

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020322\
 Data File : BF126792.D
 Acq On : 03 Feb 2022 11:44
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Feb 03 12:04:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 02 15:08:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	148634	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	571178	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	314630	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	552266	20.000	ng	0.00
76) Chrysene-d12	14.127	240	435309	20.000	ng	# 0.00
86) Perylene-d12	15.639	264	308090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1259435	116.057	ng	0.00
7) Phenol-d6	6.569	99	1861252	123.992	ng	0.00
23) Nitrobenzene-d5	7.510	82	1193113	78.176	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	401069	122.826	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1517186	79.846	ng	0.00
79) Terphenyl-d14	13.068	244	1631949	62.714	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	26919	4.902	ng	# 89
3) Pyridine	3.610	79	63086	4.236	ng	# 82
4) n-Nitrosodimethylamine	3.504	42	23201	5.044	ng	79
6) Aniline	6.616	93	113657	5.934	ng	97
8) 2-Chlorophenol	6.734	128	54111	5.453	ng	98
9) Benzaldehyde	6.504	77	60040	6.357	ng	92
10) Phenol	6.581	94	84771	5.276	ng	97
11) bis(2-Chloroethyl)ether	6.681	93	72135	5.573	ng	92
12) 1,3-Dichlorobenzene	6.887	146	61888	5.539	ng	95
13) 1,4-Dichlorobenzene	6.963	146	63200	5.596	ng	94
14) 1,2-Dichlorobenzene	7.116	146	58516	5.332	ng	95
15) Benzyl Alcohol	7.081	79	75533	6.298	ng	93
16) 2,2'-oxybis(1-Chloropr...	7.216	45	78402	5.622	ng	81
17) 2-Methylphenol	7.181	107	50411	5.166	ng	94
18) Hexachloroethane	7.457	117	23127	5.228	ng	99
19) n-Nitroso-di-n-propyla...	7.345	70	54334	5.497	ng	# 83
20) 3+4-Methylphenols	7.334	107	66758	5.432	ng	# 70
22) Acetophenone	7.351	105	90128	5.453	ng	# 87
24) Nitrobenzene	7.528	77	86731	5.725	ng	# 86
25) Isophorone	7.757	82	141889	5.417	ng	# 92
26) 2-Nitrophenol	7.839	139	25797	5.109	ng	# 78
27) 2,4-Dimethylphenol	7.869	122	53179	6.030	ng	90
28) bis(2-Chloroethoxy)met...	7.969	93	88909	5.352	ng	# 96
29) 2,4-Dichlorophenol	8.075	162	43287	4.986	ng	96
30) 1,2,4-Trichlorobenzene	8.169	180	50686	5.429	ng	97
31) Naphthalene	8.251	128	169829	5.689	ng	99
32) Benzoic acid	7.916	122	18545	2.725	ng	# 82
33) 4-Chloroaniline	8.298	127	68912	5.713	ng	# 95
34) Hexachlorobutadiene	8.363	225	28976	4.952	ng	97
35) Caprolactam	8.622	113	15516	4.912	ng	# 78
36) 4-Chloro-3-methylphenol	8.763	107	57079	5.158	ng	90
37) 2-Methylnaphthalene	8.939	142	110513	6.007	ng	99
38) 1-Methylnaphthalene	9.039	142	101130	5.711	ng	95
40) 1,2,4,5-Tetrachloroben...	9.104	216	47585	5.253	ng	97
41) Hexachlorocyclopentadiene	9.092	237	28903	5.535	ng	97
43) 2,4,6-Trichlorophenol	9.216	196	31747	4.975	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020322\
 Data File : BF126792.D
 Acq On : 03 Feb 2022 11:44
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

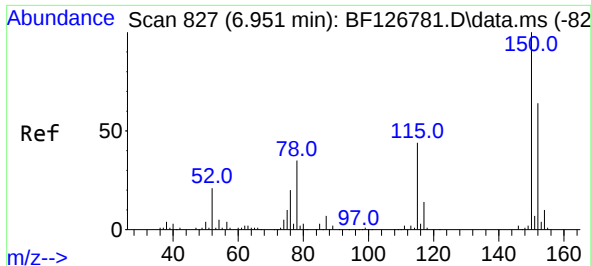
Quant Time: Feb 03 12:04:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 02 15:08:47 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	34674	5.204	ng	# 88
46) 1,1'-Biphenyl	9.404	154	132557	5.753	ng	96
47) 2-Chloronaphthalene	9.433	162	103976	5.692	ng	96
48) 2-Nitroaniline	9.522	65	37367	5.017	ng	92
49) Acenaphthylene	9.845	152	164009	5.815	ng	99
50) Dimethylphthalate	9.698	163	115466	5.309	ng	98
51) 2,6-Dinitrotoluene	9.763	165	24627	5.513	ng	90
52) Acenaphthene	10.022	154	101208	5.628	ng	97
53) 3-Nitroaniline	9.933	138	28063	5.513	ng	90
54) 2,4-Dinitrophenol	10.039	184	6472	2.750	ng	# 86
55) Dibenzofuran	10.192	168	150372	5.666	ng	98
56) 4-Nitrophenol	10.075	139	17901	4.643	ng	# 76
57) 2,4-Dinitrotoluene	10.163	165	32126	5.306	ng	# 95
58) Fluorene	10.533	166	115771	5.895	ng	94
59) 2,3,4,6-Tetrachlorophenol	10.304	232	27294	4.733	ng	# 83
60) Diethylphthalate	10.398	149	114806	5.373	ng	98
61) 4-Chlorophenyl-phenyle...	10.527	204	55576	5.595	ng	90
62) 4-Nitroaniline	10.539	138	25018	5.179	ng	84
63) Azobenzene	10.686	77	165340	5.576	ng	89
65) 4,6-Dinitro-2-methylph...	10.569	198	11327	3.381	ng	89
66) n-Nitrosodiphenylamine	10.645	169	99390	5.596	ng	99
67) 4-Bromophenyl-phenylether	11.022	248	33805	5.348	ng	# 89
68) Hexachlorobenzene	11.080	284	36611	5.293	ng	# 93
69) Atrazine	11.163	200	30948	5.370	ng	92
70) Pentachlorophenol	11.274	266	17097	4.237	ng	95
71) Phenanthrene	11.504	178	175436	5.736	ng	99
72) Anthracene	11.557	178	181153	5.913	ng	98
73) Carbazole	11.710	167	150515	5.208	ng	98
74) Di-n-butylphthalate	12.033	149	174665	5.213	ng	99
75) Fluoranthene	12.692	202	170048	5.466	ng	99
77) Benzidine	12.816	184	88510	8.863	ng	98
78) Pyrene	12.927	202	178141	5.121	ng	99
80) Butylbenzylphthalate	13.539	149	62469	4.328	ng	# 94
81) Benzo(a)anthracene	14.115	228	148126	5.100	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	42341	5.090	ng	# 98
83) Chrysene	14.151	228	149681	5.443	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	91910	4.894	ng	# 98
85) Di-n-octyl phthalate	14.715	149	128874	4.813	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.180	276	79569	4.234	ng	# 91
88) Benzo(b)fluoranthene	15.186	252	113520	5.635	ng	# 93
89) Benzo(k)fluoranthene	15.215	252	106535	5.301	ng	# 95
90) Benzo(a)pyrene	15.574	252	96695	6.021	ng	# 95
91) Dibenzo(a,h)anthracene	17.204	278	67678	4.397	ng	# 94
92) Benzo(g,h,i)perylene	17.651	276	67378	4.432	ng	93

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

Quant Time: Feb 03 12:04:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 02 15:08:47 2022
Response via : Initial Calibration

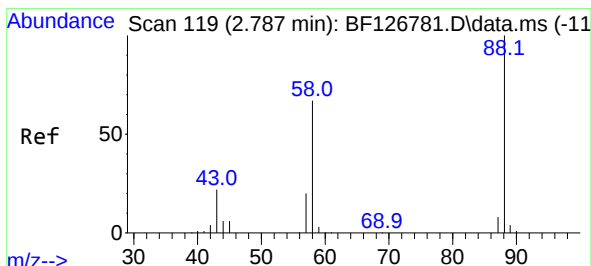
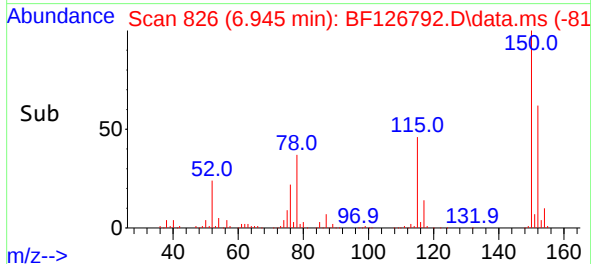
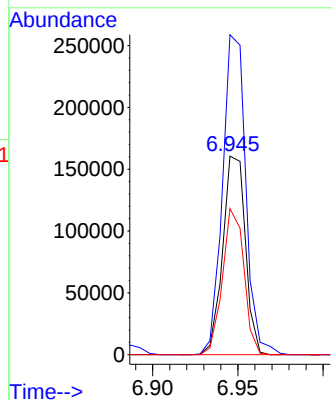
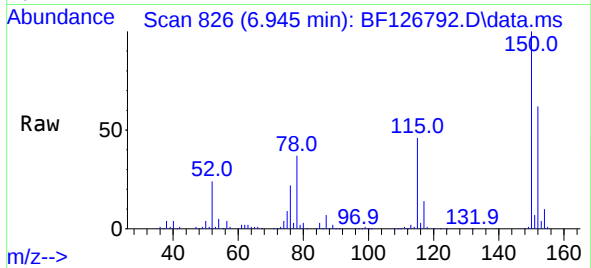




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

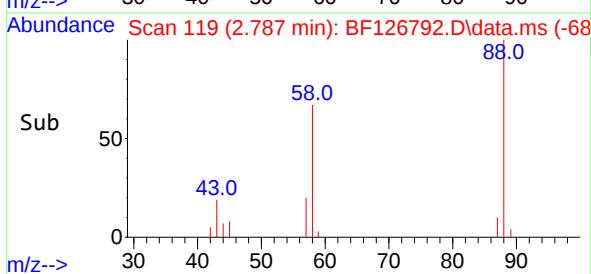
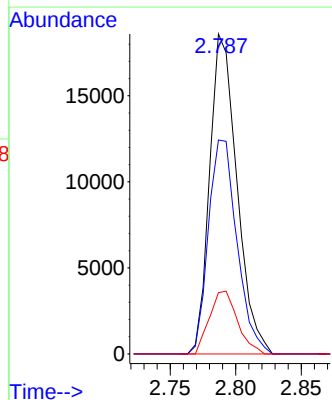
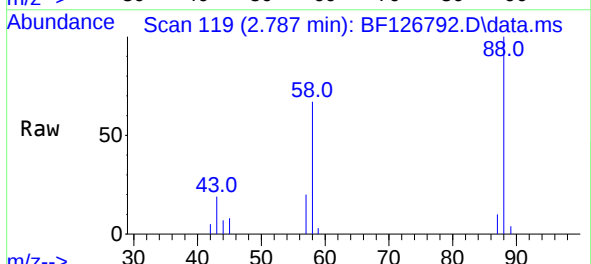
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

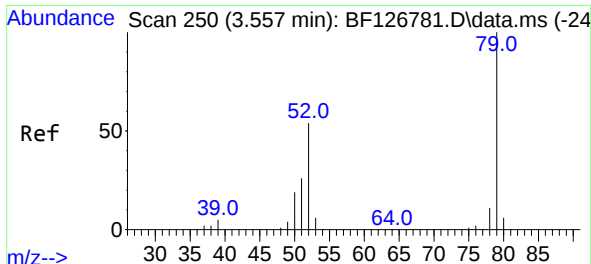
Tgt Ion:152 Resp: 148634
Ion Ratio Lower Upper
152 100
150 161.2 128.1 192.1
115 73.6 56.7 85.1



#2
1,4-Dioxane
Concen: 4.902 ng
RT: 2.787 min Scan# 119
Delta R.T. -0.000 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion: 88 Resp: 26919
Ion Ratio Lower Upper
88 100
58 69.9 62.8 94.2
43 20.2 22.3 33.5#

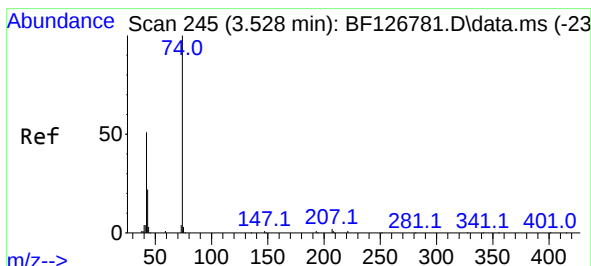
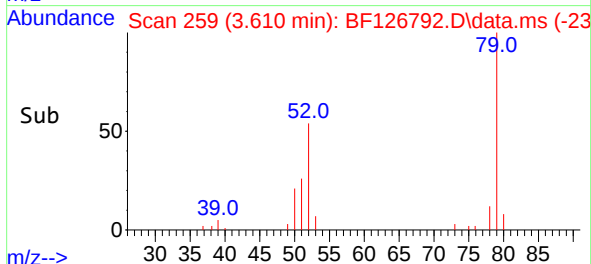
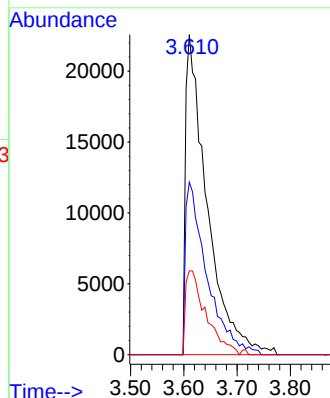
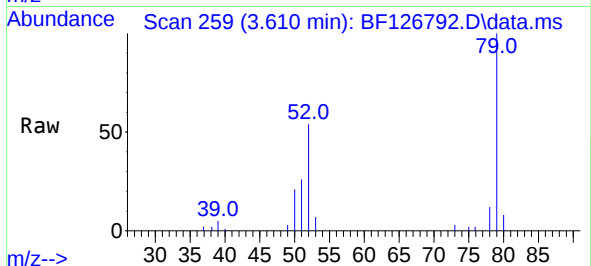




#3
Pyridine
Concen: 4.236 ng
RT: 3.610 min Scan# 21
Delta R.T. 0.053 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

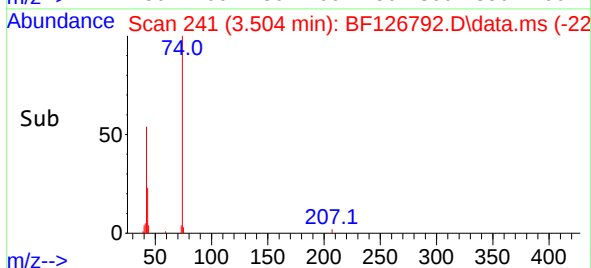
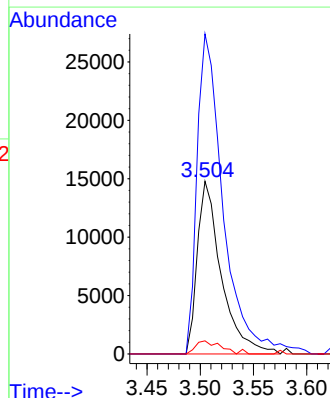
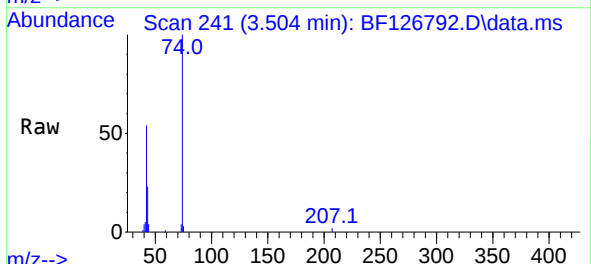
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

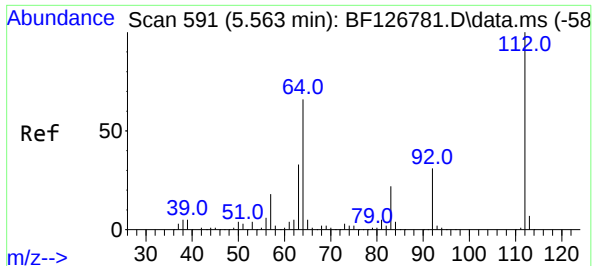
Tgt Ion: 79 Resp: 63086
Ion Ratio Lower Upper
79 100
52 53.9 56.2 84.4#
51 26.2 26.7 40.1#



#4
n-Nitrosodimethylamine
Concen: 5.044 ng
RT: 3.504 min Scan# 241
Delta R.T. -0.024 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion: 42 Resp: 23201
Ion Ratio Lower Upper
42 100
74 185.4 125.6 188.4
44 7.6 5.7 8.5

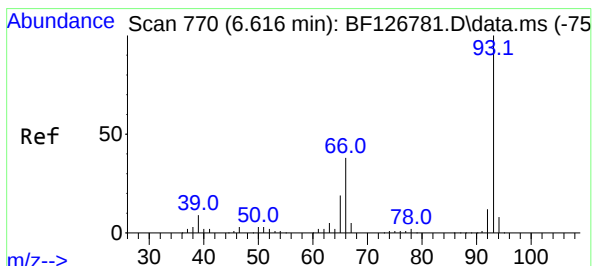
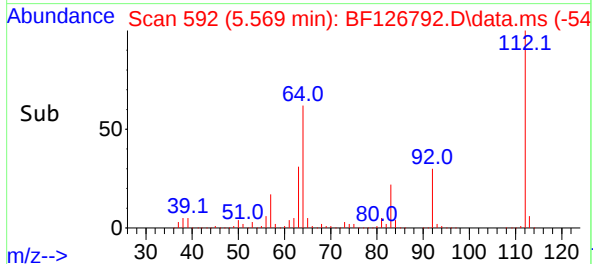
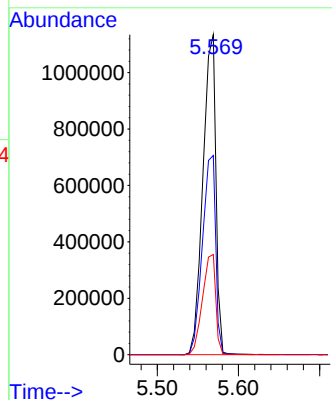
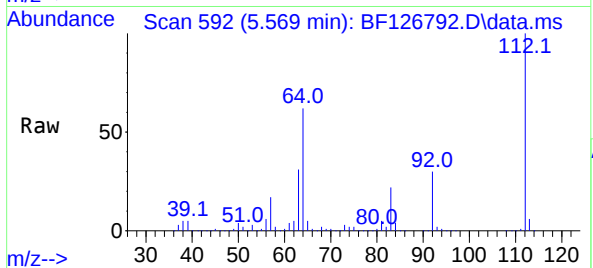




#5
2-Fluorophenol
Concen: 116.057 ng
RT: 5.569 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

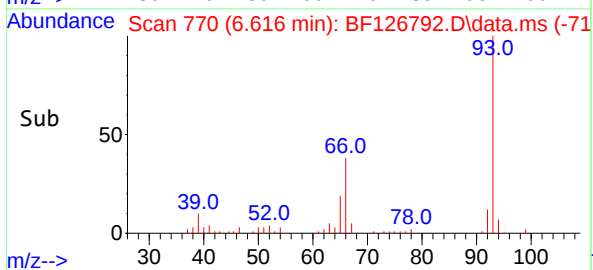
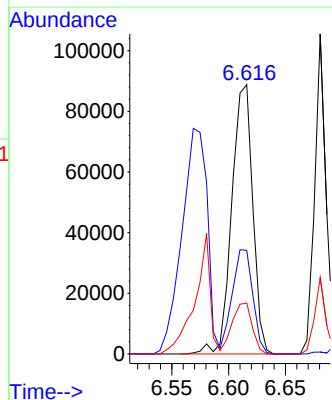
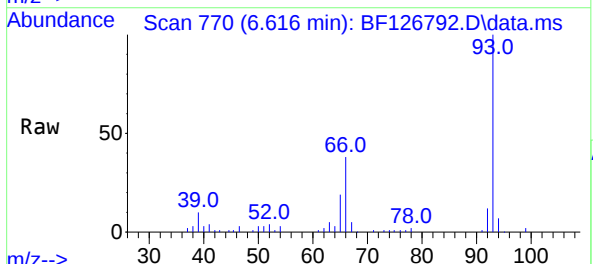
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

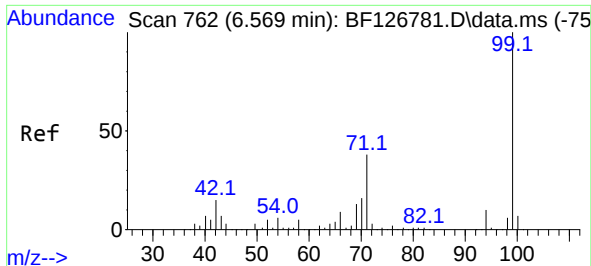
Tgt Ion:112 Resp: 1259435
Ion Ratio Lower Upper
112 100
64 62.3 49.5 74.3
63 31.3 23.9 35.9



#6
Aniline
Concen: 5.934 ng
RT: 6.616 min Scan# 770
Delta R.T. -0.000 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion: 93 Resp: 113657
Ion Ratio Lower Upper
93 100
66 38.4 32.2 48.4
65 18.9 16.3 24.5

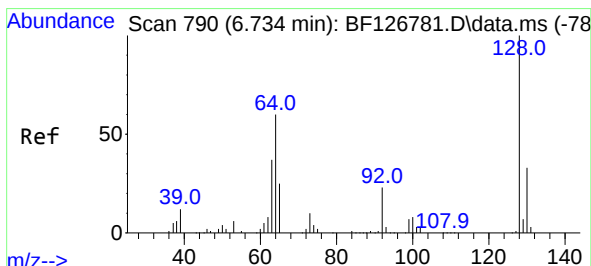
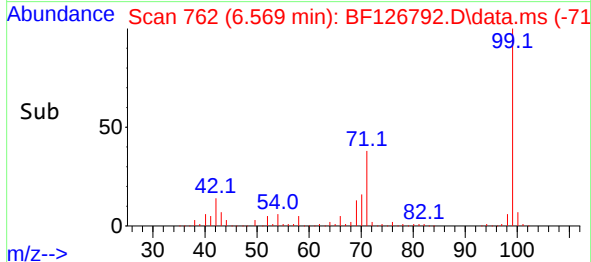
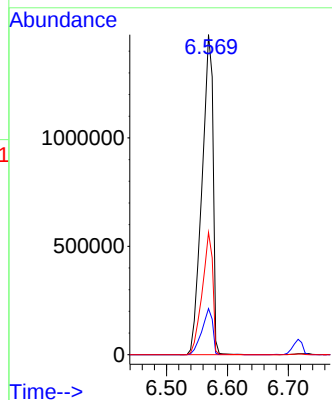
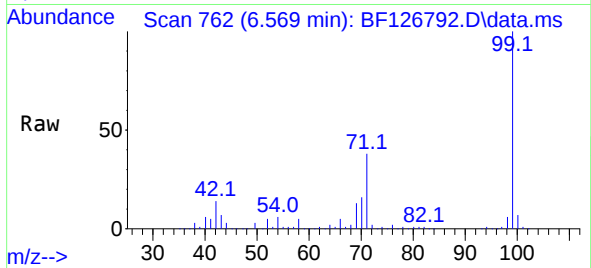




#7
Phenol-d6
Concen: 123.992 ng
RT: 6.569 min Scan# 762
Delta R.T. -0.000 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

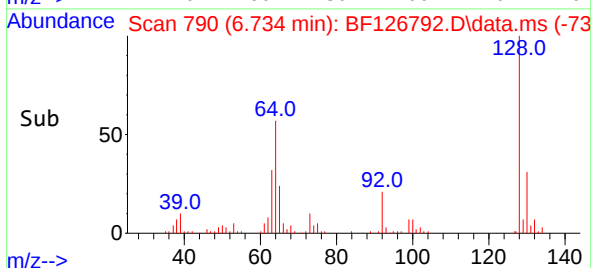
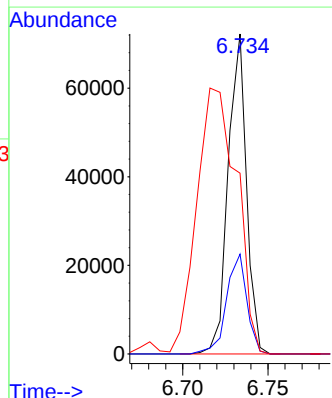
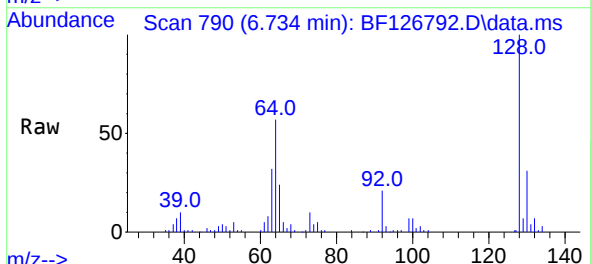
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

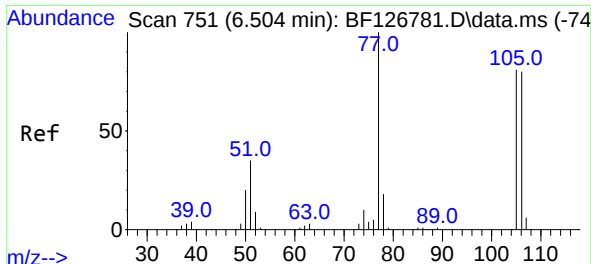
Tgt Ion: 99 Resp: 1861252
Ion Ratio Lower Upper
99 100
42 14.4 14.2 21.4
71 38.2 24.3 36.5#



#8
2-Chlorophenol
Concen: 5.453 ng
RT: 6.734 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:128 Resp: 54111
Ion Ratio Lower Upper
128 100
130 31.2 12.7 52.7
64 56.5 35.6 75.6



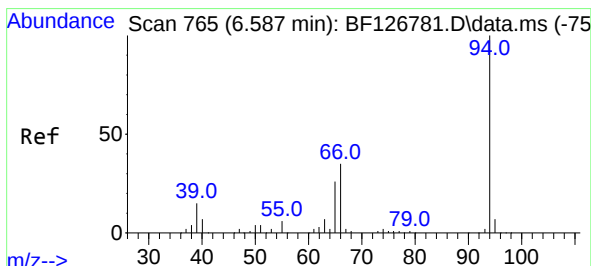
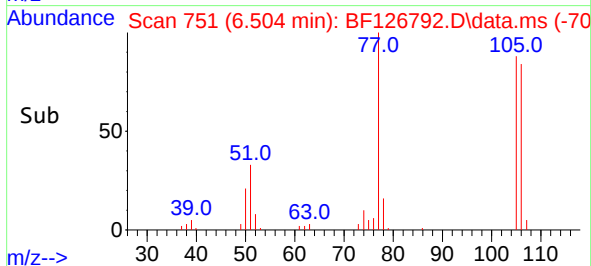
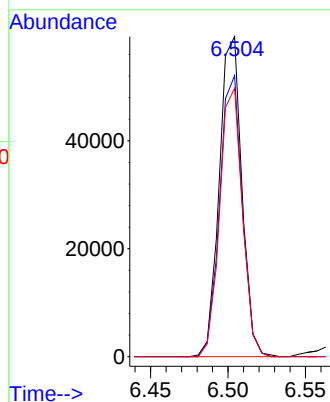
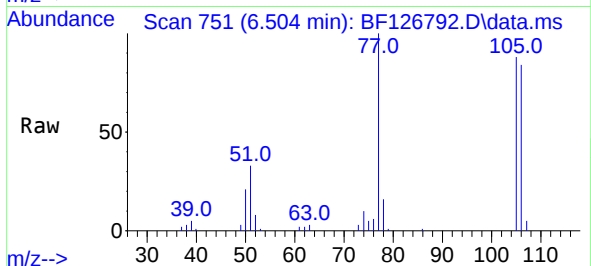


#9
Benzaldehyde
Concen: 6.357 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2021

Tgt Ion: 77 Resp: 60040

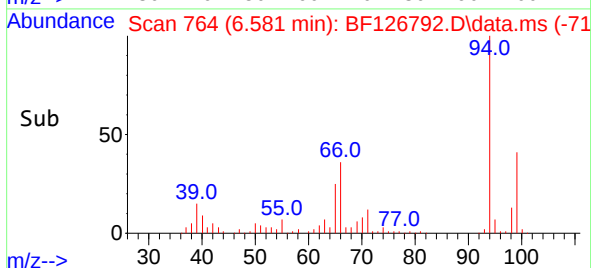
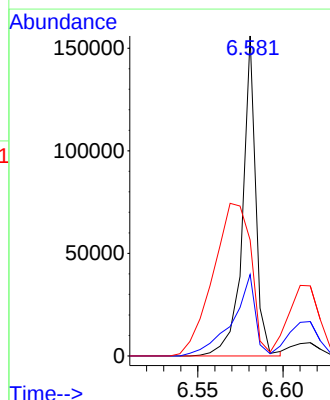
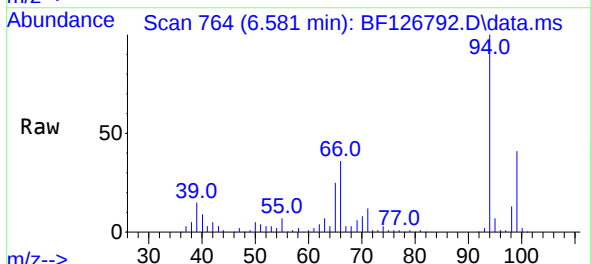
Ion	Ratio	Lower	Upper
77	100		
105	87.8	74.9	114.9
106	83.9	72.4	112.4

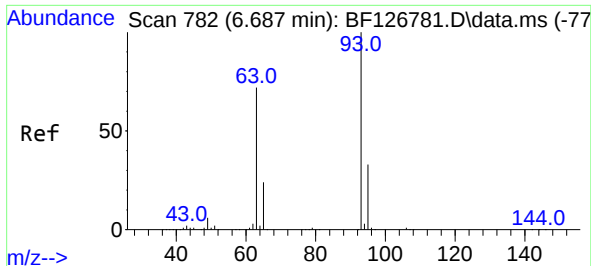


#10
Phenol
Concen: 5.276 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion: 94 Resp: 84771

Ion	Ratio	Lower	Upper
94	100		
65	25.5	7.2	47.2
66	36.2	14.5	54.5

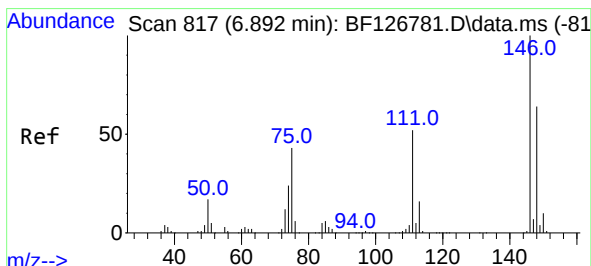
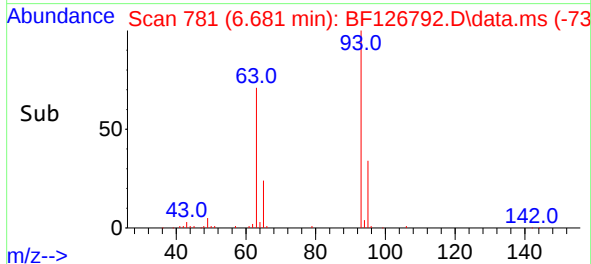
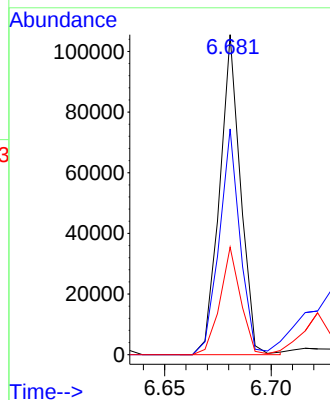
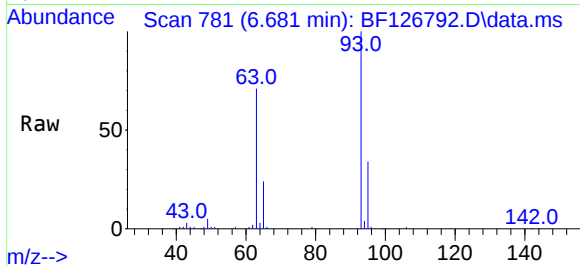




#11
bis(2-Chloroethyl)ether
Concen: 5.573 ng
RT: 6.681 min Scan# 781
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

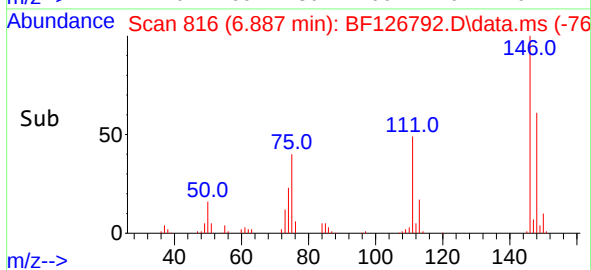
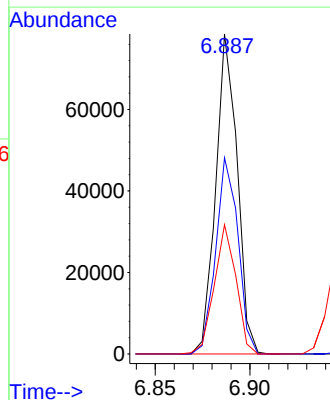
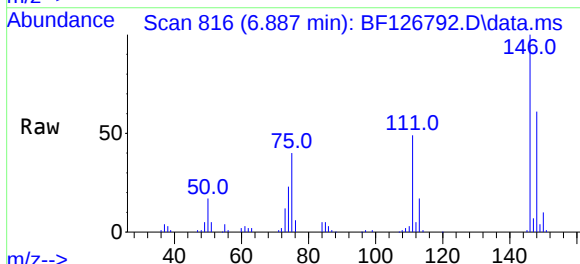
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

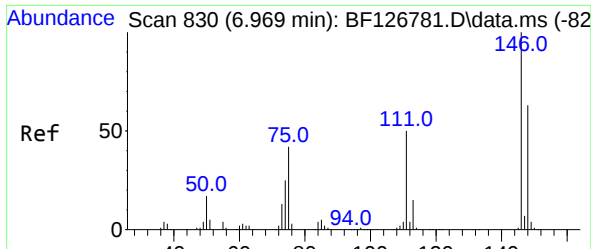
Tgt Ion:	93	Resp:	72135
Ion	Ratio	Lower	Upper
93	100		
63	70.5	60.5	100.5
95	33.6	12.9	52.9



#12
1,3-Dichlorobenzene
Concen: 5.539 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:	146	Resp:	61888
Ion	Ratio	Lower	Upper
146	100		
148	61.3	50.9	76.3
75	40.4	28.4	42.6

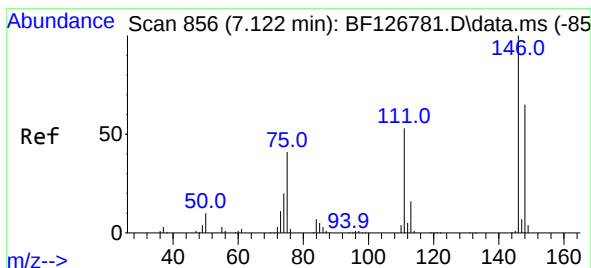
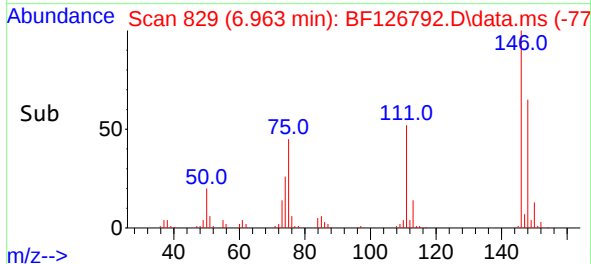
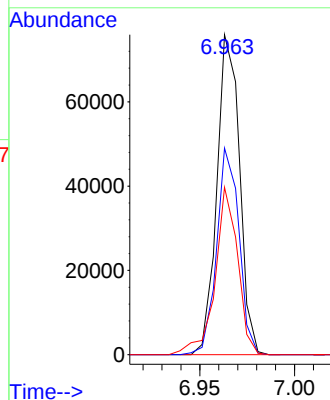
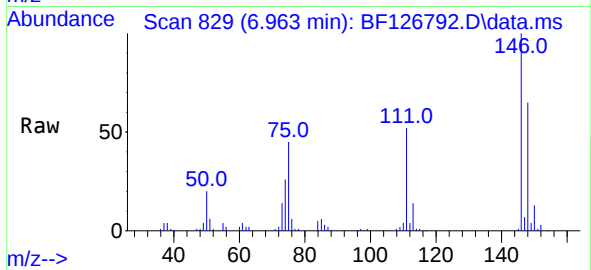




#13
1,4-Dichlorobenzene
Concen: 5.596 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

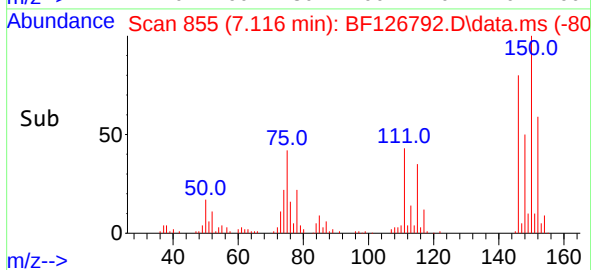
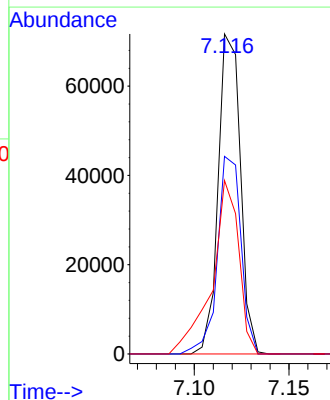
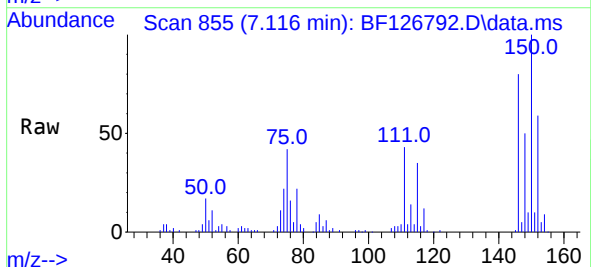
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

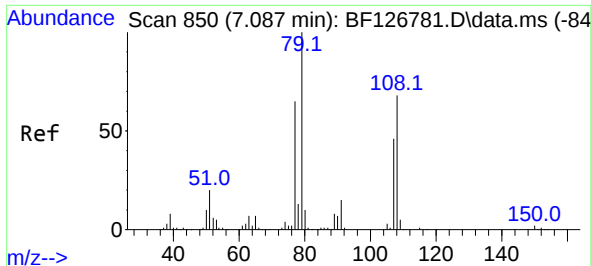
Tgt Ion:146 Resp: 63200
Ion Ratio Lower Upper
146 100
148 64.6 49.8 74.6
111 52.3 36.1 54.1



#14
1,2-Dichlorobenzene
Concen: 5.332 ng
RT: 7.116 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:146 Resp: 58516
Ion Ratio Lower Upper
146 100
148 61.7 51.6 77.4
111 54.2 40.2 60.2

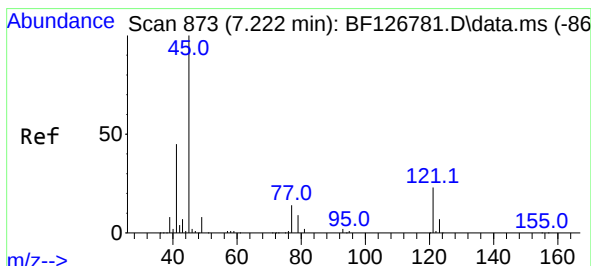
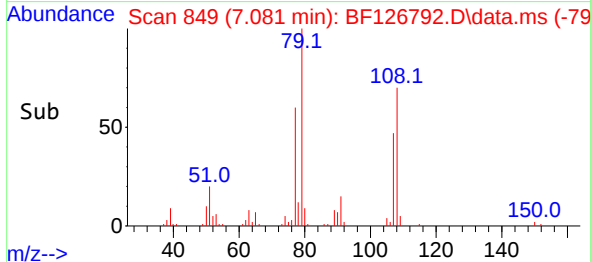
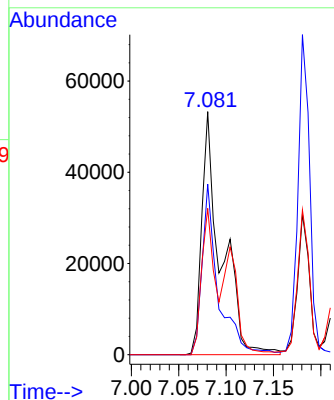
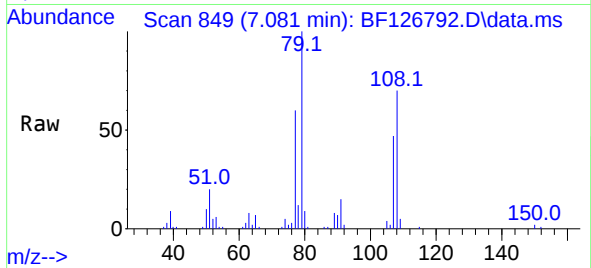




#15
Benzyl Alcohol
Concen: 6.298 ng
RT: 7.081 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

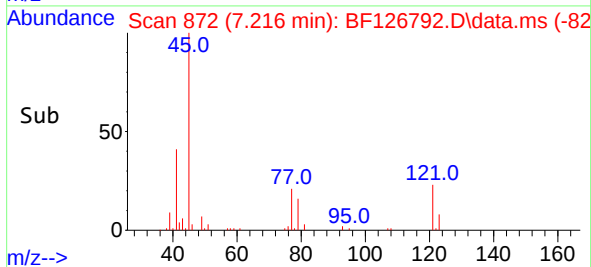
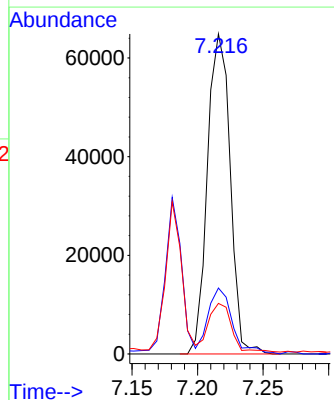
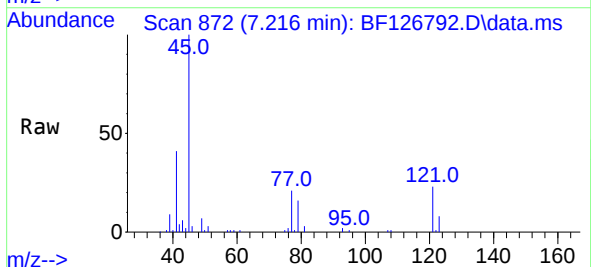
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

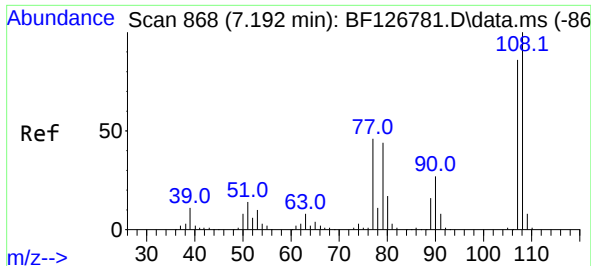
Tgt Ion: 79 Resp: 75533
Ion Ratio Lower Upper
79 100
108 70.2 63.2 94.8
77 60.2 49.4 74.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.622 ng
RT: 7.216 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion: 45 Resp: 78402
Ion Ratio Lower Upper
45 100
77 20.6 0.0 32.4
79 15.8 0.0 29.8

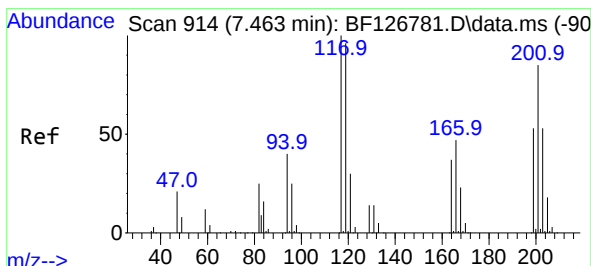
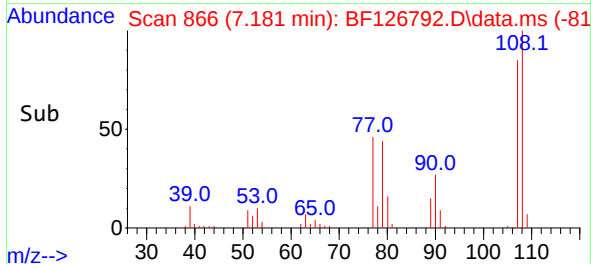
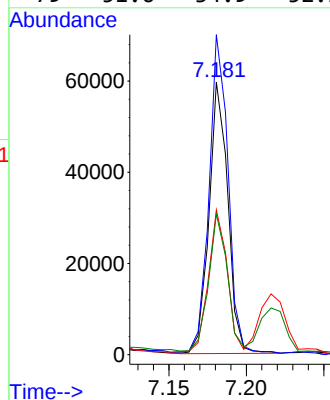
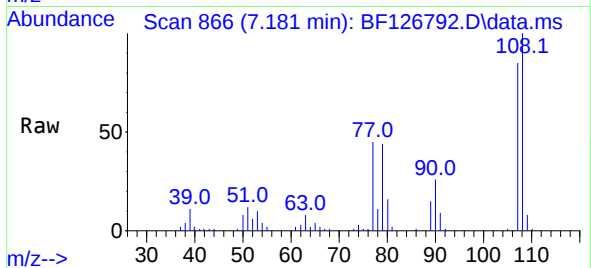




#17
2-Methylphenol
Concen: 5.166 ng
RT: 7.181 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

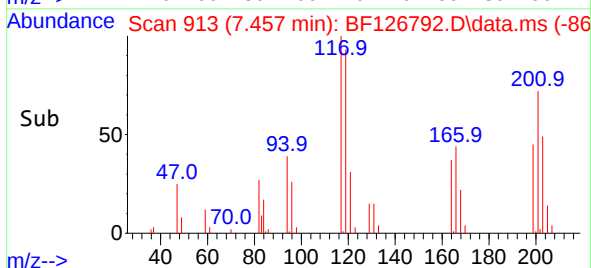
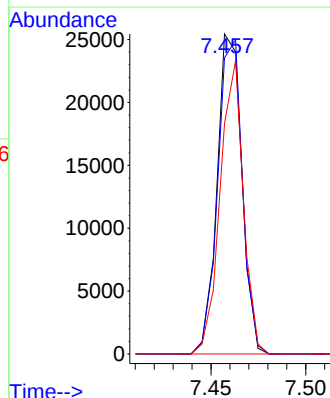
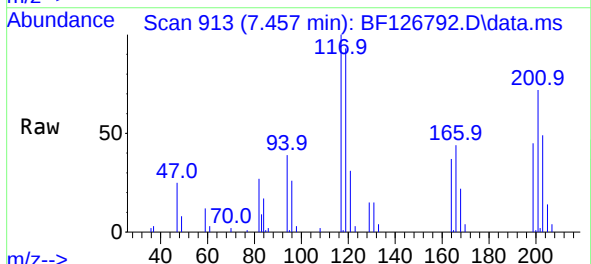
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

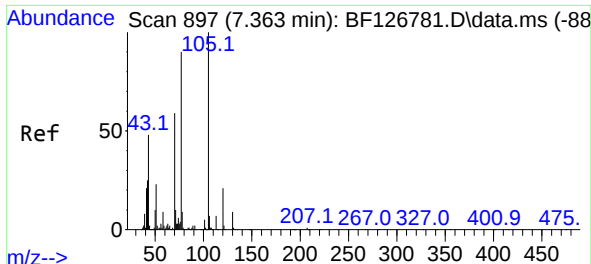
Tgt Ion:107	Resp:	50411
Ion	Ratio	Lower Upper
107	100	
108	117.4	93.4 140.0
77	53.1	36.1 54.1
79	51.6	34.9 52.3



#18
Hexachloroethane
Concen: 5.228 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:117	Resp:	23127
Ion	Ratio	Lower Upper
117	100	
119	92.5	75.4 113.0
201	72.0	56.8 85.2





#19

n-Nitroso-di-n-propylamine

Concen: 5.497 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF126792.D

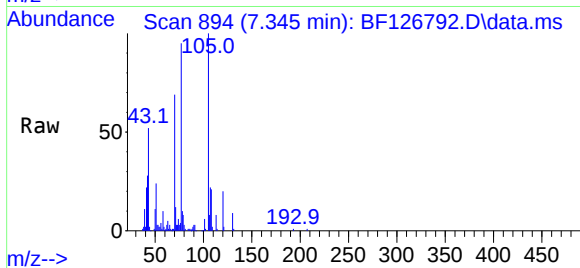
Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion: 70 Resp: 54334

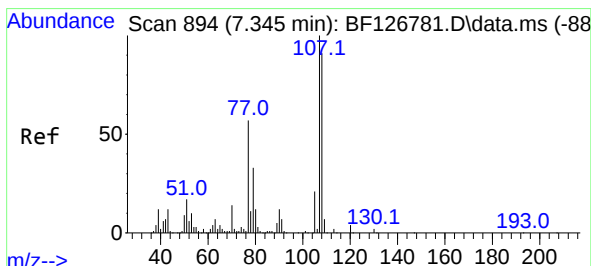
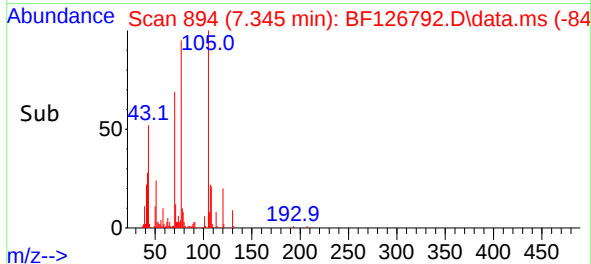
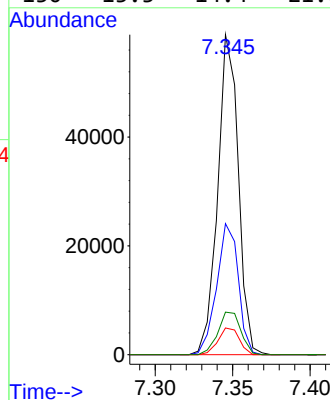
Ion Ratio Lower Upper

70 100

42 41.0 45.8 68.8#

101 8.4 6.9 10.3

130 13.3 14.4 21.6#



#20

3+4-Methylphenols

Concen: 5.432 ng

RT: 7.334 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

Tgt Ion: 107 Resp: 66758

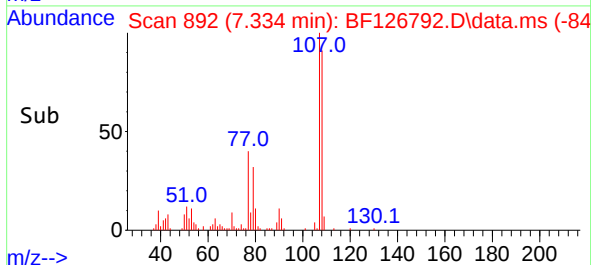
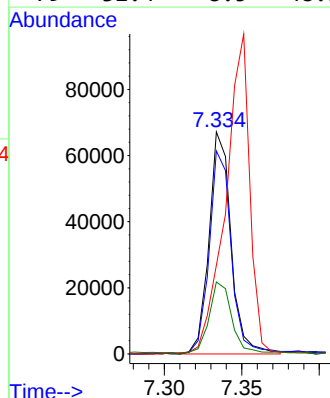
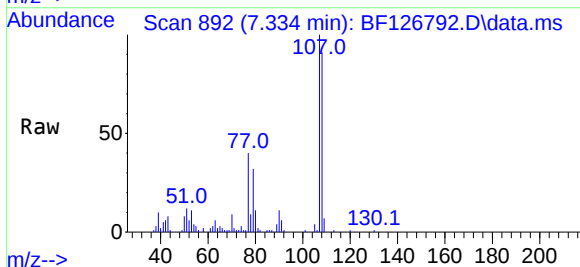
Ion Ratio Lower Upper

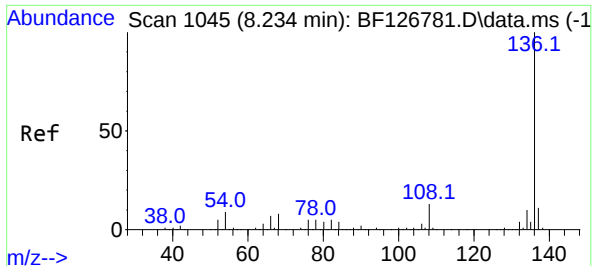
107 100

108 91.4 72.4 112.4

77 39.9 83.8 123.8#

79 32.4 8.5 48.5

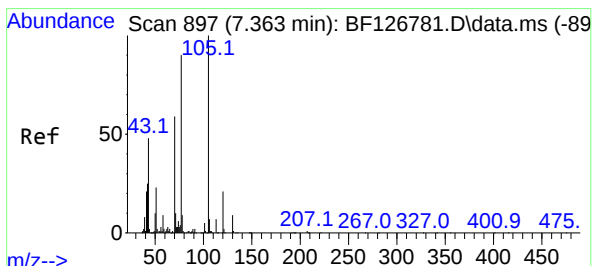
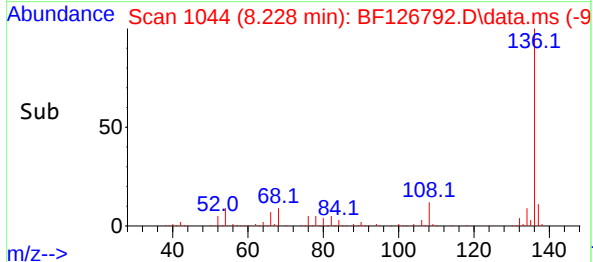
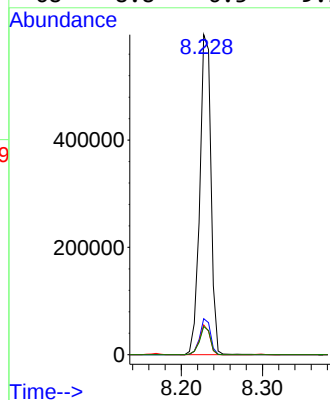
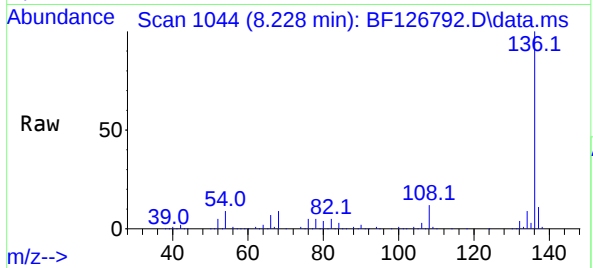




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

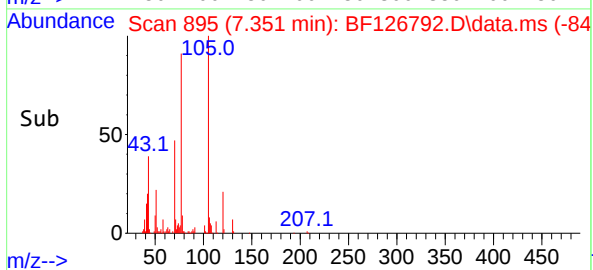
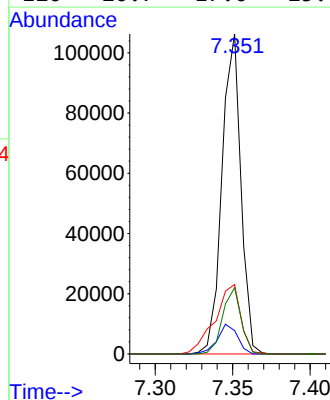
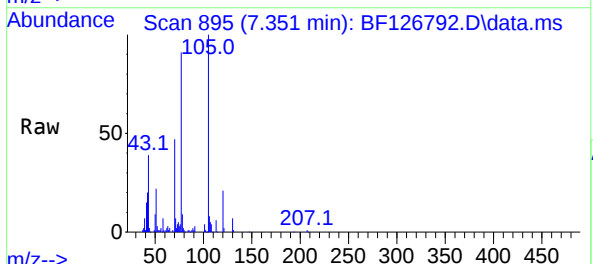
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

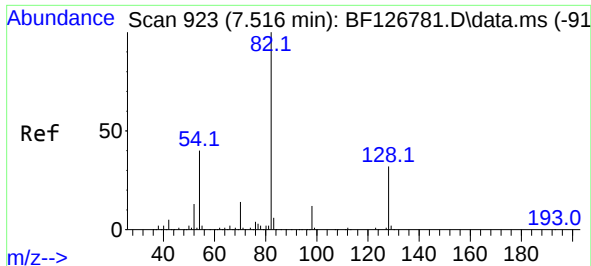
Tgt Ion:136	Resp: 571178
Ion Ratio	Lower Upper
136 100	
137 11.2	8.6 13.0
54 9.3	7.8 11.6
68 8.8	6.3 9.5



#22
Acetophenone
Concen: 5.453 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion	Ion:105	Resp: 90128	
	Ratio	Lower	Upper
105	100		
71	7.3	5.4	8.0
51	21.7	27.4	41.0#
120	20.7	17.0	25.6





#23

Nitrobenzene-d5

Concen: 78.176 ng

RT: 7.510 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

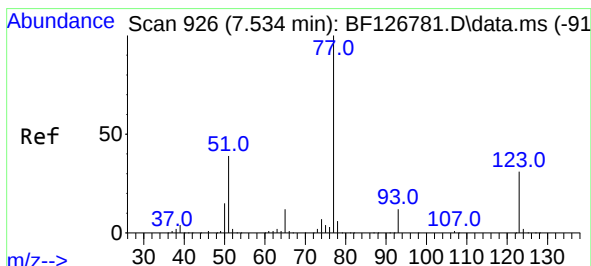
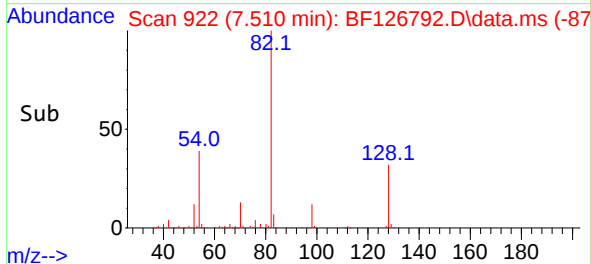
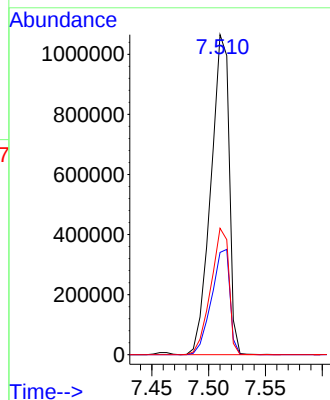
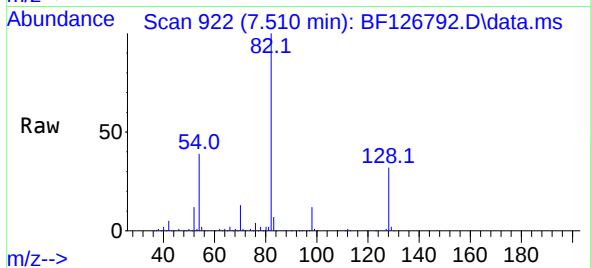
Tgt Ion: 82 Resp: 1193113

Ion Ratio Lower Upper

82 100

128 32.0 32.7 49.1#

54 39.5 41.7 62.5#



#24

Nitrobenzene

Concen: 5.725 ng

RT: 7.528 min Scan# 925

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

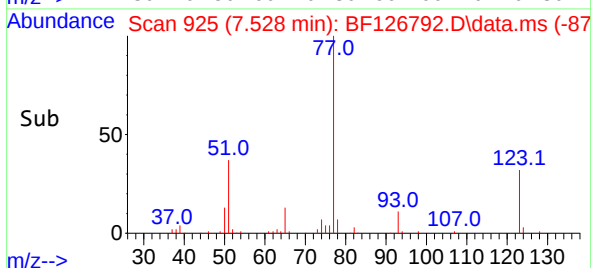
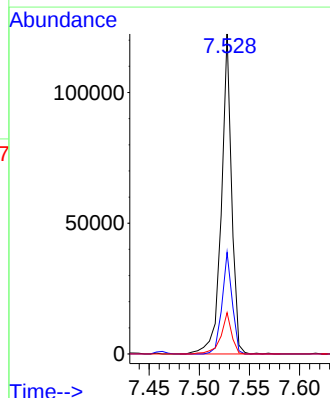
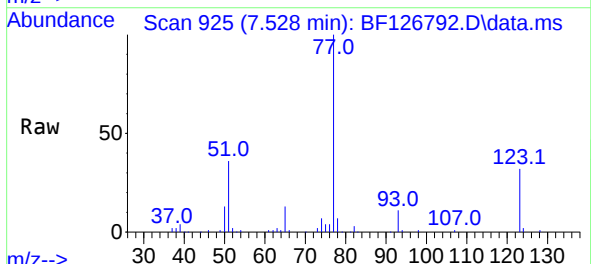
Tgt Ion: 77 Resp: 86731

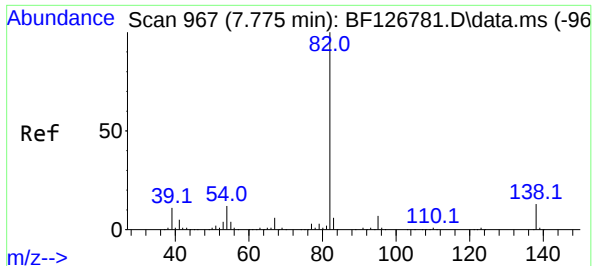
Ion Ratio Lower Upper

77 100

123 31.8 34.6 52.0#

65 12.9 10.6 15.8

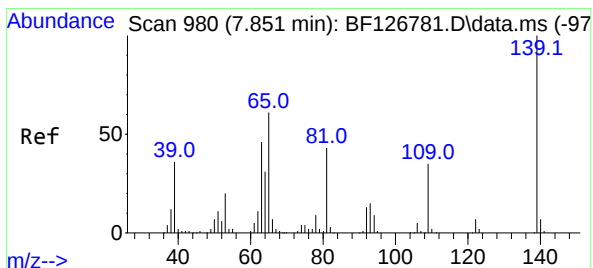
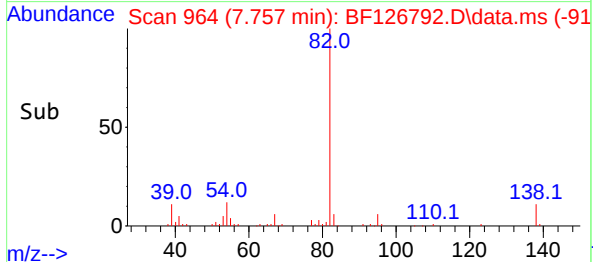
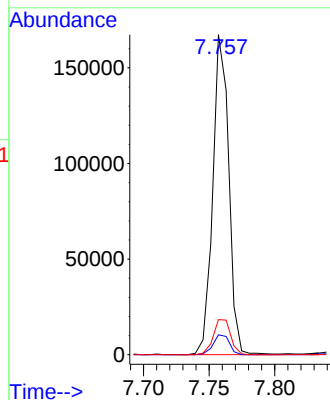
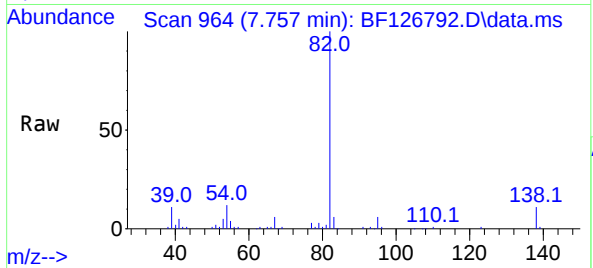




#25
Isophorone
Concen: 5.417 ng
RT: 7.757 min Scan# 90
Delta R.T. -0.018 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

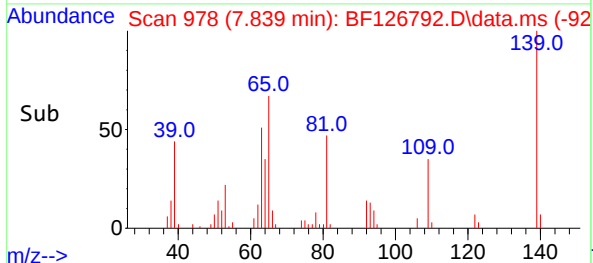
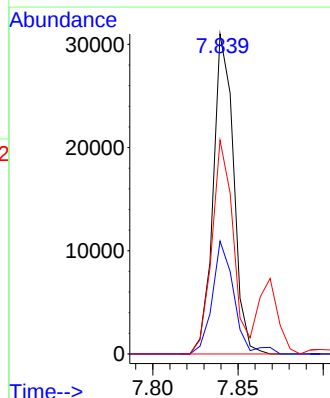
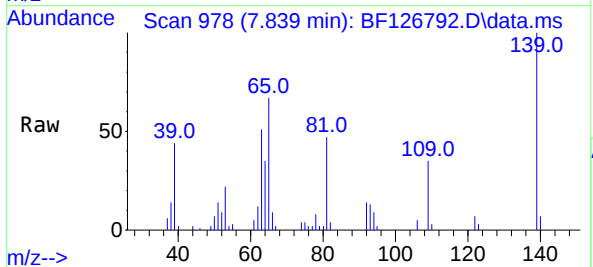
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

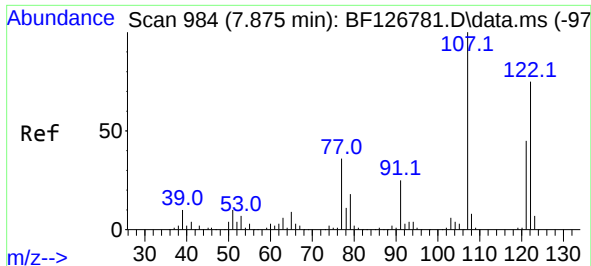
Tgt Ion: 82 Resp: 141889
Ion Ratio Lower Upper
82 100
95 6.2 5.0 7.4
138 11.0 12.3 18.5#



#26
2-Nitrophenol
Concen: 5.109 ng
RT: 7.839 min Scan# 978
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:139 Resp: 25797
Ion Ratio Lower Upper
139 100
109 35.3 20.0 30.0#
65 66.8 40.8 61.2#





#27

2,4-Dimethylphenol

Concen: 6.030 ng

RT: 7.869 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

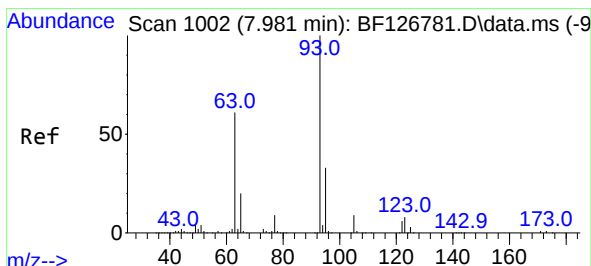
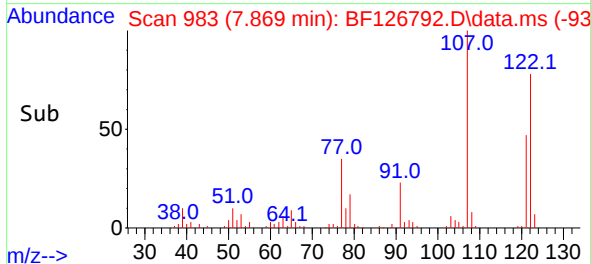
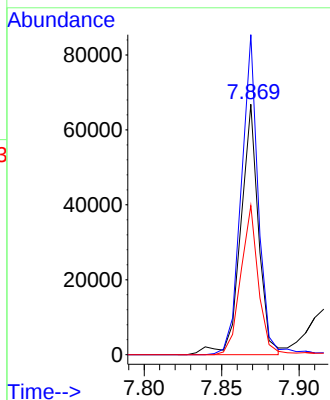
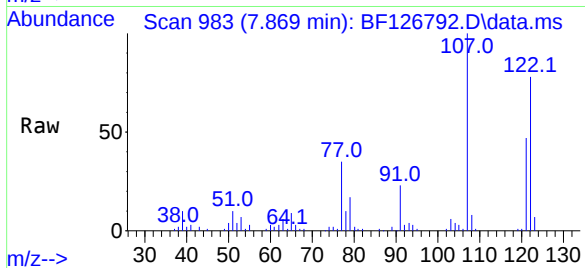
Tgt Ion:122 Resp: 53179

Ion Ratio Lower Upper

122 100

107 127.8 91.2 136.8

121 59.6 44.4 66.6



#28

bis(2-Chloroethoxy)methane

Concen: 5.352 ng

RT: 7.969 min Scan# 1000

Delta R.T. -0.012 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

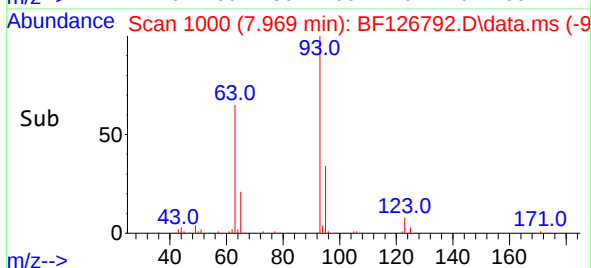
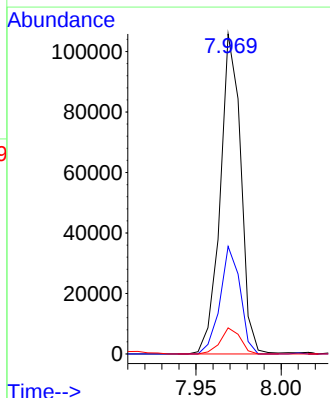
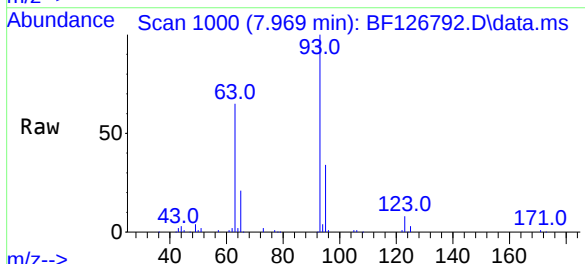
Tgt Ion: 93 Resp: 88909

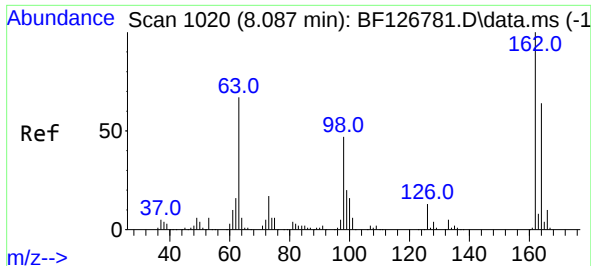
Ion Ratio Lower Upper

93 100

95 33.6 25.4 38.2

123 8.1 8.9 13.3#





#29

2,4-Dichlorophenol

Concen: 4.986 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

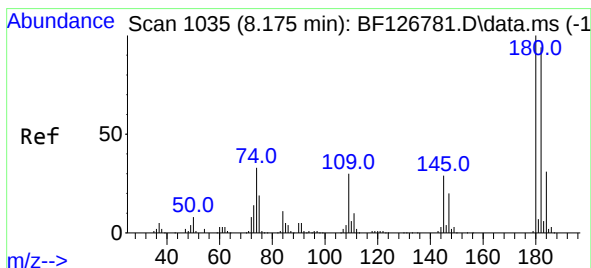
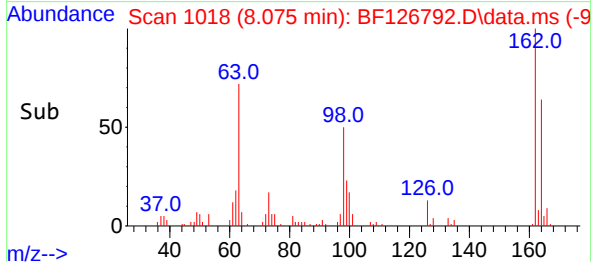
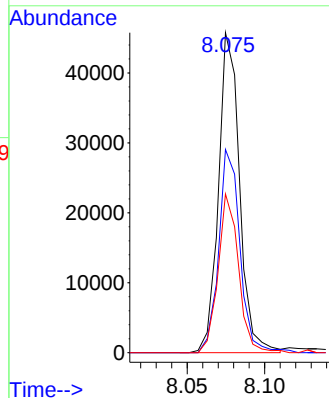
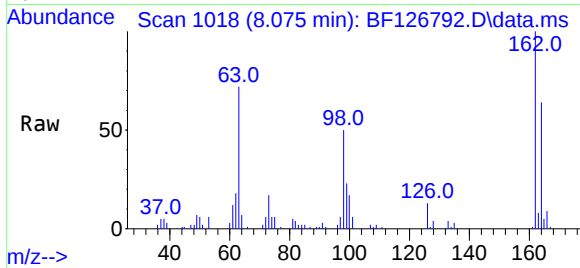
Tgt Ion:162 Resp: 43287

Ion Ratio Lower Upper

162 100

164 63.5 43.8 83.8

98 49.6 23.6 63.6



#30

1,2,4-Trichlorobenzene

Concen: 5.429 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

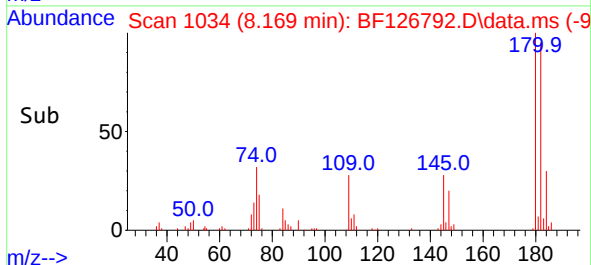
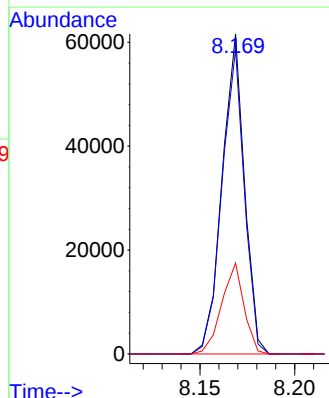
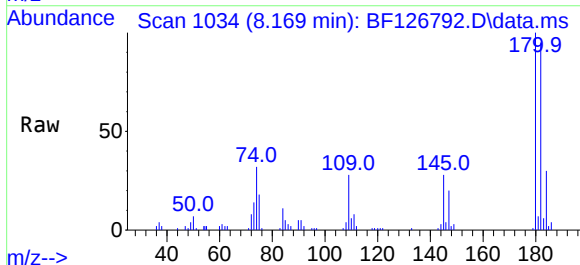
Tgt Ion:180 Resp: 50686

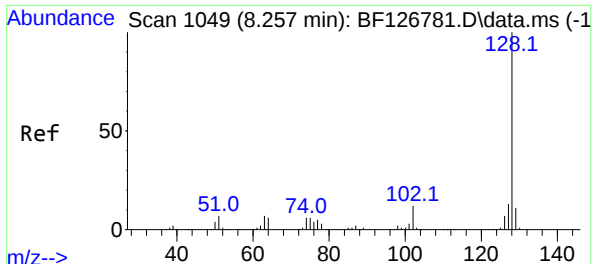
Ion Ratio Lower Upper

180 100

182 95.2 75.5 113.3

145 28.4 26.2 39.2

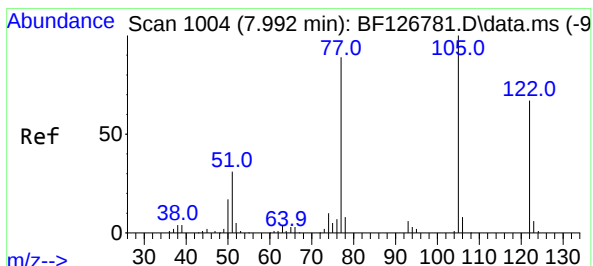
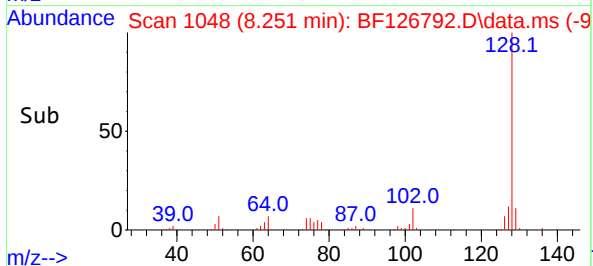
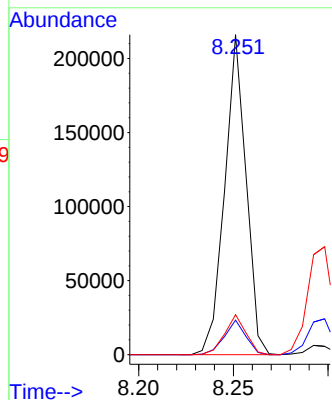
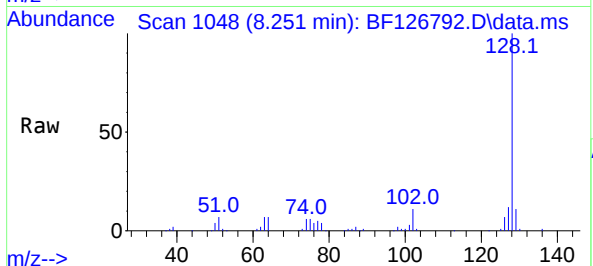




#31
Naphthalene
Concen: 5.689 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

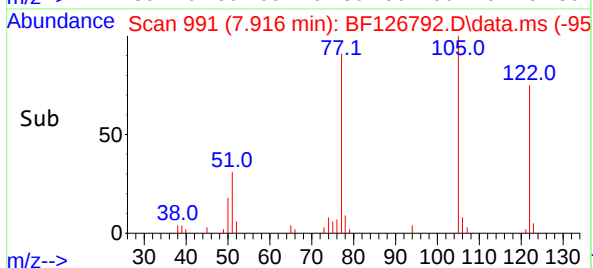
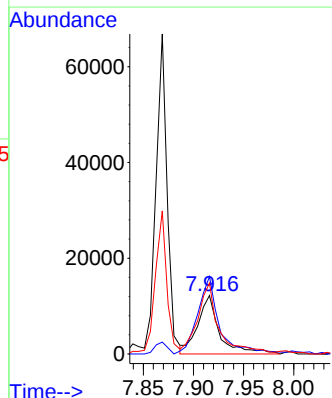
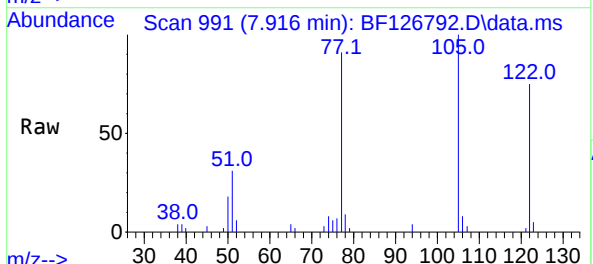
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

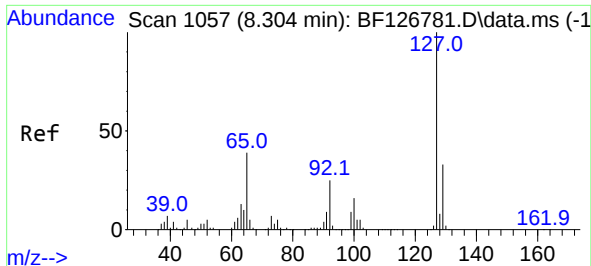
Tgt Ion:128 Resp: 169829
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.5 10.3 15.5



#32
Benzoic acid
Concen: 2.725 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.077 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:122 Resp: 18545
Ion Ratio Lower Upper
122 100
105 132.7 101.0 141.0
77 121.4 74.5 114.5#

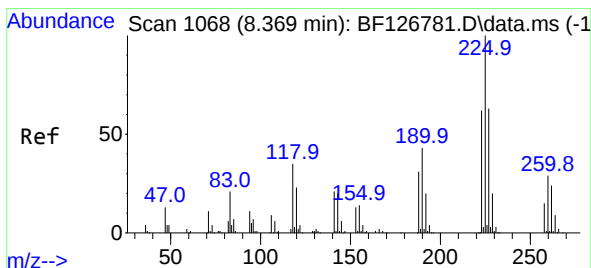
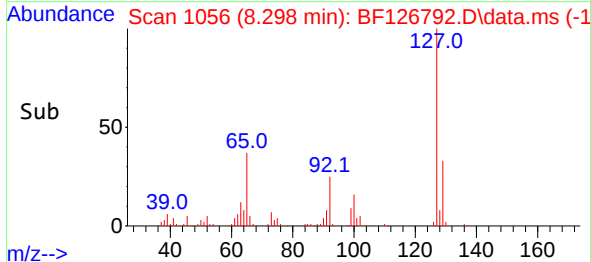
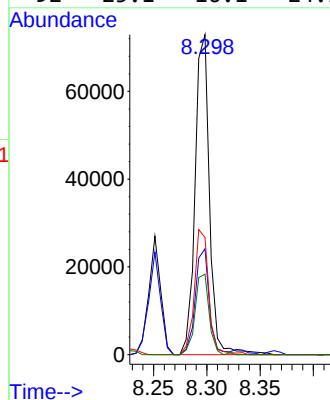
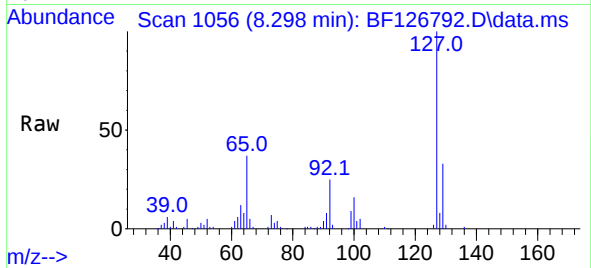




#33
4-Chloroaniline
Concen: 5.713 ng
RT: 8.298 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

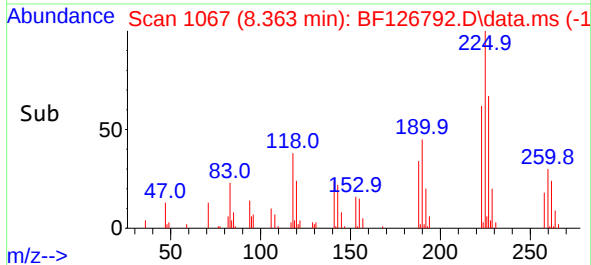
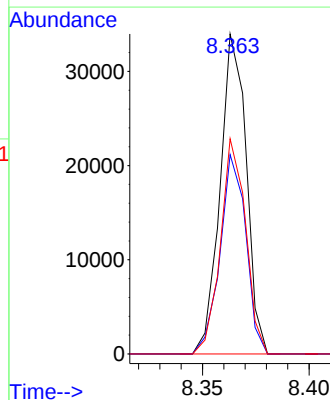
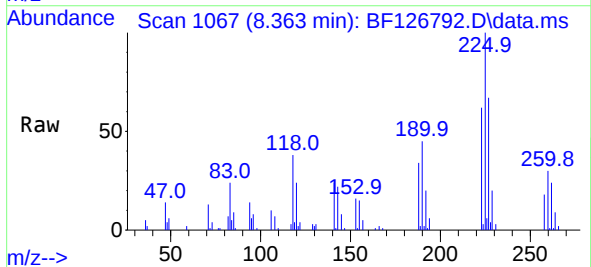
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

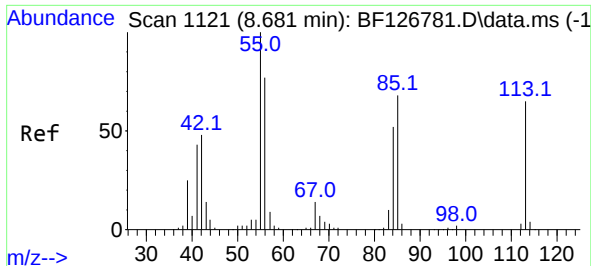
Tgt Ion:127	Resp:	68912
Ion Ratio	Lower	Upper
127	100	
129	33.1	26.5 39.7
65	36.6	26.6 39.8
92	25.1	16.1 24.1#



#34
Hexachlorobutadiene
Concen: 4.952 ng
RT: 8.363 min Scan# 1067
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:225	Resp:	28976
Ion Ratio	Lower	Upper
225	100	
223	62.3	48.6 73.0
227	67.2	51.4 77.0

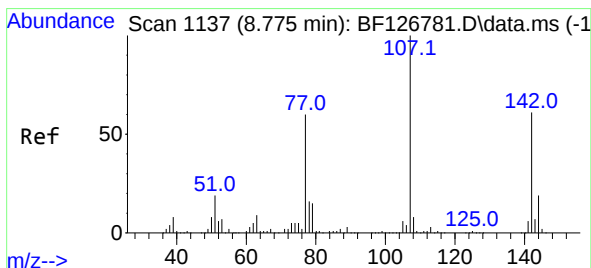
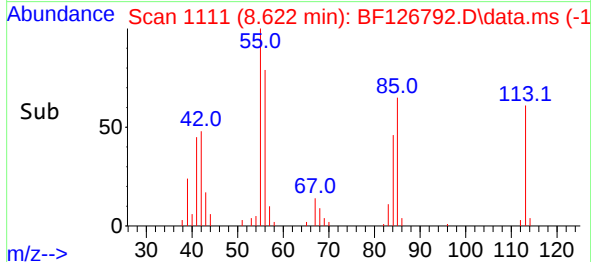
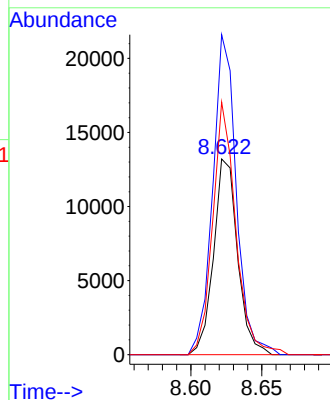
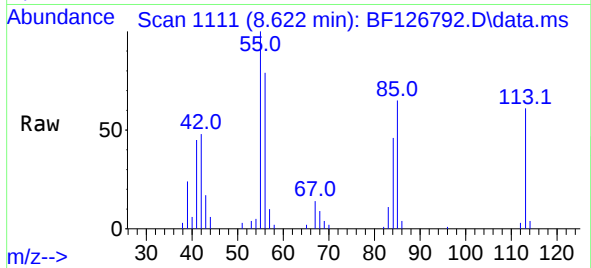




#35
Caprolactam
Concen: 4.912 ng
RT: 8.622 min Scan# 1111
Delta R.T. -0.059 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

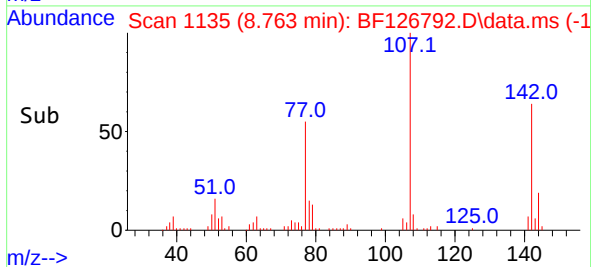
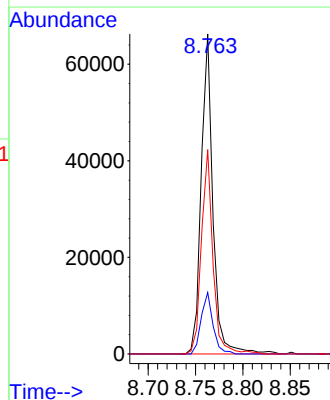
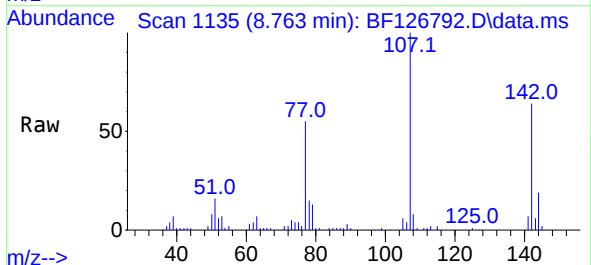
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

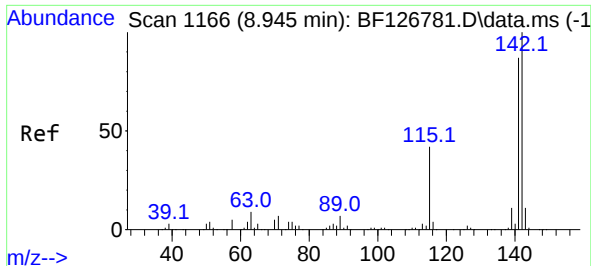
Tgt Ion:113 Resp: 15516
Ion Ratio Lower Upper
113 100
55 163.5 183.9 223.9#
56 129.1 129.9 169.9#



#36
4-Chloro-3-methylphenol
Concen: 5.158 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:107 Resp: 57079
Ion Ratio Lower Upper
107 100
144 19.2 18.5 27.7
142 63.8 58.1 87.1





#37

2-Methylnaphthalene

Concen: 6.007 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

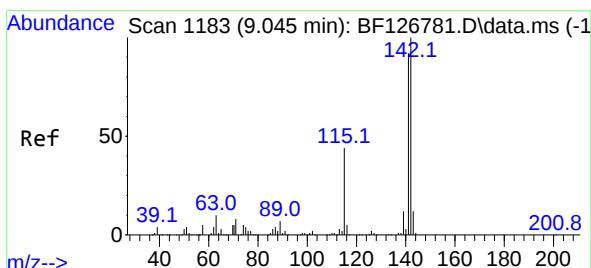
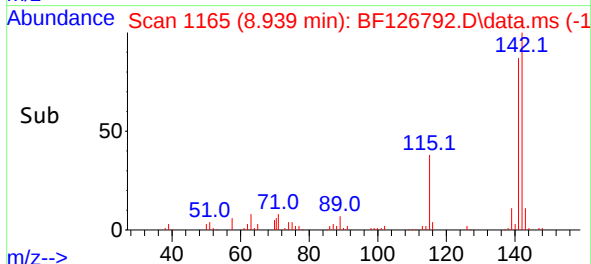
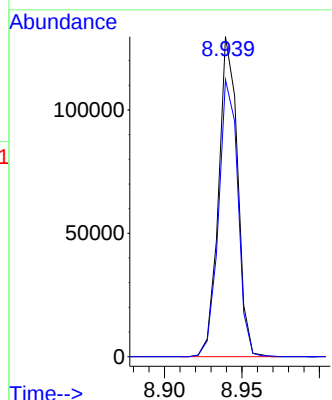
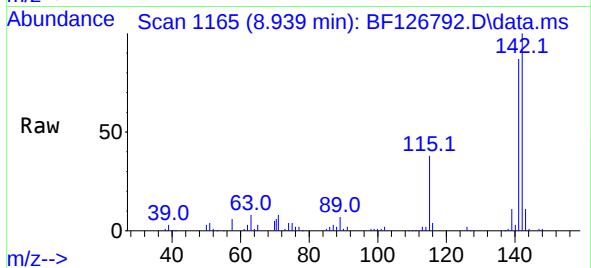
LOQ-SOIL-02-QT4-2021

Tgt Ion:142 Resp: 110513

Ion Ratio Lower Upper

142 100

141 86.6 68.6 102.8



#38

1-Methylnaphthalene

Concen: 5.711 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF126792.D

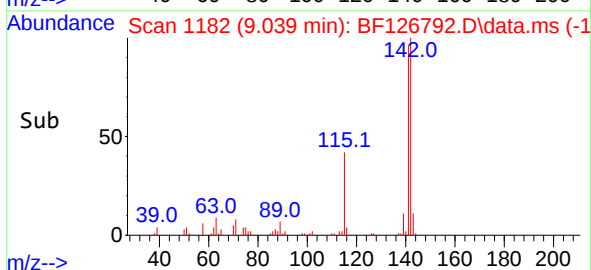
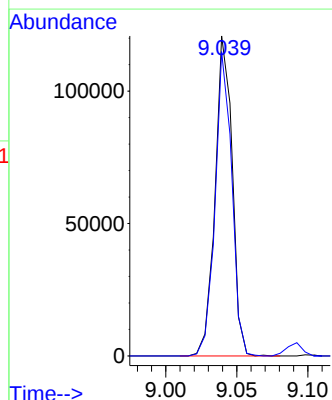
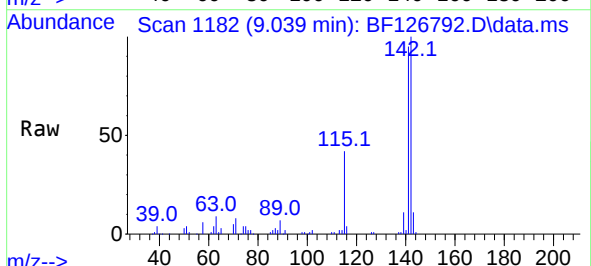
Acq: 03 Feb 2022 11:44

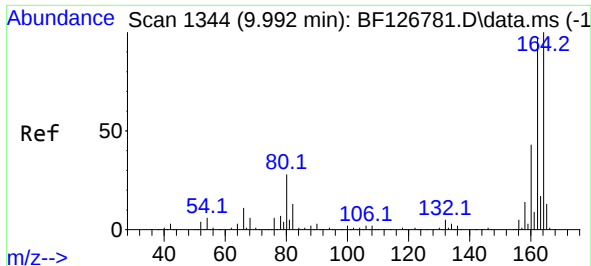
Tgt Ion:142 Resp: 101130

Ion Ratio Lower Upper

142 100

141 95.1 72.1 108.1

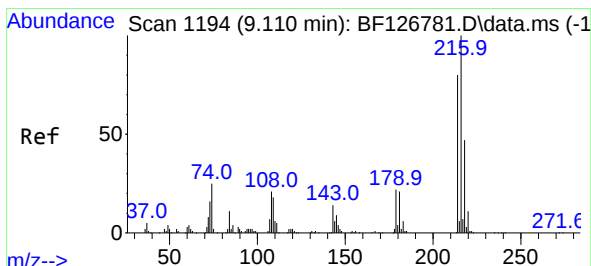
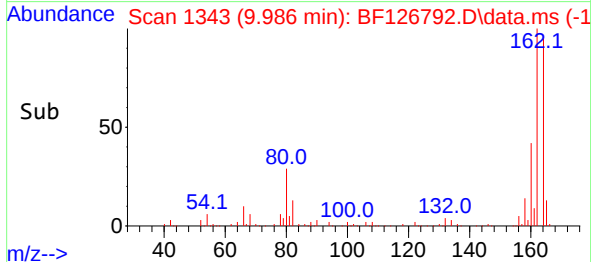
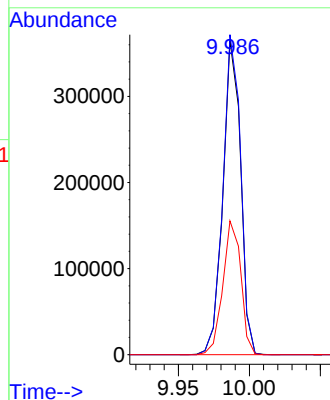
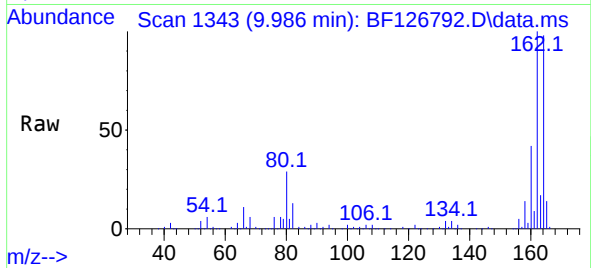




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

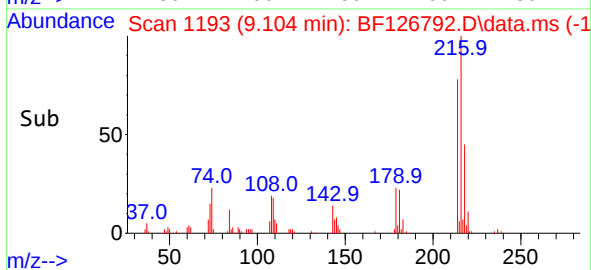
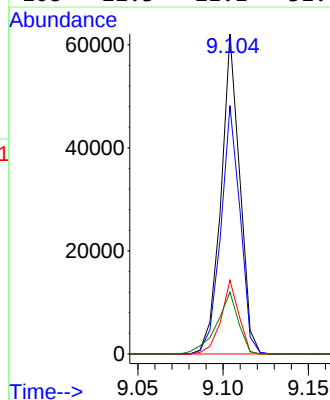
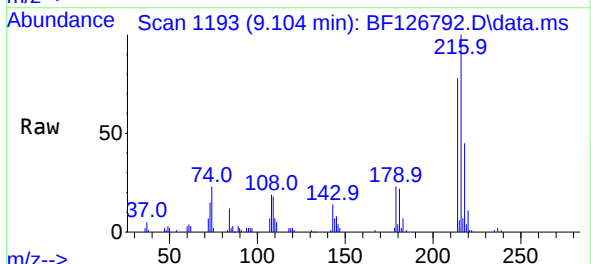
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

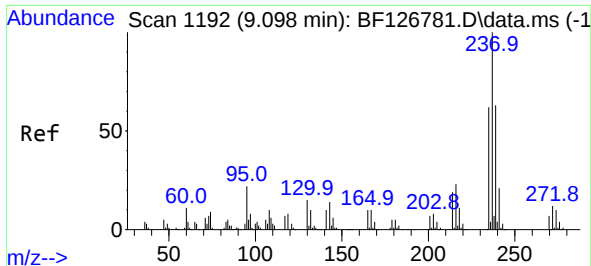
Tgt Ion:164 Resp: 314630
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.0
160 42.6 36.6 54.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.253 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:216 Resp: 47585
Ion Ratio Lower Upper
216 100
214 79.4 64.6 96.8
179 21.8 19.5 29.3
108 22.3 21.1 31.7

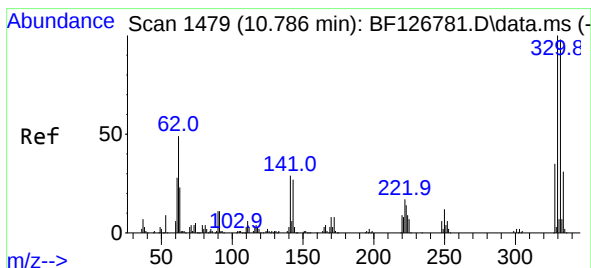
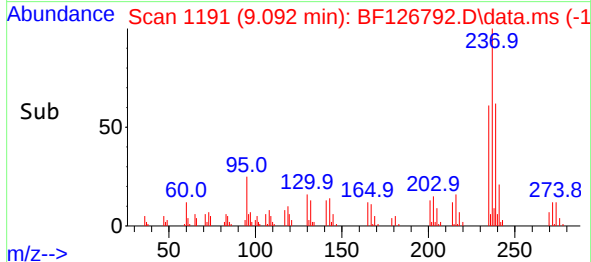
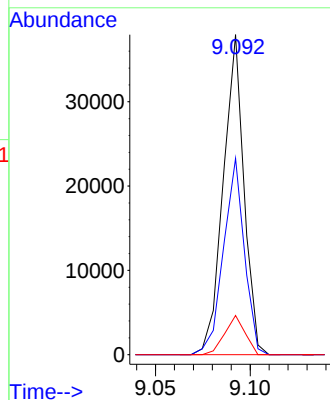
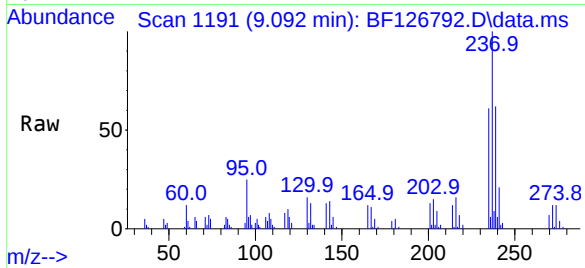




#41
Hexachlorocyclopentadiene
Concen: 5.535 ng
RT: 9.092 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

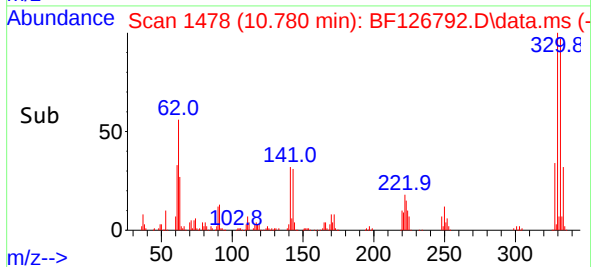
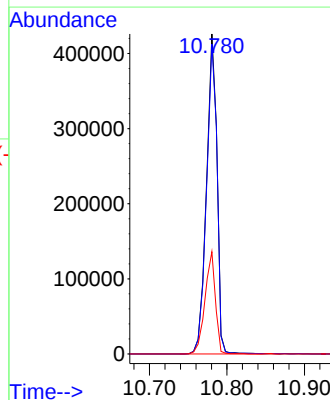
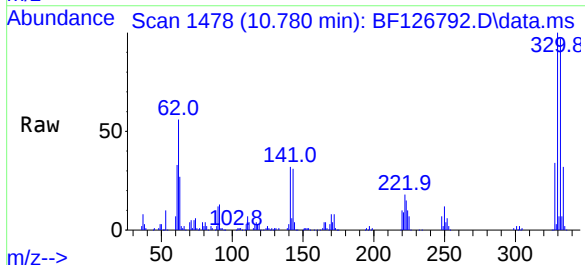
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

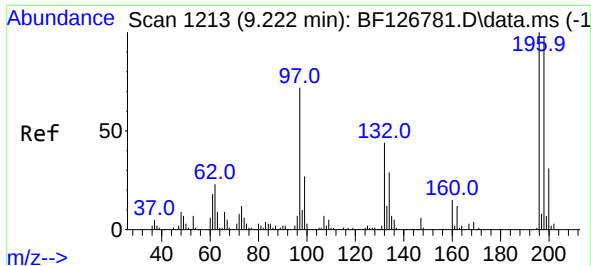
Tgt Ion:	237	Resp:	28903
Ion	Ratio	Lower	Upper
237	100		
235	61.4	38.9	78.9
272	12.3	0.0	33.5



#42
2,4,6-Tribromophenol
Concen: 122.826 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:	330	Resp:	401069
Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.0	114.0
141	31.8	30.1	45.1

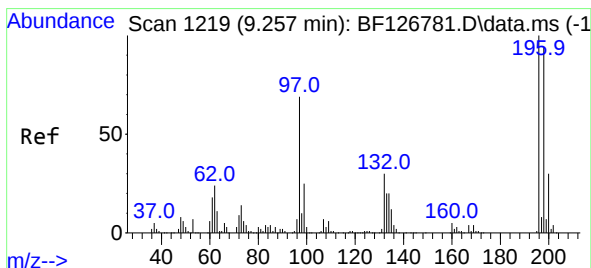
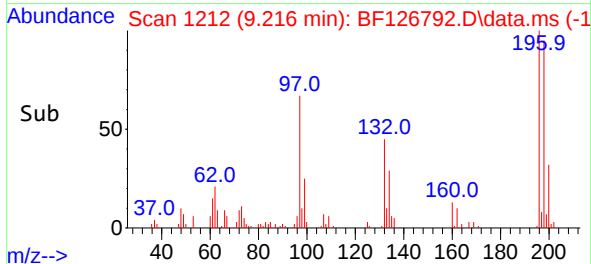
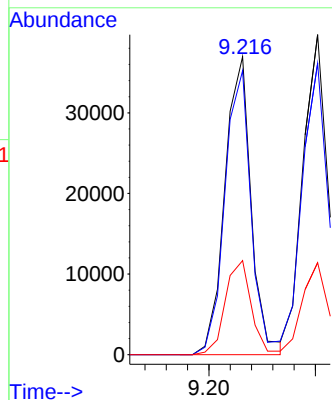
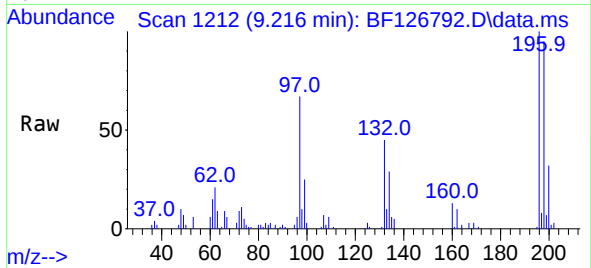




#43
2,4,6-Trichlorophenol
Concen: 4.975 ng
RT: 9.216 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

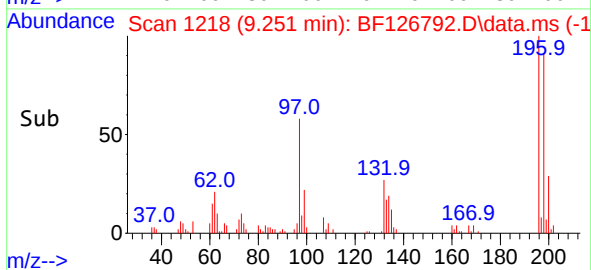
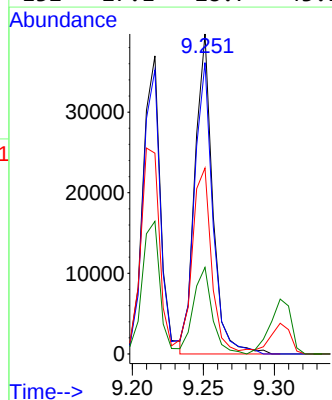
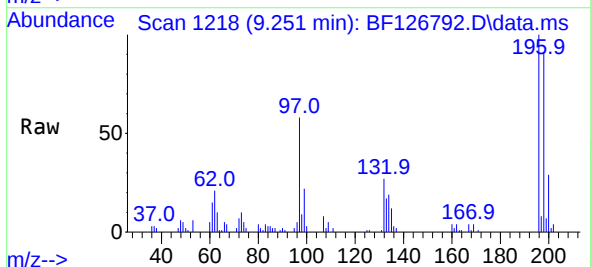
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

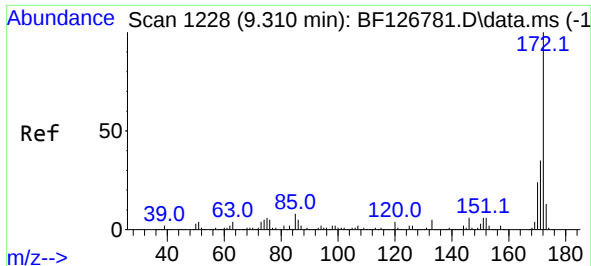
Tgt Ion:196 Resp: 31747
Ion Ratio Lower Upper
196 100
198 95.3 78.5 117.7
200 31.6 24.9 37.3



#44
2,4,5-Trichlorophenol
Concen: 5.204 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:196 Resp: 34674
Ion Ratio Lower Upper
196 100
198 91.0 82.0 123.0
97 58.1 53.5 80.3
132 27.1 28.7 43.1#





#45

2-Fluorobiphenyl

Concen: 79.846 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

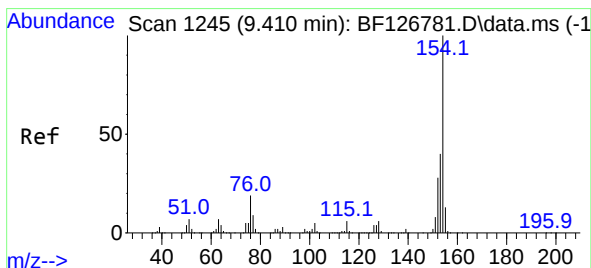
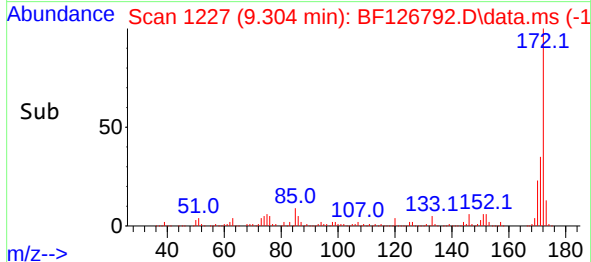
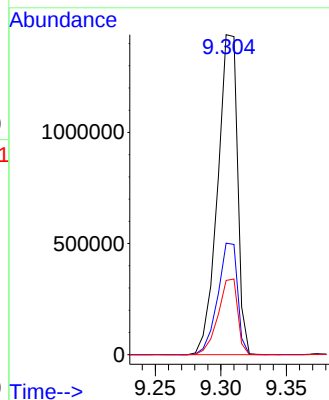
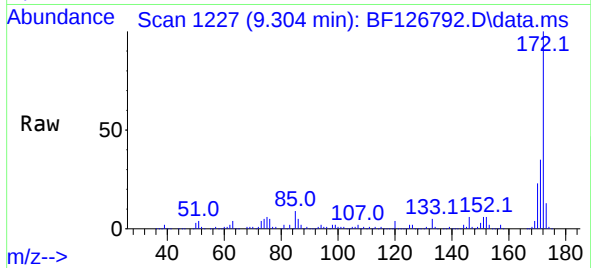
Tgt Ion:172 Resp: 1517186

Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.2 19.0 28.6



#46

1,1'-Biphenyl

Concen: 5.753 ng

RT: 9.404 min Scan# 1244

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

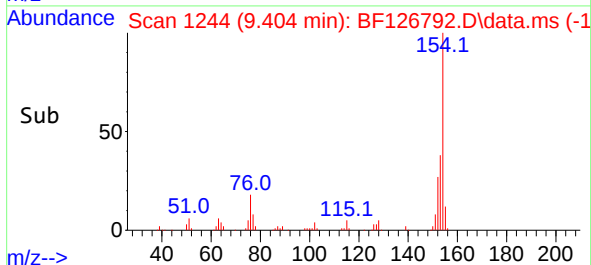
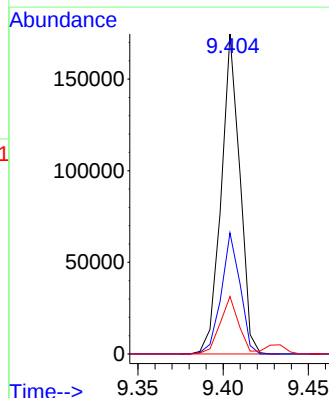
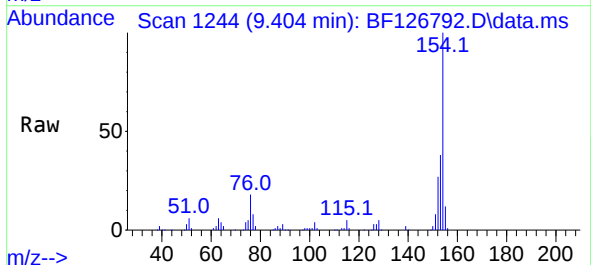
Tgt Ion:154 Resp: 132557

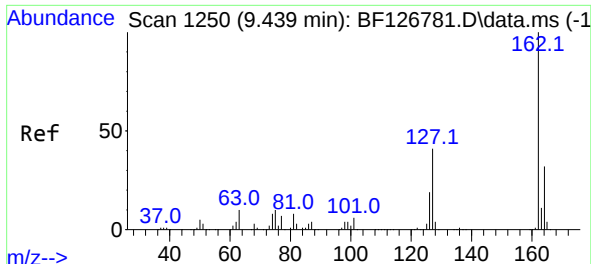
Ion Ratio Lower Upper

154 100

153 37.8 19.0 59.0

76 17.9 0.0 34.5





#47

2-Chloronaphthalene

Concen: 5.692 ng

RT: 9.433 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

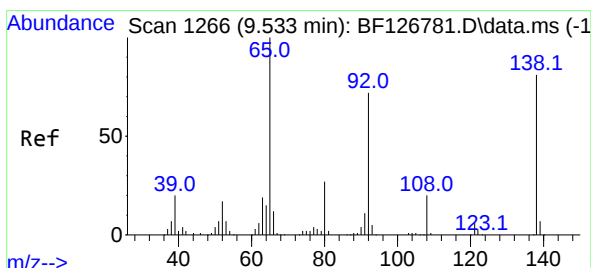
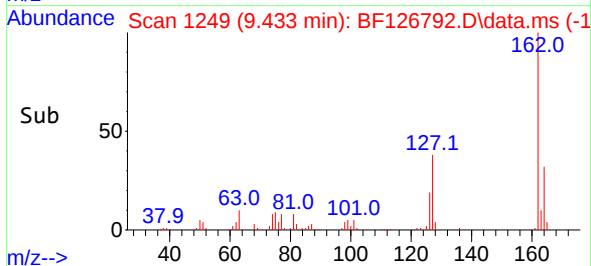
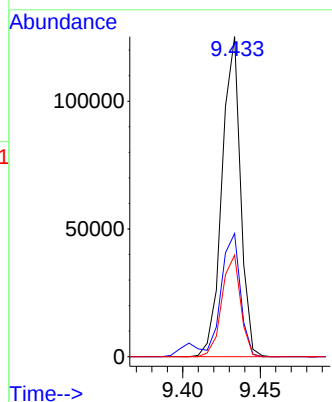
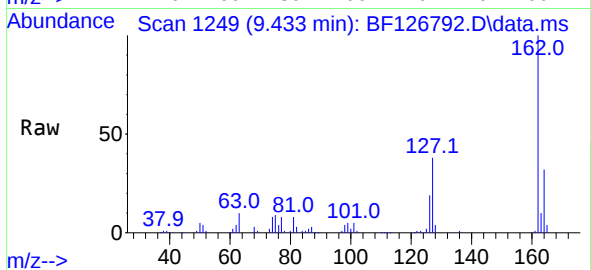
Tgt Ion:162 Resp: 103976

Ion Ratio Lower Upper

162 100

127 38.5 33.5 50.3

164 31.8 26.2 39.4



#48

2-Nitroaniline

Concen: 5.017 ng

RT: 9.522 min Scan# 1264

Delta R.T. -0.012 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

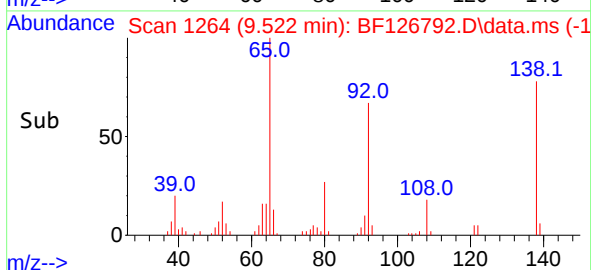
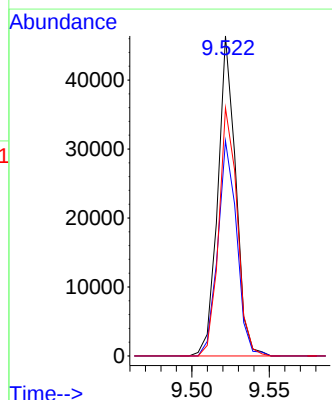
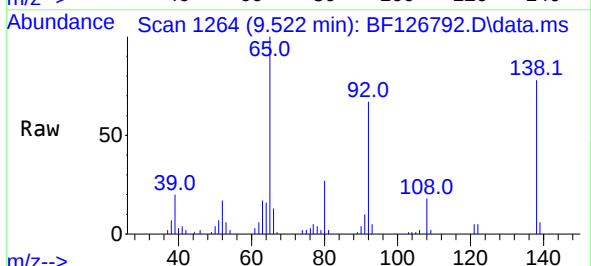
Tgt Ion: 65 Resp: 37367

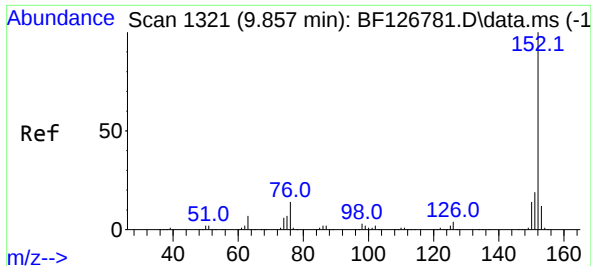
Ion Ratio Lower Upper

65 100

92 67.2 54.4 81.6

138 77.5 72.5 108.7

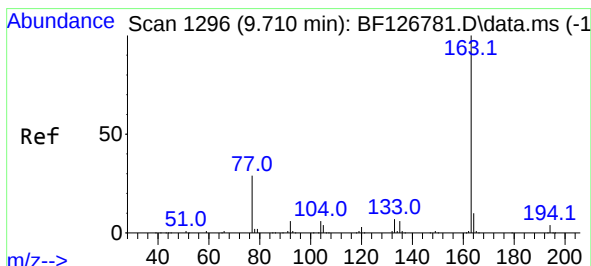
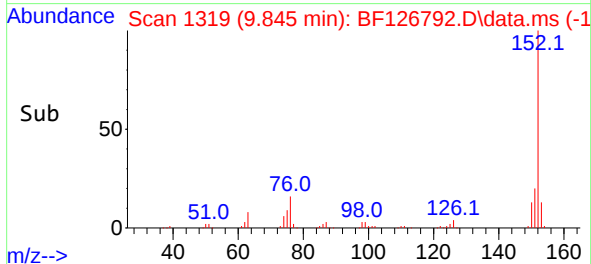
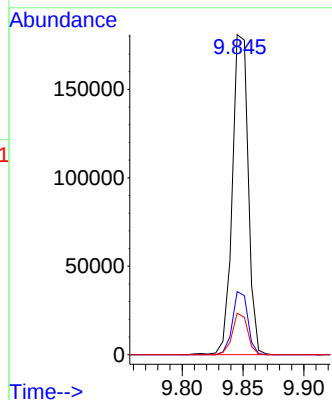
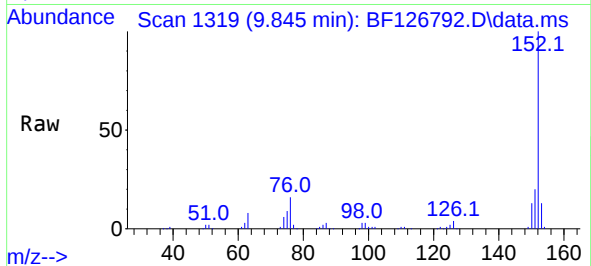




#49
Acenaphthylene
Concen: 5.815 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

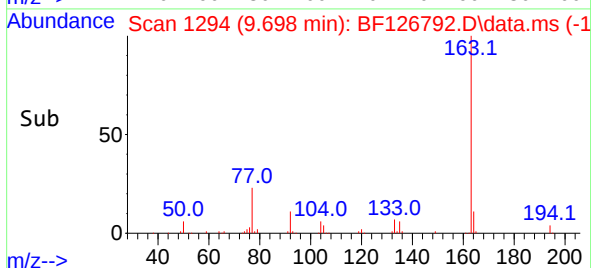
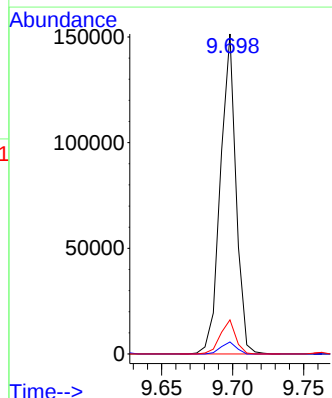
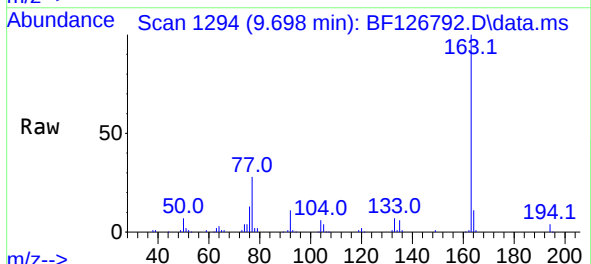
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

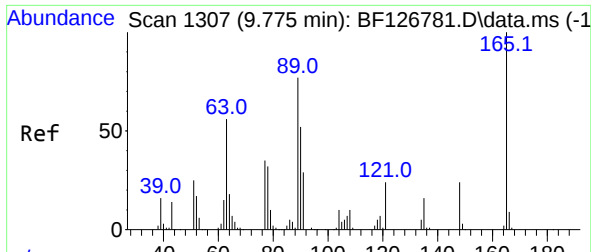
Tgt Ion:152 Resp: 164009
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.0 11.4 17.0



#50
Dimethylphthalate
Concen: 5.309 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:163 Resp: 115466
Ion Ratio Lower Upper
163 100
194 3.7 2.6 3.8
164 10.7 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 5.513 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.012 min

Lab File: BF126792.D

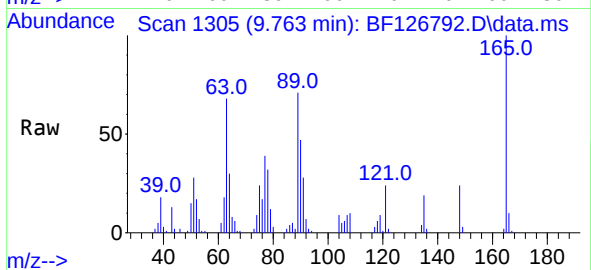
Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021



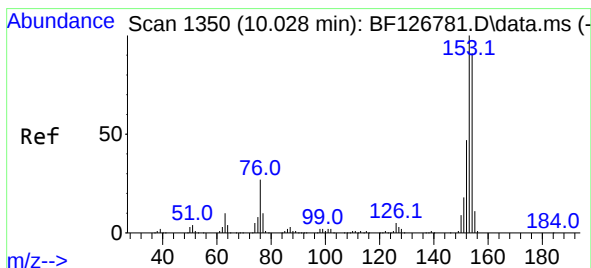
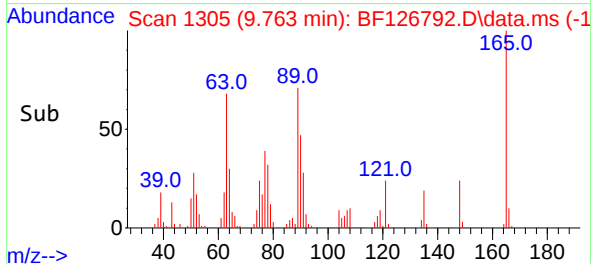
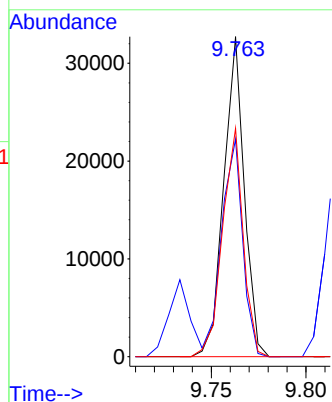
Tgt Ion:165 Resp: 24627

Ion Ratio Lower Upper

165 100

63 68.0 48.4 72.6

89 71.3 50.5 75.7



#52

Acenaphthene

Concen: 5.628 ng

RT: 10.022 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

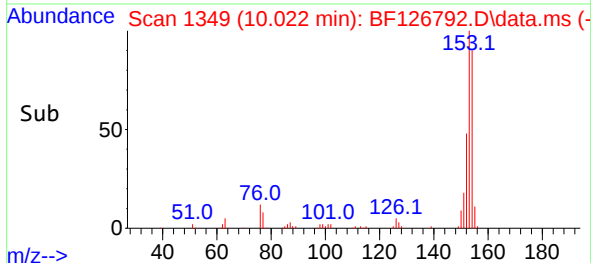
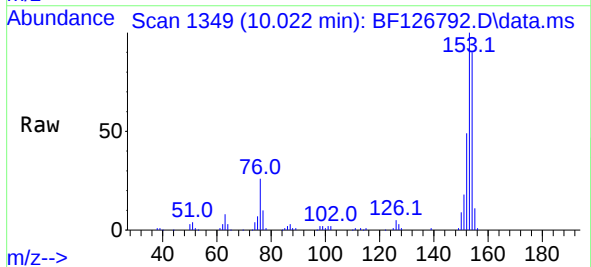
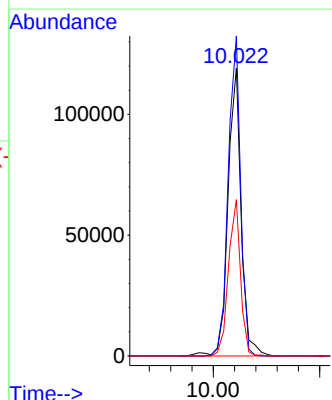
Tgt Ion:154 Resp: 101208

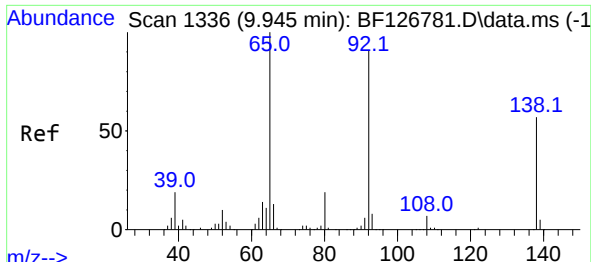
Ion Ratio Lower Upper

154 100

153 111.2 87.8 131.6

152 54.3 39.4 59.2

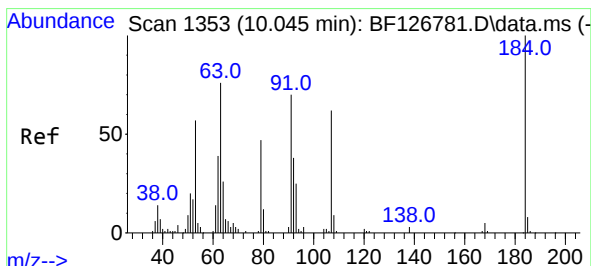
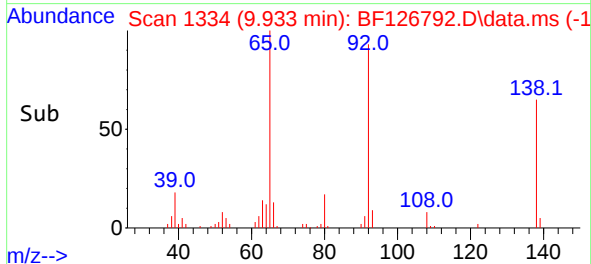
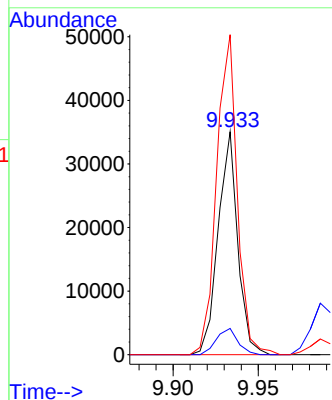
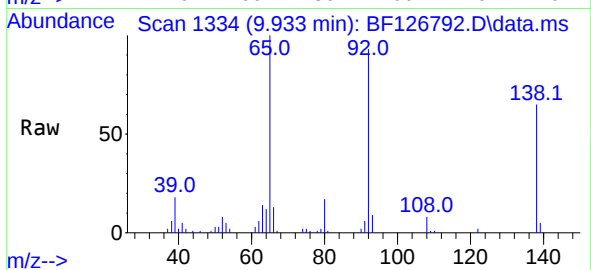




#53
3-Nitroaniline
Concen: 5.513 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

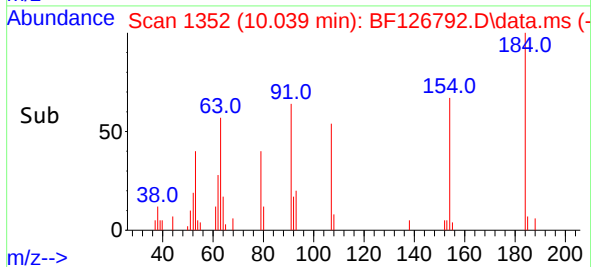
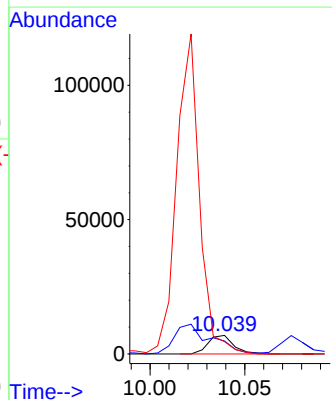
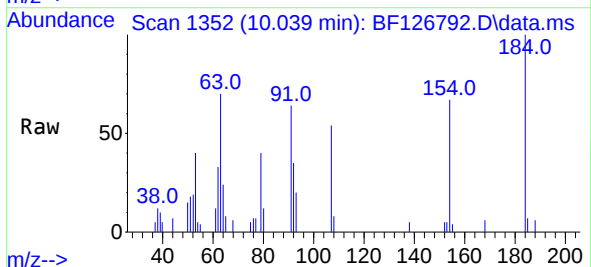
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

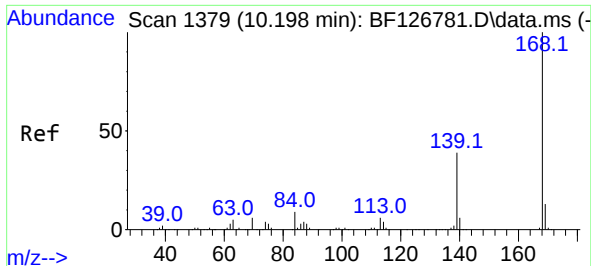
Tgt Ion:138 Resp: 28063
Ion Ratio Lower Upper
138 100
108 11.8 8.6 13.0
92 143.6 105.0 157.6



#54
2,4-Dinitrophenol
Concen: 2.750 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:184 Resp: 6472
Ion Ratio Lower Upper
184 100
63 69.5 70.4 105.6#
154 66.6 49.7 74.5

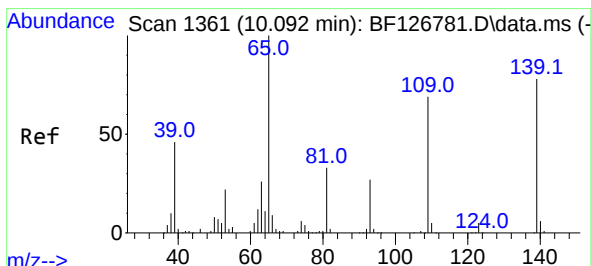
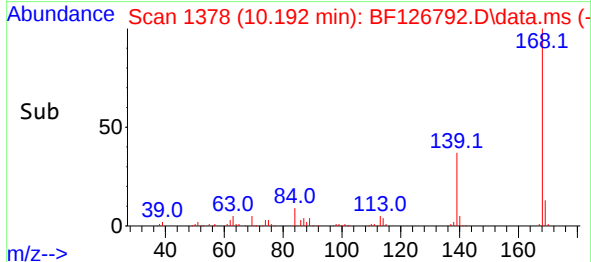
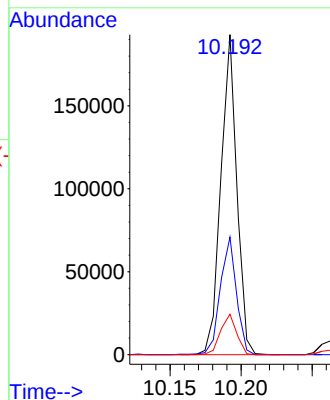
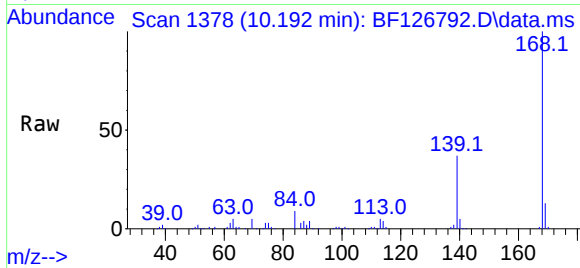




#55
Dibenzenofuran
Concen: 5.666 ng
RT: 10.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

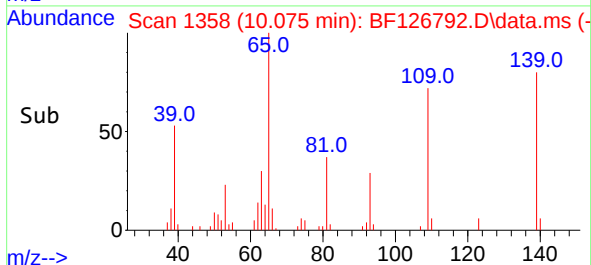
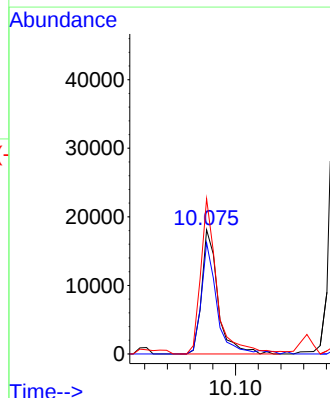
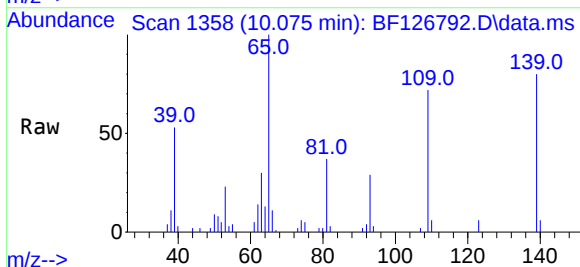
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

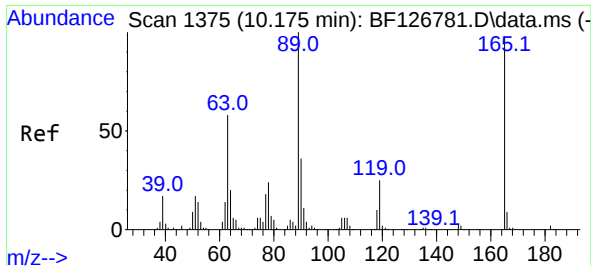
Tgt Ion:168 Resp: 150372
Ion Ratio Lower Upper
168 100
139 36.8 30.6 46.0
169 12.6 10.0 15.0



#56
4-Nitrophenol
Concen: 4.643 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.018 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:139 Resp: 17901
Ion Ratio Lower Upper
139 100
109 89.5 44.1 84.1#
65 125.0 85.5 125.5

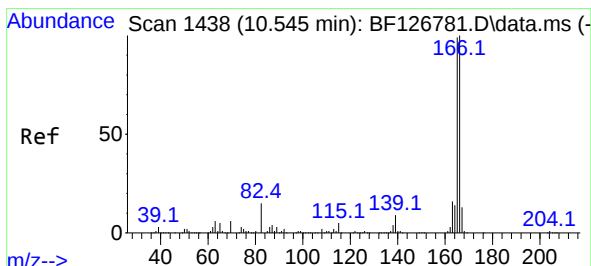
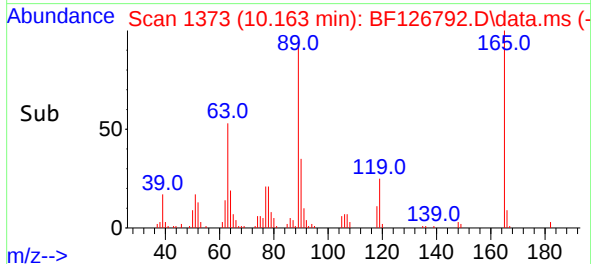
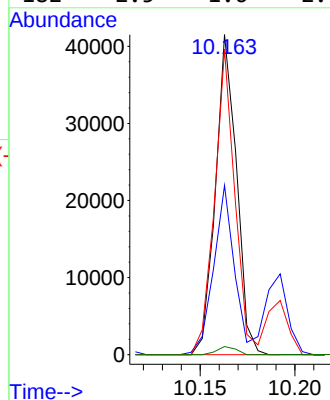
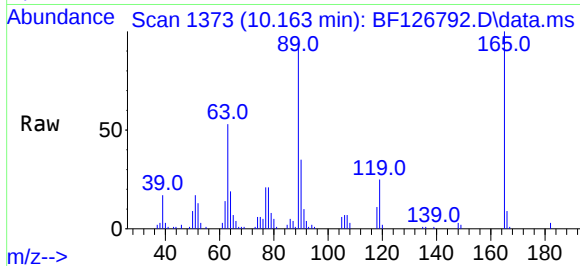




#57
2,4-Dinitrotoluene
Concen: 5.306 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

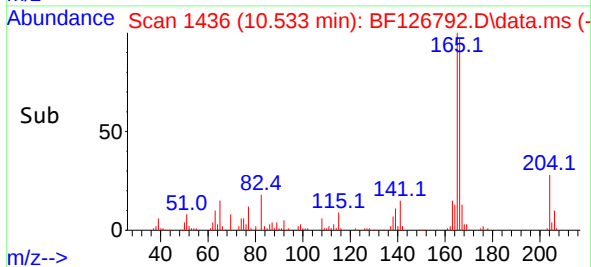
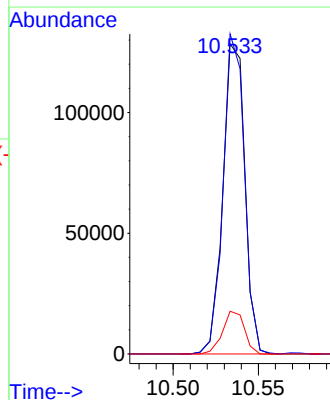
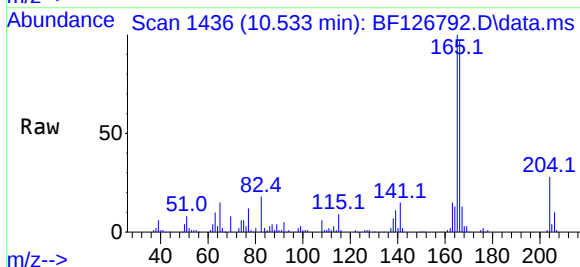
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

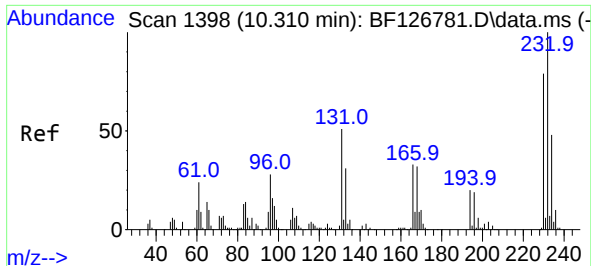
Tgt Ion:165 Resp: 32126
Ion Ratio Lower Upper
165 100
63 52.9 43.0 64.6
89 95.5 71.0 106.4
182 2.5 1.6 2.4#



#58
Fluorene
Concen: 5.895 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:166 Resp: 115771
Ion Ratio Lower Upper
166 100
165 103.2 77.7 116.5
167 13.8 10.7 16.1

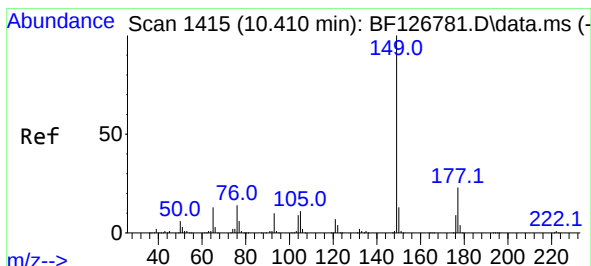
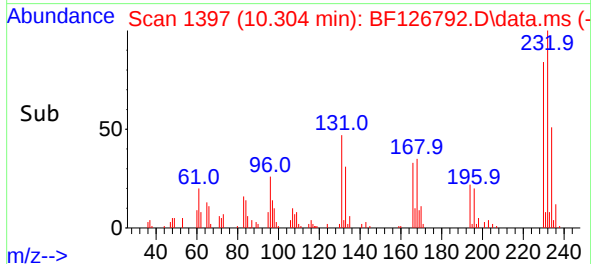
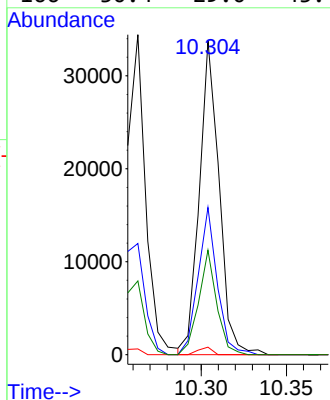
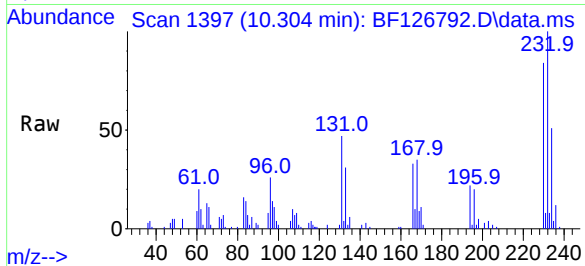




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.733 ng
RT: 10.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

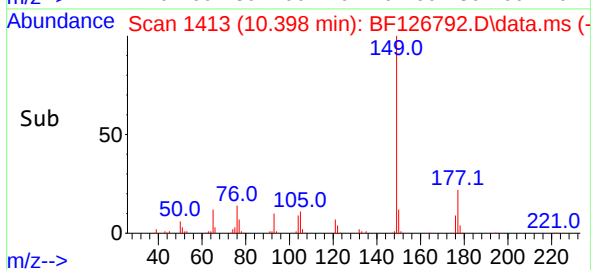
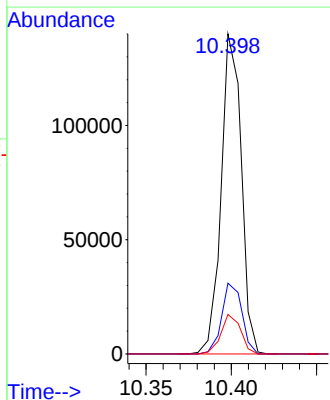
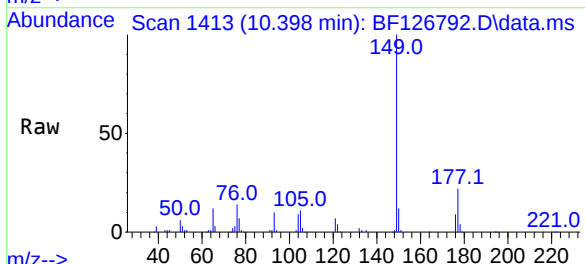
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

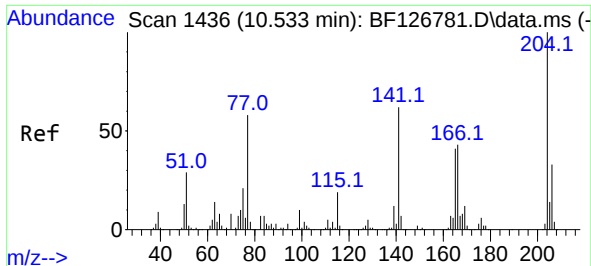
Tgt Ion:232 Resp: 27294
Ion Ratio Lower Upper
232 100
131 45.4 50.0 75.0#
130 1.7 2.2 3.2#
166 30.4 29.0 43.4



#60
Diethylphthalate
Concen: 5.373 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:149 Resp: 114806
Ion Ratio Lower Upper
149 100
177 22.1 16.7 25.1
150 12.3 9.8 14.8

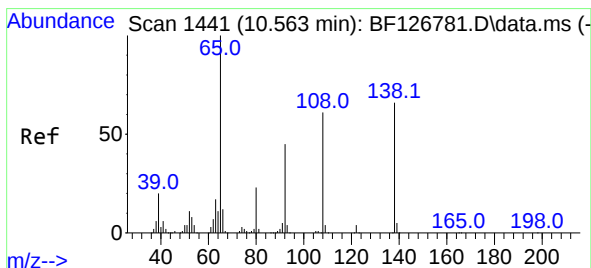
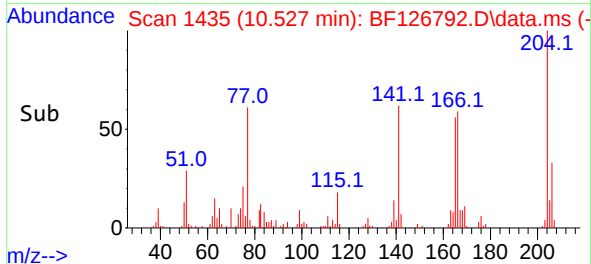
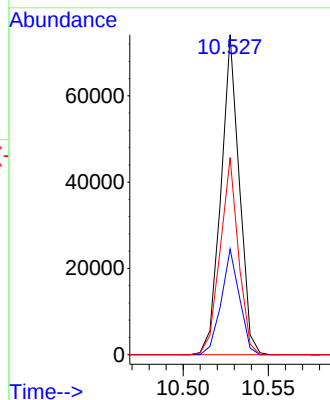
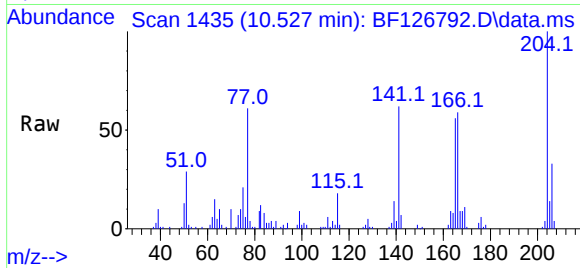




#61
4-Chlorophenyl-phenylether
Concen: 5.595 ng
RT: 10.527 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

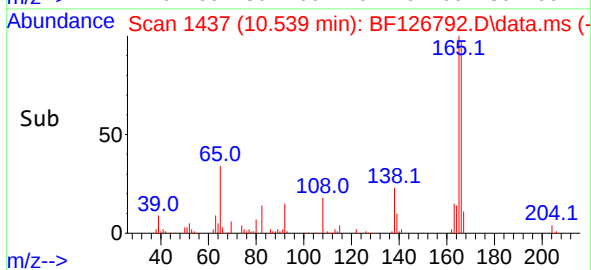
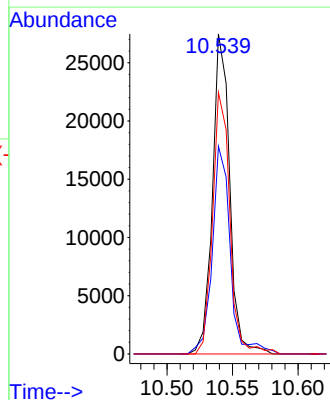
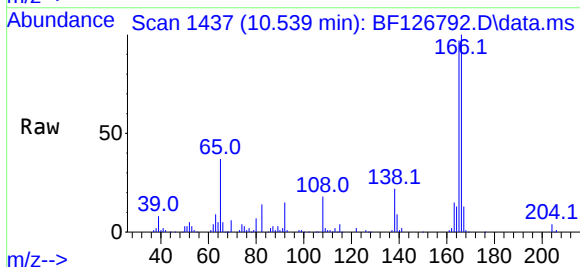
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

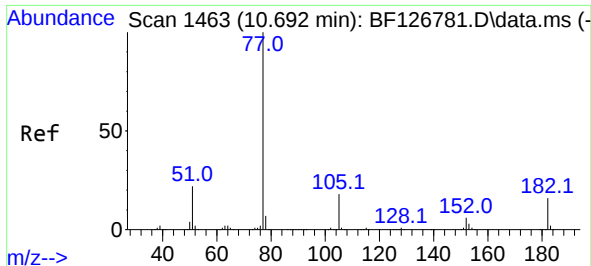
Tgt Ion:204 Resp: 55576
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 61.6 59.0 88.6



#62
4-Nitroaniline
Concen: 5.179 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.024 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:138 Resp: 25018
Ion Ratio Lower Upper
138 100
92 64.9 36.2 76.2
108 81.7 46.7 86.7



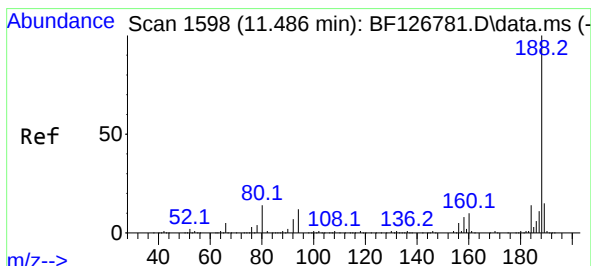
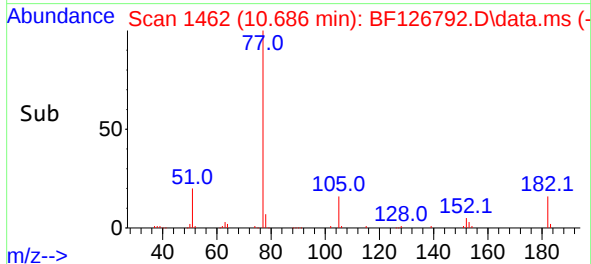
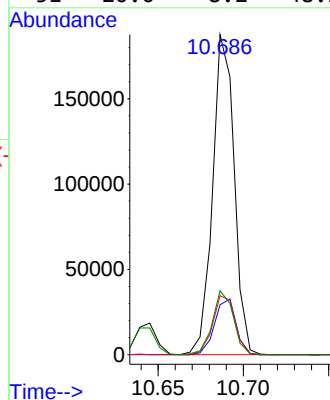
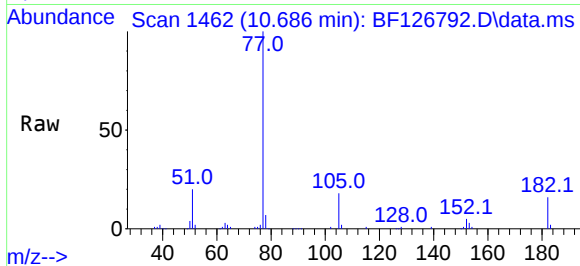


#63
Azobenzene
Concen: 5.576 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 77 Resp: 165340

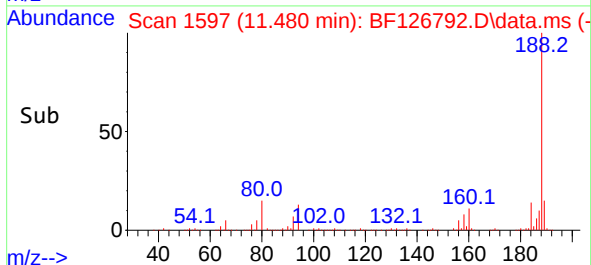
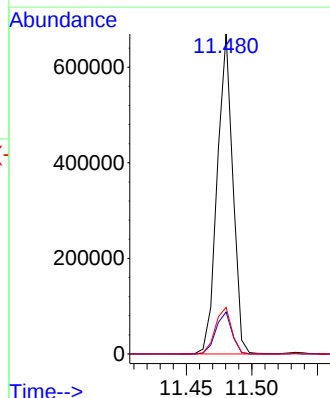
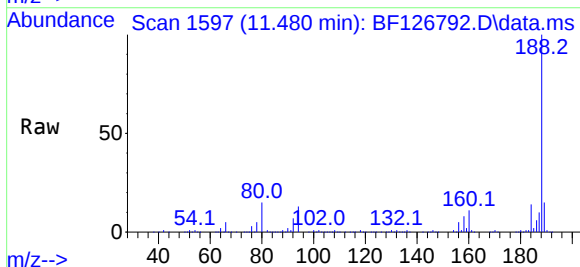
Ion	Ratio	Lower	Upper
77	100		
182	15.6	0.0	39.0
105	18.5	3.2	43.2
51	20.0	8.2	48.2

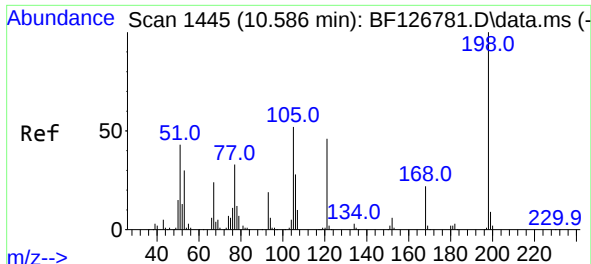


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion: 188 Resp: 552266

Ion	Ratio	Lower	Upper
188	100		
94	13.1	10.1	15.1
80	14.6	11.8	17.6

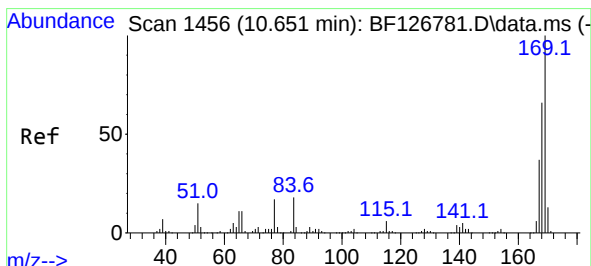
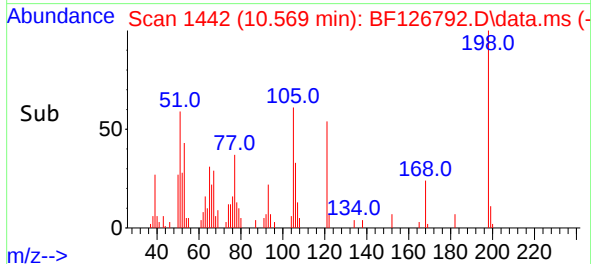
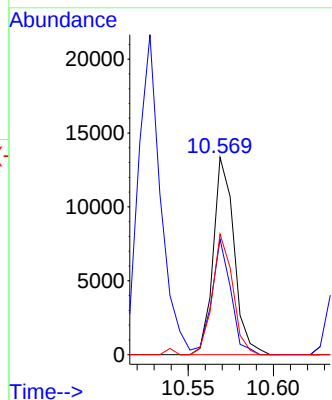
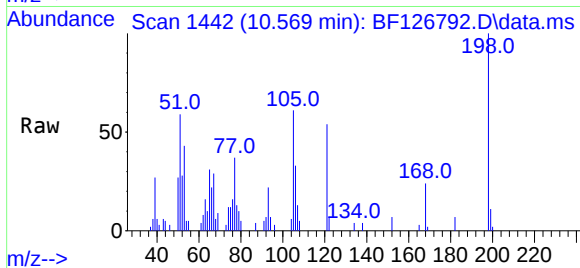




#65
4,6-Dinitro-2-methylphenol
Concen: 3.381 ng
RT: 10.569 min Scan# 1445
Delta R.T. -0.018 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

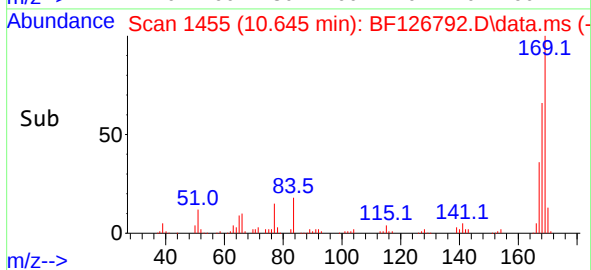
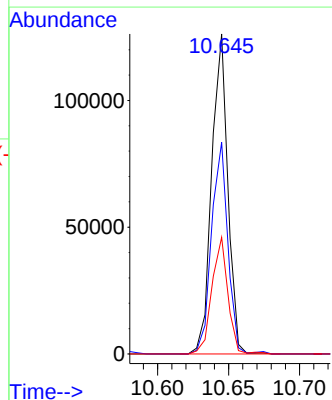
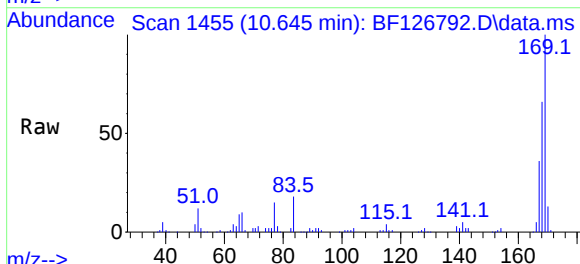
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

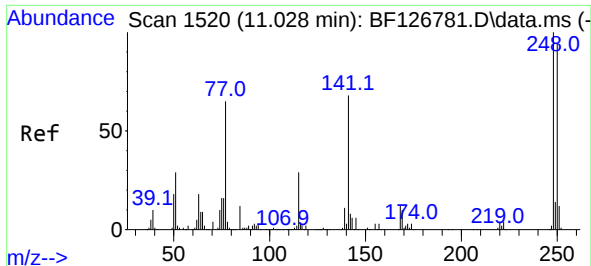
Tgt Ion:198 Resp: 11327
Ion Ratio Lower Upper
198 100
51 58.5 32.0 72.0
105 61.2 32.7 72.7



#66
n-Nitrosodiphenylamine
Concen: 5.596 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:169 Resp: 99390
Ion Ratio Lower Upper
169 100
168 66.2 53.4 80.0
167 36.4 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 5.348 ng

RT: 11.022 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

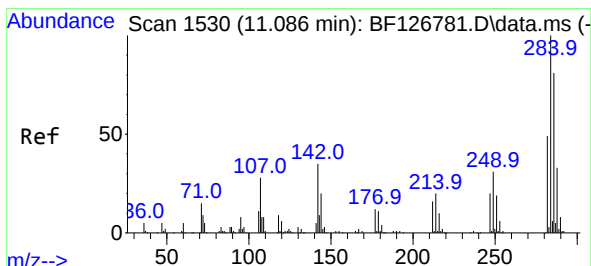
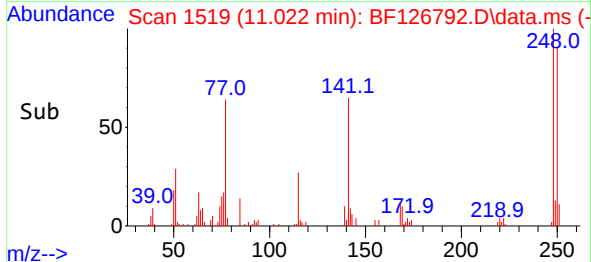
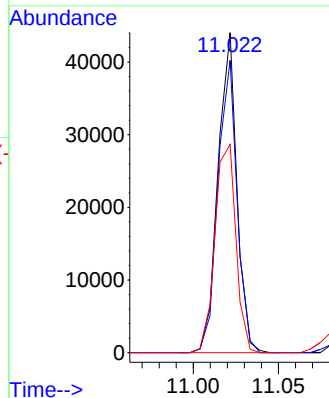
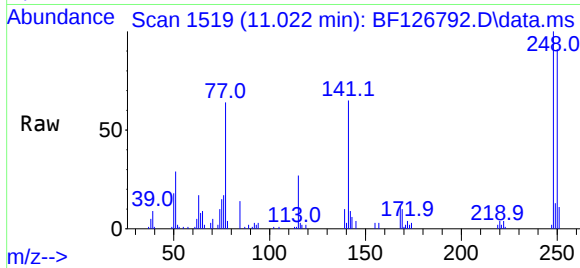
Tgt Ion:248 Resp: 33805

Ion Ratio Lower Upper

248 100

250 91.4 76.2 114.4

141 65.1 66.2 99.4#



#68

Hexachlorobenzene

Concen: 5.293 ng

RT: 11.080 min Scan# 1529

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

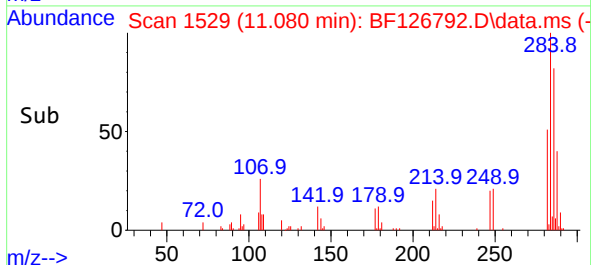
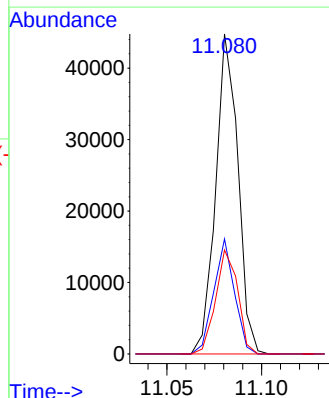
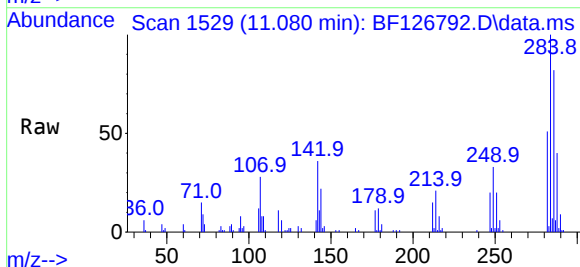
Tgt Ion:284 Resp: 36611

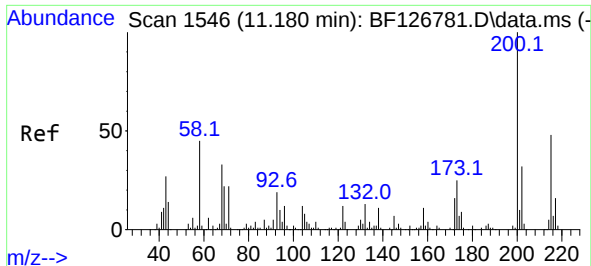
Ion Ratio Lower Upper

284 100

142 35.9 30.7 46.1

249 32.5 21.1 31.7#

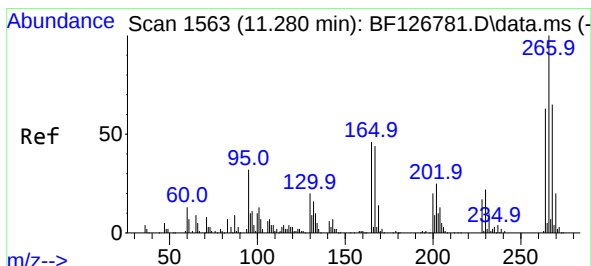
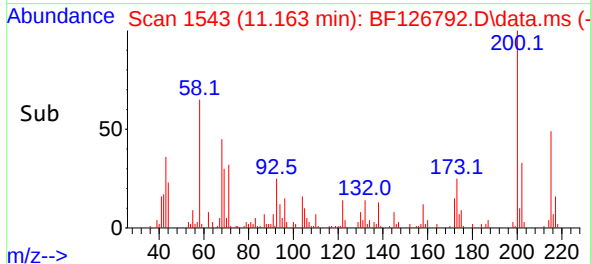
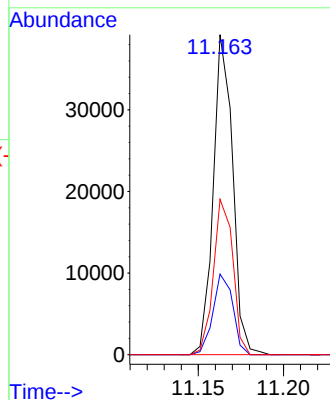
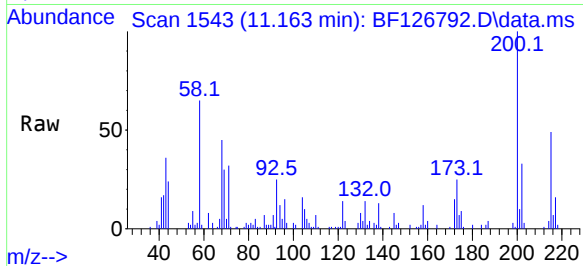




#69
Atrazine
Concen: 5.370 ng
RT: 11.163 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

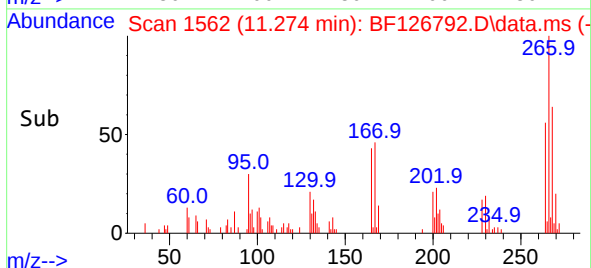
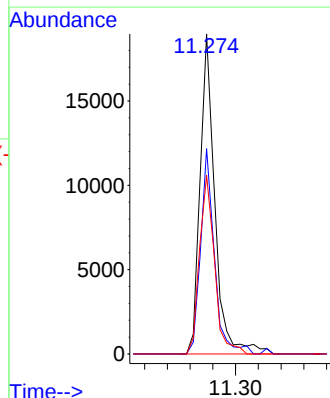
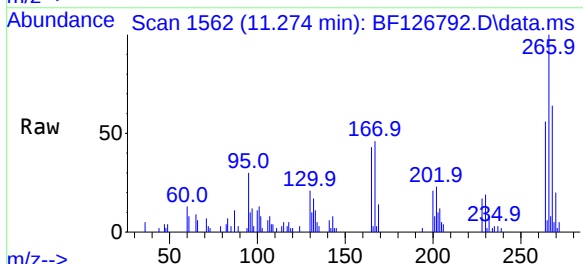
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

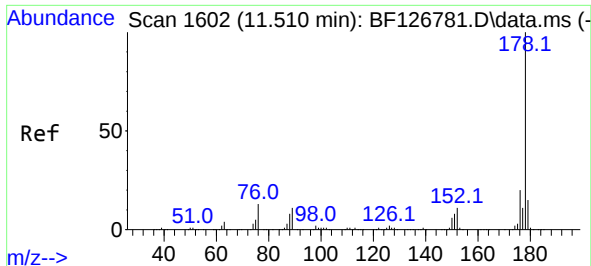
Tgt Ion:200 Resp: 30948
Ion Ratio Lower Upper
200 100
173 25.2 9.2 49.2
215 48.6 23.2 63.2



#70
Pentachlorophenol
Concen: 4.237 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:266 Resp: 17097
Ion Ratio Lower Upper
266 100
268 64.2 52.3 78.5
264 55.9 50.4 75.6

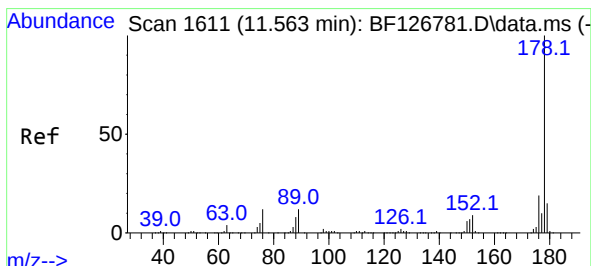
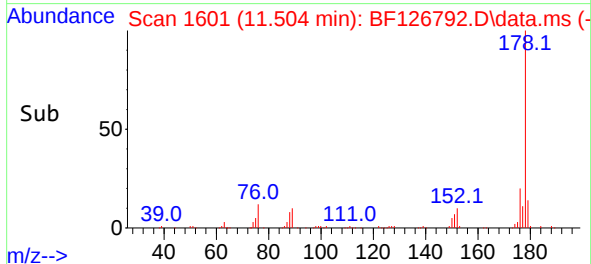
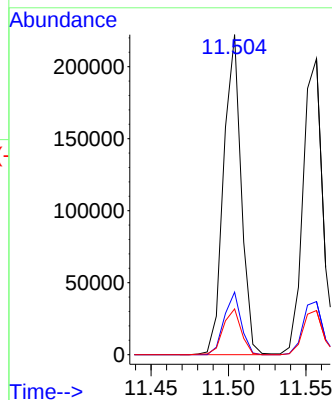
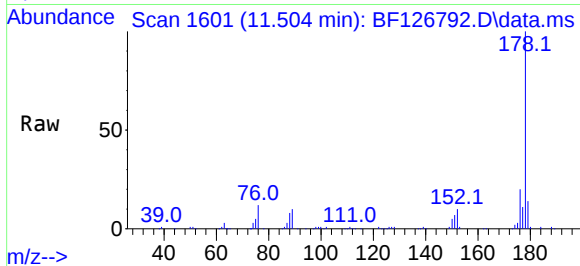




#71
Phenanthrene
Concen: 5.736 ng
RT: 11.504 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

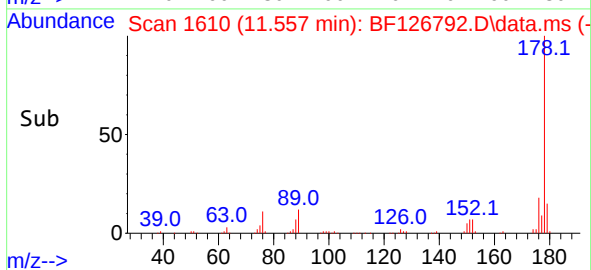
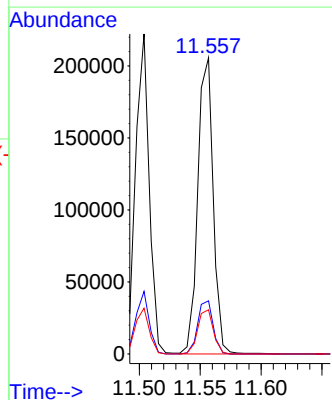
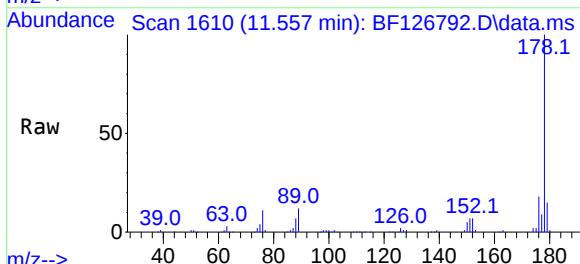
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

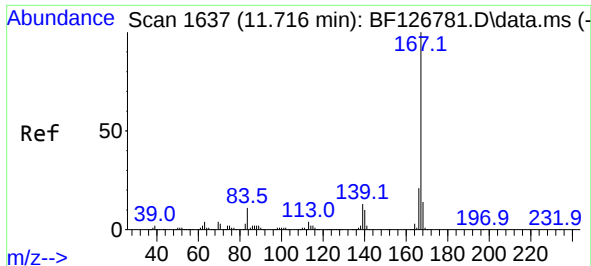
Tgt Ion:178 Resp: 175436
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 14.3 12.3 18.5



#72
Anthracene
Concen: 5.913 ng
RT: 11.557 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:178 Resp: 181153
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.6
179 14.9 12.5 18.7

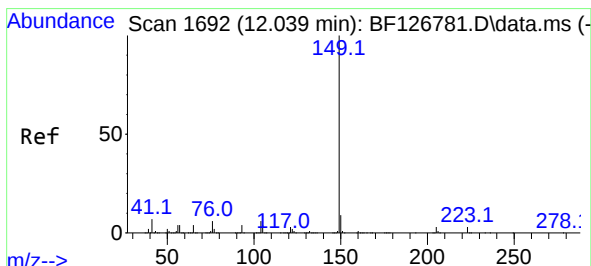
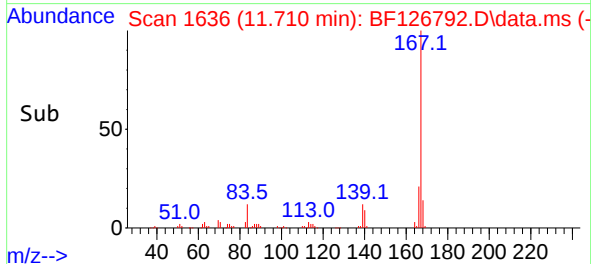
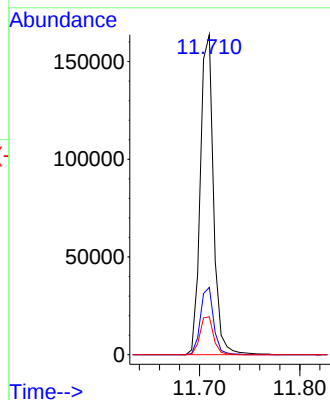
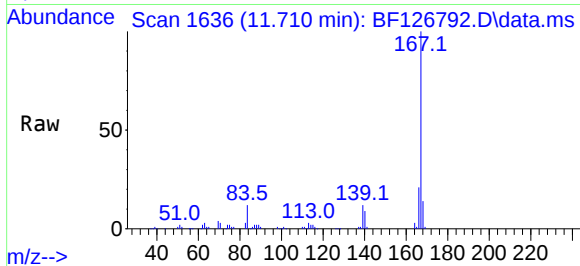




#73
 Carbazole
 Concen: 5.208 ng
 RT: 11.710 min Scan# 1636
 Delta R.T. -0.006 min
 Lab File: BF126792.D
 Acq: 03 Feb 2022 11:44

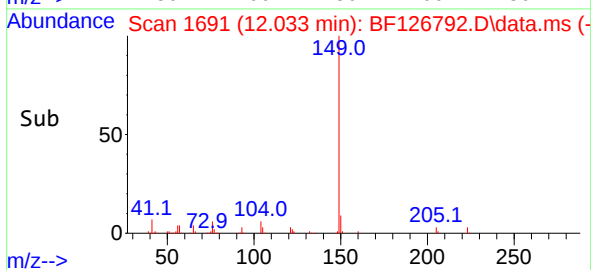
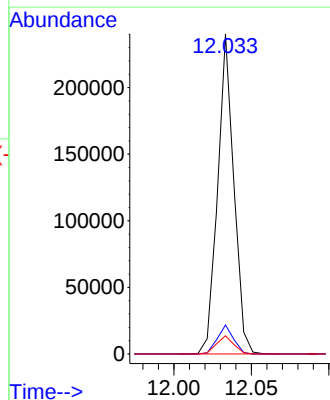
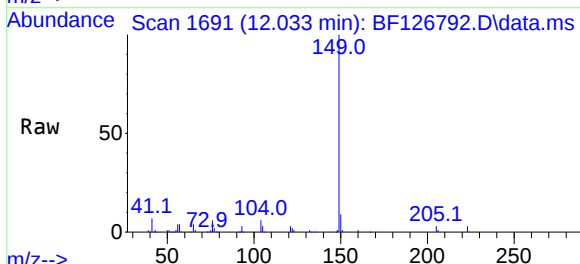
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

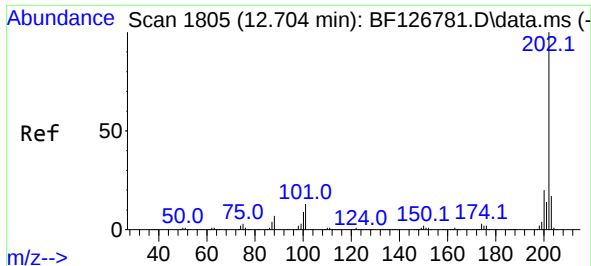
Tgt Ion:167 Resp: 150515
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.9 25.3
 139 11.9 11.3 16.9



#74
 Di-n-butylphthalate
 Concen: 5.213 ng
 RT: 12.033 min Scan# 1691
 Delta R.T. -0.006 min
 Lab File: BF126792.D
 Acq: 03 Feb 2022 11:44

Tgt Ion:149 Resp: 174665
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.2 10.8
 104 5.7 4.2 6.2

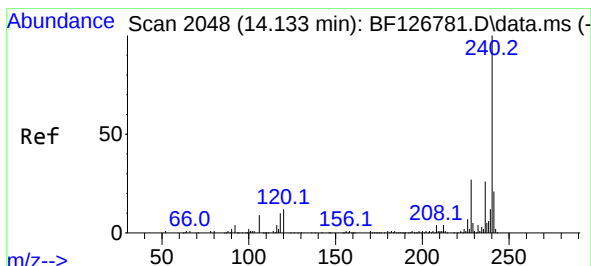
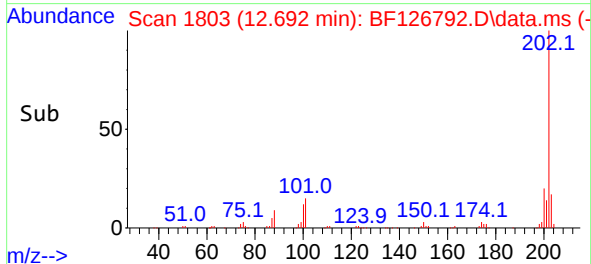
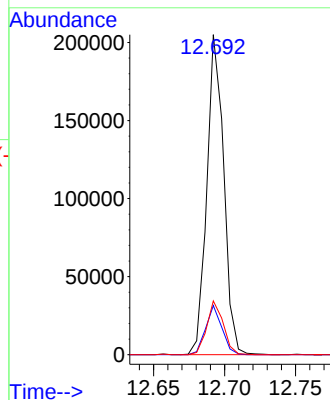
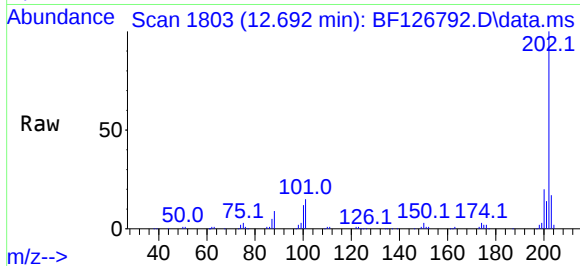




#75
Fluoranthene
Concen: 5.466 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

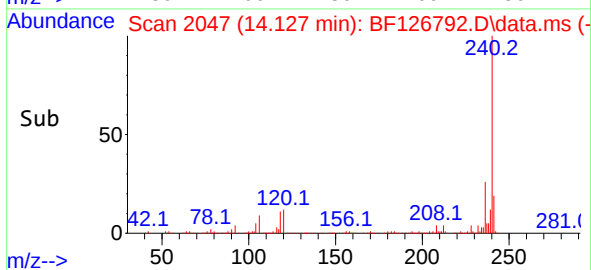
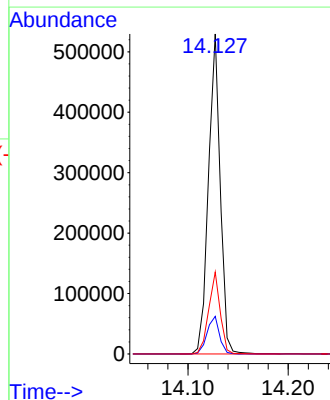
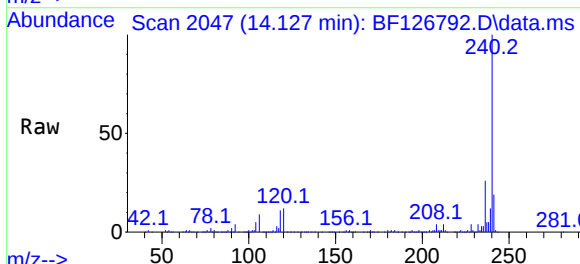
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2021

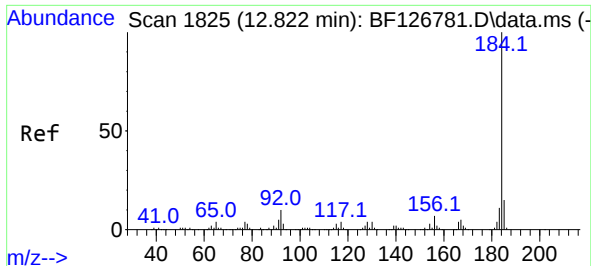
Tgt Ion:202	Resp: 170048		
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	35.7
203	16.8	0.0	37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:240	Resp: 435309
Ion Ratio	Lower Upper
240 100	
120 11.7	14.4 21.6#
236 25.6	20.5 30.7

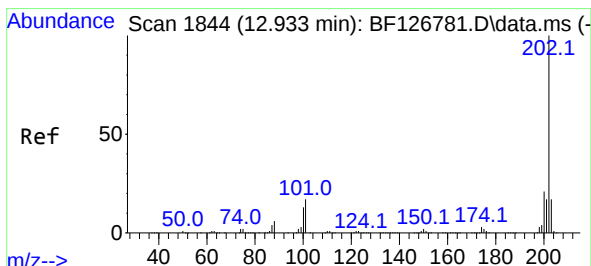
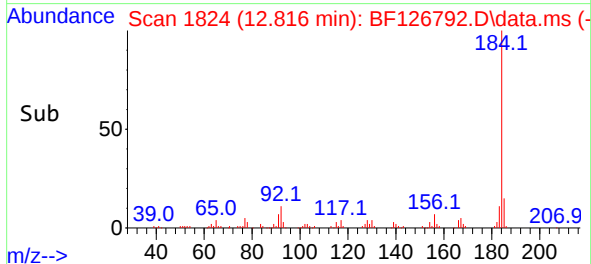
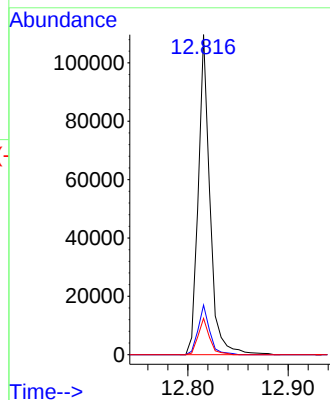
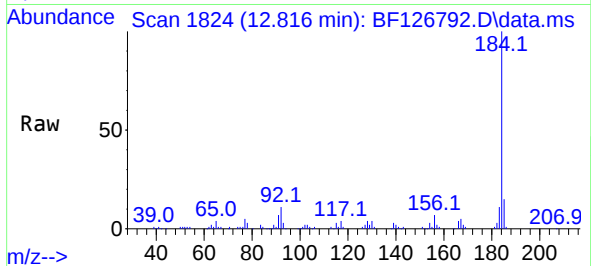




#77
Benzidine
Concen: 8.863 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

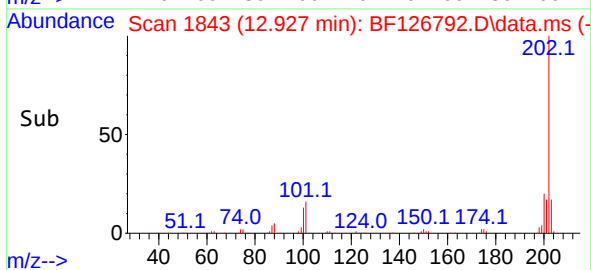
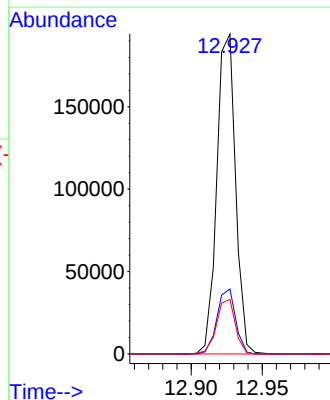
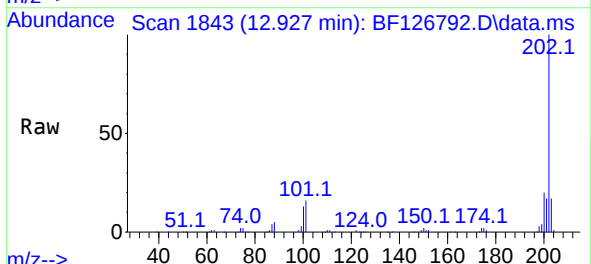
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

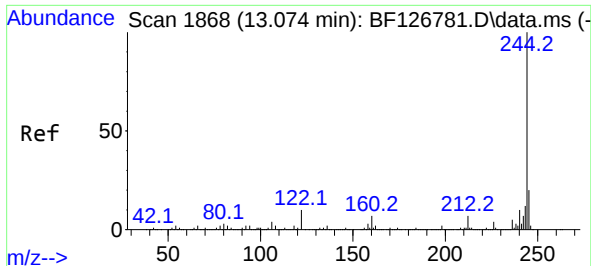
Tgt Ion:184 Resp: 88510
Ion Ratio Lower Upper
184 100
185 15.5 11.8 17.8
183 11.3 8.2 12.2



#78
Pyrene
Concen: 5.121 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:202 Resp: 178141
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 17.0 13.8 20.8

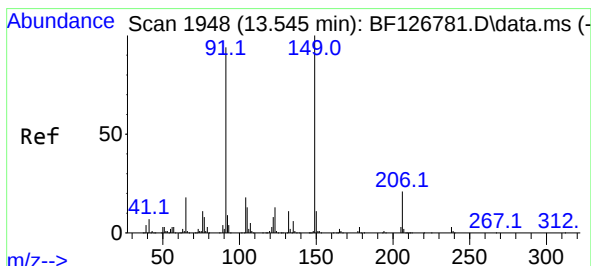
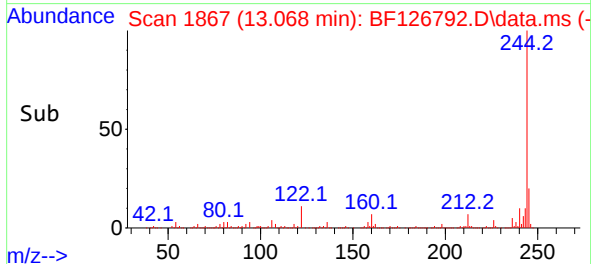
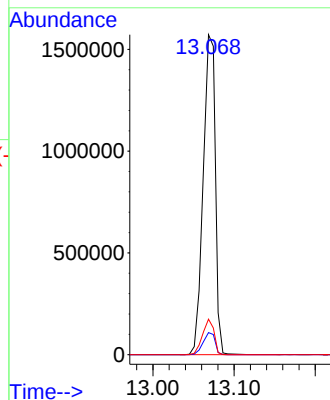
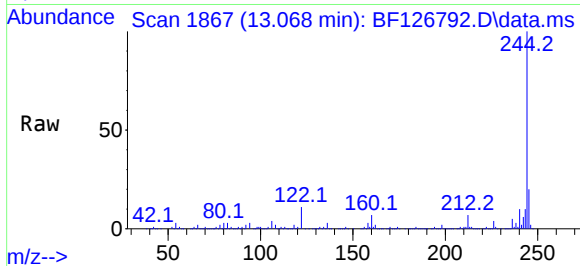




#79
 Terphenyl-d14
 Concen: 62.714 ng
 RT: 13.068 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126792.D
 Acq: 03 Feb 2022 11:44

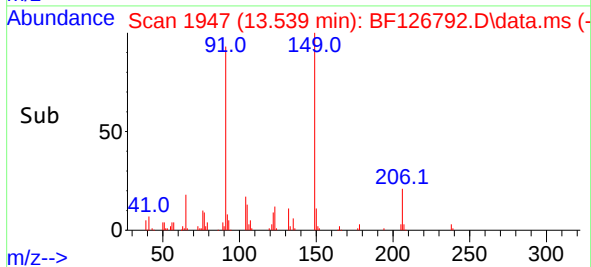
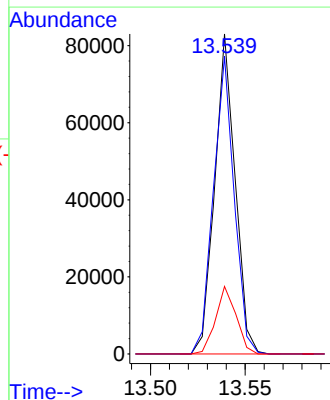
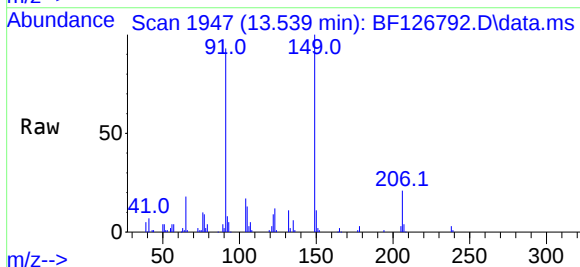
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

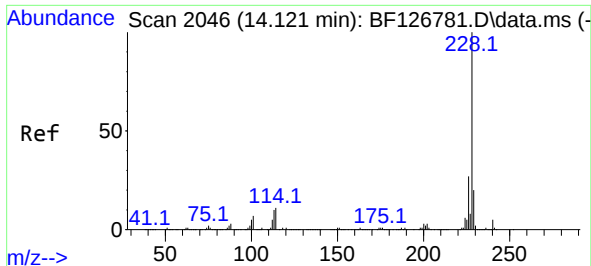
Tgt Ion:244 Resp: 1631949
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.4
 122 11.1 13.3 19.9#



#80
 Butylbenzylphthalate
 Concen: 4.328 ng
 RT: 13.539 min Scan# 1947
 Delta R.T. -0.006 min
 Lab File: BF126792.D
 Acq: 03 Feb 2022 11:44

Tgt Ion:149 Resp: 62469
 Ion Ratio Lower Upper
 149 100
 91 93.0 70.5 105.7
 206 21.1 12.6 19.0#

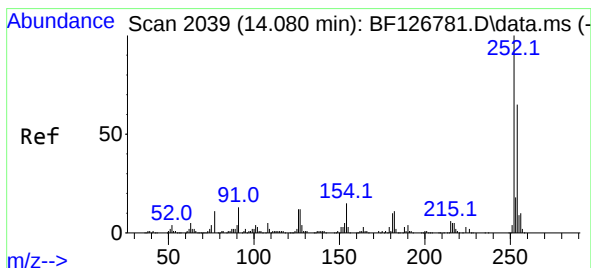
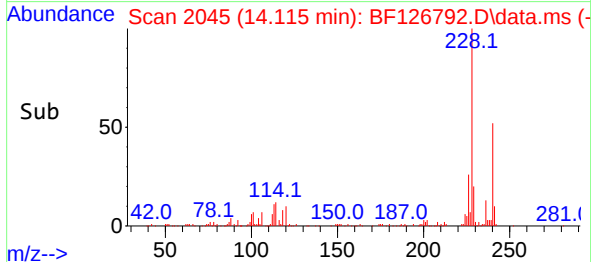
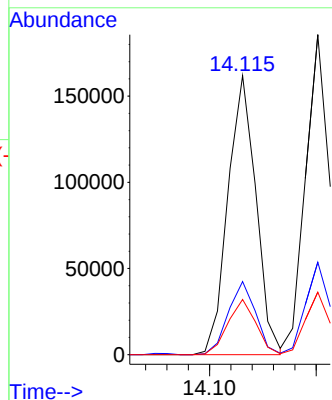
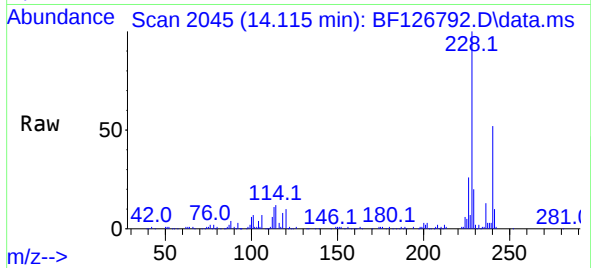




#81
Benzo(a)anthracene
Concen: 5.100 ng
RT: 14.115 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

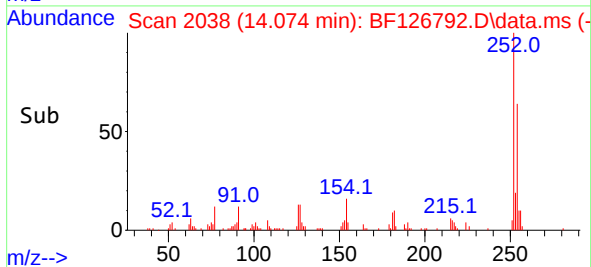
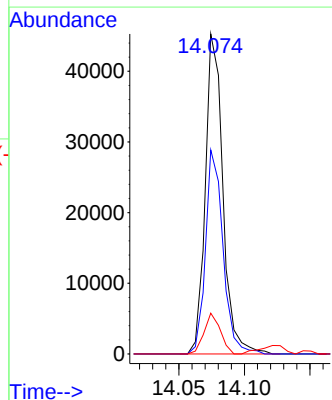
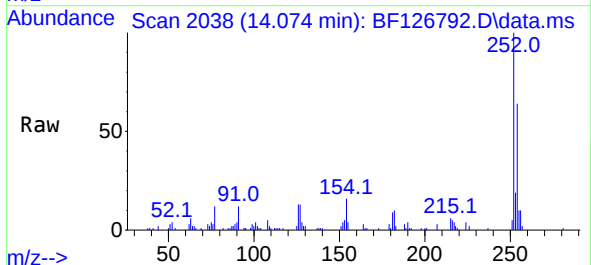
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

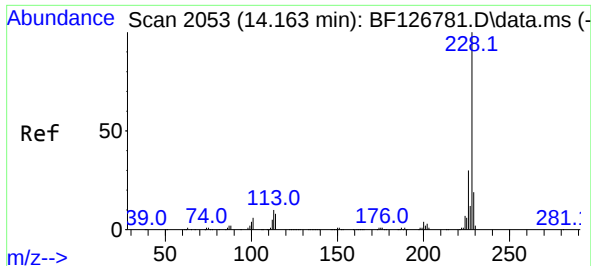
Tgt Ion:228 Resp: 148126
Ion Ratio Lower Upper
228 100
226 26.2 21.4 32.0
229 19.8 15.4 23.2



#82
3,3'-Dichlorobenzidine
Concen: 5.090 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:252 Resp: 42341
Ion Ratio Lower Upper
252 100
254 63.7 51.0 76.4
126 12.8 13.4 20.0#

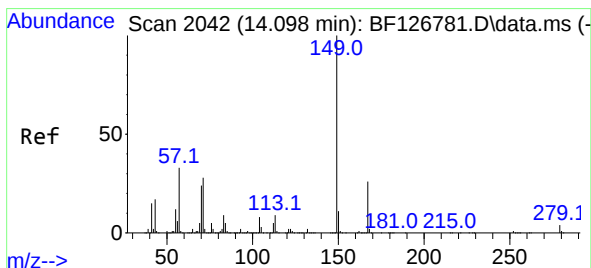
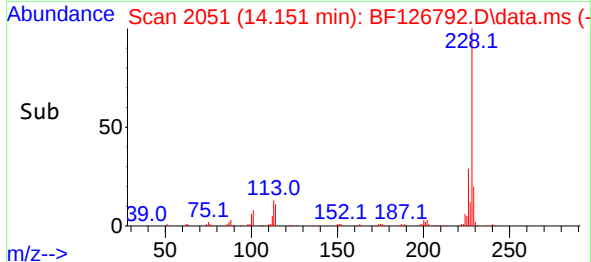
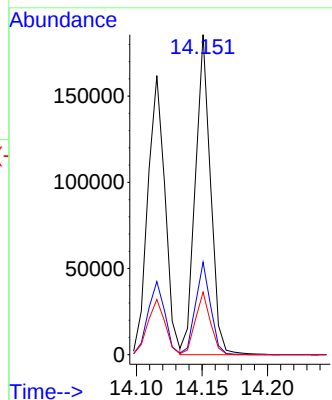
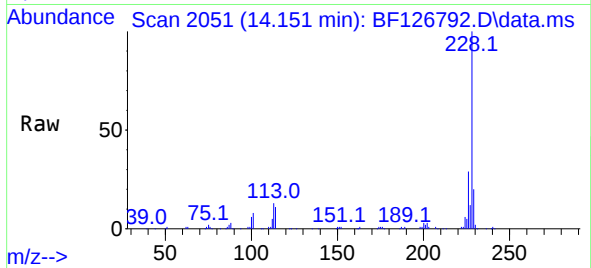




#83
Chrysene
Concen: 5.443 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

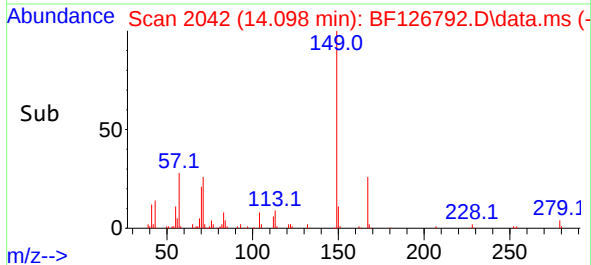
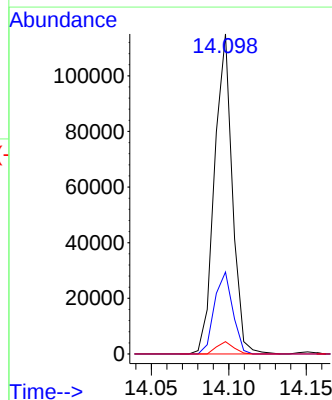
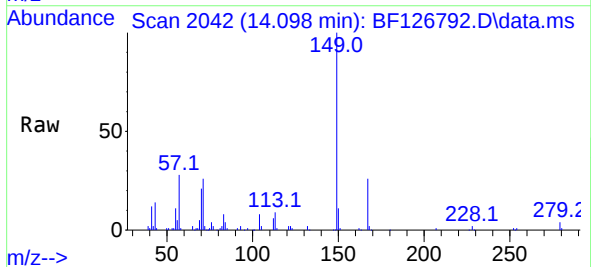
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

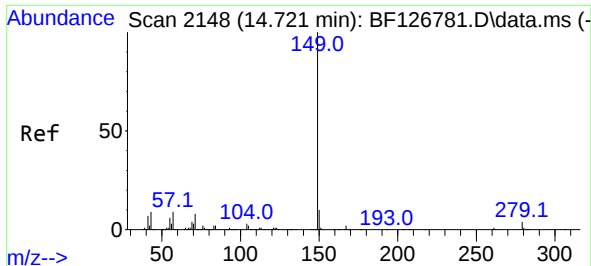
Tgt Ion:228 Resp: 149681
Ion Ratio Lower Upper
228 100
226 28.9 23.7 35.5
229 19.6 15.5 23.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.894 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:149 Resp: 91910
Ion Ratio Lower Upper
149 100
167 25.6 21.4 32.2
279 3.9 2.4 3.6#

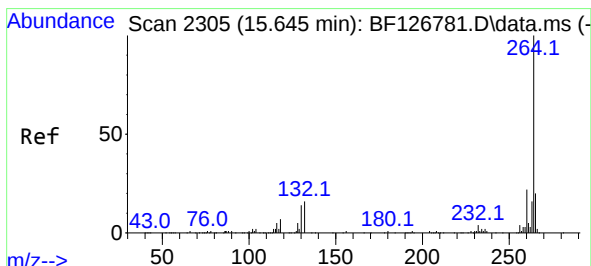
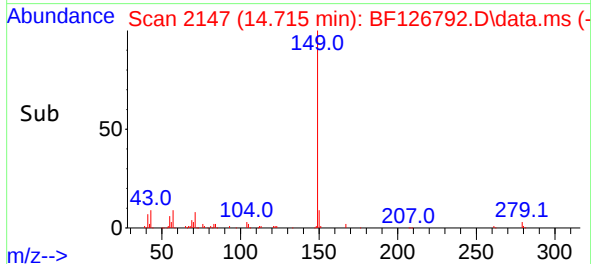
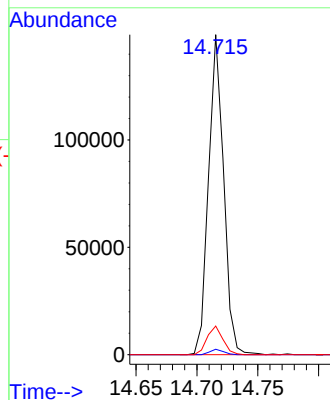
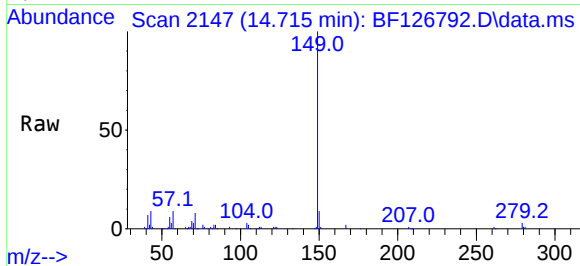




#85
Di-n-octyl phthalate
Concen: 4.813 ng
RT: 14.715 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

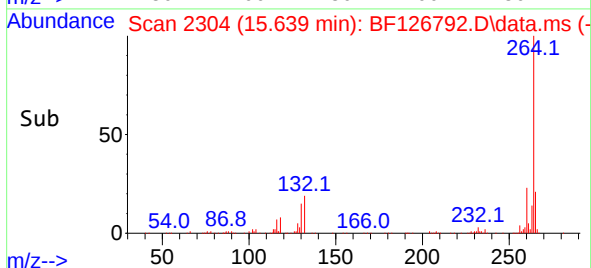
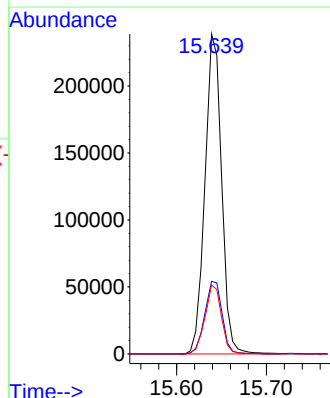
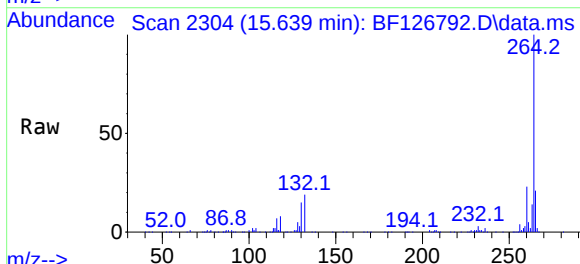
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

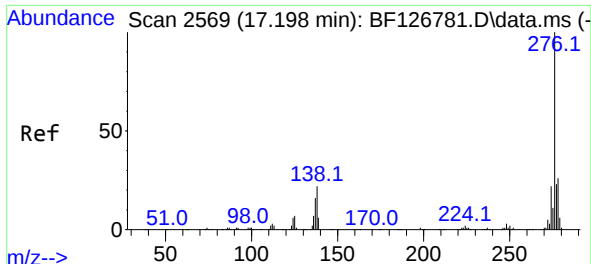
Tgt Ion:149 Resp: 128874
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 9.4 9.9 14.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2304
Delta R.T. -0.006 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:264 Resp: 308090
Ion Ratio Lower Upper
264 100
260 22.7 19.2 28.8
265 21.5 17.4 26.2

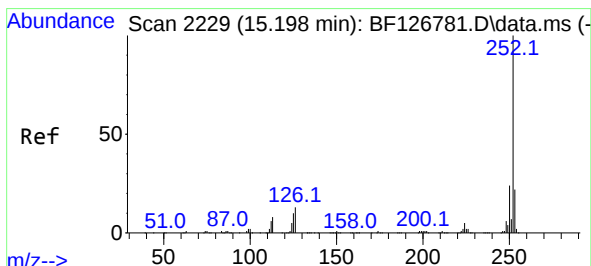
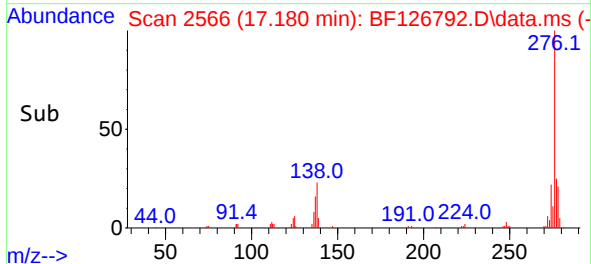
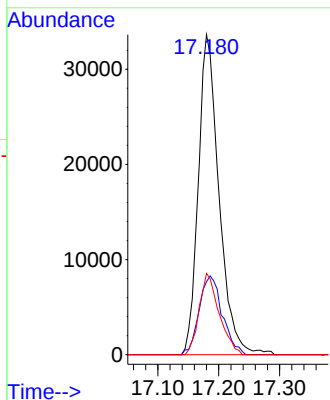
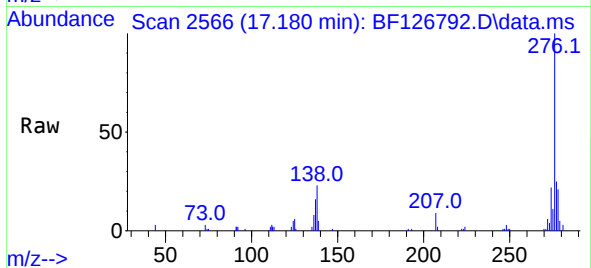




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.234 ng
RT: 17.180 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

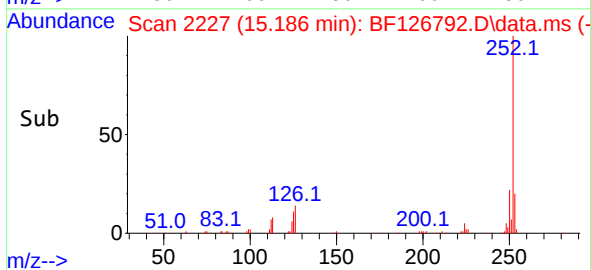
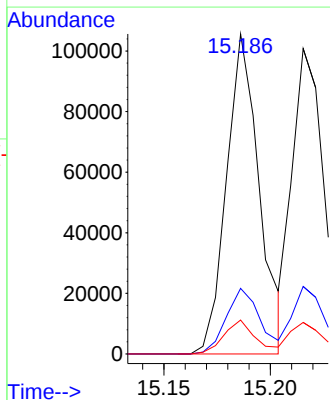
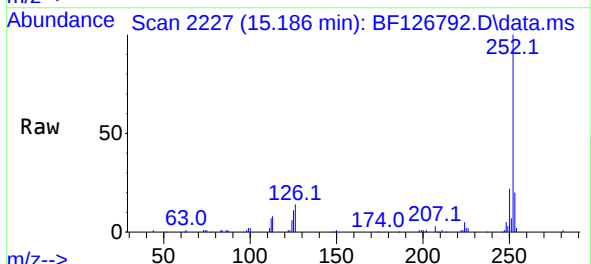
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

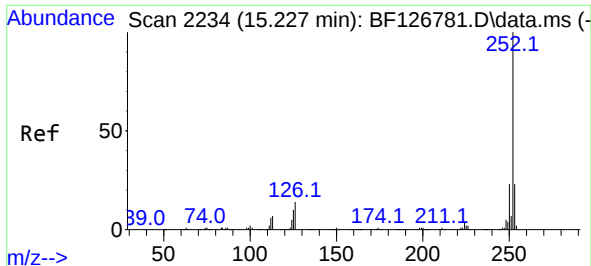
Tgt Ion:276 Resp: 79569
Ion Ratio Lower Upper
276 100
138 27.5 29.2 43.8#
277 24.5 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 5.635 ng
RT: 15.186 min Scan# 2227
Delta R.T. -0.012 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:252 Resp: 113520
Ion Ratio Lower Upper
252 100
253 20.5 17.8 26.8
125 10.6 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 5.301 ng

RT: 15.215 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

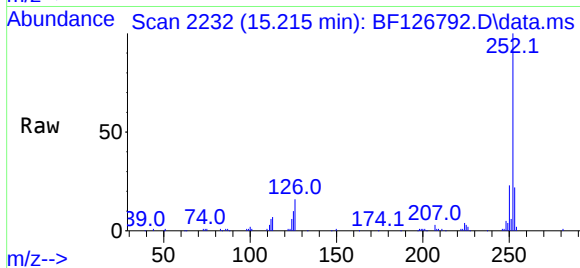
Tgt Ion:252 Resp: 106535

Ion Ratio Lower Upper

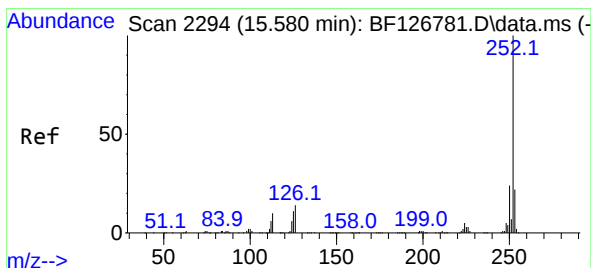
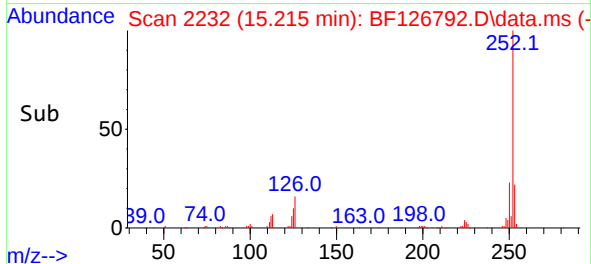
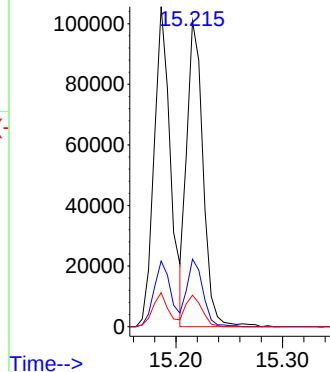
252 100

253 22.1 17.5 26.3

125 10.3 11.8 17.6#



Abundance



#90

Benzo(a)pyrene

Concen: 6.021 ng

RT: 15.574 min Scan# 2293

Delta R.T. -0.006 min

Lab File: BF126792.D

Acq: 03 Feb 2022 11:44

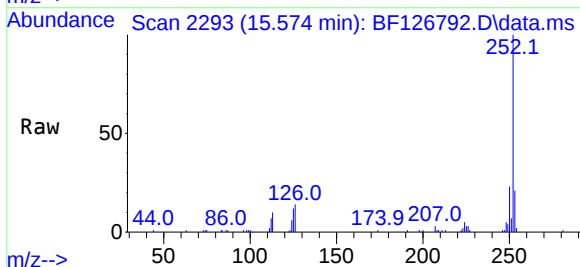
Tgt Ion:252 Resp: 96695

Ion Ratio Lower Upper

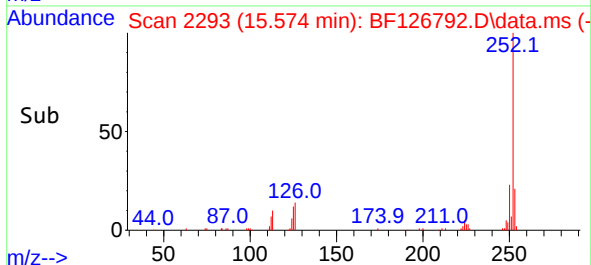
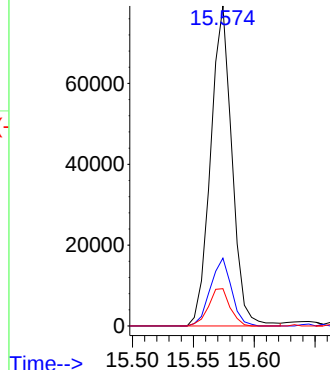
252 100

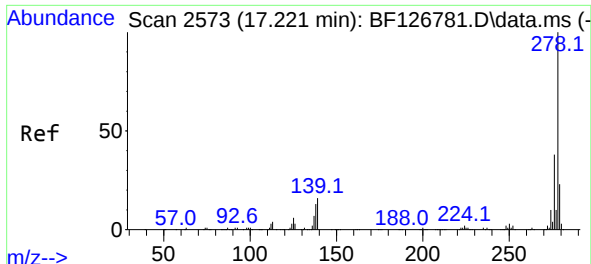
253 21.2 17.1 25.7

125 11.7 13.0 19.6#



Abundance

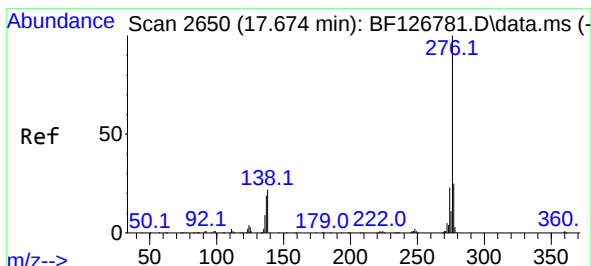
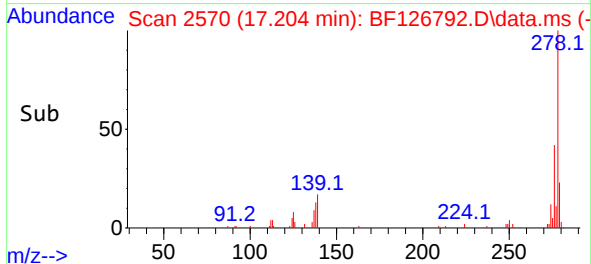
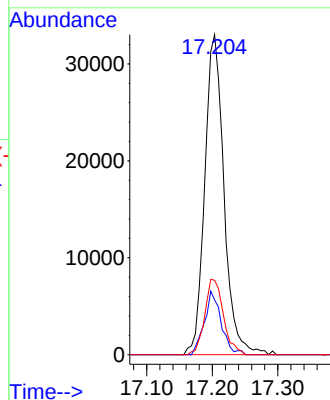
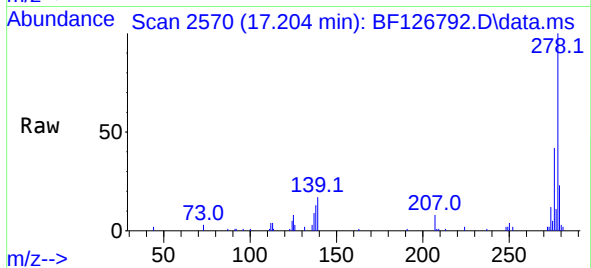




#91
Dibenzo(a,h)anthracene
Concen: 4.397 ng
RT: 17.204 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:278 Resp: 67678
Ion Ratio Lower Upper
278 100
139 17.1 18.0 27.0#
279 23.2 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 4.432 ng
RT: 17.651 min Scan# 2646
Delta R.T. -0.024 min
Lab File: BF126792.D
Acq: 03 Feb 2022 11:44

Tgt Ion:276 Resp: 67378
Ion Ratio Lower Upper
276 100
277 24.6 18.5 27.7
138 27.3 25.9 38.9

