

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM043986.D
 Acq On : 06 Feb 2024 11:30
 Operator : MA/JU
 Sample : 03572-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 07 03:04:35 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	250955	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	1136183	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	701347	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1548528	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1581309	20.000	ng	0.00
86) Perylene-d12	23.927	264	1845631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	2442898	143.751	ng	0.00
7) Phenol-d6	7.087	99	3404805	135.602	ng	0.00
23) Nitrobenzene-d5	9.092	82	1982810	84.126	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1254341	146.718	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	4369694	85.611	ng	0.00
79) Terphenyl-d14	19.956	244	7541615	92.066	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	77733	11.836	ng	99
3) Pyridine	3.793	79	191800	9.596	ng	97
4) n-Nitrosodimethylamine	3.716	42	90796	10.567	ng	# 98
6) Aniline	7.251	93	288474	11.547	ng	98
8) 2-Chlorophenol	7.481	128	181628	9.626	ng	99
9) Benzaldehyde	7.069	77	185871	12.966	ng	98
10) Phenol	7.110	94	255454	10.232	ng	95
11) bis(2-Chloroethyl)ether	7.357	93	204987	10.476	ng	96
12) 1,3-Dichlorobenzene	7.804	146	204833	10.055	ng	99
13) 1,4-Dichlorobenzene	7.957	146	207438	10.069	ng	99
14) 1,2-Dichlorobenzene	8.269	146	204493	10.065	ng	98
15) Benzyl Alcohol	8.169	79	176686	10.266	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.457	45	274008	10.443	ng	97
17) 2-Methylphenol	8.369	107	154636	9.690	ng	98
18) Hexachloroethane	8.992	117	77414	10.014	ng	97
19) n-Nitroso-di-n-propyla...	8.734	70	165768	10.033	ng	99
20) 3+4-Methylphenols	8.692	107	212572	9.437	ng	97
22) Acetophenone	8.751	105	328758	10.679	ng	# 97
24) Nitrobenzene	9.134	77	245639	10.387	ng	97
25) Isophorone	9.657	82	434996	9.914	ng	98
26) 2-Nitrophenol	9.839	139	85120	8.906	ng	97
27) 2,4-Dimethylphenol	9.904	122	143904	10.965	ng	99
28) bis(2-Chloroethoxy)met...	10.151	93	278162	10.381	ng	99
29) 2,4-Dichlorophenol	10.369	162	159856	9.550	ng	99
30) 1,2,4-Trichlorobenzene	10.586	180	191441	10.126	ng	99
31) Naphthalene	10.775	128	645006	10.185	ng	98
32) Benzoic acid	9.969	122	81725	11.551	ng	92
33) 4-Chloroaniline	10.892	127	277122	10.646	ng	98
34) Hexachlorobutadiene	11.051	225	100413	9.738	ng	99
35) Caprolactam	11.663	113	59006	8.596	ng	90
36) 4-Chloro-3-methylphenol	12.016	107	190546	9.296	ng	99
37) 2-Methylnaphthalene	12.386	142	436001	9.872	ng	99
38) 1-Methylnaphthalene	12.604	142	432248	9.804	ng	99
40) 1,2,4,5-Tetrachloroben...	12.751	216	213558	10.736	ng	100
41) Hexachlorocyclopentadiene	12.722	237	83592	12.777	ng	98
43) 2,4,6-Trichlorophenol	12.998	196	125112	9.307	ng	94

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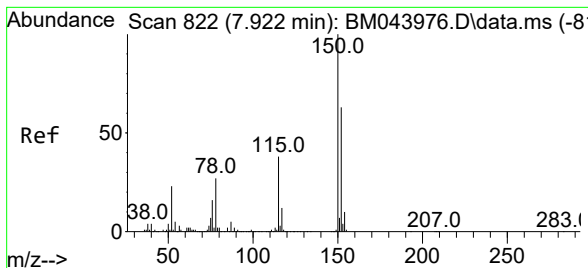
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	145401	9.481	ng	98
46) 1,1'-Biphenyl	13.404	154	582131	10.555	ng	100
47) 2-Chloronaphthalene	13.439	162	448247	10.191	ng	99
48) 2-Nitroaniline	13.651	65	132742	9.279	ng	95
49) Acenaphthylene	14.286	152	740450	11.013	ng	100
50) Dimethylphthalate	14.033	163	562394	10.323	ng	99
51) 2,6-Dinitrotoluene	14.151	165	110365	9.216	ng	93
52) Acenaphthene	14.627	154	432057	10.137	ng	99
53) 3-Nitroaniline	14.480	138	130762	9.406	ng	94
54) 2,4-Dinitrophenol	14.686	184	40489	12.369	ng	96
55) Dibenzofuran	14.963	168	700323	10.558	ng	99
56) 4-Nitrophenol	14.780	139	109908	9.047	ng	99
57) 2,4-Dinitrotoluene	14.939	165	146487	8.788	ng	100
58) Fluorene	15.616	166	566303	10.110	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.186	232	133010	10.060	ng	98
60) Diethylphthalate	15.398	149	554800	9.838	ng	99
61) 4-Chlorophenyl-phenyle...	15.616	204	265983	10.178	ng	99
62) 4-Nitroaniline	15.639	138	138292	9.098	ng	99
63) Azobenzene	15.910	77	573257	10.177	ng	98
65) 4,6-Dinitro-2-methylph...	15.692	198	60960	11.746	ng	93
66) n-Nitrosodiphenylamine	15.833	169	478610	10.376	ng	100
67) 4-Bromophenyl-phenylether	16.515	248	145762	9.555	ng	99
68) Hexachlorobenzene	16.610	284	180385	9.918	ng	98
69) Atrazine	16.792	200	155126	12.156	ng	98
70) Pentachlorophenol	16.957	266	95003	7.955	ng	98
71) Phenanthrene	17.357	178	912672	10.582	ng	100
72) Anthracene	17.451	178	878964	10.409	ng	99
73) Carbazole	17.727	167	860231	9.836	ng	99
74) Di-n-butylphthalate	18.304	149	904046	9.426	ng	100
75) Fluoranthene	19.380	202	1031078	9.667	ng	99
77) Benzidine	19.580	184	450410	22.450	ng	99
78) Pyrene	19.745	202	1114642	10.254	ng	98
80) Butylbenzylphthalate	20.668	149	392481	9.119	ng	98
81) Benzo(a)anthracene	21.503	228	1159636	10.453	ng	99
82) 3,3'-Dichlorobenzidine	21.445	252	377432	10.640	ng	98
83) Chrysene	21.556	228	1078248	10.145	ng	99
84) Bis(2-ethylhexyl)phtha...	21.450	149	595887	9.309	ng	99
85) Di-n-octyl phthalate	22.397	149	964883	8.750	ng	99
87) Indeno(1,2,3-cd)pyrene	26.427	276	1369467	9.916	ng	100
88) Benzo(b)fluoranthene	23.192	252	1140759	9.826	ng	99
89) Benzo(k)fluoranthene	23.244	252	1138185	10.219	ng	100
90) Benzo(a)pyrene	23.821	252	1008425	9.827	ng	99
91) Dibenzo(a,h)anthracene	26.456	278	1133538	9.953	ng	99
92) Benzo(g,h,i)perylene	27.191	276	1116756	9.613	ng	98

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

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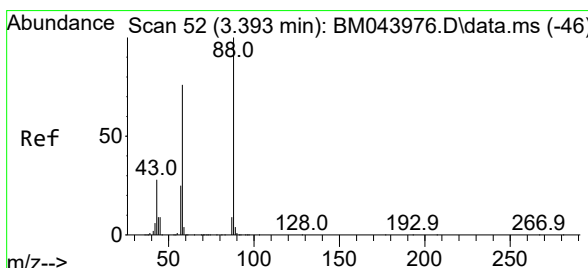
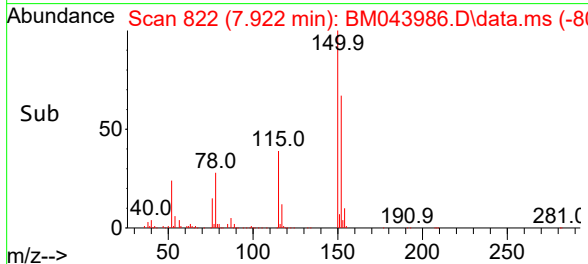
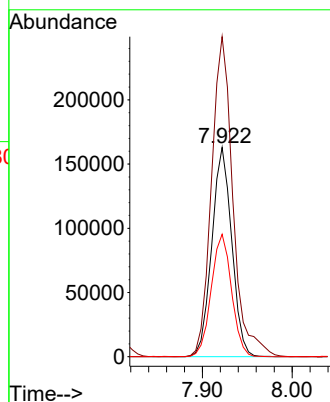
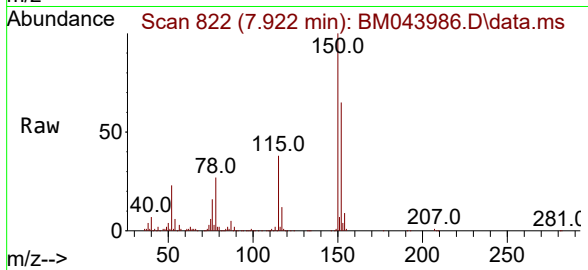




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM043986.D
 Acq: 06 Feb 2024 11:30

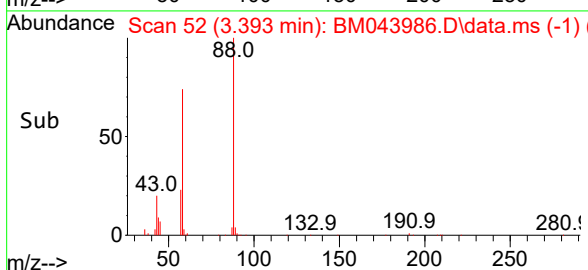
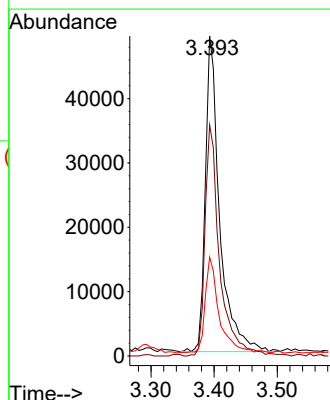
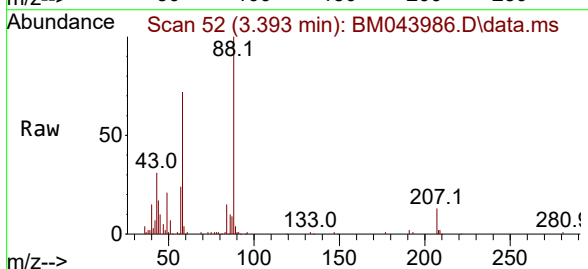
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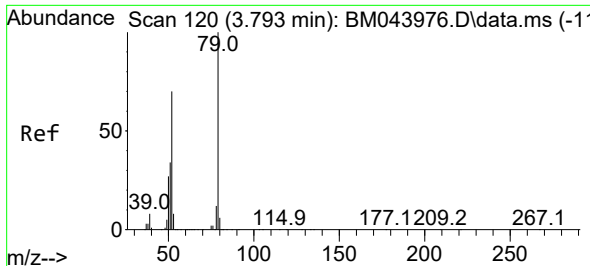
Tgt Ion:152 Resp: 250955
 Ion Ratio Lower Upper
 152 100
 150 152.9 126.1 189.1
 115 58.5 48.2 72.2



#2
 1,4-Dioxane
 Concen: 11.836 ng
 RT: 3.393 min Scan# 52
 Delta R.T. 0.000 min
 Lab File: BM043986.D
 Acq: 06 Feb 2024 11:30

Tgt Ion: 88 Resp: 77733
 Ion Ratio Lower Upper
 88 100
 58 74.6 61.0 91.6
 43 28.7 23.0 34.6

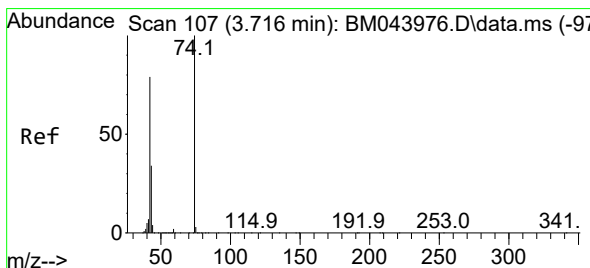
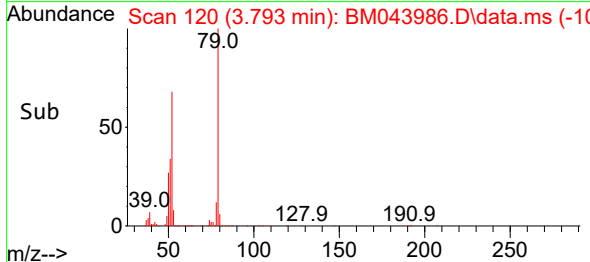
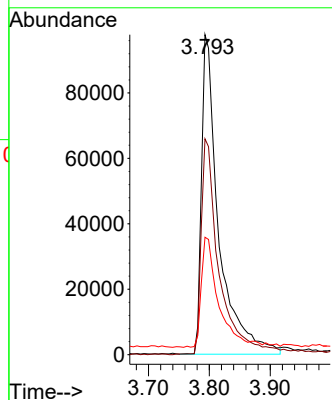
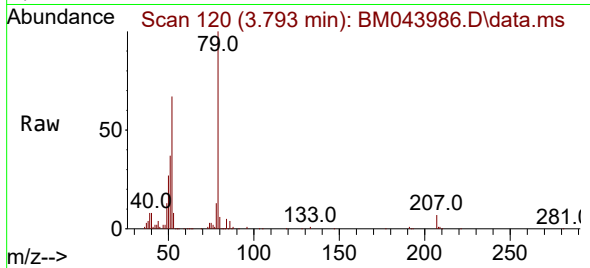




#3
Pyridine
Concen: 9.596 ng
RT: 3.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

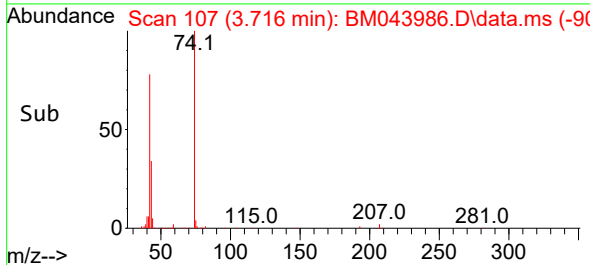
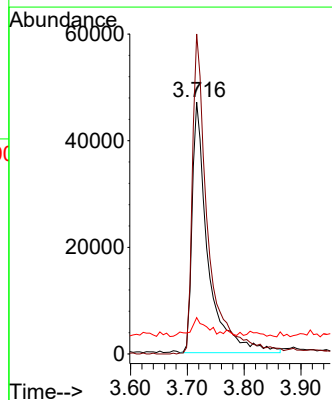
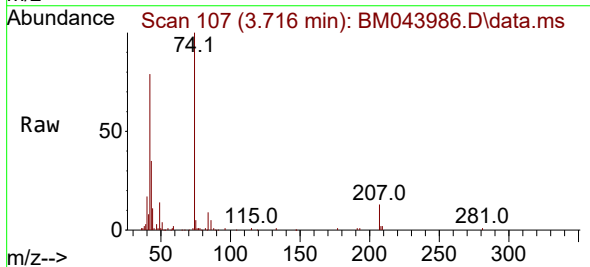
Instrument :
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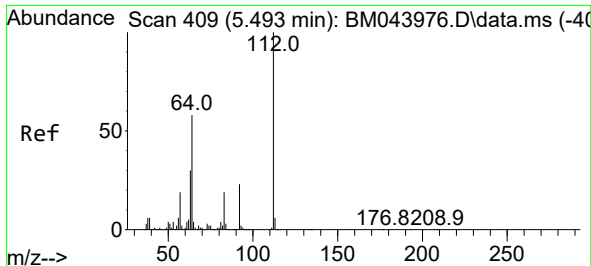
Tgt Ion: 79 Resp: 191800
Ion Ratio Lower Upper
79 100
52 67.5 55.9 83.9
51 36.7 28.2 42.2



#4
n-Nitrosodimethylamine
Concen: 10.567 ng
RT: 3.716 min Scan# 107
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion: 42 Resp: 90796
Ion Ratio Lower Upper
42 100
74 127.0 100.7 151.1
44 14.4 7.3 10.9#

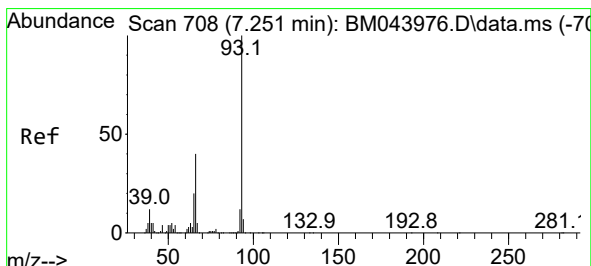
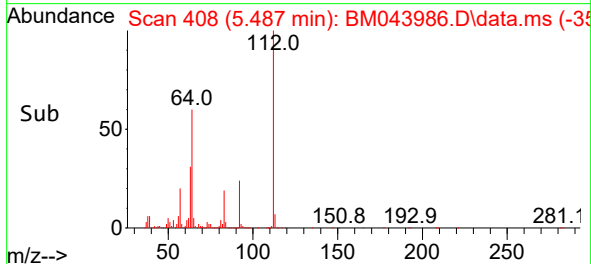
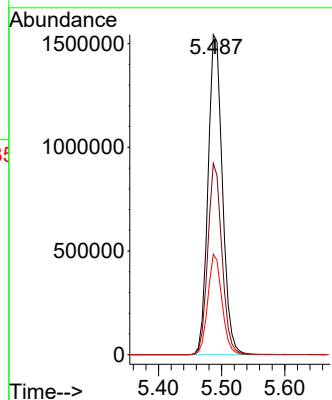
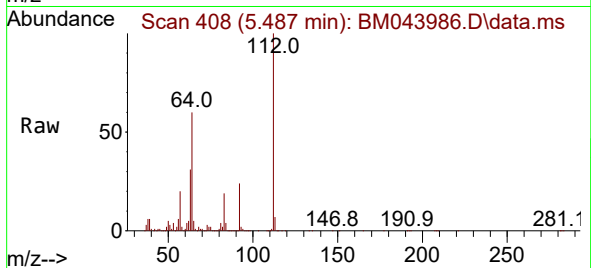




#5
2-Fluorophenol
Concen: 143.751 ng
RT: 5.487 min Scan# 409
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

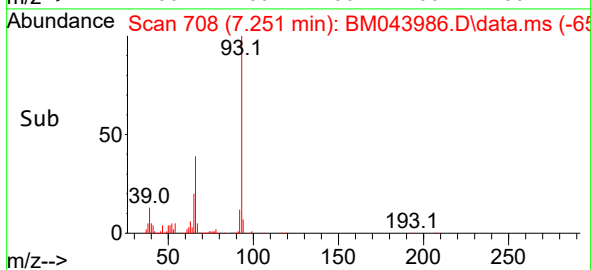
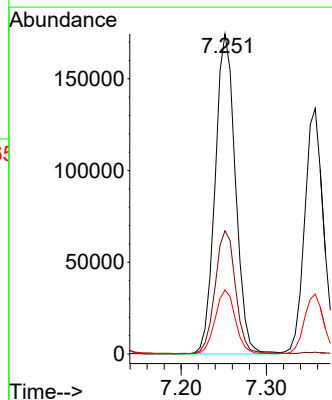
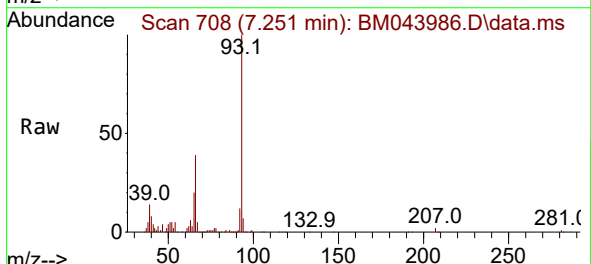
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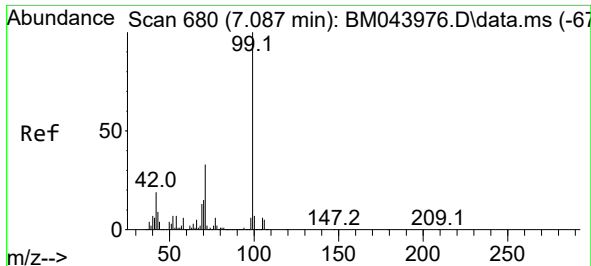
Tgt Ion:112 Resp: 2442898
Ion Ratio Lower Upper
112 100
64 59.8 46.6 70.0
63 31.4 24.2 36.4



#6
Aniline
Concen: 11.547 ng
RT: 7.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion: 93 Resp: 288474
Ion Ratio Lower Upper
93 100
66 38.5 32.2 48.2
65 20.0 15.8 23.8

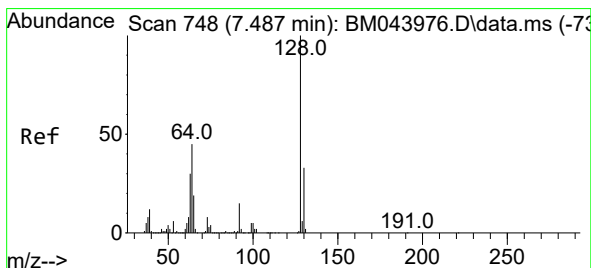
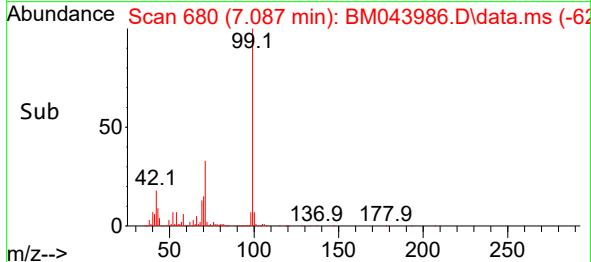
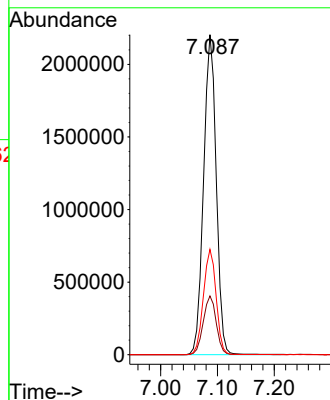
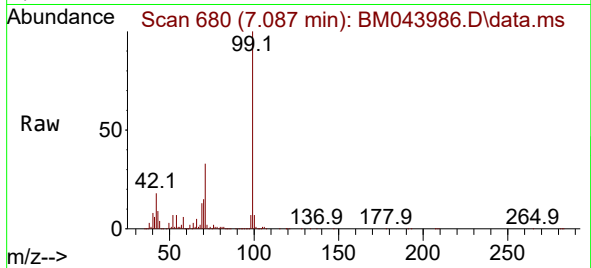




#7
Phenol-d6
Concen: 135.602 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

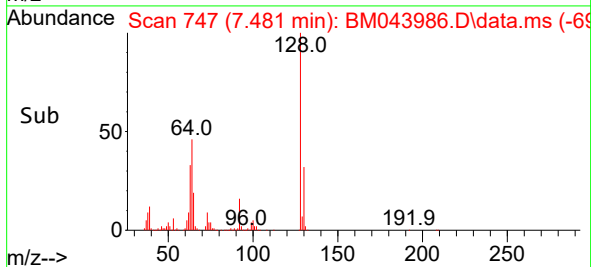
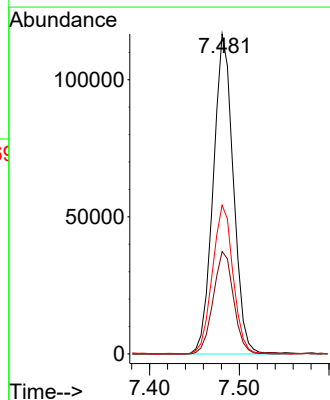
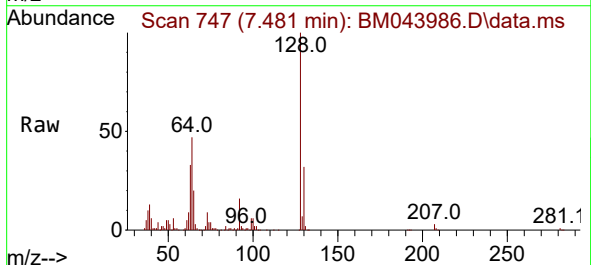
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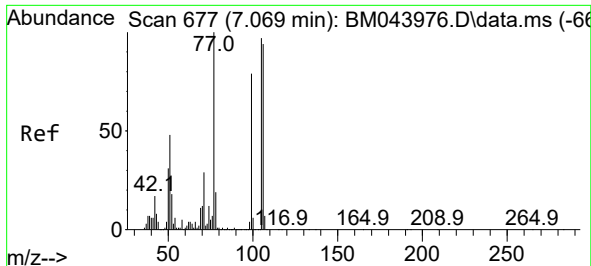
Tgt Ion: 99 Resp: 3404805
Ion Ratio Lower Upper
99 100
42 18.4 14.9 22.3
71 32.9 26.3 39.5



#8
2-Chlorophenol
Concen: 9.626 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:128 Resp: 181628
Ion Ratio Lower Upper
128 100
130 32.0 12.9 52.9
64 46.5 25.6 65.6

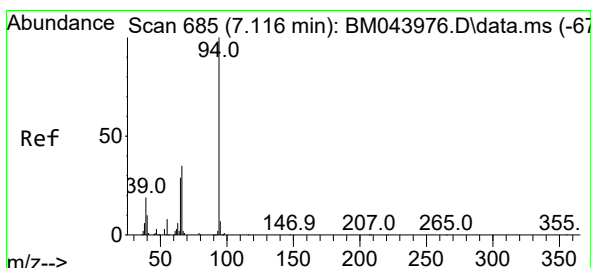
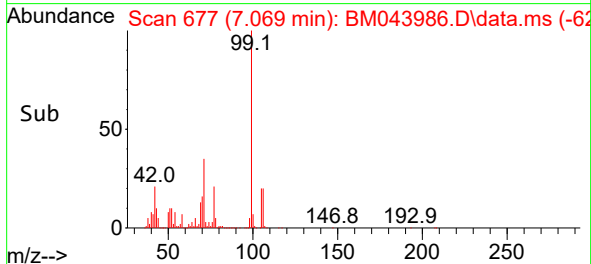
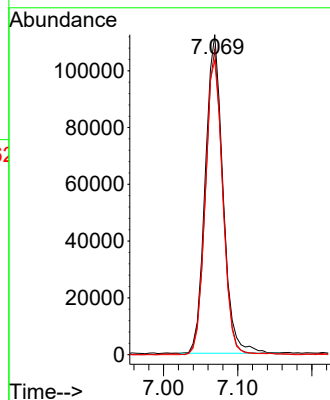
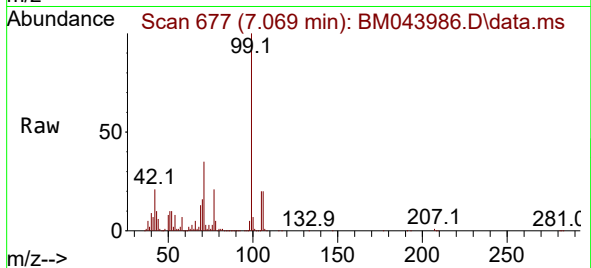




#9
Benzaldehyde
Concen: 12.966 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

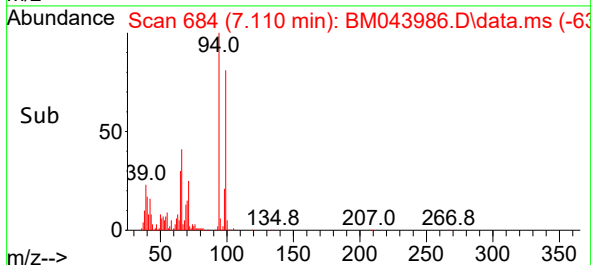
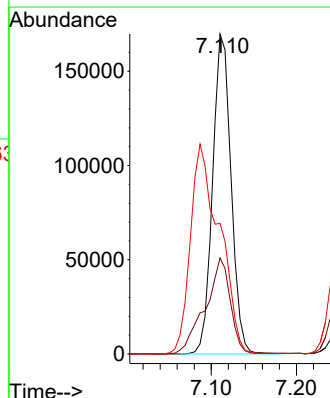
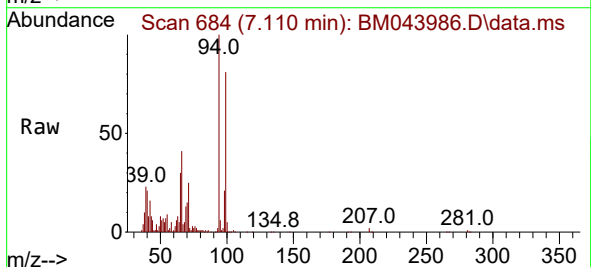
Instrument :
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ClientSampleId :
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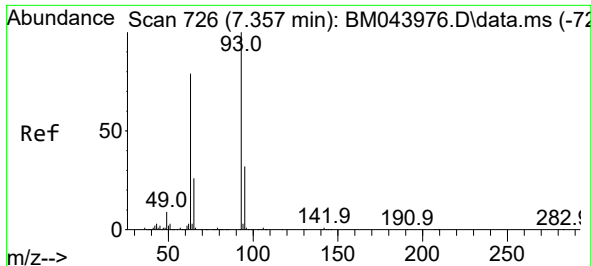
Tgt Ion: 77 Resp: 185871
Ion Ratio Lower Upper
77 100
105 95.3 77.4 117.4
106 92.0 73.5 113.5



#10
Phenol
Concen: 10.232 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion: 94 Resp: 255454
Ion Ratio Lower Upper
94 100
65 30.0 9.3 49.3
66 40.8 15.7 55.7

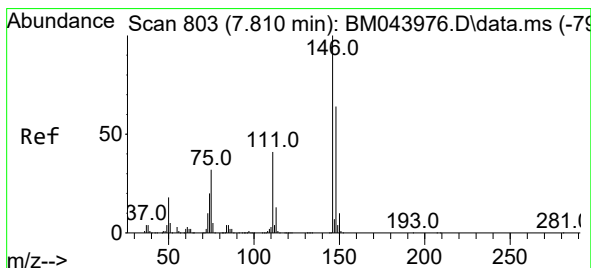
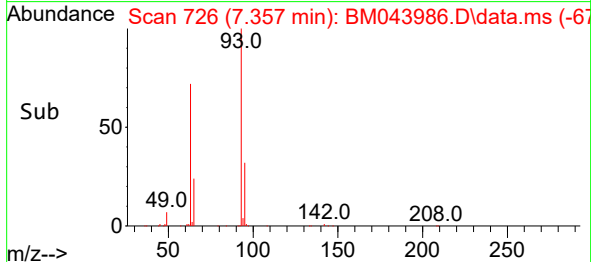
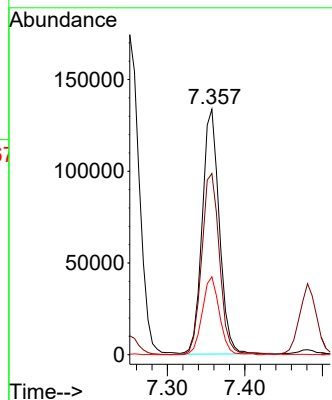
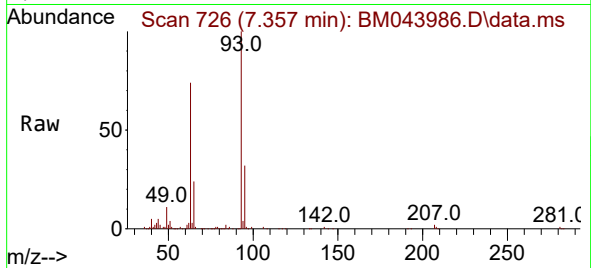




#11
bis(2-Chloroethyl)ether
Concen: 10.476 ng
RT: 7.357 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

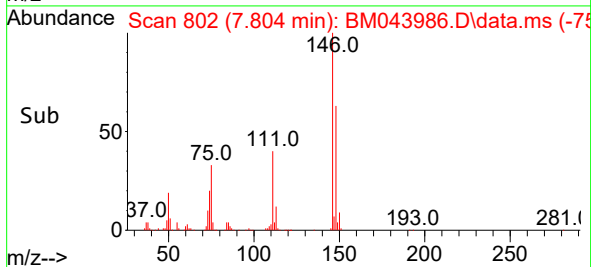
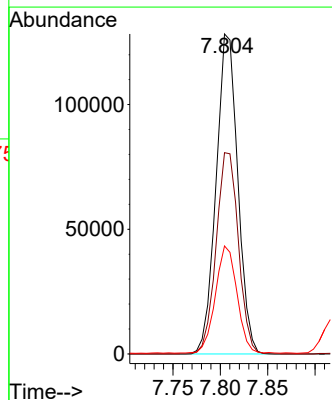
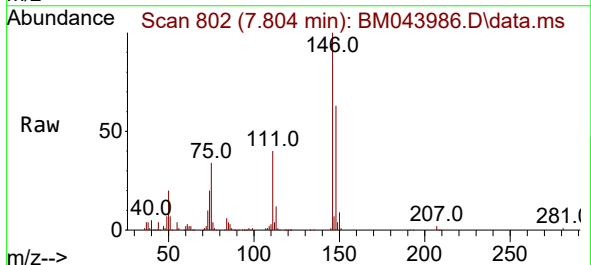
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

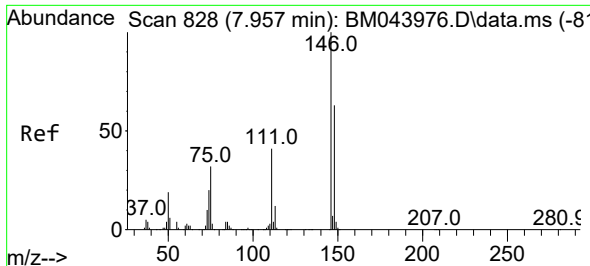
Tgt Ion: 93 Resp: 204987
Ion Ratio Lower Upper
93 100
63 73.8 59.0 99.0
95 31.8 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 10.055 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion: 146 Resp: 204833
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.6
75 33.7 26.1 39.1

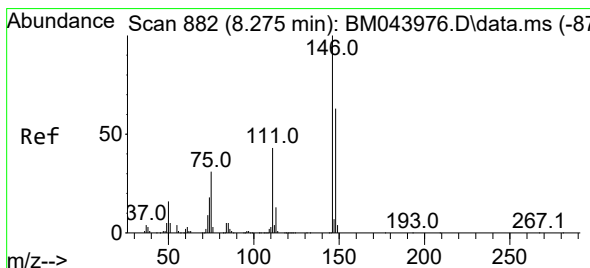
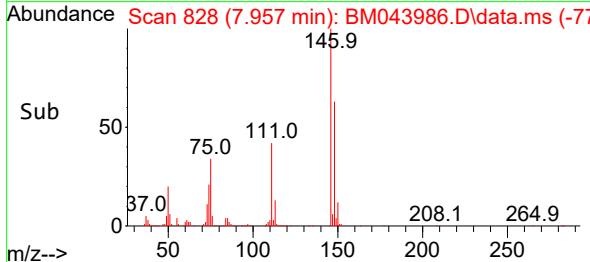
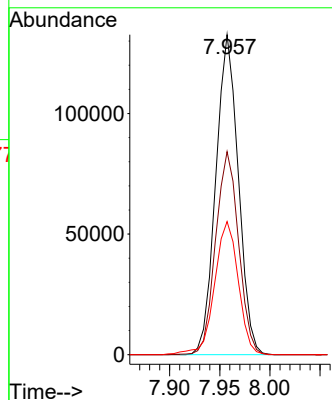
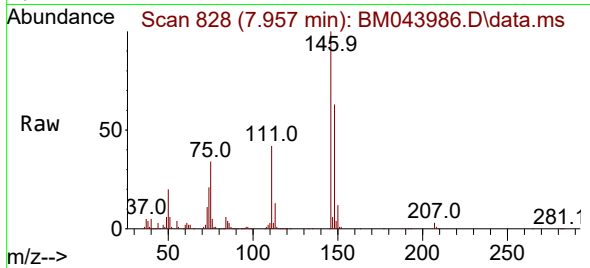




#13
1,4-Dichlorobenzene
Concen: 10.069 ng
RT: 7.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

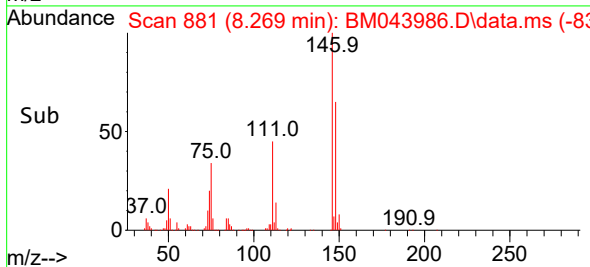
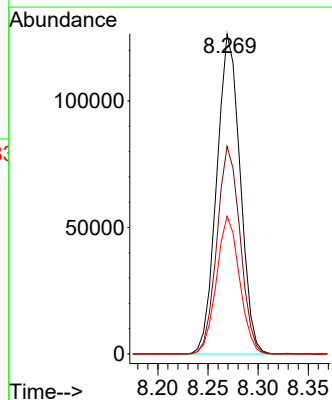
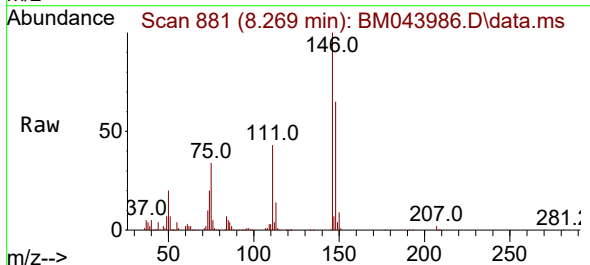
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

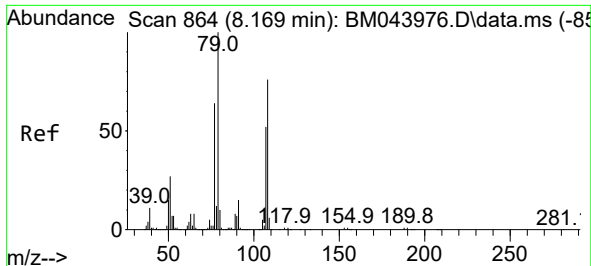
Tgt Ion:146 Resp: 207438
Ion Ratio Lower Upper
146 100
148 63.4 50.7 76.1
111 41.6 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 10.065 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:146 Resp: 204493
Ion Ratio Lower Upper
146 100
148 64.9 50.3 75.5
111 43.0 34.3 51.5

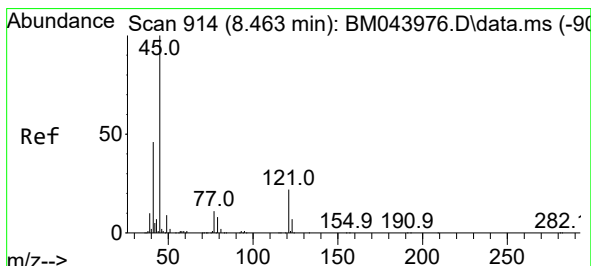
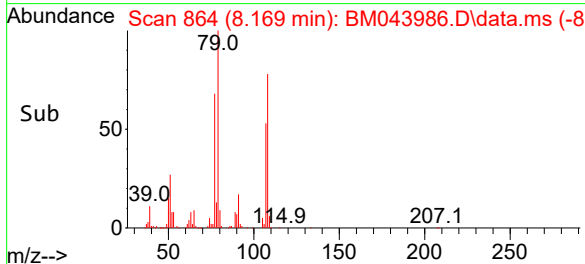
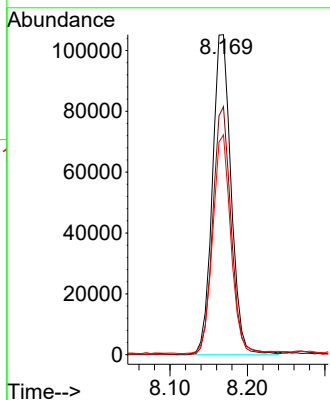
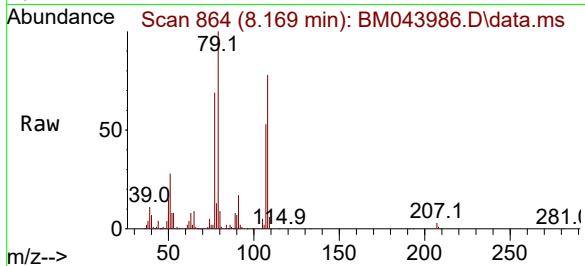




#15
Benzyl Alcohol
Concen: 10.266 ng
RT: 8.169 min Scan# 864
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

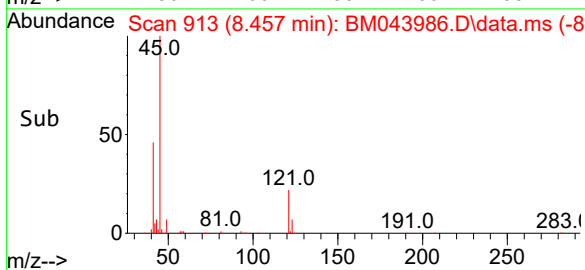
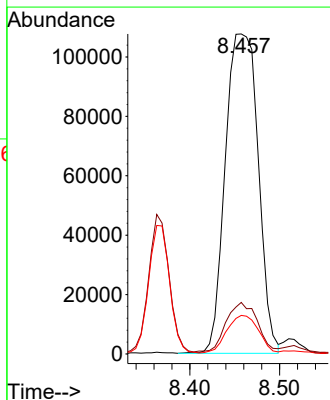
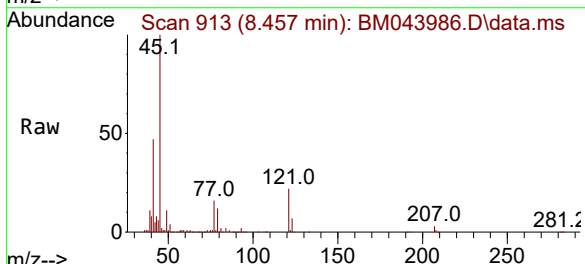
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

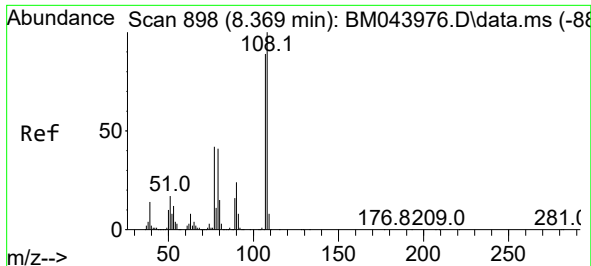
Tgt Ion: 79 Resp: 176686
Ion Ratio Lower Upper
79 100
108 77.5 60.7 91.1
77 68.7 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.443 ng
RT: 8.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion: 45 Resp: 274008
Ion Ratio Lower Upper
45 100
77 16.1 0.0 34.4
79 12.1 0.0 31.2

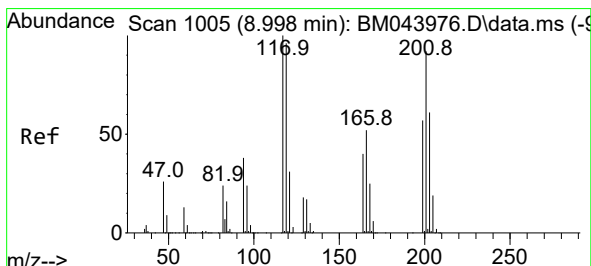
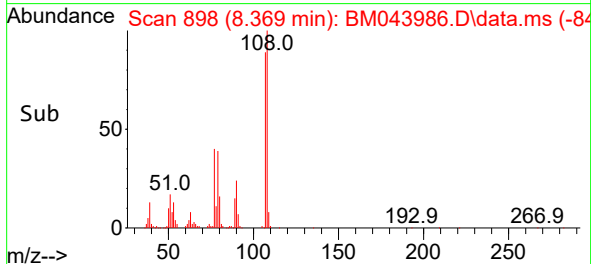
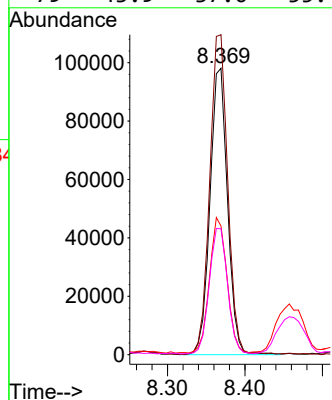
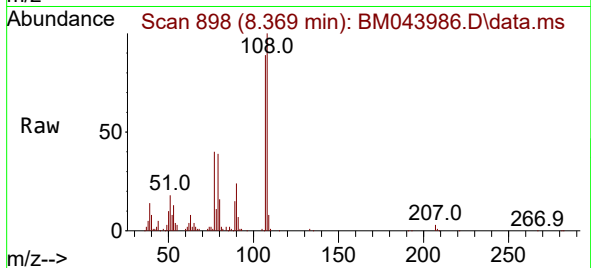




#17
2-Methylphenol
Concen: 9.690 ng
RT: 8.369 min Scan# 898
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

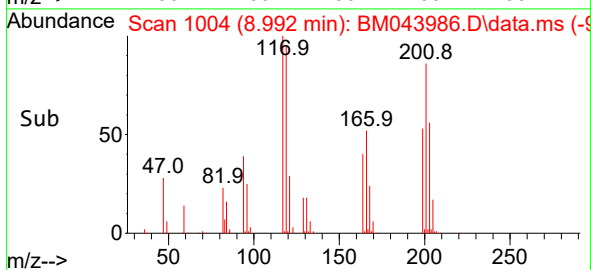
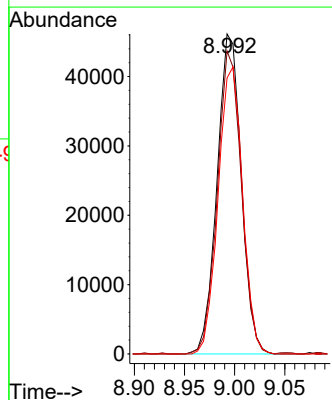
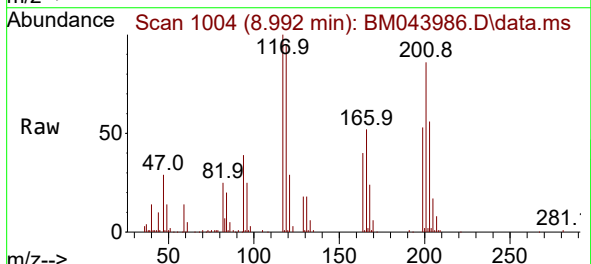
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

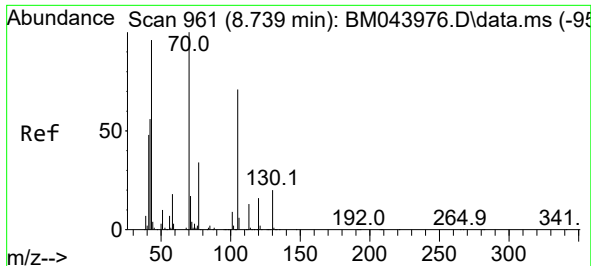
Tgt Ion:	107	Resp:	154636
Ion Ratio	Lower	Upper	
107	100		
108	111.7	90.4	135.6
77	44.9	38.0	57.0
79	43.9	37.0	55.4



#18
Hexachloroethane
Concen: 10.014 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:	117	Resp:	77414
Ion Ratio	Lower	Upper	
117	100		
119	94.7	76.7	115.1
201	86.3	73.4	110.2



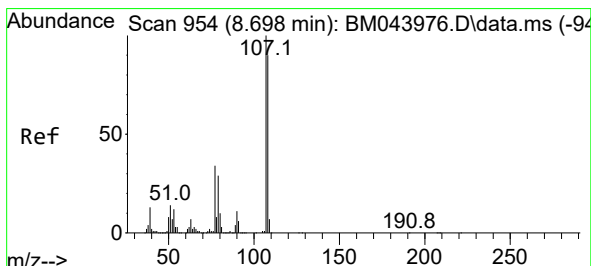
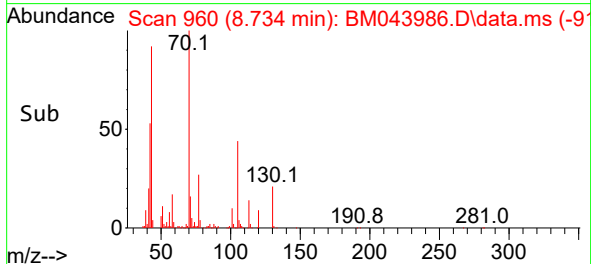
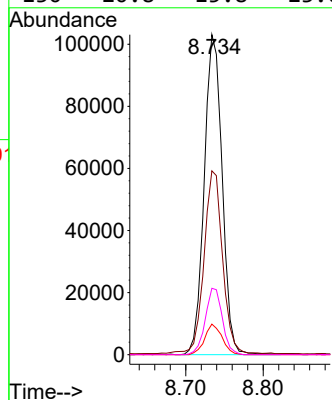
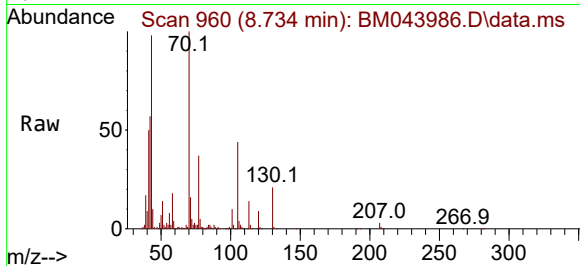


#19
n-Nitroso-di-n-propylamine
Concen: 10.033 ng
RT: 8.734 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

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

Tgt Ion: 70 Resp: 165768

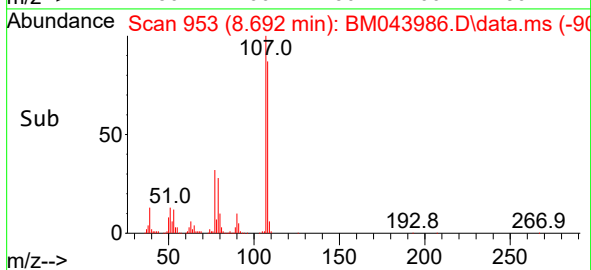
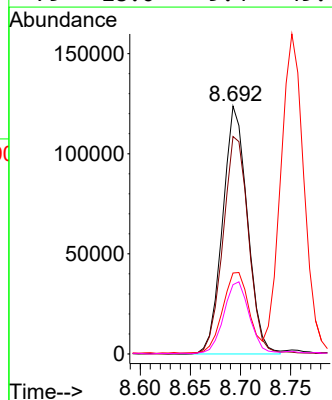
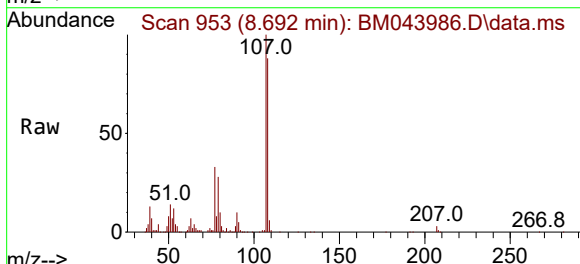
Ion	Ratio	Lower	Upper
70	100		
42	57.4	45.6	68.4
101	9.6	7.5	11.3
130	20.8	15.8	23.6

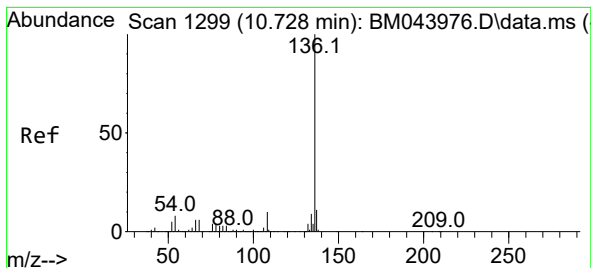


#20
3+4-Methylphenols
Concen: 9.437 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion: 107 Resp: 212572

Ion	Ratio	Lower	Upper
107	100		
108	87.7	70.3	110.3
77	32.7	14.0	54.0
79	28.0	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: BM043986.D

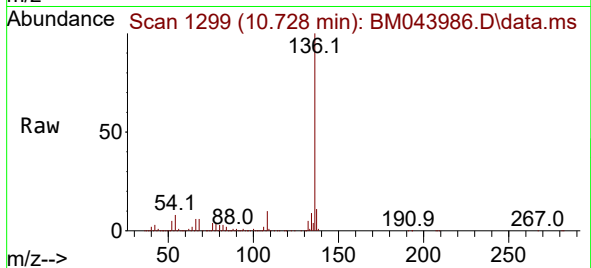
Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion:136 Resp: 1136183

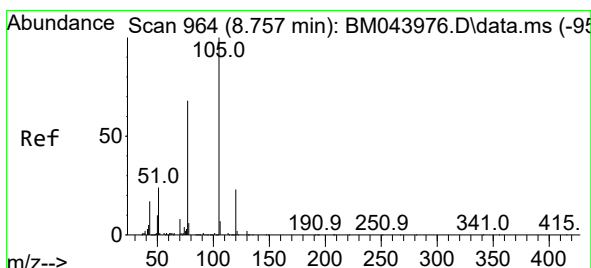
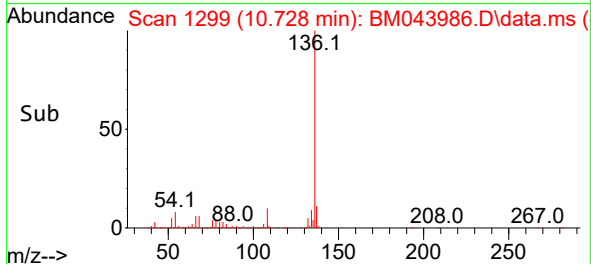
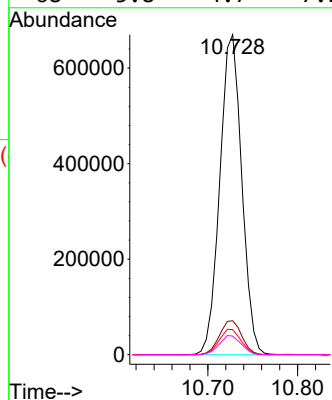
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.9 6.5 9.7

68 5.8 4.7 7.1



#22

Acetophenone

Concen: 10.679 ng

RT: 8.751 min Scan# 963

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Tgt Ion:105 Resp: 328758

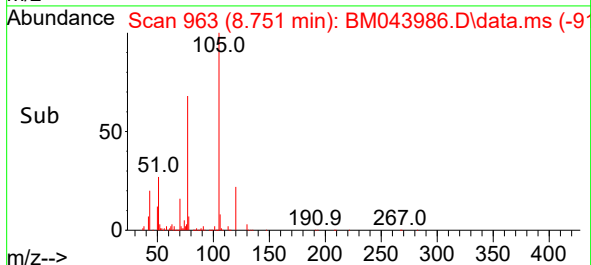
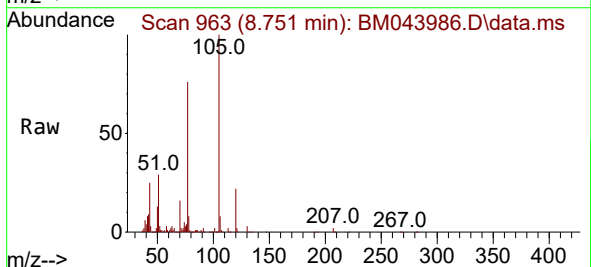
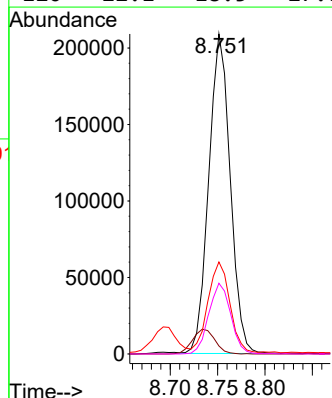
Ion Ratio Lower Upper

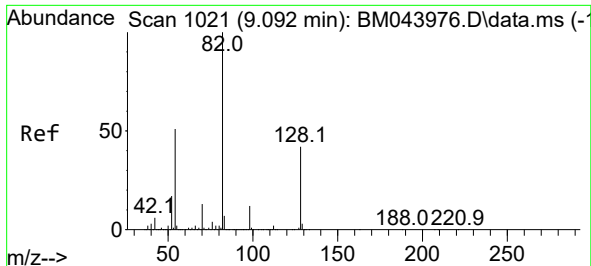
105 100

71 2.5 1.6 2.4#

51 28.8 21.8 32.6

120 22.1 18.5 27.7





#23

Nitrobenzene-d5

Concen: 84.126 ng

RT: 9.092 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

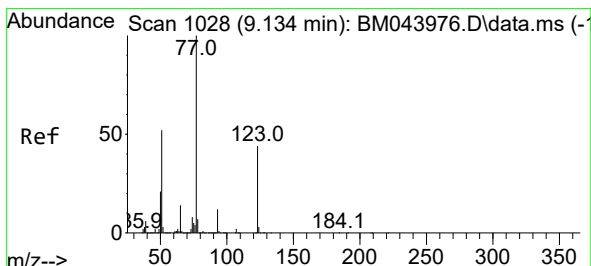
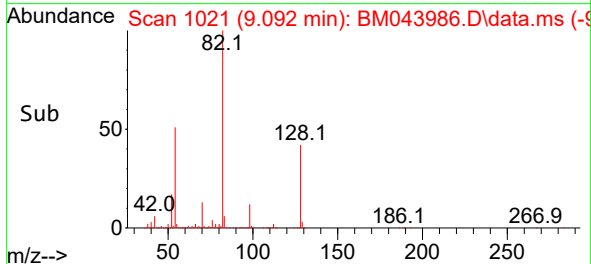
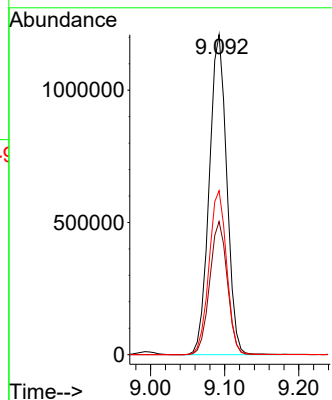
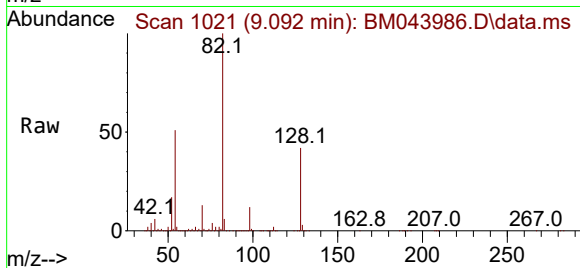
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 82 Resp: 1982810

Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.9	50.9
54	51.2	41.1	61.7



#24

Nitrobenzene

Concen: 10.387 ng

RT: 9.134 min Scan# 1028

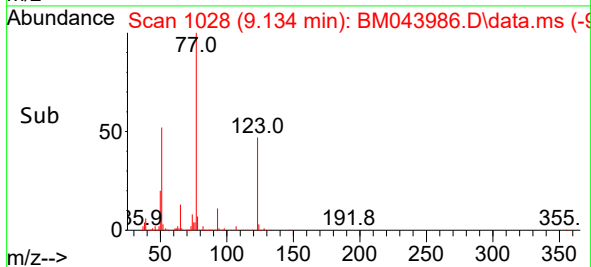
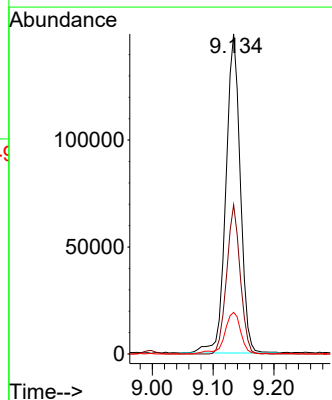
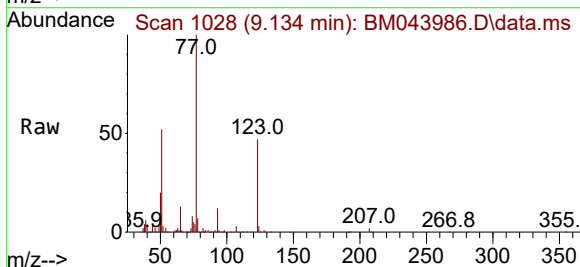
Delta R.T. 0.000 min

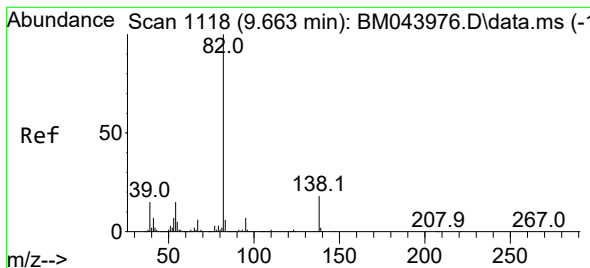
Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Tgt Ion: 77 Resp: 245639

Ion	Ratio	Lower	Upper
77	100		
123	46.6	35.3	52.9
65	13.0	10.9	16.3





#25

Isophorone

Concen: 9.914 ng

RT: 9.657 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

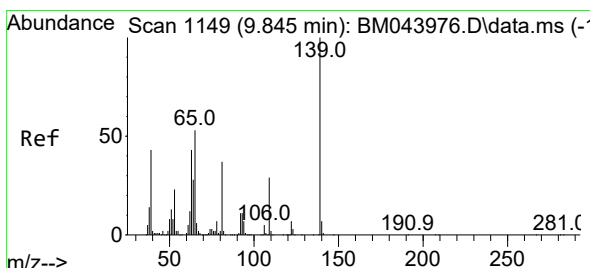
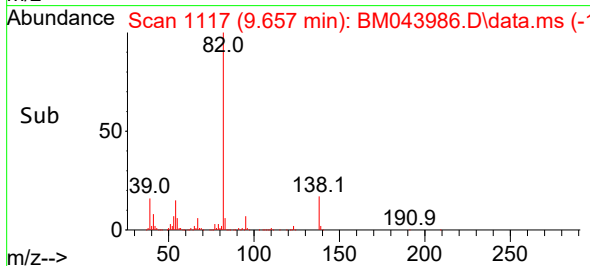
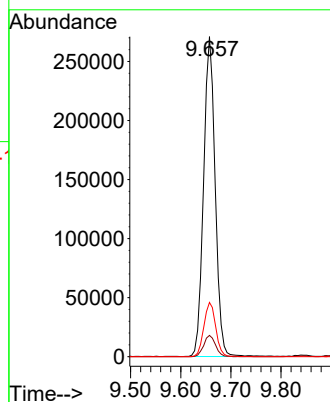
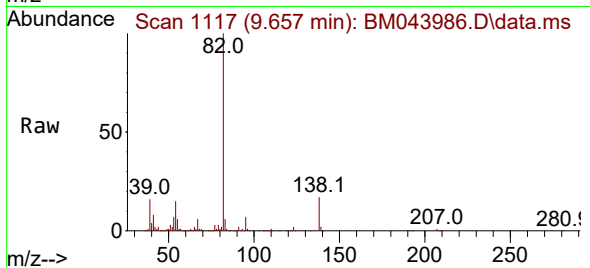
Tgt Ion: 82 Resp: 434996

Ion Ratio Lower Upper

82 100

95 6.6 5.6 8.4

138 17.0 14.2 21.2



#26

2-Nitrophenol

Concen: 8.906 ng

RT: 9.839 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

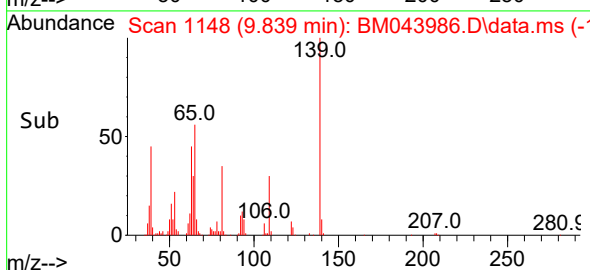
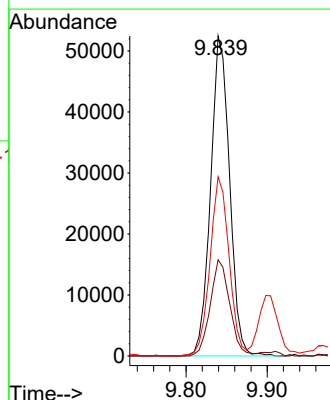
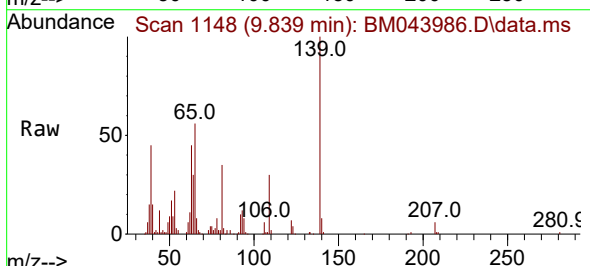
Tgt Ion: 139 Resp: 85120

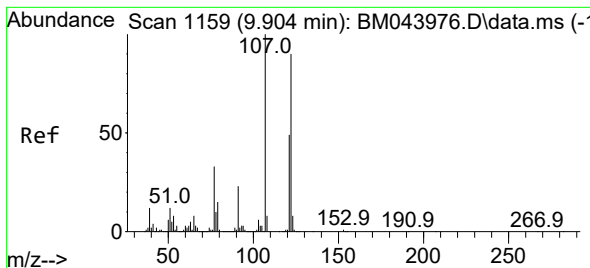
Ion Ratio Lower Upper

139 100

109 30.0 23.3 34.9

65 56.0 42.5 63.7





#27

2,4-Dimethylphenol

Concen: 10.965 ng

RT: 9.904 min Scan# 1159

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

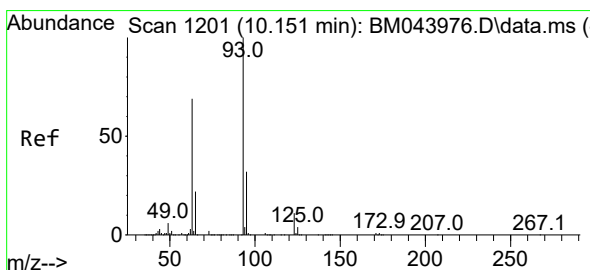
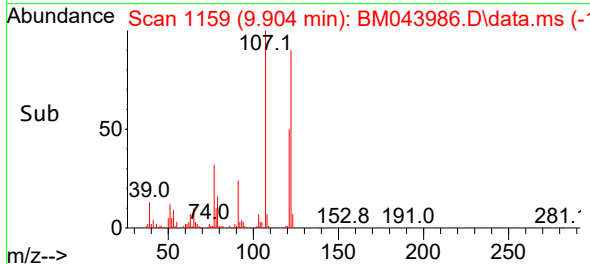
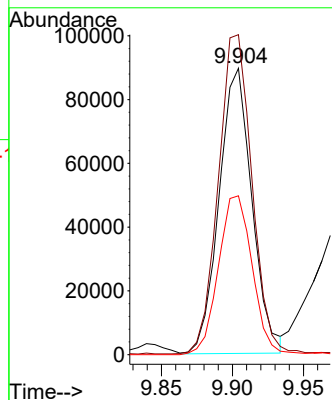
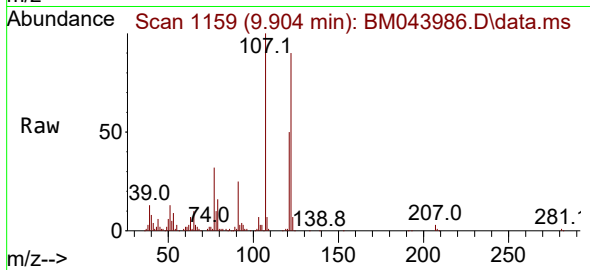
Tgt Ion:122 Resp: 143904

Ion Ratio Lower Upper

122 100

107 111.7 89.0 133.4

121 55.5 43.4 65.0



#28

bis(2-Chloroethoxy)methane

Concen: 10.381 ng

RT: 10.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

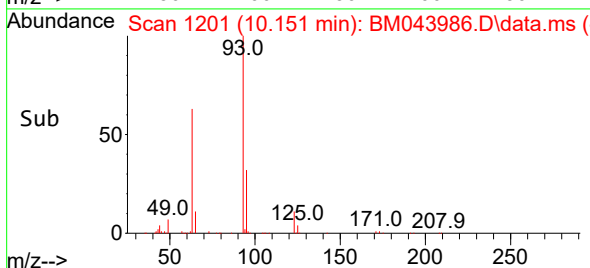
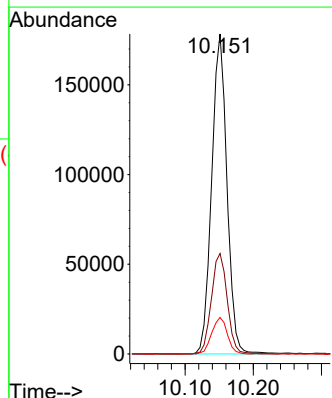
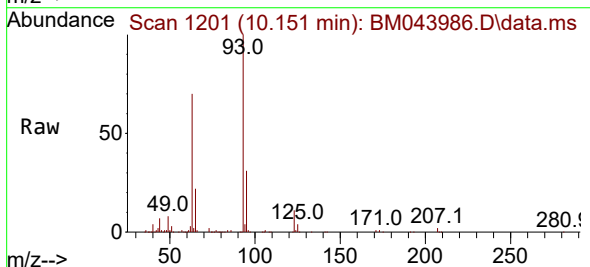
Tgt Ion: 93 Resp: 278162

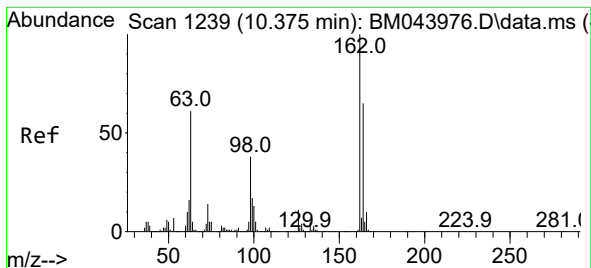
Ion Ratio Lower Upper

93 100

95 31.4 25.9 38.9

123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 9.550 ng

RT: 10.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

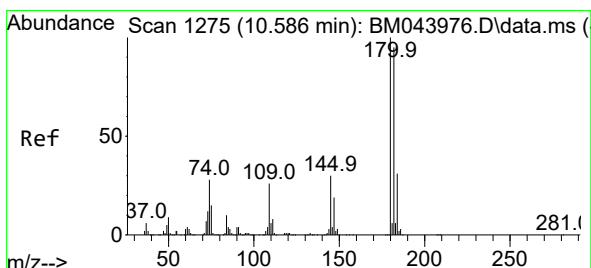
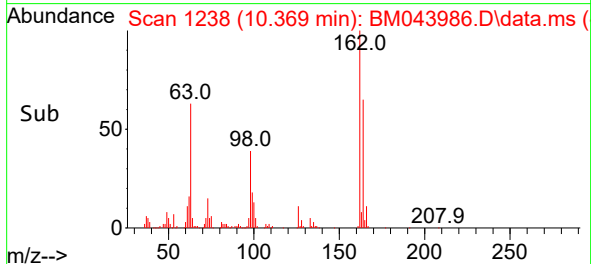
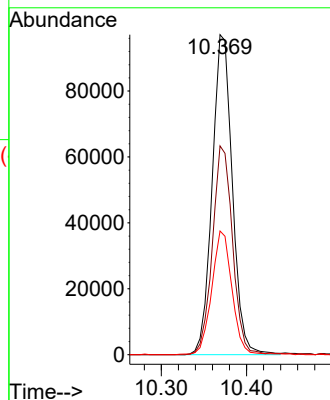
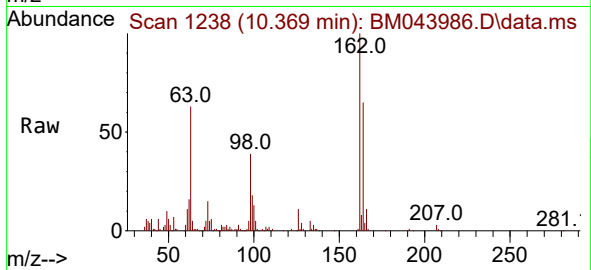
Tgt Ion:162 Resp: 159856

Ion Ratio Lower Upper

162 100

164 65.3 45.1 85.1

98 38.6 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 10.126 ng

RT: 10.586 min Scan# 1275

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

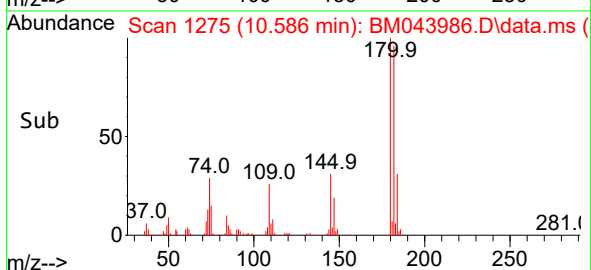
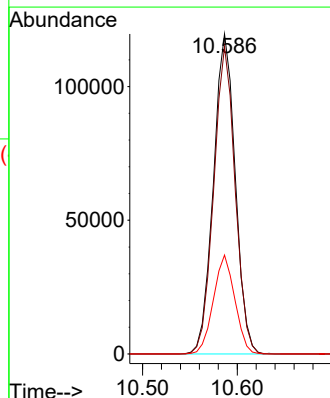
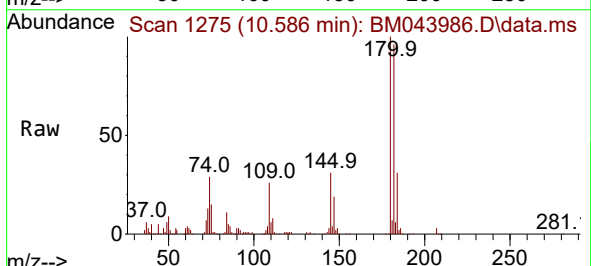
Tgt Ion:180 Resp: 191441

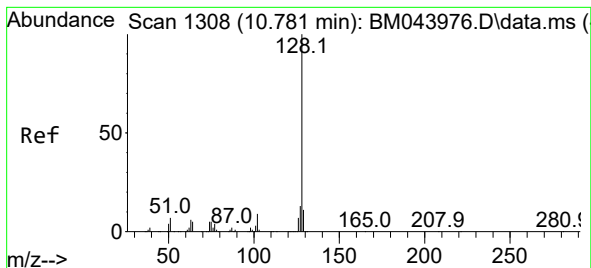
Ion Ratio Lower Upper

180 100

182 96.0 76.0 114.0

145 30.9 24.2 36.2





#31

Naphthalene

Concen: 10.185 ng

RT: 10.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

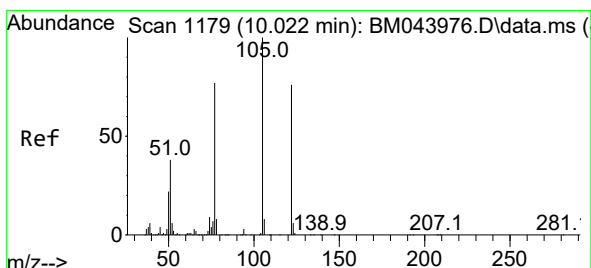
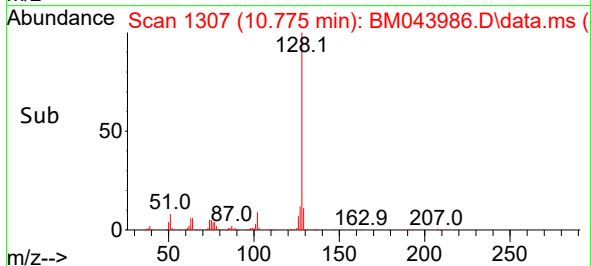
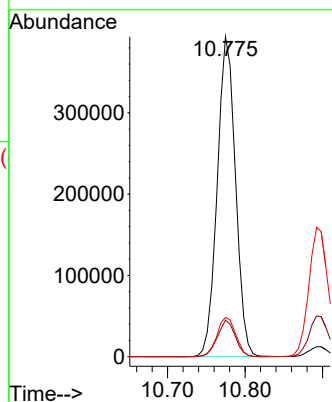
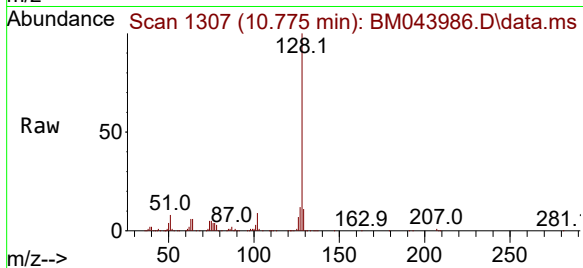
Tgt Ion:128 Resp: 645006

Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

127 12.3 10.1 15.1



#32

Benzoic acid

Concen: 11.551 ng

RT: 9.969 min Scan# 1170

Delta R.T. -0.053 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

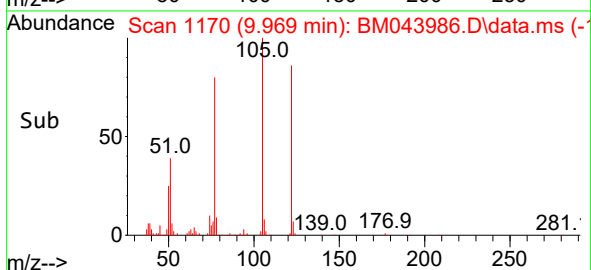
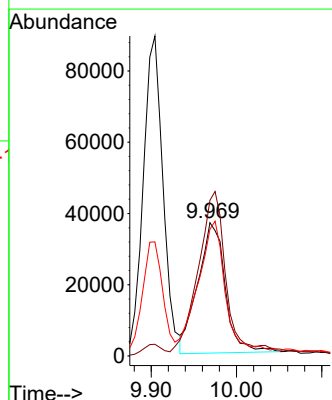
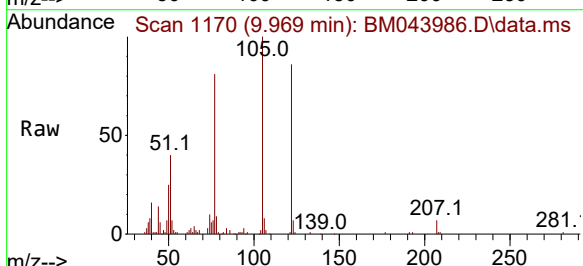
Tgt Ion:122 Resp: 81725

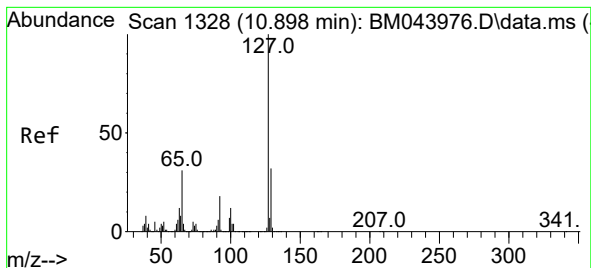
Ion Ratio Lower Upper

122 100

105 116.8 109.4 149.4

77 95.1 80.5 120.5





#33

4-Chloroaniline

Concen: 10.646 ng

RT: 10.892 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:127 Resp: 277122

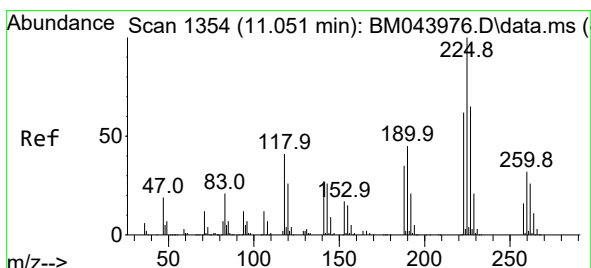
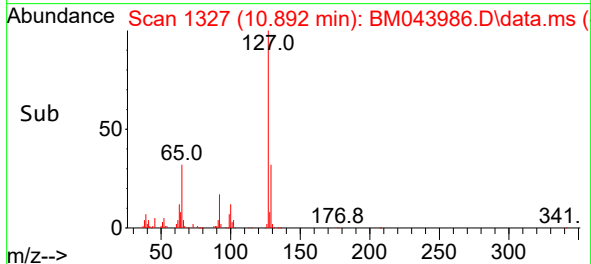
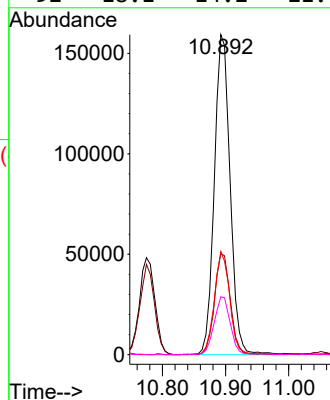
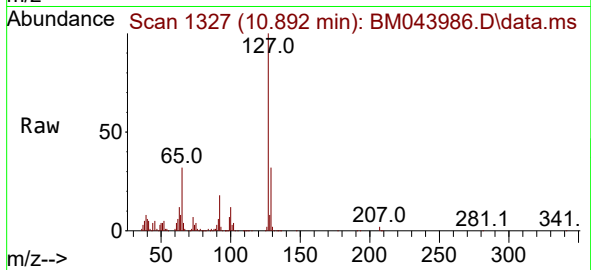
Ion Ratio Lower Upper

127 100

129 31.6 25.6 38.4

65 32.2 24.5 36.7

92 18.1 14.2 21.4



#34

Hexachlorobutadiene

Concen: 9.738 ng

RT: 11.051 min Scan# 1354

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

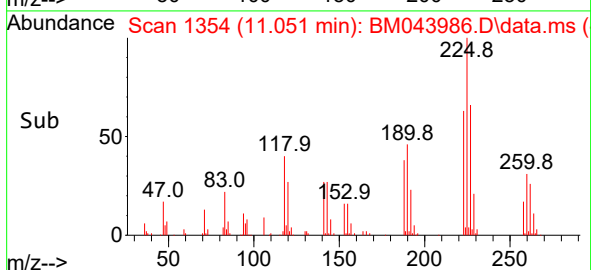
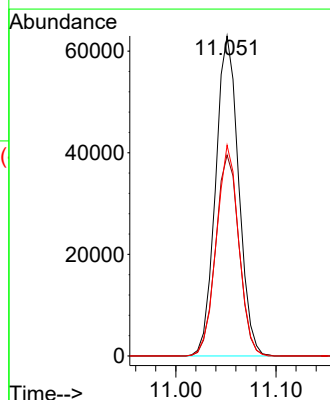
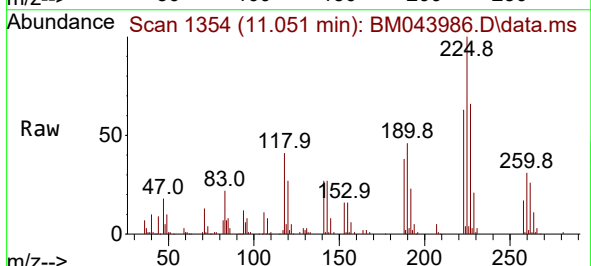
Tgt Ion:225 Resp: 100413

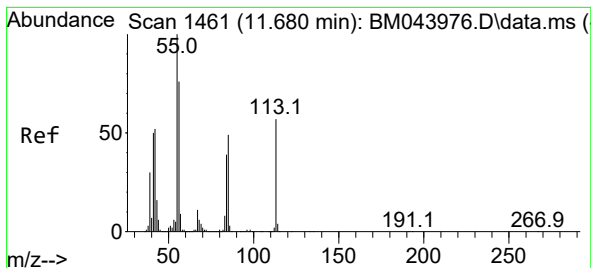
Ion Ratio Lower Upper

225 100

223 62.8 49.8 74.8

227 65.8 51.7 77.5





#35

Caprolactam

Concen: 8.596 ng

RT: 11.663 min Scan# 1461

Delta R.T. -0.018 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

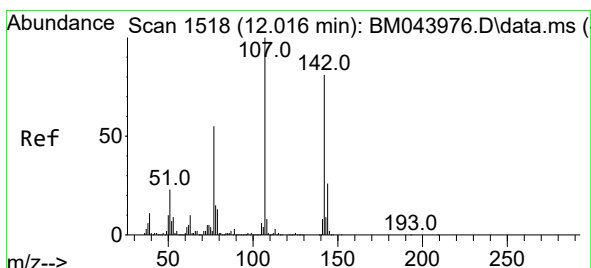
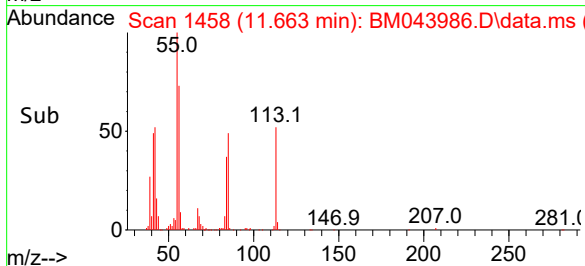
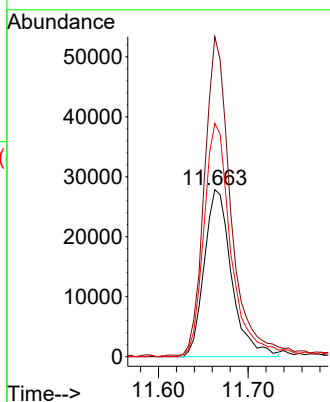
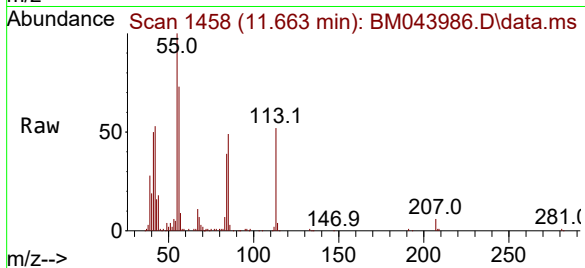
Tgt Ion:113 Resp: 59006

Ion Ratio Lower Upper

113 100

55 191.5 154.3 194.3

56 139.6 112.2 152.2



#36

4-Chloro-3-methylphenol

Concen: 9.296 ng

RT: 12.016 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

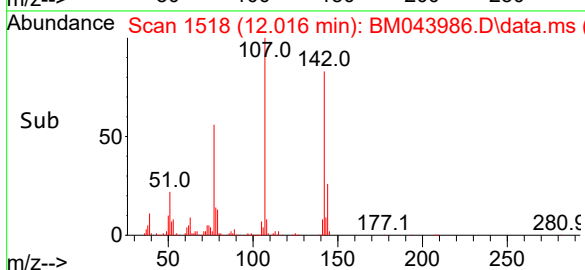
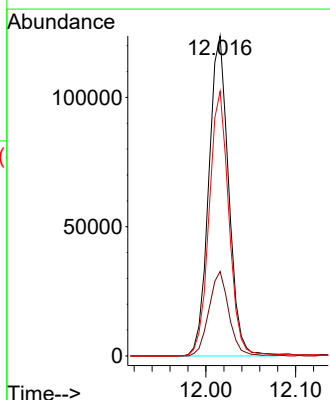
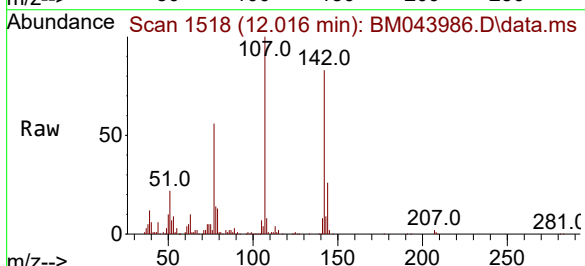
Tgt Ion:107 Resp: 190546

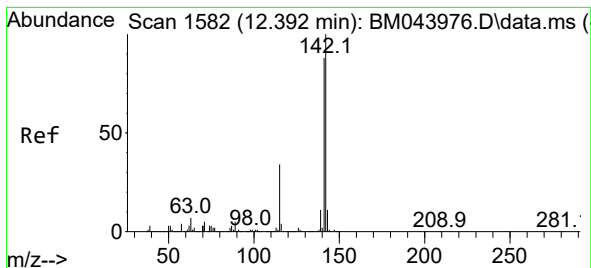
Ion Ratio Lower Upper

107 100

144 26.4 21.1 31.7

142 82.7 65.0 97.4





#37

2-Methylnaphthalene

Concen: 9.872 ng

RT: 12.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

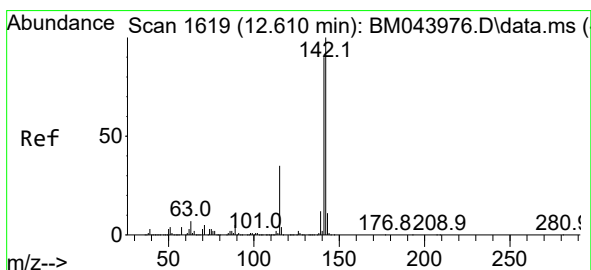
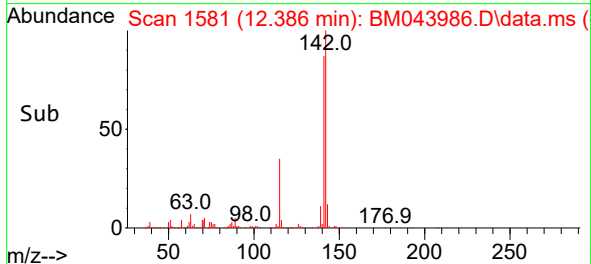
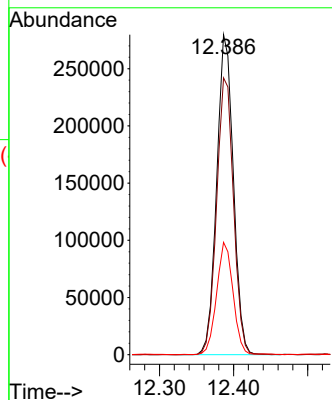
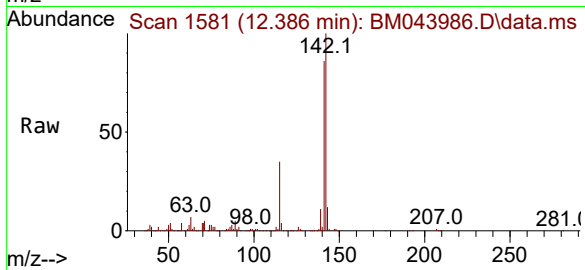
Tgt Ion:142 Resp: 436001

Ion Ratio Lower Upper

142 100

141 86.5 70.2 105.2

115 35.1 27.2 40.8



#38

1-Methylnaphthalene

Concen: 9.804 ng

RT: 12.604 min Scan# 1618

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

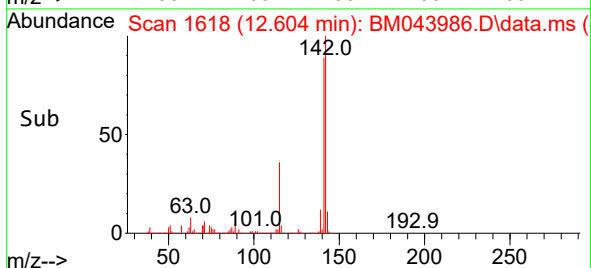
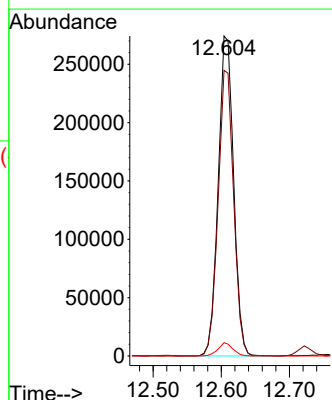
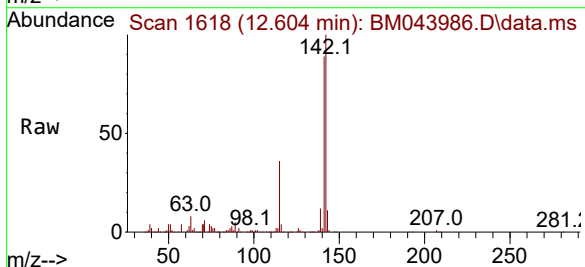
Tgt Ion:142 Resp: 432248

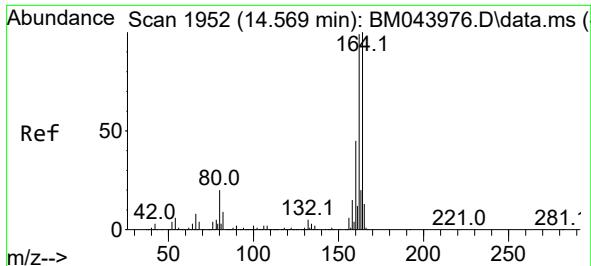
Ion Ratio Lower Upper

142 100

141 89.3 72.1 108.1

116 4.1 2.9 4.3

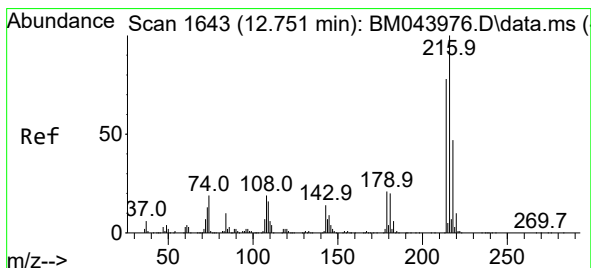
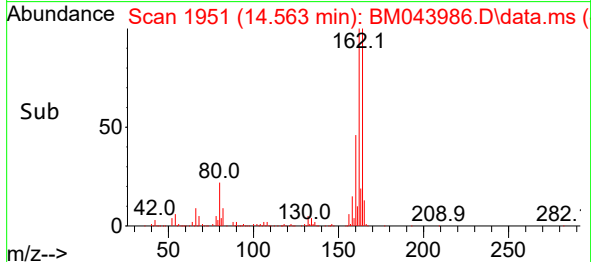
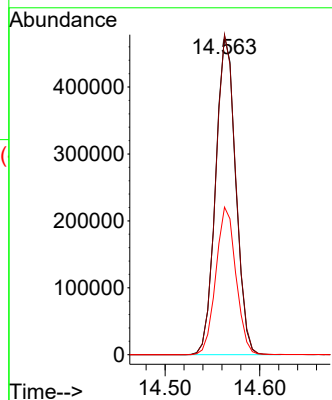
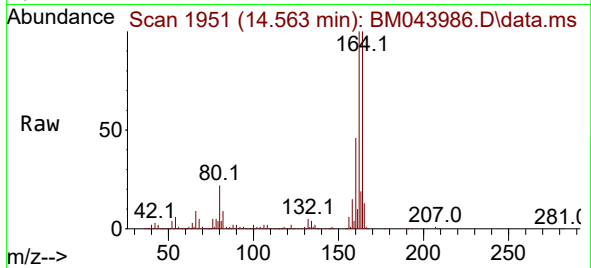




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

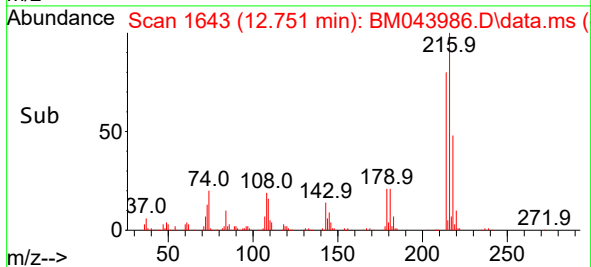
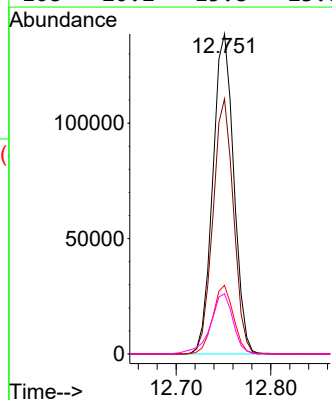
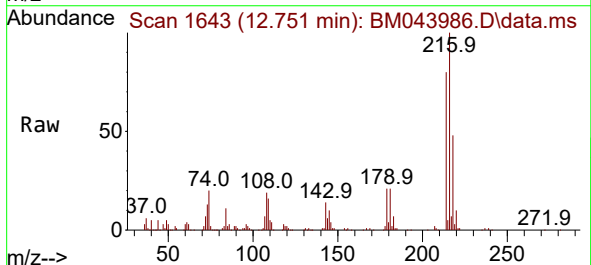
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

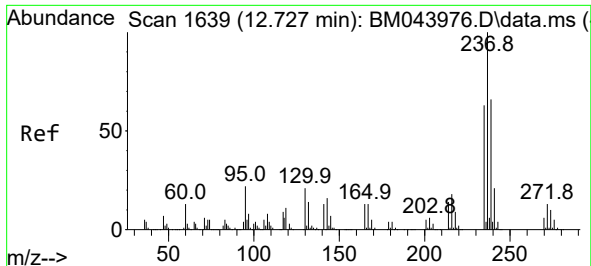
Tgt Ion:164 Resp: 701347
Ion Ratio Lower Upper
164 100
162 100.3 79.0 118.4
160 46.2 35.8 53.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.736 ng
RT: 12.751 min Scan# 1643
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

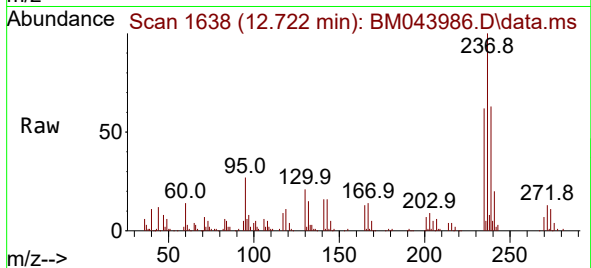
Tgt Ion:216 Resp: 213558
Ion Ratio Lower Upper
216 100
214 78.0 62.6 94.0
179 21.1 16.7 25.1
108 20.2 15.8 23.8



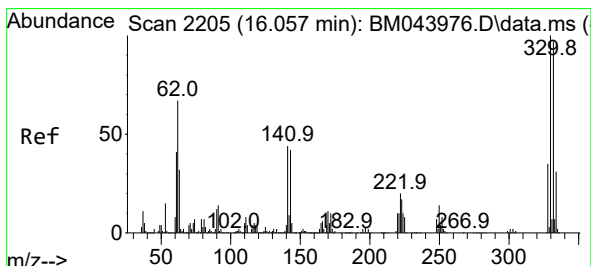
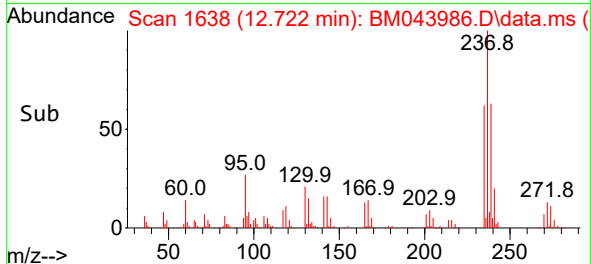
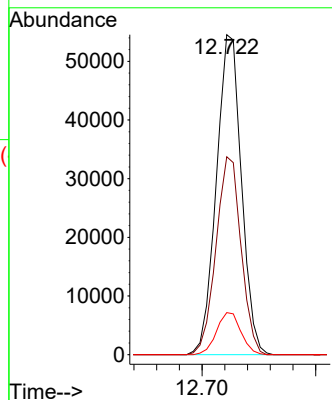


#41
Hexachlorocyclopentadiene
Concen: 12.777 ng
RT: 12.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

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

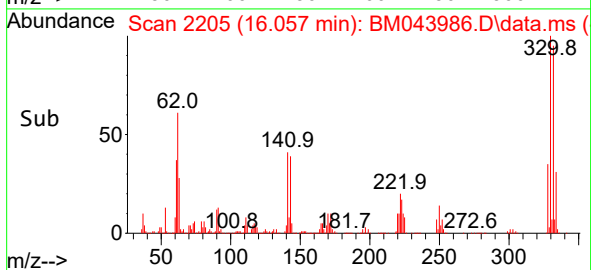
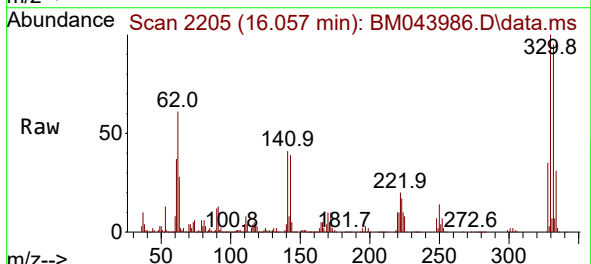
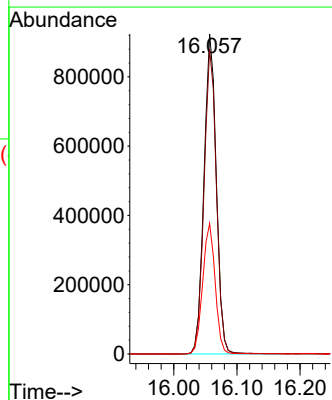


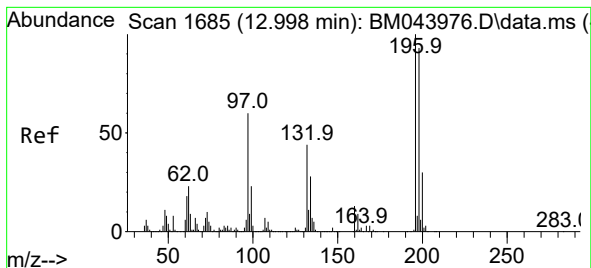
Tgt Ion:237 Resp: 83592
Ion Ratio Lower Upper
237 100
235 61.9 43.5 83.5
272 13.2 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 146.718 ng
RT: 16.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:330 Resp: 1254341
Ion Ratio Lower Upper
330 100
332 95.6 77.6 116.4
141 41.2 33.5 50.3





#43

2,4,6-Trichlorophenol

Concen: 9.307 ng

RT: 12.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

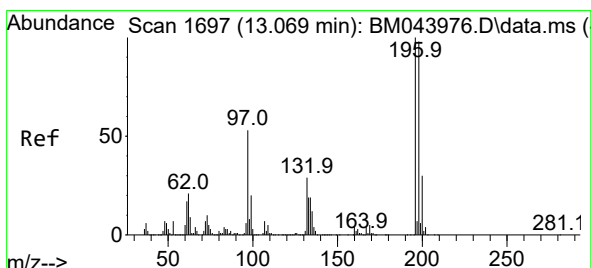
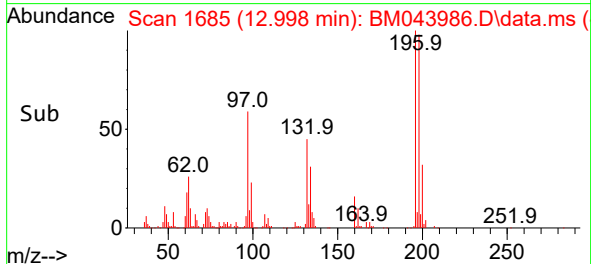
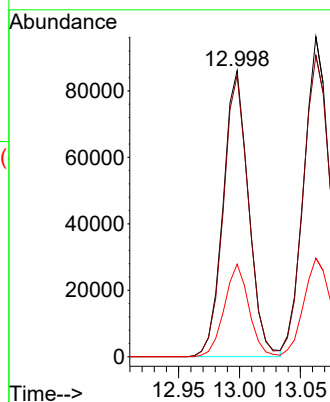
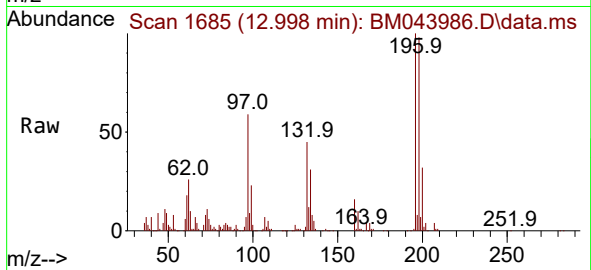
Tgt Ion:196 Resp: 125112

Ion Ratio Lower Upper

196 100

198 98.3 74.2 111.2

200 32.3 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 9.481 ng

RT: 13.063 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Tgt Ion:196 Resp: 145401

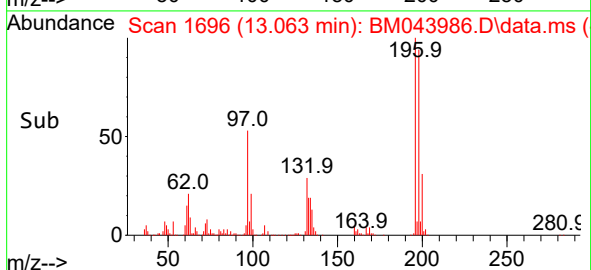
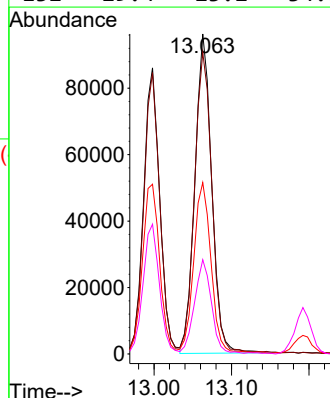
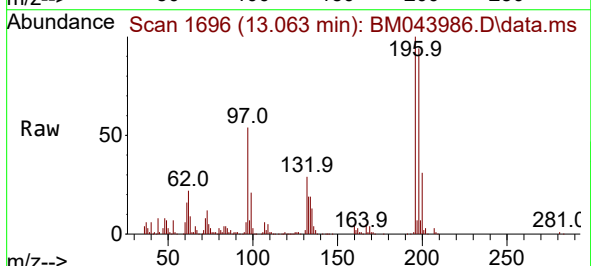
Ion Ratio Lower Upper

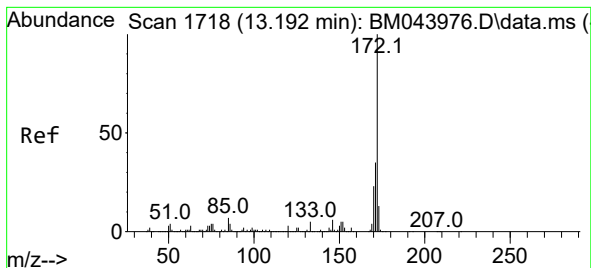
196 100

198 94.2 78.1 117.1

97 53.6 42.2 63.2

132 29.4 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 85.611 ng

RT: 13.192 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

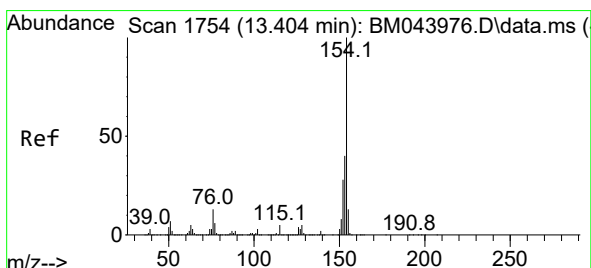
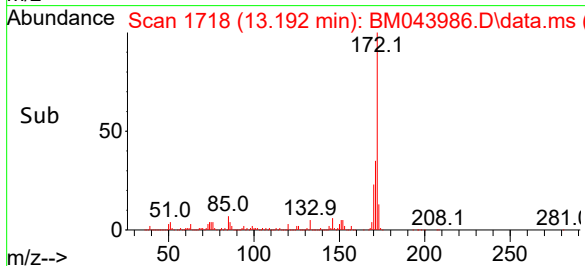
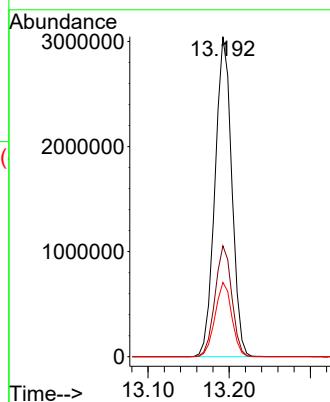
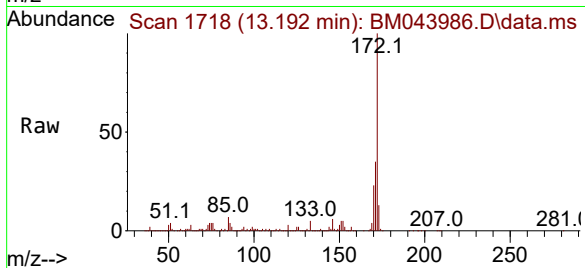
Tgt Ion:172 Resp: 4369694

Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 23.2 18.6 28.0



#46

1,1'-Biphenyl

Concen: 10.555 ng

RT: 13.404 min Scan# 1754

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

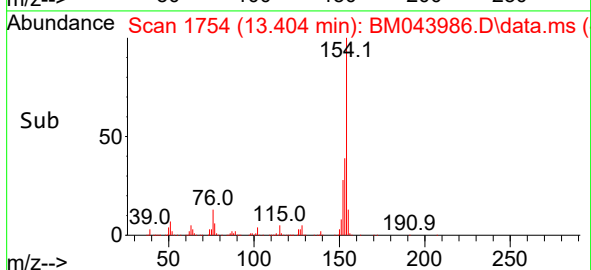
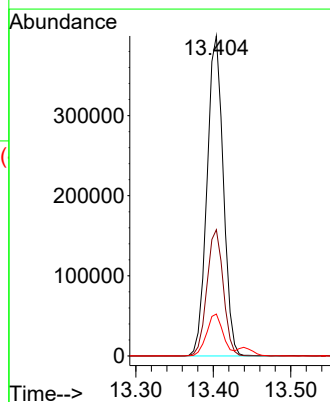
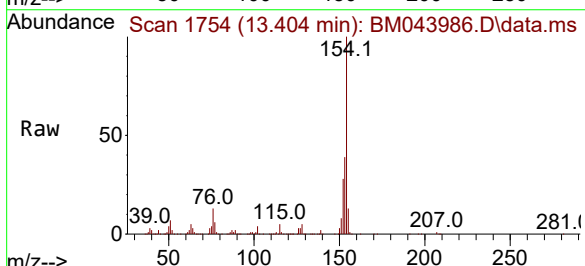
Tgt Ion:154 Resp: 582131

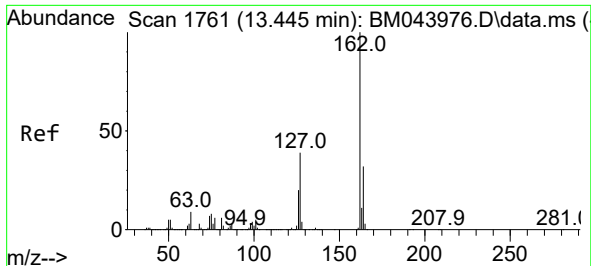
Ion Ratio Lower Upper

154 100

153 39.5 19.8 59.8

76 13.1 0.0 33.0

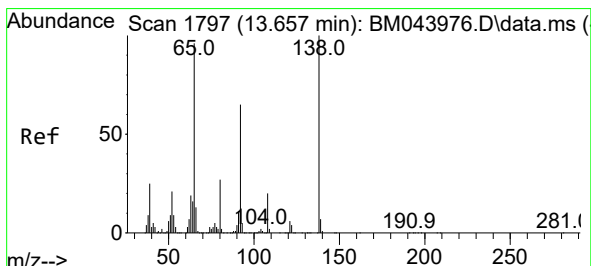
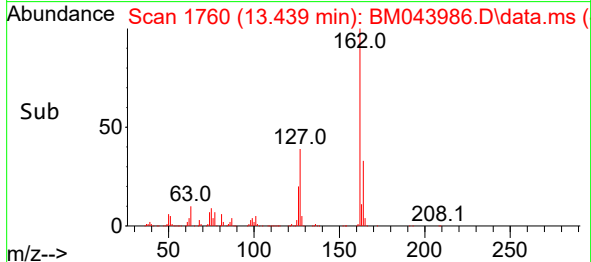
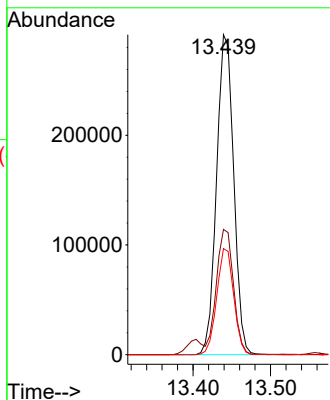
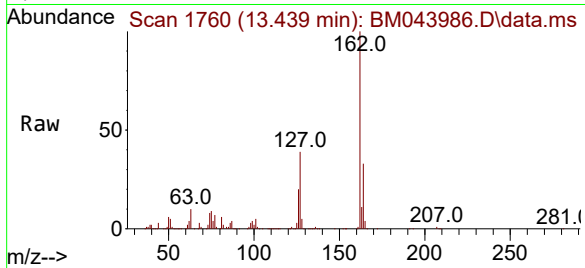




#47
2-Chloronaphthalene
Concen: 10.191 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

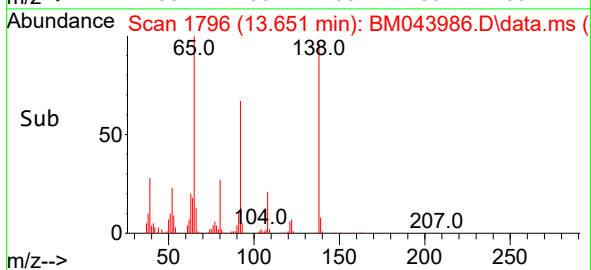
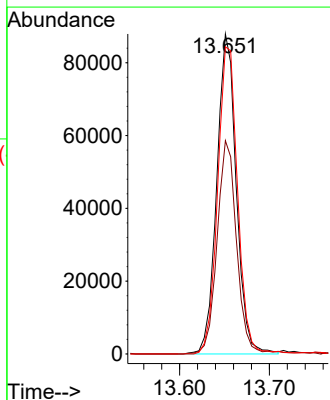
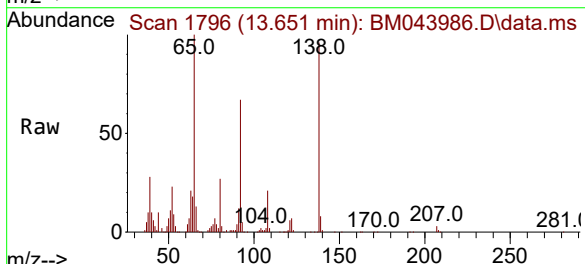
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

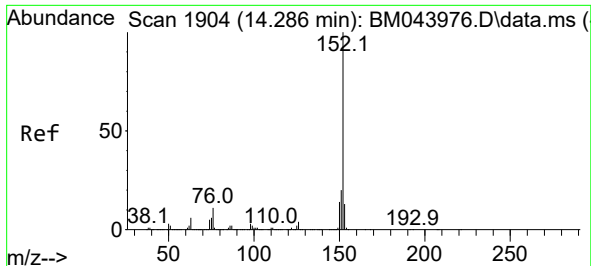
Tgt Ion:162 Resp: 448247
Ion Ratio Lower Upper
162 100
127 39.2 31.0 46.6
164 33.1 25.8 38.6



#48
2-Nitroaniline
Concen: 9.279 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion: 65 Resp: 132742
Ion Ratio Lower Upper
65 100
92 66.6 53.6 80.4
138 96.0 83.0 124.6

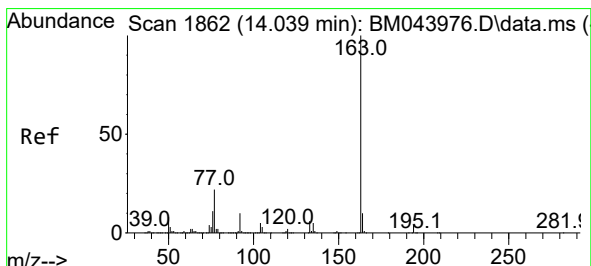
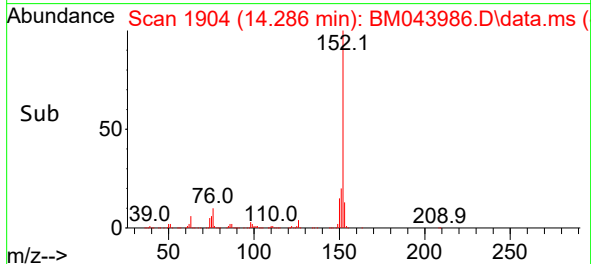
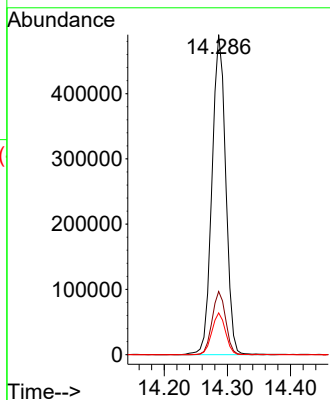
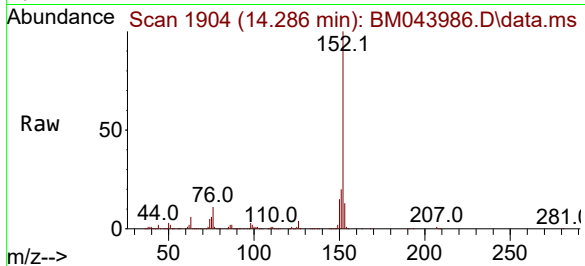




#49
Acenaphthylene
Concen: 11.013 ng
RT: 14.286 min Scan# 1904
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

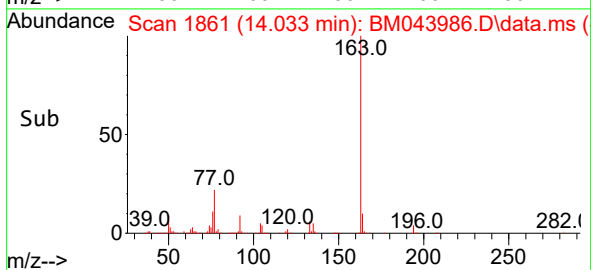
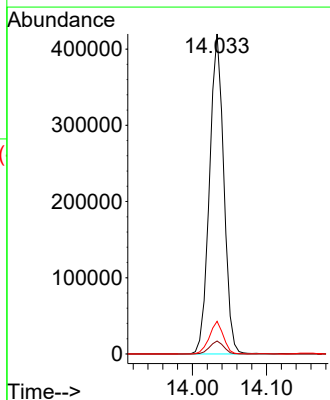
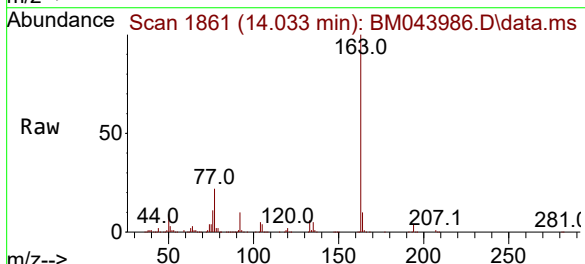
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

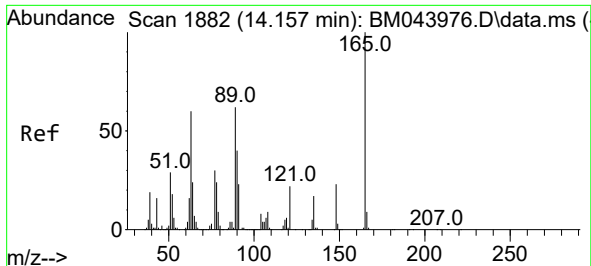
Tgt Ion:152 Resp: 740450
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.0 10.4 15.6



#50
Dimethylphthalate
Concen: 10.323 ng
RT: 14.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:163 Resp: 562394
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 9.216 ng

RT: 14.151 min Scan# 1881

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

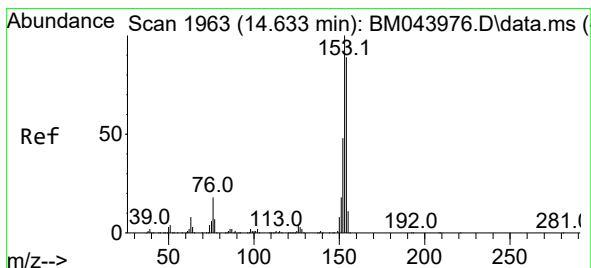
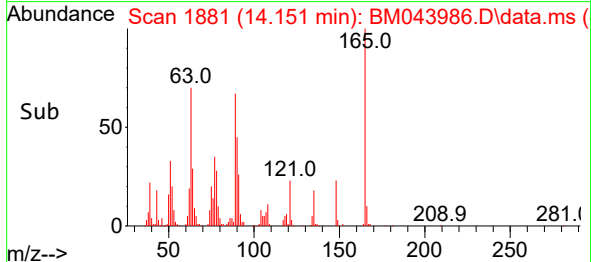
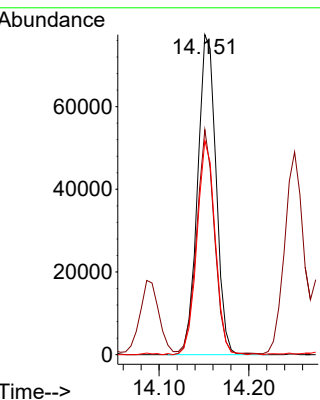
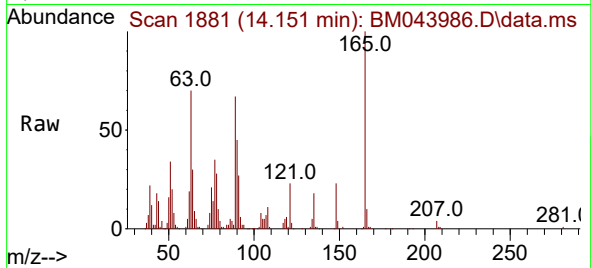
Tgt Ion:165 Resp: 110365

Ion Ratio Lower Upper

165 100

63 70.3 51.1 76.7

89 66.9 49.5 74.3



#52

Acenaphthene

Concen: 10.137 ng

RT: 14.627 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

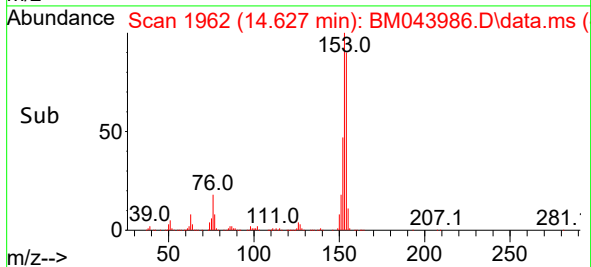
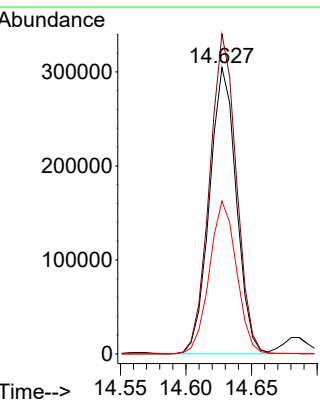
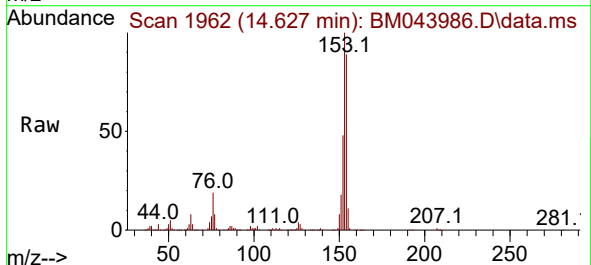
Tgt Ion:154 Resp: 432057

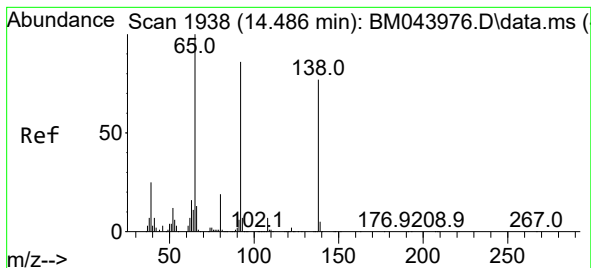
Ion Ratio Lower Upper

154 100

153 111.7 90.1 135.1

152 53.4 43.6 65.4

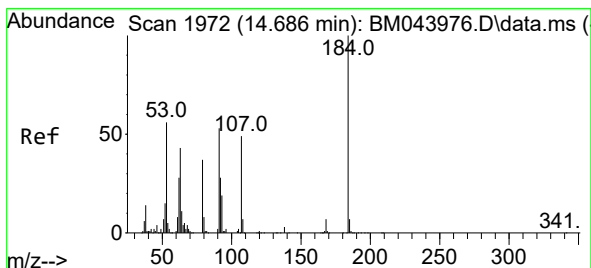
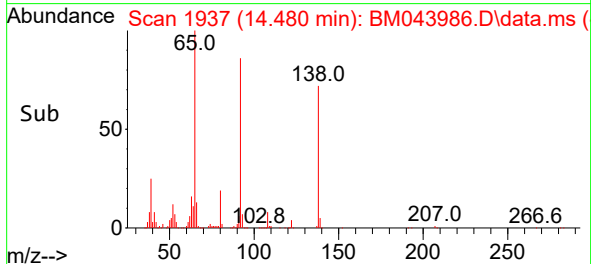
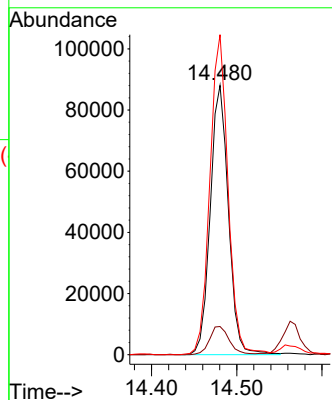
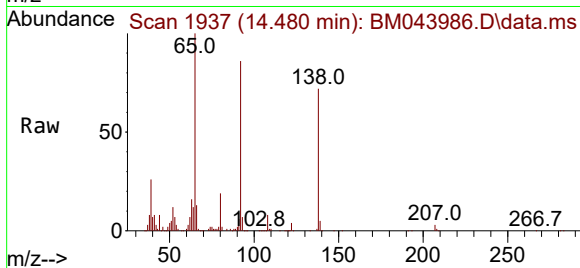




#53
3-Nitroaniline
Concen: 9.406 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

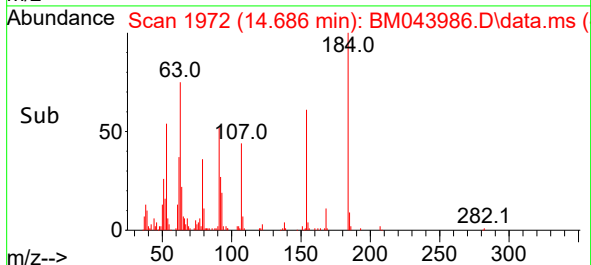
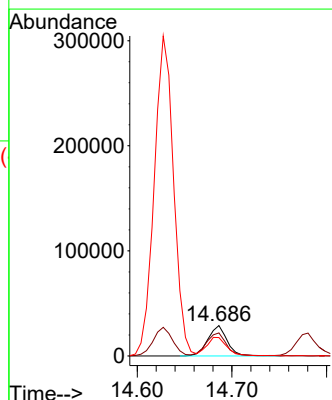
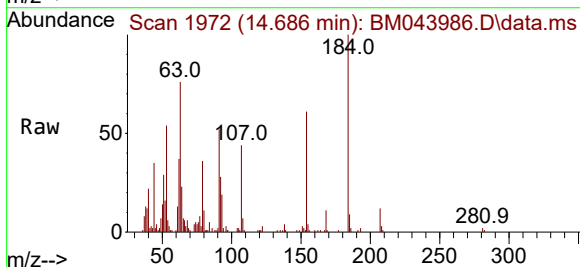
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

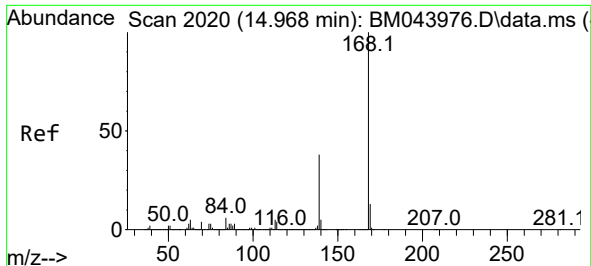
Tgt Ion:138 Resp: 130762
Ion Ratio Lower Upper
138 100
108 10.4 7.8 11.6
92 118.8 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 12.369 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:184 Resp: 40489
Ion Ratio Lower Upper
184 100
63 75.9 62.8 94.2
154 60.6 51.4 77.2

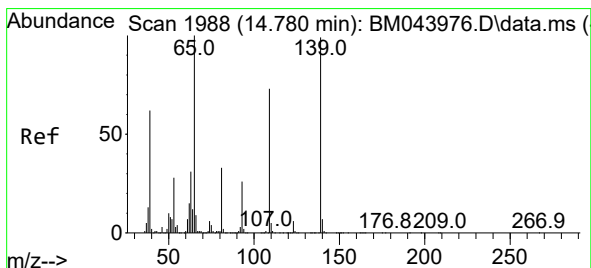
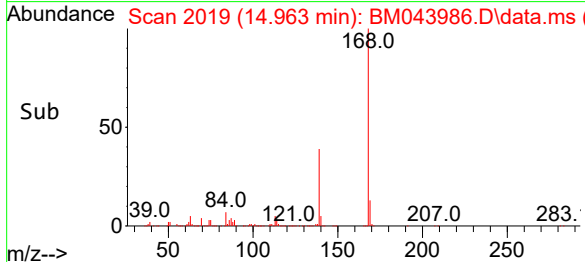
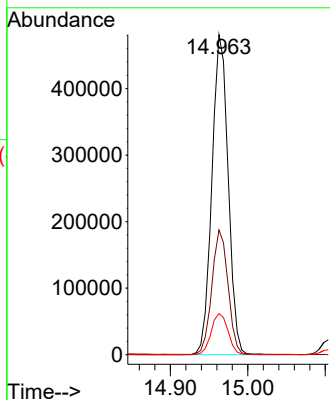
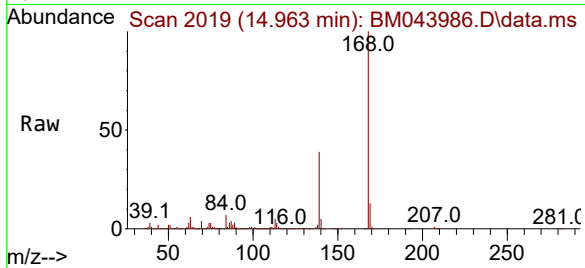




#55
Dibenzenofuran
Concen: 10.558 ng
RT: 14.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

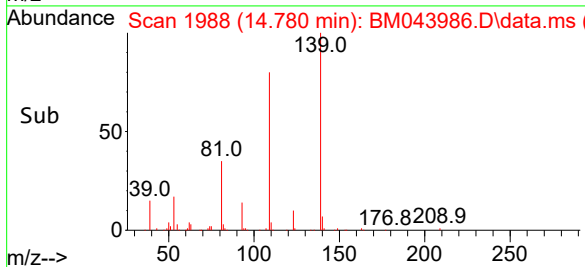
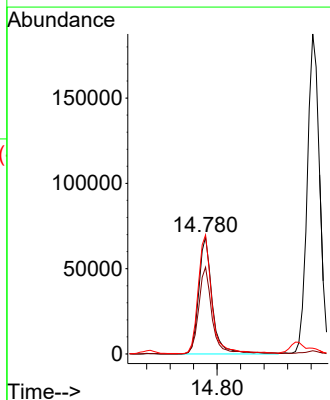
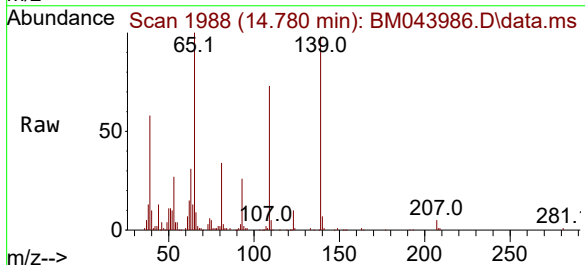
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

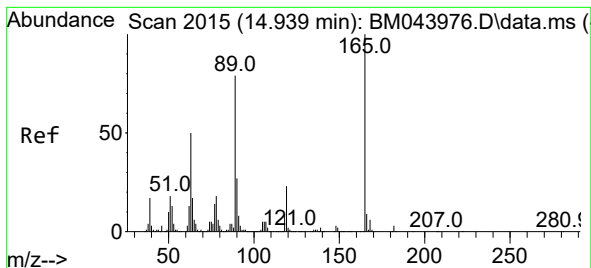
Tgt Ion:168 Resp: 700323
Ion Ratio Lower Upper
168 100
139 39.0 30.7 46.1
169 12.8 10.5 15.7



#56
4-Nitrophenol
Concen: 9.047 ng
RT: 14.780 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:139 Resp: 109908
Ion Ratio Lower Upper
139 100
109 74.1 53.2 93.2
65 101.7 80.7 120.7





#57

2,4-Dinitrotoluene

Concen: 8.788 ng

RT: 14.939 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BM043986.D

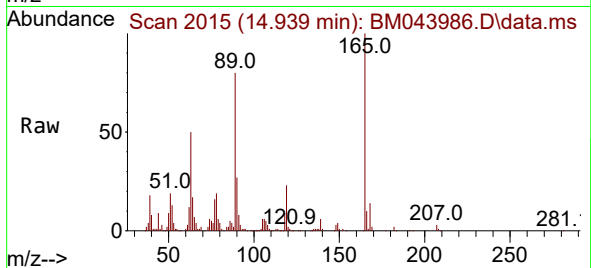
Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion:165 Resp: 146487

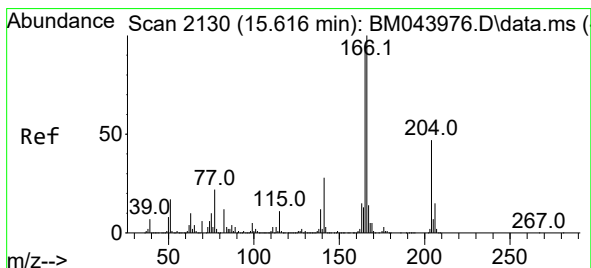
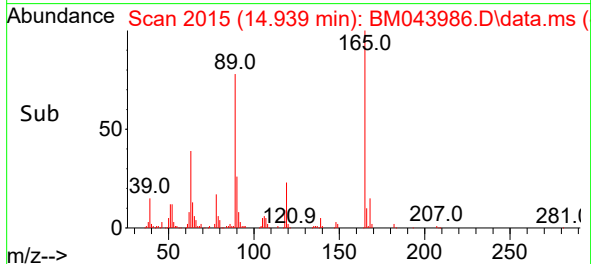
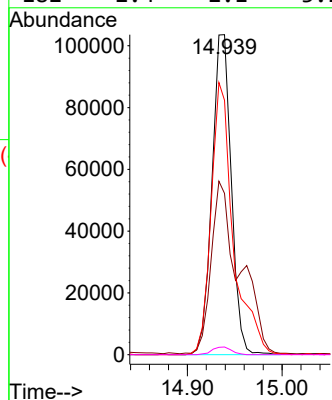
Ion Ratio Lower Upper

165 100

63 50.4 40.2 60.4

89 79.5 63.3 94.9

182 2.4 2.1 3.1



#58

Fluorene

Concen: 10.110 ng

RT: 15.616 min Scan# 2130

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

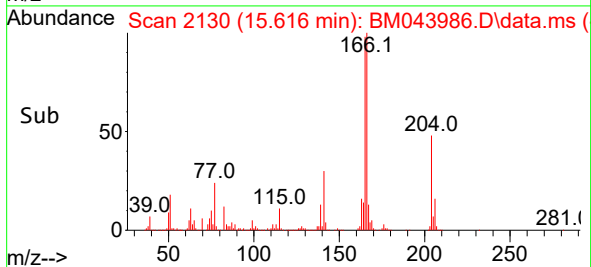
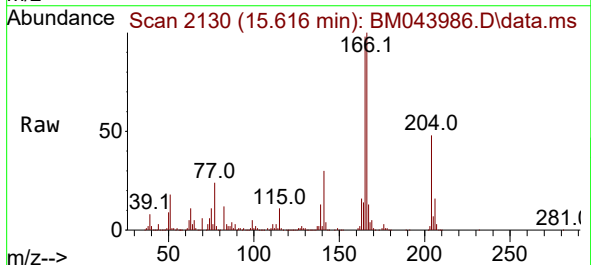
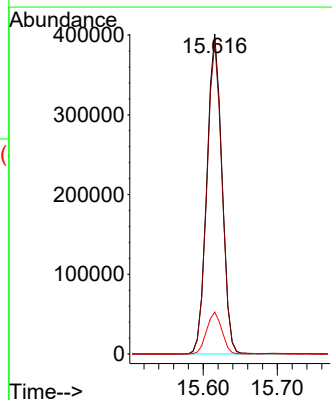
Tgt Ion:166 Resp: 566303

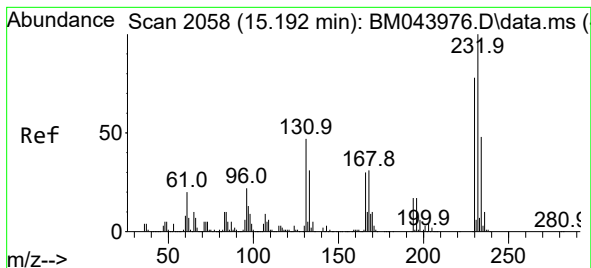
Ion Ratio Lower Upper

166 100

165 97.5 76.3 114.5

167 13.1 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.060 ng

RT: 15.186 min Scan# 2058

Delta R.T. -0.006 min

Lab File: BM043986.D

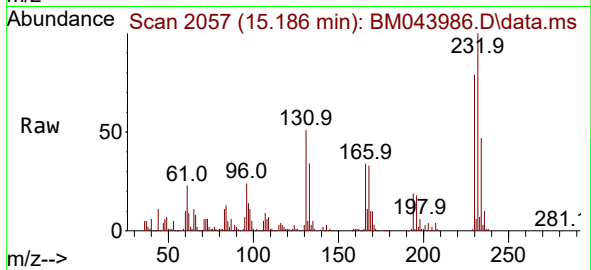
Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion:232 Resp: 133010

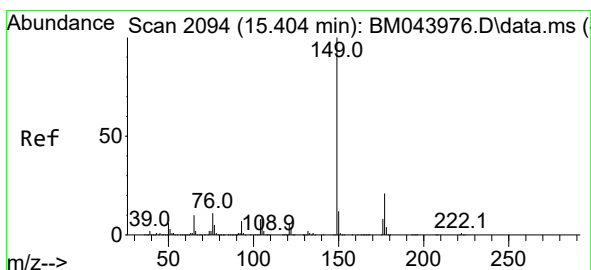
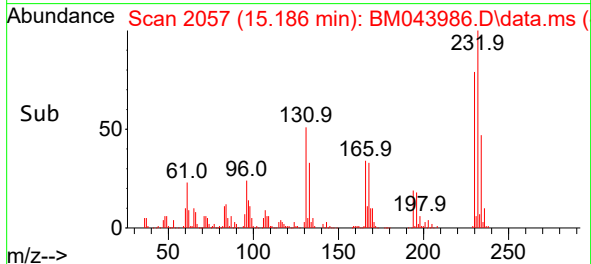
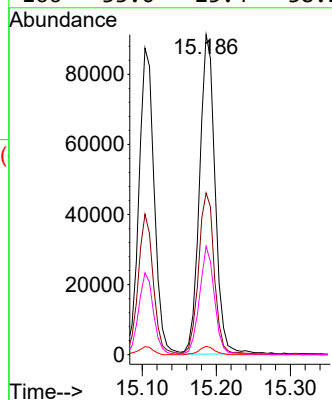
Ion Ratio Lower Upper

232 100

131 50.5 39.8 59.6

130 2.6 2.0 3.0

166 33.0 25.4 38.2



#60

Diethylphthalate

Concen: 9.838 ng

RT: 15.398 min Scan# 2093

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

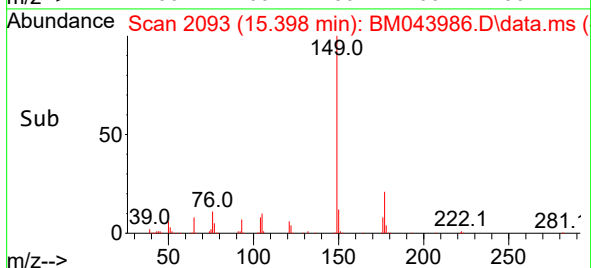
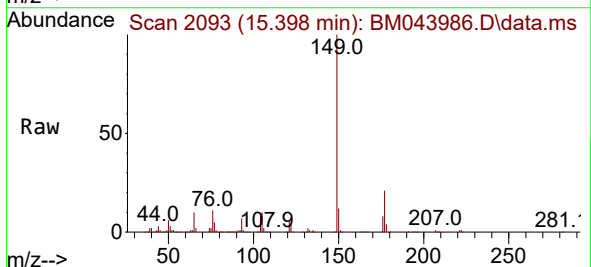
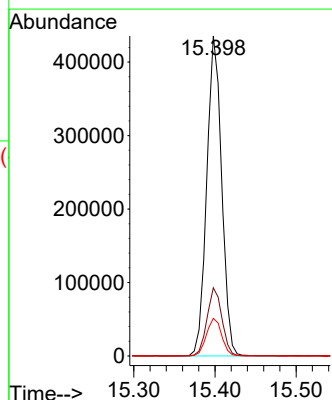
Tgt Ion:149 Resp: 554800

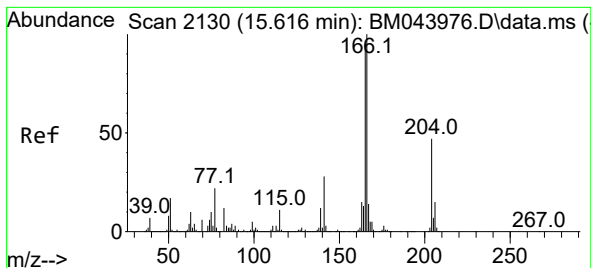
Ion Ratio Lower Upper

149 100

177 21.3 17.1 25.7

150 11.8 9.8 14.6

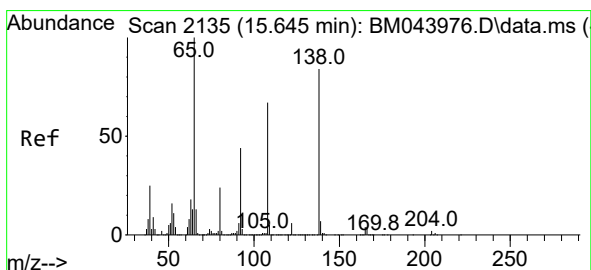
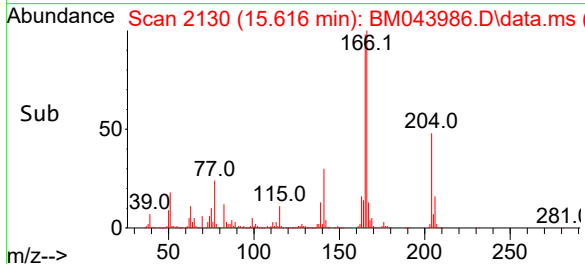
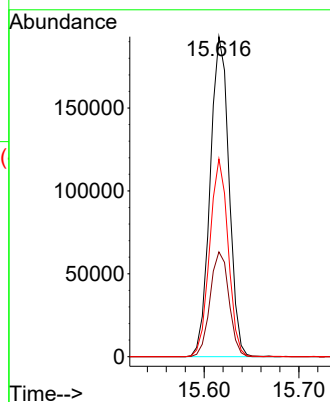
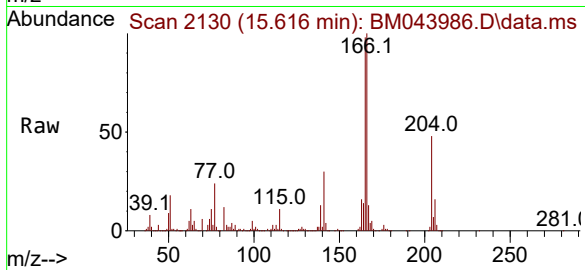




#61
4-Chlorophenyl-phenylether
Concen: 10.178 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

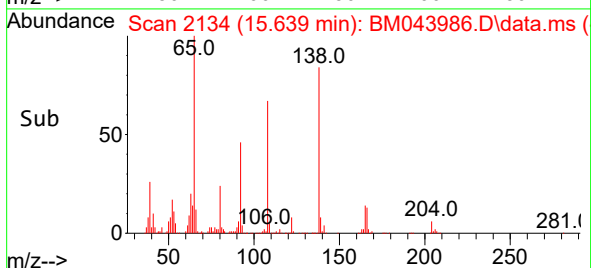
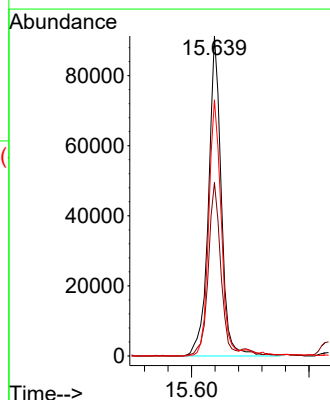
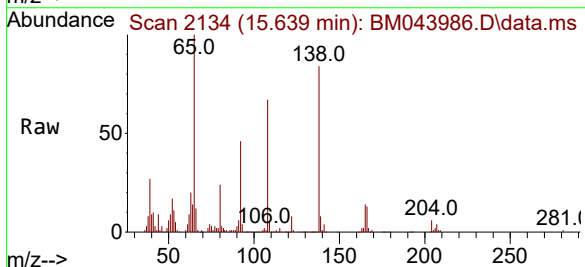
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

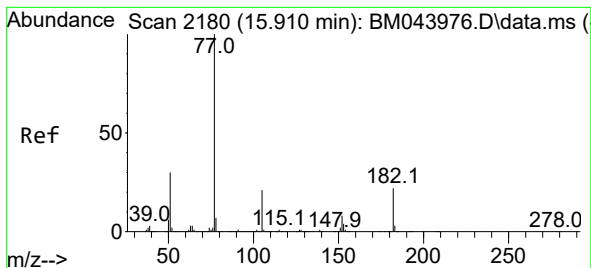
Tgt Ion:204 Resp: 265983
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.2
141 61.8 48.6 72.8



#62
4-Nitroaniline
Concen: 9.098 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:138 Resp: 138292
Ion Ratio Lower Upper
138 100
92 54.2 32.7 72.7
108 80.1 60.0 100.0





#63

Azobenzene

Concen: 10.177 ng

RT: 15.910 min Scan# 2180

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 77 Resp: 573257

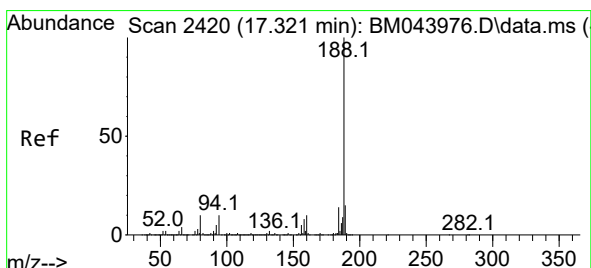
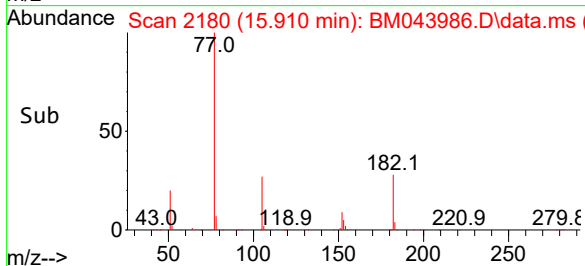
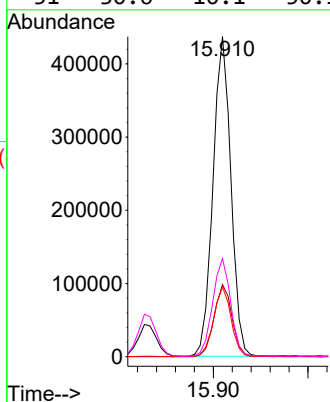
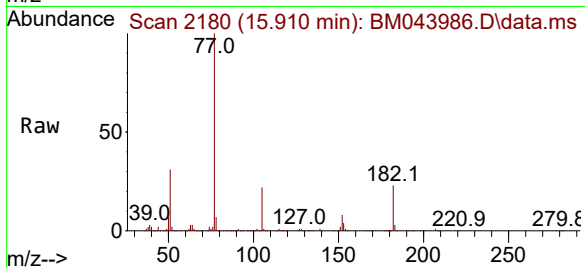
Ion Ratio Lower Upper

77 100

182 22.6 2.0 42.0

105 21.8 0.5 40.5

51 30.6 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: BM043986.D

Acq: 06 Feb 2024 11:30

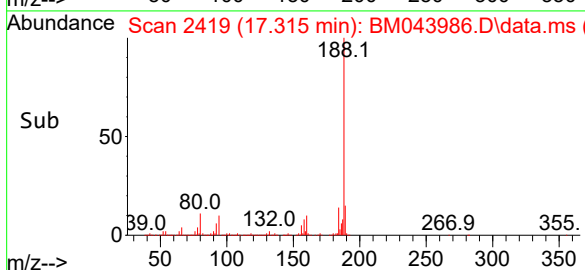
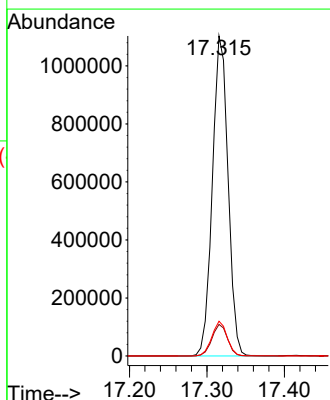
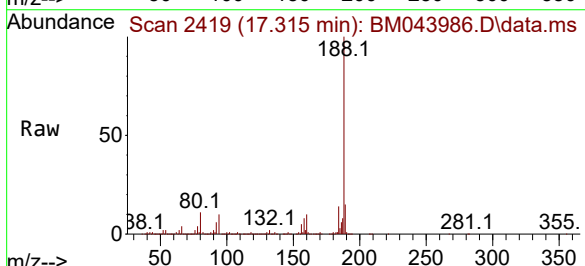
Tgt Ion:188 Resp: 1548528

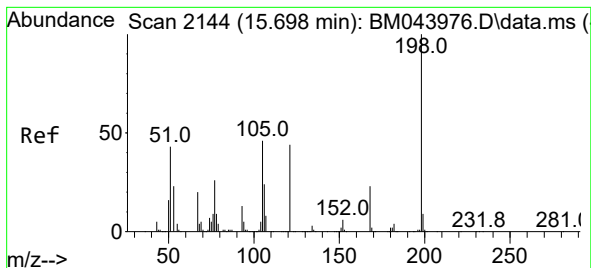
Ion Ratio Lower Upper

188 100

94 9.9 7.7 11.5

80 10.8 8.2 12.4

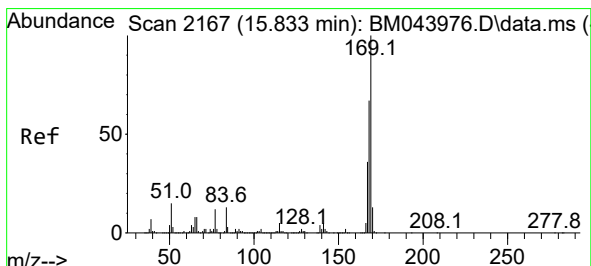
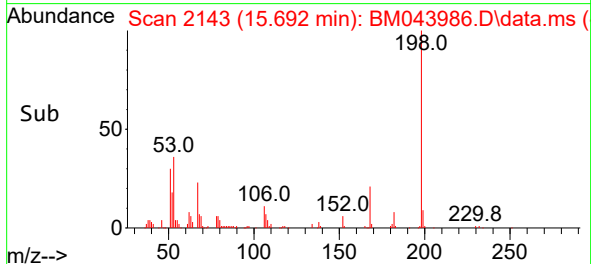
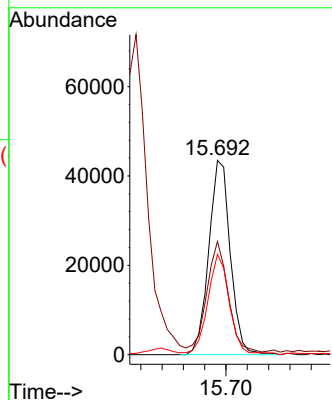
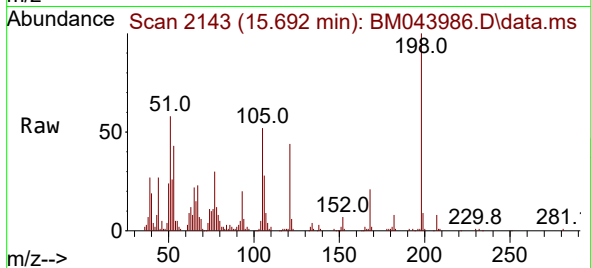




#65
4,6-Dinitro-2-methylphenol
Concen: 11.746 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

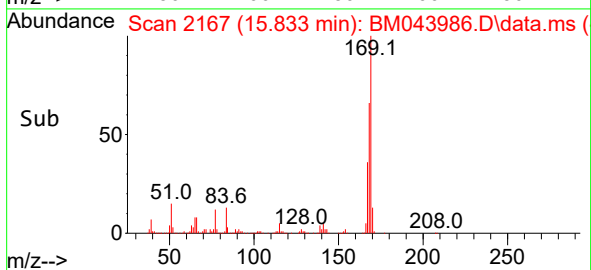
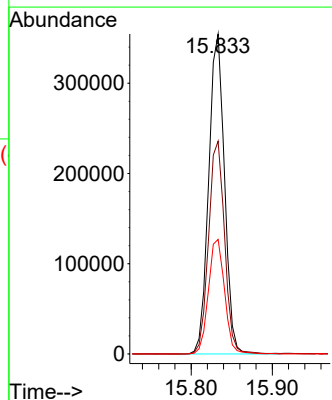
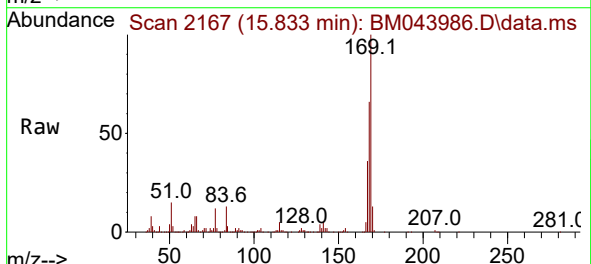
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

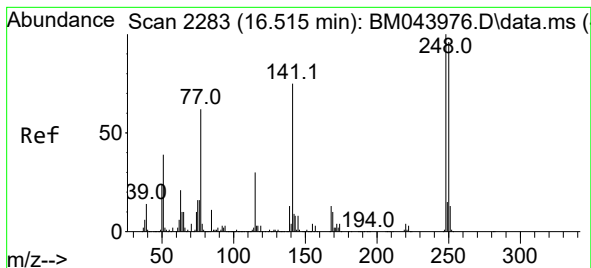
Tgt Ion	Ratio	Lower	Upper
198	100		
51	58.3	31.9	71.9
105	51.6	28.1	68.1



#66
n-Nitrosodiphenylamine
Concen: 10.376 ng
RT: 15.833 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	35.8	29.0	43.4

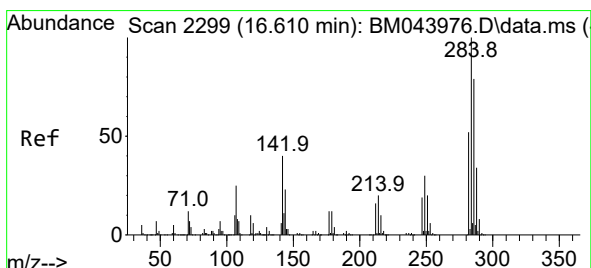
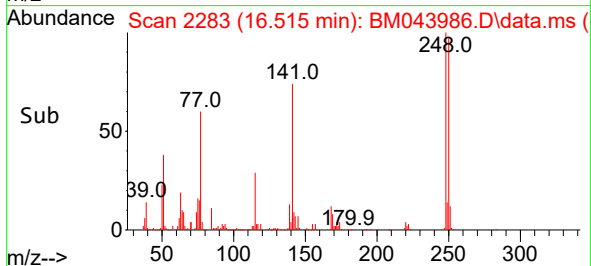
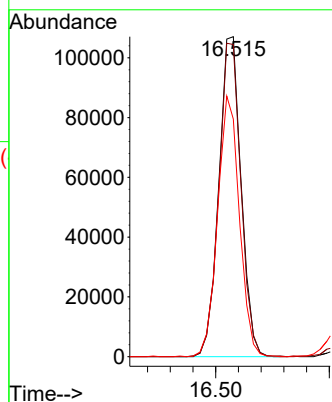
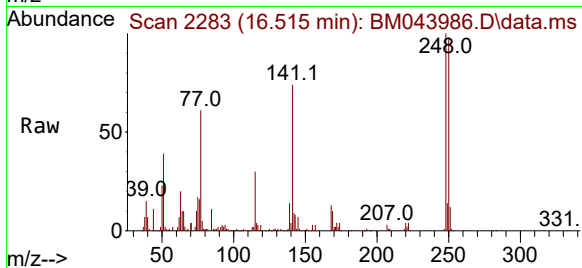




#67
4-Bromophenyl-phenylether
Concen: 9.555 ng
RT: 16.515 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

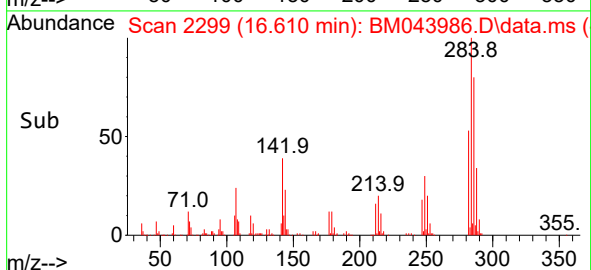
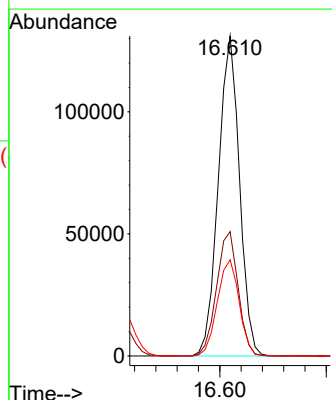
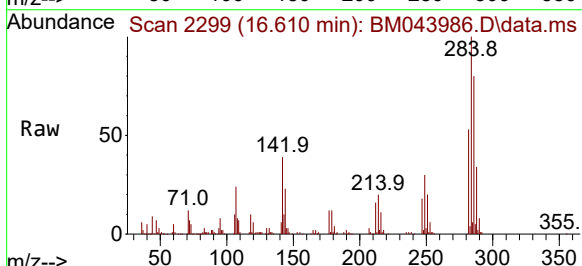
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

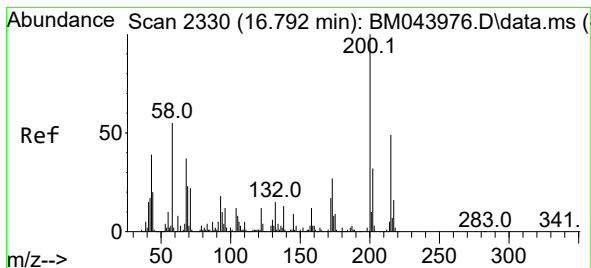
Tgt Ion:248 Resp: 145762
Ion Ratio Lower Upper
248 100
250 97.5 77.0 115.4
141 74.3 59.9 89.9



#68
Hexachlorobenzene
Concen: 9.918 ng
RT: 16.610 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:284 Resp: 180385
Ion Ratio Lower Upper
284 100
142 38.8 32.2 48.4
249 30.1 24.4 36.6





#69

Atrazine

Concen: 12.156 ng

RT: 16.792 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

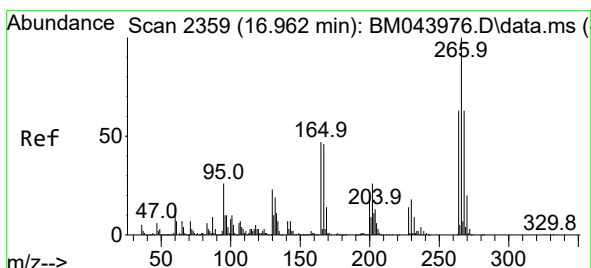
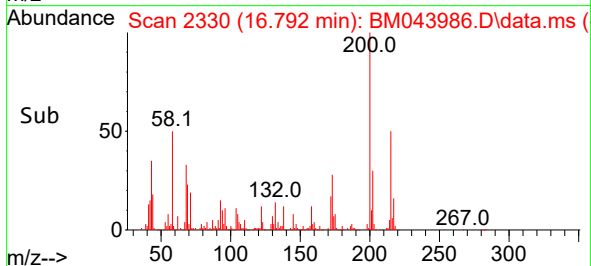
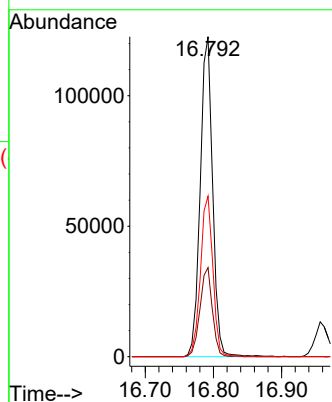
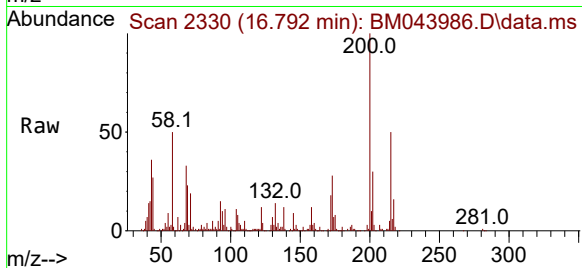
Tgt Ion:200 Resp: 155126

Ion Ratio Lower Upper

200 100

173 27.8 7.3 47.3

215 50.1 28.7 68.7



#70

Pentachlorophenol

Concen: 7.955 ng

RT: 16.957 min Scan# 2358

Delta R.T. -0.005 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

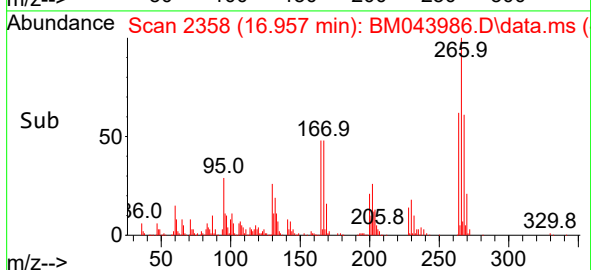
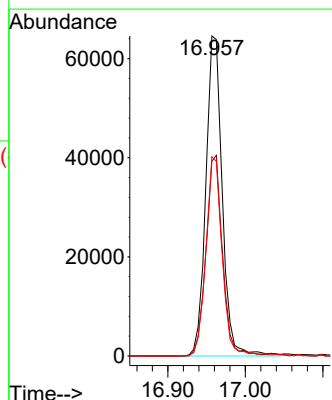
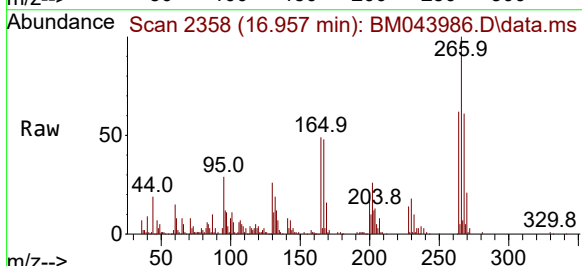
Tgt Ion:266 Resp: 95003

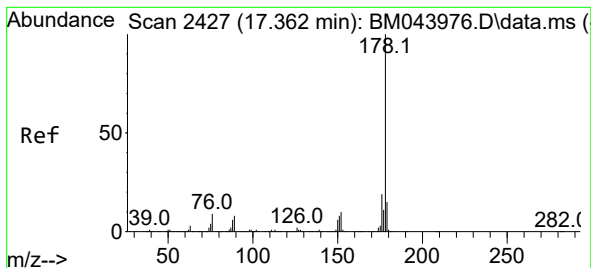
Ion Ratio Lower Upper

266 100

268 60.8 50.6 76.0

264 62.2 50.6 76.0





#71

Phenanthrene

Concen: 10.582 ng

RT: 17.357 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

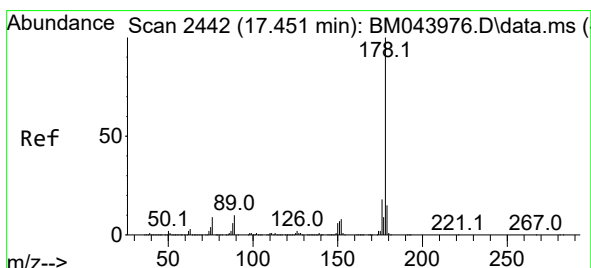
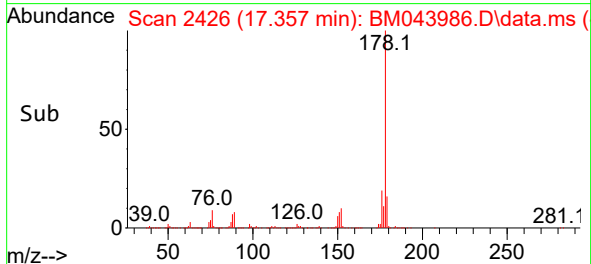
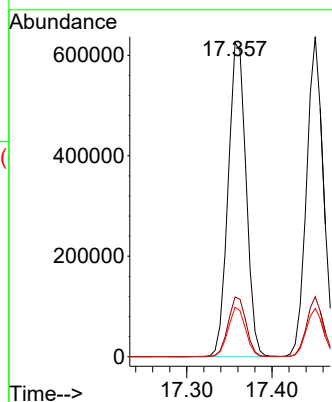
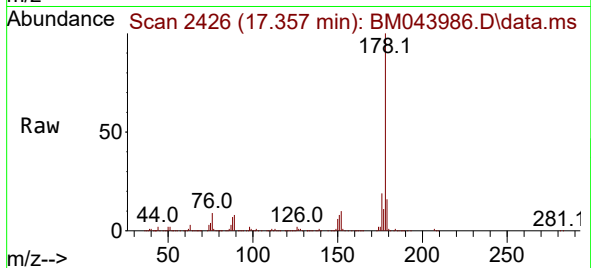
Tgt Ion:178 Resp: 912672

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.8 12.4 18.6



#72

Anthracene

Concen: 10.409 ng

RT: 17.451 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

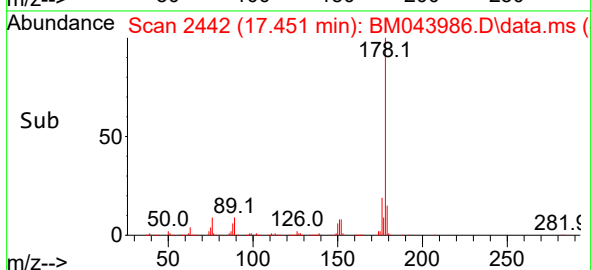
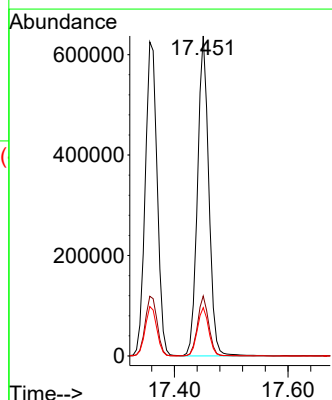
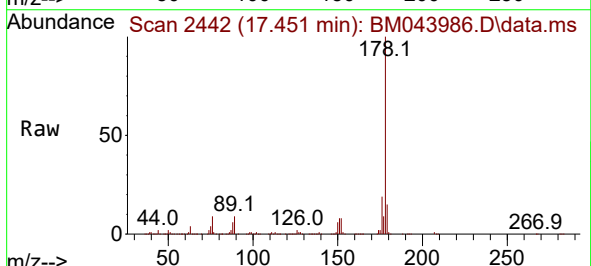
Tgt Ion:178 Resp: 878964

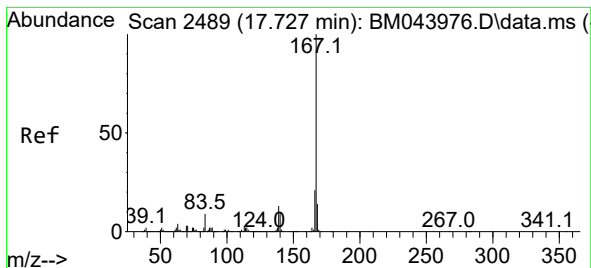
Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

179 15.1 12.2 18.4





#73

Carbazole

Concen: 9.836 ng

RT: 17.727 min Scan# 2489

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

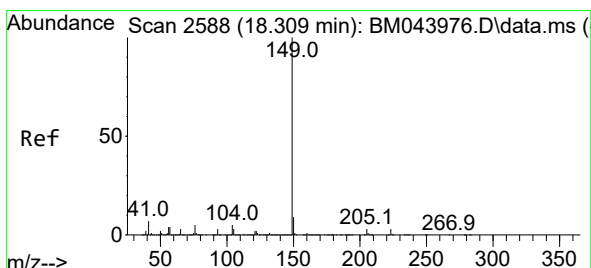
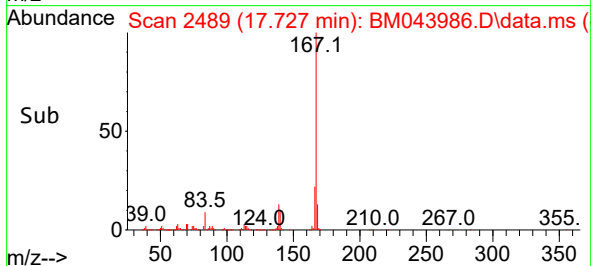
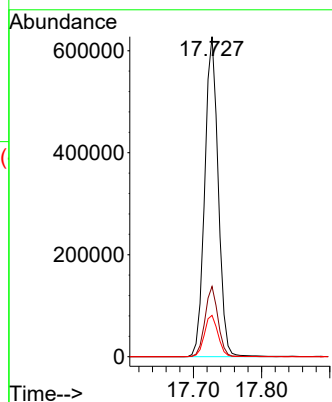
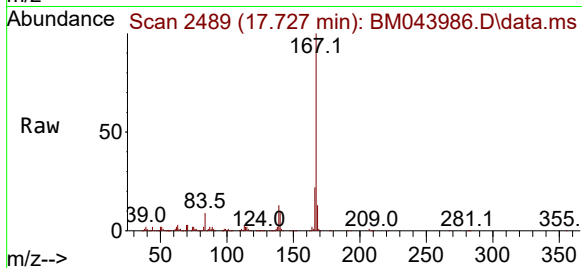
Tgt Ion:167 Resp: 860231

Ion Ratio Lower Upper

167 100

166 22.0 17.1 25.7

139 12.9 10.6 15.8



#74

Di-n-butylphthalate

Concen: 9.426 ng

RT: 18.304 min Scan# 2587

Delta R.T. -0.005 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

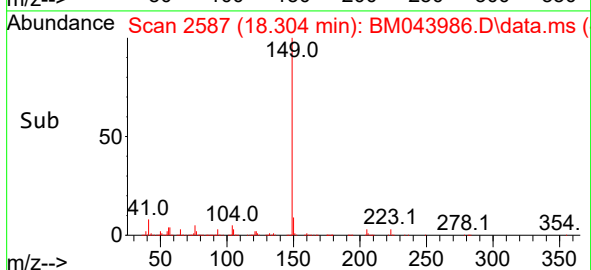
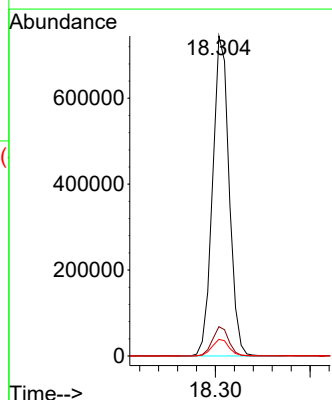
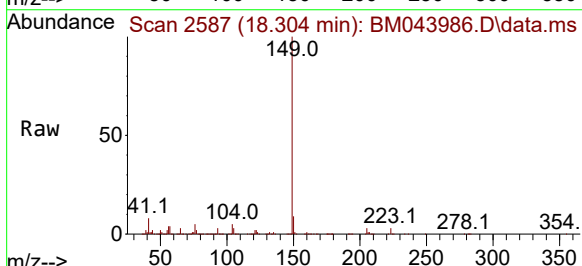
Tgt Ion:149 Resp: 904046

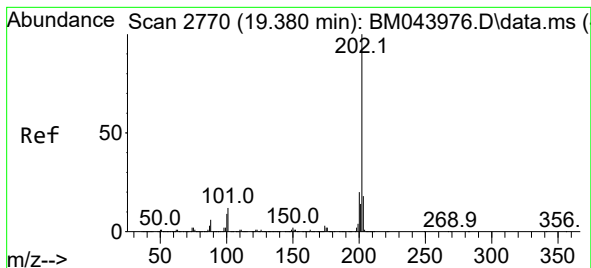
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.2 4.1 6.1





#75

Fluoranthene

Concen: 9.667 ng

RT: 19.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

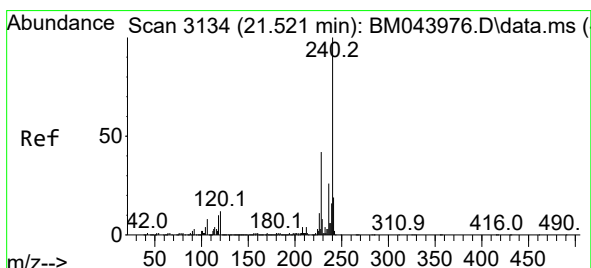
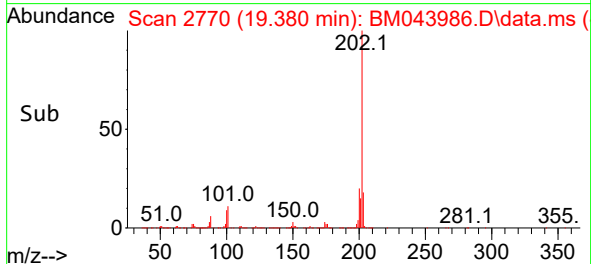
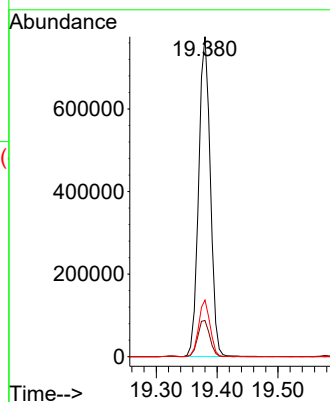
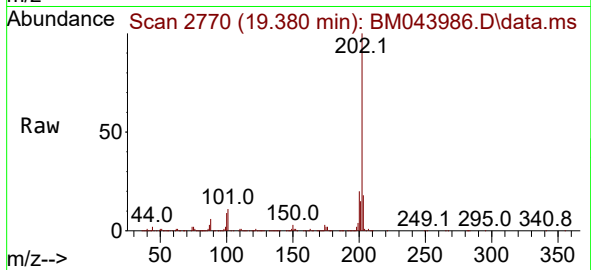
Tgt Ion:202 Resp: 1031078

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.9

203 17.7 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: BM043986.D

Acq: 06 Feb 2024 11:30

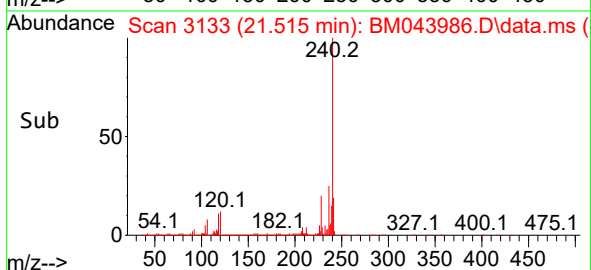
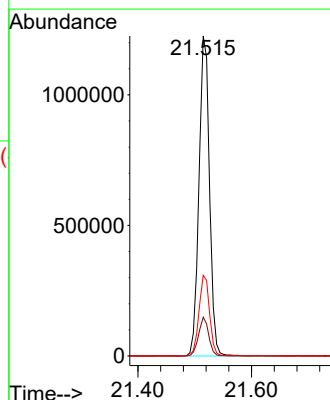
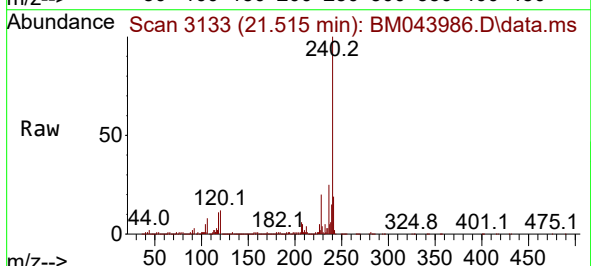
Tgt Ion:240 Resp: 1581309

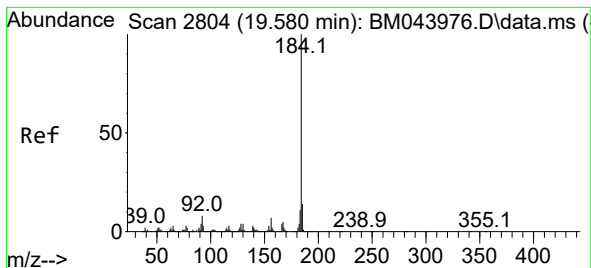
Ion Ratio Lower Upper

240 100

120 12.1 9.3 13.9

236 25.2 20.5 30.7





#77

Benzidine

Concen: 22.450 ng

RT: 19.580 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

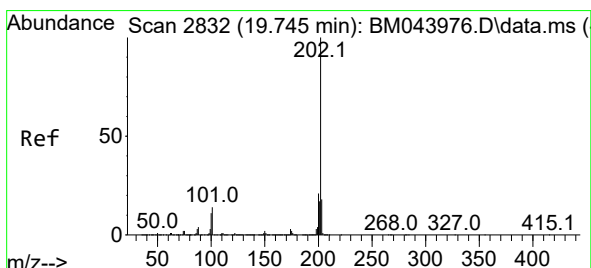
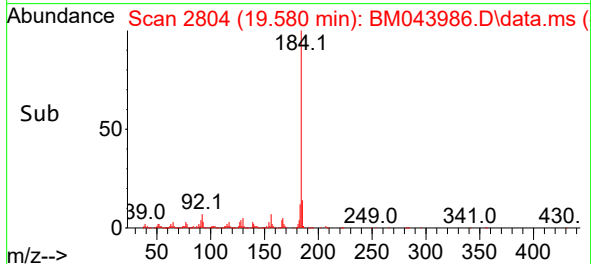
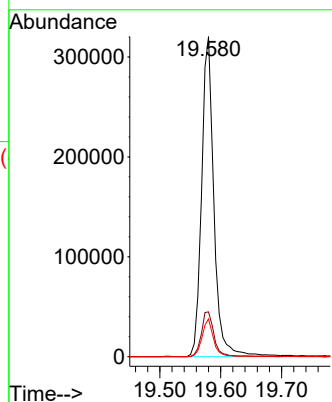
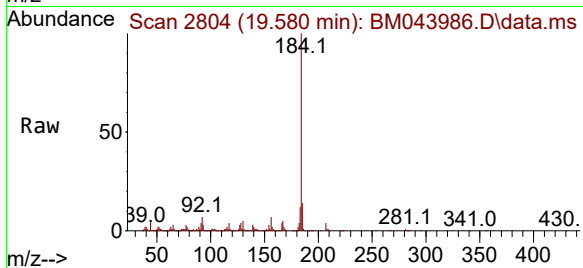
Tgt Ion:184 Resp: 450410

Ion Ratio Lower Upper

184 100

185 14.0 11.5 17.3

183 11.8 8.9 13.3



#78

Pyrene

Concen: 10.254 ng

RT: 19.745 min Scan# 2832

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

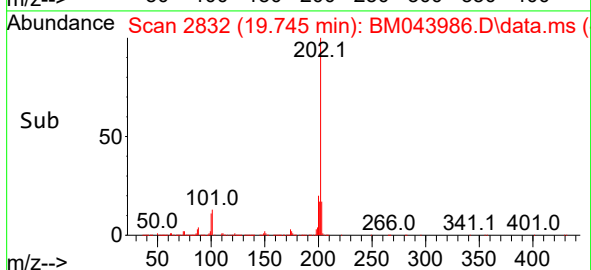
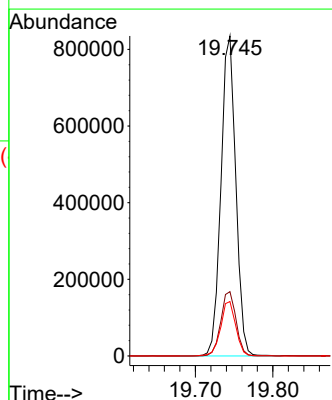
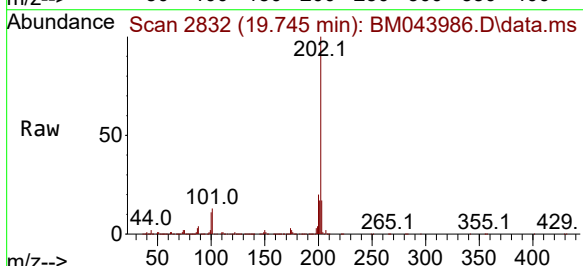
Tgt Ion:202 Resp: 1114642

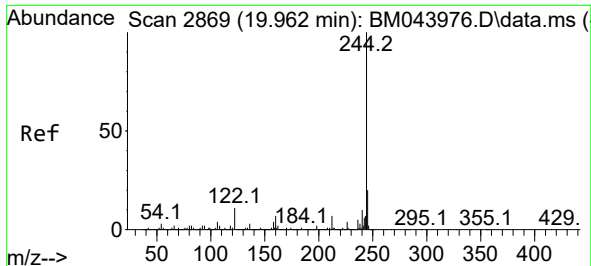
Ion Ratio Lower Upper

202 100

200 20.1 16.8 25.2

203 17.0 14.2 21.4

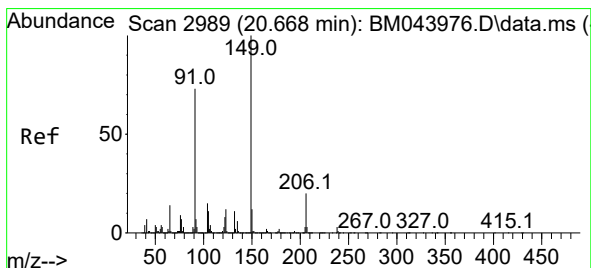
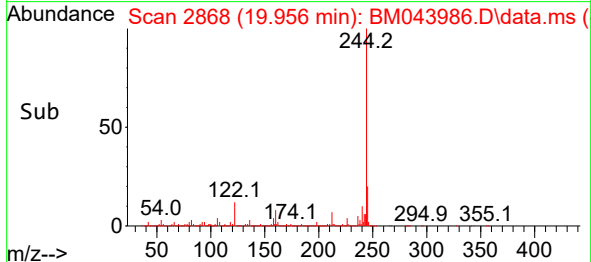
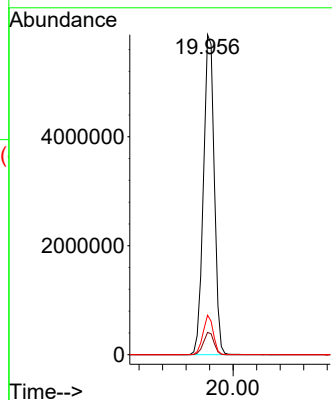
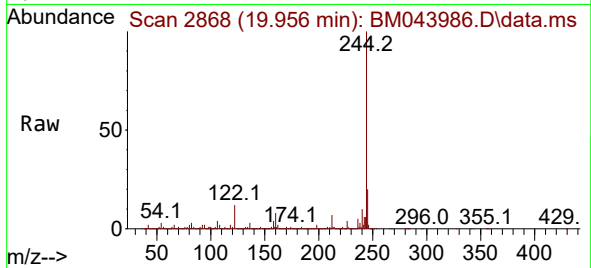




#79
 Terphenyl-d14
 Concen: 92.066 ng
 RT: 19.956 min Scan# 2868
 Delta R.T. -0.006 min
 Lab File: BM043986.D
 Acq: 06 Feb 2024 11:30

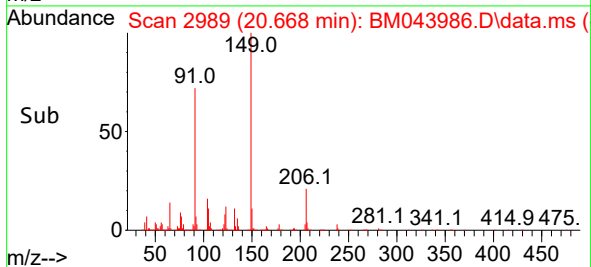
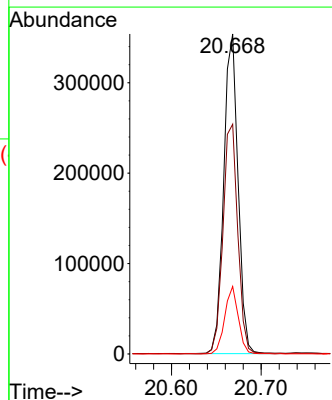
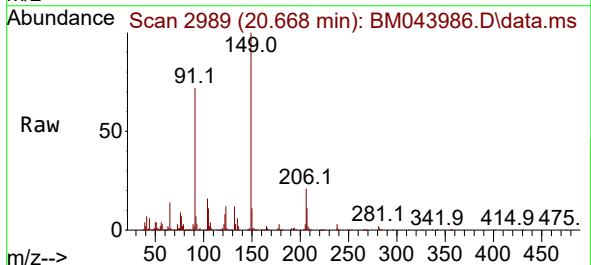
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

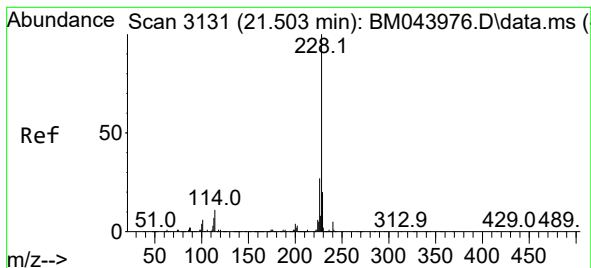
Tgt Ion:244 Resp: 7541615
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 12.3 8.7 13.1



#80
 Butylbenzylphthalate
 Concen: 9.119 ng
 RT: 20.668 min Scan# 2989
 Delta R.T. 0.000 min
 Lab File: BM043986.D
 Acq: 06 Feb 2024 11:30

Tgt Ion:149 Resp: 392481
 Ion Ratio Lower Upper
 149 100
 91 71.8 58.4 87.6
 206 21.1 15.8 23.6





#81

Benzo(a)anthracene

Concen: 10.453 ng

RT: 21.503 min Scan# 3131

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

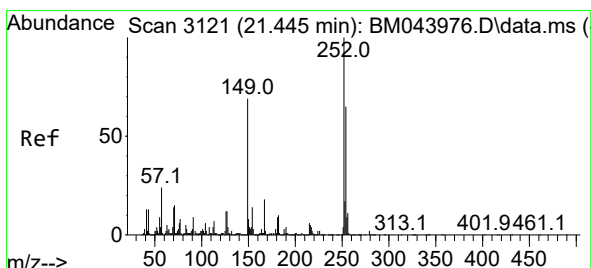
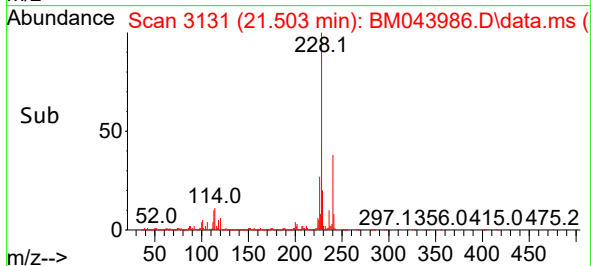
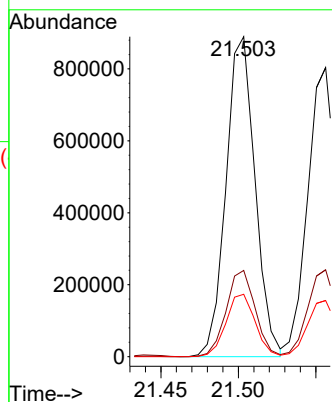
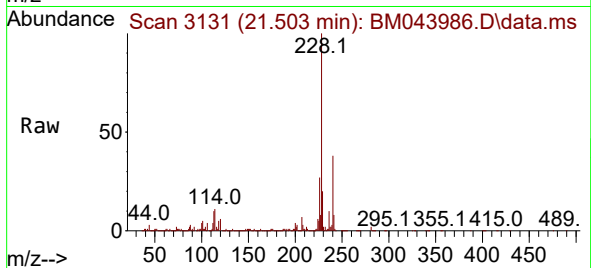
Tgt Ion:228 Resp: 1159636

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 19.5 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 10.640 ng

RT: 21.445 min Scan# 3121

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

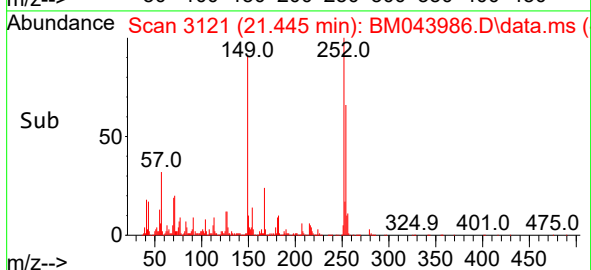
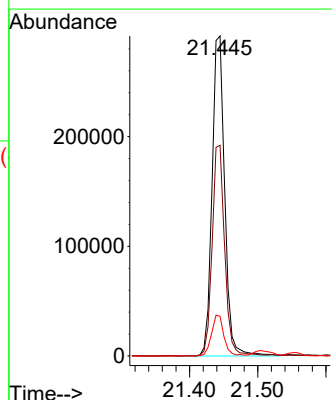
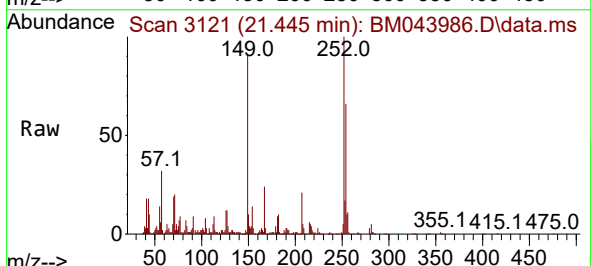
Tgt Ion:252 Resp: 377432

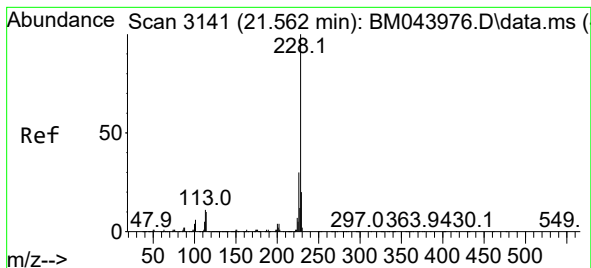
Ion Ratio Lower Upper

252 100

254 65.8 51.6 77.4

126 12.4 9.4 14.2





#83

Chrysene

Concen: 10.145 ng

RT: 21.556 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

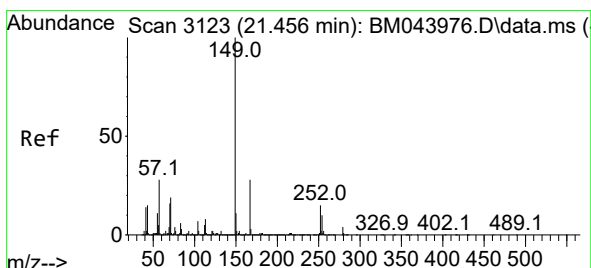
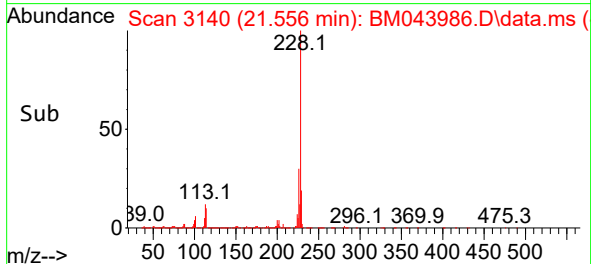
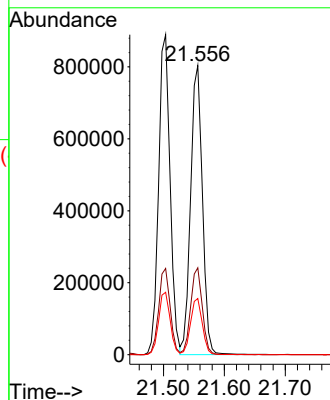
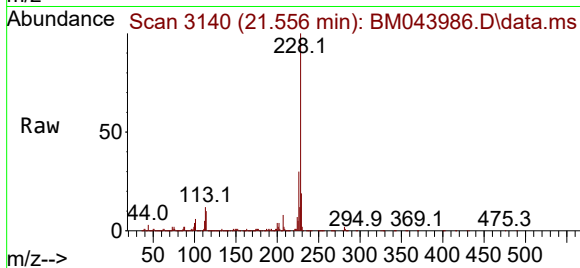
Tgt Ion:228 Resp: 1078248

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

229 19.5 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.309 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

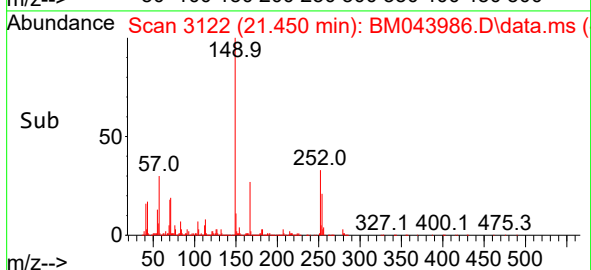
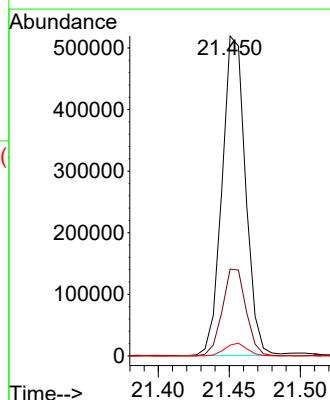
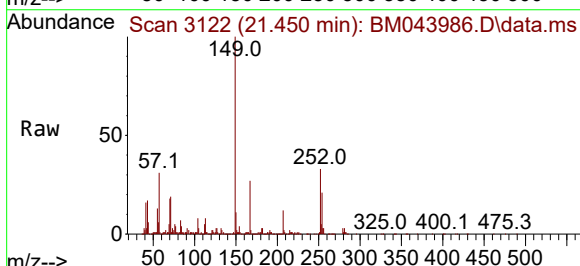
Tgt Ion:149 Resp: 595887

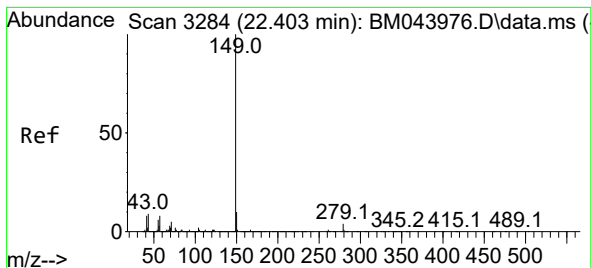
Ion Ratio Lower Upper

149 100

167 27.1 22.0 33.0

279 3.4 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 8.750 ng

RT: 22.397 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

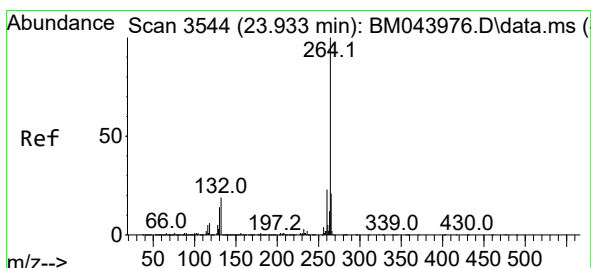
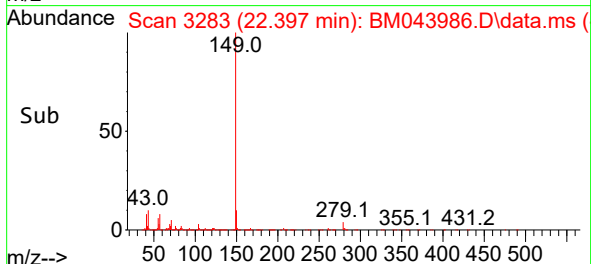
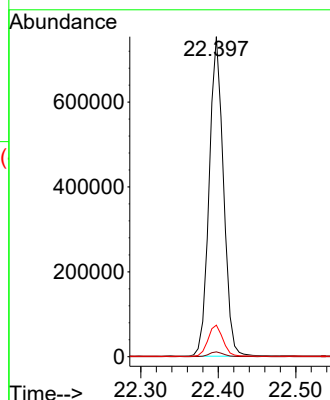
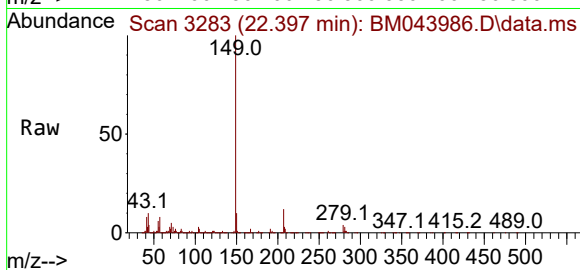
Tgt Ion:149 Resp: 964883

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.4 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3543

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

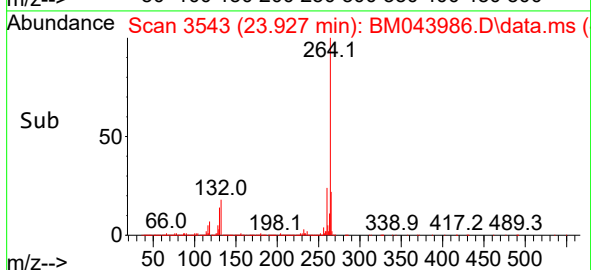
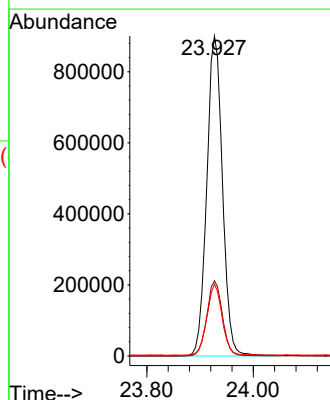
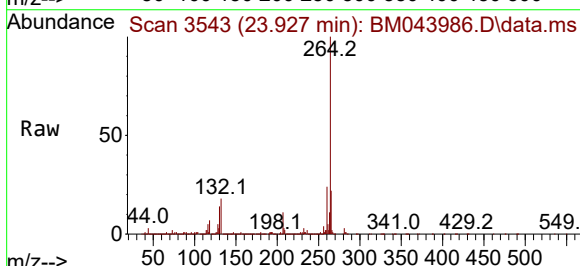
Tgt Ion:264 Resp: 1845631

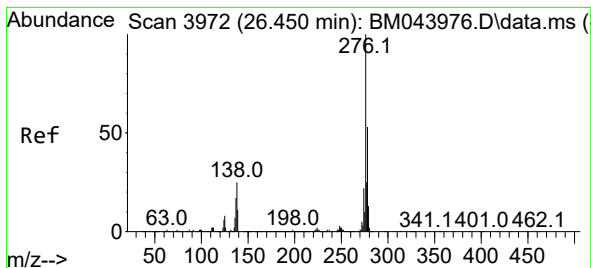
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.916 ng

RT: 26.427 min Scan# 3968

Delta R.T. -0.023 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

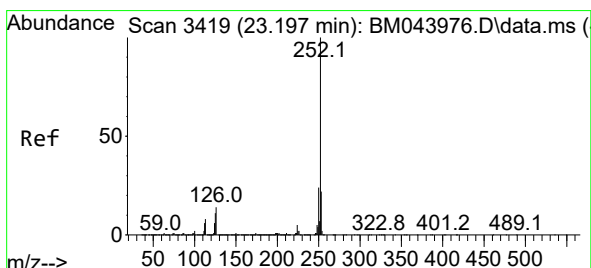
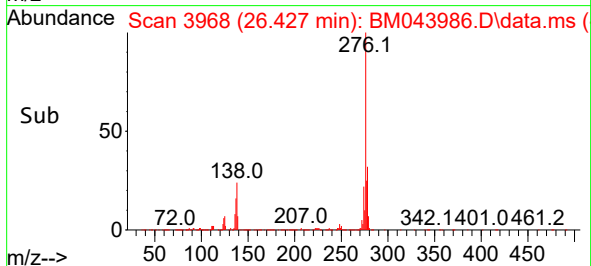
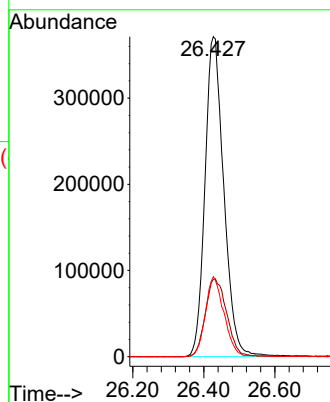
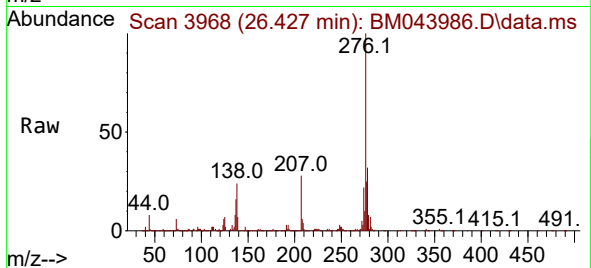
Tgt Ion:276 Resp: 1369467

Ion Ratio Lower Upper

276 100

138 27.5 21.8 32.6

277 24.8 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 9.826 ng

RT: 23.192 min Scan# 3418

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

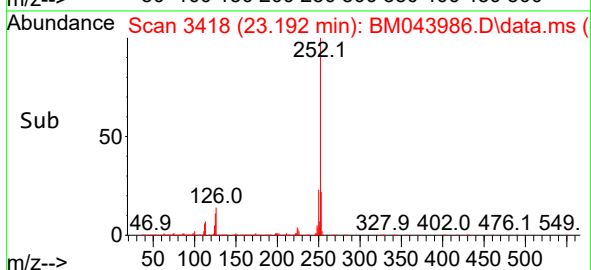
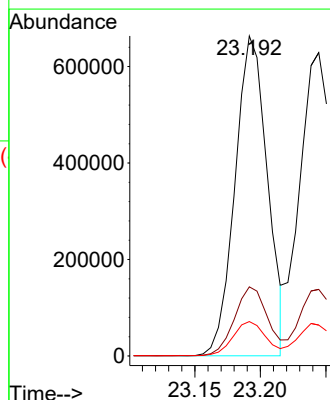
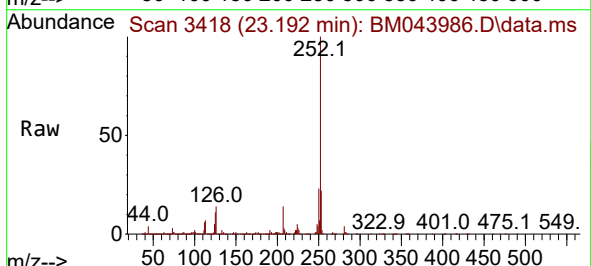
Tgt Ion:252 Resp: 1140759

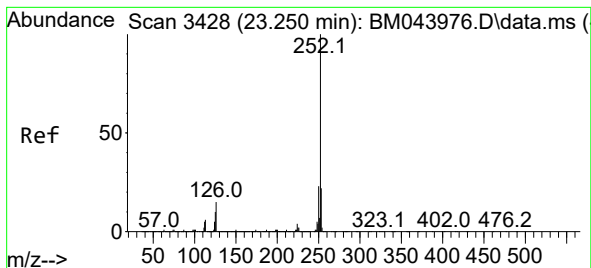
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 10.8 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 10.219 ng

RT: 23.244 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

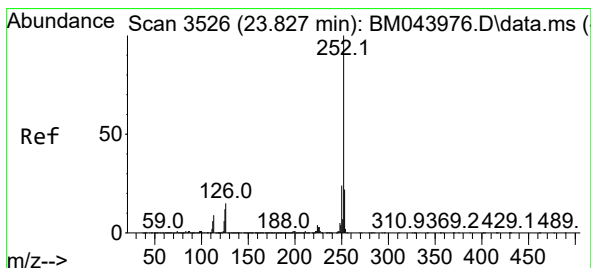
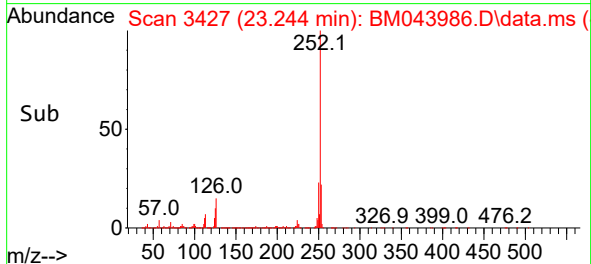
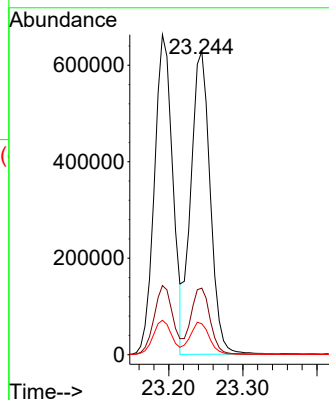
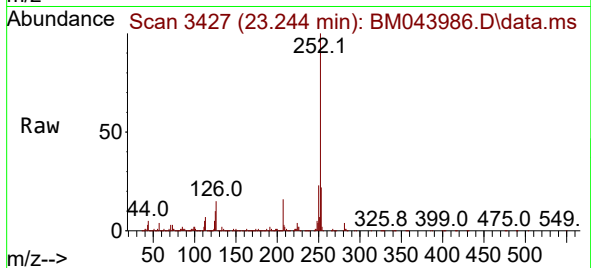
Tgt Ion:252 Resp: 1138185

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.2 8.3 12.5



#90

Benzo(a)pyrene

Concen: 9.827 ng

RT: 23.821 min Scan# 3525

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

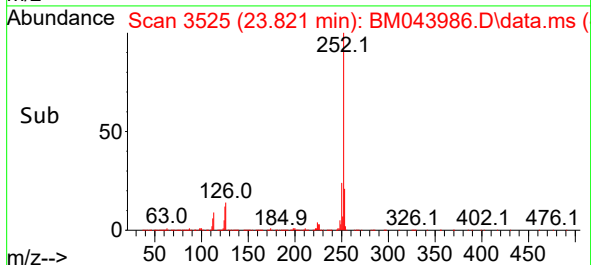
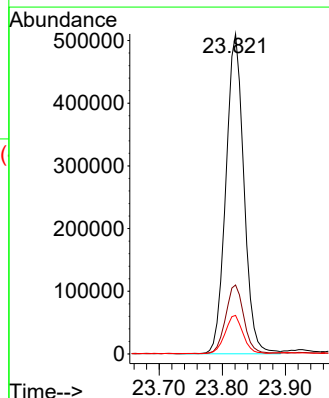
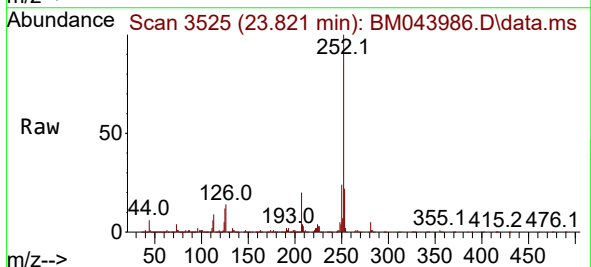
Tgt Ion:252 Resp: 1008425

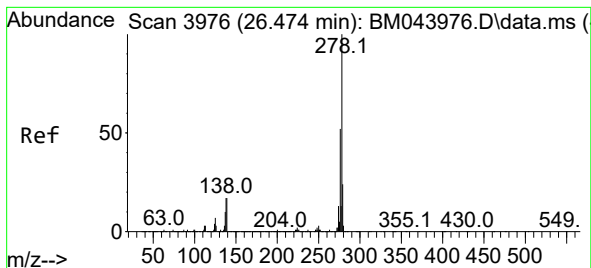
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 12.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 9.953 ng

RT: 26.456 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

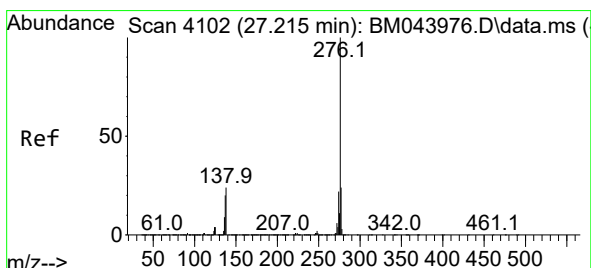
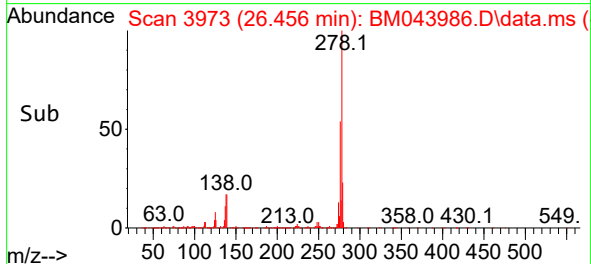
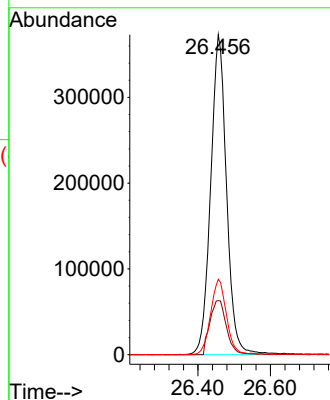
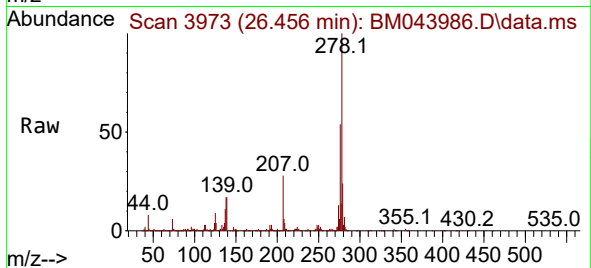
Tgt Ion:278 Resp: 1133538

Ion Ratio Lower Upper

278 100

139 16.9 13.7 20.5

279 23.5 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 9.613 ng

RT: 27.191 min Scan# 4098

Delta R.T. -0.023 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Tgt Ion:276 Resp: 1116756

Ion Ratio Lower Upper

276 100

277 23.0 19.0 28.4

138 24.3 18.8 28.2

