

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
 Data File : BF132156.D
 Acq On : 20 Jan 2023 11:07
 Operator : CG\JU
 Sample : N3980-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Jan 21 02:30:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 02:30:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.090	152	179664	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	622297	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	338191	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	666082	20.000	ng	0.00
76) Chrysene-d12	14.301	240	515805	20.000	ng	0.00
86) Perylene-d12	15.901	264	384384	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.707	112	1051575	102.245	ng	0.00
7) Phenol-d6	6.701	99	1349439	104.230	ng	0.00
23) Nitrobenzene-d5	7.654	82	856674	73.131	ng	0.00
42) 2,4,6-Tribromophenol	10.936	330	422281	116.898	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	1488064	64.295	ng	0.00
79) Terphenyl-d14	13.236	244	1798209	58.398	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.031	88	26480	5.082	ng	100
3) Pyridine	3.819	79	68640	4.907	ng	97
4) n-Nitrosodimethylamine	3.731	42	33639	5.114	ng	99
6) Aniline	6.754	93	99943	5.573	ng	95
8) 2-Chlorophenol	6.872	128	62934	5.821	ng	98
9) Benzaldehyde	6.643	77	53659	6.442	ng	99
10) Phenol	6.713	94	76103	5.646	ng	97
11) bis(2-Chloroethyl)ether	6.819	93	67954	5.956	ng	93
12) 1,3-Dichlorobenzene	7.031	146	74760	6.186	ng	98
13) 1,4-Dichlorobenzene	7.107	146	74857	6.208	ng	96
14) 1,2-Dichlorobenzene	7.260	146	70348	6.309	ng	97
15) Benzyl Alcohol	7.219	79	45242	4.569	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.354	45	95155	5.738	ng	97
17) 2-Methylphenol	7.319	107	51003	5.385	ng	96
18) Hexachloroethane	7.607	117	25565	5.906	ng	93
19) n-Nitroso-di-n-propyla...	7.484	70	47400	5.977	ng	98
20) 3+4-Methylphenols	7.472	107	67115	5.624	ng	95
22) Acetophenone	7.490	105	87921	5.878	ng	97
24) Nitrobenzene	7.666	77	73271	5.908	ng	96
25) Isophorone	7.901	82	124660	5.439	ng	98
26) 2-Nitrophenol	7.984	139	23930	6.065	ng	99
27) 2,4-Dimethylphenol	8.007	122	46906	4.729	ng	97
28) bis(2-Chloroethoxy)met...	8.107	93	78989	5.744	ng	98
29) 2,4-Dichlorophenol	8.219	162	52137	5.537	ng	97
30) 1,2,4-Trichlorobenzene	8.313	180	63185	5.908	ng	99
31) Naphthalene	8.395	128	193067	6.041	ng	99
32) Benzoic acid	8.048	122	18052	3.108	ng	# 84
33) 4-Chloroaniline	8.437	127	77119	5.639	ng	98
34) Hexachlorobutadiene	8.513	225	42362	5.896	ng	98
35) Caprolactam	8.766	113	13114	4.911	ng	94
36) 4-Chloro-3-methylphenol	8.901	107	51994	5.487	ng	98
37) 2-Methylnaphthalene	9.089	142	129754	5.897	ng	99
38) 1-Methylnaphthalene	9.189	142	123564	6.035	ng	96
40) 1,2,4,5-Tetrachloroben...	9.254	216	65723	5.585	ng	99
41) Hexachlorocyclopentadiene	9.242	237	27883	4.342	ng	99
43) 2,4,6-Trichlorophenol	9.360	196	37844	5.182	ng	98

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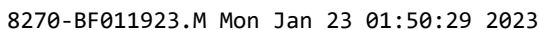
Instrument :
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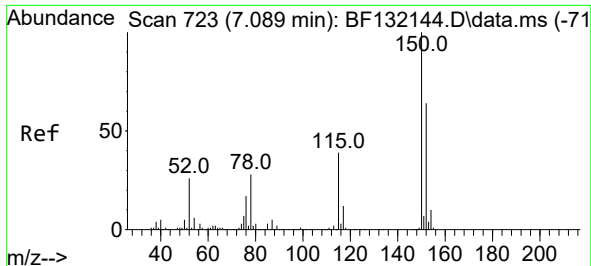
Quant Time: Jan 21 02:30:40 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.395	196	43876	5.137	ng	99
46) 1,1'-Biphenyl	9.554	154	157515	5.904	ng	99
47) 2-Chloronaphthalene	9.584	162	126602	6.138	ng	97
48) 2-Nitroaniline	9.672	65	29340	4.941	ng	94
49) Acenaphthylene	10.001	152	191146	5.793	ng	99
50) Dimethylphthalate	9.842	163	140246	5.726	ng	100
51) 2,6-Dinitrotoluene	9.907	165	25641	5.401	ng	89
52) Acenaphthene	10.172	154	116860	5.888	ng	99
53) 3-Nitroaniline	10.078	138	27260	5.371	ng	99
54) 2,4-Dinitrophenol	10.184	184	7540	4.119	ng	# 1
55) Dibenzofuran	10.348	168	182121	5.938	ng	97
56) 4-Nitrophenol	10.219	139	18118	4.905	ng	98
57) 2,4-Dinitrotoluene	10.313	165	29104	5.107	ng	# 93
58) Fluorene	10.689	166	142255	6.260	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.460	232	34358	5.288	ng	99
60) Diethylphthalate	10.548	149	135323	5.634	ng	98
61) 4-Chlorophenyl-phenyle...	10.683	204	71504	5.876	ng	94
62) 4-Nitroaniline	10.689	138	26113	5.526	ng	95
63) Azobenzene	10.842	77	135582	5.624	ng	97
65) 4,6-Dinitro-2-methylph...	10.719	198	10612	3.675	ng	94
66) n-Nitrosodiphenylamine	10.795	169	121435	5.693	ng	98
67) 4-Bromophenyl-phenylether	11.178	248	43623	5.373	ng	90
68) Hexachlorobenzene	11.242	284	48836	6.052	ng	96
69) Atrazine	11.319	200	35085	5.331	ng	98
70) Pentachlorophenol	11.430	266	21201	4.089	ng	97
71) Phenanthrene	11.666	178	214744	6.144	ng	99
72) Anthracene	11.713	178	211626	5.984	ng	98
73) Carbazole	11.866	167	189047	6.259	ng	98
74) Di-n-butylphthalate	12.189	149	190779	5.674	ng	99
75) Fluoranthene	12.860	202	228651	6.368	ng	97
77) Benzidine	12.977	184	73464	4.744	ng	96
78) Pyrene	13.095	202	238909	5.026	ng	98
80) Butylbenzylphthalate	13.707	149	62374	4.528	ng	96
81) Benzo(a)anthracene	14.289	228	201545	5.469	ng	98
82) 3,3'-Dichlorobenzidine	14.248	252	45473	4.431	ng	98
83) Chrysene	14.324	228	191442	5.458	ng	98
84) Bis(2-ethylhexyl)phtha...	14.266	149	84757	4.659	ng	100
85) Di-n-octyl phthalate	14.901	149	90941	8.592	ng	97
87) Indeno(1,2,3-cd)pyrene	17.554	276	106748	3.827	ng	98
88) Benzo(b)fluoranthene	15.413	252	137165	5.861	ng	99
89) Benzo(k)fluoranthene	15.448	252	143742	6.022	ng	96
90) Benzo(a)pyrene	15.824	252	104772	4.654	ng	99
91) Dibenzo(a,h)anthracene	17.577	278	94675	4.162	ng	98
92) Benzo(g,h,i)perylene	18.059	276	95992	4.010	ng	97

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

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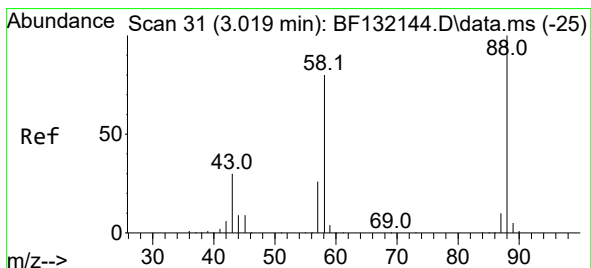
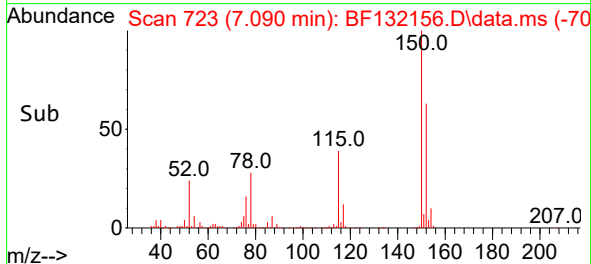
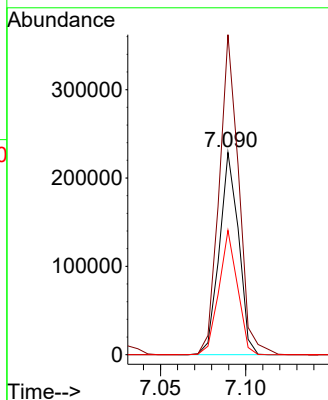
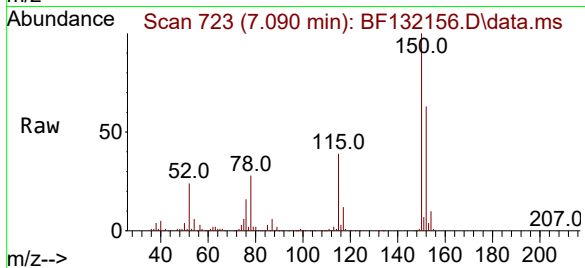




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.090 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

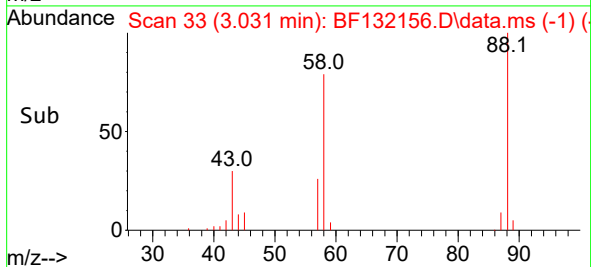
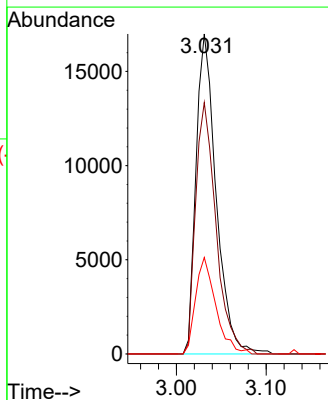
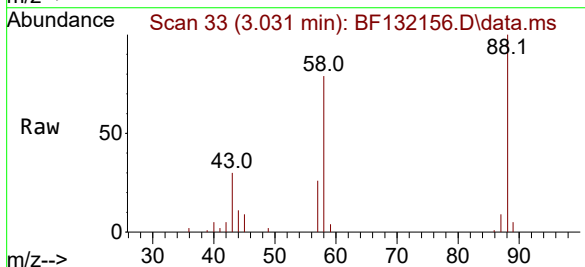
Instrument :
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LOQ-SOIL-02-QT3-2022

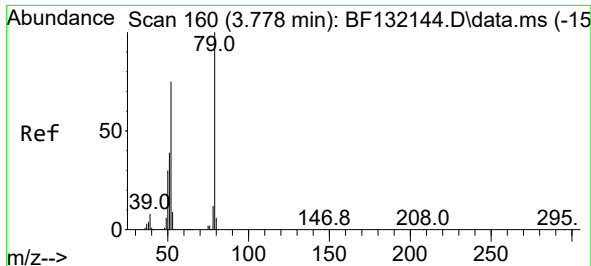
Tgt Ion:152 Resp: 179664
Ion Ratio Lower Upper
152 100
150 158.2 125.8 188.8
115 61.5 49.2 73.8



#2
1,4-Dioxane
Concen: 5.082 ng
RT: 3.031 min Scan# 33
Delta R.T. 0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion: 88 Resp: 26480
Ion Ratio Lower Upper
88 100
58 79.6 64.0 96.0
43 30.3 24.2 36.4

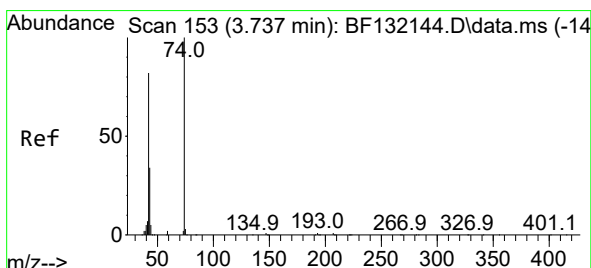
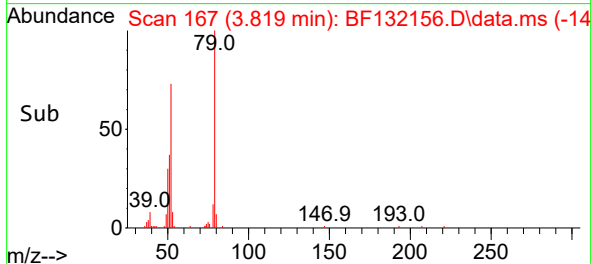
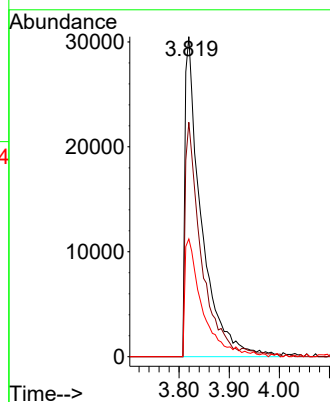
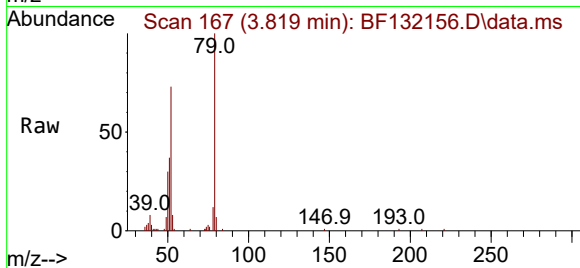




#3
Pyridine
Concen: 4.907 ng
RT: 3.819 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

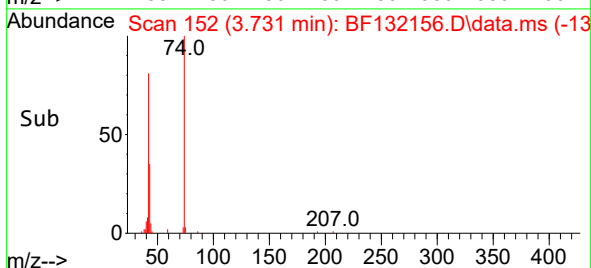
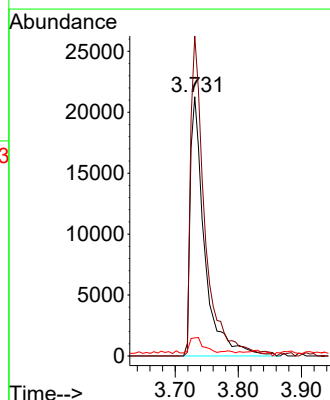
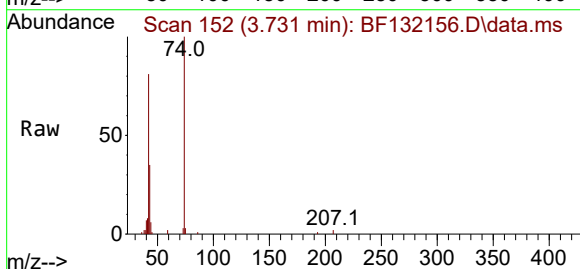
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ClientSampleId :
LOQ-SOIL-02-QT3-2022

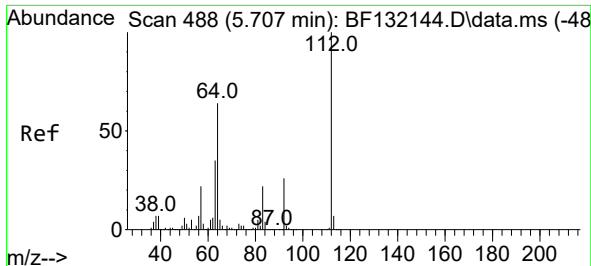
Tgt Ion: 79 Resp: 68640
Ion Ratio Lower Upper
79 100
52 73.2 60.1 90.1
51 36.8 31.4 47.0



#4
n-Nitrosodimethylamine
Concen: 5.114 ng
RT: 3.731 min Scan# 152
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion: 42 Resp: 33639
Ion Ratio Lower Upper
42 100
74 123.4 98.1 147.1
44 7.0 5.2 7.8

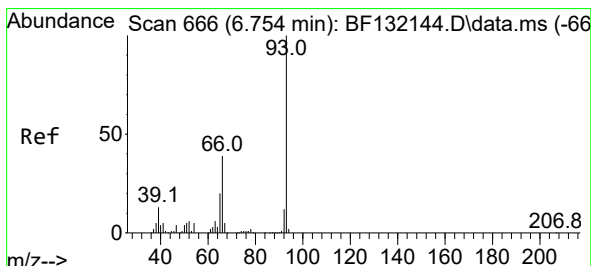
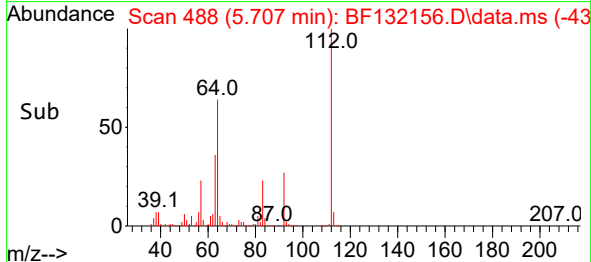
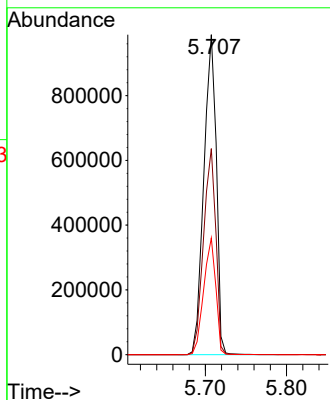
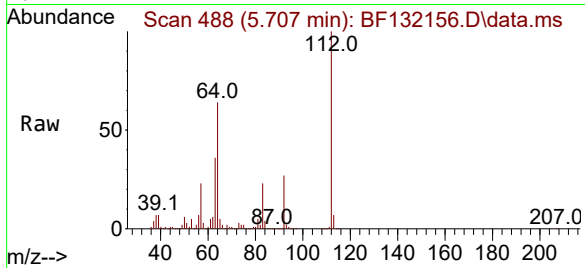




#5
2-Fluorophenol
Concen: 102.245 ng
RT: 5.707 min Scan# 488
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

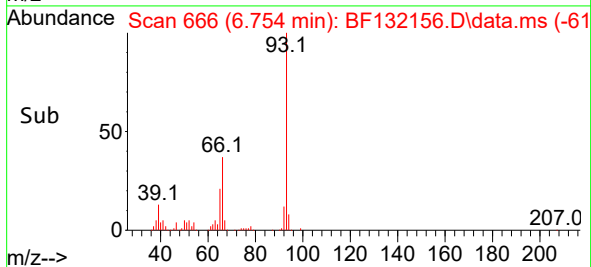
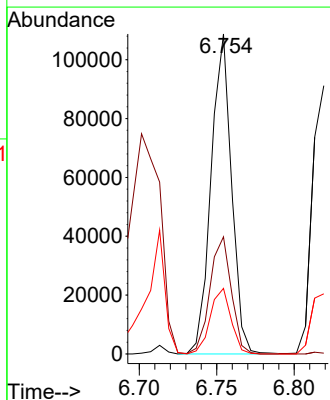
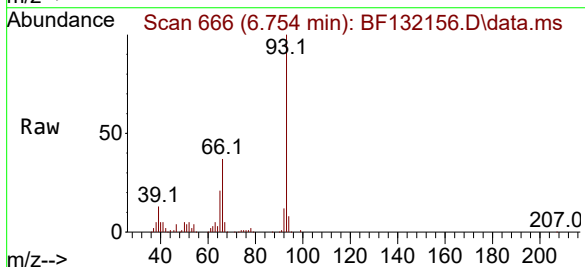
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ClientSampleId :
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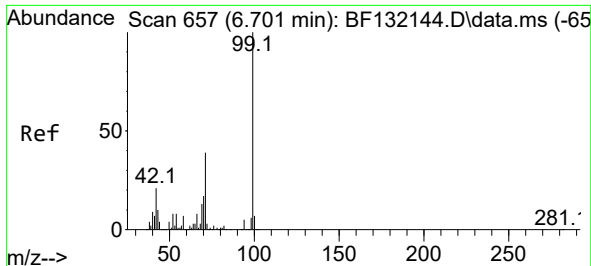
Tgt Ion:112 Resp: 1051575
Ion Ratio Lower Upper
112 100
64 64.4 51.4 77.0
63 36.5 28.2 42.2



#6
Aniline
Concen: 5.573 ng
RT: 6.754 min Scan# 666
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion: 93 Resp: 99943
Ion Ratio Lower Upper
93 100
66 36.6 33.0 49.6
65 20.5 16.8 25.2

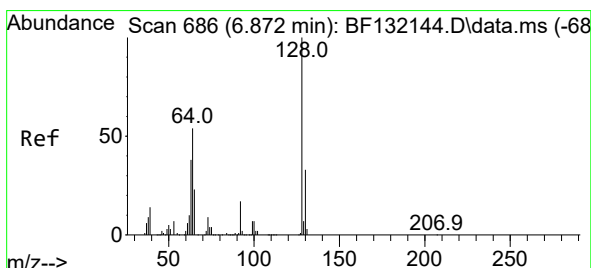
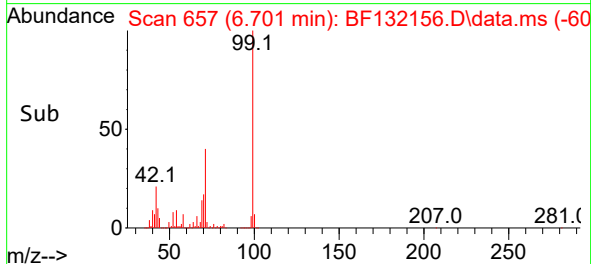
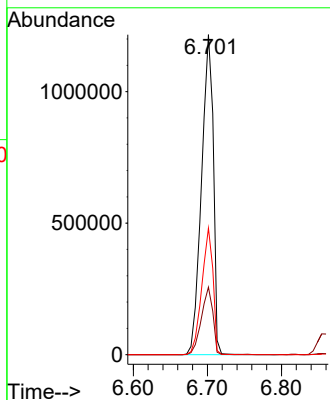
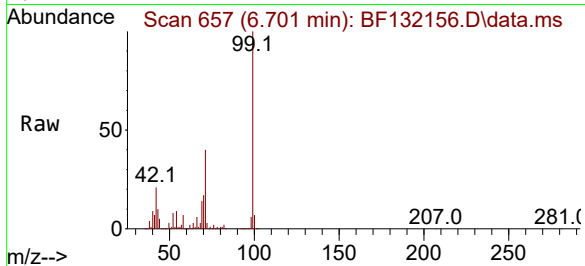




#7
Phenol-d6
Concen: 104.230 ng
RT: 6.701 min Scan# 657
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

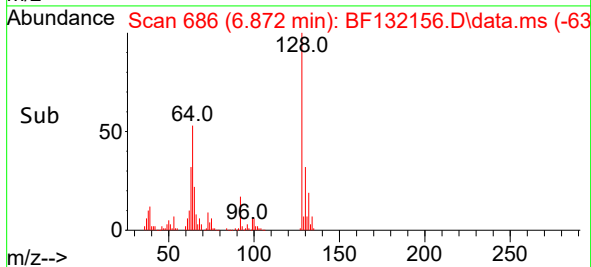
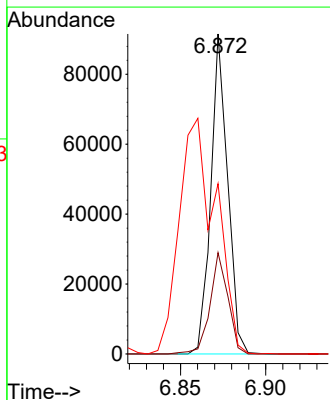
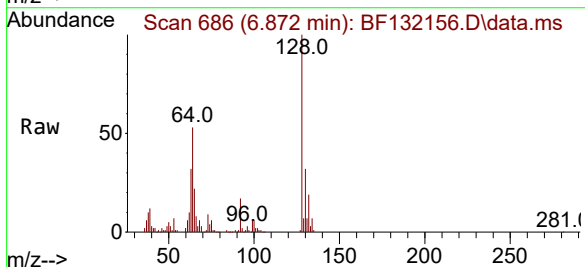
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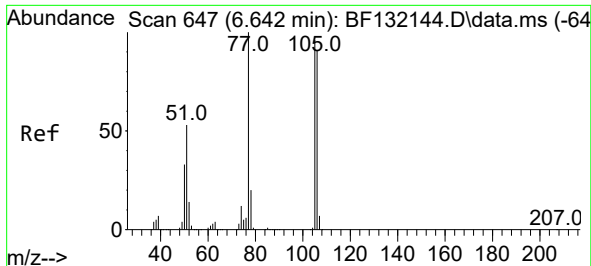
Tgt Ion: 99 Resp: 1349439
Ion Ratio Lower Upper
99 100
42 21.1 16.6 24.8
71 39.5 30.8 46.2



#8
2-Chlorophenol
Concen: 5.821 ng
RT: 6.872 min Scan# 686
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion: 128 Resp: 62934
Ion Ratio Lower Upper
128 100
130 31.6 12.8 52.8
64 53.2 34.8 74.8

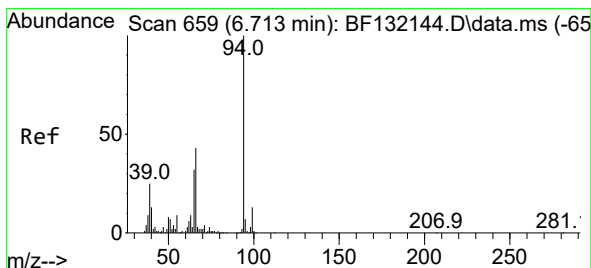
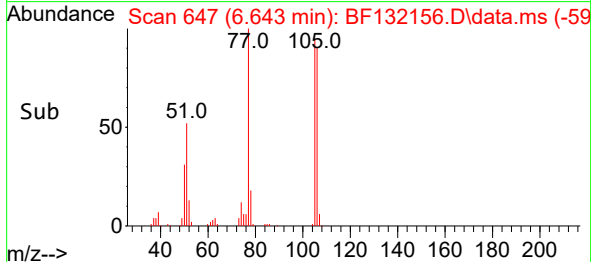
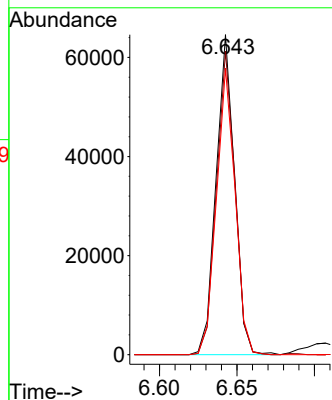
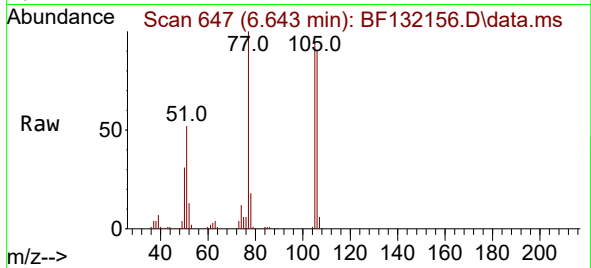




#9
Benzaldehyde
Concen: 6.442 ng
RT: 6.643 min Scan# 647
Delta R.T. 0.001 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

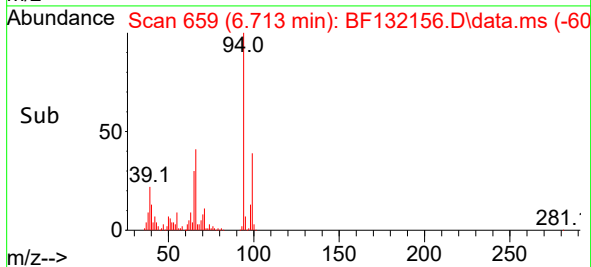
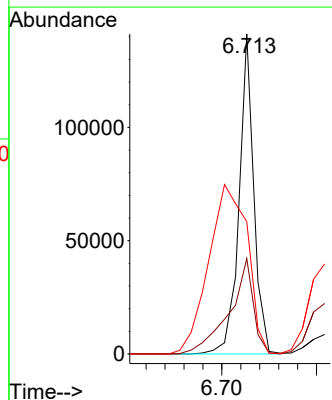
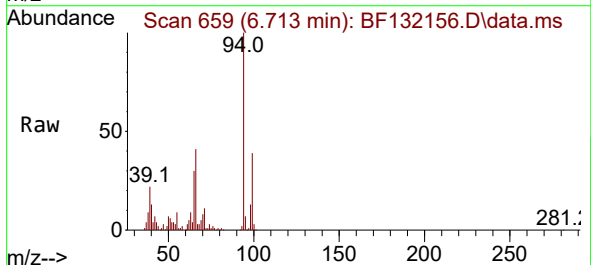
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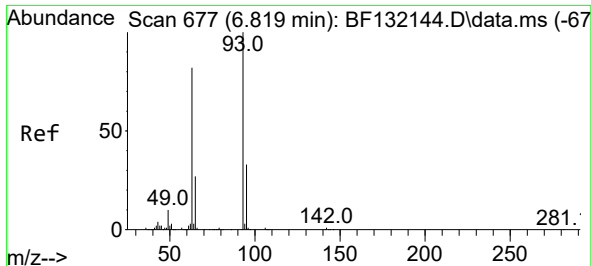
Tgt Ion: 77 Resp: 53659
Ion Ratio Lower Upper
77 100
105 94.9 75.5 115.5
106 89.5 70.7 110.7



#10
Phenol
Concen: 5.646 ng
RT: 6.713 min Scan# 659
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion: 94 Resp: 76103
Ion Ratio Lower Upper
94 100
65 29.8 12.0 52.0
66 41.4 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 5.956 ng

RT: 6.819 min Scan# 61

Delta R.T. 0.000 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

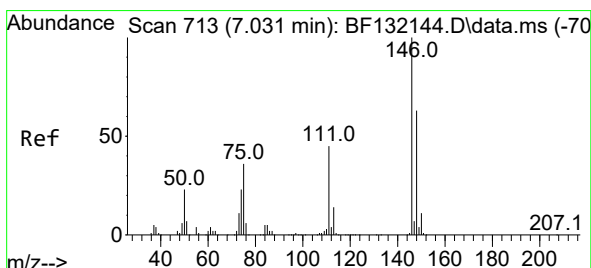
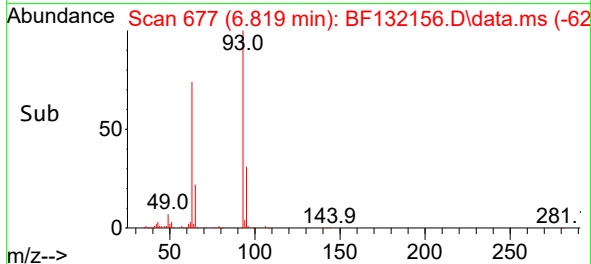
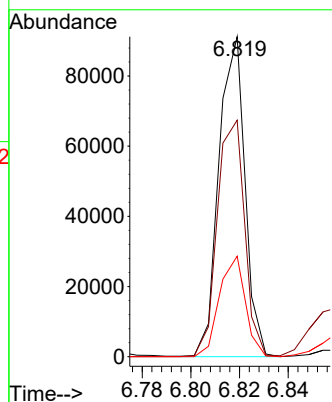
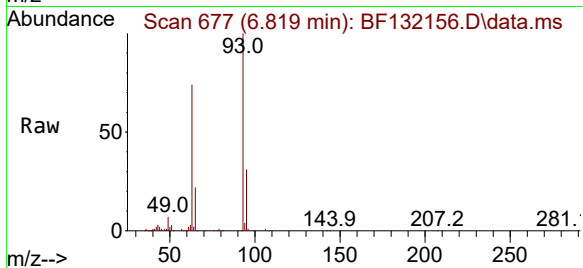
Tgt Ion: 93 Resp: 67954

Ion Ratio Lower Upper

93 100

63 73.9 61.6 101.6

95 31.4 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 6.186 ng

RT: 7.031 min Scan# 713

Delta R.T. 0.000 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

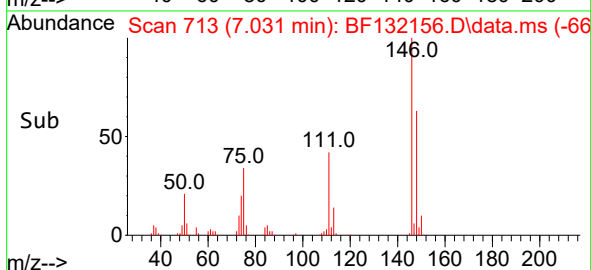
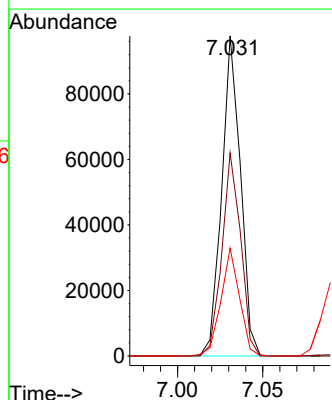
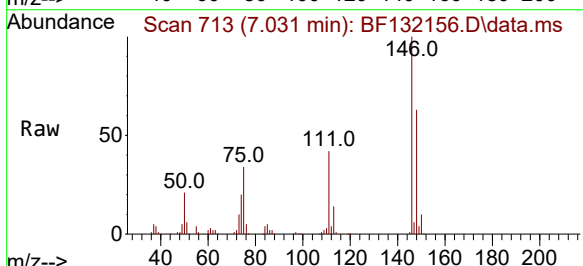
Tgt Ion:146 Resp: 74760

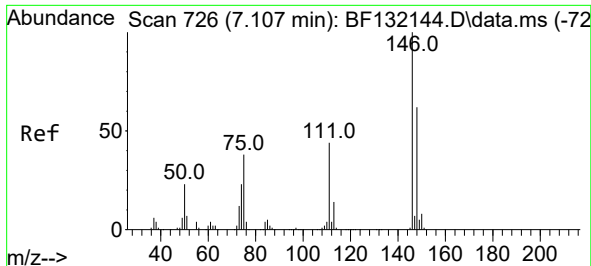
Ion Ratio Lower Upper

146 100

148 63.4 50.0 75.0

75 33.7 28.8 43.2





#13

1,4-Dichlorobenzene

Concen: 6.208 ng

RT: 7.107 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

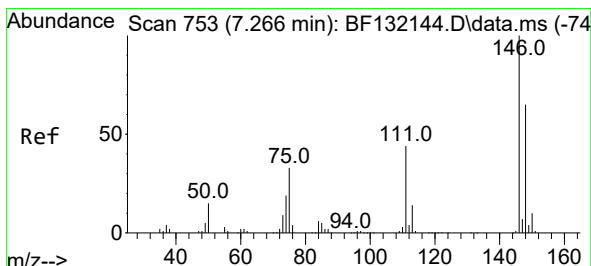
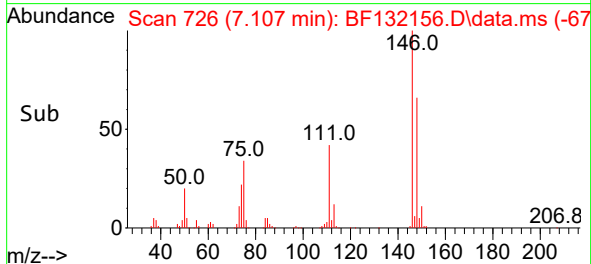
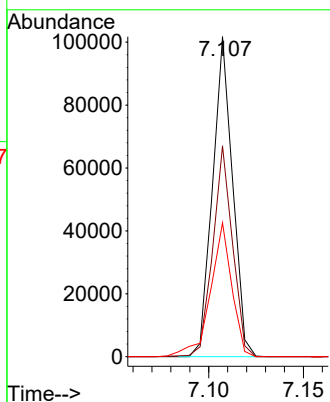
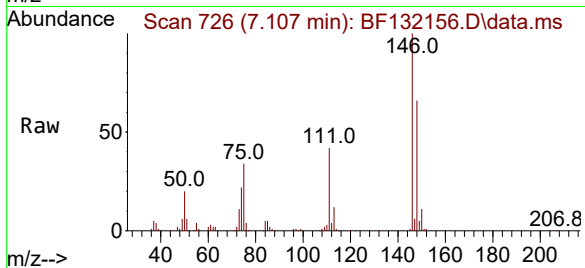
Tgt Ion:146 Resp: 74857

Ion Ratio Lower Upper

146 100

148 65.9 49.9 74.9

111 41.8 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 6.309 ng

RT: 7.260 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

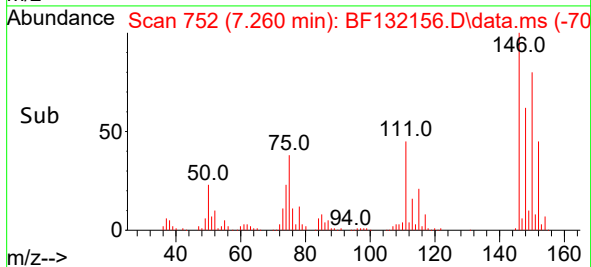
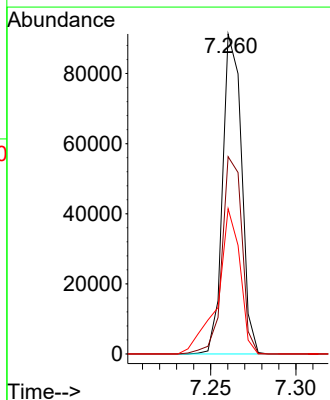
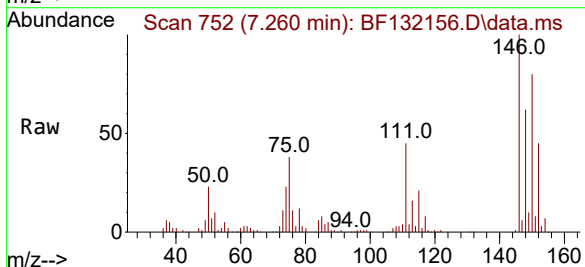
Tgt Ion:146 Resp: 70348

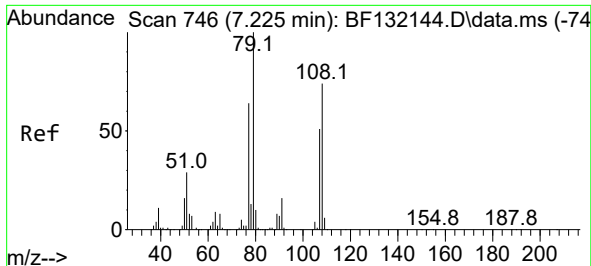
Ion Ratio Lower Upper

146 100

148 61.7 52.0 78.0

111 45.4 35.4 53.2

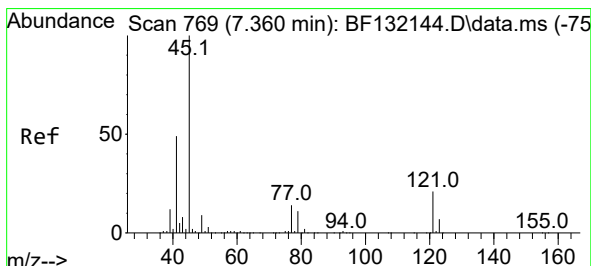
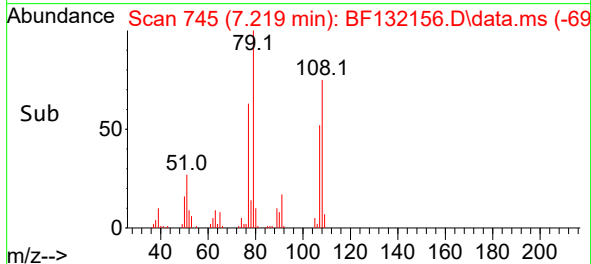
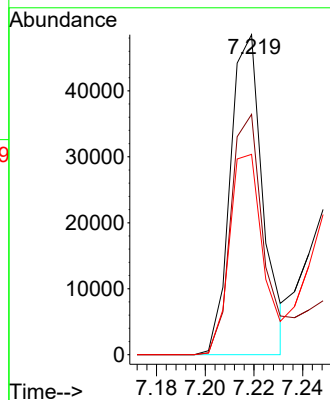
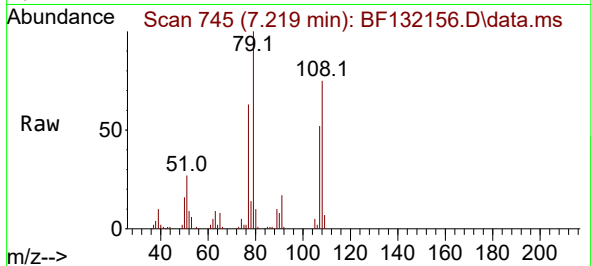




#15
Benzyl Alcohol
Concen: 4.569 ng
RT: 7.219 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

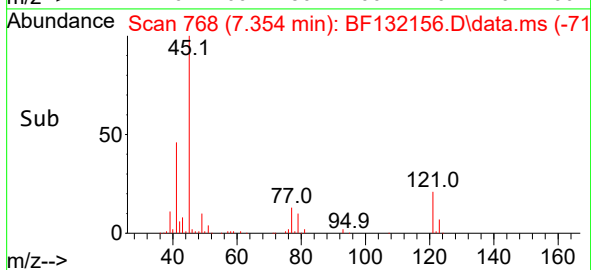
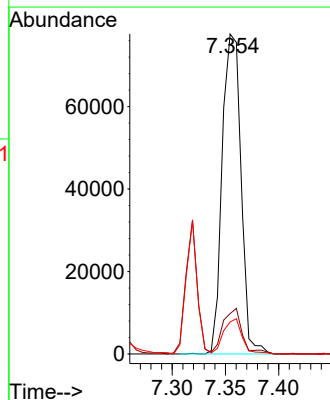
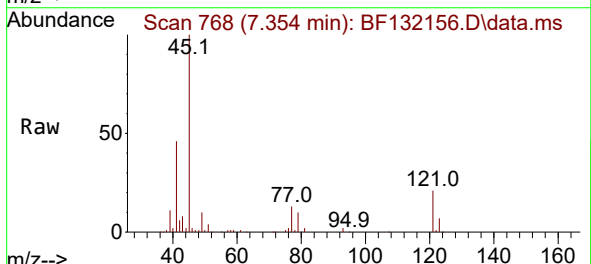
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

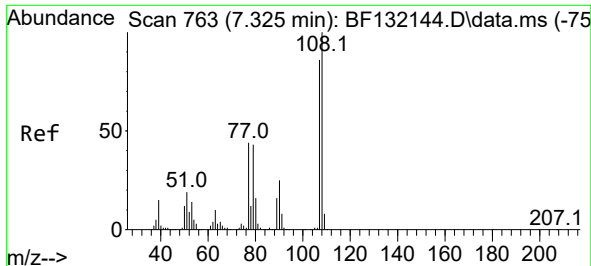
Tgt Ion: 79 Resp: 45242
Ion Ratio Lower Upper
79 100
108 75.1 58.9 88.3
77 62.6 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.738 ng
RT: 7.354 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion: 45 Resp: 95155
Ion Ratio Lower Upper
45 100
77 12.6 0.0 34.3
79 10.0 0.0 30.9

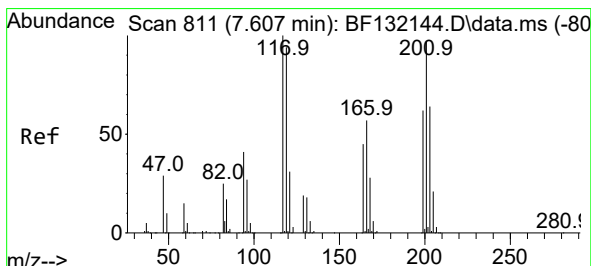
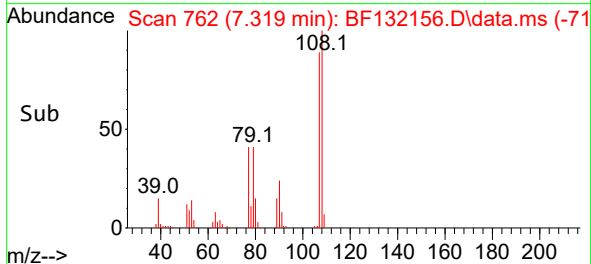
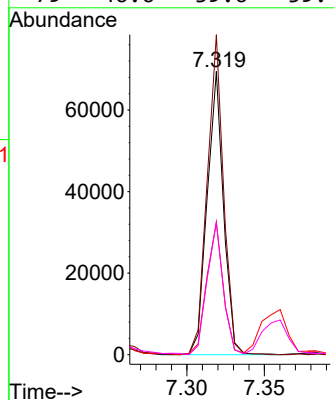
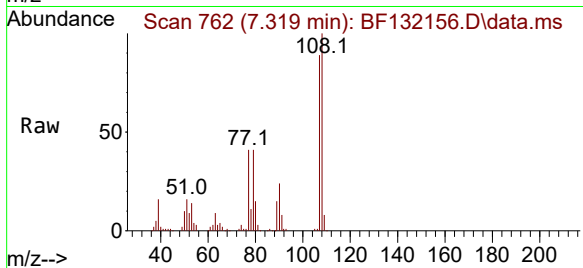




#17
2-Methylphenol
Concen: 5.385 ng
RT: 7.319 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

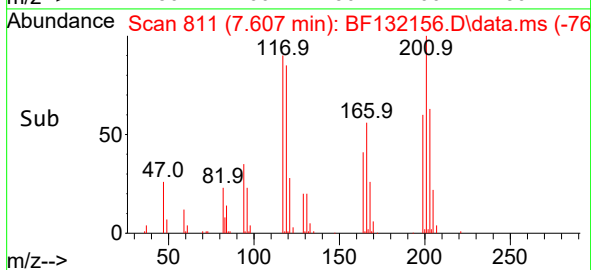
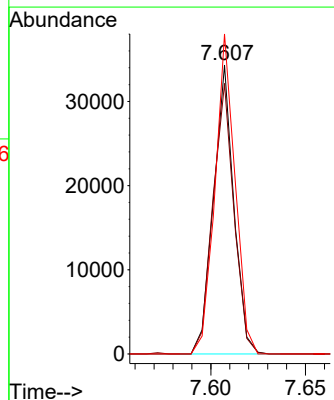
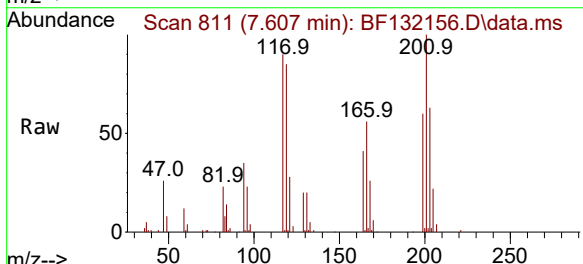
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

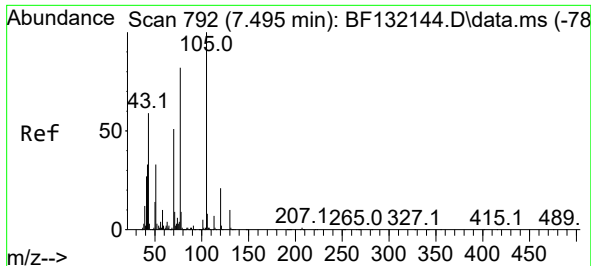
Tgt Ion:	107	Resp:	51003
Ion	Ratio	Lower	Upper
107	100		
108	113.0	92.8	139.2
77	46.8	41.1	61.7
79	46.6	39.6	59.4



#18
Hexachloroethane
Concen: 5.906 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:	117	Resp:	25565
Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.4	113.0
201	110.8	77.9	116.9

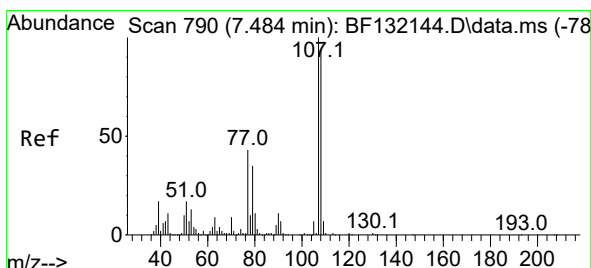
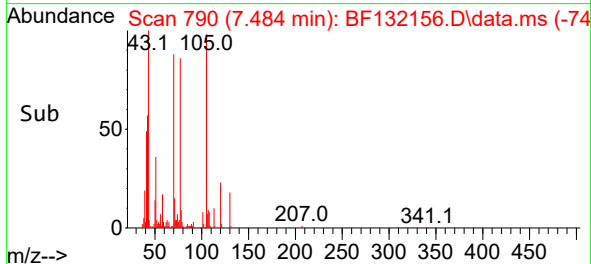
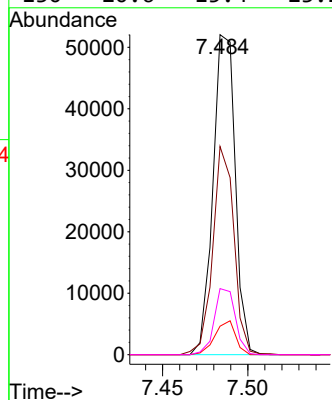
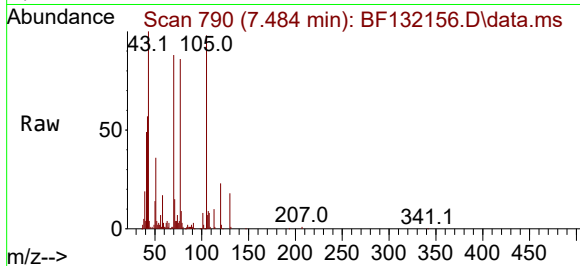




#19
n-Nitroso-di-n-propylamine
Concen: 5.977 ng
RT: 7.484 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

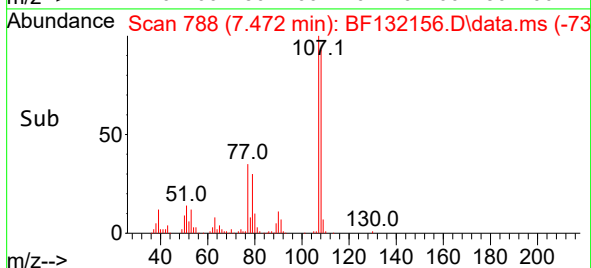
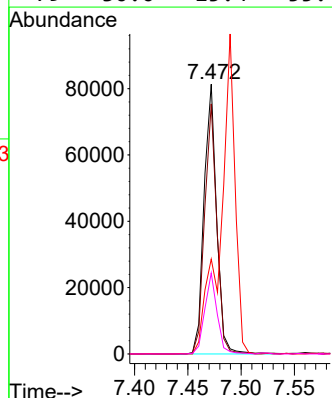
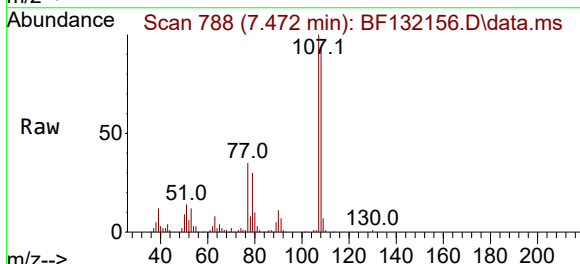
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

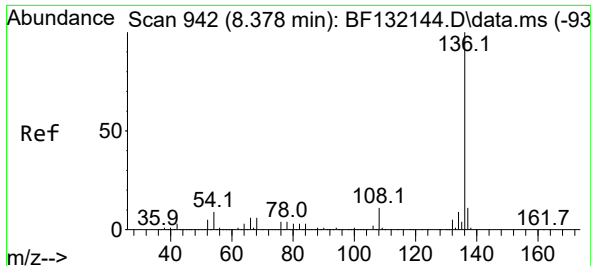
Tgt Ion:	70	Resp:	47400
Ion	Ratio	Lower	Upper
70	100		
42	65.1	51.0	76.4
101	8.9	7.3	10.9
130	20.6	15.4	23.2



#20
3+4-Methylphenols
Concen: 5.624 ng
RT: 7.472 min Scan# 788
Delta R.T. -0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:	107	Resp:	67115
Ion	Ratio	Lower	Upper
107	100		
108	92.7	73.8	113.8
77	35.2	22.8	62.8
79	30.0	15.4	55.4

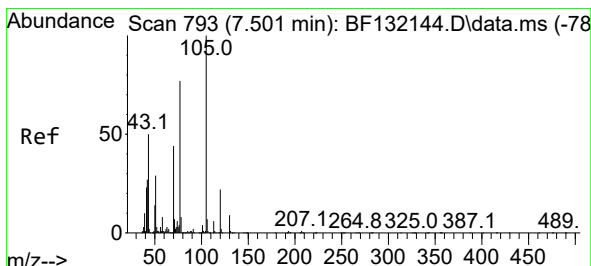
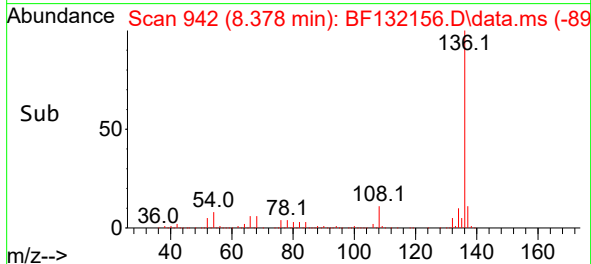
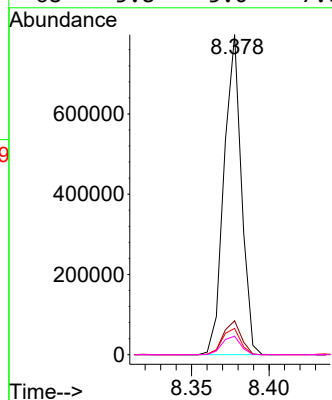
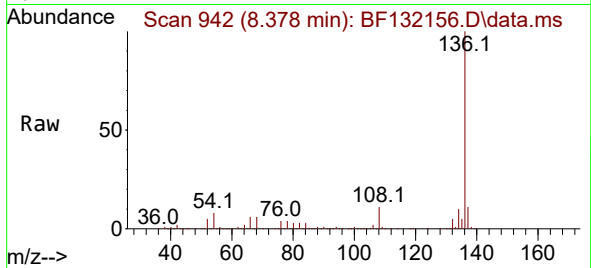




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.378 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

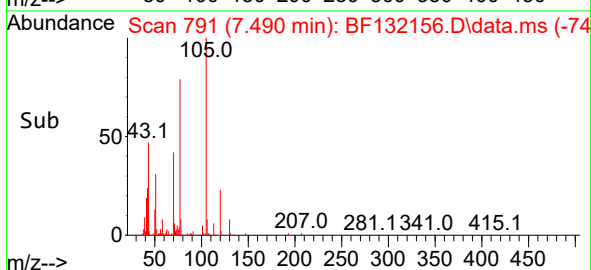
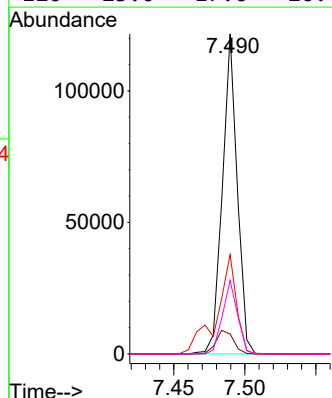
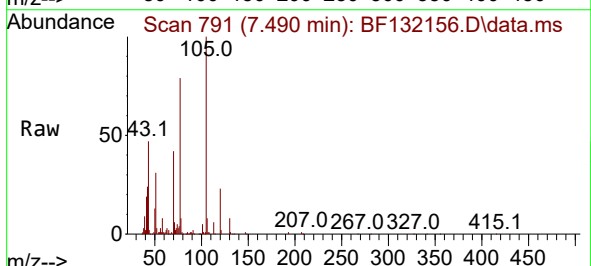
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

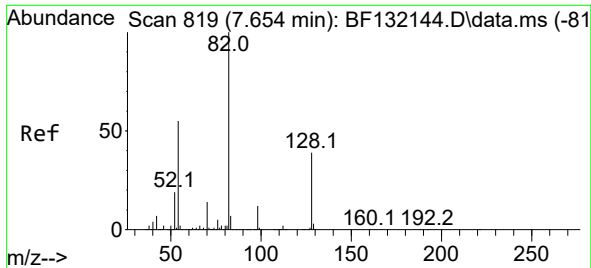
Tgt Ion:136 Resp: 622297
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 8.2 7.0 10.6
68 5.8 5.0 7.6



#22
Acetophenone
Concen: 5.878 ng
RT: 7.490 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:105 Resp: 87921
Ion Ratio Lower Upper
105 100
71 6.2 5.8 8.6
51 31.1 23.0 34.6
120 23.0 17.6 26.4

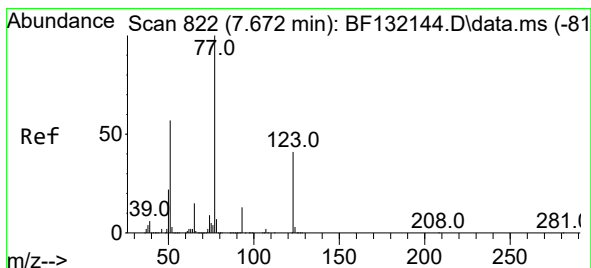
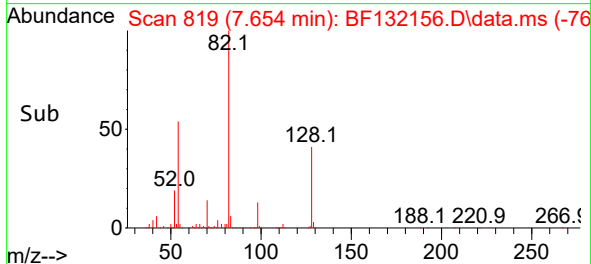
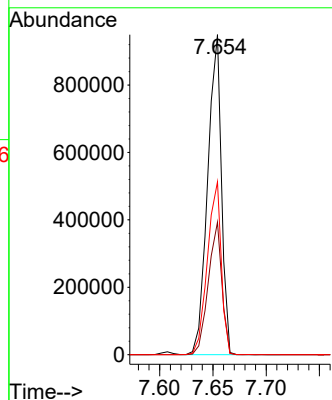
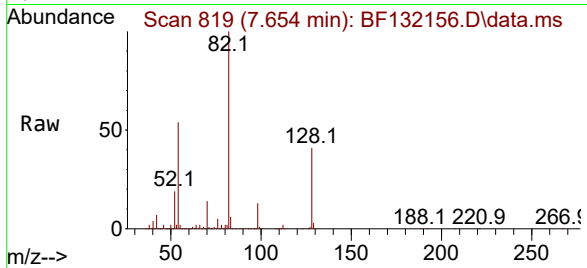




#23
Nitrobenzene-d5
Concen: 73.131 ng
RT: 7.654 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

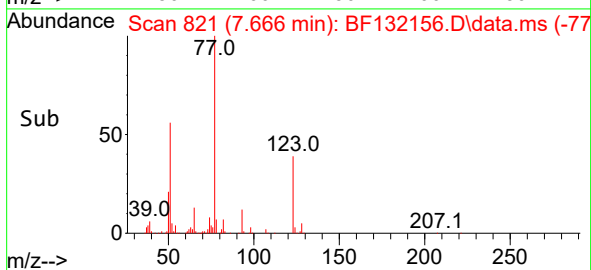
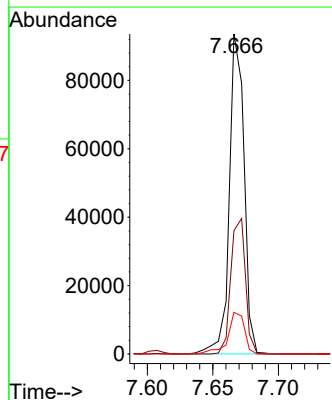
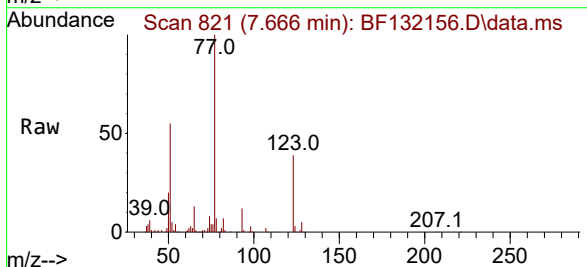
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

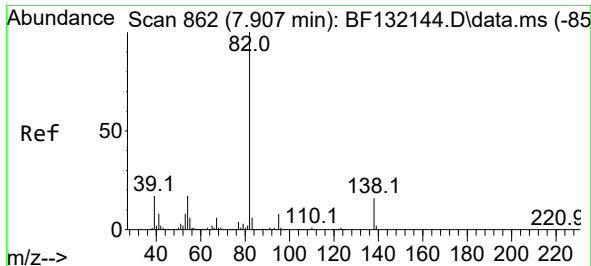
Tgt Ion: 82 Resp: 856674
Ion Ratio Lower Upper
82 100
128 41.4 31.1 46.7
54 54.0 43.9 65.9



#24
Nitrobenzene
Concen: 5.908 ng
RT: 7.666 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion: 77 Resp: 73271
Ion Ratio Lower Upper
77 100
123 38.6 33.1 49.7
65 13.0 11.7 17.5

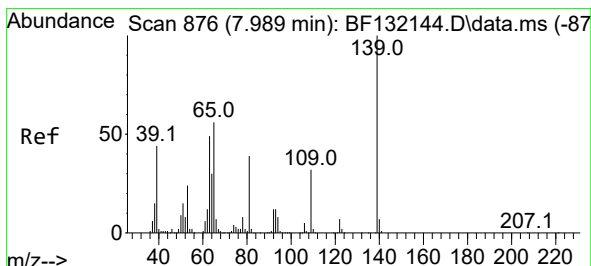
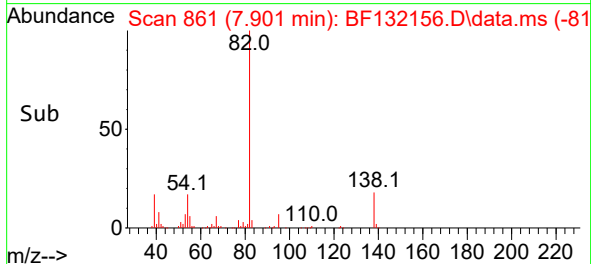
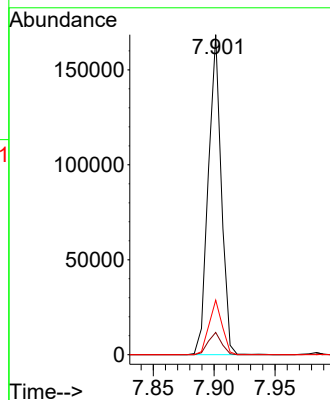
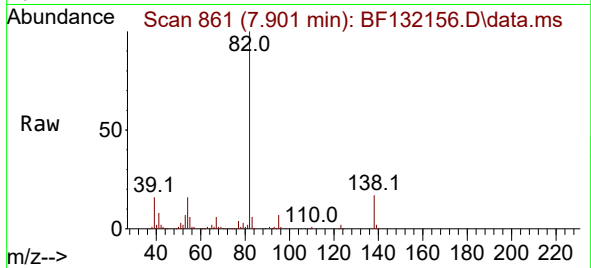




#25
Isophorone
Concen: 5.439 ng
RT: 7.901 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

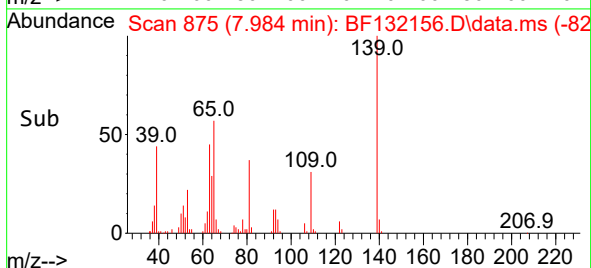
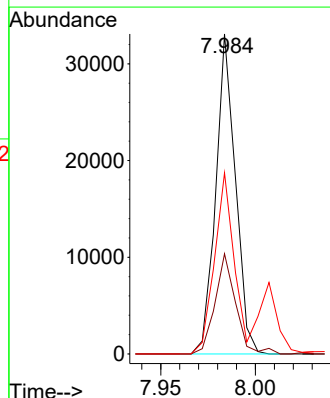
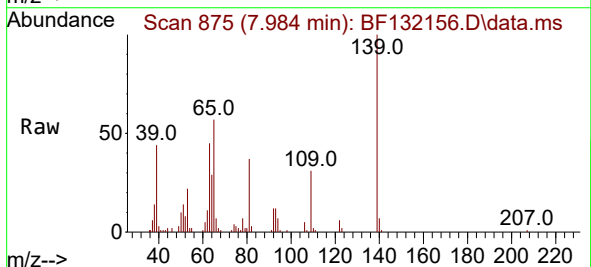
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

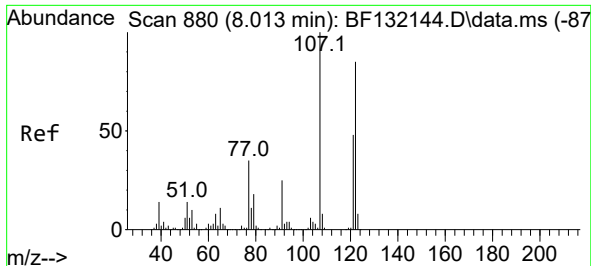
Tgt Ion: 82 Resp: 124660
Ion Ratio Lower Upper
82 100
95 6.9 6.2 9.2
138 17.0 12.9 19.3



#26
2-Nitrophenol
Concen: 6.065 ng
RT: 7.984 min Scan# 875
Delta R.T. -0.005 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:139 Resp: 23930
Ion Ratio Lower Upper
139 100
109 31.3 25.8 38.8
65 56.6 44.6 66.8





#27

2,4-Dimethylphenol

Concen: 4.729 ng

RT: 8.007 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF132156.D

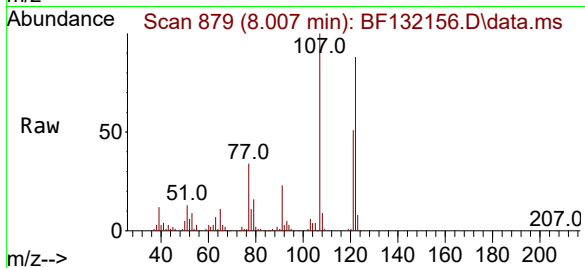
Acq: 20 Jan 2023 11:07

Instrument :

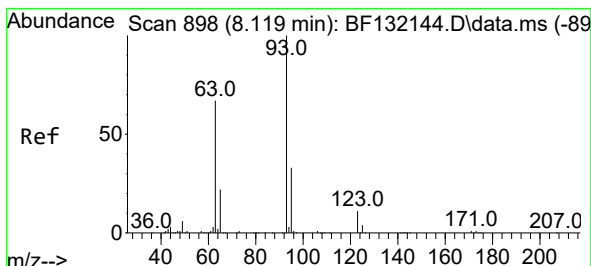
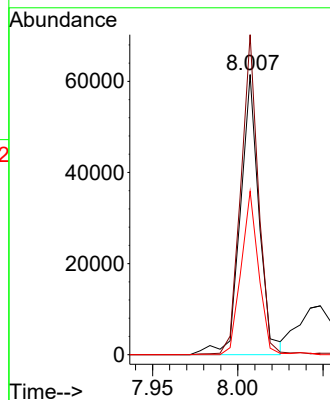
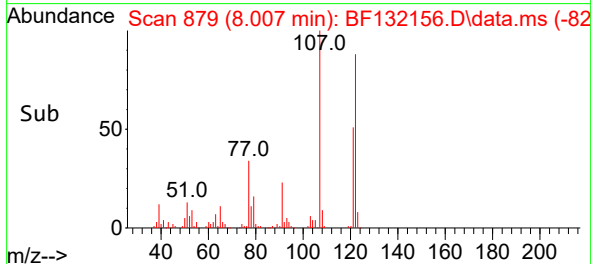
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:	122	Resp:	46906
Ion	Ratio	Lower	Upper
122	100		
107	114.2	94.2	141.4
121	58.3	45.6	68.4



#28

bis(2-Chloroethoxy)methane

Concen: 5.744 ng

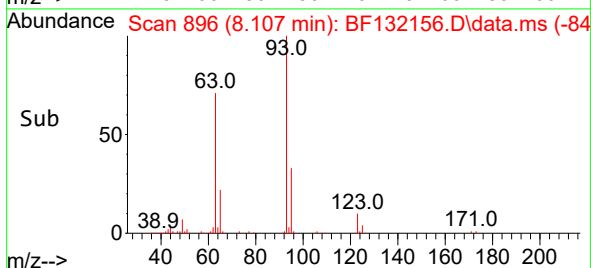
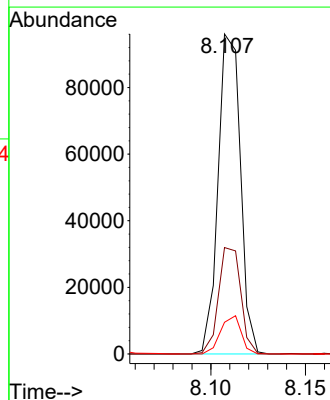
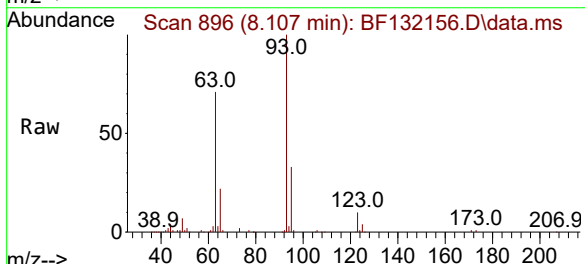
RT: 8.107 min Scan# 896

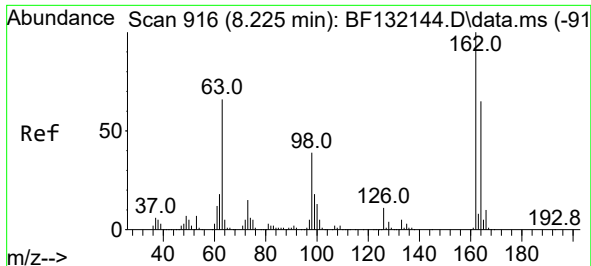
Delta R.T. -0.012 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Tgt Ion:	93	Resp:	78989
Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.2	39.2
123	9.9	9.1	13.7





#29

2,4-Dichlorophenol

Concen: 5.537 ng

RT: 8.219 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

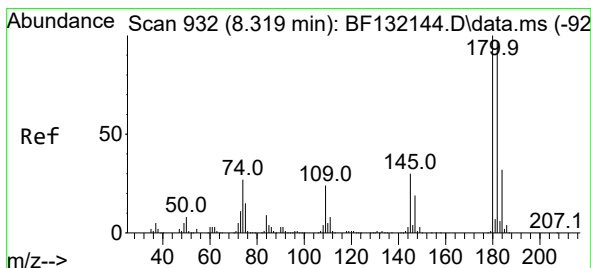
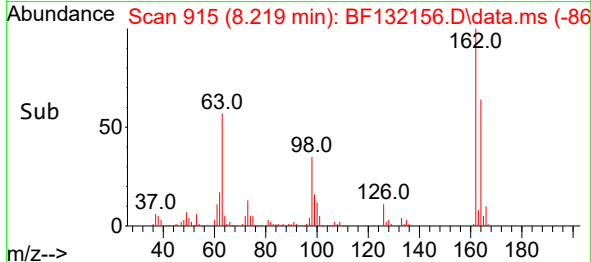
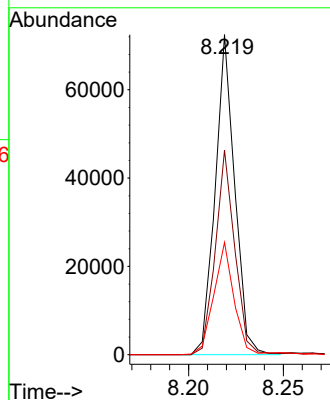
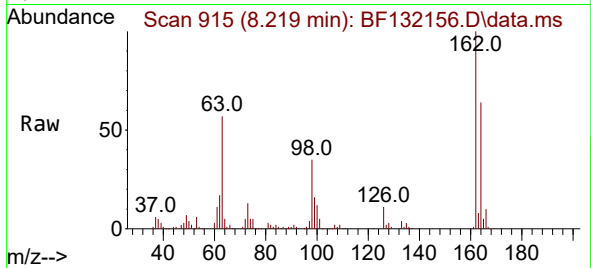
Tgt Ion:162 Resp: 52137

Ion Ratio Lower Upper

162 100

164 63.9 44.7 84.7

98 35.1 18.8 58.8



#30

1,2,4-Trichlorobenzene

Concen: 5.908 ng

RT: 8.313 min Scan# 931

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

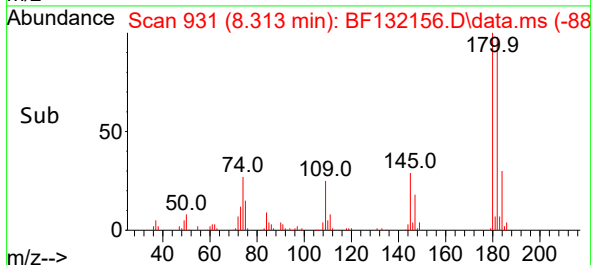
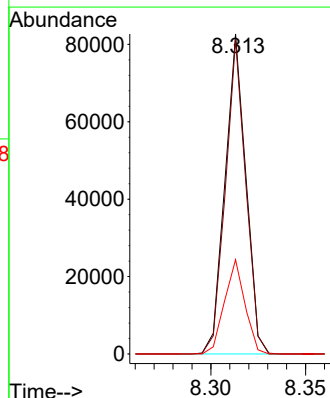
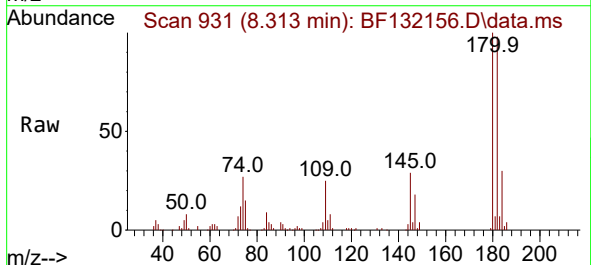
Tgt Ion:180 Resp: 63185

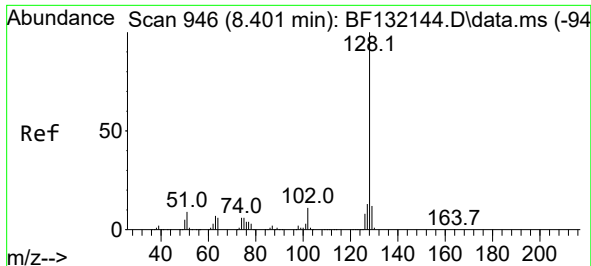
Ion Ratio Lower Upper

180 100

182 98.3 77.4 116.0

145 29.5 23.8 35.6

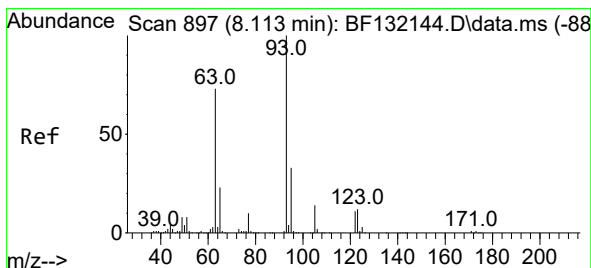
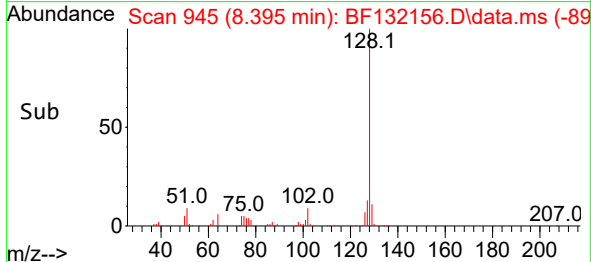
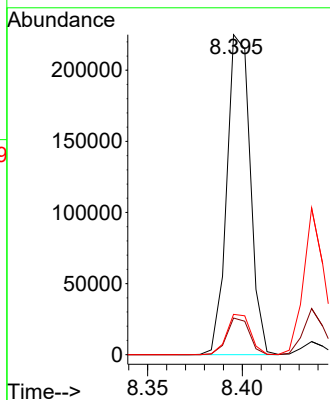
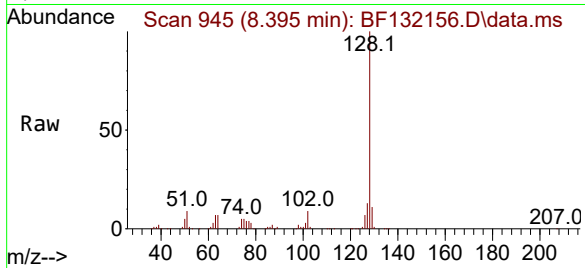




#31
Naphthalene
Concen: 6.041 ng
RT: 8.395 min Scan# 946
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

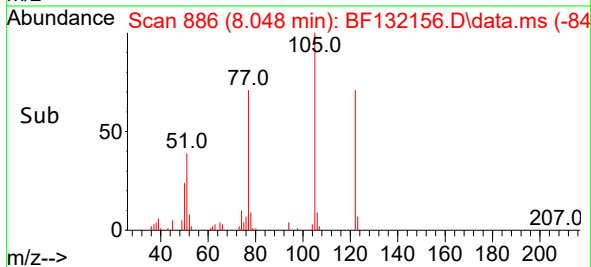
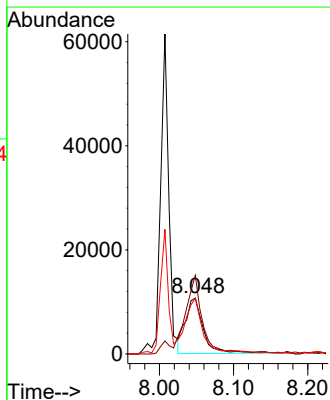
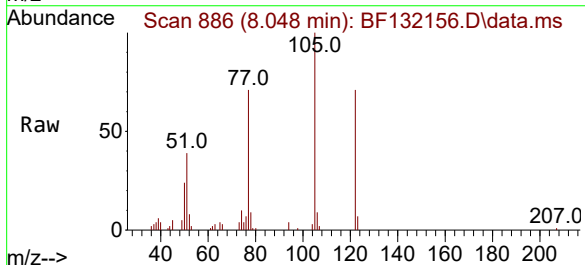
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

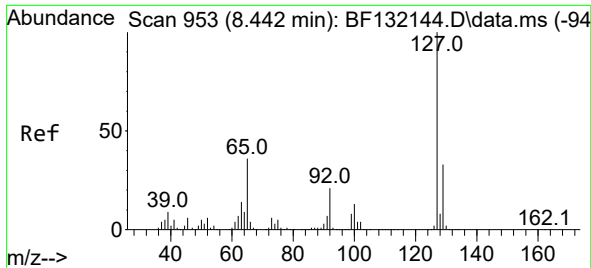
Tgt Ion:128 Resp: 193067
Ion Ratio Lower Upper
128 100
129 11.5 9.3 13.9
127 12.6 10.6 15.8



#32
Benzoic acid
Concen: 3.108 ng
RT: 8.048 min Scan# 886
Delta R.T. -0.065 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:122 Resp: 18052
Ion Ratio Lower Upper
122 100
105 140.7 96.8 136.8#
77 100.1 72.5 112.5

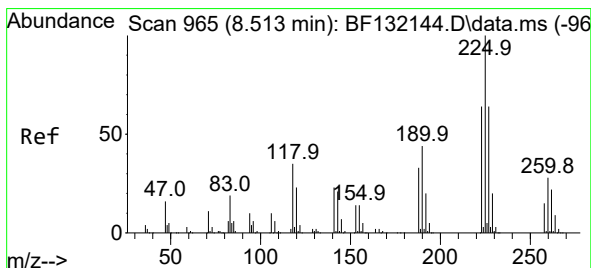
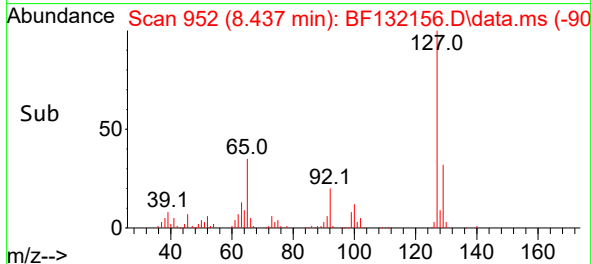
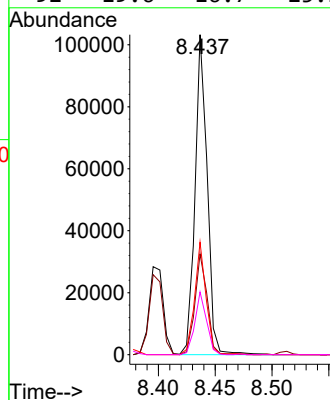
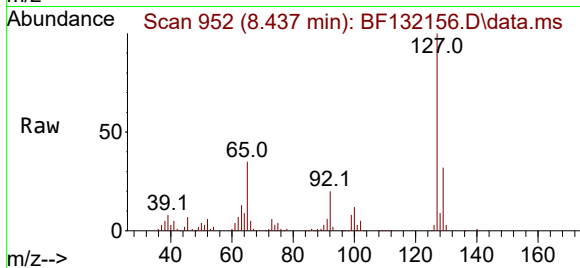




#33
4-Chloroaniline
Concen: 5.639 ng
RT: 8.437 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

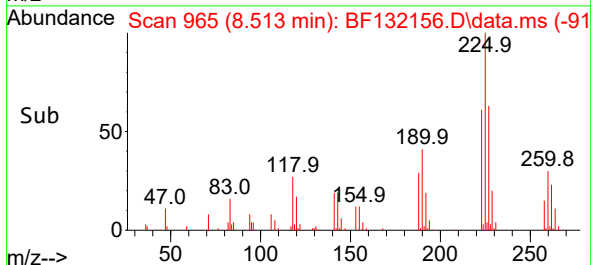
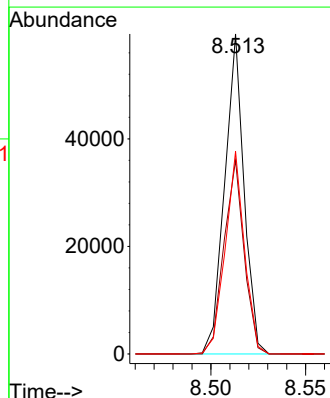
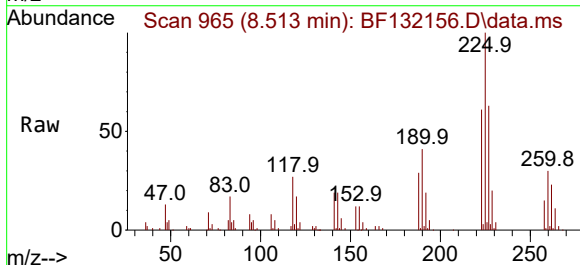
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

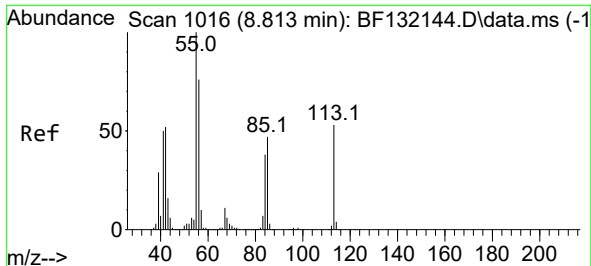
Tgt Ion:	127	Resp:	77119
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.0	39.0
65	35.1	28.4	42.6
92	19.6	16.7	25.1



#34
Hexachlorobutadiene
Concen: 5.896 ng
RT: 8.513 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

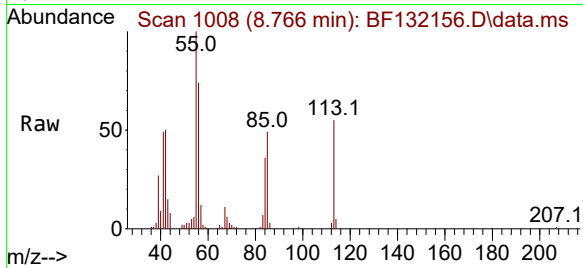
Tgt Ion:	225	Resp:	42362
Ion	Ratio	Lower	Upper
225	100		
223	60.6	50.9	76.3
227	63.3	50.8	76.2



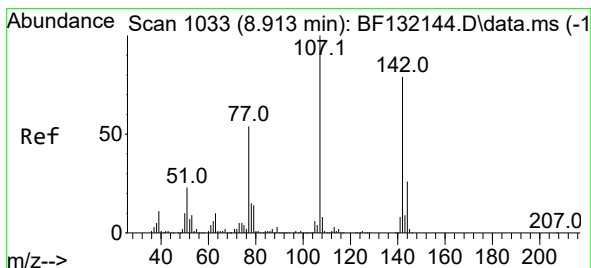
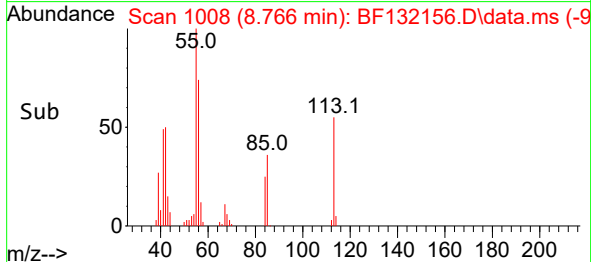
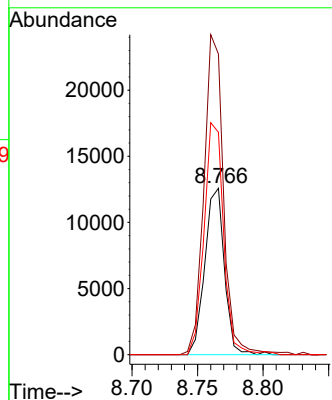


#35
 Caprolactam
 Concen: 4.911 ng
 RT: 8.766 min Scan# 1008
 Delta R.T. -0.047 min
 Lab File: BF132156.D
 Acq: 20 Jan 2023 11:07

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

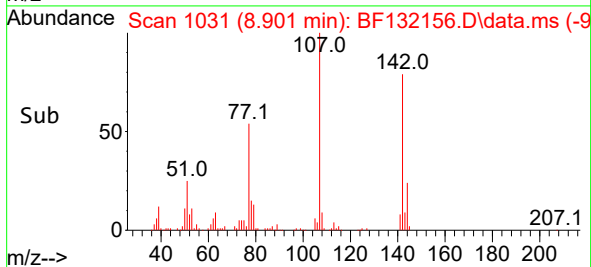
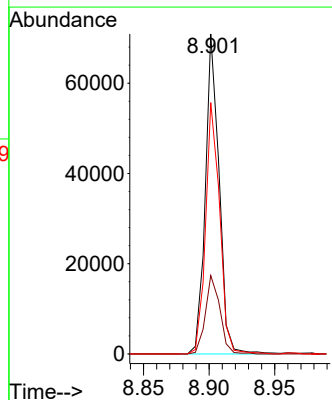
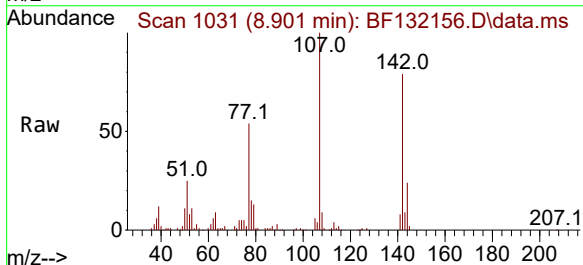


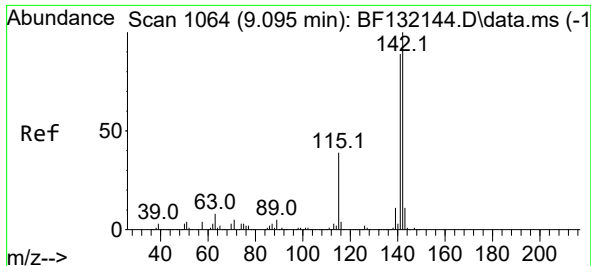
Tgt Ion:113 Resp: 13114
 Ion Ratio Lower Upper
 113 100
 55 180.6 167.5 207.5
 56 133.6 122.0 162.0



#36
 4-Chloro-3-methylphenol
 Concen: 5.487 ng
 RT: 8.901 min Scan# 1031
 Delta R.T. -0.012 min
 Lab File: BF132156.D
 Acq: 20 Jan 2023 11:07

Tgt Ion:107 Resp: 51994
 Ion Ratio Lower Upper
 107 100
 144 24.5 21.0 31.4
 142 78.5 63.6 95.4

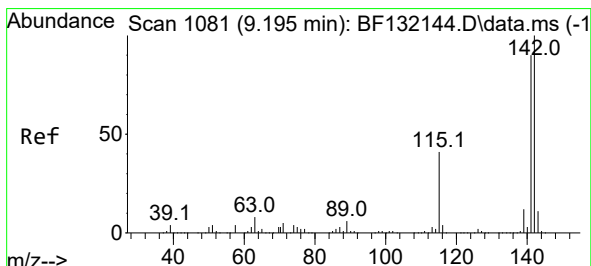
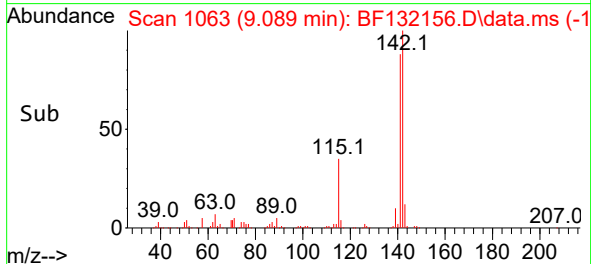
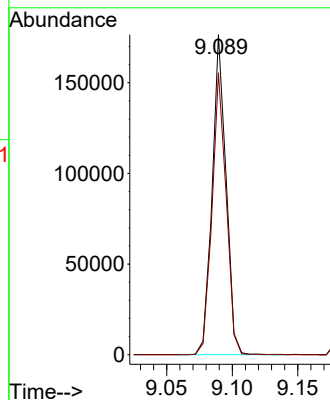
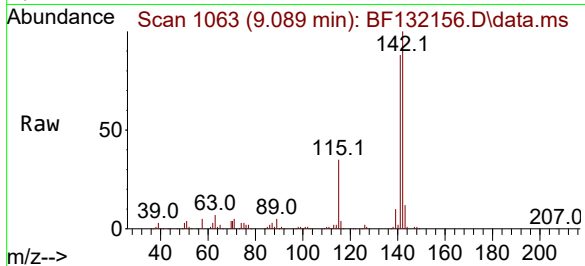




#37
2-Methylnaphthalene
Concen: 5.897 ng
RT: 9.089 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

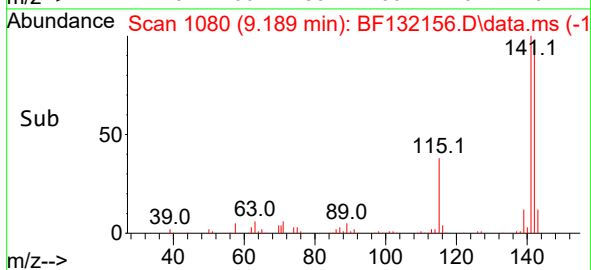
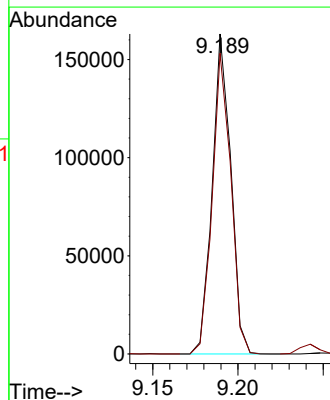
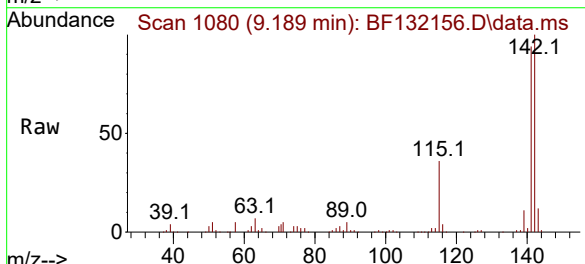
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

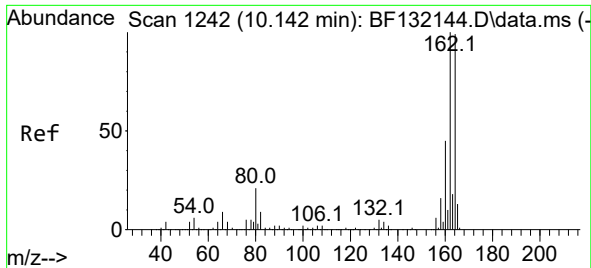
Tgt Ion:142 Resp: 129754
Ion Ratio Lower Upper
142 100
141 88.1 71.1 106.7



#38
1-Methylnaphthalene
Concen: 6.035 ng
RT: 9.189 min Scan# 1080
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:142 Resp: 123564
Ion Ratio Lower Upper
142 100
141 94.0 72.1 108.1

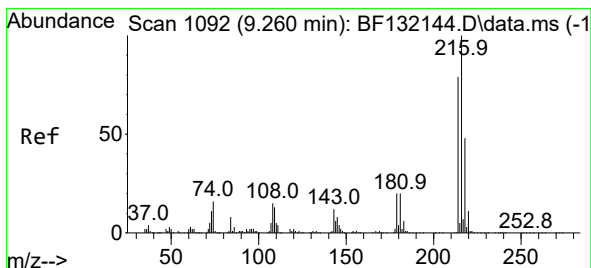
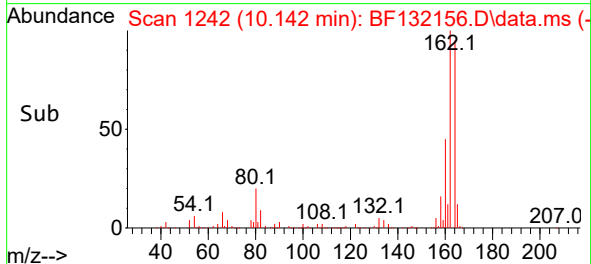
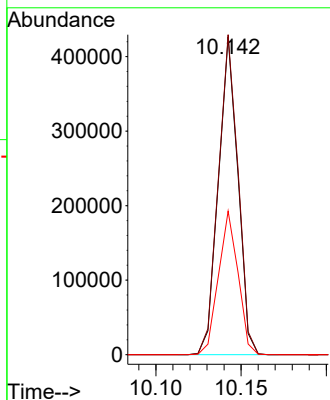
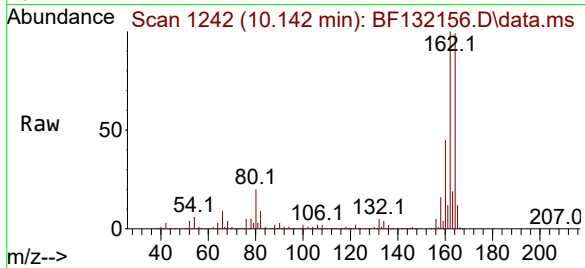




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

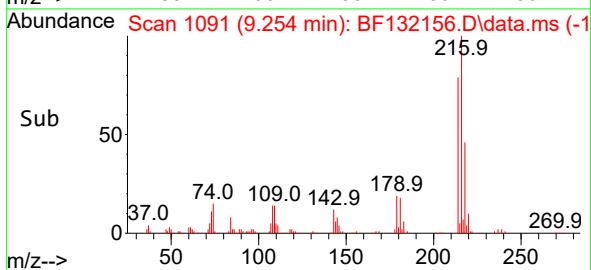
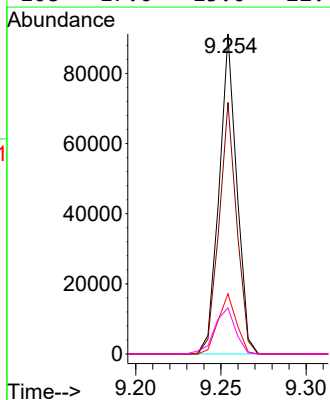
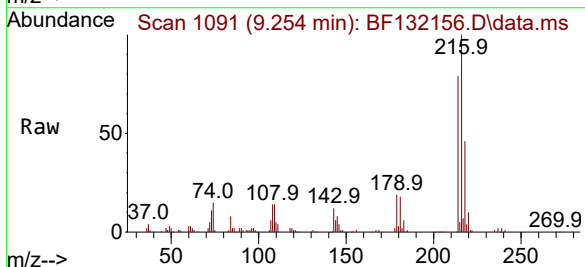
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

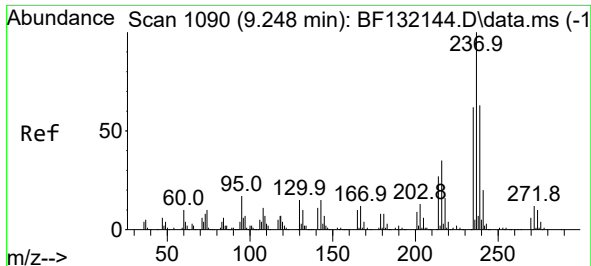
Tgt Ion:164 Resp: 338191
Ion Ratio Lower Upper
164 100
162 100.7 81.2 121.8
160 45.2 36.9 55.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.585 ng
RT: 9.254 min Scan# 1091
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:216 Resp: 65723
Ion Ratio Lower Upper
216 100
214 78.4 63.1 94.7
179 19.4 16.6 24.8
108 17.0 15.0 22.4

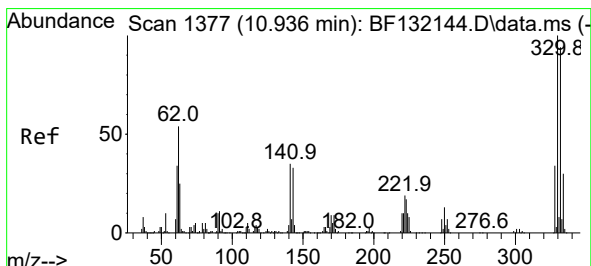
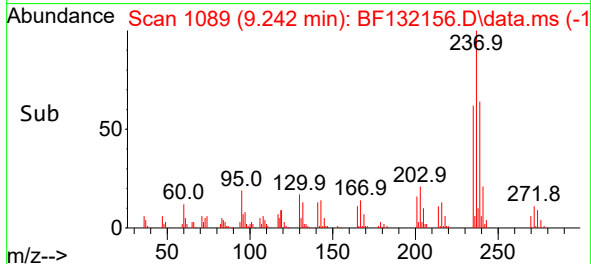
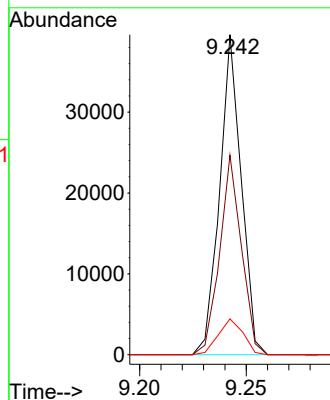
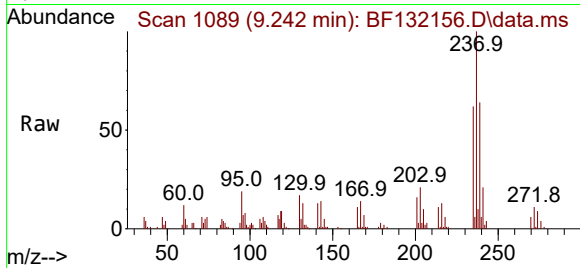




#41
Hexachlorocyclopentadiene
Concen: 4.342 ng
RT: 9.242 min Scan# 1090
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

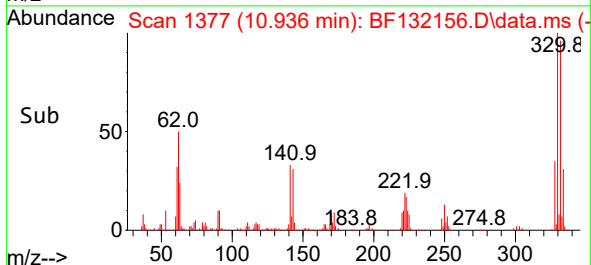
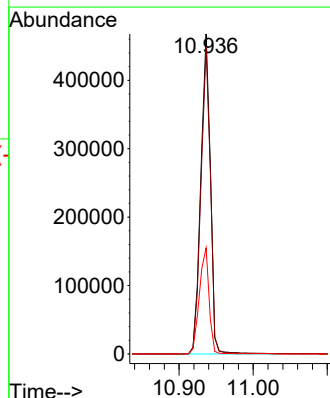
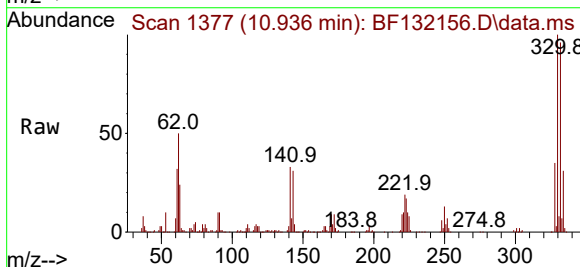
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

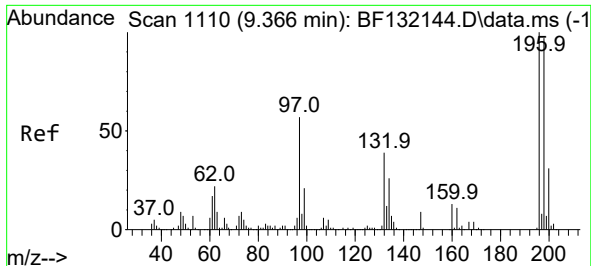
Tgt Ion:	237	Resp:	27883
Ion	Ratio	Lower	Upper
237	100		
235	62.3	41.7	81.7
272	11.2	0.0	32.3



#42
2,4,6-Tribromophenol
Concen: 116.898 ng
RT: 10.936 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:	330	Resp:	422281
Ion	Ratio	Lower	Upper
330	100		
332	95.5	75.6	113.4
141	33.5	27.1	40.7

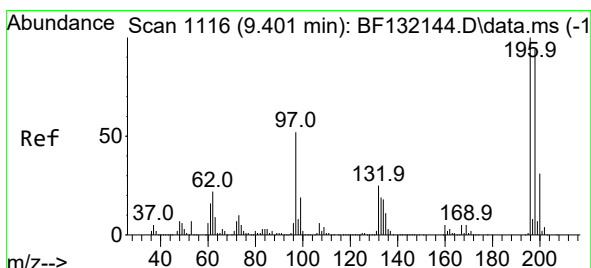
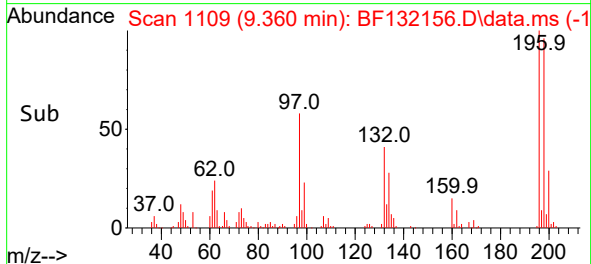
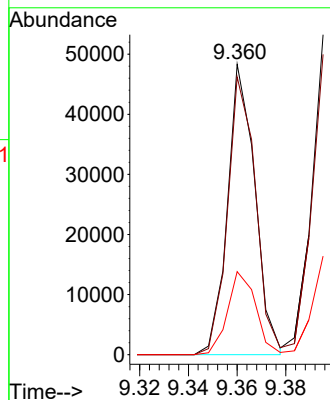
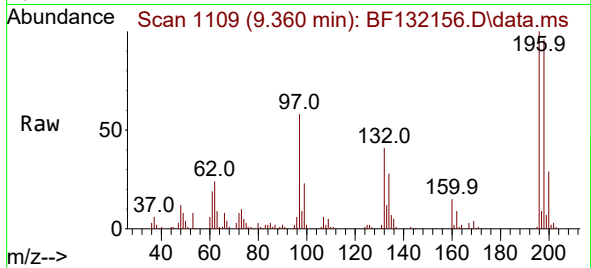




#43
2,4,6-Trichlorophenol
Concen: 5.182 ng
RT: 9.360 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

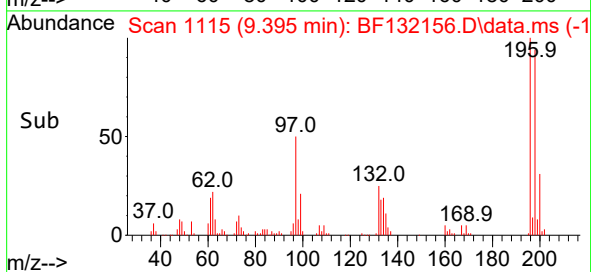
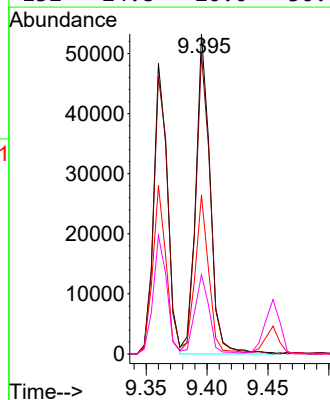
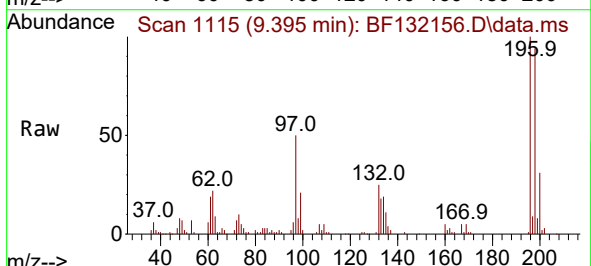
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

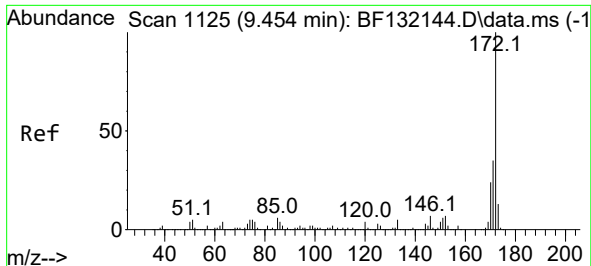
Tgt Ion:196 Resp: 37844
Ion Ratio Lower Upper
196 100
198 95.6 77.4 116.2
200 28.6 24.9 37.3



#44
2,4,5-Trichlorophenol
Concen: 5.137 ng
RT: 9.395 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:196 Resp: 43876
Ion Ratio Lower Upper
196 100
198 93.8 75.3 112.9
97 49.7 41.3 61.9
132 24.8 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 64.295 ng

RT: 9.454 min Scan# 1125

Delta R.T. 0.000 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

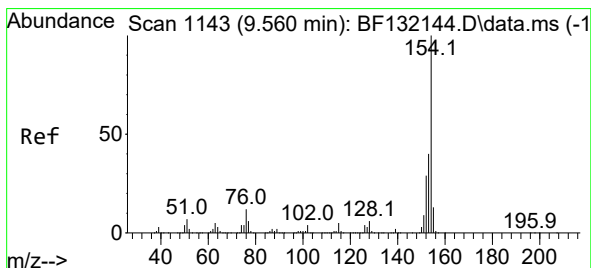
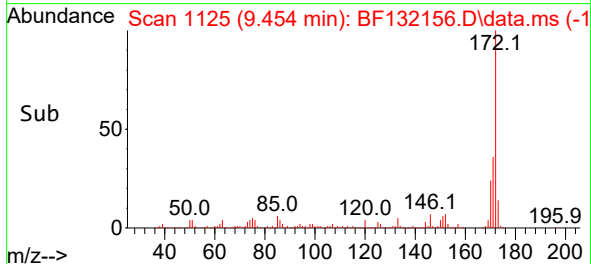
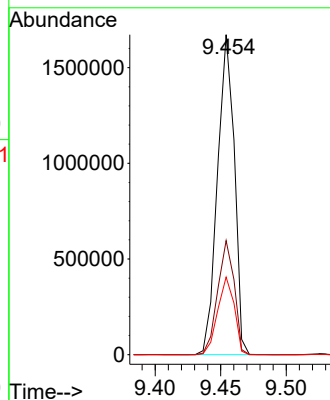
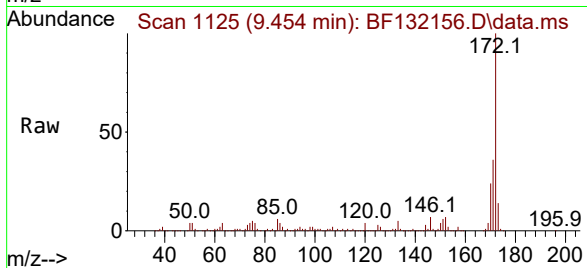
Tgt Ion:172 Resp: 1488064

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 24.2 19.6 29.4



#46

1,1'-Biphenyl

Concen: 5.904 ng

RT: 9.554 min Scan# 1142

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

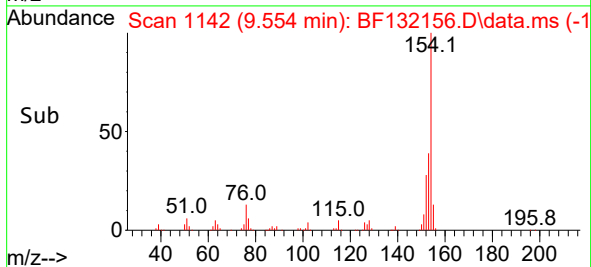
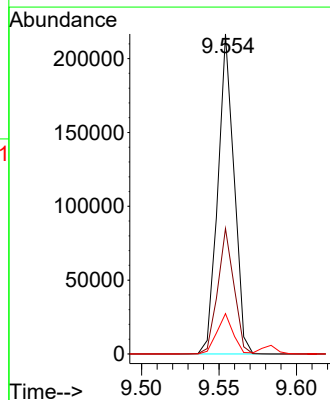
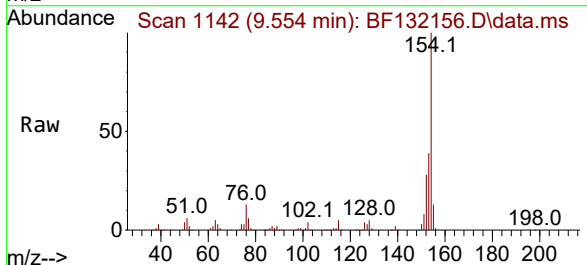
Tgt Ion:154 Resp: 157515

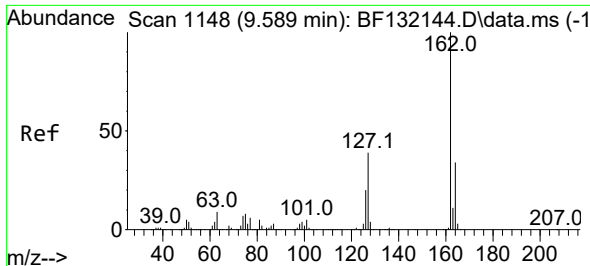
Ion Ratio Lower Upper

154 100

153 39.2 20.2 60.2

76 12.6 0.0 32.2

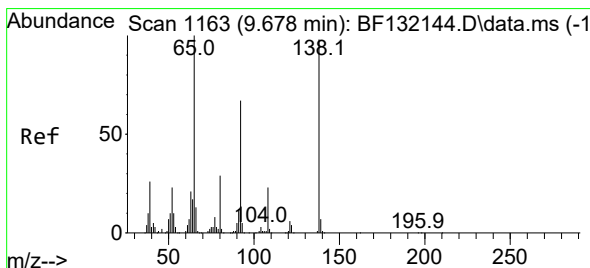
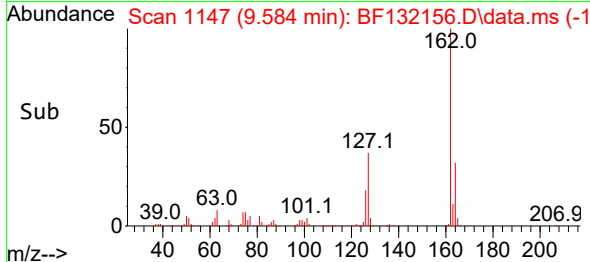
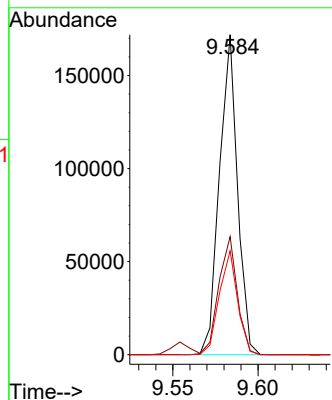
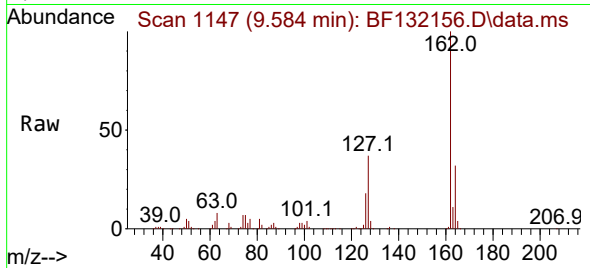




#47
2-Chloronaphthalene
Concen: 6.138 ng
RT: 9.584 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

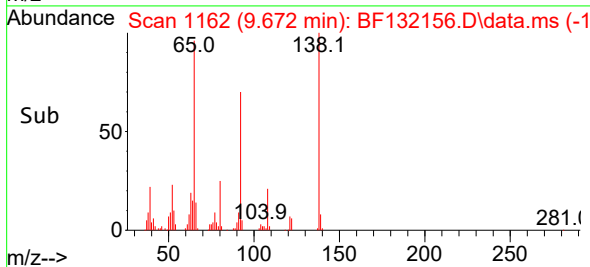
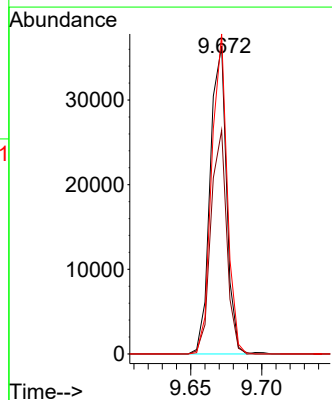
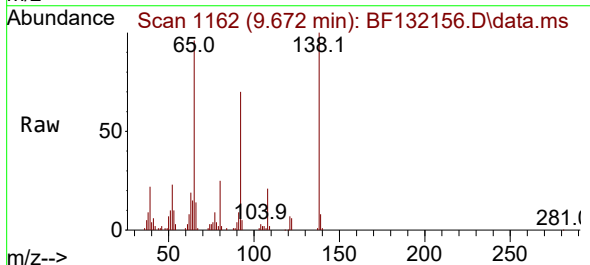
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT3-2022

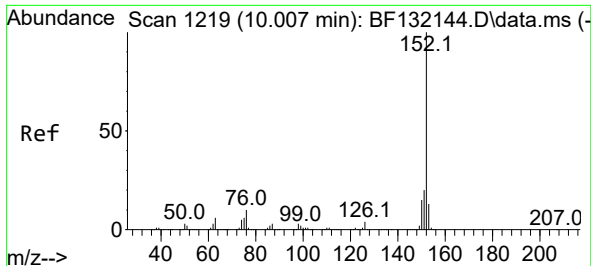
Tgt Ion:162 Resp: 126602
Ion Ratio Lower Upper
162 100
127 36.9 31.1 46.7
164 32.5 26.9 40.3



#48
2-Nitroaniline
Concen: 4.941 ng
RT: 9.672 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion: 65 Resp: 29340
Ion Ratio Lower Upper
65 100
92 72.6 53.8 80.6
138 103.9 78.7 118.1

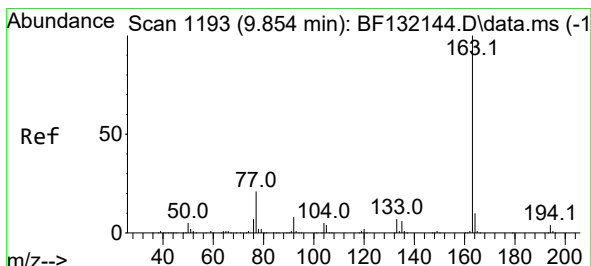
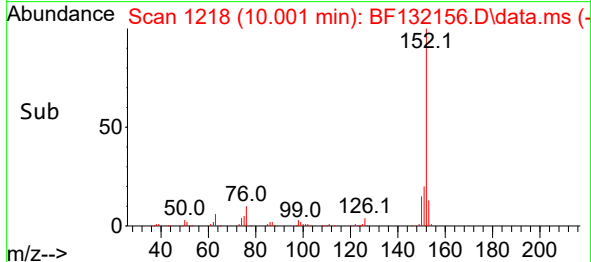
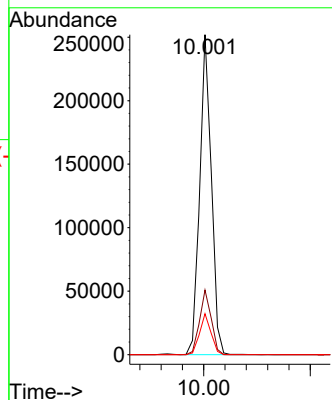
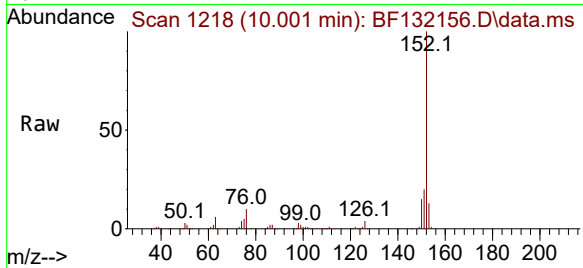




#49
Acenaphthylene
Concen: 5.793 ng
RT: 10.001 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

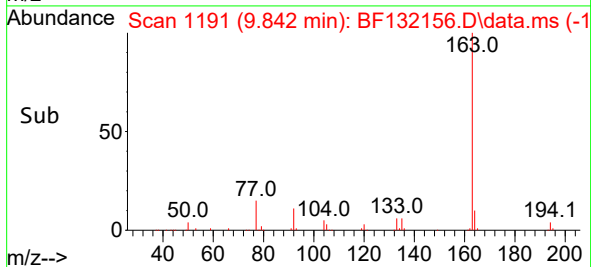
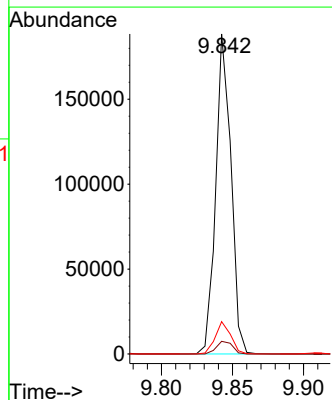
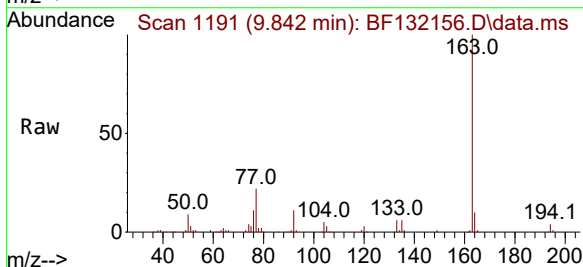
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT3-2022

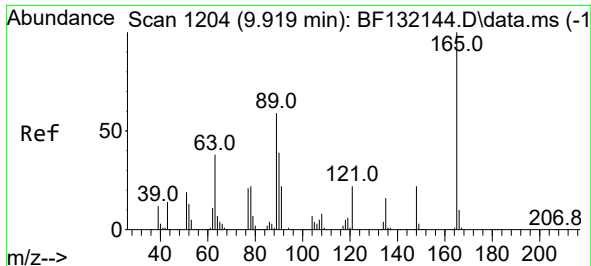
Tgt Ion:152 Resp: 191146
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 12.8 10.6 15.8



#50
Dimethylphthalate
Concen: 5.726 ng
RT: 9.842 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:163 Resp: 140246
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.1 8.2 12.2

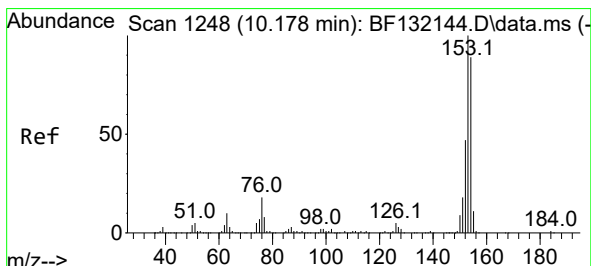
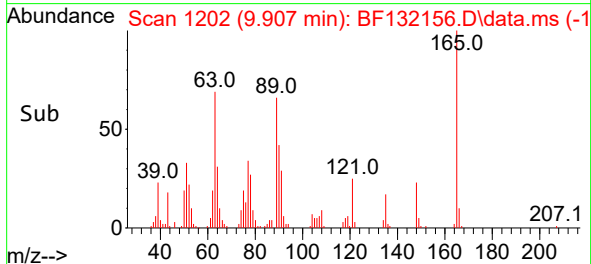
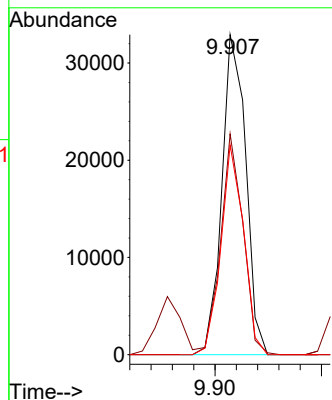
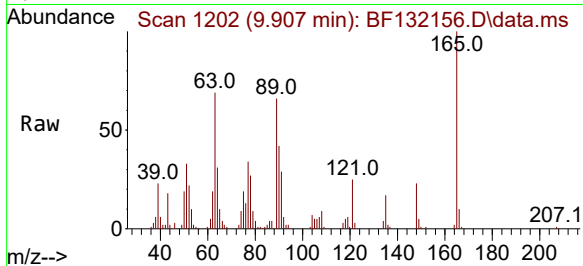




#51
2,6-Dinitrotoluene
Concen: 5.401 ng
RT: 9.907 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

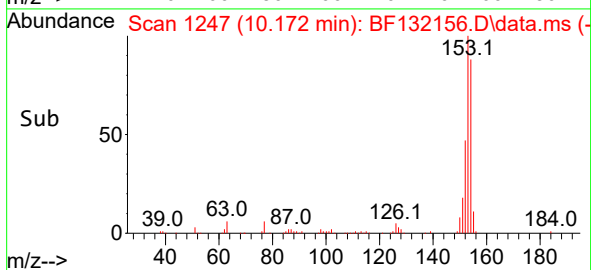
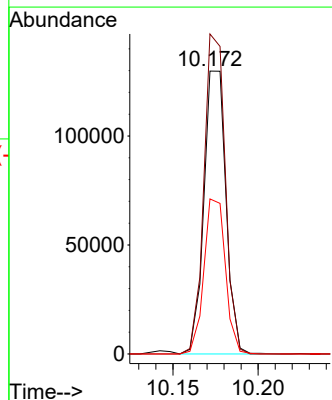
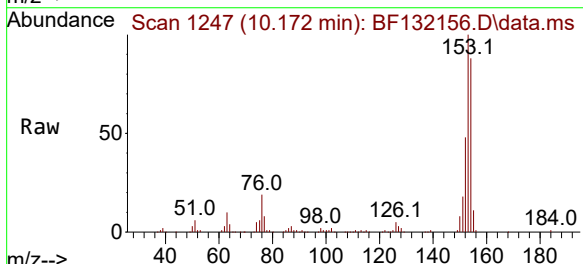
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

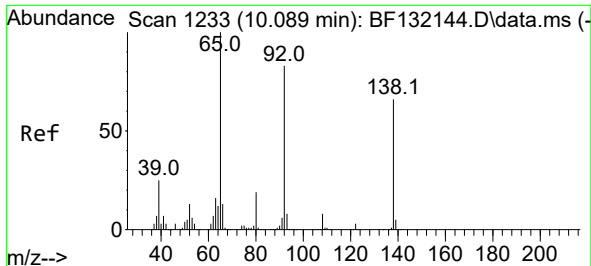
Tgt Ion:165 Resp: 25641
Ion Ratio Lower Upper
165 100
63 69.0 46.6 70.0
89 65.5 47.4 71.2



#52
Acenaphthene
Concen: 5.888 ng
RT: 10.172 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:154 Resp: 116860
Ion Ratio Lower Upper
154 100
153 113.1 89.8 134.8
152 54.8 42.3 63.5

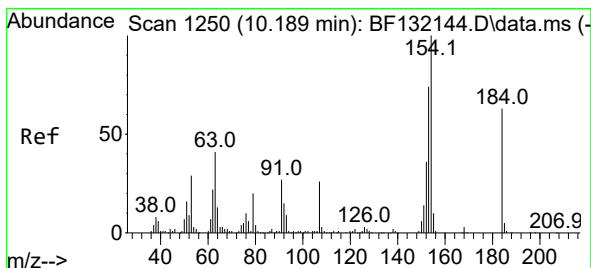
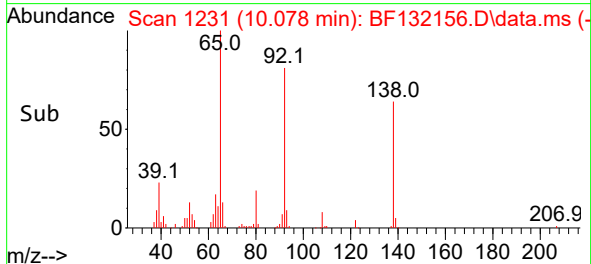
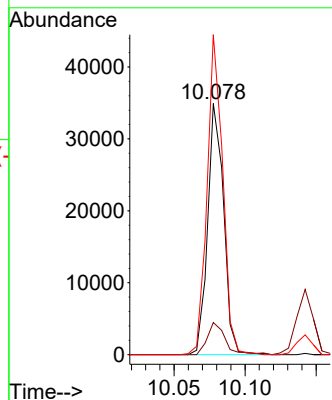
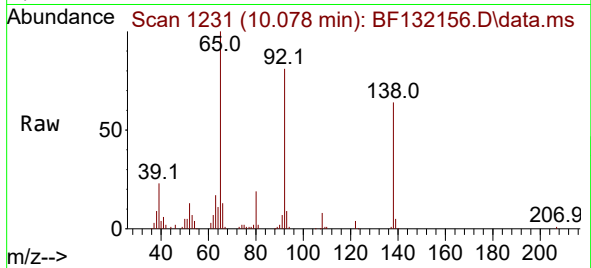




#53
3-Nitroaniline
Concen: 5.371 ng
RT: 10.078 min Scan# 1233
Delta R.T. -0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

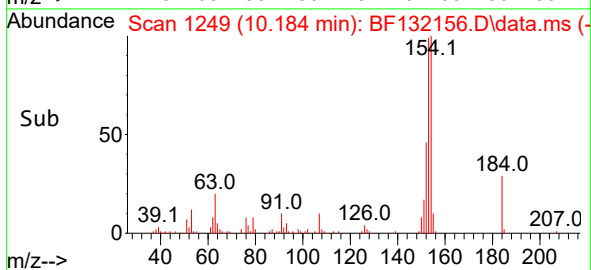
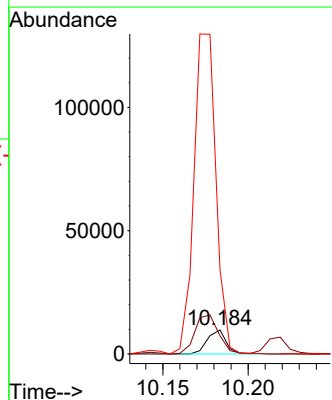
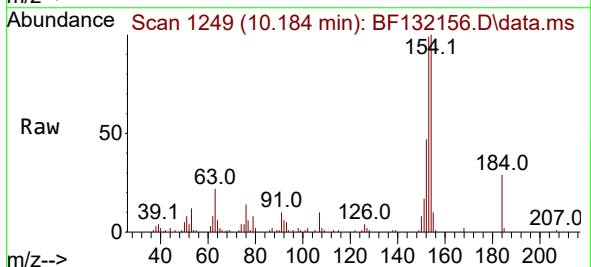
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

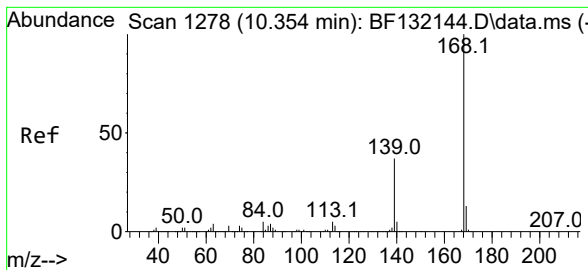
Tgt Ion:138 Resp: 27260
Ion Ratio Lower Upper
138 100
108 12.8 9.1 13.7
92 127.4 101.2 151.8



#54
2,4-Dinitrophenol
Concen: 4.119 ng
RT: 10.184 min Scan# 1249
Delta R.T. -0.005 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:184 Resp: 7540
Ion Ratio Lower Upper
184 100
63 75.1 53.2 79.8
154 347.7 129.4 194.0#

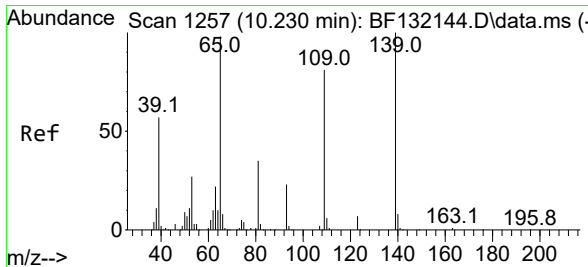
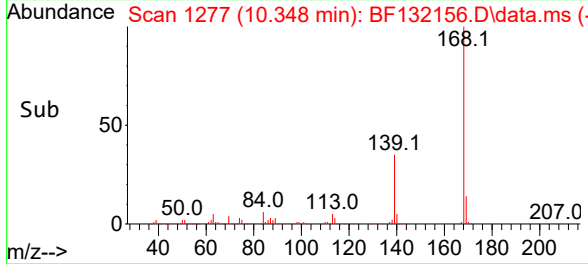
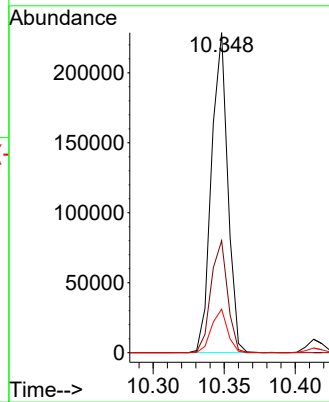
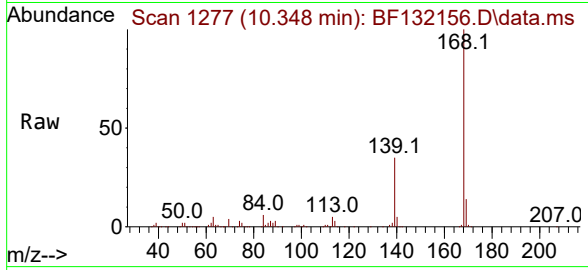




#55
Dibenzenofuran
Concen: 5.938 ng
RT: 10.348 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

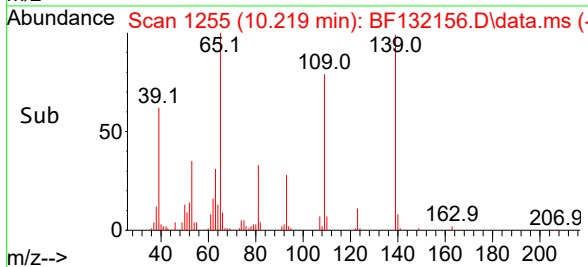
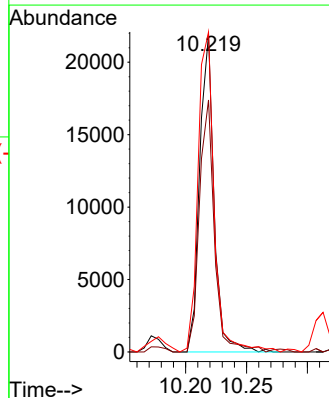
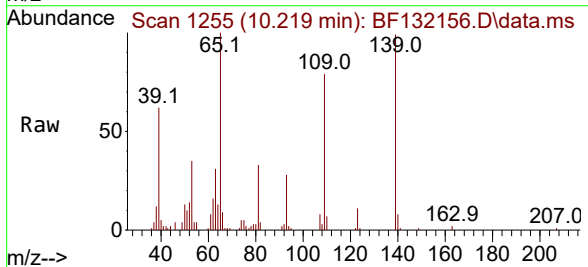
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

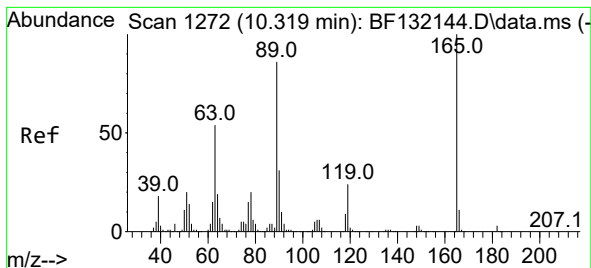
Tgt Ion:168 Resp: 182121
Ion Ratio Lower Upper
168 100
139 35.0 29.8 44.8
169 13.6 10.3 15.5



#56
4-Nitrophenol
Concen: 4.905 ng
RT: 10.219 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

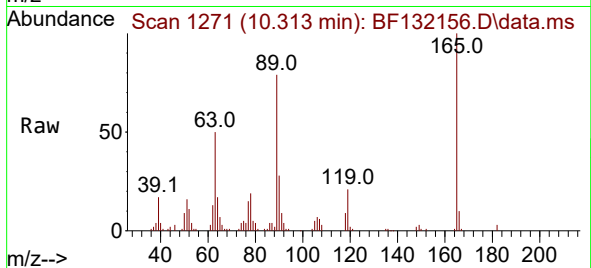
Tgt Ion:139 Resp: 18118
Ion Ratio Lower Upper
139 100
109 79.3 61.0 101.0
65 100.7 79.3 119.3



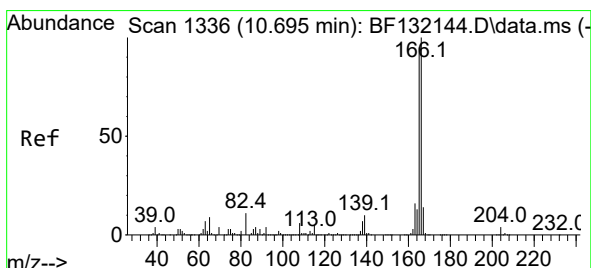
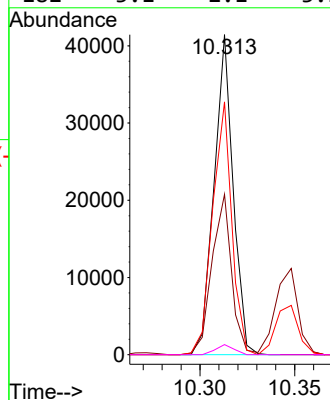
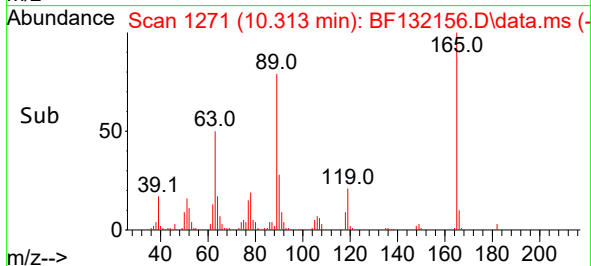


#57
2,4-Dinitrotoluene
Concen: 5.107 ng
RT: 10.313 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

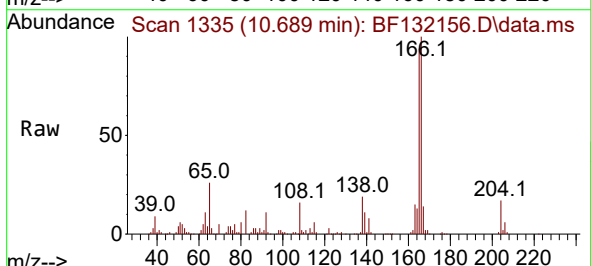
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022



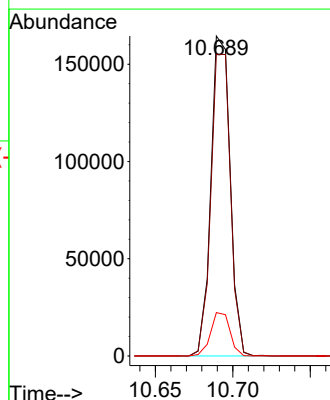
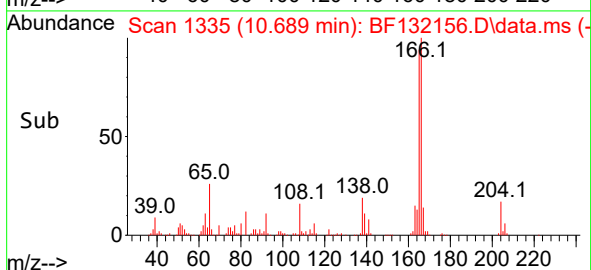
Tgt Ion:165 Resp: 29104
Ion Ratio Lower Upper
165 100
63 50.1 43.5 65.3
89 79.0 69.0 103.6
182 3.1 2.1 3.1#

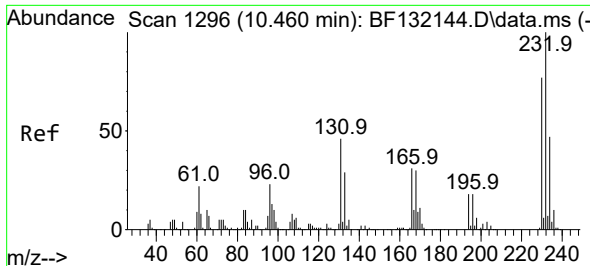


#58
Fluorene
Concen: 6.260 ng
RT: 10.689 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07



Tgt Ion:166 Resp: 142255
Ion Ratio Lower Upper
166 100
165 94.2 76.4 114.6
167 13.6 11.0 16.4

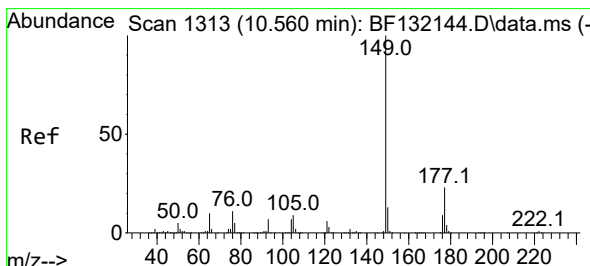
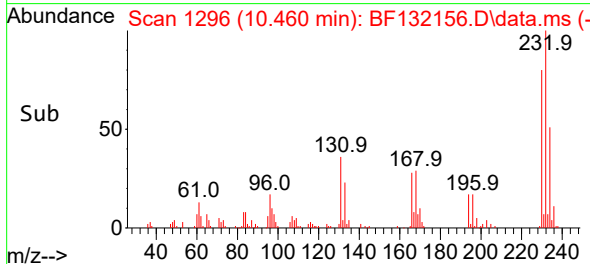
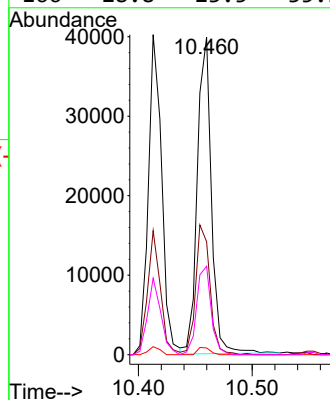
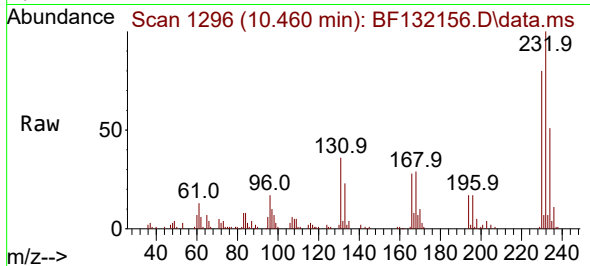




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.288 ng
RT: 10.460 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

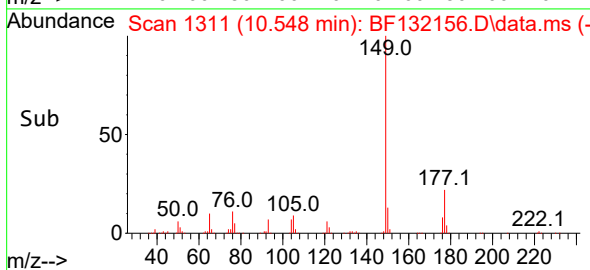
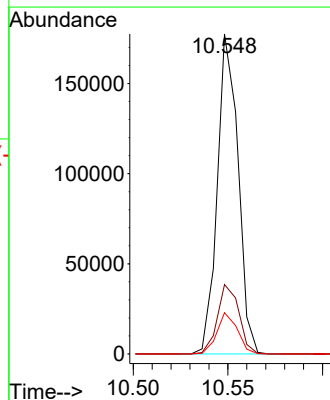
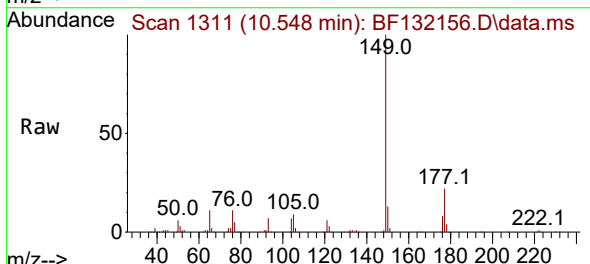
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

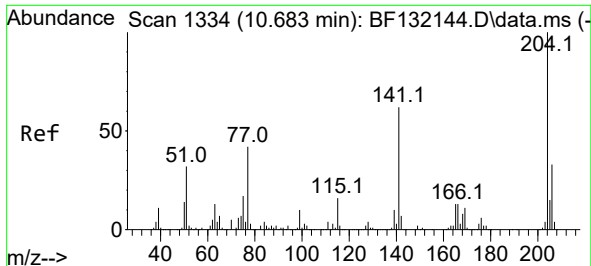
Tgt Ion:232 Resp: 34358
Ion Ratio Lower Upper
232 100
131 41.7 33.8 50.6
130 2.0 1.9 2.9
166 28.8 23.5 35.3



#60
Diethylphthalate
Concen: 5.634 ng
RT: 10.548 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:149 Resp: 135323
Ion Ratio Lower Upper
149 100
177 21.7 18.4 27.6
150 12.9 10.1 15.1

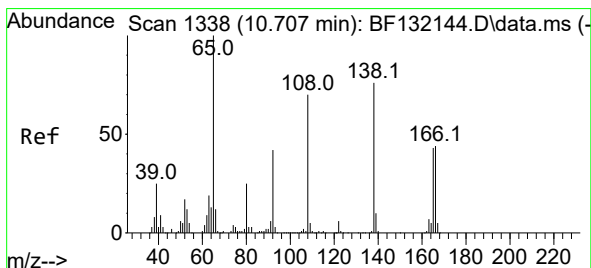
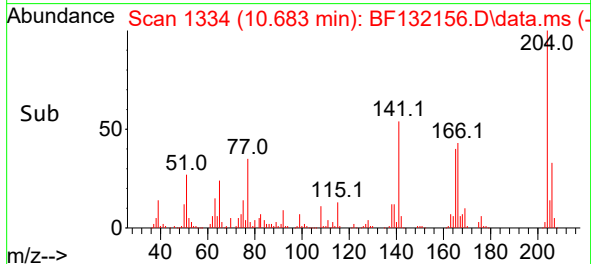
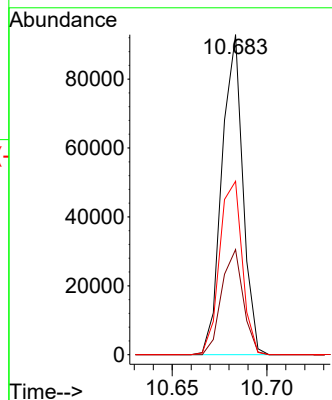
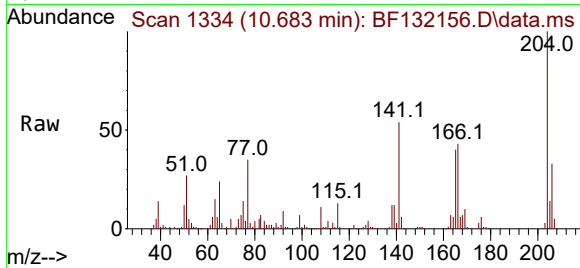




#61
4-Chlorophenyl-phenylether
Concen: 5.876 ng
RT: 10.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

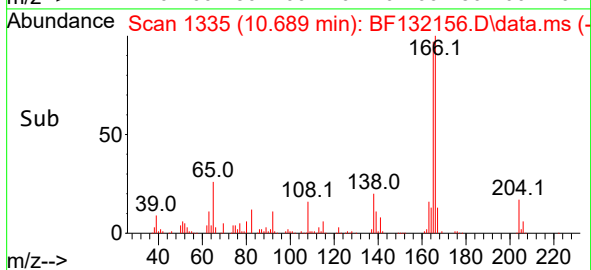
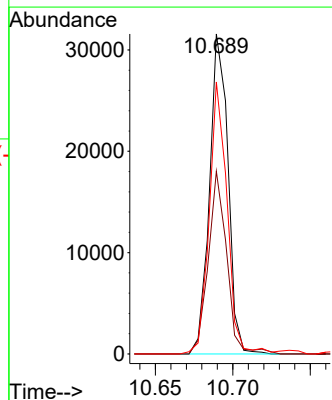
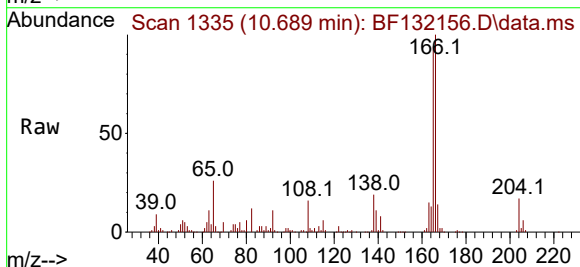
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

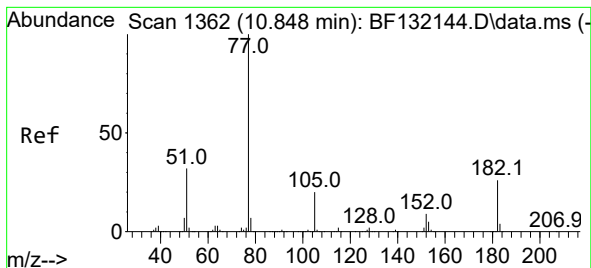
Tgt Ion:204 Resp: 71504
Ion Ratio Lower Upper
204 100
206 32.8 26.4 39.6
141 54.2 49.2 73.8



#62
4-Nitroaniline
Concen: 5.526 ng
RT: 10.689 min Scan# 1335
Delta R.T. -0.018 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:138 Resp: 26113
Ion Ratio Lower Upper
138 100
92 57.1 35.9 75.9
108 85.0 72.0 112.0





#63

Azobenzene

Concen: 5.624 ng

RT: 10.842 min Scan# 1361

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion: 77 Resp: 135582

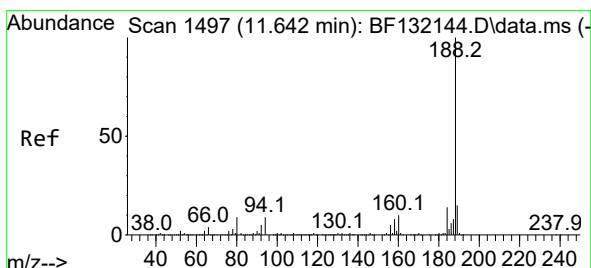
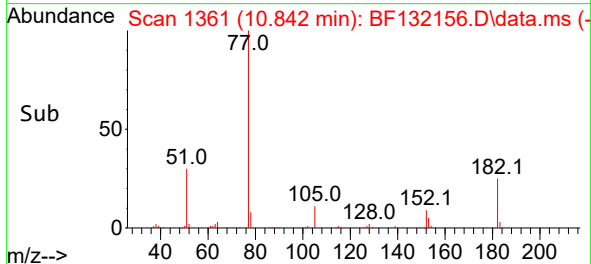
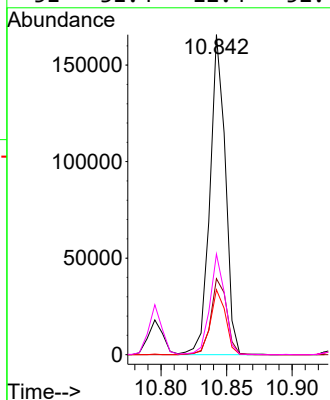
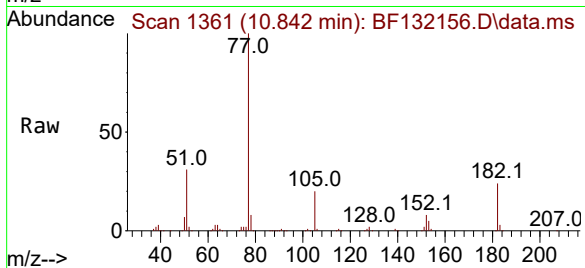
Ion Ratio Lower Upper

77 100

182 23.8 6.4 46.4

105 20.3 0.0 39.8

51 31.4 12.4 52.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.642 min Scan# 1497

Delta R.T. 0.000 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

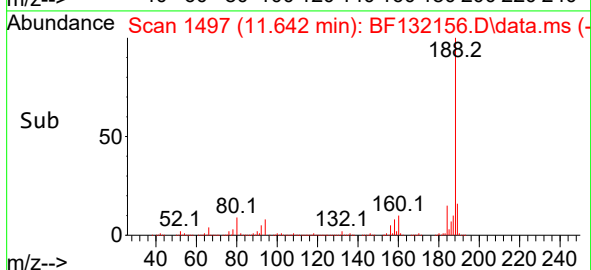
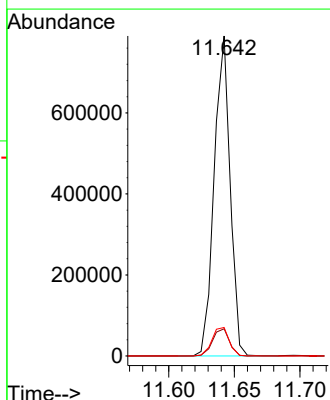
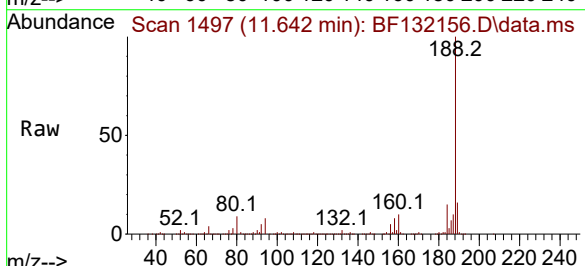
Tgt Ion:188 Resp: 666082

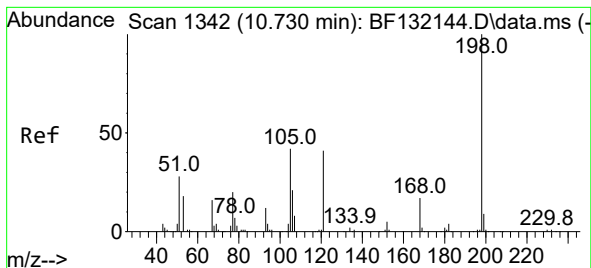
Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

80 8.9 7.5 11.3

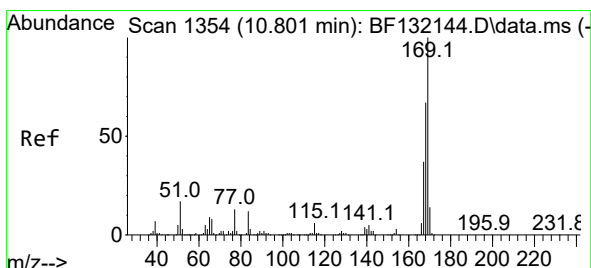
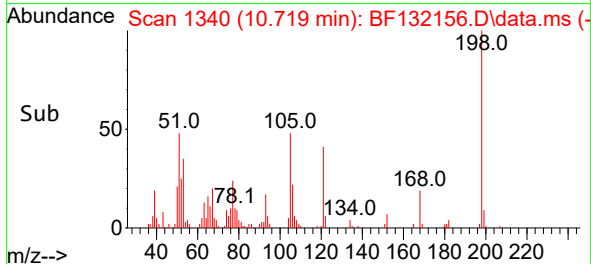
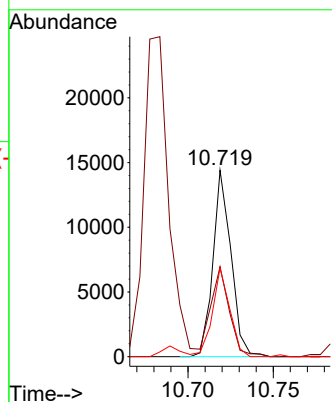
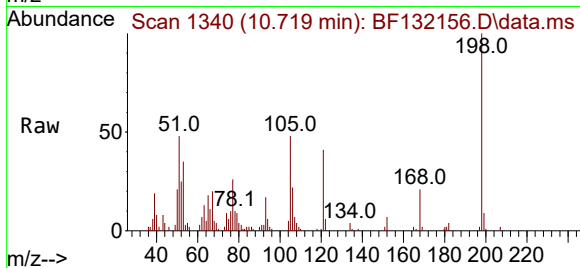




#65
4,6-Dinitro-2-methylphenol
Concen: 3.675 ng
RT: 10.719 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

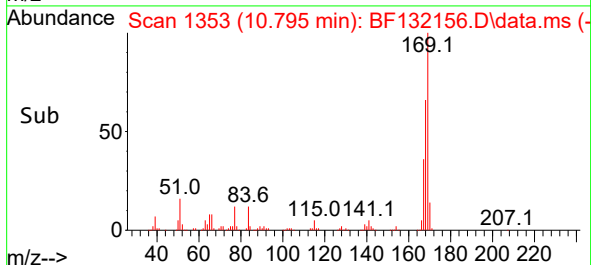
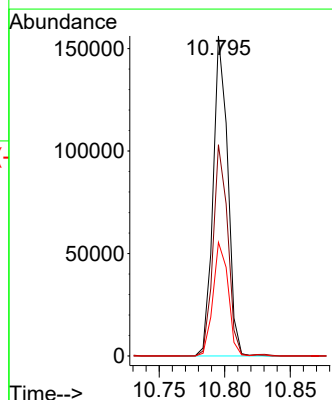
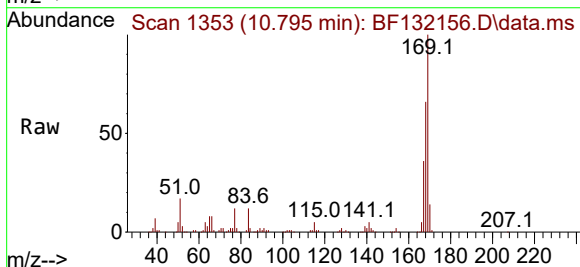
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

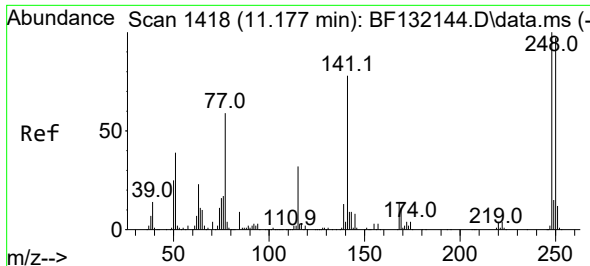
Tgt Ion:198 Resp: 10612
Ion Ratio Lower Upper
198 100
51 48.2 24.3 64.3
105 47.6 23.3 63.3



#66
n-Nitrosodiphenylamine
Concen: 5.693 ng
RT: 10.795 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:169 Resp: 121435
Ion Ratio Lower Upper
169 100
168 66.0 53.4 80.0
167 35.5 29.7 44.5

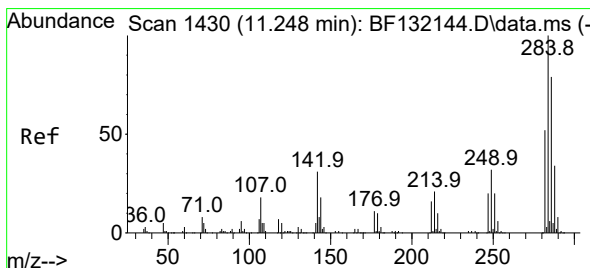
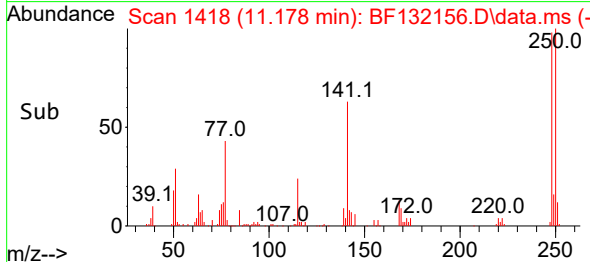
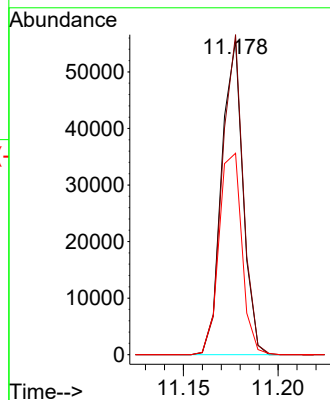
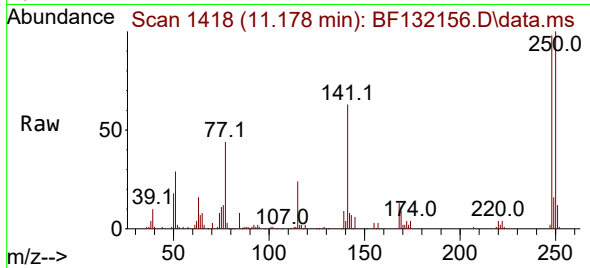




#67
4-Bromophenyl-phenylether
Concen: 5.373 ng
RT: 11.178 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

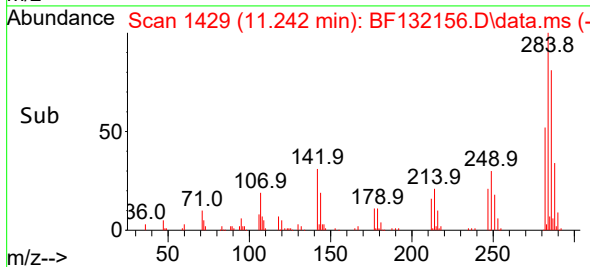
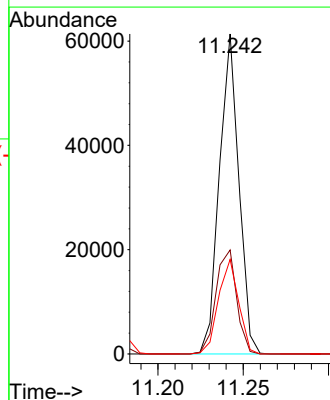
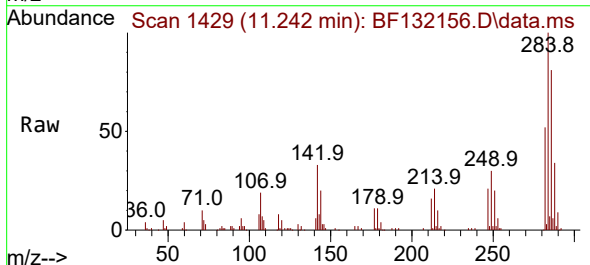
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

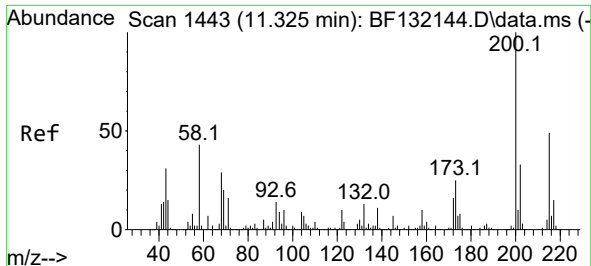
Tgt Ion:248 Resp: 43623
Ion Ratio Lower Upper
248 100
250 101.9 77.4 116.0
141 64.1 62.2 93.2



#68
Hexachlorobenzene
Concen: 6.052 ng
RT: 11.242 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:284 Resp: 48836
Ion Ratio Lower Upper
284 100
142 32.5 24.7 37.1
249 29.6 25.6 38.4

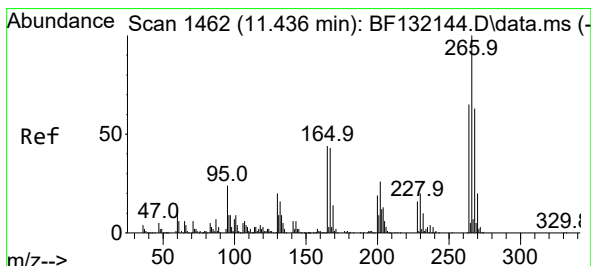
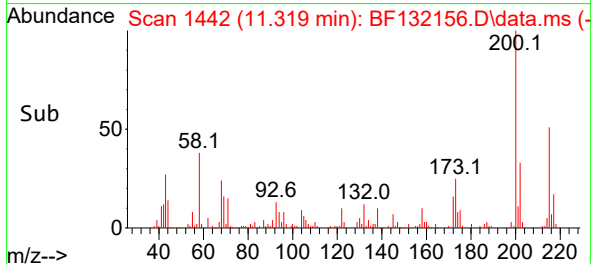
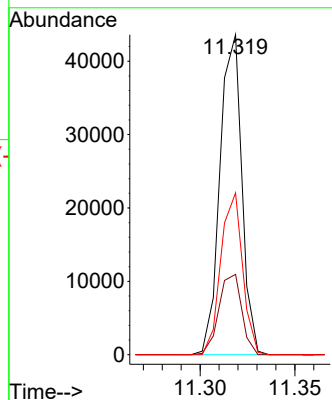
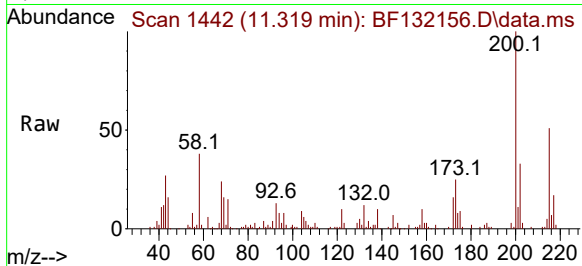




#69
Atrazine
Concen: 5.331 ng
RT: 11.319 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

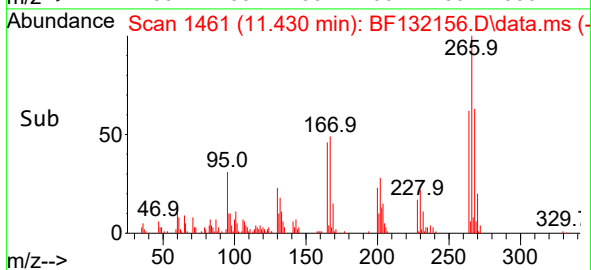
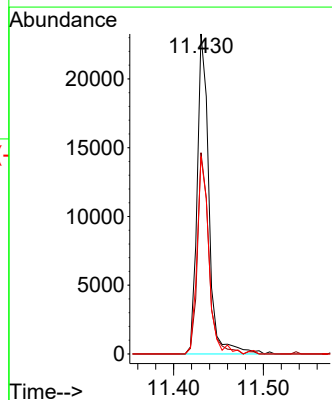
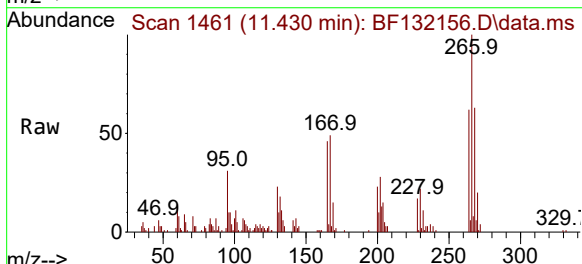
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

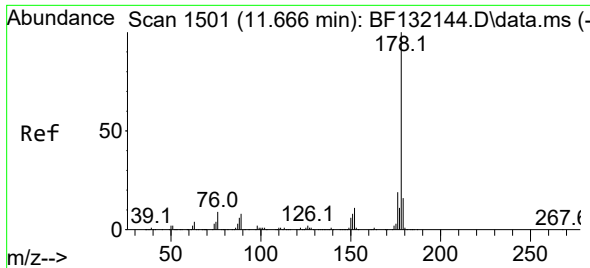
Tgt Ion:200 Resp: 35085
Ion Ratio Lower Upper
200 100
173 25.1 5.0 45.0
215 50.5 28.6 68.6



#70
Pentachlorophenol
Concen: 4.089 ng
RT: 11.430 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:266 Resp: 21201
Ion Ratio Lower Upper
266 100
268 62.9 50.8 76.2
264 61.7 52.3 78.5

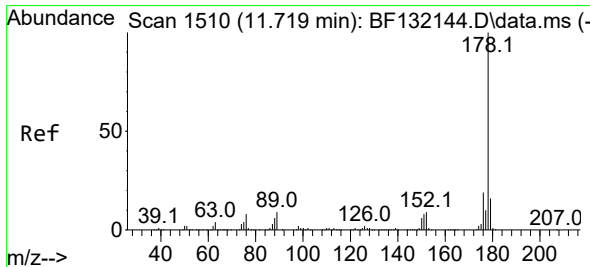
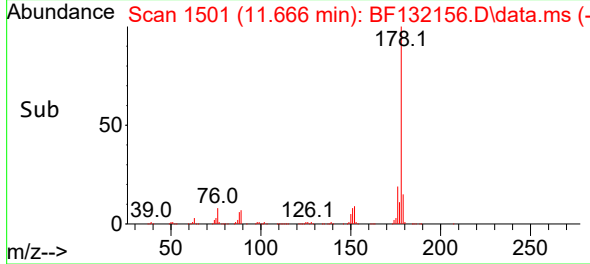
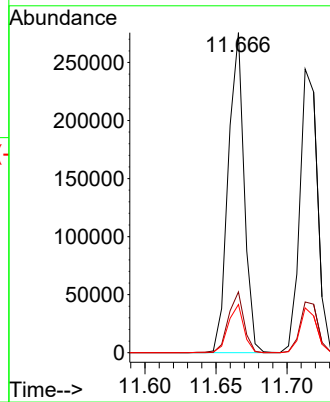
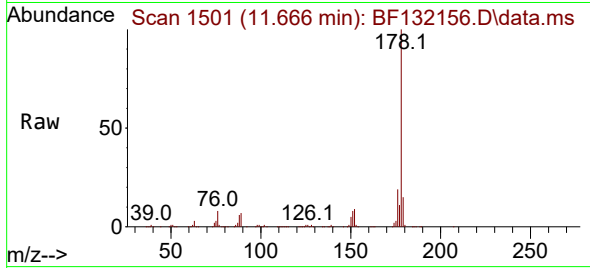




#71
Phenanthrene
Concen: 6.144 ng
RT: 11.666 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

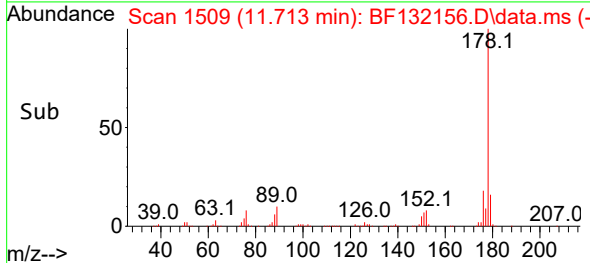
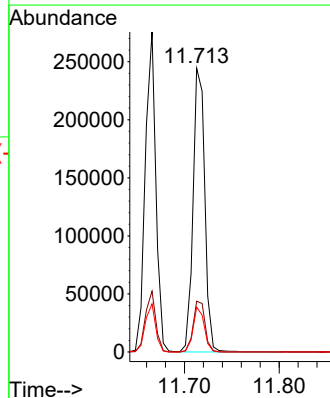
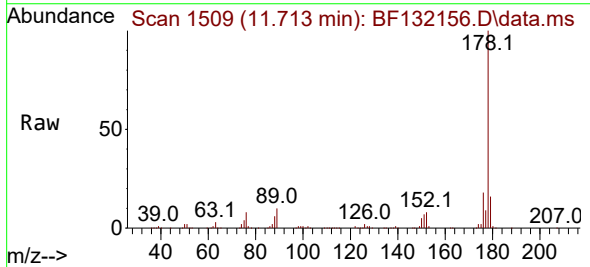
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

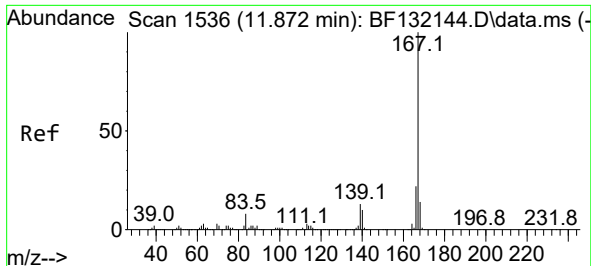
Tgt Ion:178 Resp: 214744
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.1 12.6 19.0



#72
Anthracene
Concen: 5.984 ng
RT: 11.713 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:178 Resp: 211626
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 15.8 12.6 18.8



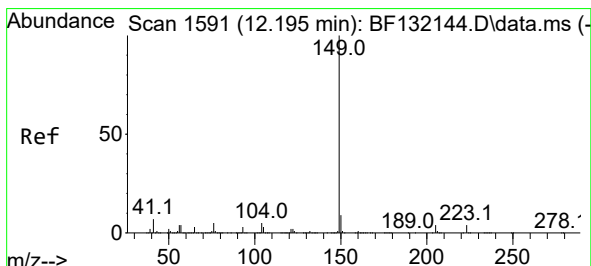
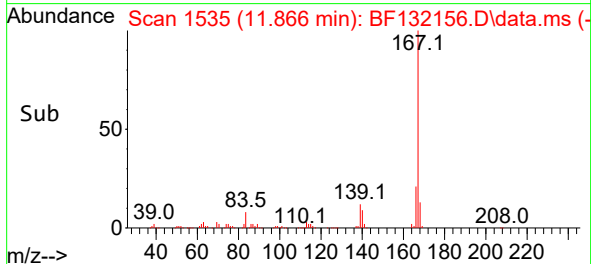
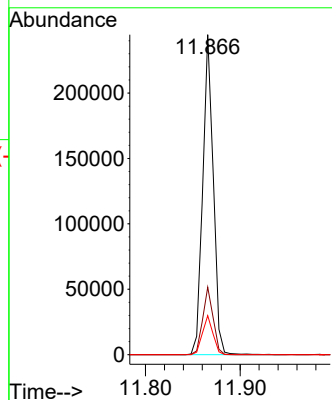
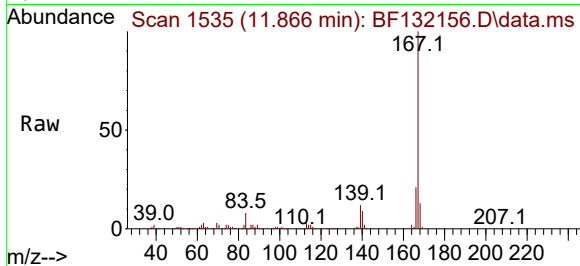


#73
 Carbazole
 Concen: 6.259 ng
 RT: 11.866 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132156.D
 Acq: 20 Jan 2023 11:07

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Tgt Ion:167 Resp: 189047

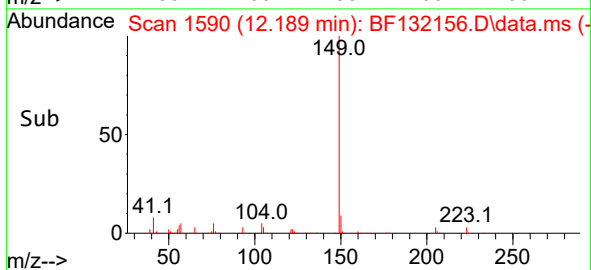
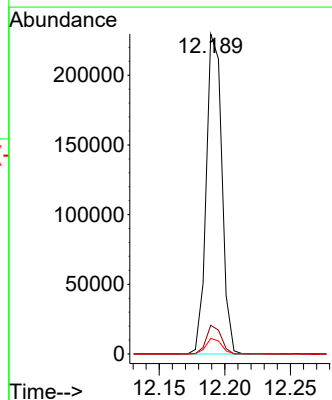
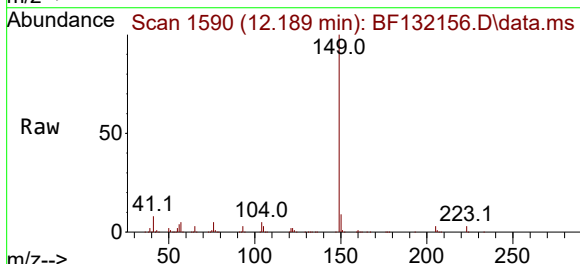
Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.7	26.5
139	12.2	10.5	15.7

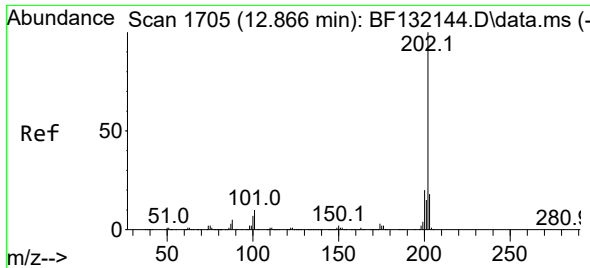


#74
 Di-n-butylphthalate
 Concen: 5.674 ng
 RT: 12.189 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF132156.D
 Acq: 20 Jan 2023 11:07

Tgt Ion:149 Resp: 190779

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	4.9	4.3	6.5

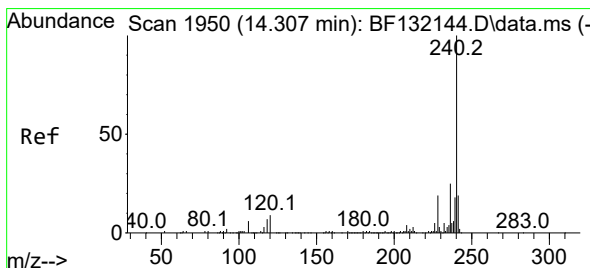
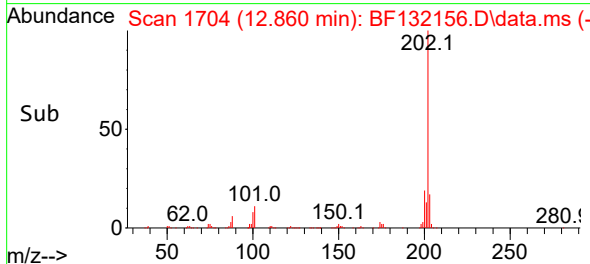
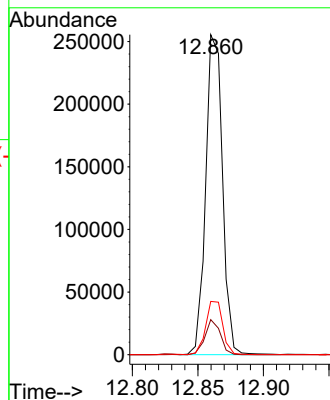
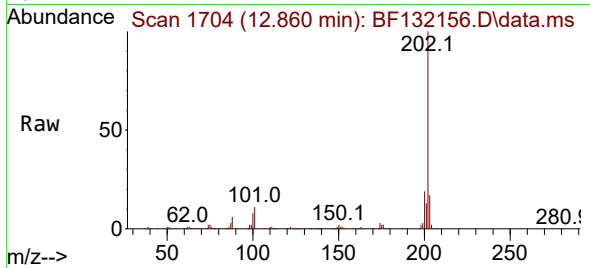




#75
Fluoranthene
Concen: 6.368 ng
RT: 12.860 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

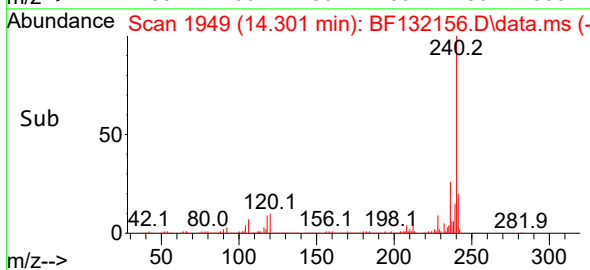
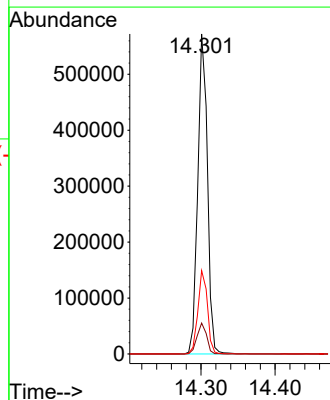
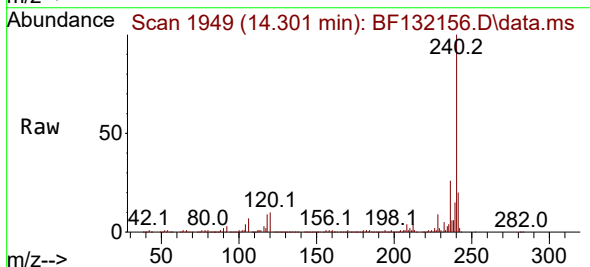
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

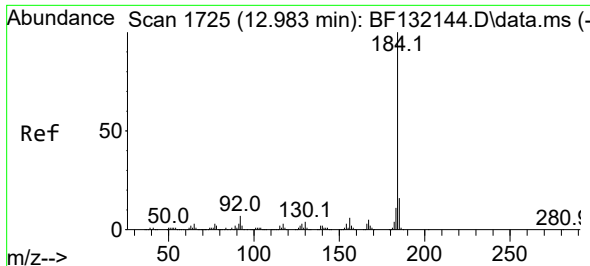
Tgt Ion:202 Resp: 228651
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.6
203 16.7 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:240 Resp: 515805
Ion Ratio Lower Upper
240 100
120 9.7 6.9 10.3
236 26.1 20.3 30.5

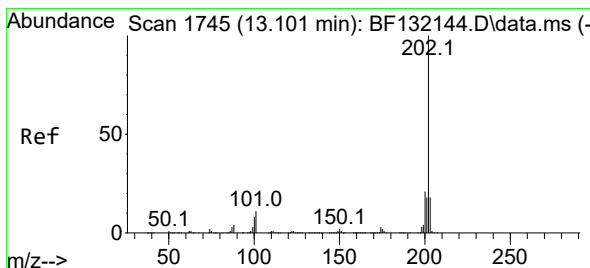
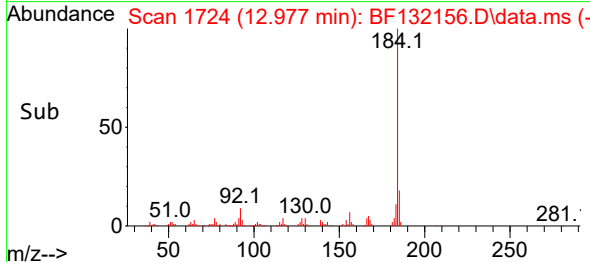
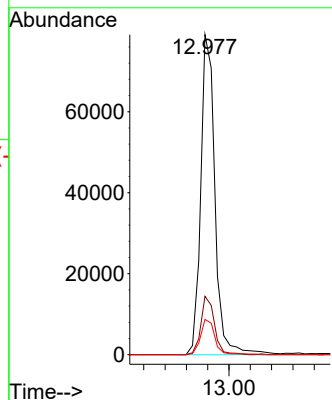
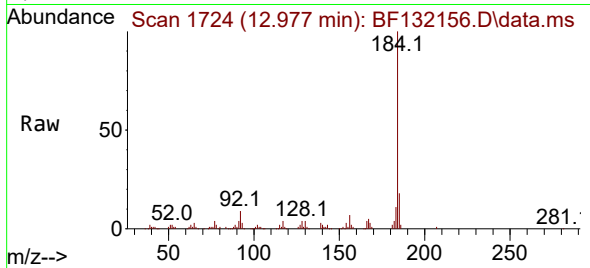




#77
Benzidine
Concen: 4.744 ng
RT: 12.977 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

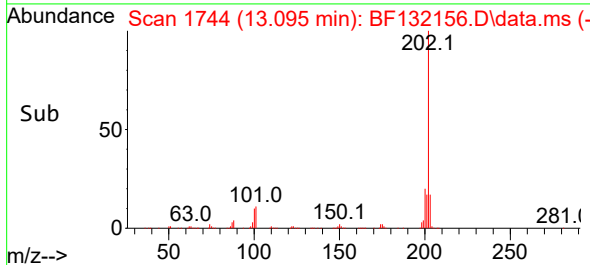
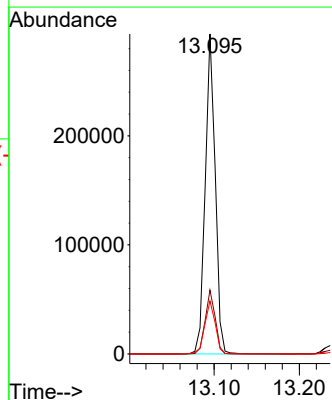
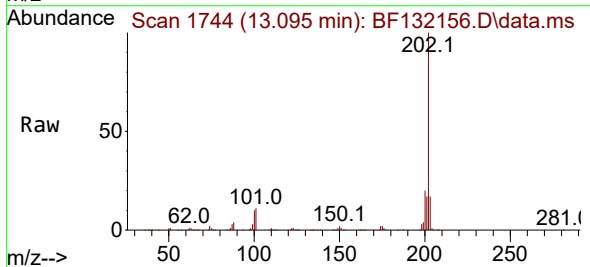
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

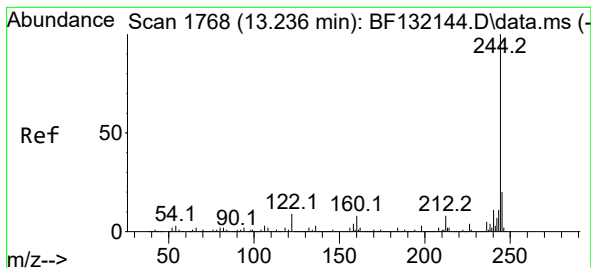
Tgt Ion:184 Resp: 73464
Ion Ratio Lower Upper
184 100
185 18.3 12.5 18.7
183 11.0 9.0 13.4



#78
Pyrene
Concen: 5.026 ng
RT: 13.095 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:202 Resp: 238909
Ion Ratio Lower Upper
202 100
200 19.9 16.7 25.1
203 16.5 14.0 21.0





#79

Terphenyl-d14

Concen: 58.398 ng

RT: 13.236 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

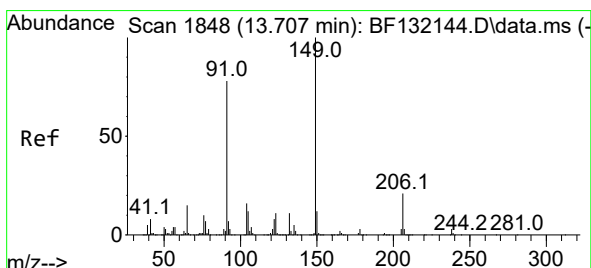
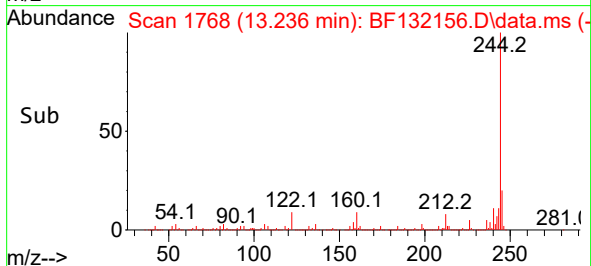
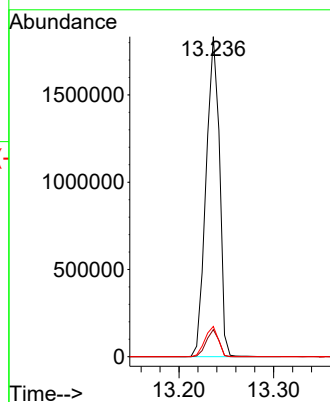
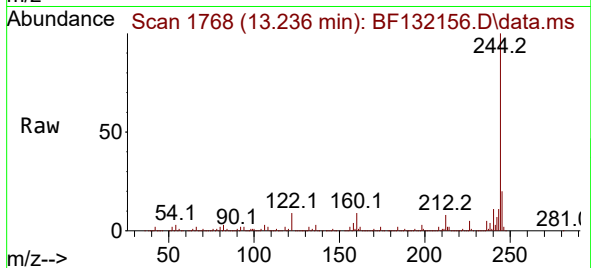
Tgt Ion:244 Resp: 1798209

Ion Ratio Lower Upper

244 100

212 8.4 6.7 10.1

122 9.5 7.4 11.2



#80

Butylbenzylphthalate

Concen: 4.528 ng

RT: 13.707 min Scan# 1848

Delta R.T. -0.000 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

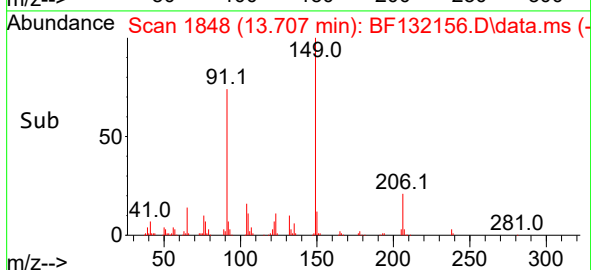
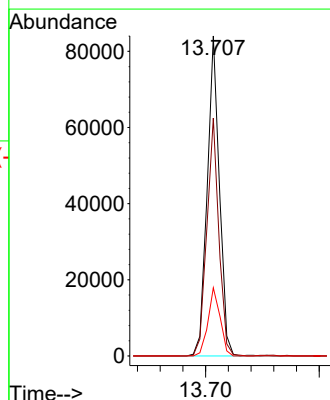
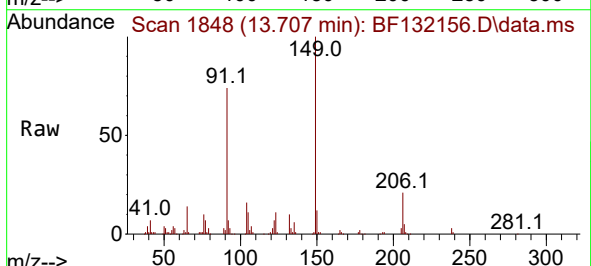
Tgt Ion:149 Resp: 62374

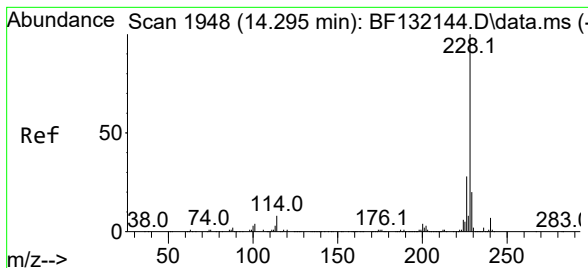
Ion Ratio Lower Upper

149 100

91 74.3 62.6 94.0

206 21.3 16.4 24.6





#81

Benzo(a)anthracene

Concen: 5.469 ng

RT: 14.289 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

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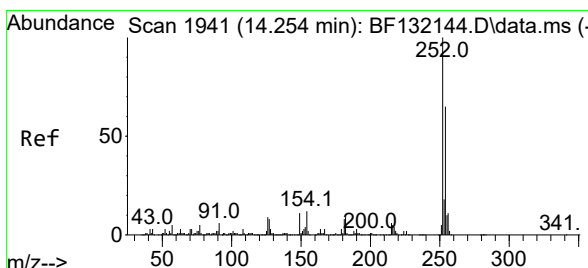
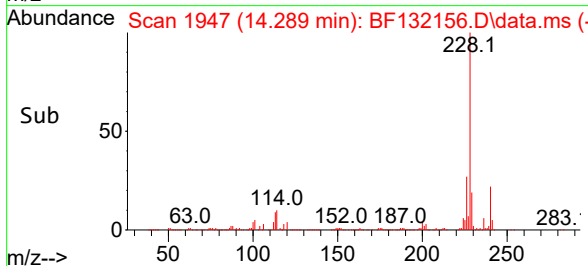
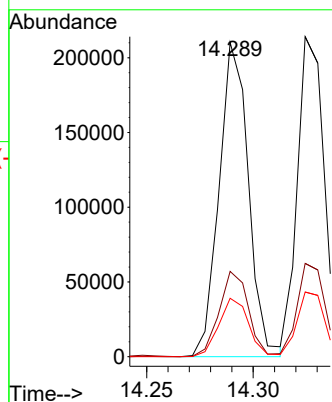
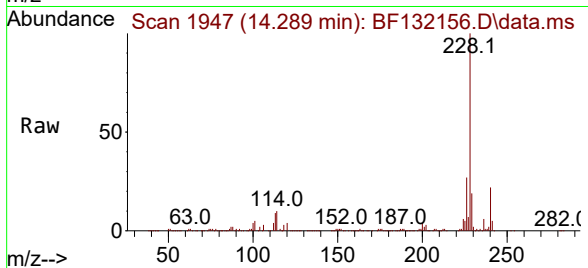
Tgt Ion:228 Resp: 201545

Ion Ratio Lower Upper

228 100

226 27.1 22.5 33.7

229 18.6 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 4.431 ng

RT: 14.248 min Scan# 1940

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

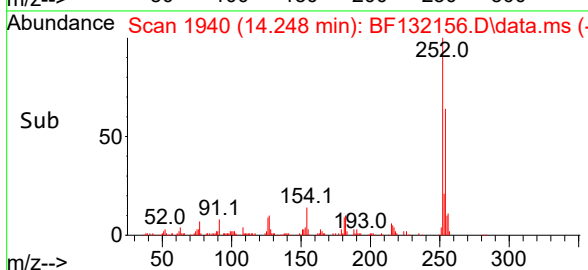
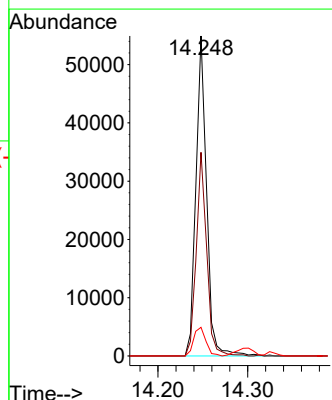
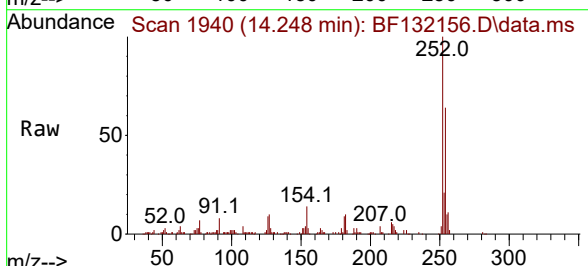
Tgt Ion:252 Resp: 45473

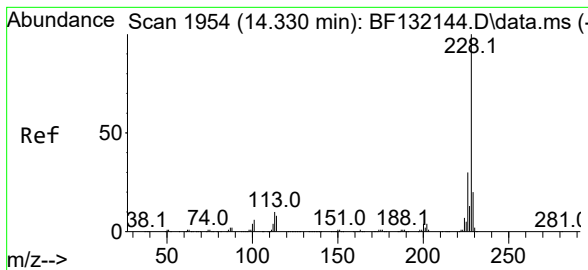
Ion Ratio Lower Upper

252 100

254 63.7 52.4 78.6

126 9.0 7.0 10.6





#83

Chrysene

Concen: 5.458 ng

RT: 14.324 min Scan# 1953

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

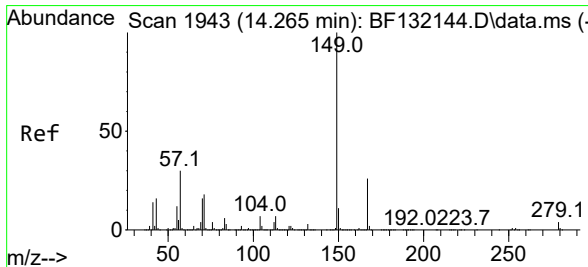
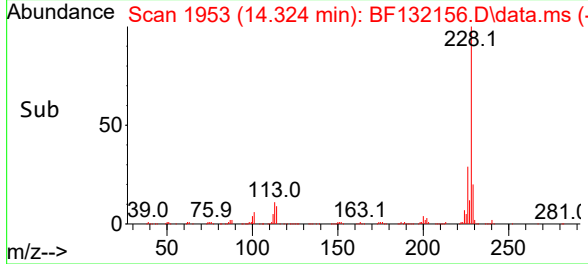
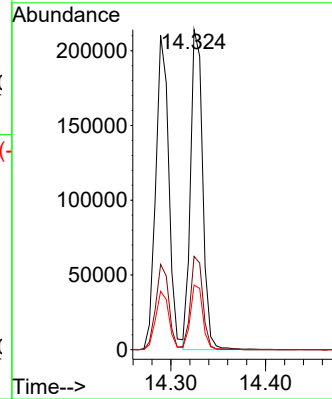
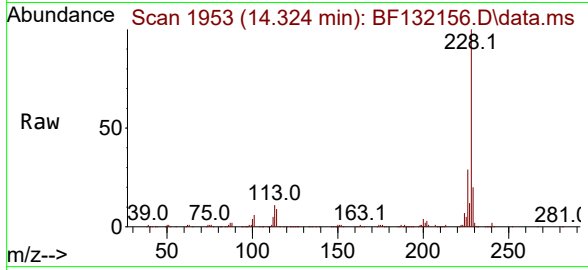
Tgt Ion:228 Resp: 191442

Ion Ratio Lower Upper

228 100

226 29.2 24.3 36.5

229 20.2 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.659 ng

RT: 14.266 min Scan# 1943

Delta R.T. 0.001 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

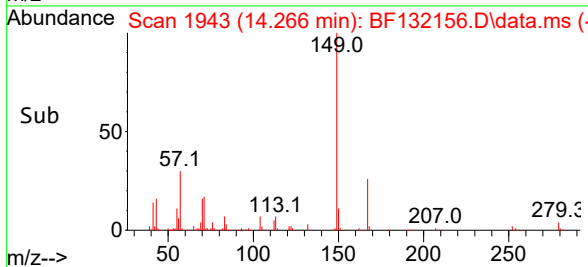
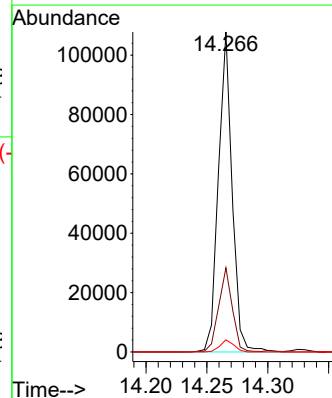
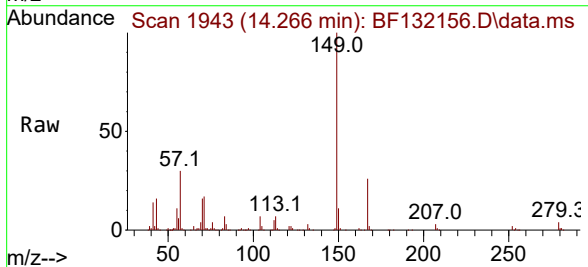
Tgt Ion:149 Resp: 84757

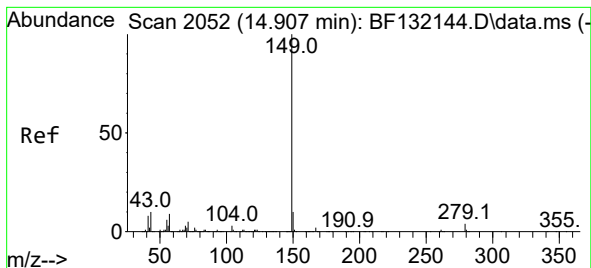
Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.6

279 3.8 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 8.592 ng

RT: 14.901 min Scan# 2051

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

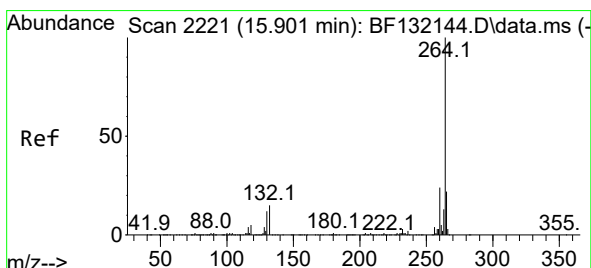
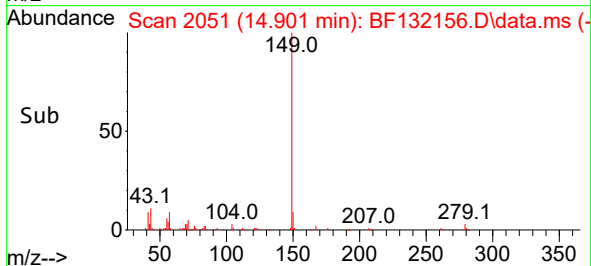
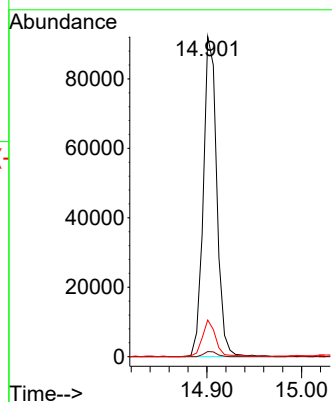
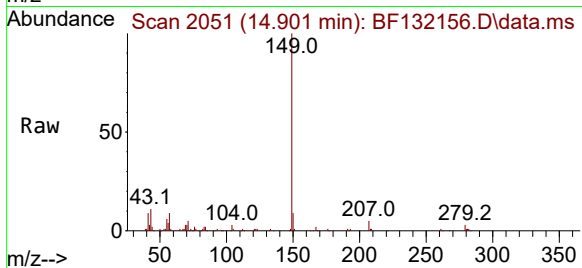
Tgt Ion:149 Resp: 90941

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.8 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.901 min Scan# 2221

Delta R.T. -0.000 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

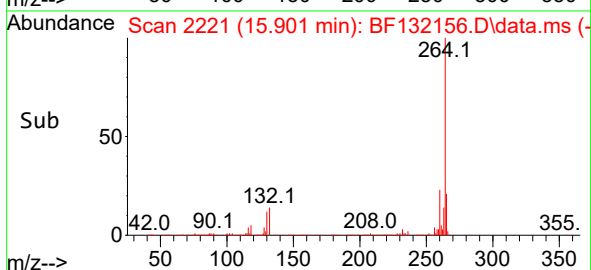
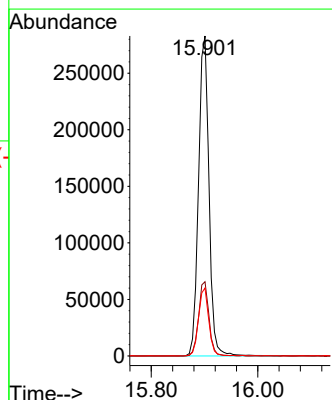
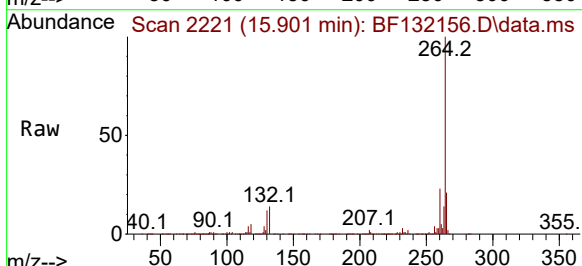
Tgt Ion:264 Resp: 384384

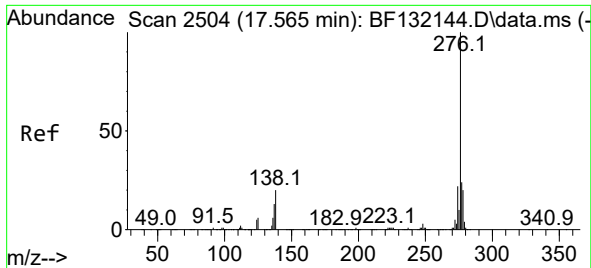
Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.3 17.4 26.0

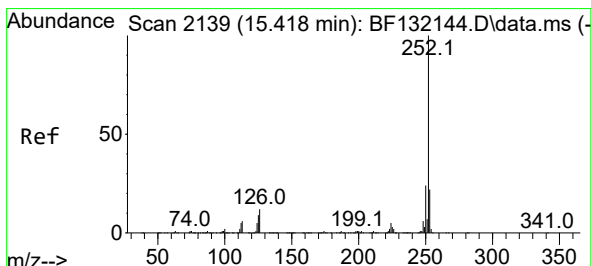
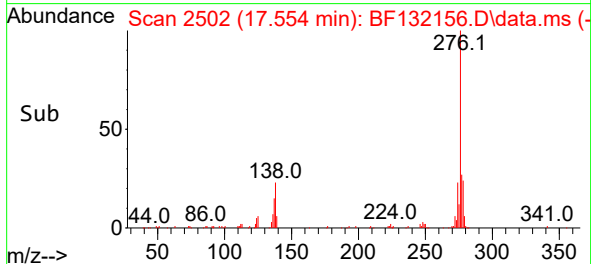
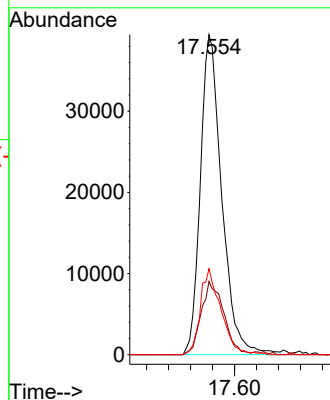
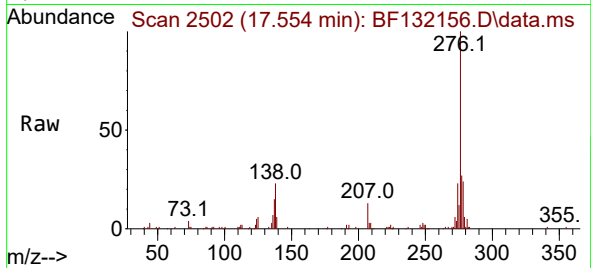




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.827 ng
 RT: 17.554 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BF132156.D
 Acq: 20 Jan 2023 11:07

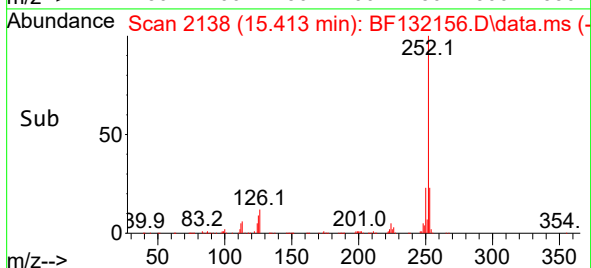
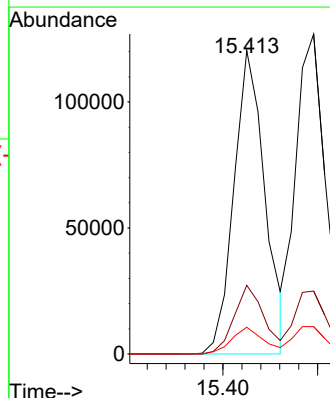
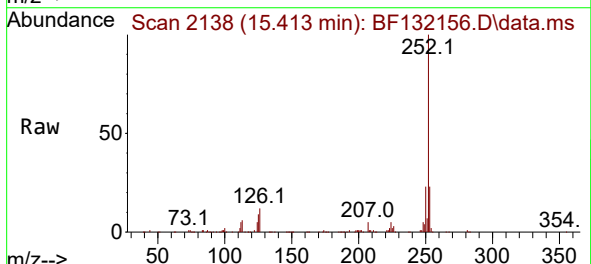
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

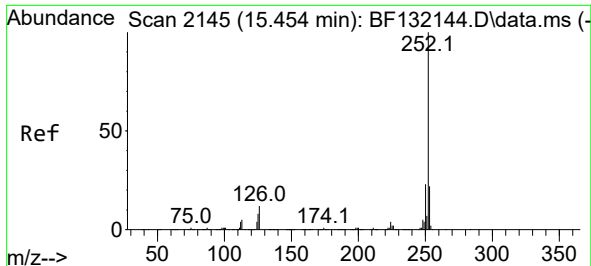
Tgt Ion:276 Resp: 106748
 Ion Ratio Lower Upper
 276 100
 138 24.0 17.9 26.9
 277 25.9 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 5.861 ng
 RT: 15.413 min Scan# 2138
 Delta R.T. -0.005 min
 Lab File: BF132156.D
 Acq: 20 Jan 2023 11:07

Tgt Ion:252 Resp: 137165
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.8 26.6
 125 8.8 7.2 10.8





#89

Benzo(k)fluoranthene

Concen: 6.022 ng

RT: 15.448 min Scan# 2145

Delta R.T. -0.006 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2022

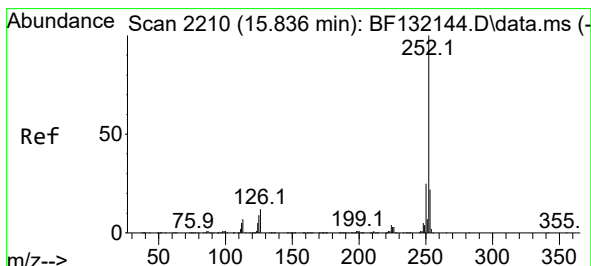
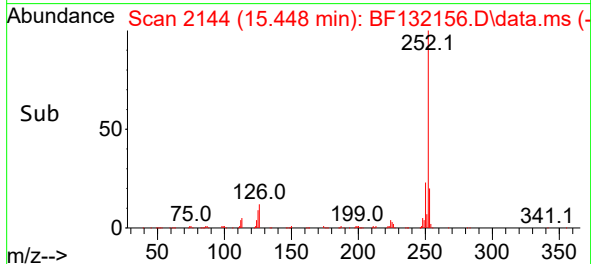
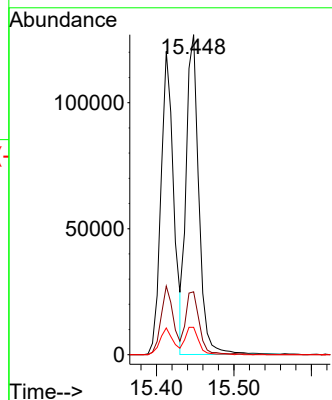
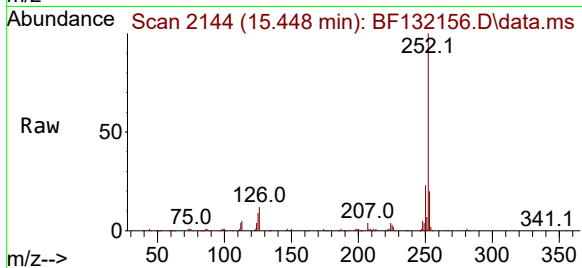
Tgt Ion:252 Resp: 143742

Ion Ratio Lower Upper

252 100

253 19.6 17.4 26.0

125 8.6 6.4 9.6



#90

Benzo(a)pyrene

Concen: 4.654 ng

RT: 15.824 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF132156.D

Acq: 20 Jan 2023 11:07

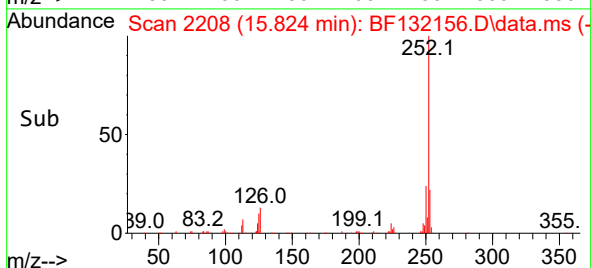
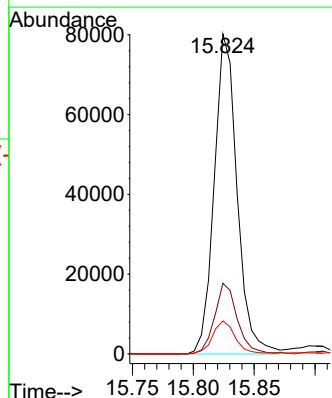
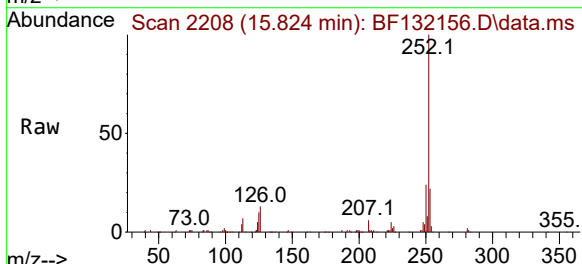
Tgt Ion:252 Resp: 104772

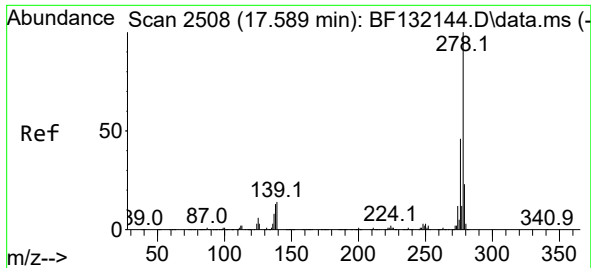
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.3 7.3 10.9

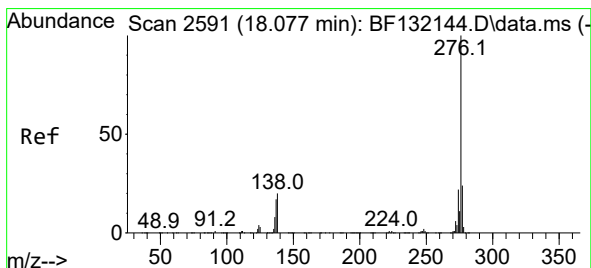
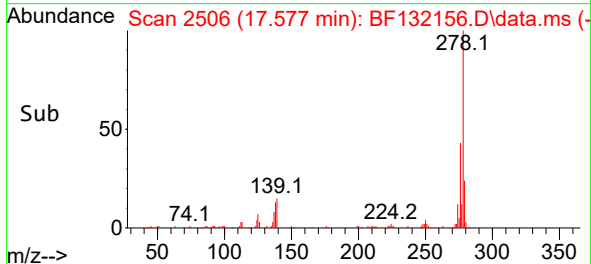
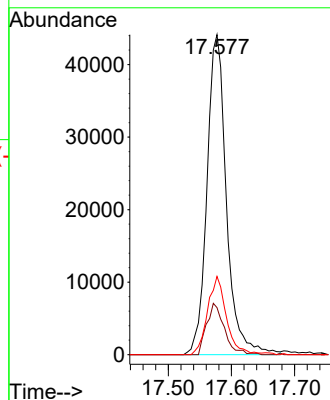
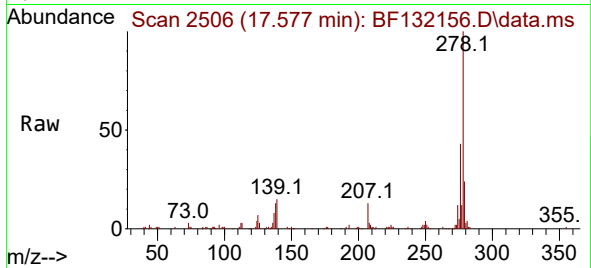




#91
Dibenzo(a,h)anthracene
Concen: 4.162 ng
RT: 17.577 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:278 Resp: 94675
Ion Ratio Lower Upper
278 100
139 14.7 11.4 17.2
279 24.5 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 4.010 ng
RT: 18.059 min Scan# 2588
Delta R.T. -0.018 min
Lab File: BF132156.D
Acq: 20 Jan 2023 11:07

Tgt Ion:276 Resp: 95992
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 17.5 15.7 23.5

