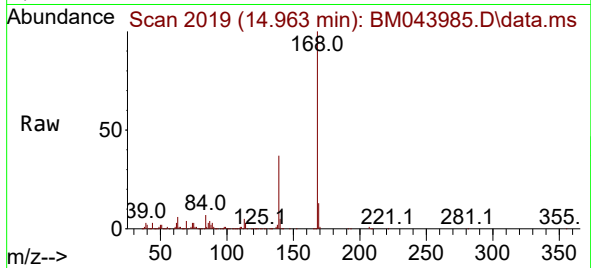




#55
Dibenzofuran
Concen: 5.113 ng
RT: 14.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

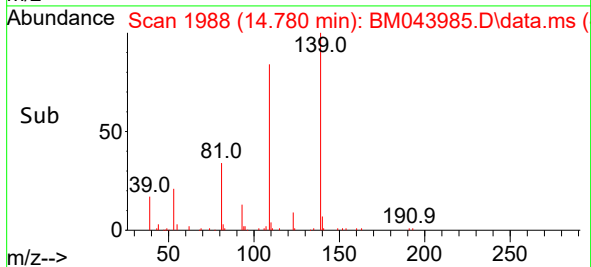
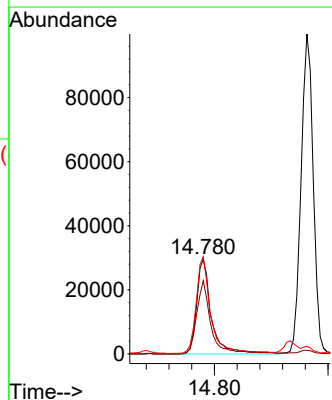
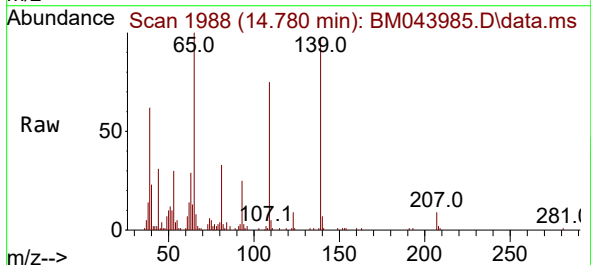
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

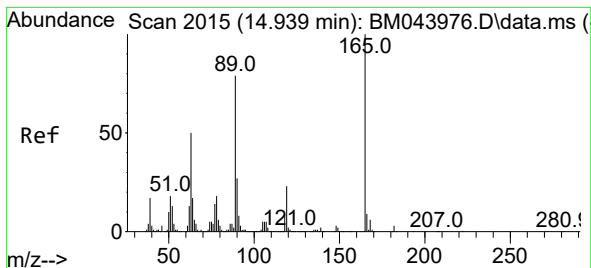
Tgt Ion:168 Resp: 388621
Ion Ratio Lower Upper
168 100
139 37.1 30.7 46.1
169 12.8 10.5 15.7



#56
4-Nitrophenol
Concen: 3.824 ng
RT: 14.780 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:139 Resp: 53230
Ion Ratio Lower Upper
139 100
109 77.4 53.2 93.2
65 102.8 80.7 120.7

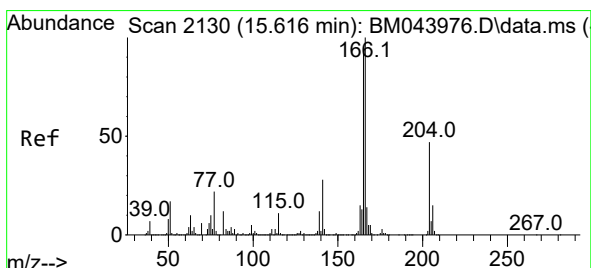
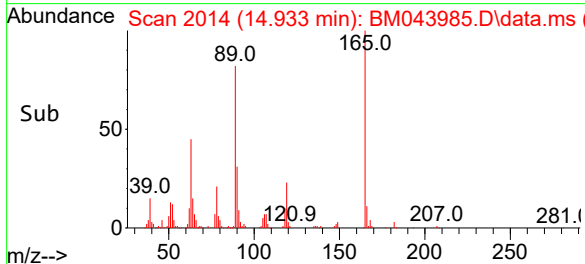
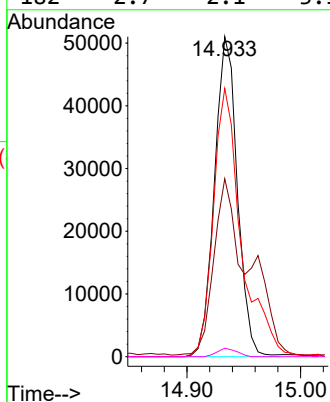
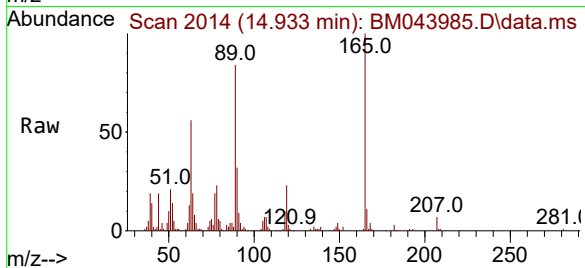




#57
2,4-Dinitrotoluene
Concen: 3.742 ng
RT: 14.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

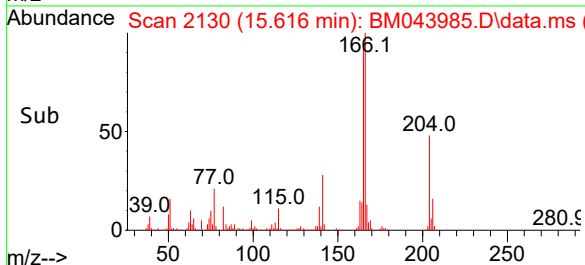
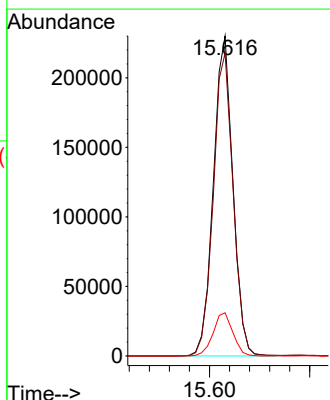
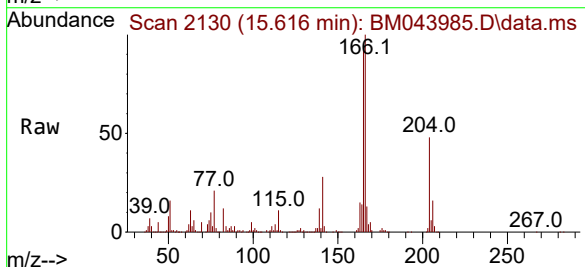
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

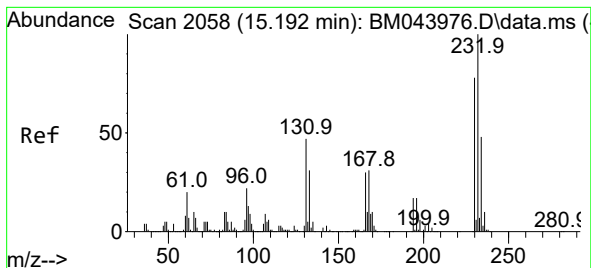
Tgt Ion:165 Resp: 71470
Ion Ratio Lower Upper
165 100
63 55.6 40.2 60.4
89 83.8 63.3 94.9
182 2.7 2.1 3.1



#58
Fluorene
Concen: 4.840 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:166 Resp: 310646
Ion Ratio Lower Upper
166 100
165 94.7 76.3 114.5
167 13.5 10.9 16.3

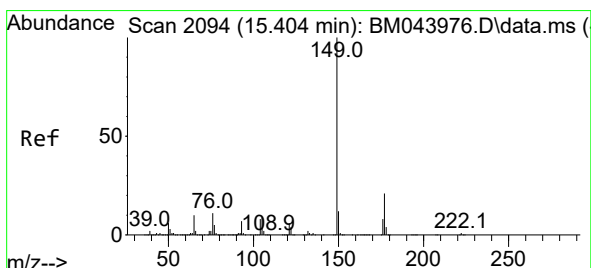
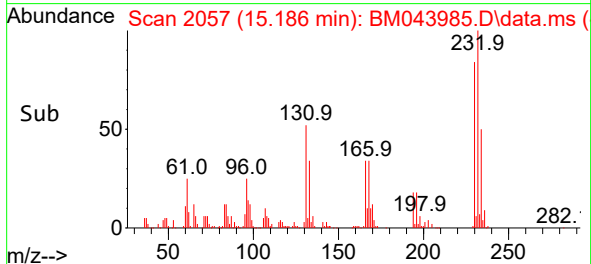
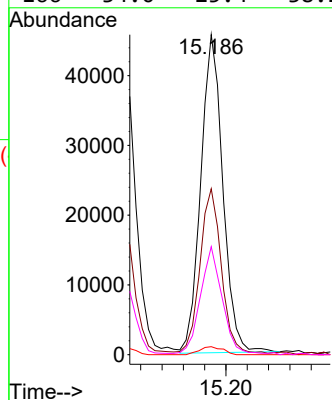
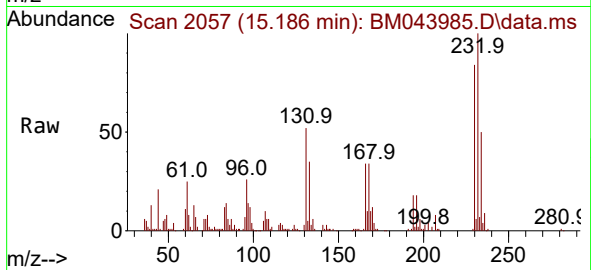




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.333 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

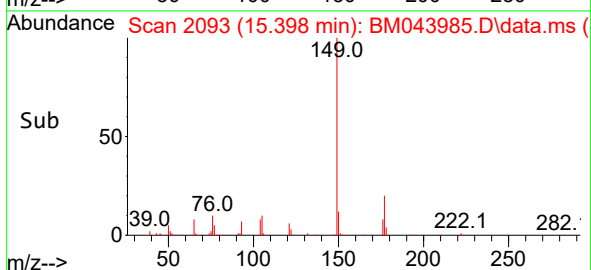
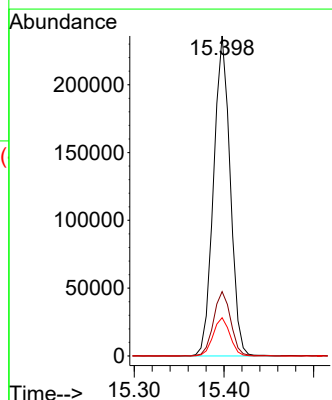
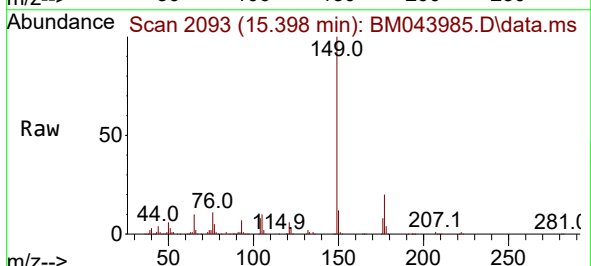
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

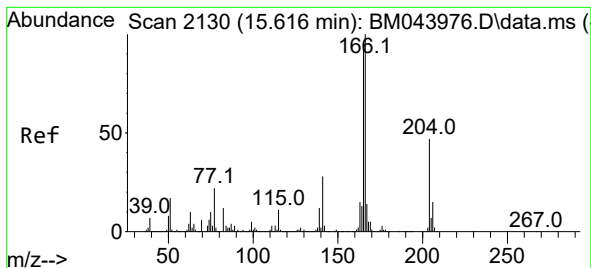
Tgt Ion:232 Resp: 65638
Ion Ratio Lower Upper
232 100
131 50.3 39.8 59.6
130 2.6 2.0 3.0
166 34.0 25.4 38.2



#60
Diethylphthalate
Concen: 4.703 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:149 Resp: 303920
Ion Ratio Lower Upper
149 100
177 20.1 17.1 25.7
150 12.0 9.8 14.6

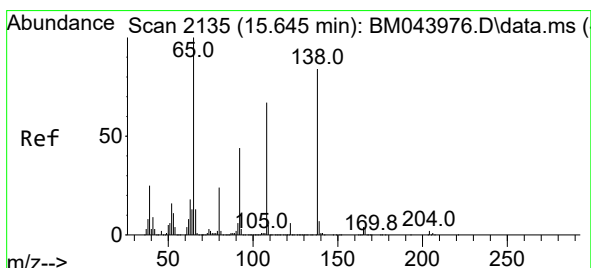
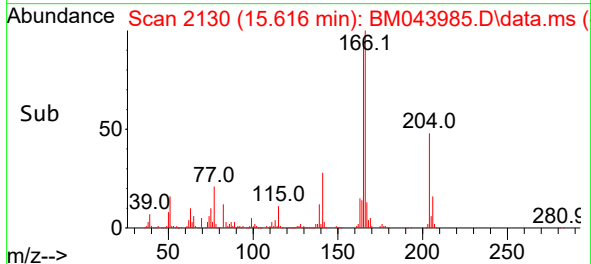
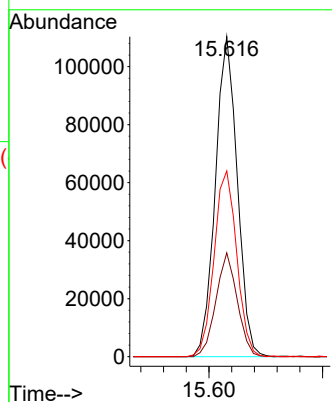
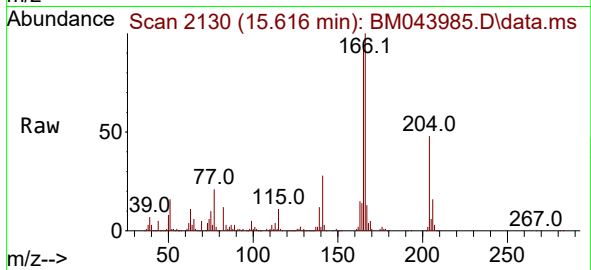




#61
4-Chlorophenyl-phenylether
Concen: 4.942 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

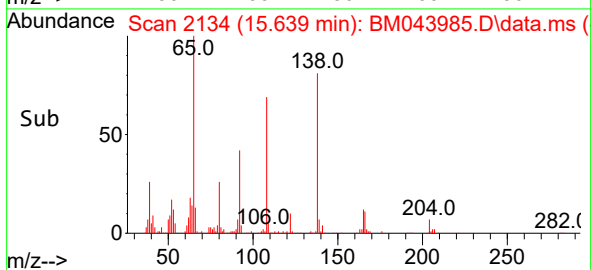
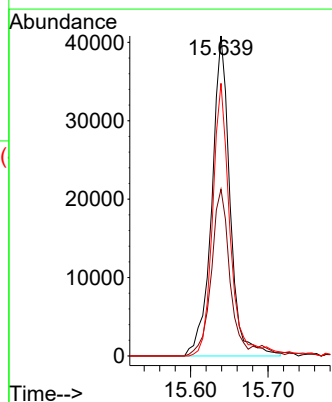
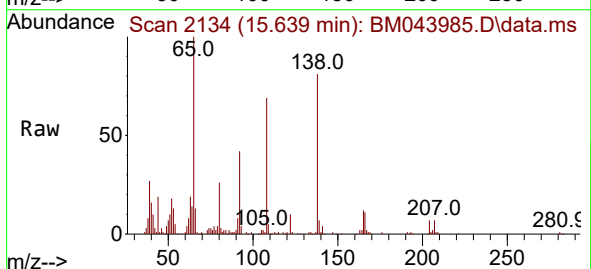
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

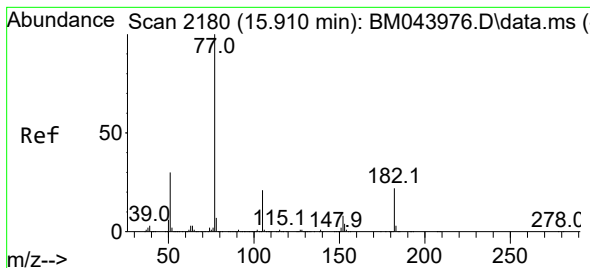
Tgt Ion:204 Resp: 147993
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.2
141 58.0 48.6 72.8



#62
4-Nitroaniline
Concen: 3.840 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:138 Resp: 66875
Ion Ratio Lower Upper
138 100
92 52.1 32.7 72.7
108 85.2 60.0 100.0





#63

Azobenzene

Concen: 4.713 ng

RT: 15.910 min Scan# 2180

Delta R.T. 0.000 min

Lab File: BM043985.D

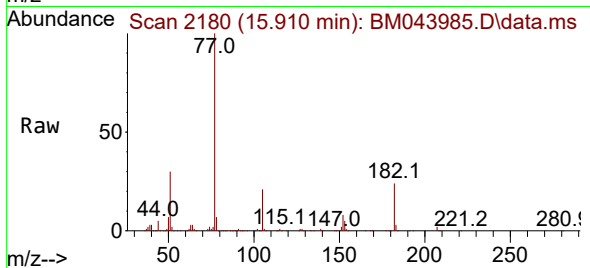
Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion: 77 Resp: 304149

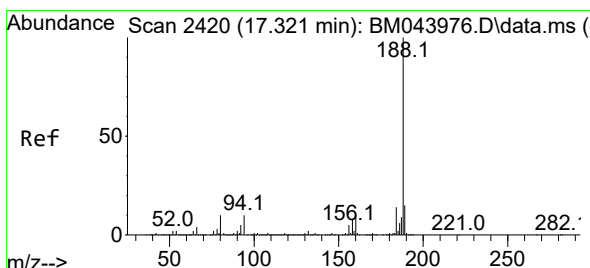
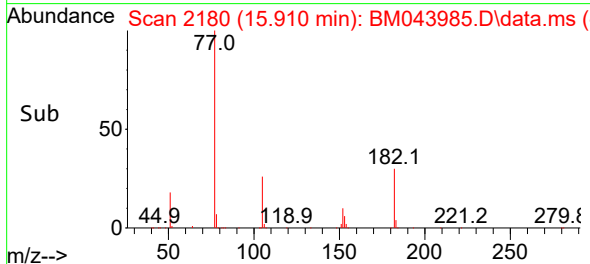
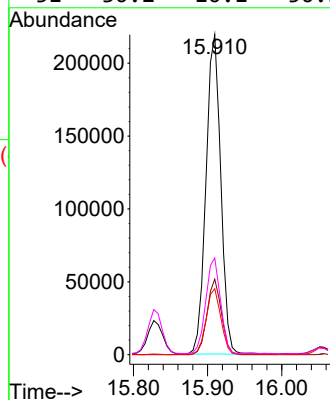
Ion Ratio Lower Upper

77 100

182 23.6 2.0 42.0

105 20.6 0.5 40.5

51 30.2 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

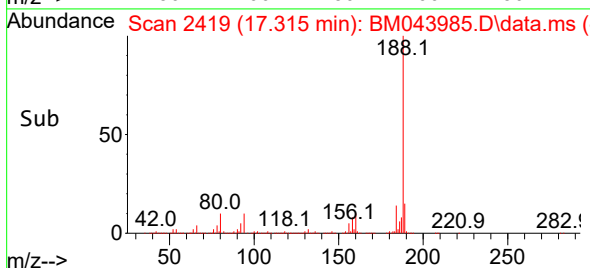
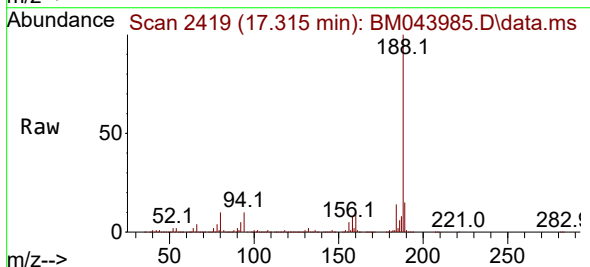
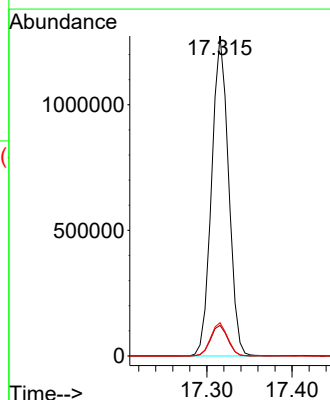
Tgt Ion: 188 Resp: 1759174

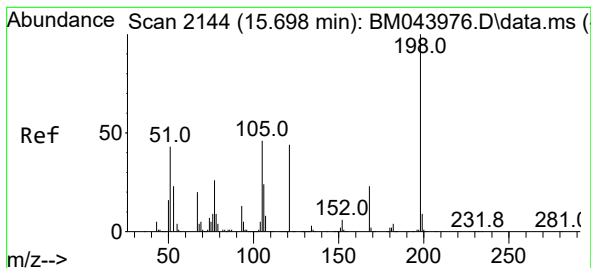
Ion Ratio Lower Upper

188 100

94 9.5 7.7 11.5

80 10.4 8.2 12.4

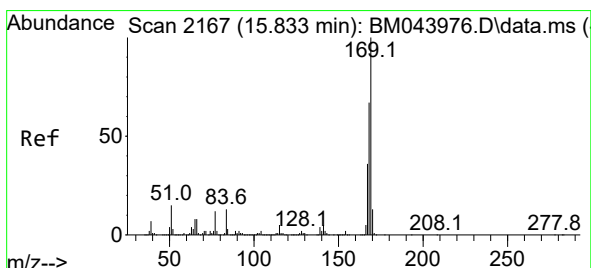
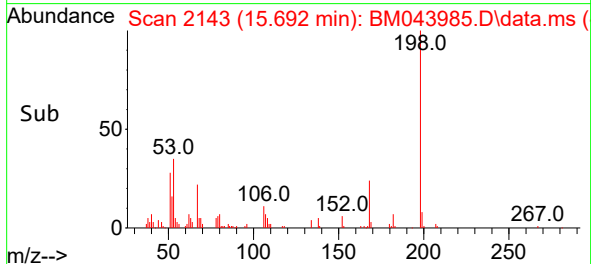
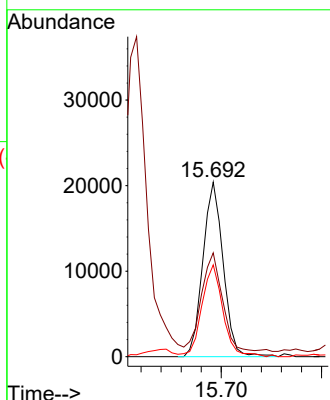
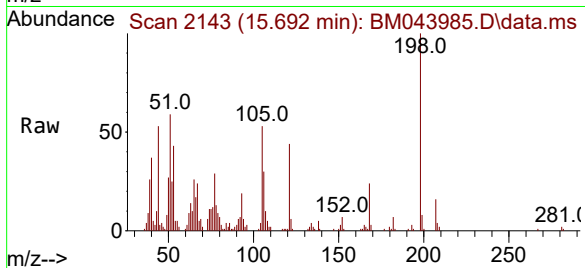




#65
4,6-Dinitro-2-methylphenol
Concen: 8.508 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

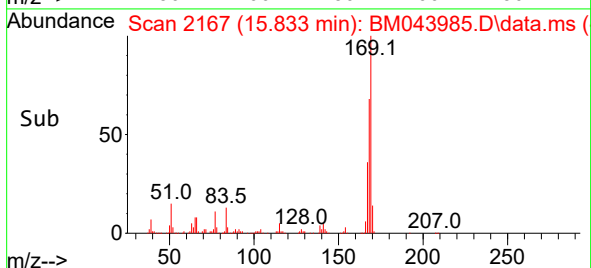
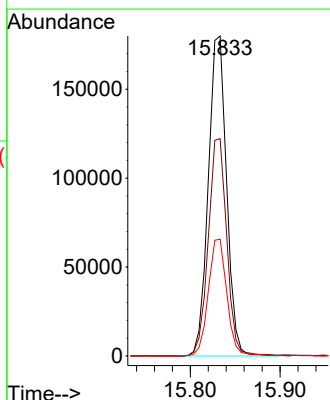
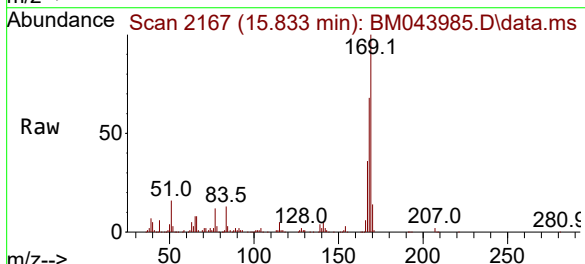
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

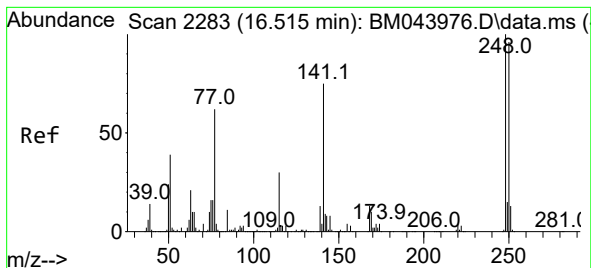
Tgt Ion:198 Resp: 28805
Ion Ratio Lower Upper
198 100
51 59.5 31.9 71.9
105 52.6 28.1 68.1



#66
n-Nitrosodiphenylamine
Concen: 4.871 ng
RT: 15.833 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:169 Resp: 255273
Ion Ratio Lower Upper
169 100
168 67.9 53.4 80.2
167 36.5 29.0 43.4

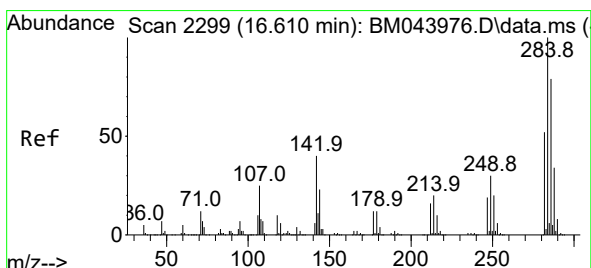
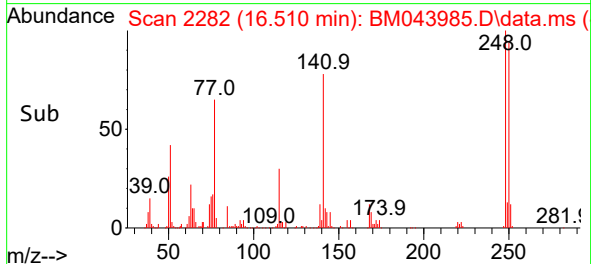
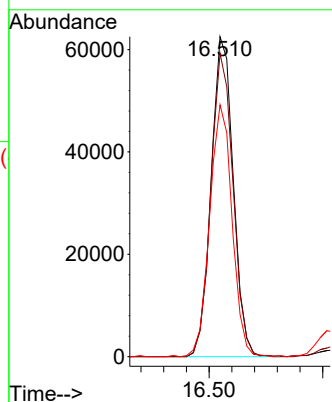
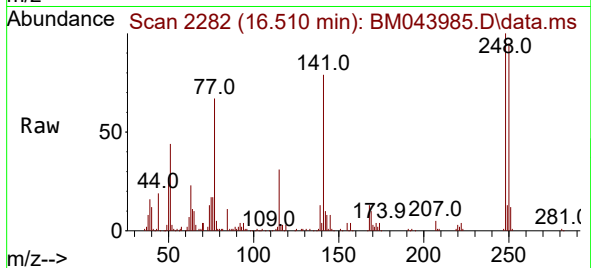




#67
4-Bromophenyl-phenylether
Concen: 4.869 ng
RT: 16.510 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

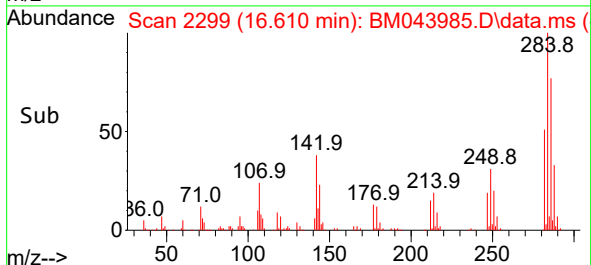
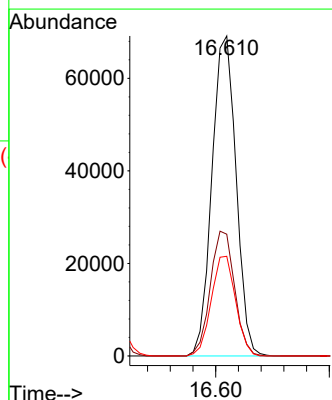
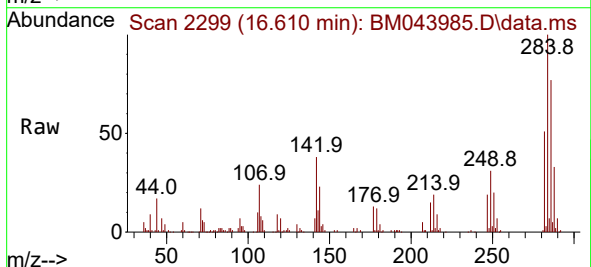
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

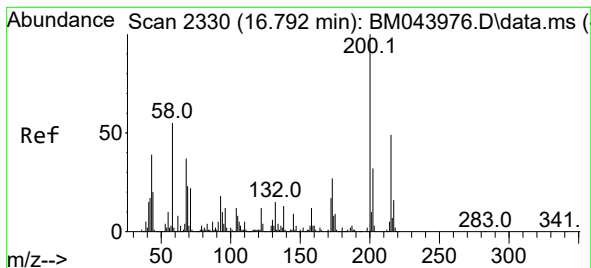
Tgt Ion:248 Resp: 84384
Ion Ratio Lower Upper
248 100
250 94.8 77.0 115.4
141 78.7 59.9 89.9



#68
Hexachlorobenzene
Concen: 4.942 ng
RT: 16.610 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:284 Resp: 102124
Ion Ratio Lower Upper
284 100
142 38.1 32.2 48.4
249 31.2 24.4 36.6





#69

Atrazine

Concen: 5.596 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

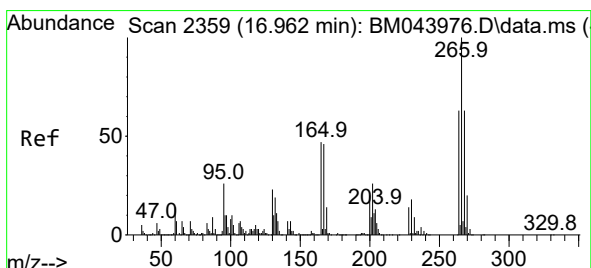
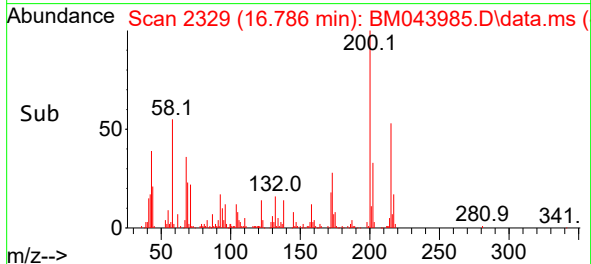
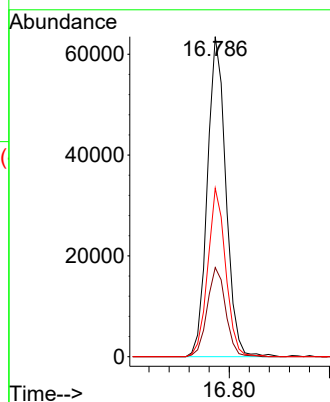
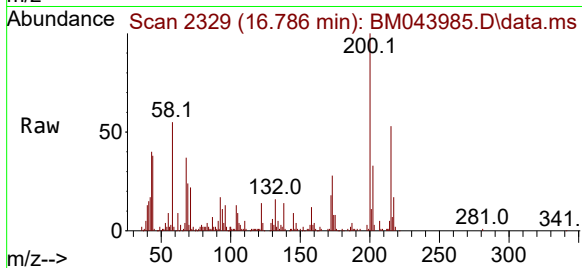
Tgt Ion:200 Resp: 81120

Ion Ratio Lower Upper

200 100

173 27.9 7.3 47.3

215 52.7 28.7 68.7



#70

Pentachlorophenol

Concen: 3.389 ng

RT: 16.957 min Scan# 2358

Delta R.T. -0.005 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

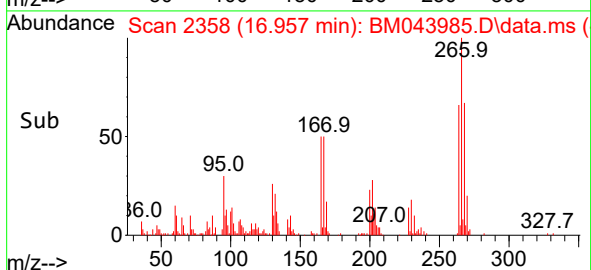
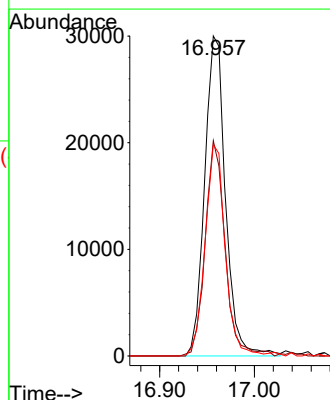
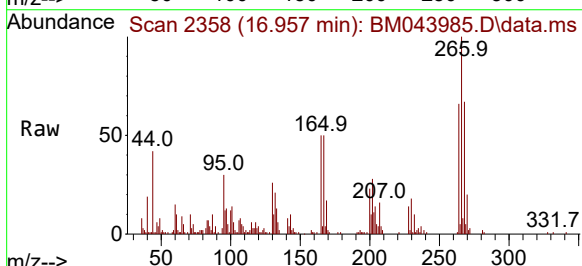
Tgt Ion:266 Resp: 45987

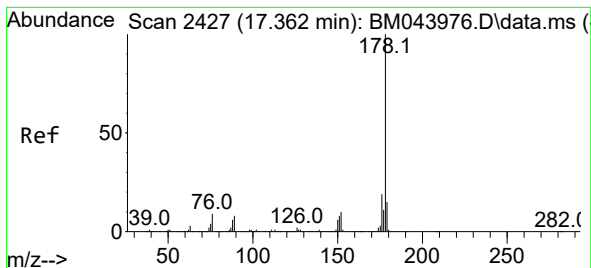
Ion Ratio Lower Upper

266 100

268 67.3 50.6 76.0

264 66.0 50.6 76.0





#71

Phenanthrene

Concen: 5.144 ng

RT: 17.357 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

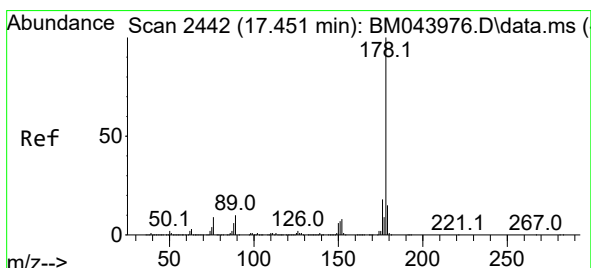
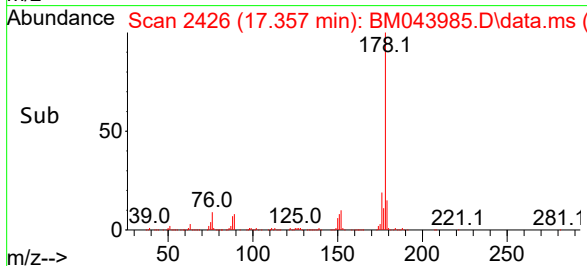
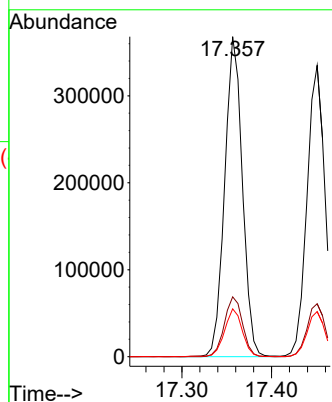
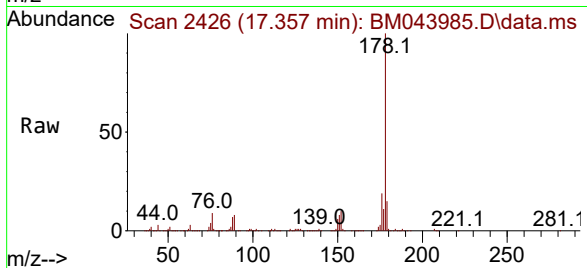
Tgt Ion:178 Resp: 504027

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 14.9 12.4 18.6



#72

Anthracene

Concen: 4.952 ng

RT: 17.451 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

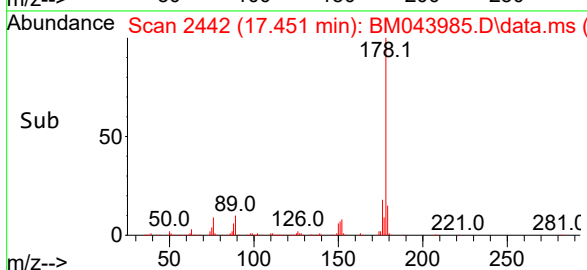
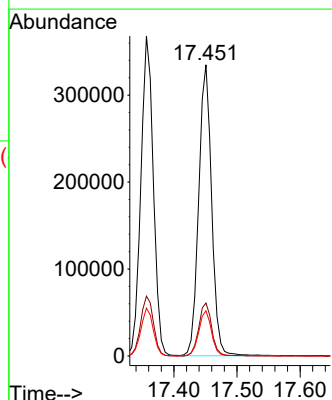
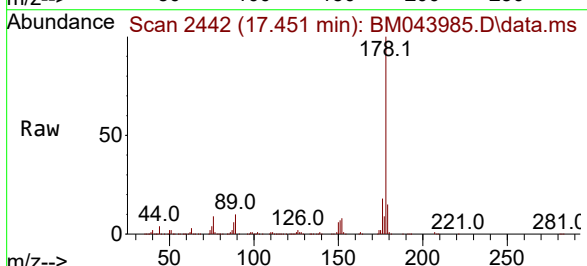
Tgt Ion:178 Resp: 474999

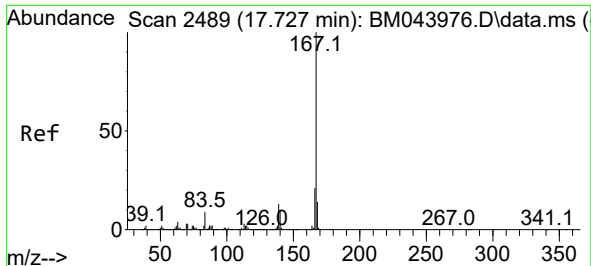
Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

179 15.5 12.2 18.4

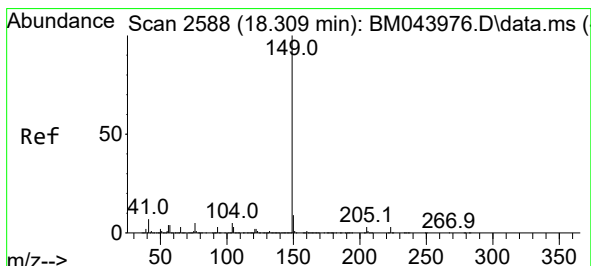
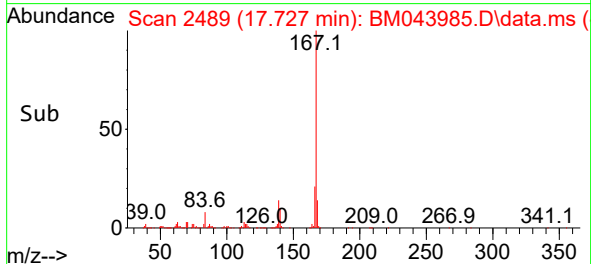
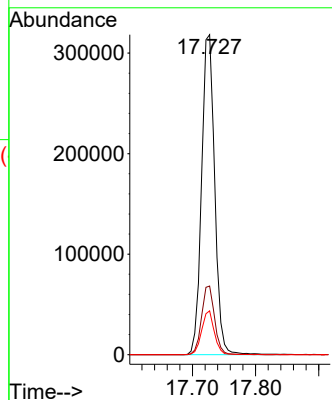
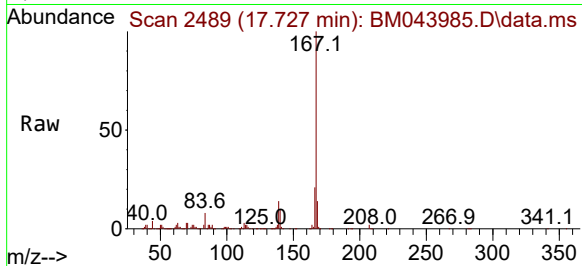




#73
 Carbazole
 Concen: 4.617 ng
 RT: 17.727 min Scan# 2489
 Delta R.T. 0.000 min
 Lab File: BM043985.D
 Acq: 06 Feb 2024 10:45

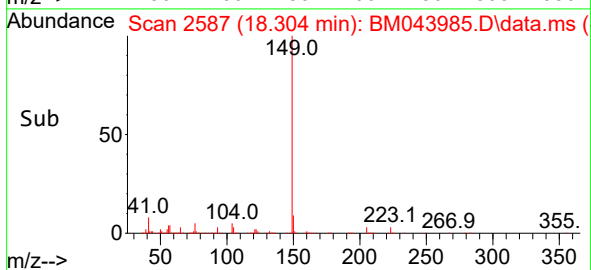
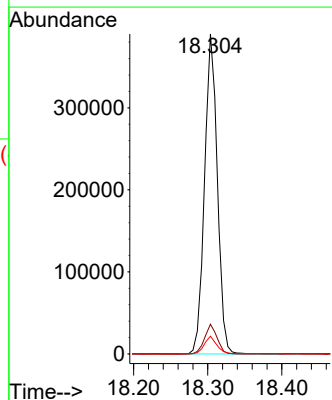
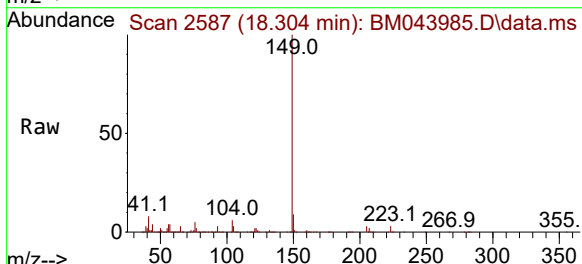
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

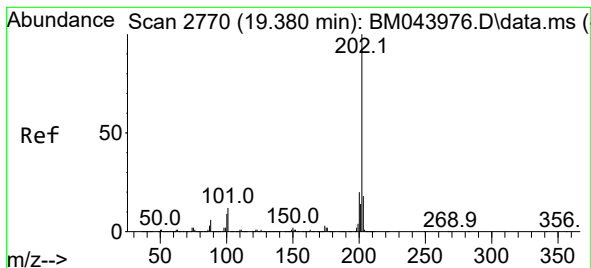
Tgt Ion:167 Resp: 458693
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 13.7 10.6 15.8



#74
 Di-n-butylphthalate
 Concen: 4.293 ng
 RT: 18.304 min Scan# 2587
 Delta R.T. -0.005 min
 Lab File: BM043985.D
 Acq: 06 Feb 2024 10:45

Tgt Ion:149 Resp: 467700
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 5.5 4.1 6.1





#75

Fluoranthene

Concen: 4.570 ng

RT: 19.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

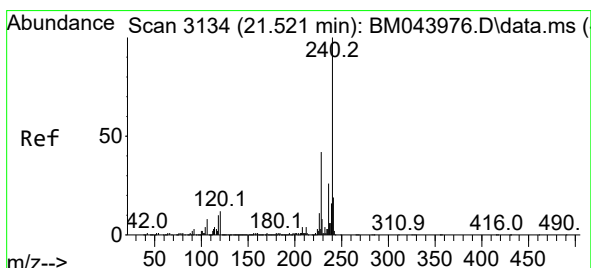
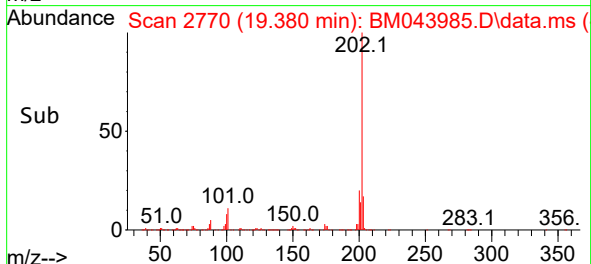
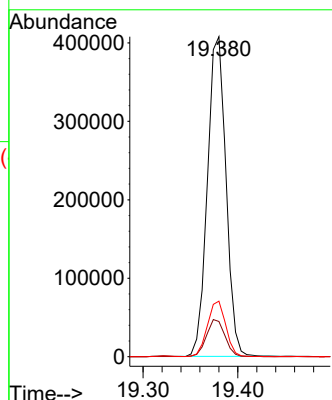
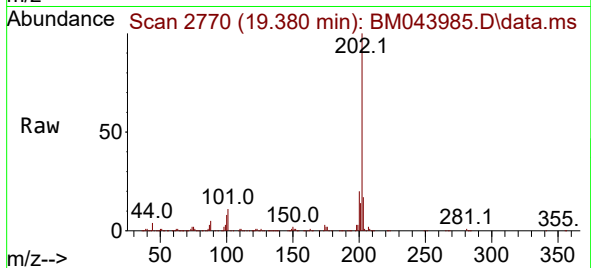
Tgt Ion:202 Resp: 553811

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.9

203 17.3 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3133

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

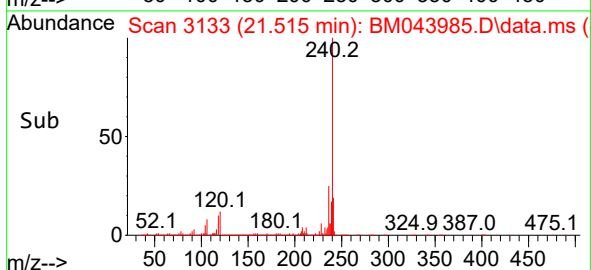
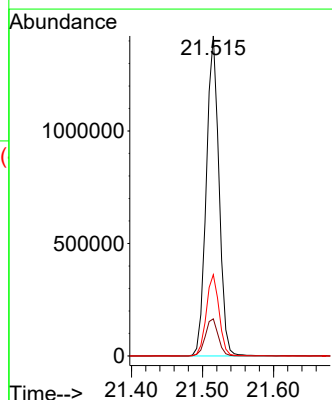
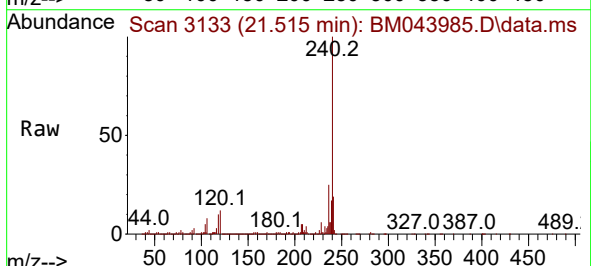
Tgt Ion:240 Resp: 1772110

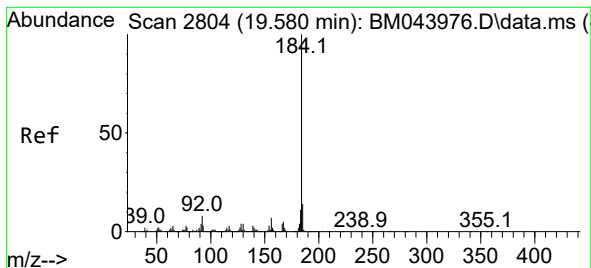
Ion Ratio Lower Upper

240 100

120 11.6 9.3 13.9

236 25.4 20.5 30.7





#77

Benzidine

Concen: 9.021 ng

RT: 19.574 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

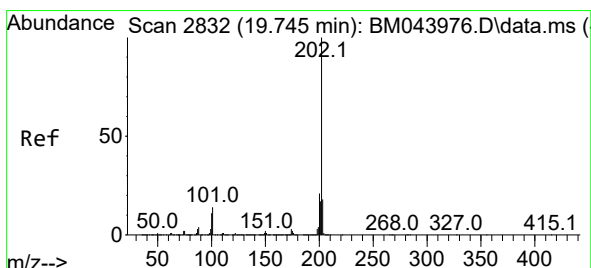
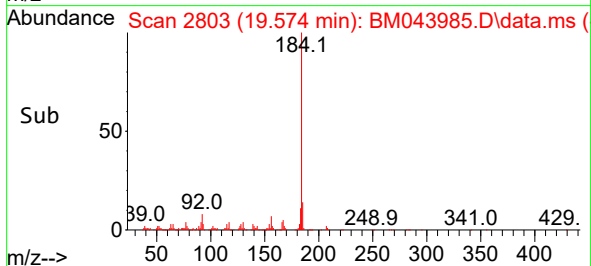
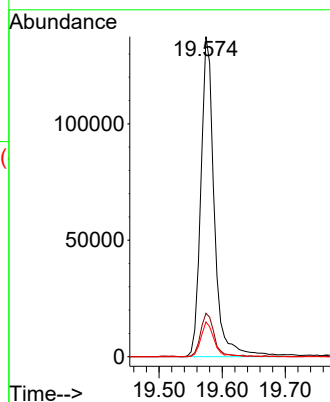
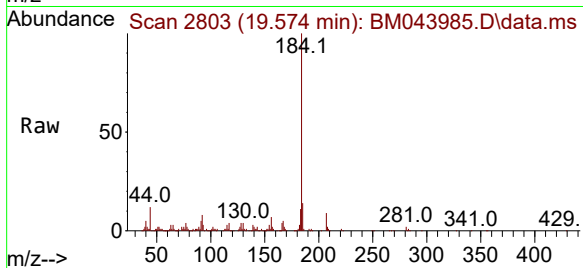
Tgt Ion:184 Resp: 202818

Ion Ratio Lower Upper

184 100

185 13.6 11.5 17.3

183 10.9 8.9 13.3



#78

Pyrene

Concen: 4.870 ng

RT: 19.739 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

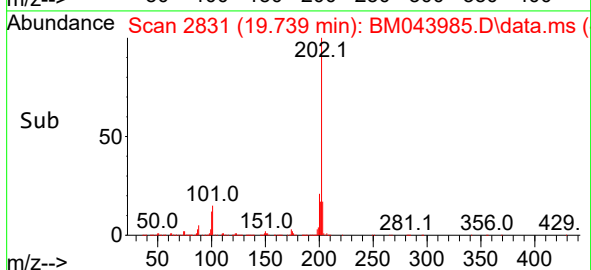
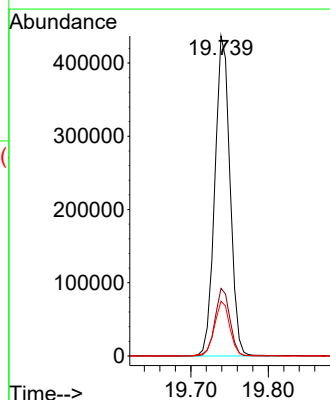
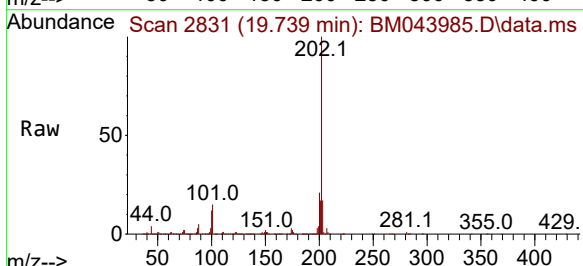
Tgt Ion:202 Resp: 593249

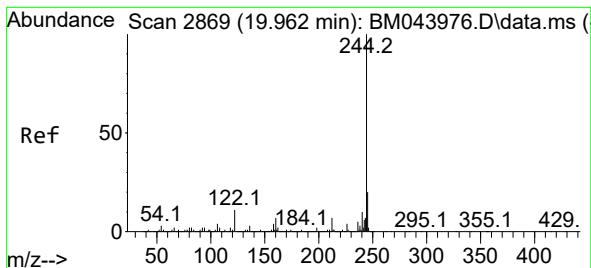
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 17.1 14.2 21.4





#79

Terphenyl-d14

Concen: 99.160 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

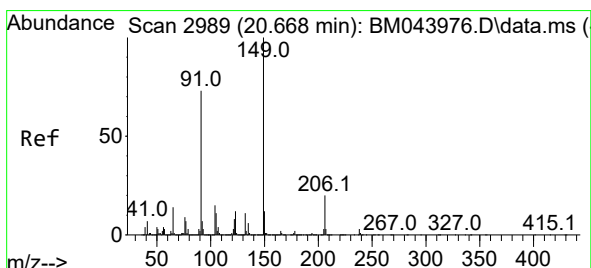
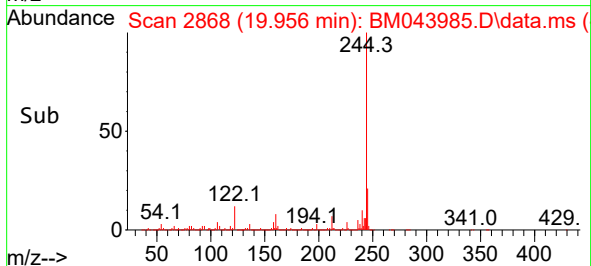
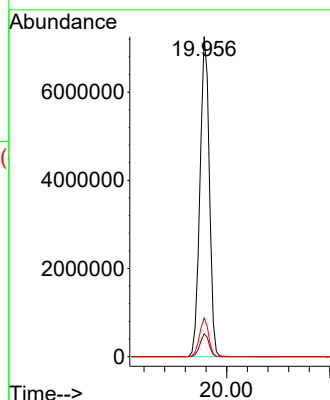
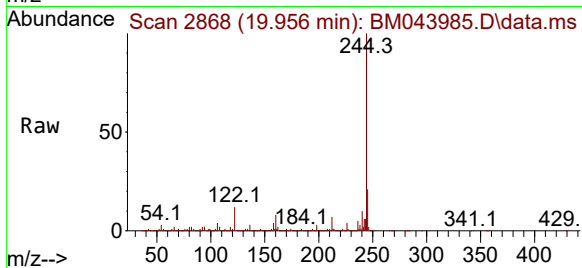
Tgt Ion:244 Resp: 9102832

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 12.1 8.7 13.1



#80

Butylbenzylphthalate

Concen: 4.064 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

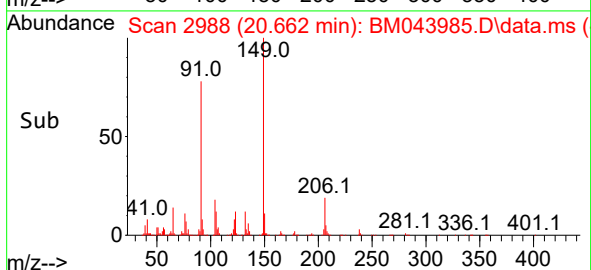
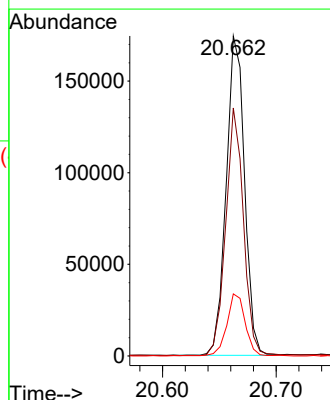
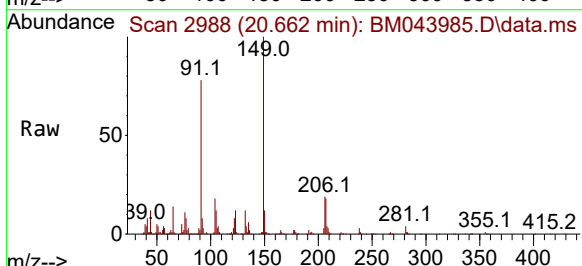
Tgt Ion:149 Resp: 196034

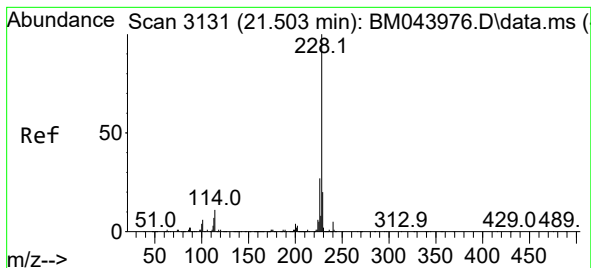
Ion Ratio Lower Upper

149 100

91 77.5 58.4 87.6

206 19.4 15.8 23.6





#81

Benzo(a)anthracene

Concen: 5.028 ng

RT: 21.498 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

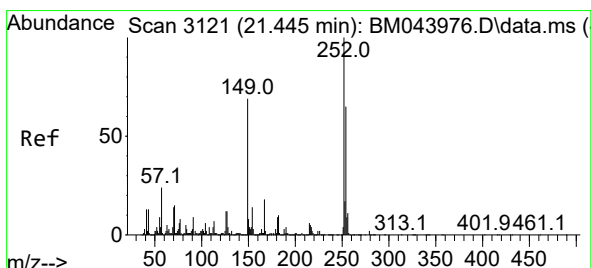
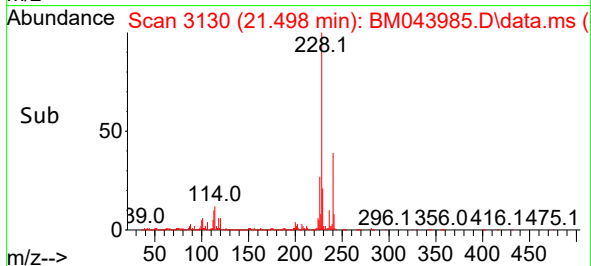
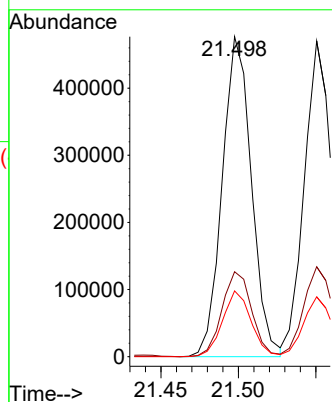
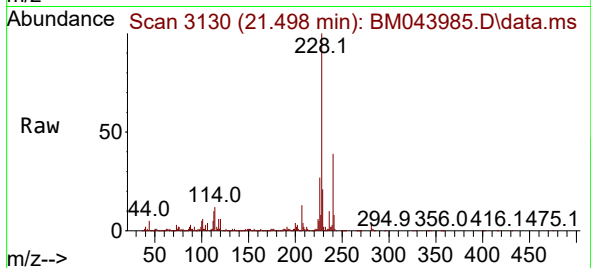
Tgt Ion:228 Resp: 625135

Ion Ratio Lower Upper

228 100

226 26.6 21.8 32.8

229 20.5 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 4.789 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

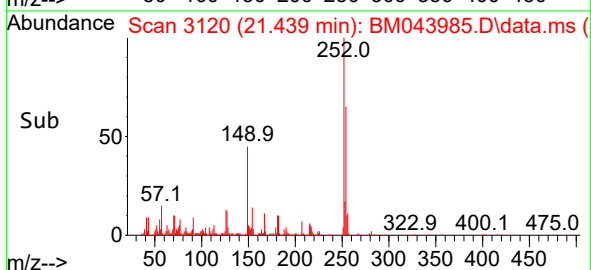
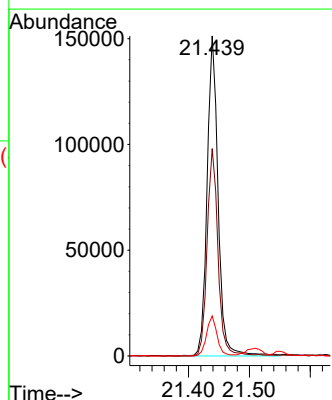
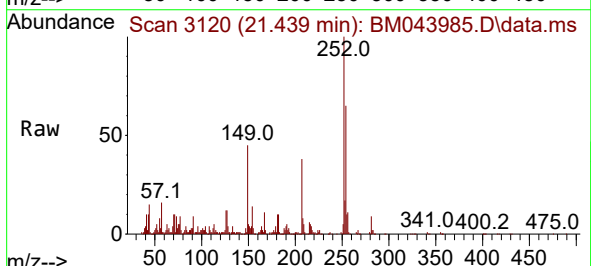
Tgt Ion:252 Resp: 190390

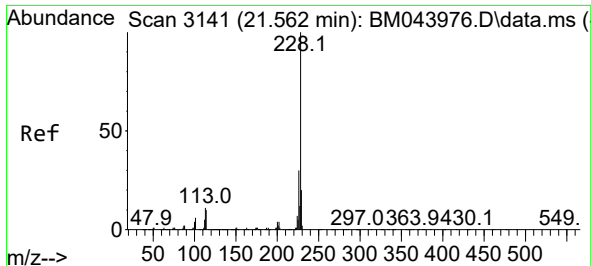
Ion Ratio Lower Upper

252 100

254 64.8 51.6 77.4

126 12.5 9.4 14.2





#83

Chrysene

Concen: 4.953 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

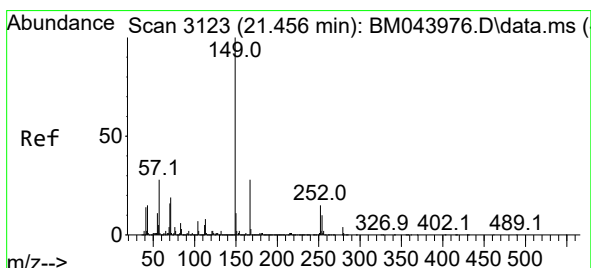
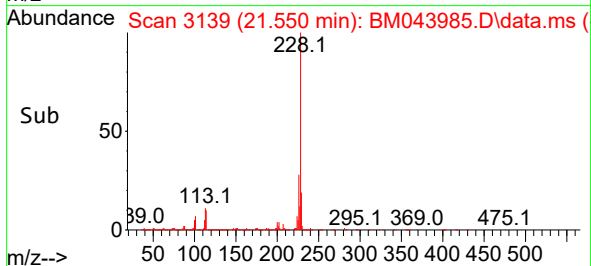
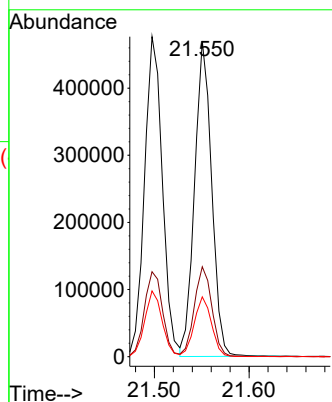
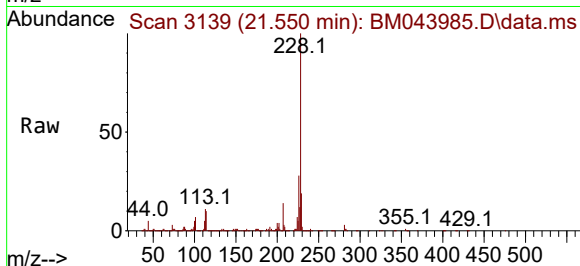
Tgt Ion:228 Resp: 590006

Ion Ratio Lower Upper

228 100

226 28.5 24.2 36.4

229 19.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.179 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

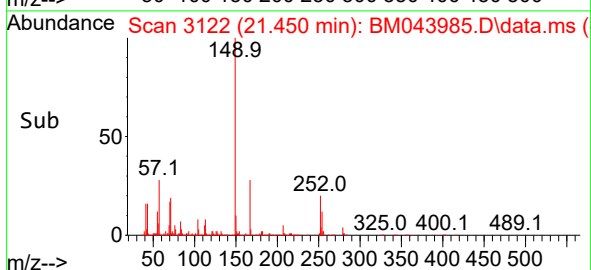
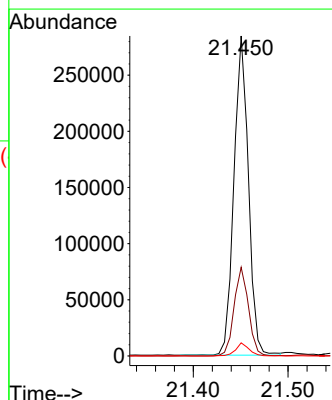
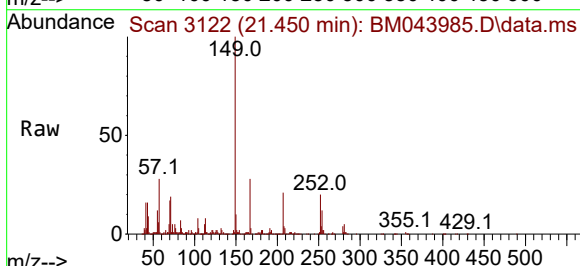
Tgt Ion:149 Resp: 299801

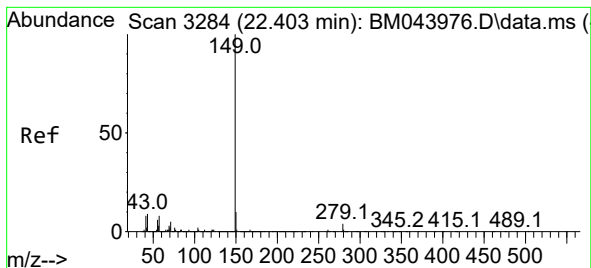
Ion Ratio Lower Upper

149 100

167 27.7 22.0 33.0

279 4.1 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 3.933 ng

RT: 22.392 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

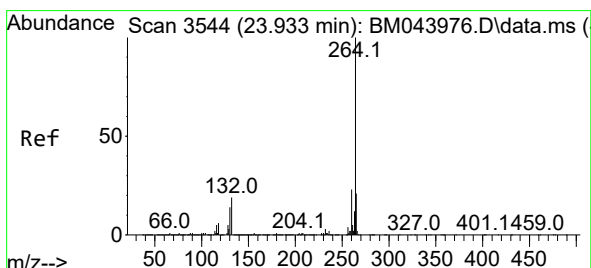
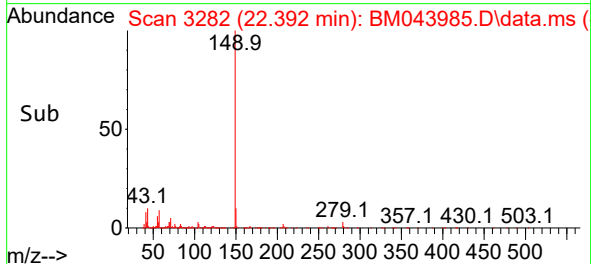
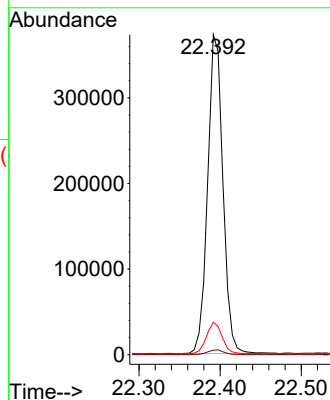
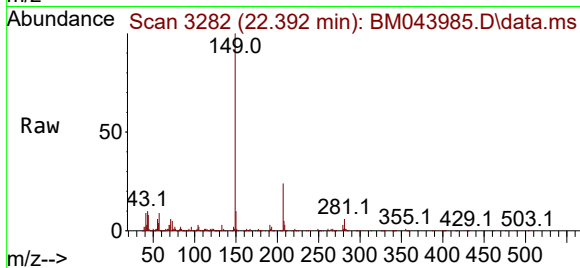
Tgt Ion:149 Resp: 485971

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.1 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3542

Delta R.T. -0.012 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

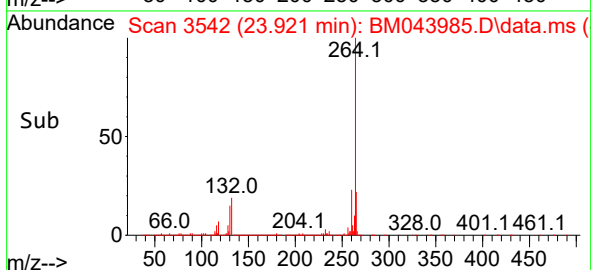
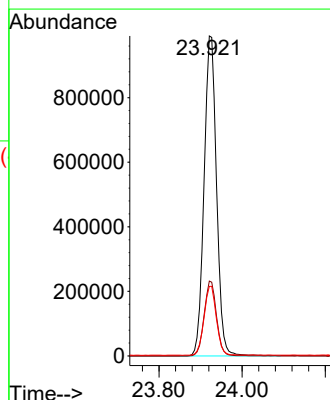
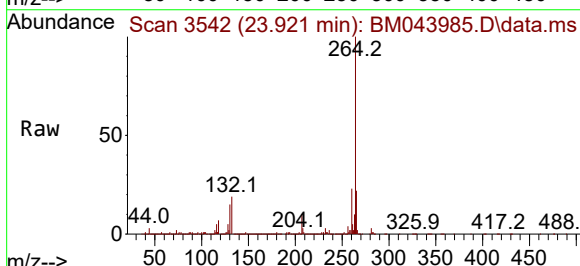
Tgt Ion:264 Resp: 2063649

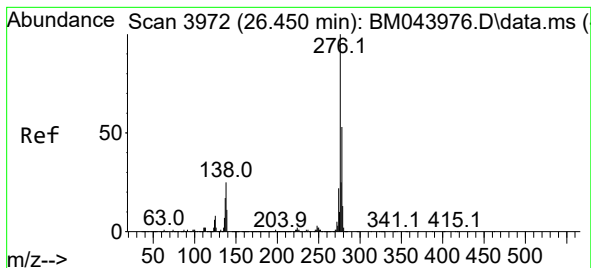
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.458 ng

RT: 26.421 min Scan# 3967

Delta R.T. -0.029 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

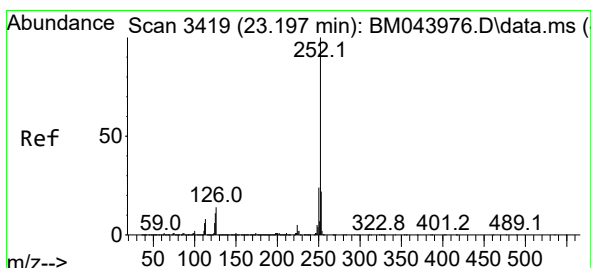
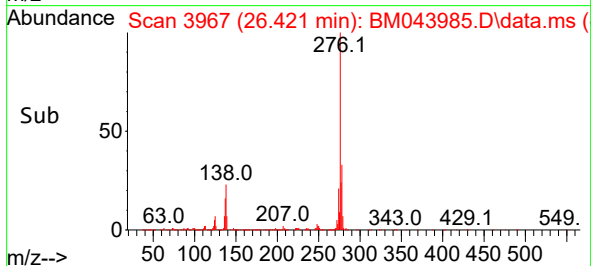
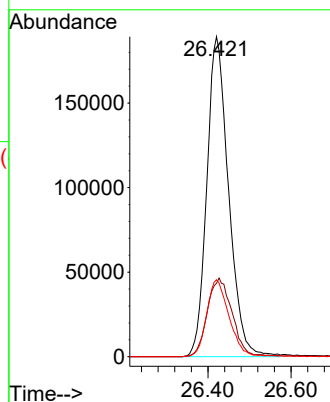
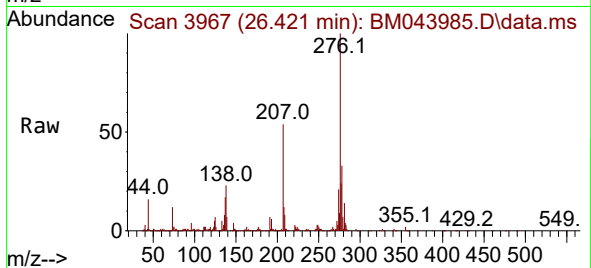
Tgt Ion:276 Resp: 688401

Ion Ratio Lower Upper

276 100

138 28.1 21.8 32.6

277 24.7 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 4.798 ng

RT: 23.192 min Scan# 3418

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

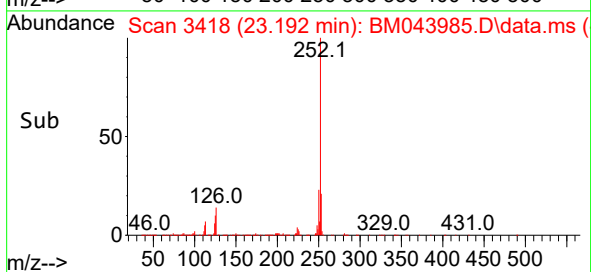
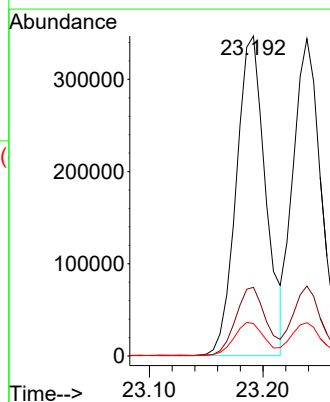
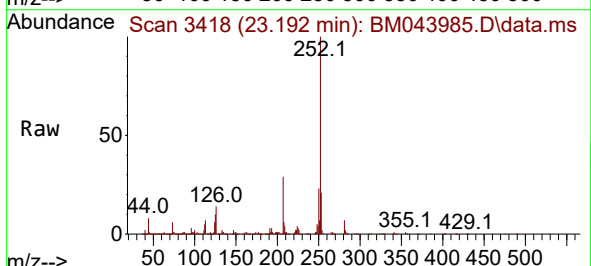
Tgt Ion:252 Resp: 622770

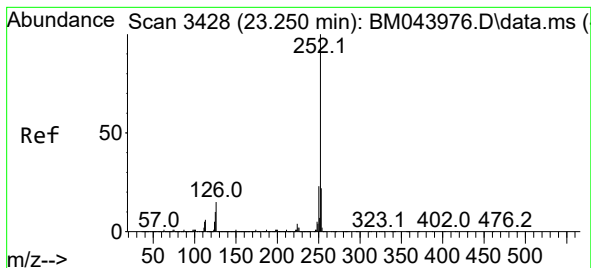
Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 10.1 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 4.715 ng

RT: 23.239 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

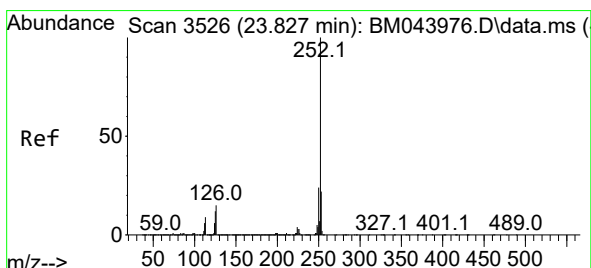
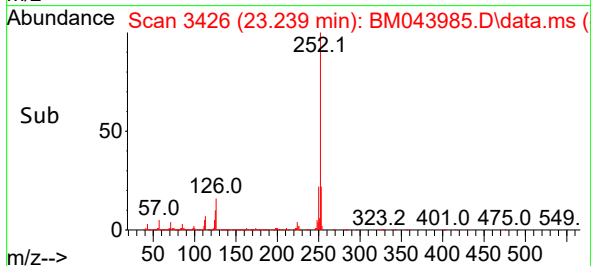
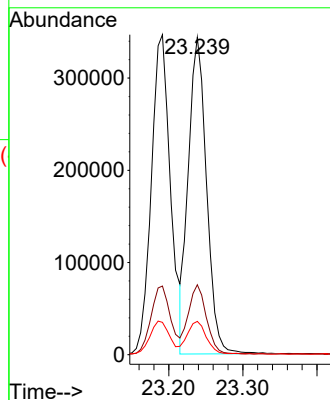
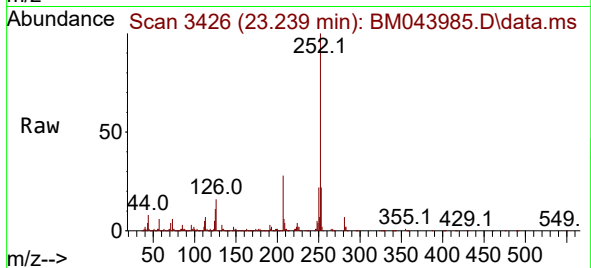
Tgt Ion:252 Resp: 587239

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 10.5 8.3 12.5



#90

Benzo(a)pyrene

Concen: 4.554 ng

RT: 23.815 min Scan# 3524

Delta R.T. -0.012 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

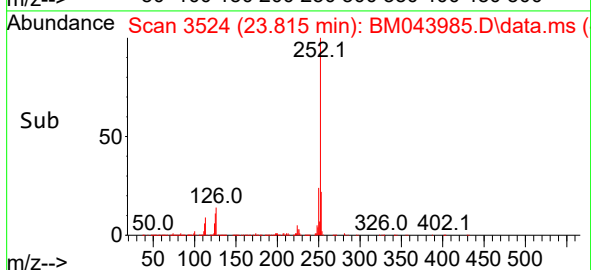
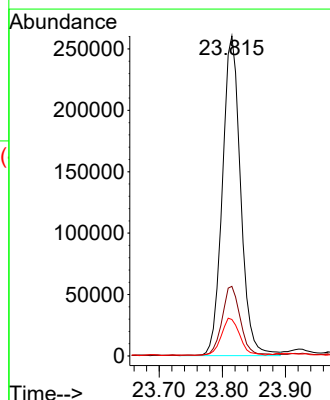
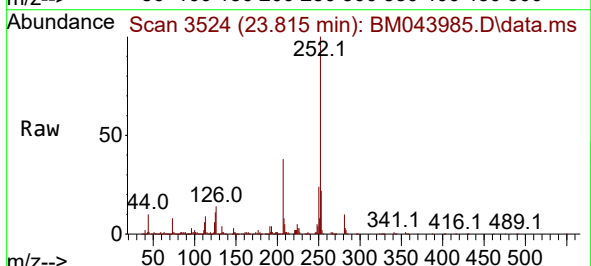
Tgt Ion:252 Resp: 522566

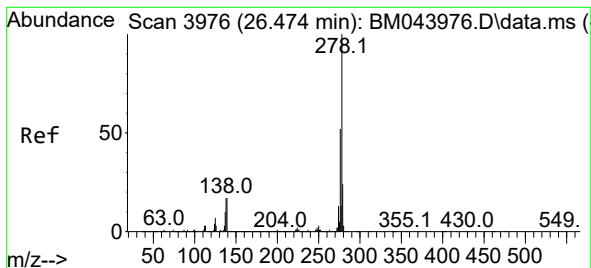
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.4 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 4.513 ng

RT: 26.450 min Scan# 3976

Delta R.T. -0.023 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

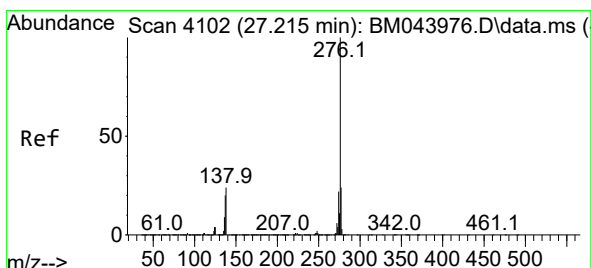
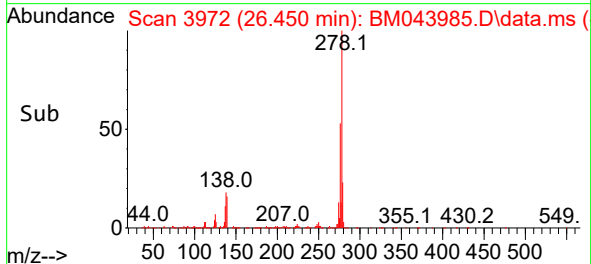
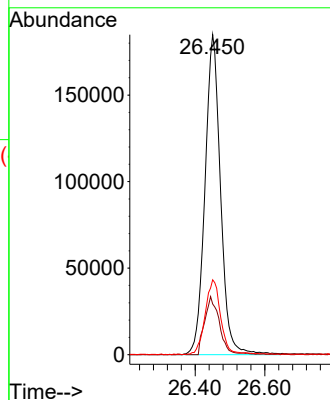
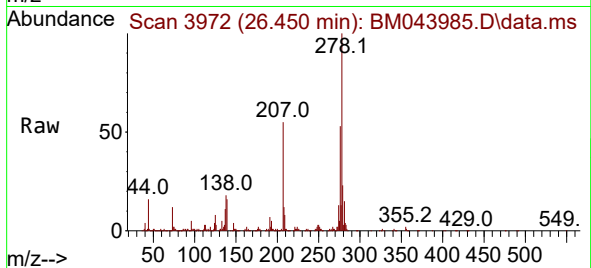
Tgt Ion:278 Resp: 574695

Ion Ratio Lower Upper

278 100

139 15.9 13.7 20.5

279 23.4 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 4.307 ng

RT: 27.185 min Scan# 4097

Delta R.T. -0.029 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Tgt Ion:276 Resp: 559425

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.4

138 22.8 18.8 28.2

