

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
 Data File : BF129309.D
 Acq On : 22 Jul 2022 11:24
 Operator : CG\JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jul 22 11:50:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 13:42:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	145997	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	547629	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	297946	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	512225	20.000	ng	0.00
76) Chrysene-d12	14.069	240	404963	20.000	ng	-0.01
86) Perylene-d12	15.563	264	323373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	979964	109.479	ng	0.00
7) Phenol-d6	6.522	99	1303426	114.229	ng	0.00
23) Nitrobenzene-d5	7.457	82	931313	91.493	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	366591	127.529	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1647824	85.081	ng	0.00
79) Terphenyl-d14	13.016	244	1725766	79.368	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	13504	3.402	ng	87
3) Pyridine	3.563	79	53167	4.852	ng	97
4) n-Nitrosodimethylamine	3.446	42	18145	3.688	ng	83
6) Aniline	6.557	93	56954	4.056	ng	97
8) 2-Chlorophenol	6.675	128	38079	3.881	ng	91
9) Benzaldehyde	6.445	77	31380	4.009	ng	97
10) Phenol	6.534	94	43810	3.653	ng	97
11) bis(2-Chloroethyl)ether	6.628	93	36098	3.803	ng	91
12) 1,3-Dichlorobenzene	6.834	146	42454	4.014	ng	95
13) 1,4-Dichlorobenzene	6.910	146	41952	3.920	ng	97
14) 1,2-Dichlorobenzene	7.063	146	39406	3.985	ng	97
15) Benzyl Alcohol	7.028	79	46061	5.564	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.163	45	52284	3.613	ng	92
17) 2-Methylphenol	7.134	107	29830	3.730	ng	96
18) Hexachloroethane	7.404	117	15695	3.909	ng	92
19) n-Nitroso-di-n-propyla...	7.292	70	26898	3.956	ng	99
20) 3+4-Methylphenols	7.287	107	38620	3.703	ng	93
22) Acetophenone	7.298	105	55249	4.297	ng	98
24) Nitrobenzene	7.475	77	44763	4.270	ng	97
25) Isophorone	7.704	82	72739	4.070	ng	97
26) 2-Nitrophenol	7.787	139	18125	3.583	ng	97
27) 2,4-Dimethylphenol	7.816	122	31864	4.187	ng	94
28) bis(2-Chloroethoxy)met...	7.916	93	44000	4.250	ng	97
29) 2,4-Dichlorophenol	8.028	162	30498	3.853	ng	95
30) 1,2,4-Trichlorobenzene	8.116	180	32474	3.947	ng	99
31) Naphthalene	8.198	128	112033	3.989	ng	99
32) Benzoic acid	7.887	122	30057	5.403	ng	97
33) 4-Chloroaniline	8.245	127	45148	3.941	ng	96
34) Hexachlorobutadiene	8.310	225	20582	4.377	ng	95
35) Caprolactam	8.575	113	8835	3.500	ng	88
36) 4-Chloro-3-methylphenol	8.716	107	34543	4.108	ng	98
37) 2-Methylnaphthalene	8.886	142	72493	3.983	ng	99
38) 1-Methylnaphthalene	8.986	142	70312	3.993	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	32804	4.194	ng	98
41) Hexachlorocyclopentadiene	9.039	237	12952	3.757	ng	94
43) 2,4,6-Trichlorophenol	9.163	196	21292	3.725	ng	98

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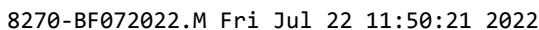
Instrument :
 BNA_F
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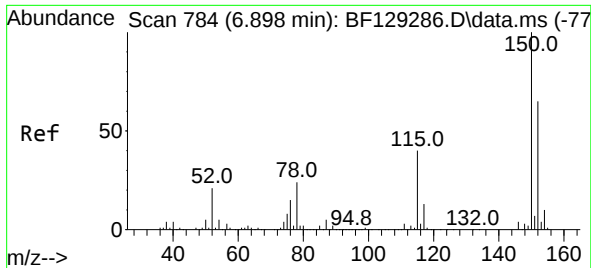
Quant Time: Jul 22 11:50:12 2022
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 13:42:18 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	22846	3.684	ng	97
46) 1,1'-Biphenyl	9.351	154	93488	4.246	ng	97
47) 2-Chloronaphthalene	9.375	162	68876	3.906	ng	98
48) 2-Nitroaniline	9.469	65	21016	3.548	ng	95
49) Acenaphthylene	9.792	152	113944	4.207	ng	99
50) Dimethylphthalate	9.645	163	81450	3.979	ng	99
51) 2,6-Dinitrotoluene	9.710	165	17237	3.761	ng	93
52) Acenaphthene	9.963	154	72469	4.123	ng	98
53) 3-Nitroaniline	9.881	138	19238	3.528	ng #	96
54) 2,4-Dinitrophenol	9.986	184	13051	5.627	ng	98
55) Dibenzofuran	10.139	168	101809	4.168	ng	99
56) 4-Nitrophenol	10.033	139	12937	3.248	ng	85
57) 2,4-Dinitrotoluene	10.116	165	22246	3.702	ng #	97
58) Fluorene	10.481	166	80378	4.123	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	16186	3.386	ng #	87
60) Diethylphthalate	10.345	149	80162	4.070	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	36542	4.285	ng	93
62) 4-Nitroaniline	10.486	138	18295	3.396	ng	94
63) Azobenzene	10.633	77	80614	3.956	ng	95
65) 4,6-Dinitro-2-methylph...	10.522	198	8972	2.848	ng	95
66) n-Nitrosodiphenylamine	10.586	169	67213	3.969	ng	96
67) 4-Bromophenyl-phenylether	10.963	248	22393	4.052	ng	96
68) Hexachlorobenzene	11.028	284	25117	4.149	ng	98
69) Atrazine	11.110	200	21551	4.164	ng	96
70) Pentachlorophenol	11.222	266	9388	2.821	ng	96
71) Phenanthrene	11.445	178	114866	4.086	ng	97
72) Anthracene	11.498	178	115668	4.152	ng	98
73) Carbazole	11.651	167	106528	4.099	ng	98
74) Di-n-butylphthalate	11.975	149	120829	4.024	ng	100
75) Fluoranthene	12.639	202	117434	4.098	ng	97
77) Benzidine	12.757	184	58706	3.638	ng	100
78) Pyrene	12.869	202	121939	3.521	ng	97
80) Butylbenzylphthalate	13.480	149	45415	3.213	ng	95
81) Benzo(a)anthracene	14.057	228	104542	3.749	ng	98
82) 3,3'-Dichlorobenzidine	14.016	252	34510	3.770	ng #	95
83) Chrysene	14.092	228	99827	3.793	ng	96
84) Bis(2-ethylhexyl)phtha...	14.033	149	62158	3.581	ng #	96
85) Di-n-octyl phthalate	14.651	149	87898	3.539	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	67025	3.023	ng	97
88) Benzo(b)fluoranthene	15.116	252	86715	4.029	ng	99
89) Benzo(k)fluoranthene	15.145	252	79864	3.821	ng	98
90) Benzo(a)pyrene	15.492	252	72303	4.152	ng	95
91) Dibenzo(a,h)anthracene	17.080	278	59710	3.342	ng	96
92) Benzo(g,h,i)perylene	17.521	276	56738	3.056	ng	98

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

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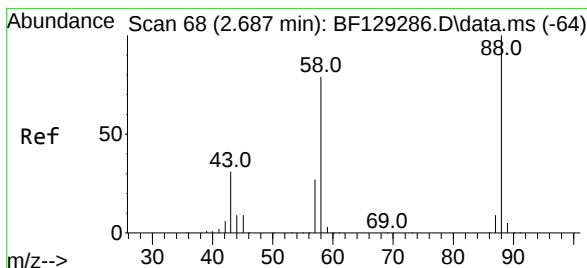
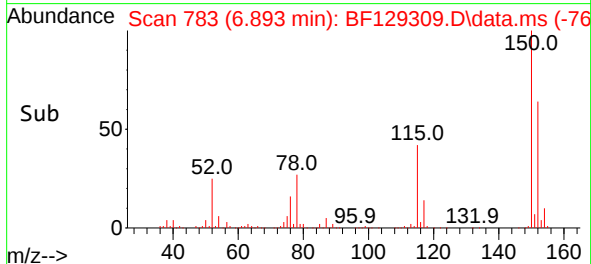
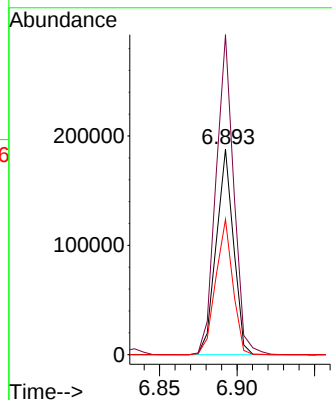
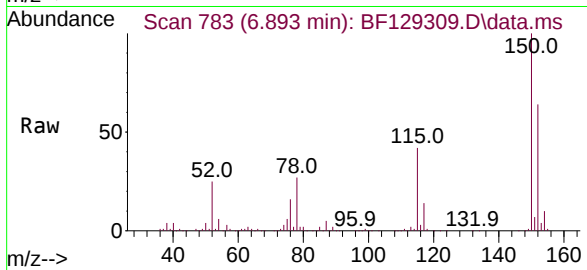




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 70
 Delta R.T. -0.005 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24

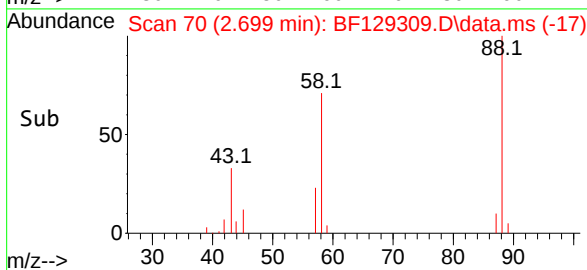
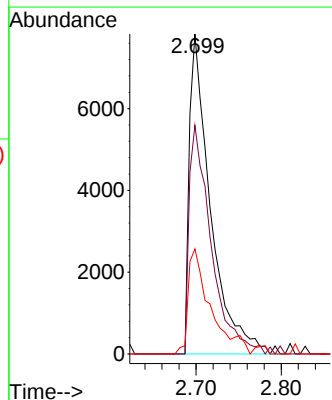
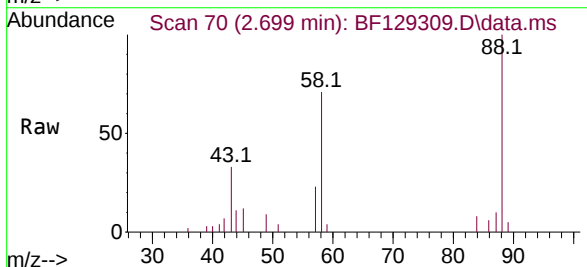
Instrument :
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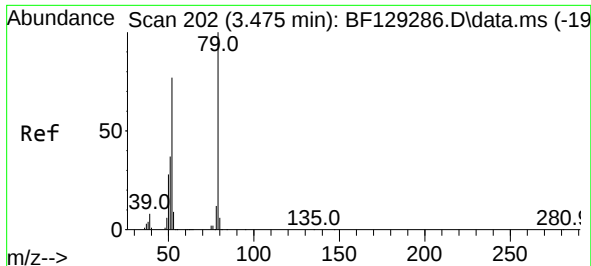
Tgt Ion:152 Resp: 145997
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.7 185.5
 115 65.8 49.9 74.9



#2
 1,4-Dioxane
 Concen: 3.402 ng
 RT: 2.699 min Scan# 70
 Delta R.T. 0.012 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24

Tgt Ion: 88 Resp: 13504
 Ion Ratio Lower Upper
 88 100
 58 74.1 71.8 107.8
 43 34.5 26.6 39.8

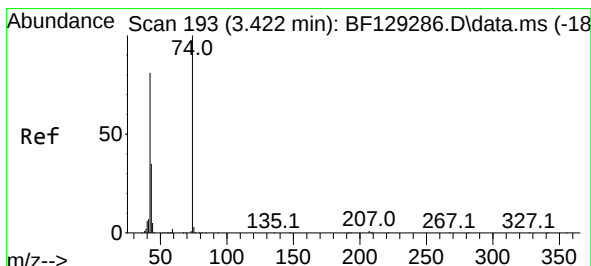
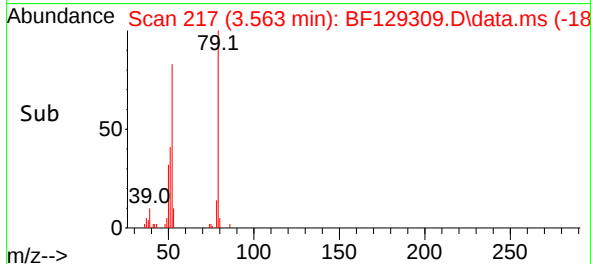
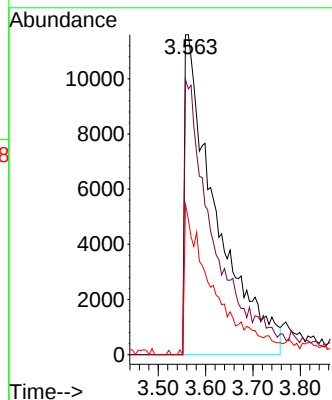
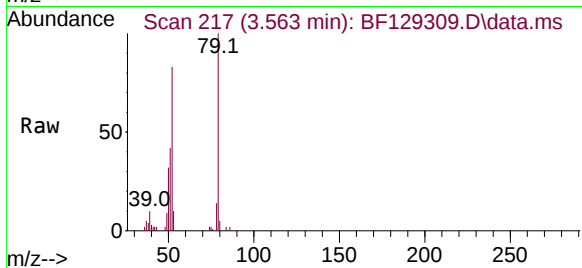




#3
 Pyridine
 Concen: 4.852 ng
 RT: 3.563 min Scan# 217
 Delta R.T. 0.088 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24

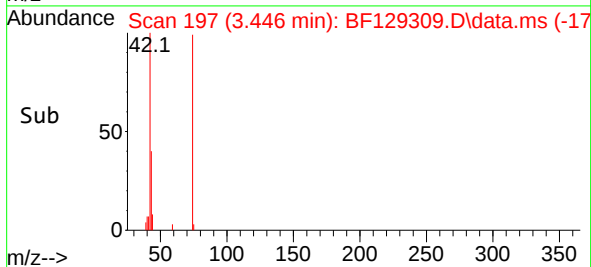
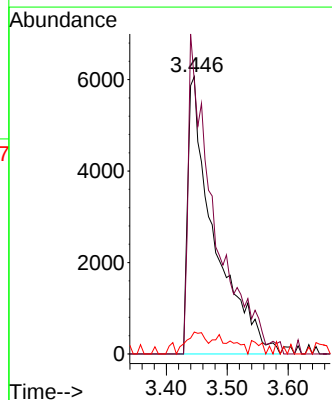
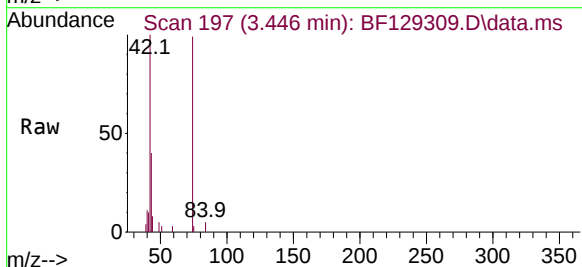
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Tgt Ion: 79 Resp: 53167
 Ion Ratio Lower Upper
 79 100
 52 83.0 68.6 102.8
 51 42.2 32.9 49.3



#4
 n-Nitrosodimethylamine
 Concen: 3.688 ng
 RT: 3.446 min Scan# 197
 Delta R.T. 0.024 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24

Tgt Ion: 42 Resp: 18145
 Ion Ratio Lower Upper
 42 100
 74 98.6 94.8 142.2
 44 7.9 6.6 10.0

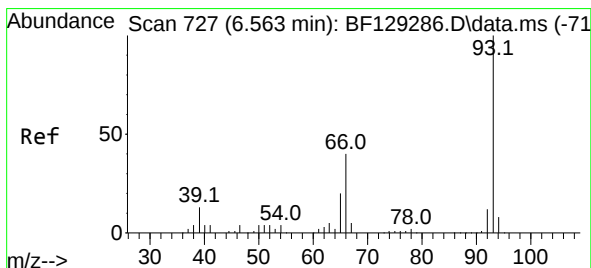
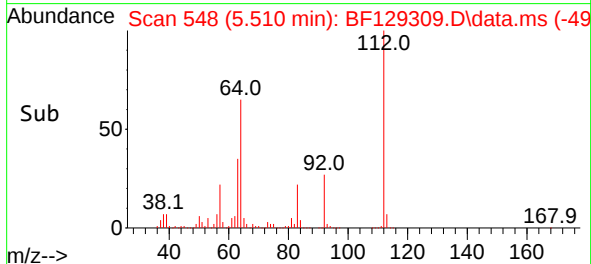
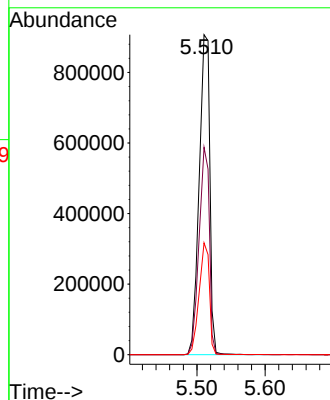
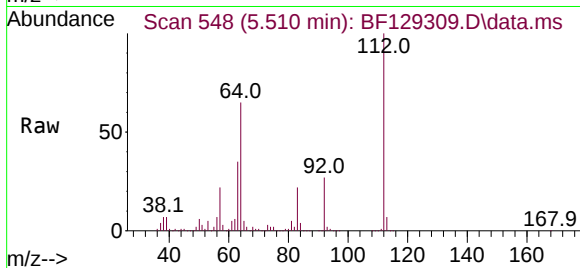




#5
2-Fluorophenol
Concen: 109.479 ng
RT: 5.510 min Scan# 54
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

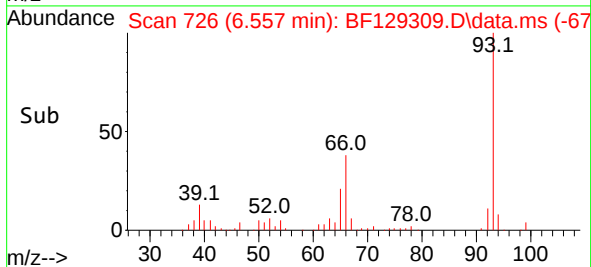
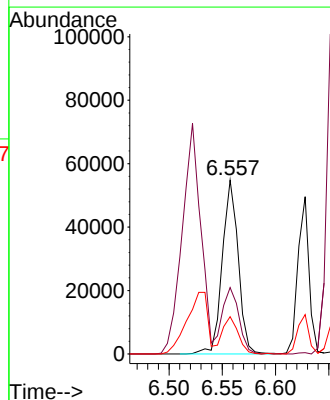
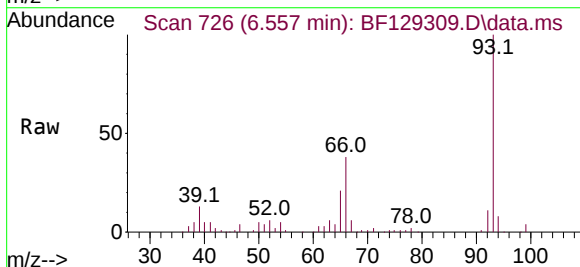
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

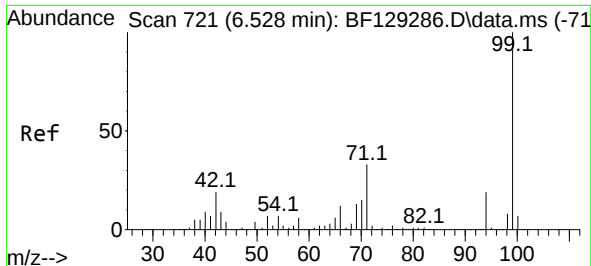
Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	53.3	79.9
63	35.0	28.0	42.0



#6
Aniline
Concen: 4.056 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion	Ratio	Lower	Upper
93	100		
66	38.2	32.5	48.7
65	21.4	16.4	24.6





#7

Phenol-d6

Concen: 114.229 ng

RT: 6.522 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

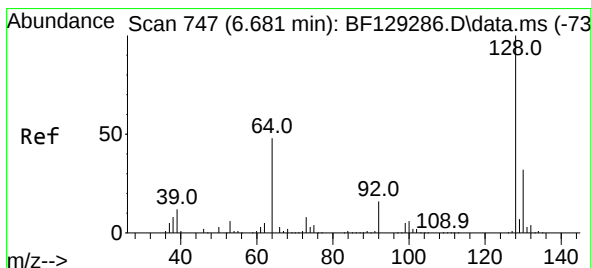
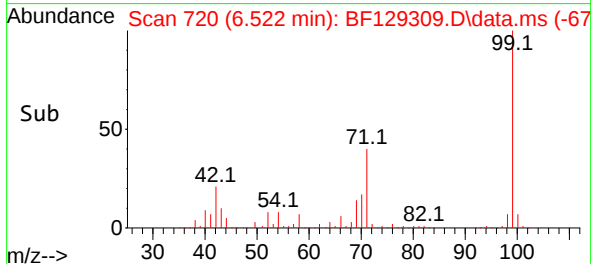
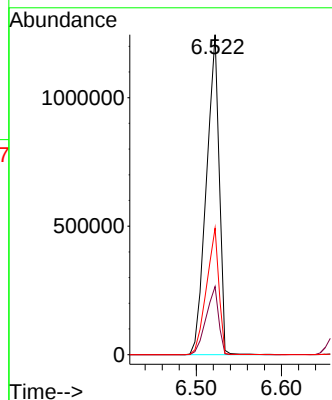
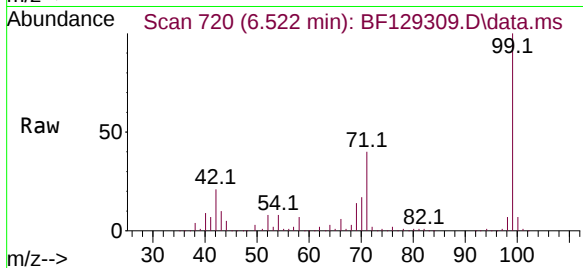
BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion: 99 Resp: 1303426

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.3	25.9
71	39.6	28.9	43.3



#8

2-Chlorophenol

Concen: 3.881 ng

RT: 6.675 min Scan# 746

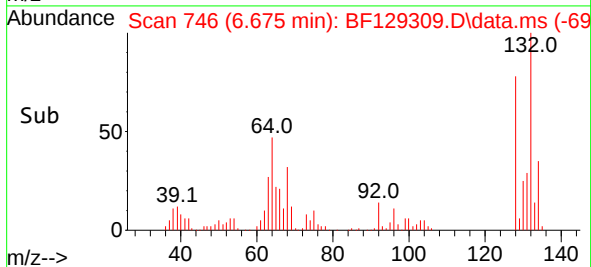
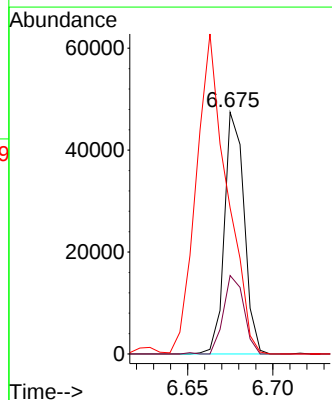
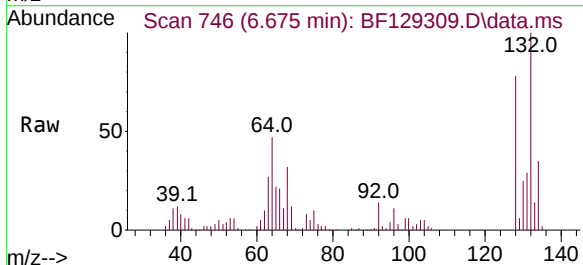
Delta R.T. -0.006 min

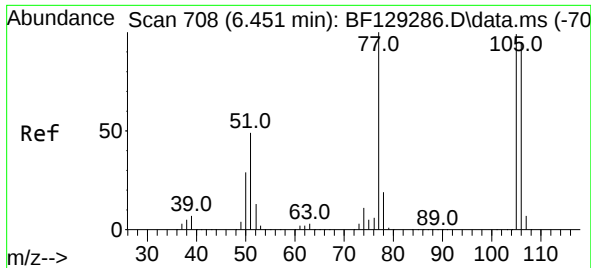
Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Tgt Ion:128 Resp: 38079

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.1	53.1
64	60.5	30.9	70.9

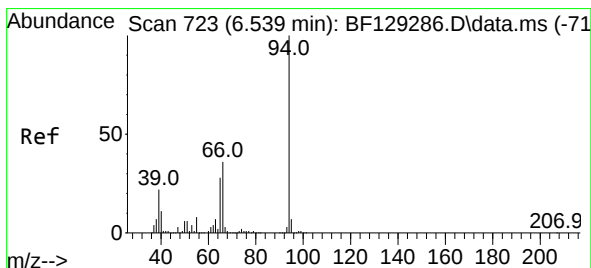
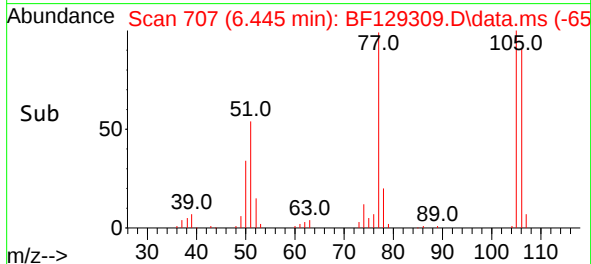
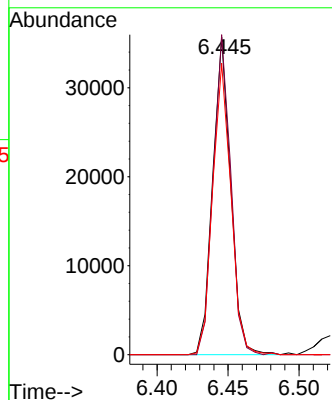
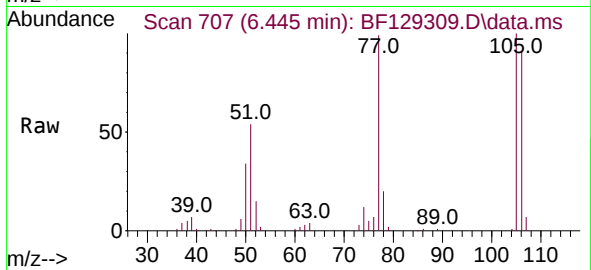




#9
Benzaldehyde
Concen: 4.009 ng
RT: 6.445 min Scan# 708
Delta R.T. -0.006 min
Lab File: BF129309.D
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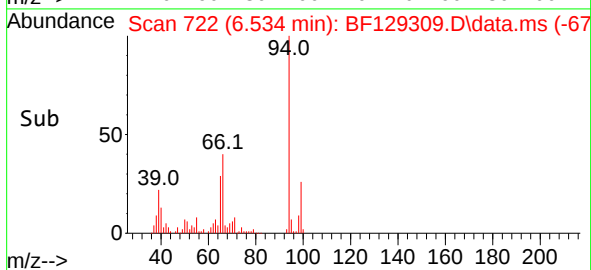
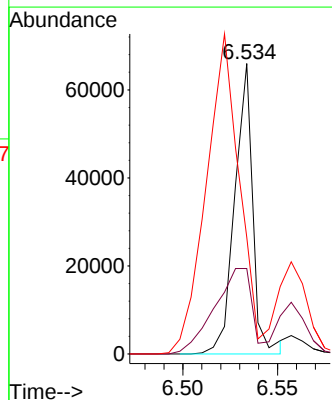
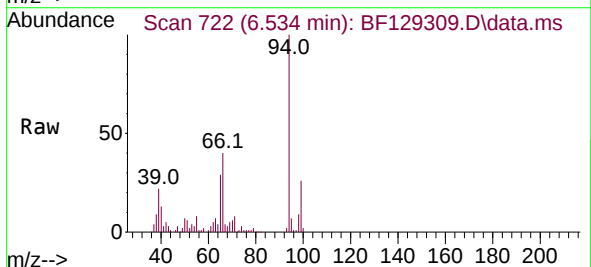
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Tgt Ion: 77 Resp: 31380
Ion Ratio Lower Upper
77 100
105 100.8 81.6 121.6
106 91.8 76.1 116.1



#10
Phenol
Concen: 3.653 ng
RT: 6.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BF129309.D
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Tgt Ion: 94 Resp: 43810
Ion Ratio Lower Upper
94 100
65 29.4 11.4 51.4
66 40.2 21.4 61.4

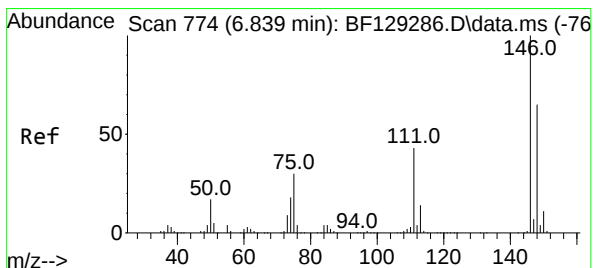
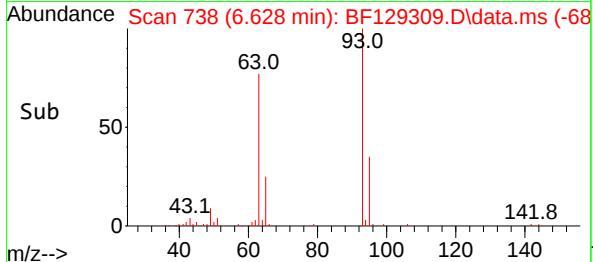
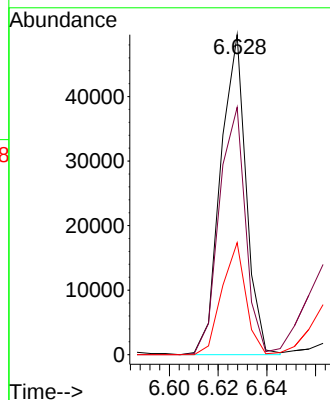
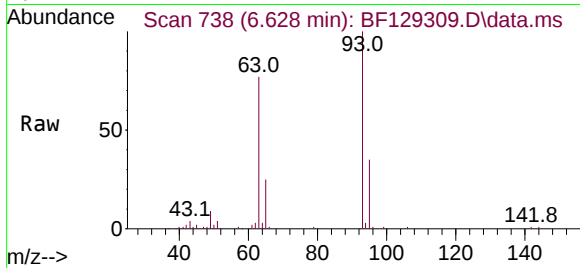




#11
bis(2-Chloroethyl)ether
Concen: 3.803 ng
RT: 6.628 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

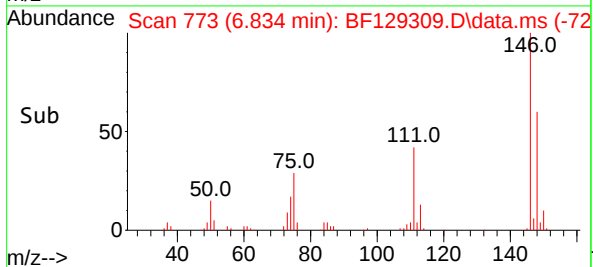
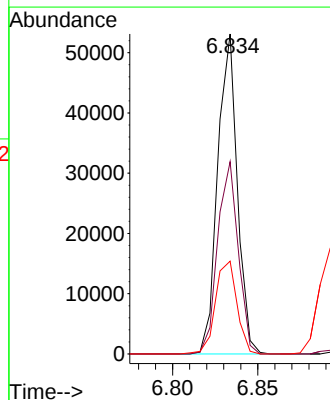
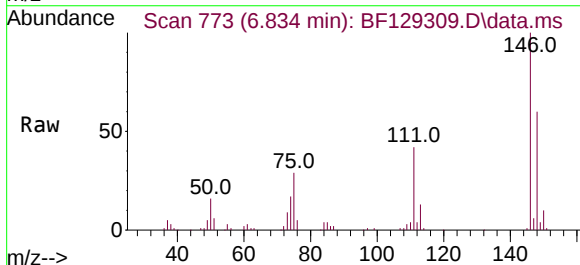
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

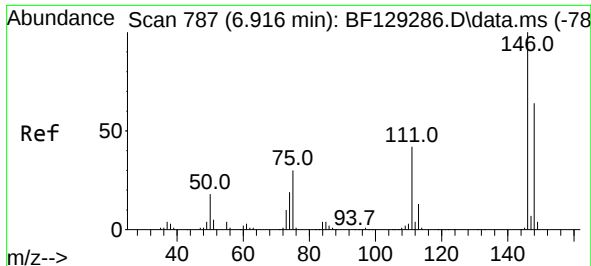
Tgt Ion: 93 Resp: 36098
Ion Ratio Lower Upper
93 100
63 77.3 67.4 107.4
95 35.0 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 4.014 ng
RT: 6.834 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion: 146 Resp: 42454
Ion Ratio Lower Upper
146 100
148 60.1 50.6 75.8
75 29.0 26.3 39.5





#13

1,4-Dichlorobenzene

Concen: 3.920 ng

RT: 6.910 min Scan# 787

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

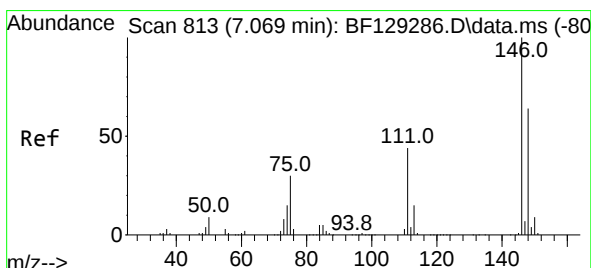
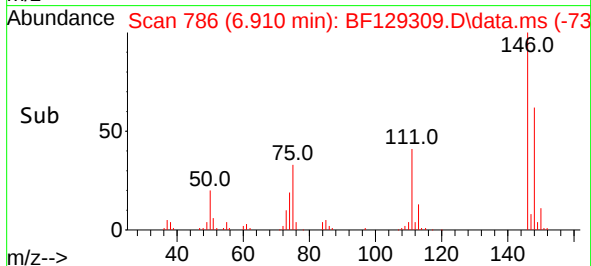
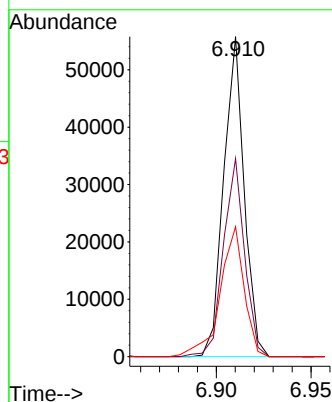
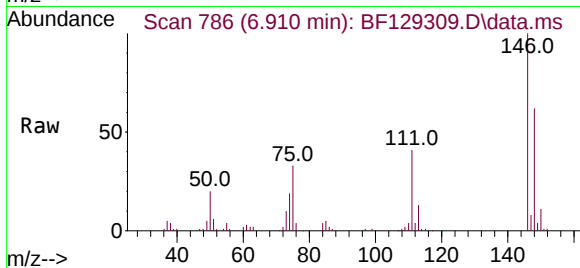
Tgt Ion:146 Resp: 41952

Ion Ratio Lower Upper

146 100

148 61.9 51.1 76.7

111 40.6 34.2 51.4



#14

1,2-Dichlorobenzene

Concen: 3.985 ng

RT: 7.063 min Scan# 812

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

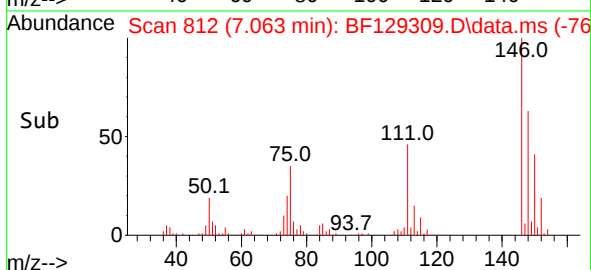
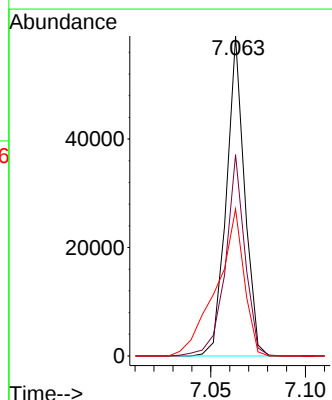
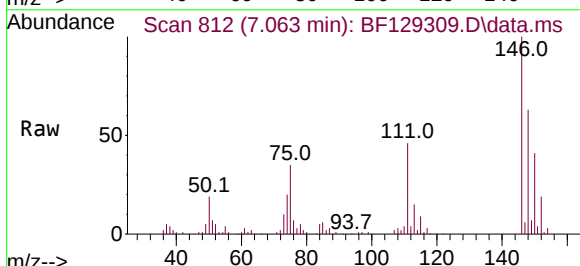
Tgt Ion:146 Resp: 39406

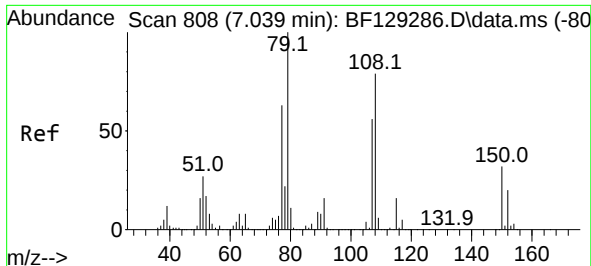
Ion Ratio Lower Upper

146 100

148 62.9 51.8 77.8

111 46.0 35.1 52.7

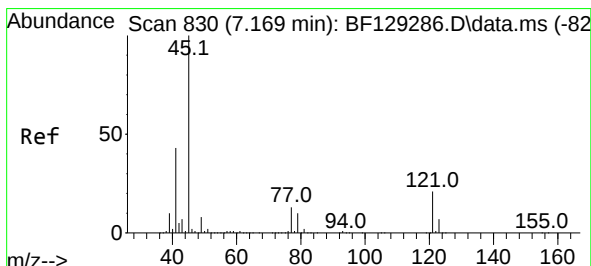
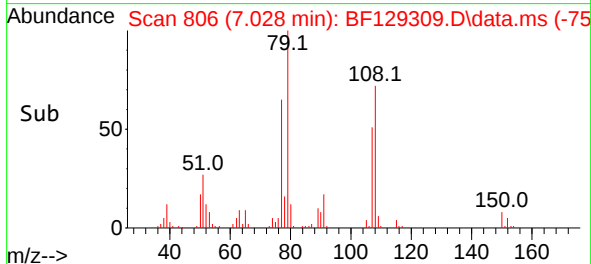
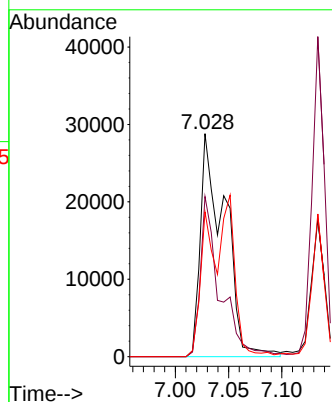
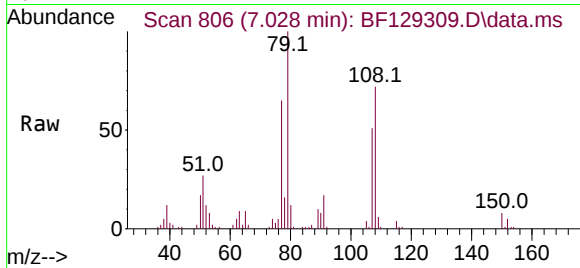




#15
Benzyl Alcohol
Concen: 5.564 ng
RT: 7.028 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

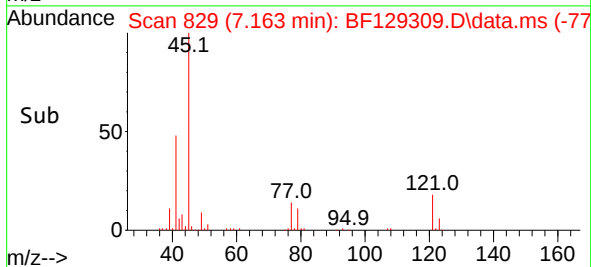
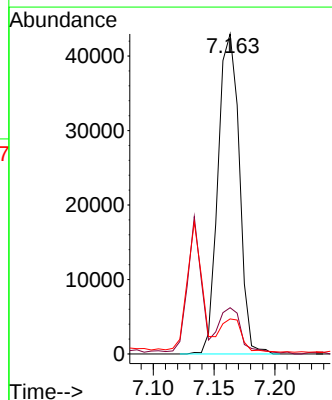
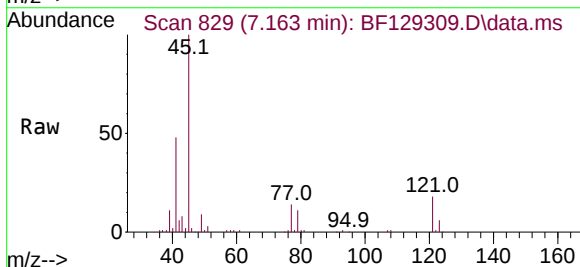
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

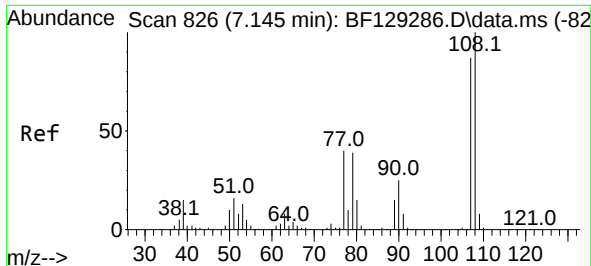
Tgt Ion: 79 Resp: 46061
Ion Ratio Lower Upper
79 100
108 71.8 61.8 92.6
77 64.9 50.2 75.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 3.613 ng
RT: 7.163 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion: 45 Resp: 52284
Ion Ratio Lower Upper
45 100
77 14.5 0.0 31.3
79 11.0 0.0 28.3

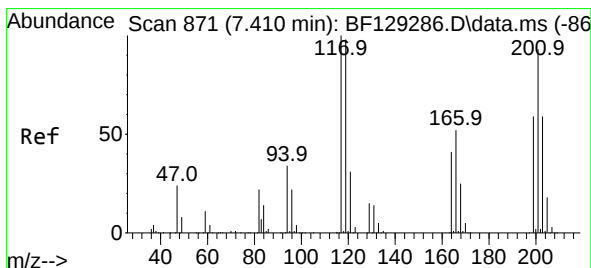
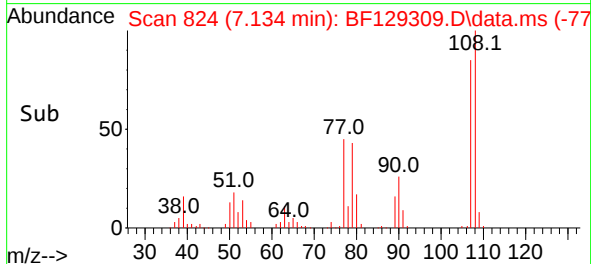
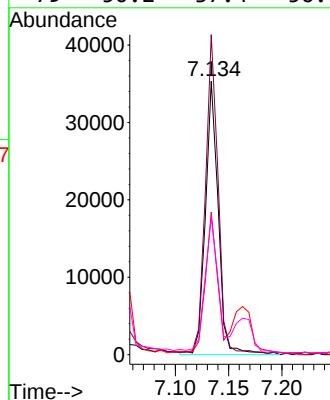
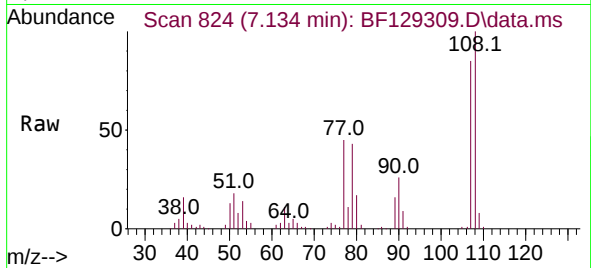




#17
2-Methylphenol
Concen: 3.730 ng
RT: 7.134 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

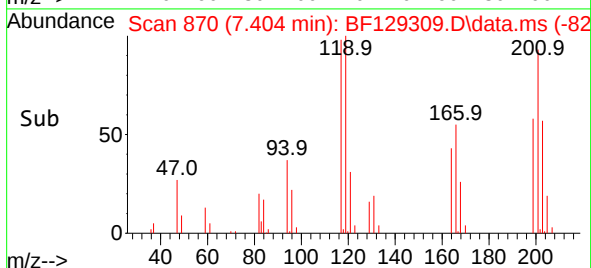
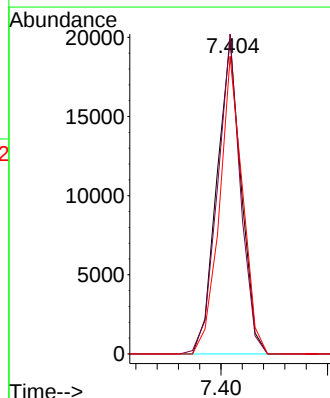
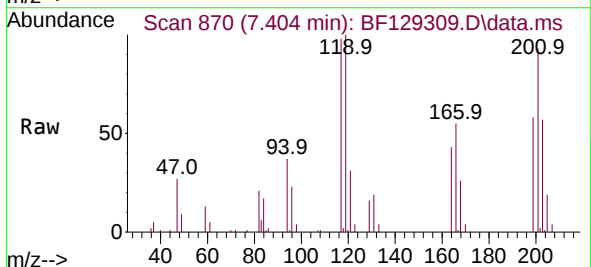
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

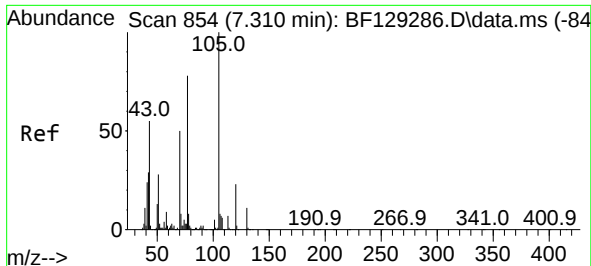
Tgt Ion:107	Resp:	29830
Ion	Ratio	Lower Upper
107	100	
108	117.0	91.9 137.9
77	52.2	37.8 56.8
79	50.2	37.4 56.0



#18
Hexachloroethane
Concen: 3.909 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:117	Resp:	15695
Ion	Ratio	Lower Upper
117	100	
119	101.7	77.4 116.2
201	94.6	84.6 127.0

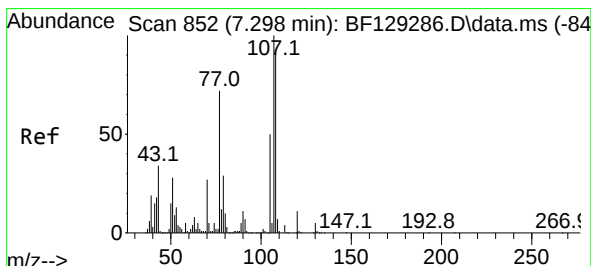
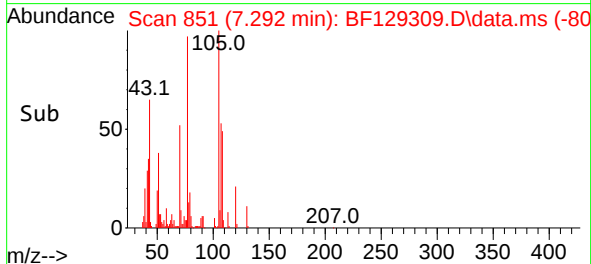
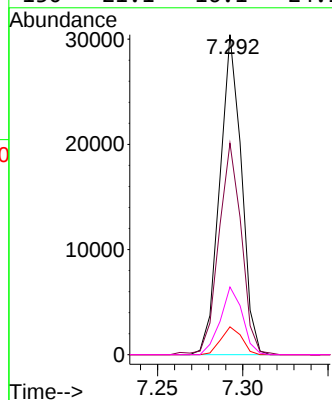
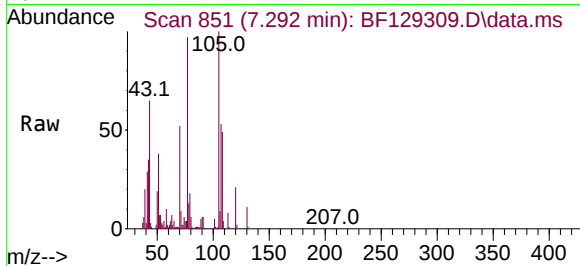




#19
n-Nitroso-di-n-propylamine
Concen: 3.956 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.017 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

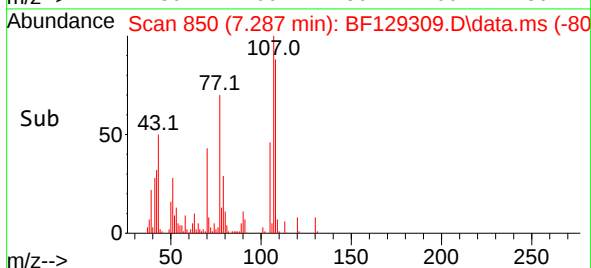
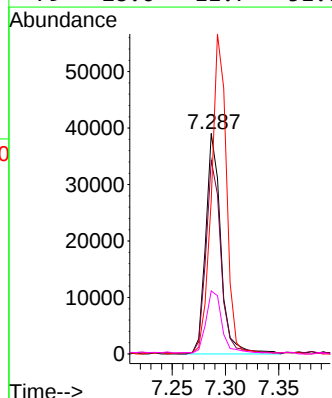
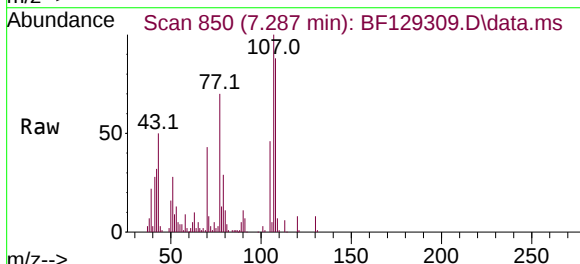
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

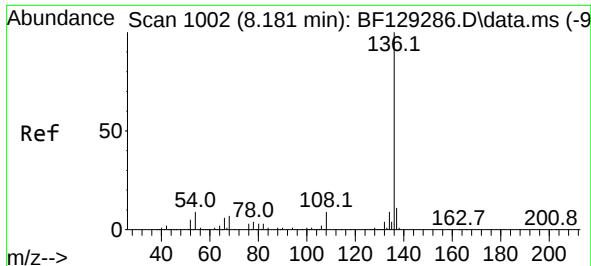
Tgt Ion:	70	Resp:	26898
Ion	Ratio	Lower	Upper
70	100		
42	66.1	52.3	78.5
101	8.7	7.5	11.3
130	21.1	16.1	24.1



#20
3+4-Methylphenols
Concen: 3.703 ng
RT: 7.287 min Scan# 850
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:	107	Resp:	38620
Ion	Ratio	Lower	Upper
107	100		
108	87.8	71.8	111.8
77	69.7	59.3	99.3
79	28.6	11.7	51.7

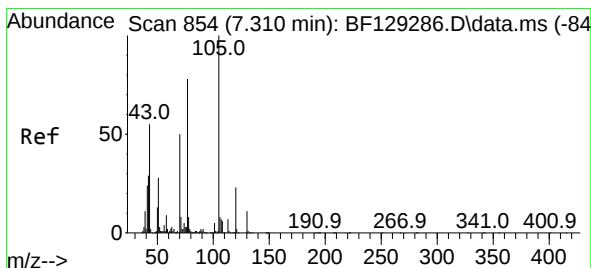
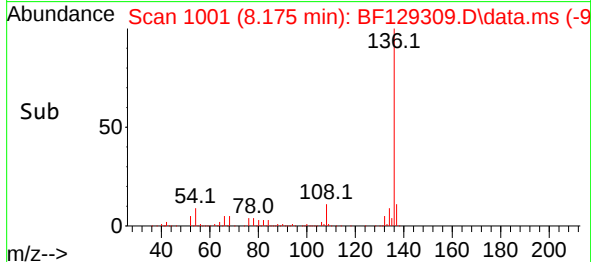
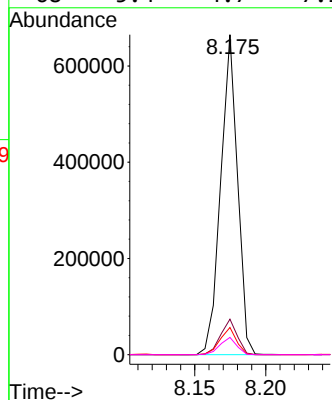
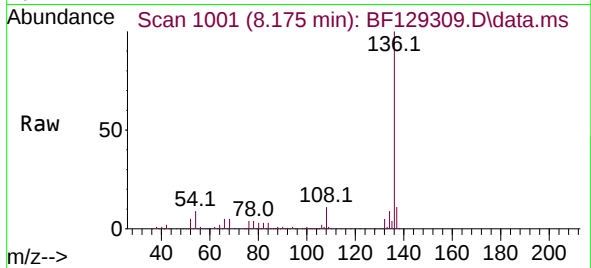




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

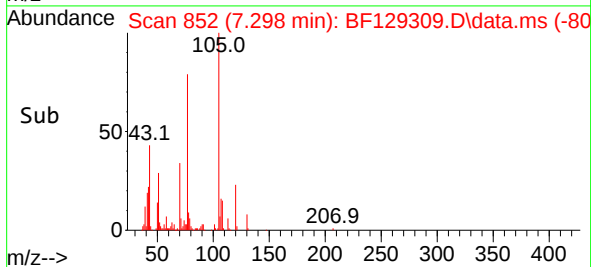
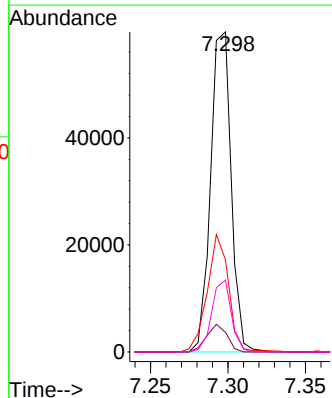
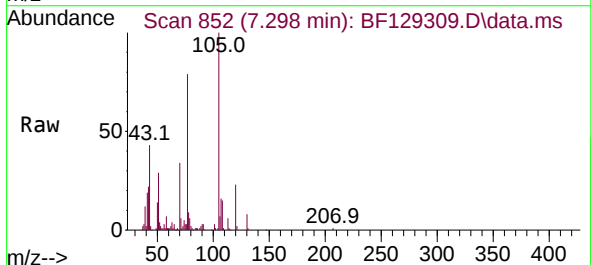
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

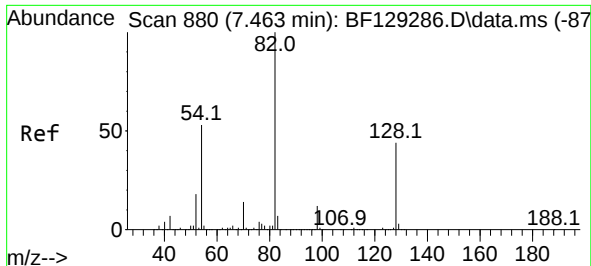
Tgt	Ion:136	Resp:	547629
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.5	7.5	11.3
68	5.4	4.7	7.1



#22
Acetophenone
Concen: 4.297 ng
RT: 7.298 min Scan# 852
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt	Ion:105	Resp:	55249
Ion	Ratio	Lower	Upper
105	100		
71	6.1	5.0	7.4
51	28.8	25.0	37.4
120	22.5	17.8	26.8





#23

Nitrobenzene-d5

Concen: 91.493 ng

RT: 7.457 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

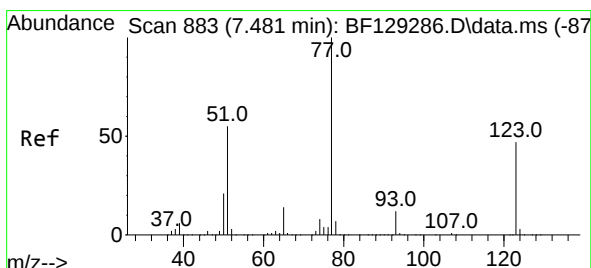
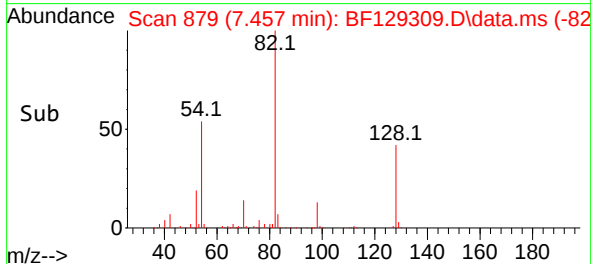
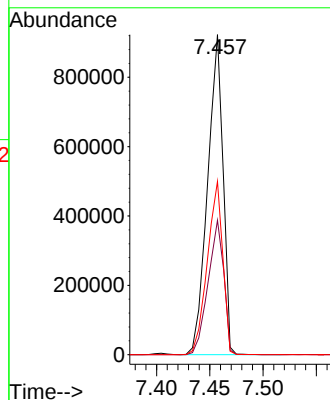
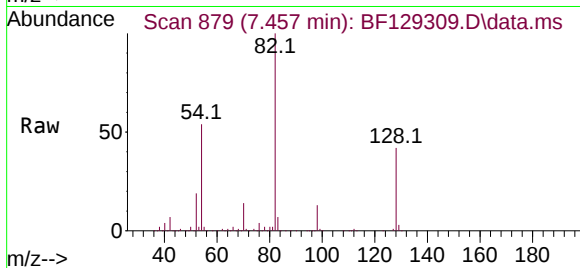
Tgt Ion: 82 Resp: 931313

Ion Ratio Lower Upper

82 100

128 42.0 34.0 51.0

54 54.2 46.9 70.3



#24

Nitrobenzene

Concen: 4.270 ng

RT: 7.475 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

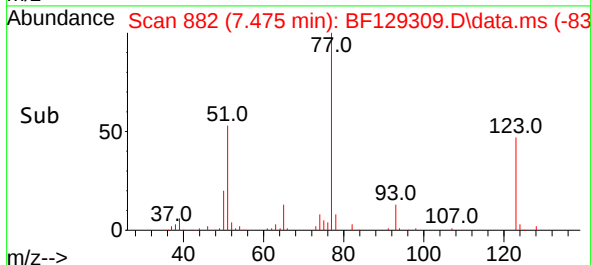
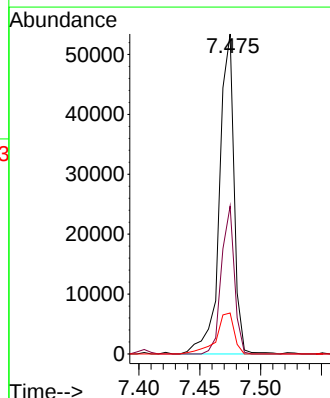
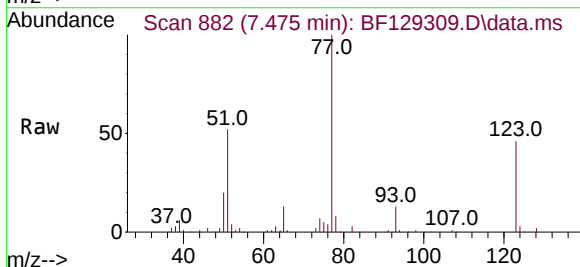
Tgt Ion: 77 Resp: 44763

Ion Ratio Lower Upper

77 100

123 46.2 35.4 53.2

65 12.8 11.8 17.8

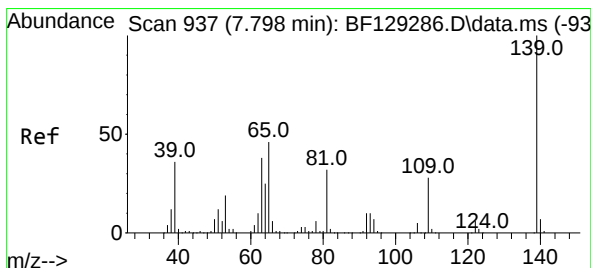
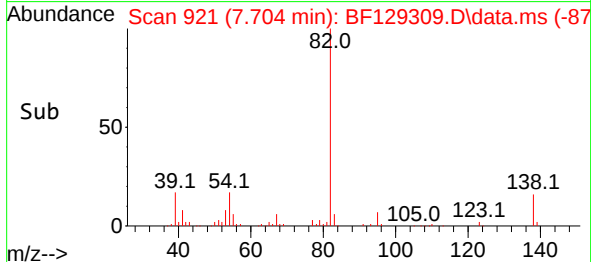
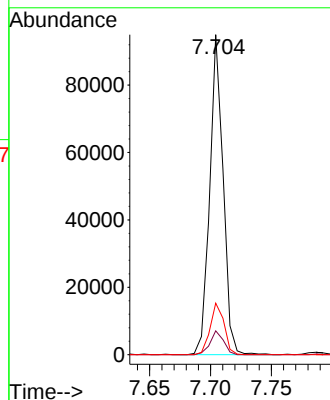
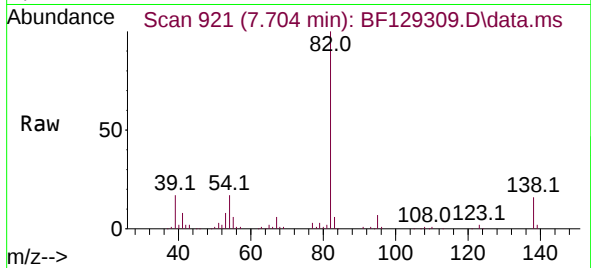




#25
Isophorone
Concen: 4.070 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

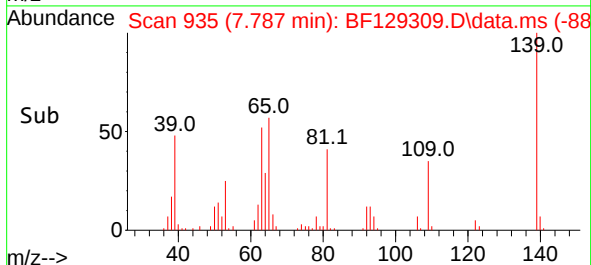
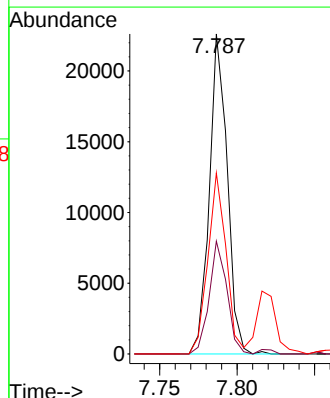
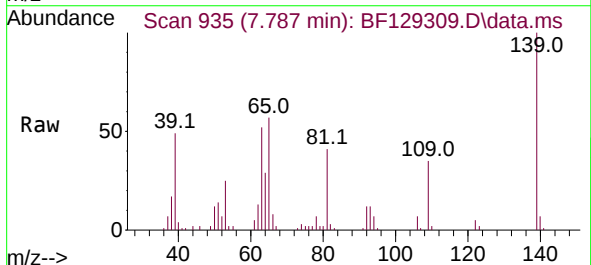
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

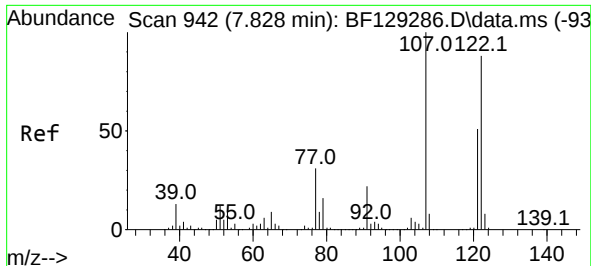
Tgt Ion: 82 Resp: 72739
Ion Ratio Lower Upper
82 100
95 7.5 5.7 8.5
138 16.1 14.2 21.2



#26
2-Nitrophenol
Concen: 3.583 ng
RT: 7.787 min Scan# 935
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion: 139 Resp: 18125
Ion Ratio Lower Upper
139 100
109 35.3 25.0 37.4
65 56.6 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 4.187 ng

RT: 7.816 min Scan# 94

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

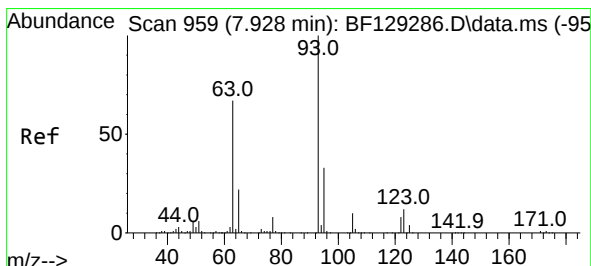
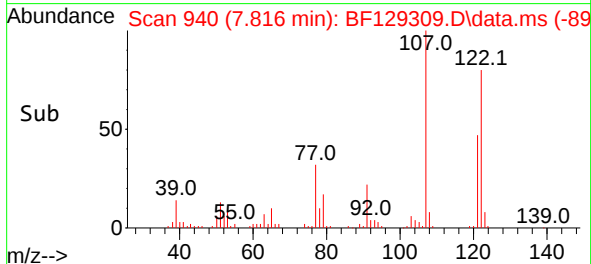
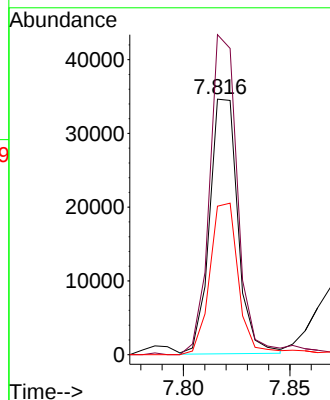
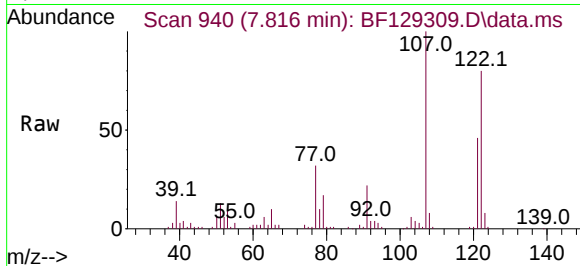
Tgt Ion:122 Resp: 31864

Ion Ratio Lower Upper

122 100

107 125.2 93.0 139.6

121 58.1 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 4.250 ng

RT: 7.916 min Scan# 957

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

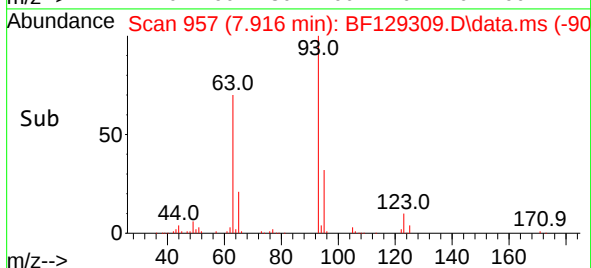
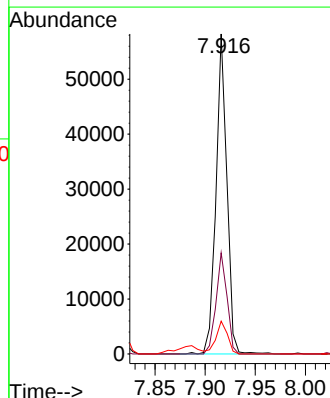
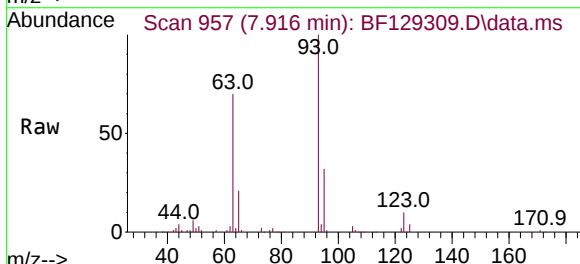
Tgt Ion: 93 Resp: 44000

Ion Ratio Lower Upper

93 100

95 31.6 26.8 40.2

123 10.2 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.853 ng

RT: 8.028 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

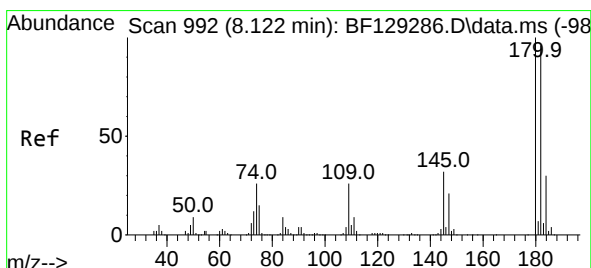
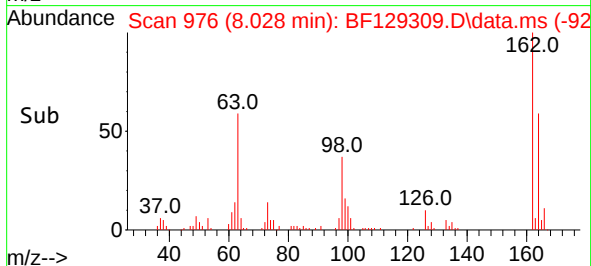
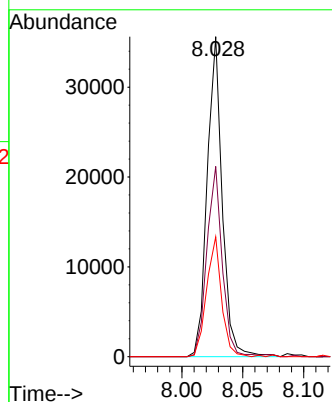
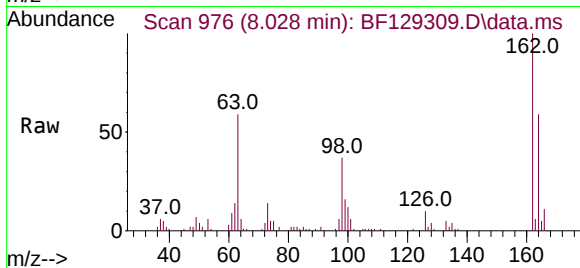
Tgt Ion:162 Resp: 30498

Ion Ratio Lower Upper

162 100

164 59.4 44.2 84.2

98 37.4 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 3.947 ng

RT: 8.116 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

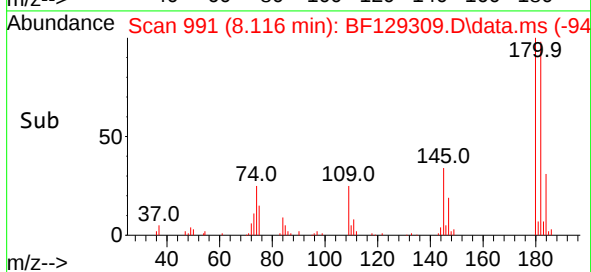
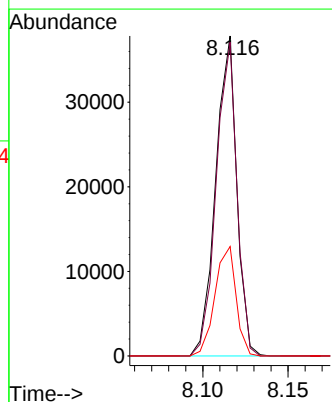
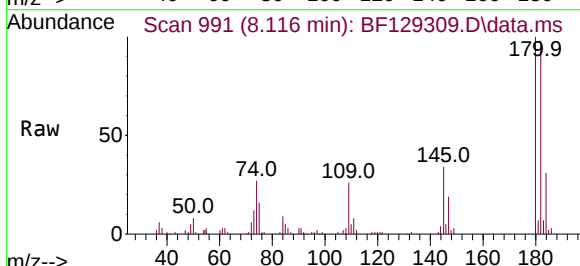
Tgt Ion:180 Resp: 32474

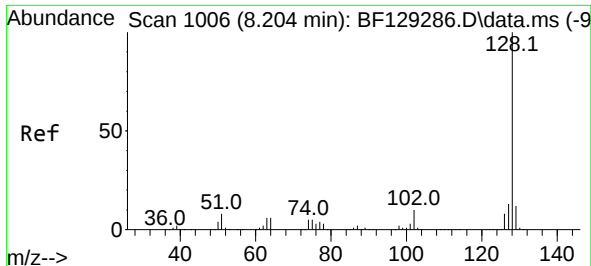
Ion Ratio Lower Upper

180 100

182 98.1 79.2 118.8

145 34.2 26.2 39.2





#31

Naphthalene

Concen: 3.989 ng

RT: 8.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

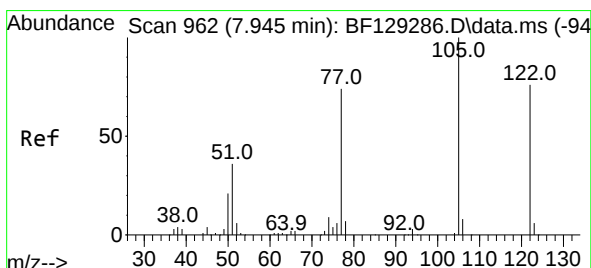
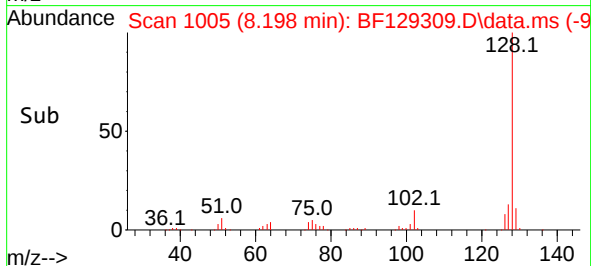
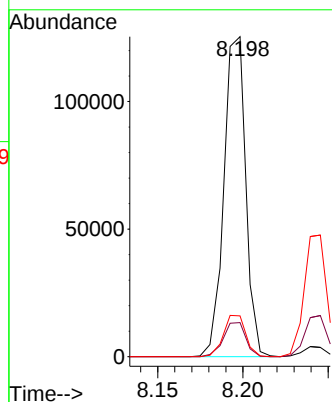
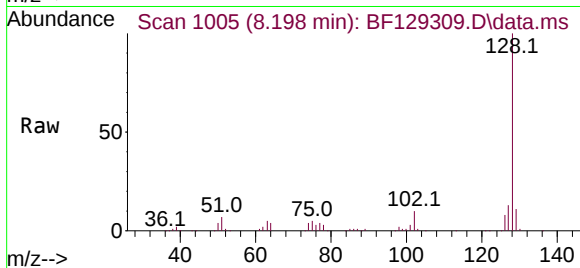
Tgt Ion:128 Resp: 112033

Ion Ratio Lower Upper

128 100

129 10.6 9.2 13.8

127 12.8 10.5 15.7



#32

Benzoic acid

Concen: 5.403 ng

RT: 7.887 min Scan# 952

Delta R.T. -0.059 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

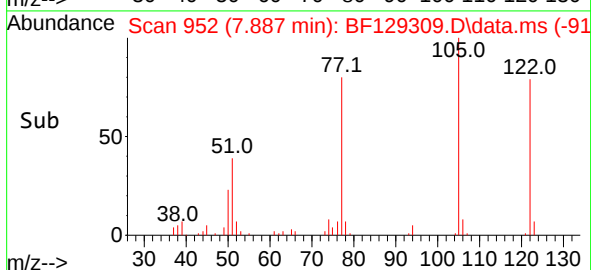
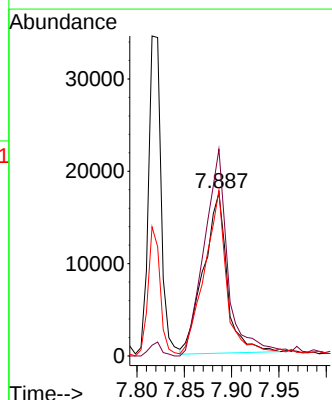
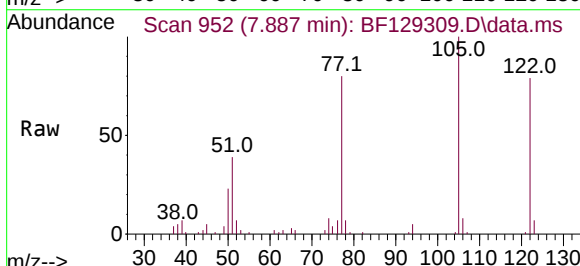
Tgt Ion:122 Resp: 30057

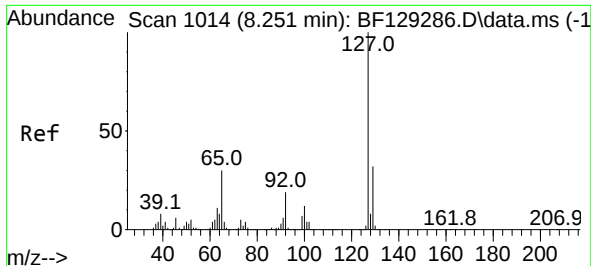
Ion Ratio Lower Upper

122 100

105 126.9 107.1 147.1

77 101.5 74.2 114.2

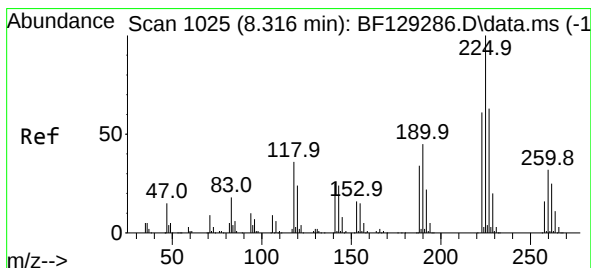
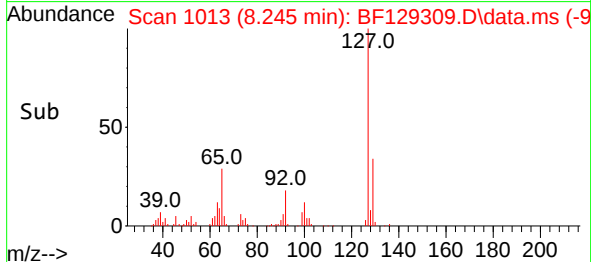
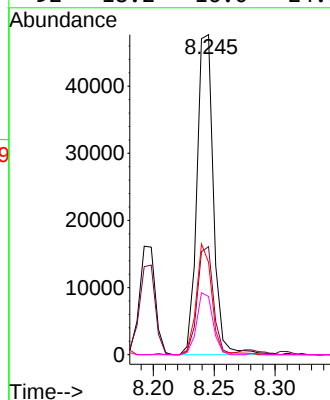
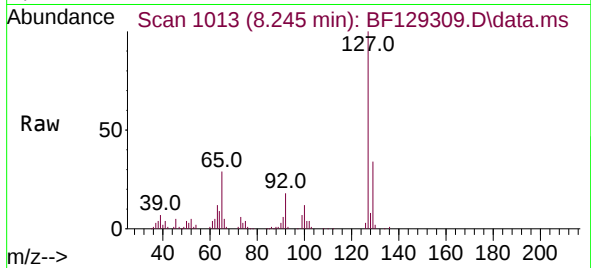




#33
4-Chloroaniline
Concen: 3.941 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

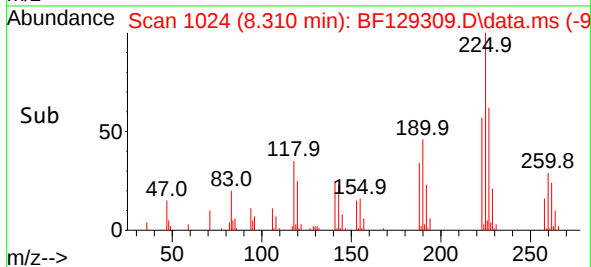
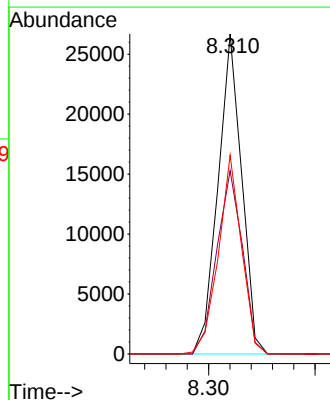
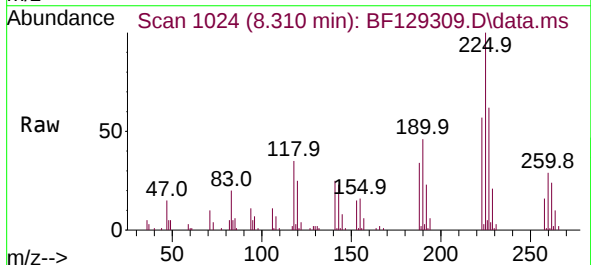
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

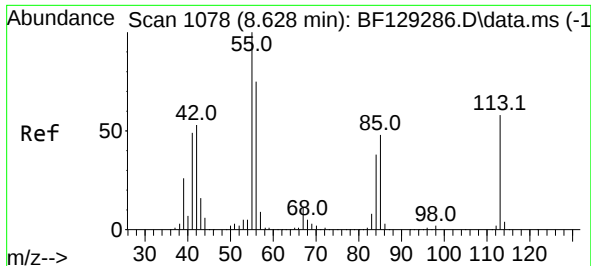
Tgt Ion:127	Resp:	45148
Ion Ratio	Lower	Upper
127	100	
129	33.8	26.4 39.6
65	28.9	26.4 39.6
92	18.2	16.0 24.0



#34
Hexachlorobutadiene
Concen: 4.377 ng
RT: 8.310 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:225	Resp:	20582
Ion Ratio	Lower	Upper
225	100	
223	57.3	51.0 76.6
227	62.2	51.1 76.7

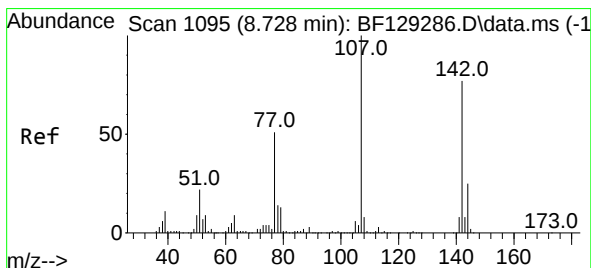
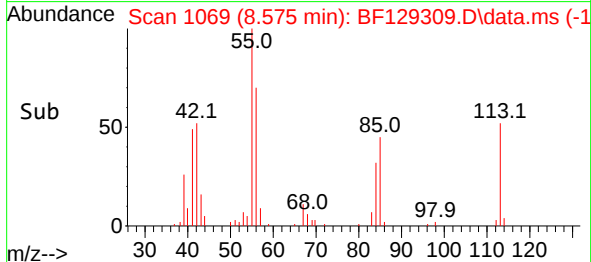
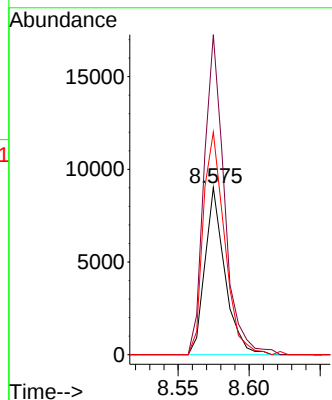
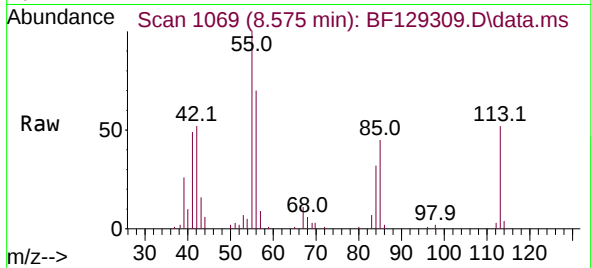




#35
 Caprolactam
 Concen: 3.500 ng
 RT: 8.575 min Scan# 1069
 Delta R.T. -0.053 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24

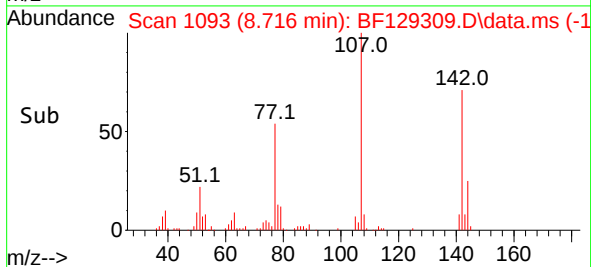
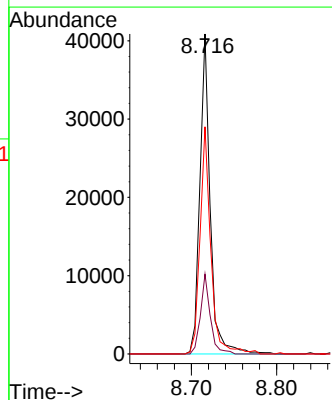
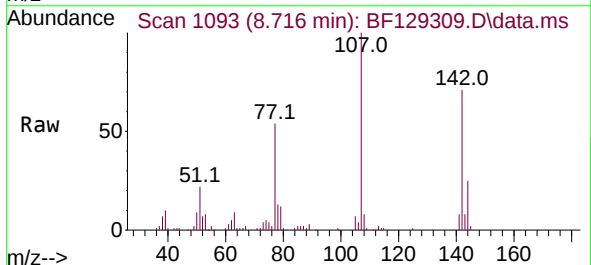
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

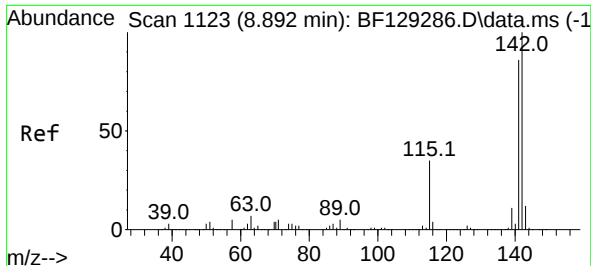
Tgt Ion:113 Resp: 8835
 Ion Ratio Lower Upper
 113 100
 55 191.3 188.5 228.5
 56 133.1 130.6 170.6



#36
 4-Chloro-3-methylphenol
 Concen: 4.108 ng
 RT: 8.716 min Scan# 1093
 Delta R.T. -0.012 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24

Tgt Ion:107 Resp: 34543
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.5 29.3
 142 71.0 58.2 87.4

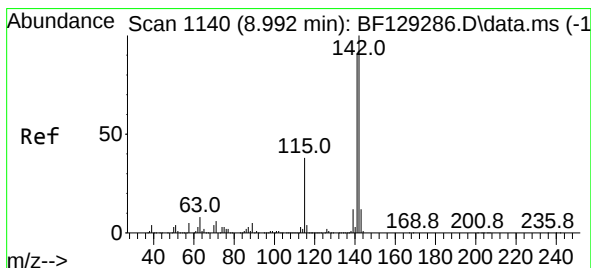
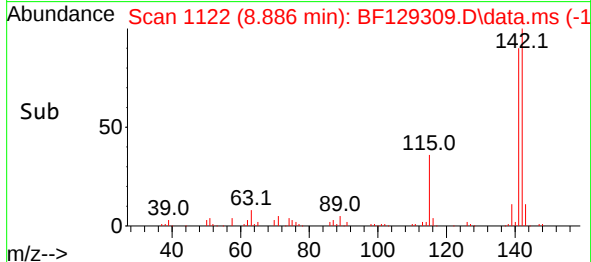
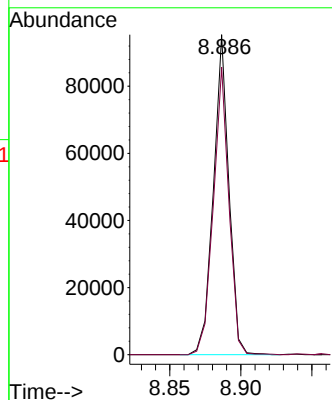
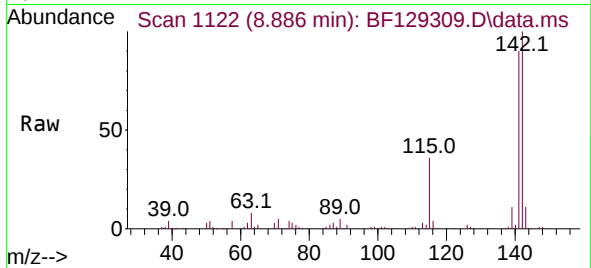




#37
2-Methylnaphthalene
Concen: 3.983 ng
RT: 8.886 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

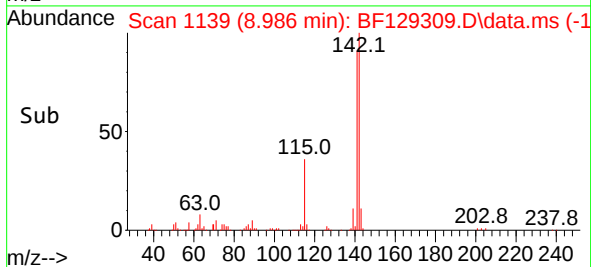
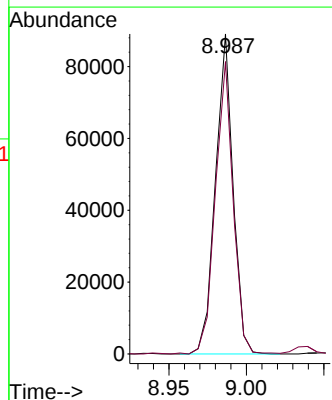
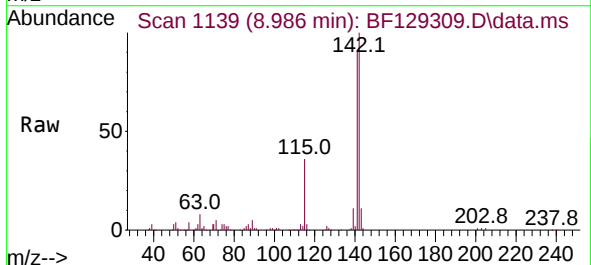
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

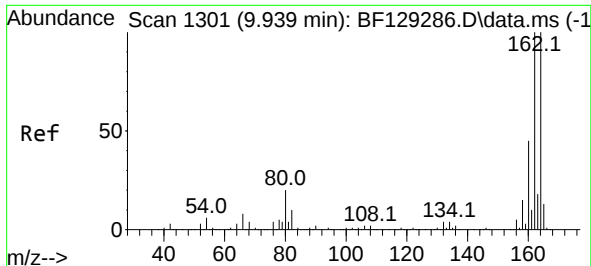
Tgt Ion:142 Resp: 72493
Ion Ratio Lower Upper
142 100
141 89.9 71.0 106.4



#38
1-Methylnaphthalene
Concen: 3.993 ng
RT: 8.986 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:142 Resp: 70312
Ion Ratio Lower Upper
142 100
141 91.3 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129309.D

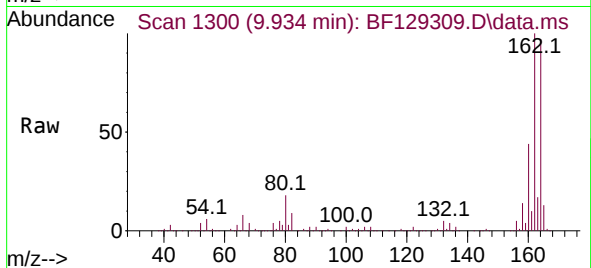
Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022



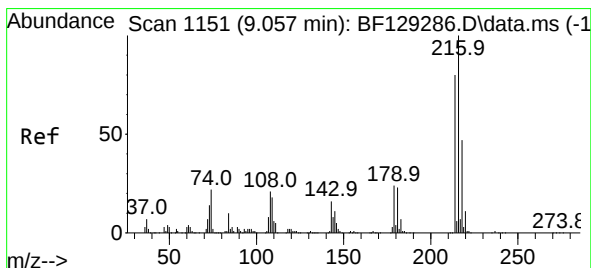
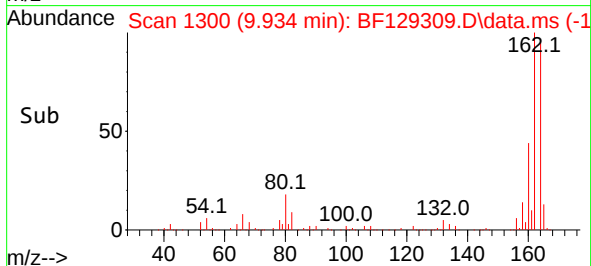
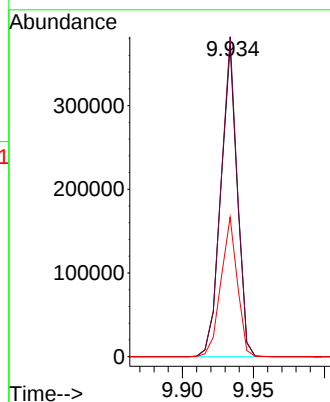
Tgt Ion:164 Resp: 297946

Ion Ratio Lower Upper

164 100

162 102.9 79.5 119.3

160 44.9 34.2 51.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.194 ng

RT: 9.051 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Tgt Ion:216 Resp: 32804

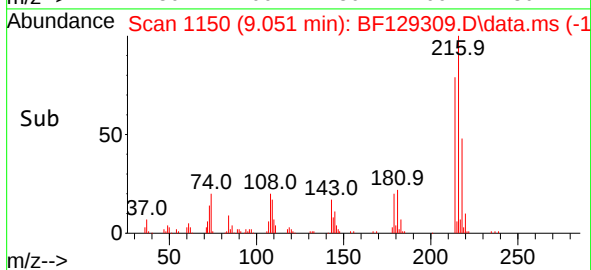
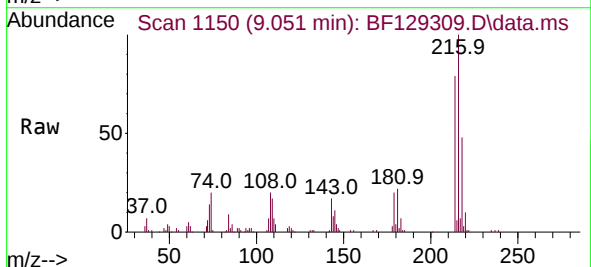
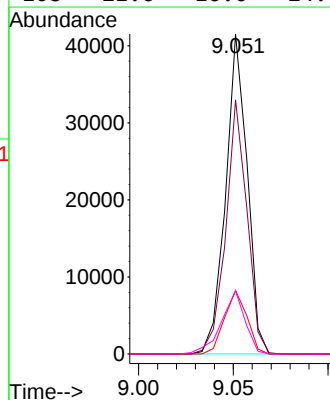
Ion Ratio Lower Upper

216 100

214 78.1 63.6 95.4

179 20.8 17.0 25.6

108 21.6 16.0 24.0

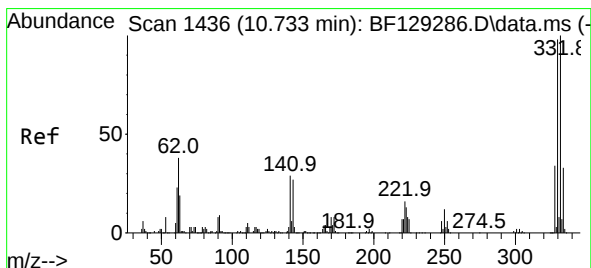
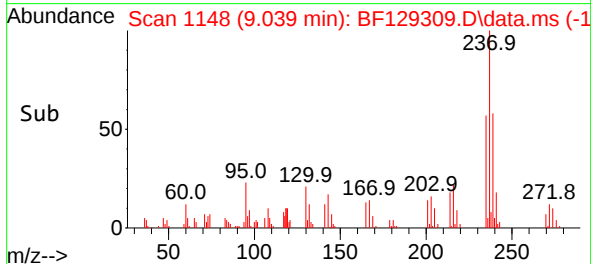
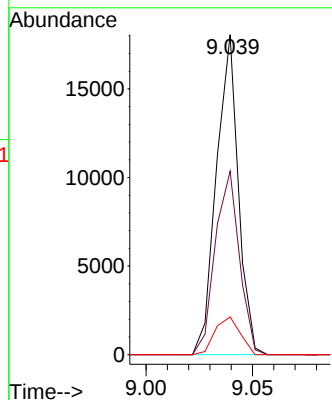
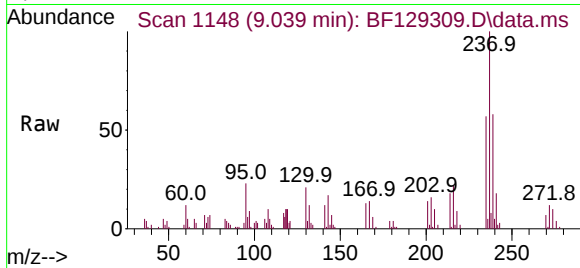




#41
Hexachlorocyclopentadiene
Concen: 3.757 ng
RT: 9.039 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

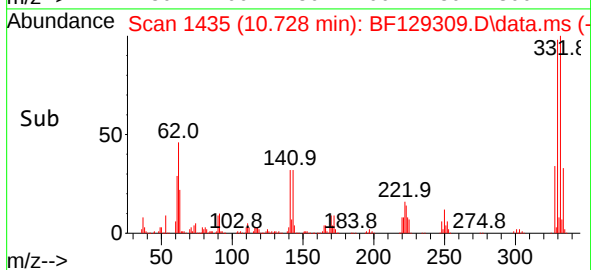
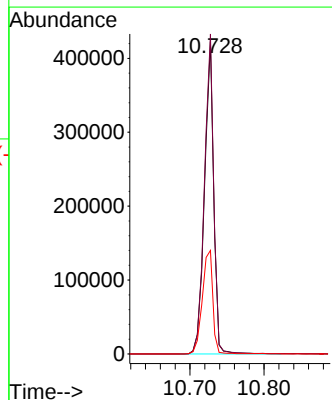
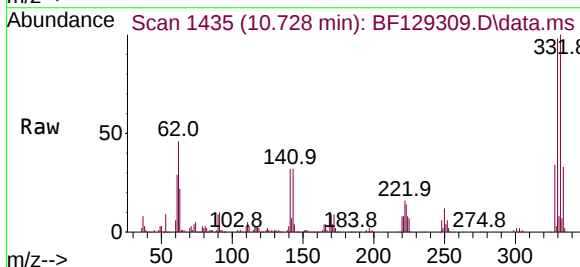
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

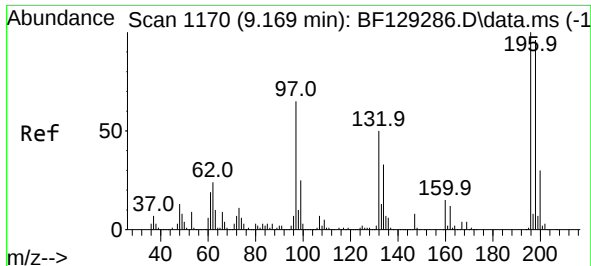
Tgt Ion:237	Resp:	12952
Ion Ratio	Lower	Upper
237	100	
235	57.3	43.2 83.2
272	11.8	0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 127.529 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:330	Resp:	366591
Ion Ratio	Lower	Upper
330	100	
332	102.9	76.8 115.2
141	37.5	28.0 42.0





#43

2,4,6-Trichlorophenol

Concen: 3.725 ng

RT: 9.163 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

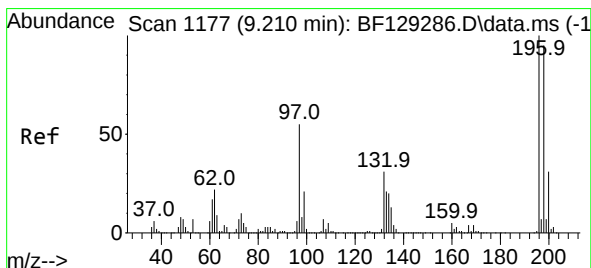
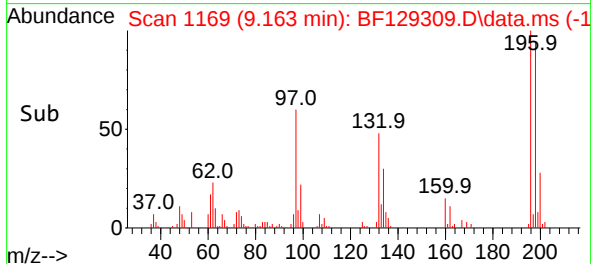
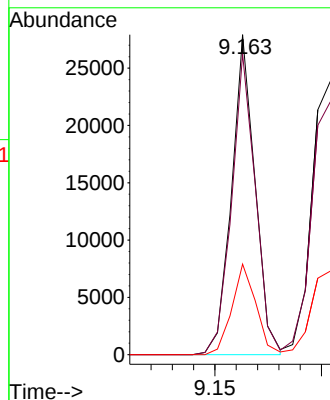
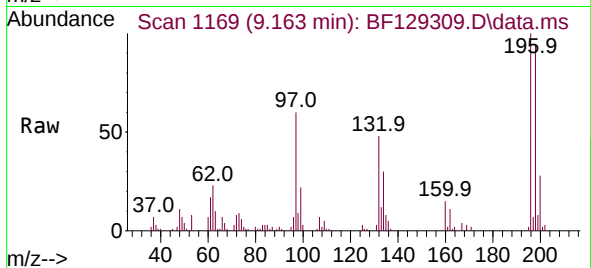
Tgt Ion:196 Resp: 21292

Ion Ratio Lower Upper

196 100

198 94.0 74.0 111.0

200 28.3 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 3.684 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Tgt Ion:196 Resp: 22846

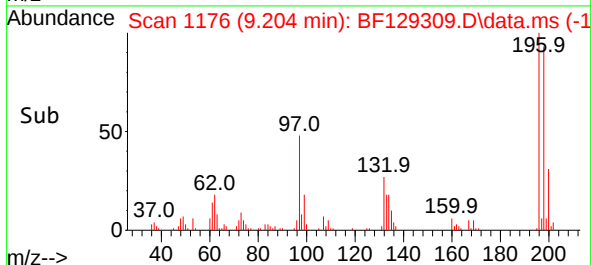
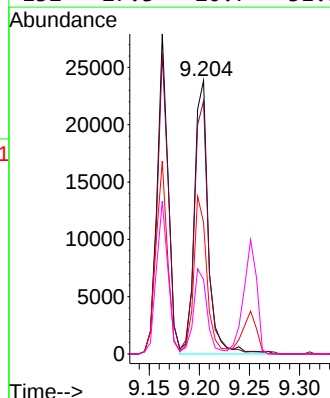
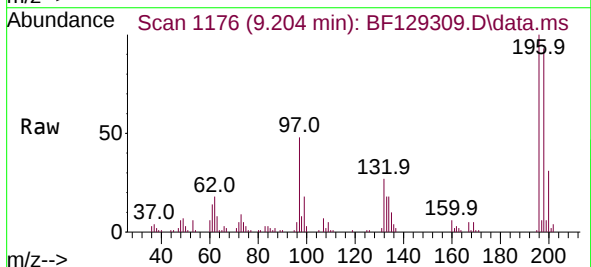
Ion Ratio Lower Upper

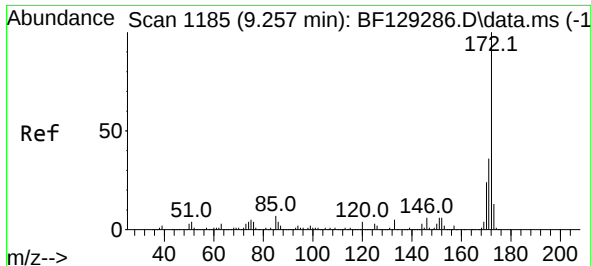
196 100

198 92.6 75.7 113.5

97 48.1 36.4 54.6

132 27.3 20.7 31.1

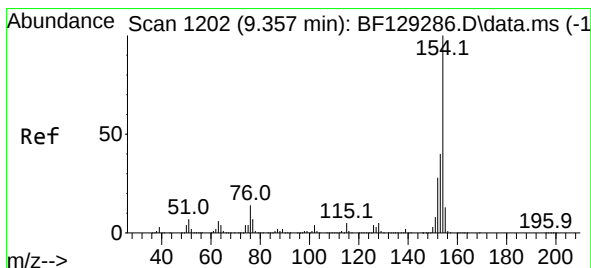
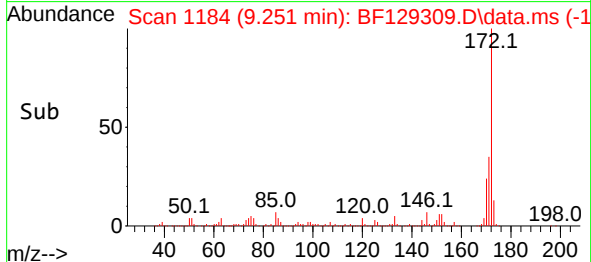
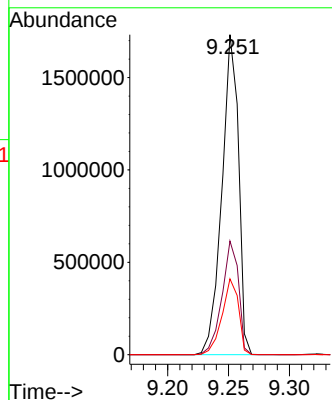
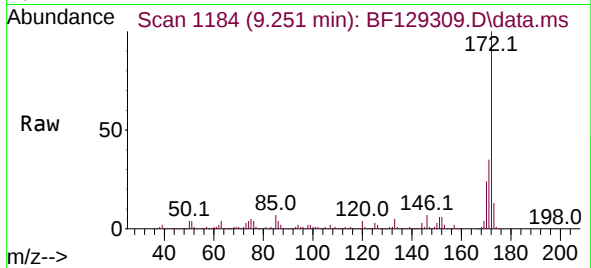




#45
2-Fluorobiphenyl
Concen: 85.081 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

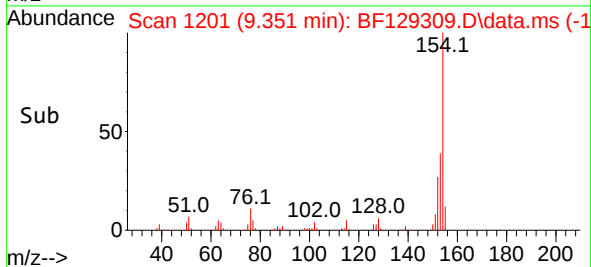
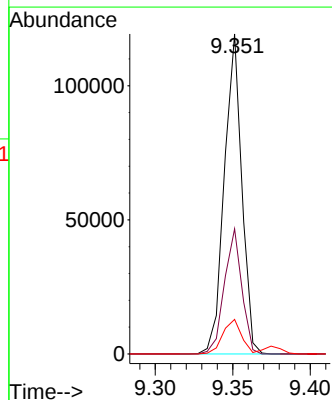
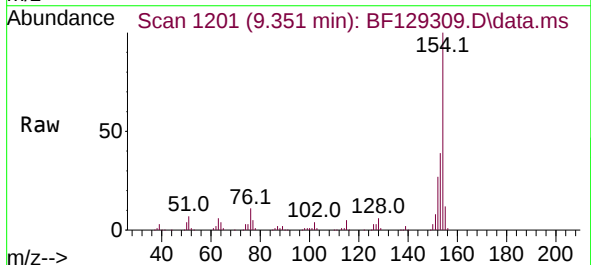
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

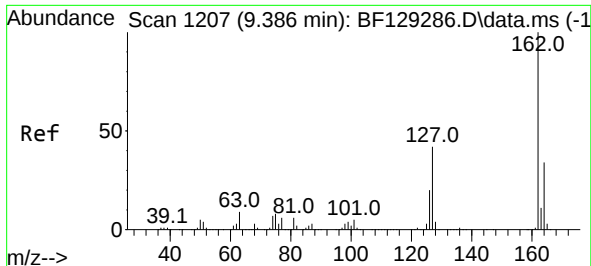
Tgt Ion:172 Resp: 1647824
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.7 19.8 29.8



#46
1,1'-Biphenyl
Concen: 4.246 ng
RT: 9.351 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:154 Resp: 93488
Ion Ratio Lower Upper
154 100
153 39.1 20.6 60.6
76 10.8 0.0 33.3





#47

2-Chloronaphthalene

Concen: 3.906 ng

RT: 9.375 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

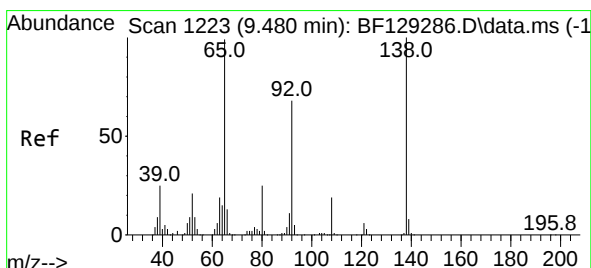
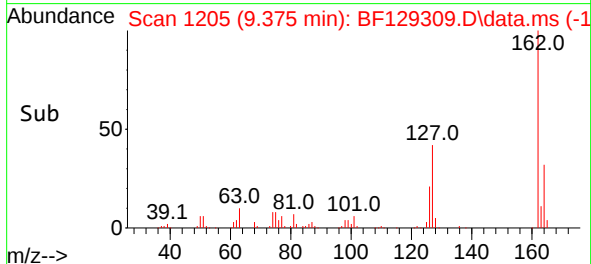
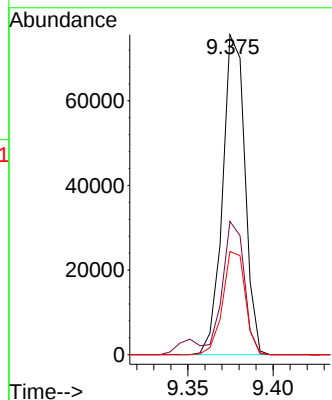
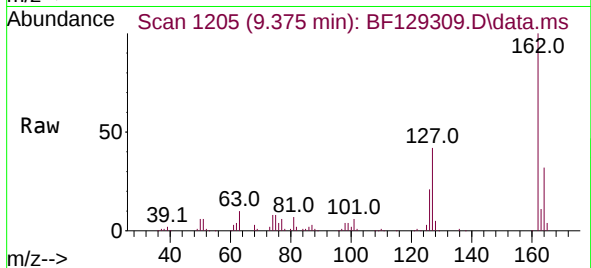
Tgt Ion:162 Resp: 68876

Ion Ratio Lower Upper

162 100

127 41.7 34.5 51.7

164 32.2 26.5 39.7



#48

2-Nitroaniline

Concen: 3.548 ng

RT: 9.469 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

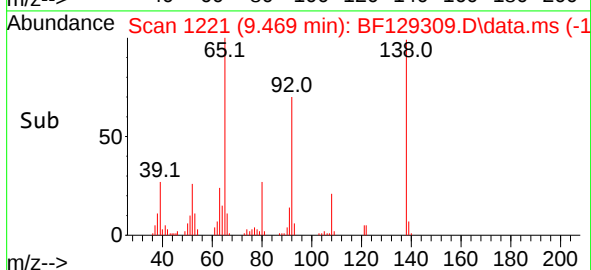
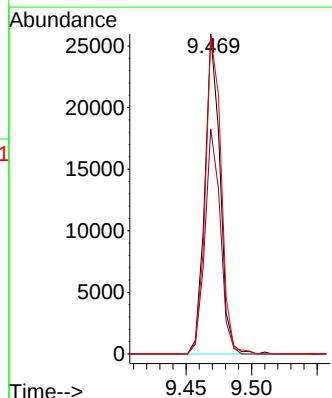
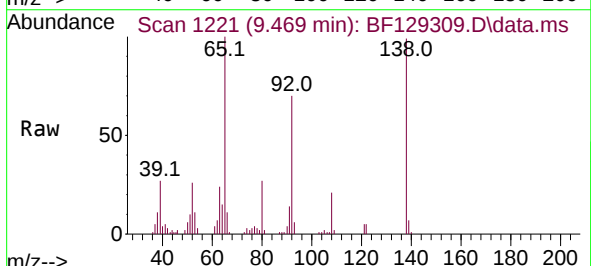
Tgt Ion: 65 Resp: 21016

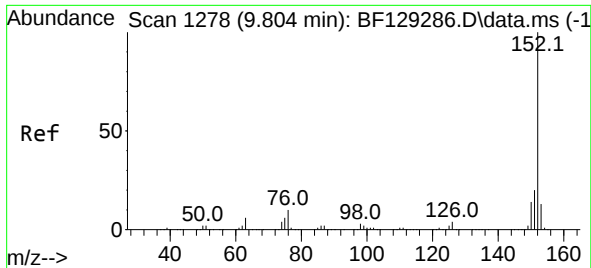
Ion Ratio Lower Upper

65 100

92 70.3 51.9 77.9

138 99.1 76.4 114.6

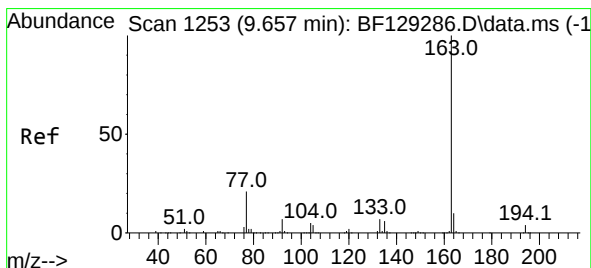
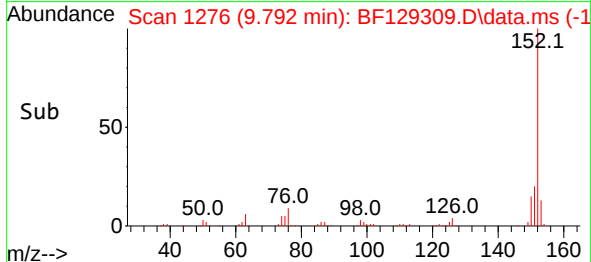
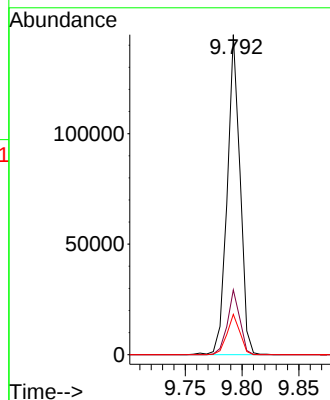
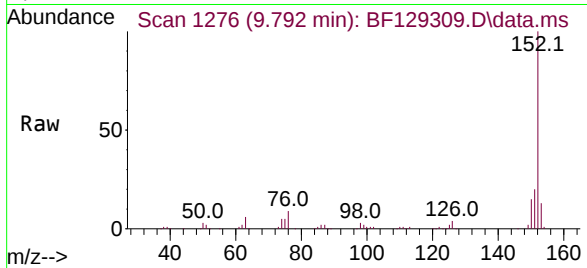




#49
Acenaphthylene
Concen: 4.207 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

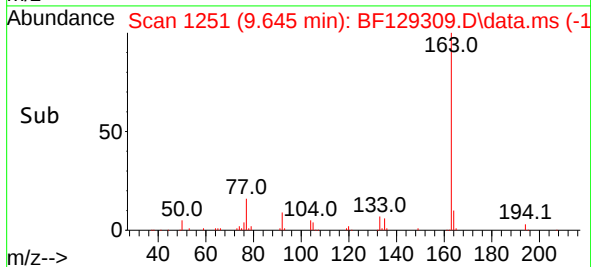
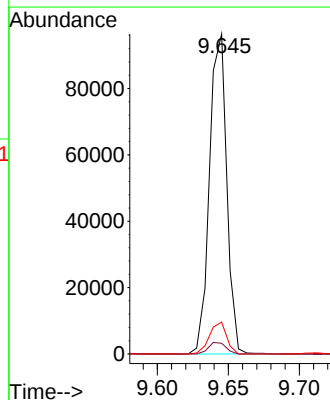
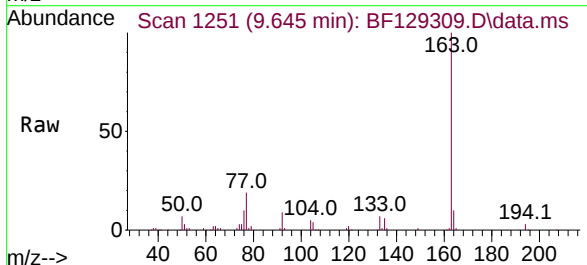
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

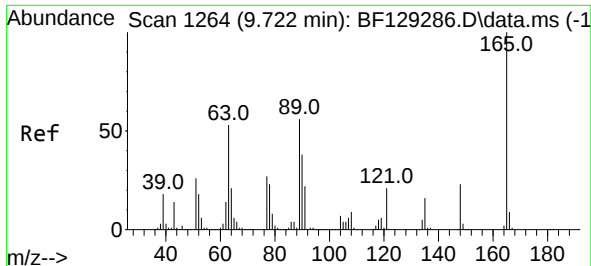
Tgt Ion:152 Resp: 113944
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 12.6 10.7 16.1



#50
Dimethylphthalate
Concen: 3.979 ng
RT: 9.645 min Scan# 1251
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:163 Resp: 81450
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 9.9 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 3.761 ng

RT: 9.710 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

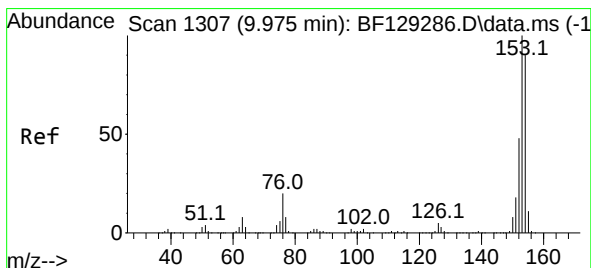
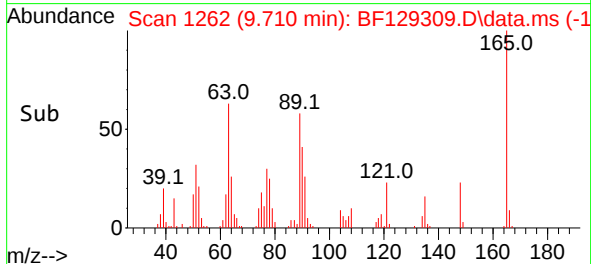
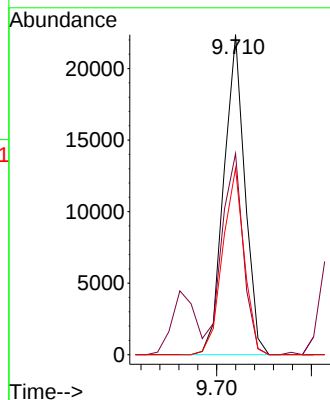
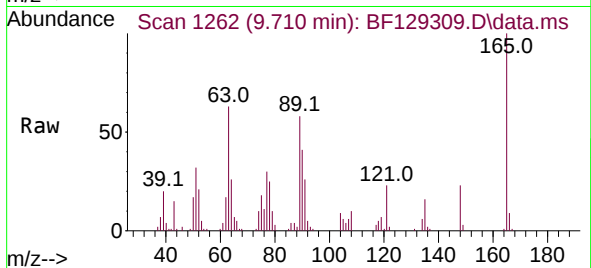
Tgt Ion:165 Resp: 17237

Ion Ratio Lower Upper

165 100

63 62.9 44.9 67.3

89 58.3 43.6 65.4



#52

Acenaphthene

Concen: 4.123 ng

RT: 9.963 min Scan# 1305

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

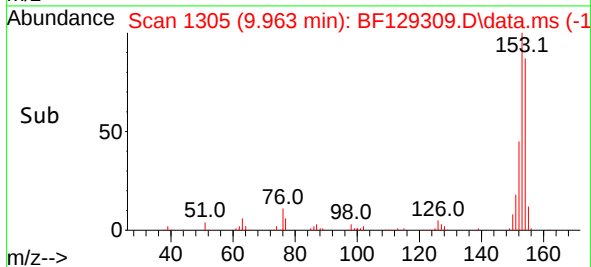
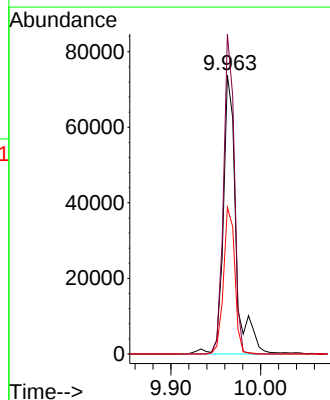
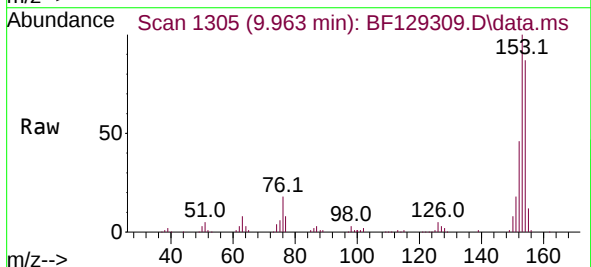
Tgt Ion:154 Resp: 72469

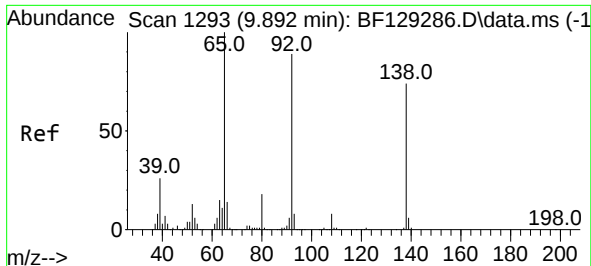
Ion Ratio Lower Upper

154 100

153 114.8 89.6 134.4

152 52.7 42.4 63.6

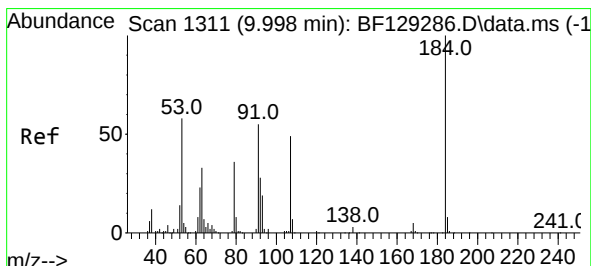
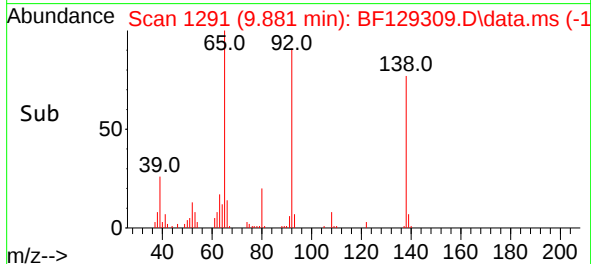
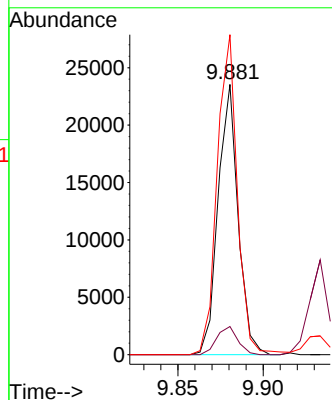
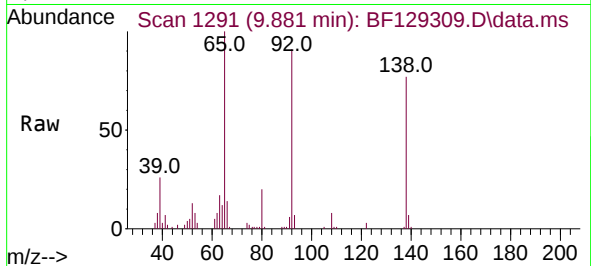




#53
3-Nitroaniline
Concen: 3.528 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

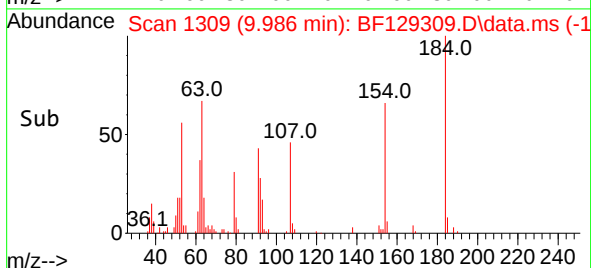
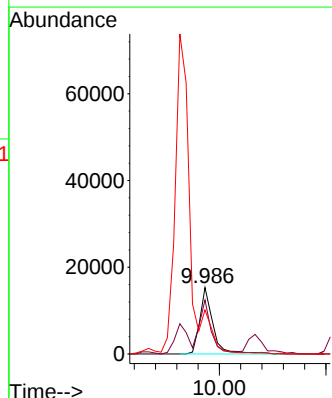
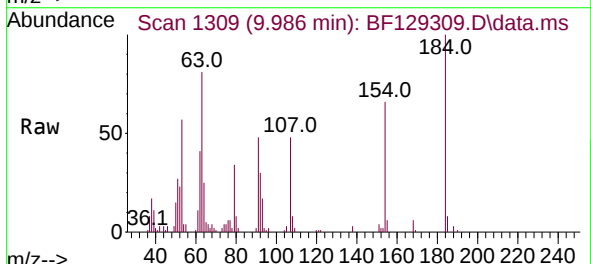
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

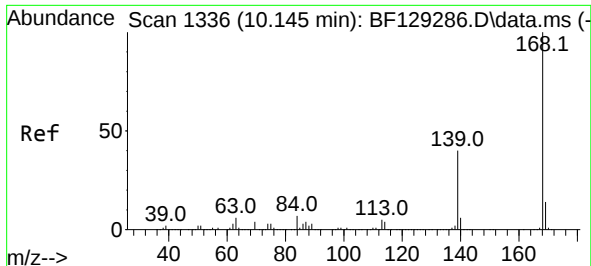
Tgt Ion:138 Resp: 19238
Ion Ratio Lower Upper
138 100
108 10.4 10.9 16.3#
92 118.4 98.2 147.2



#54
2,4-Dinitrophenol
Concen: 5.627 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:184 Resp: 13051
Ion Ratio Lower Upper
184 100
63 81.3 64.5 96.7
154 66.2 50.6 75.8

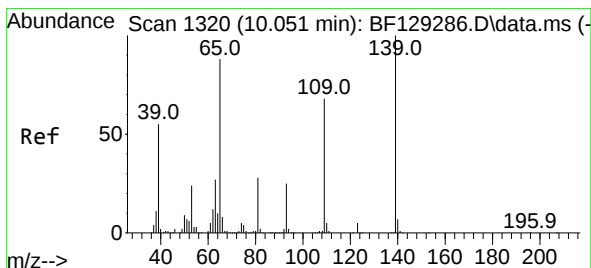
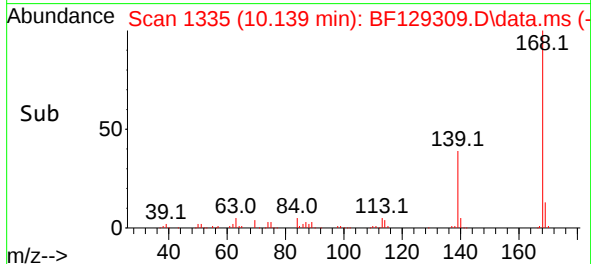
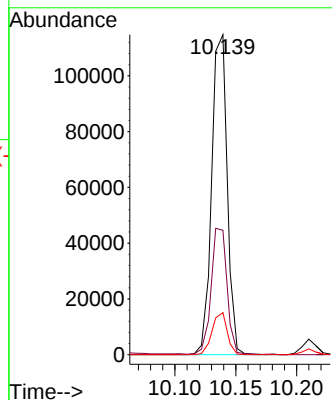
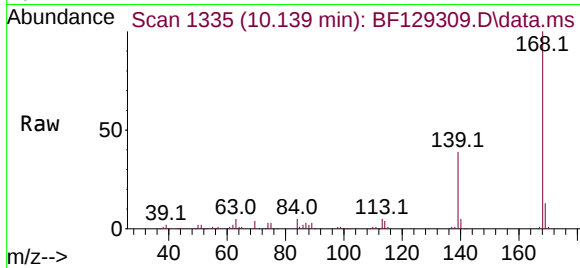




#55
Dibenzenofuran
Concen: 4.168 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

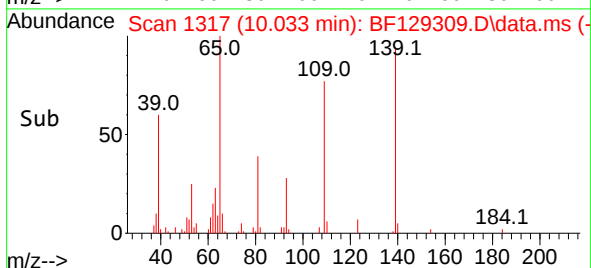
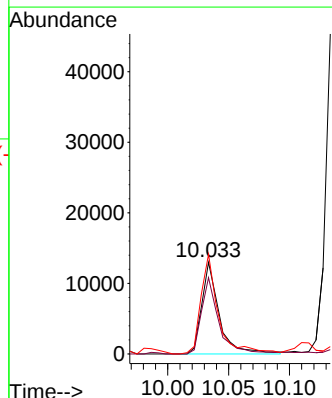
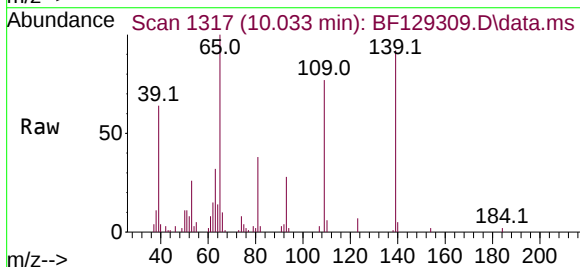
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

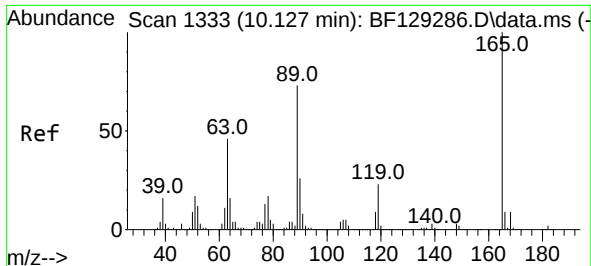
Tgt Ion:168 Resp: 101809
Ion Ratio Lower Upper
168 100
139 38.9 30.6 46.0
169 13.1 11.0 16.6



#56
4-Nitrophenol
Concen: 3.248 ng
RT: 10.033 min Scan# 1317
Delta R.T. -0.017 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:139 Resp: 12937
Ion Ratio Lower Upper
139 100
109 83.2 50.7 90.7
65 108.8 74.5 114.5

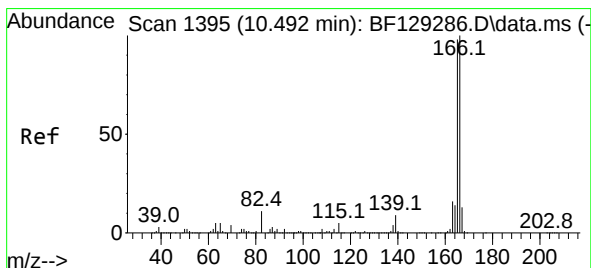
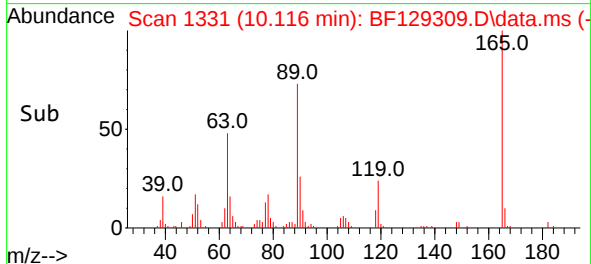
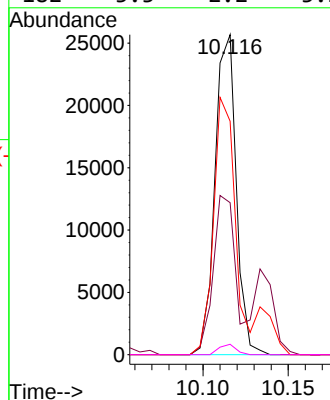
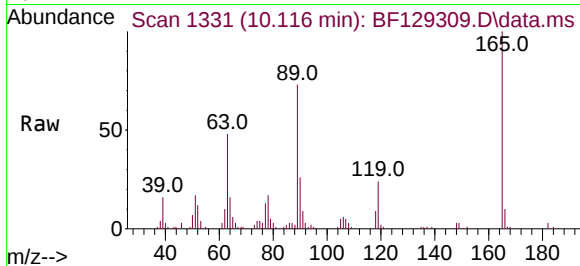




#57
2,4-Dinitrotoluene
Concen: 3.702 ng
RT: 10.116 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

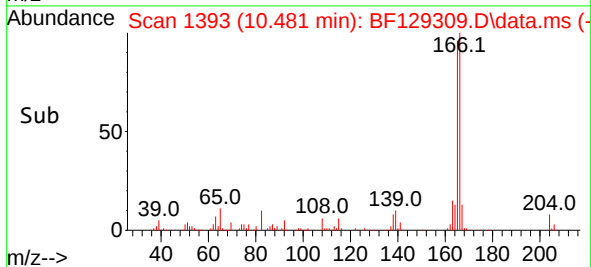
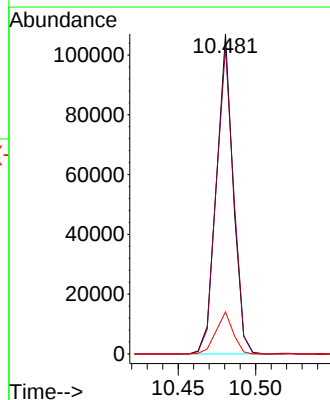
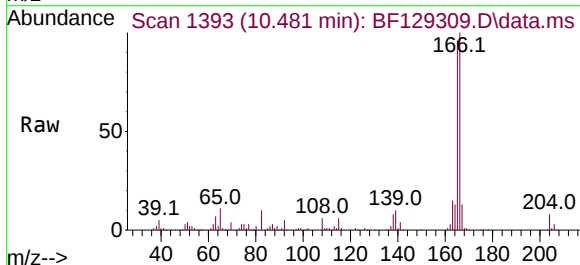
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

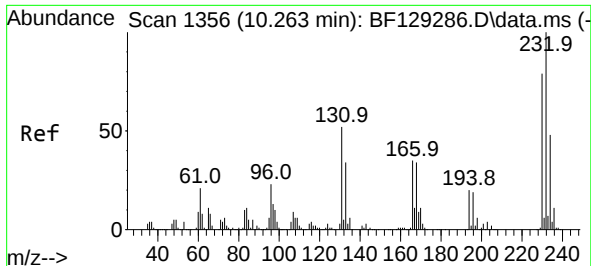
Tgt Ion:165 Resp: 22246
Ion Ratio Lower Upper
165 100
63 47.5 39.8 59.6
89 72.9 60.2 90.2
182 3.3 2.2 3.2#



#58
Fluorene
Concen: 4.123 ng
RT: 10.481 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:166 Resp: 80378
Ion Ratio Lower Upper
166 100
165 95.9 78.1 117.1
167 13.1 10.5 15.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.386 ng

RT: 10.251 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:232 Resp: 16186

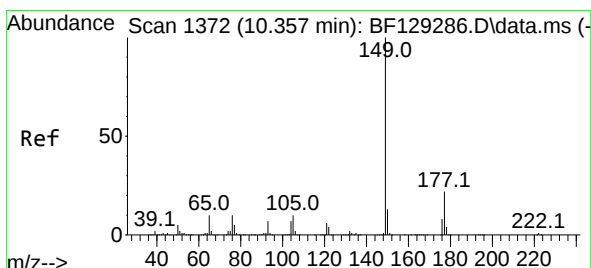
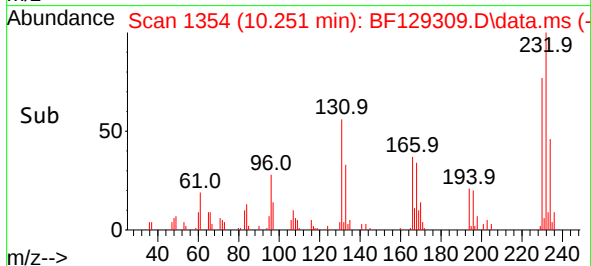
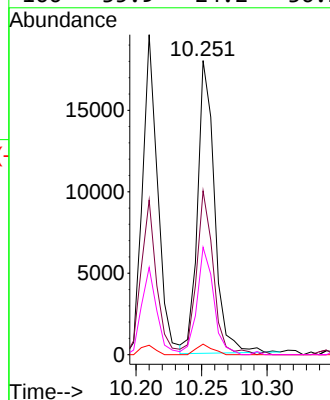
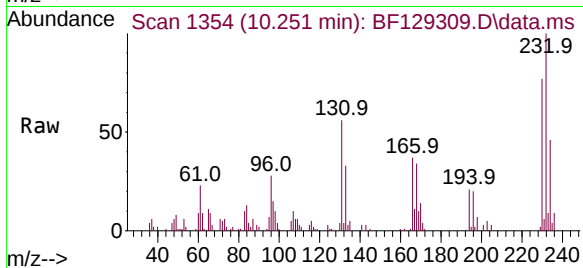
Ion Ratio Lower Upper

232 100

131 55.1 36.1 54.1#

130 3.5 1.8 2.8#

166 35.9 24.2 36.2



#60

Diethylphthalate

Concen: 4.070 ng

RT: 10.345 min Scan# 1370

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

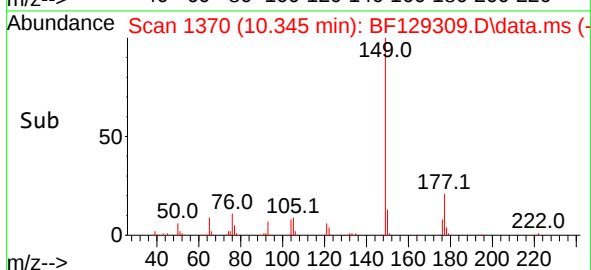
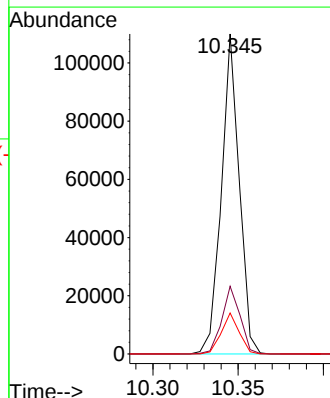
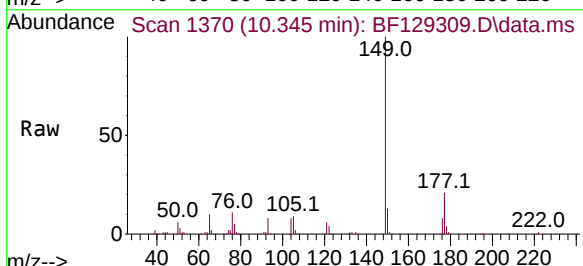
Tgt Ion:149 Resp: 80162

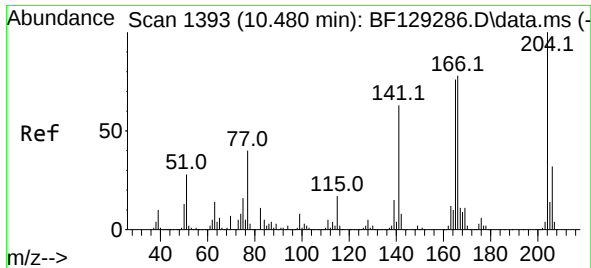
Ion Ratio Lower Upper

149 100

177 21.2 17.3 25.9

150 12.8 10.2 15.2

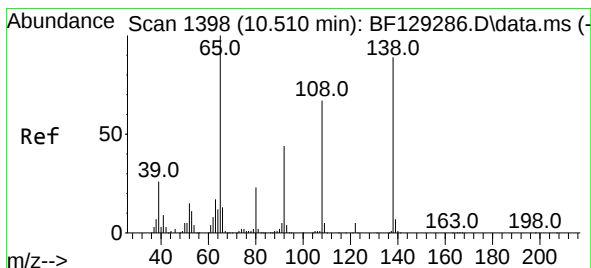
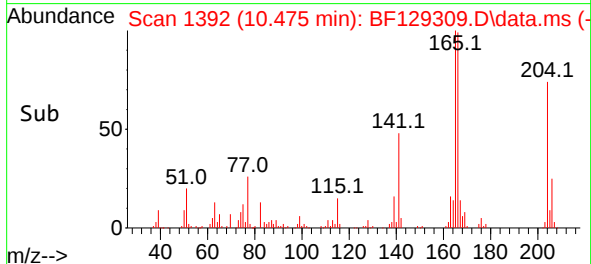
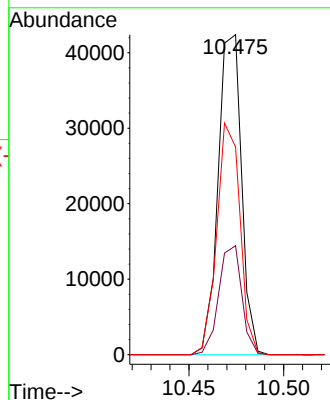
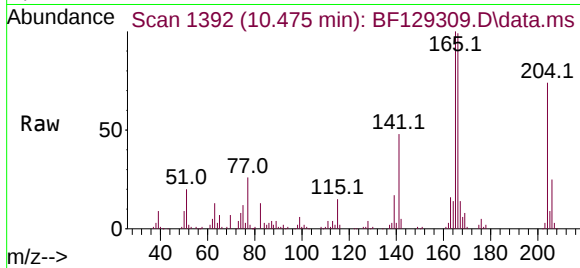




#61
4-Chlorophenyl-phenylether
Concen: 4.285 ng
RT: 10.475 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

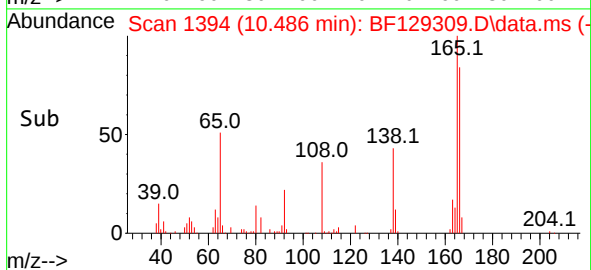
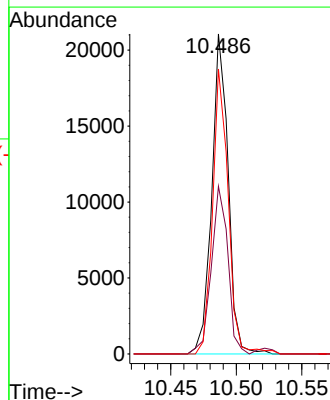
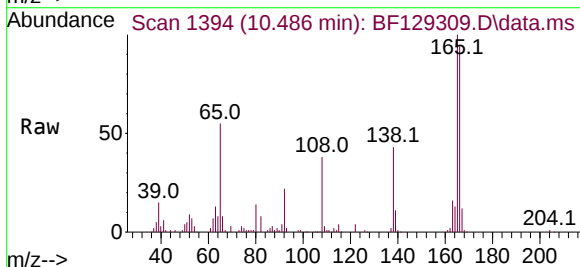
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

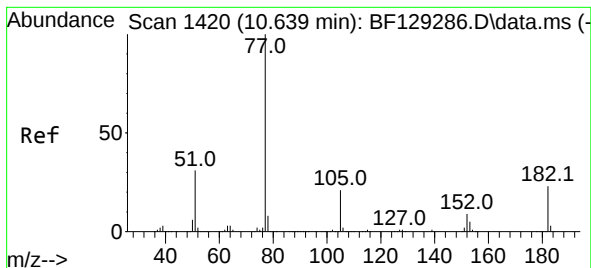
Tgt Ion:204 Resp: 36542
Ion Ratio Lower Upper
204 100
206 34.1 25.8 38.6
141 64.9 47.0 70.4



#62
4-Nitroaniline
Concen: 3.396 ng
RT: 10.486 min Scan# 1394
Delta R.T. -0.023 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:138 Resp: 18295
Ion Ratio Lower Upper
138 100
92 52.4 33.5 73.5
108 89.1 61.0 101.0





#63

Azobenzene

Concen: 3.956 ng

RT: 10.633 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion: 77 Resp: 80614

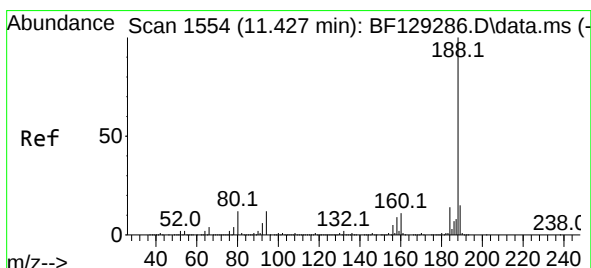
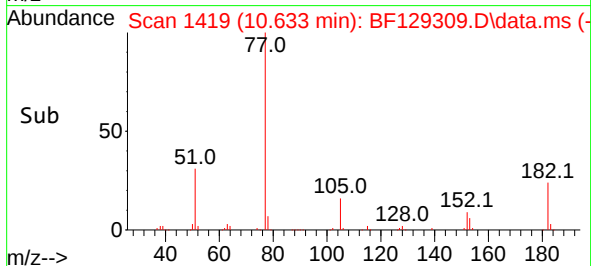
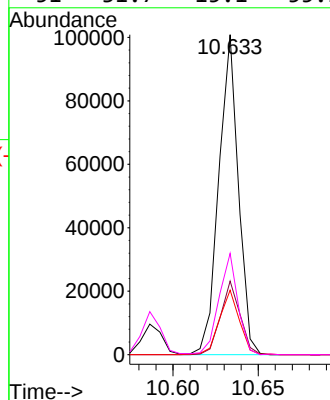
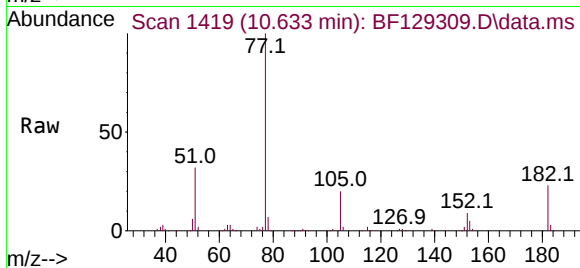
Ion Ratio Lower Upper

77 100

182 23.0 5.6 45.6

105 20.1 1.6 41.6

51 31.7 15.1 55.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1553

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

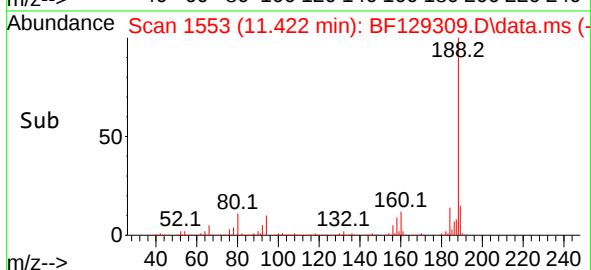
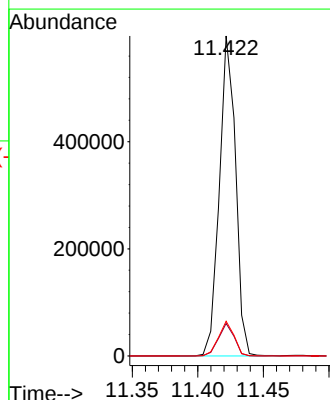
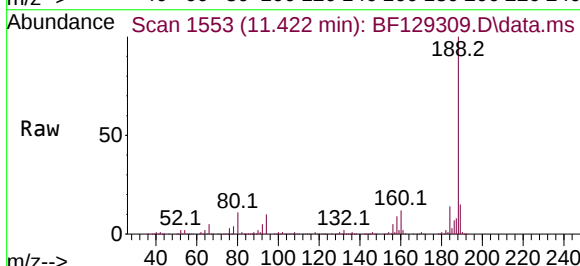
Tgt Ion:188 Resp: 512225

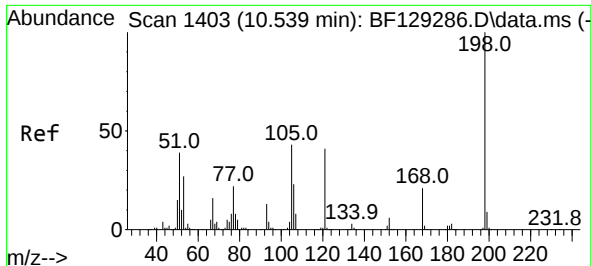
Ion Ratio Lower Upper

188 100

94 10.2 7.0 10.6

80 10.9 7.6 11.4

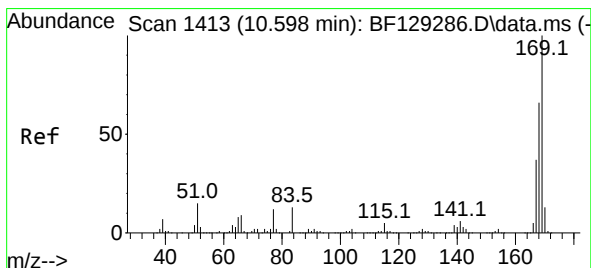
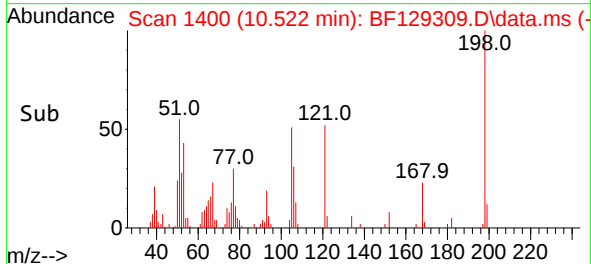
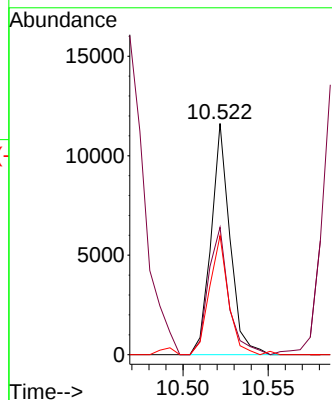
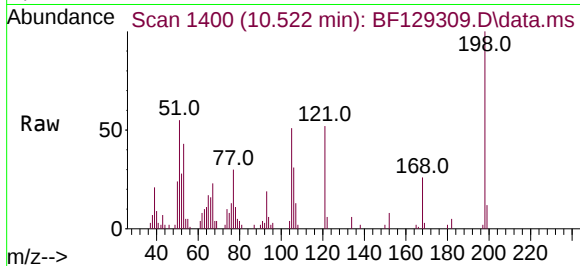




#65
4,6-Dinitro-2-methylphenol
Concen: 2.848 ng
RT: 10.522 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

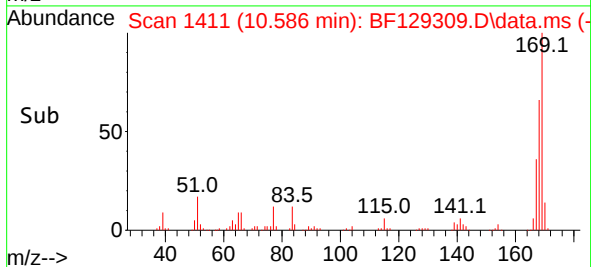
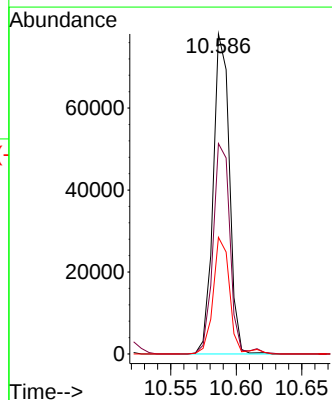
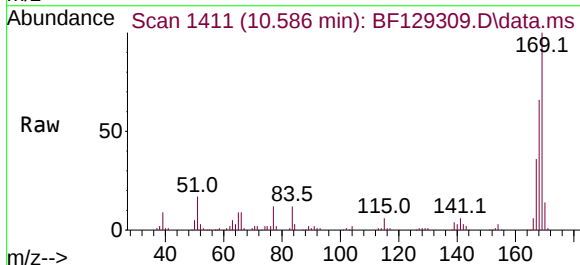
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

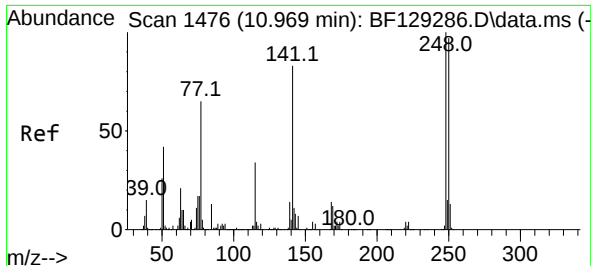
Tgt Ion:198 Resp: 8972
Ion Ratio Lower Upper
198 100
51 55.1 37.6 77.6
105 51.5 27.0 67.0



#66
n-Nitrosodiphenylamine
Concen: 3.969 ng
RT: 10.586 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:169 Resp: 67213
Ion Ratio Lower Upper
169 100
168 65.7 50.1 75.1
167 36.5 27.9 41.9

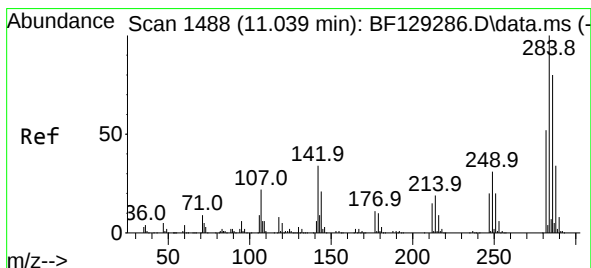
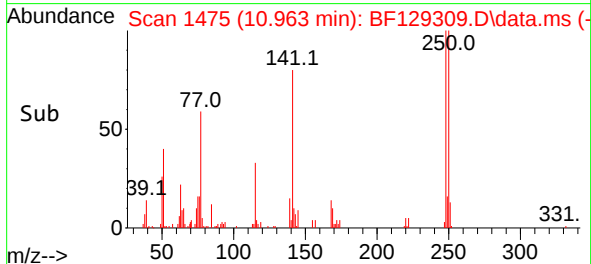
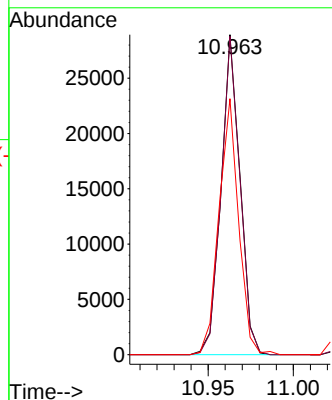
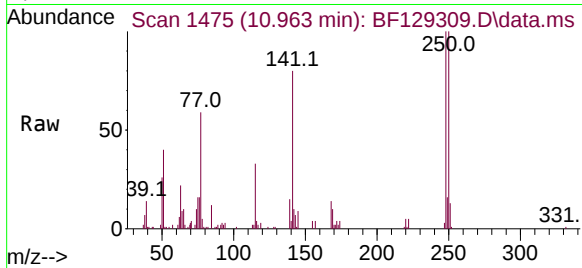




#67
4-Bromophenyl-phenylether
Concen: 4.052 ng
RT: 10.963 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

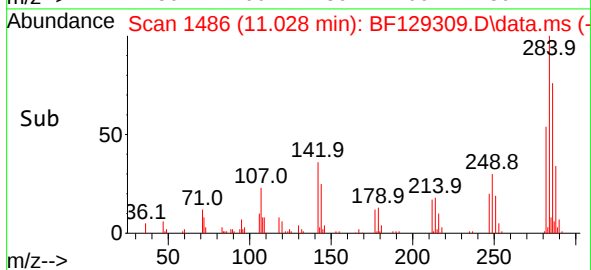
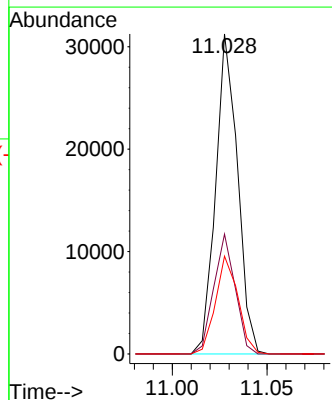
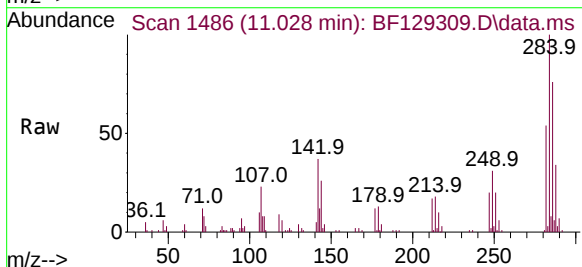
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

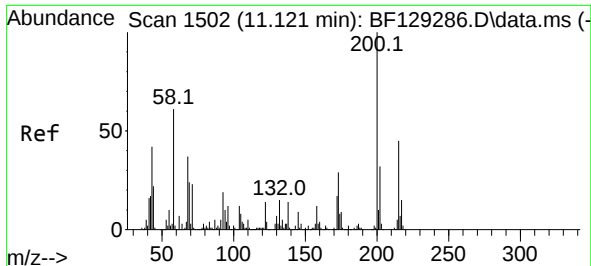
Tgt Ion:248 Resp: 22393
Ion Ratio Lower Upper
248 100
250 99.5 80.6 120.8
141 80.0 58.9 88.3



#68
Hexachlorobenzene
Concen: 4.149 ng
RT: 11.028 min Scan# 1486
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:284 Resp: 25117
Ion Ratio Lower Upper
284 100
142 37.4 29.0 43.4
249 30.5 25.0 37.6

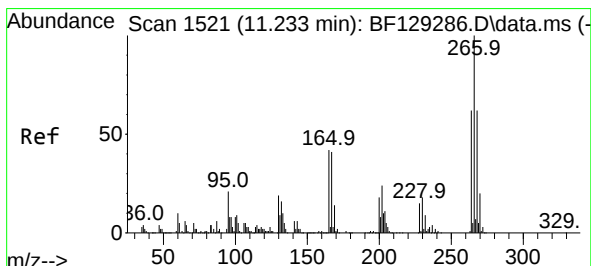
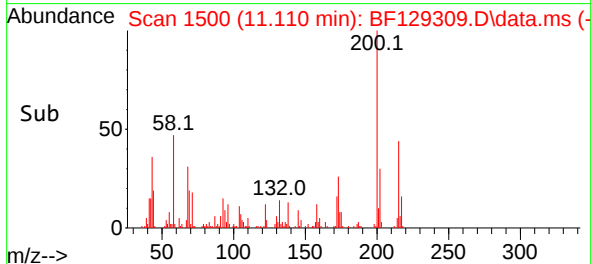
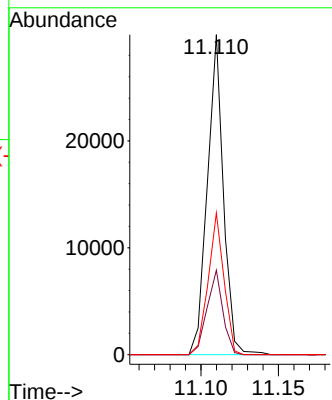
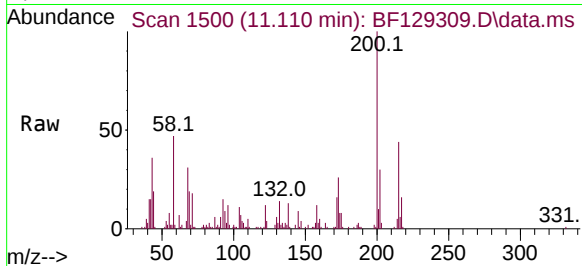




#69
Atrazine
Concen: 4.164 ng
RT: 11.110 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

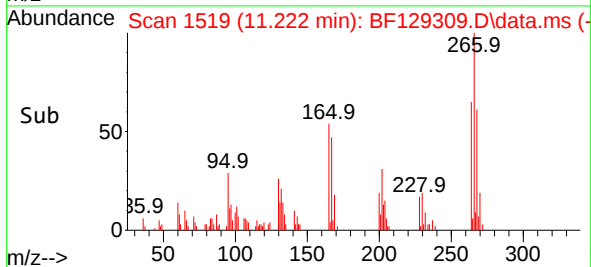
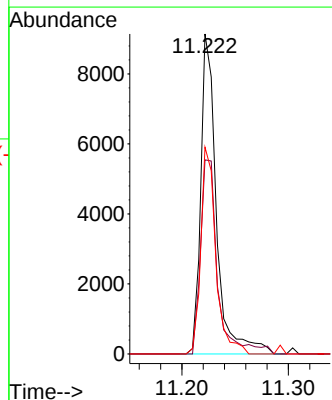
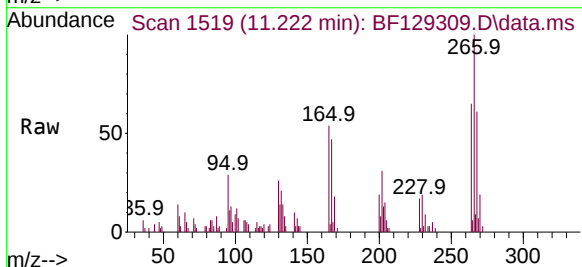
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

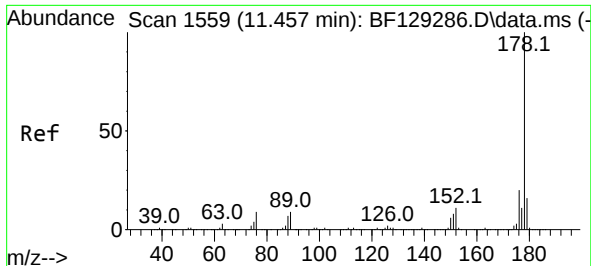
Tgt Ion:200 Resp: 21551
Ion Ratio Lower Upper
200 100
173 26.4 6.3 46.3
215 44.3 28.3 68.3



#70
Pentachlorophenol
Concen: 2.821 ng
RT: 11.222 min Scan# 1519
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:266 Resp: 9388
Ion Ratio Lower Upper
266 100
268 60.7 51.0 76.4
264 64.6 49.4 74.2

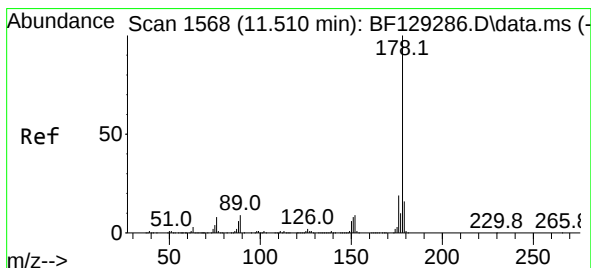
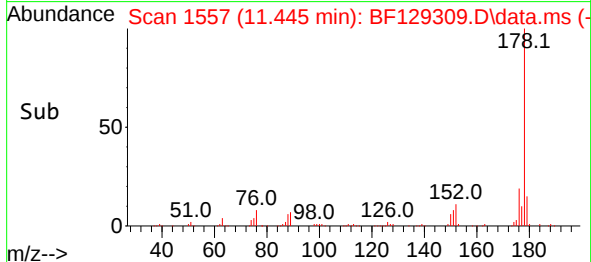
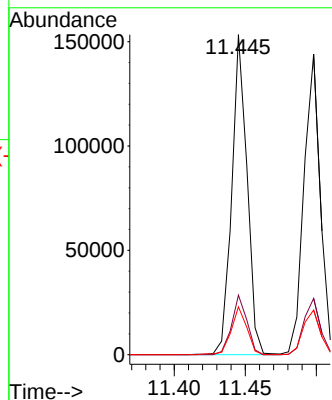
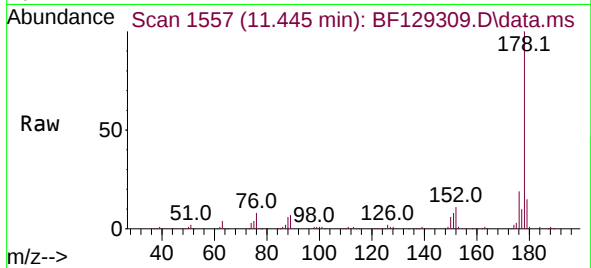




#71
Phenanthrene
Concen: 4.086 ng
RT: 11.445 min Scan# 114866
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

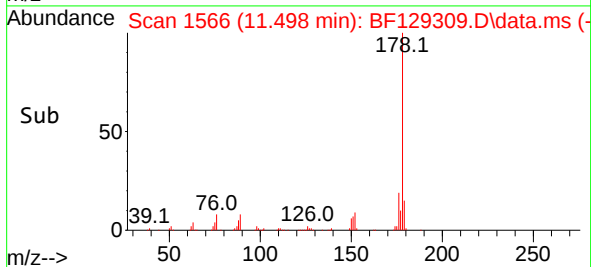
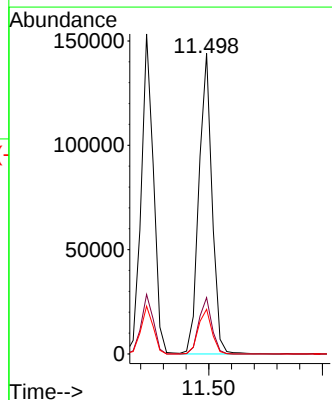
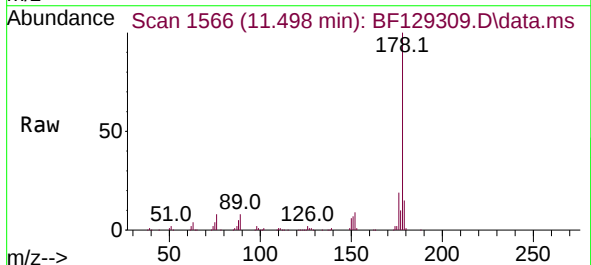
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

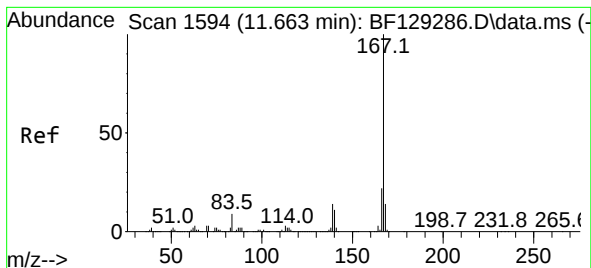
Tgt Ion:178 Resp: 114866
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.0 12.6 19.0



#72
Anthracene
Concen: 4.152 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:178 Resp: 115668
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 14.9 12.6 19.0





#73

Carbazole

Concen: 4.099 ng

RT: 11.651 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

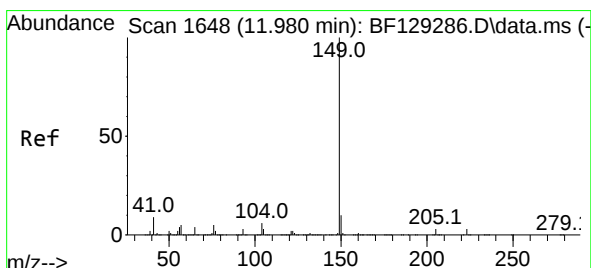
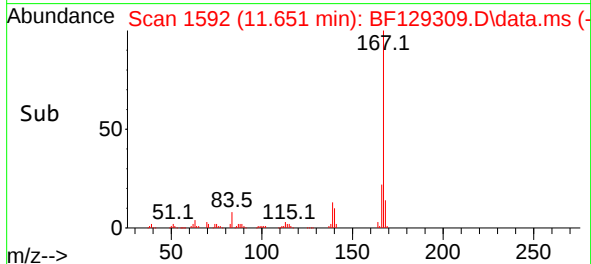
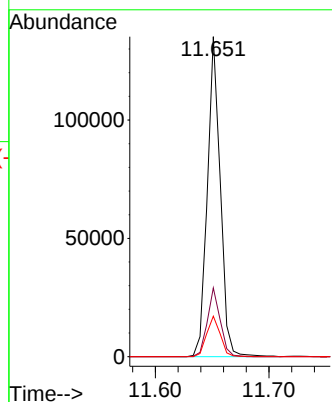
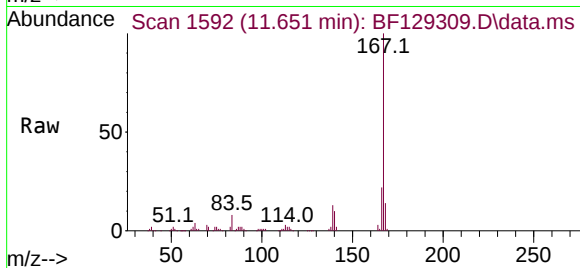
Tgt Ion:167 Resp: 106528

Ion Ratio Lower Upper

167 100

166 21.5 17.7 26.5

139 12.7 11.2 16.8



#74

Di-n-butylphthalate

Concen: 4.024 ng

RT: 11.975 min Scan# 1647

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

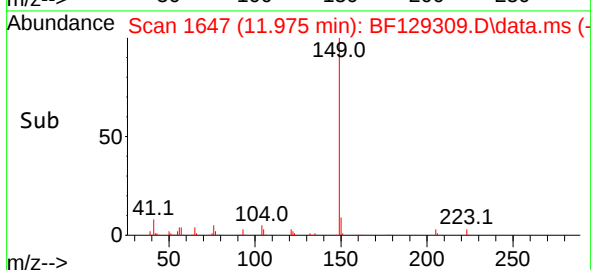
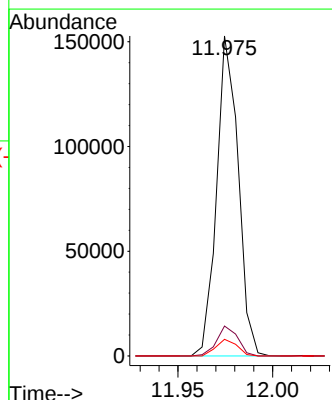
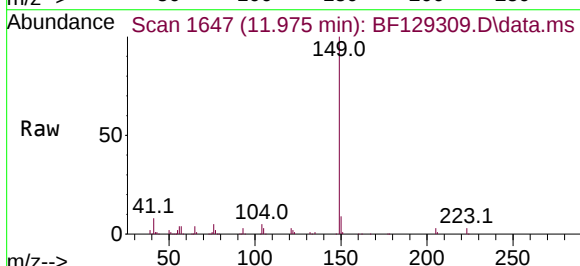
Tgt Ion:149 Resp: 120829

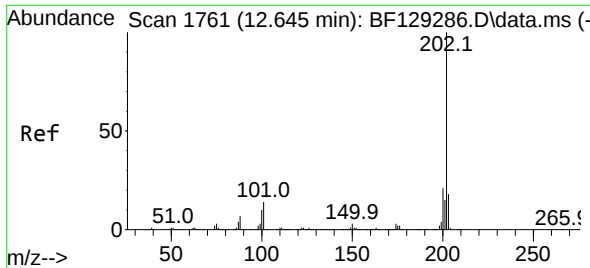
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 5.2 4.4 6.6

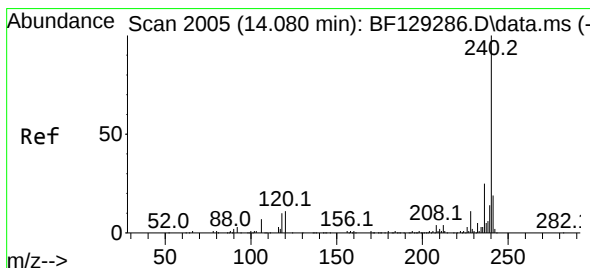
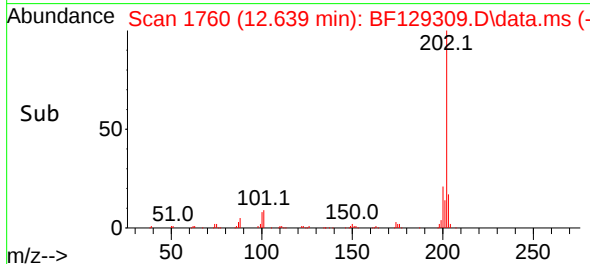
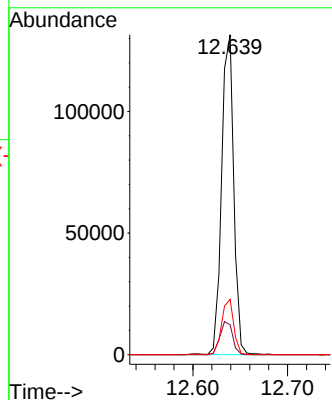
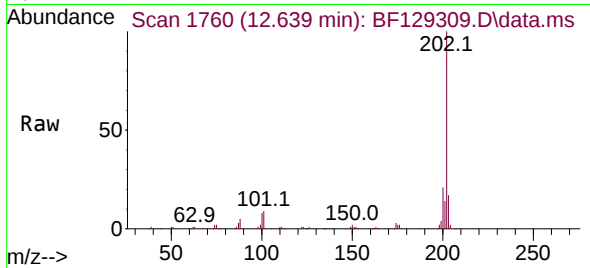




#75
Fluoranthene
Concen: 4.098 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

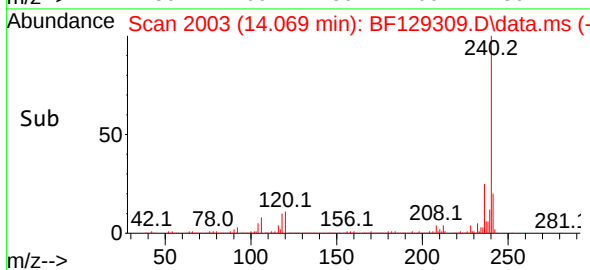
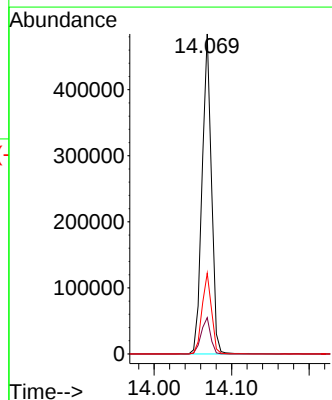
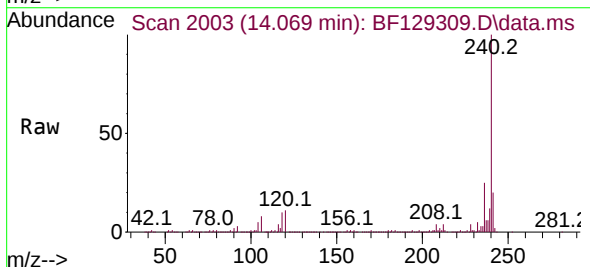
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

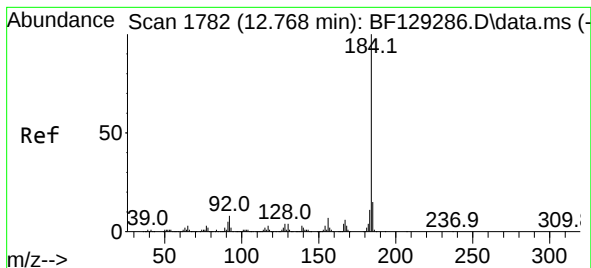
Tgt Ion:202 Resp: 117434
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.4
203 17.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:240 Resp: 404963
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 25.2 20.8 31.2





#77

Benzidine

Concen: 3.638 ng

RT: 12.757 min Scan# 1799

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

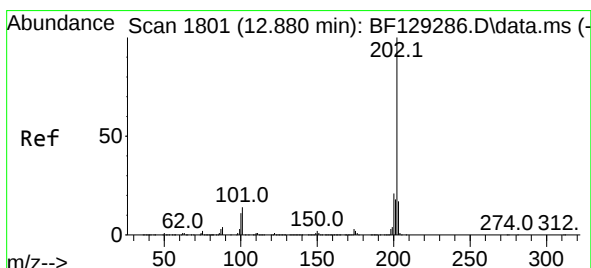
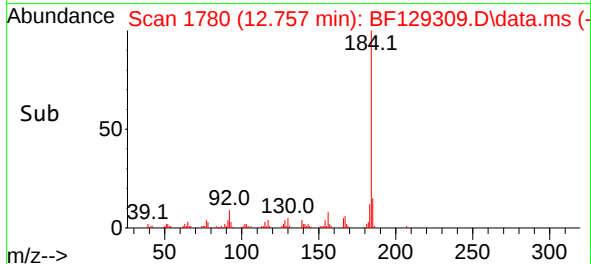
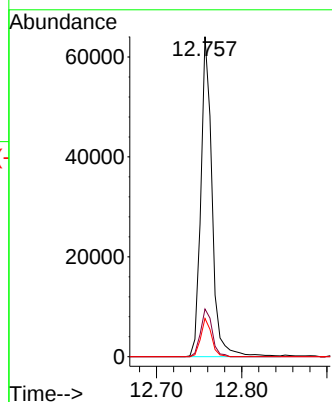
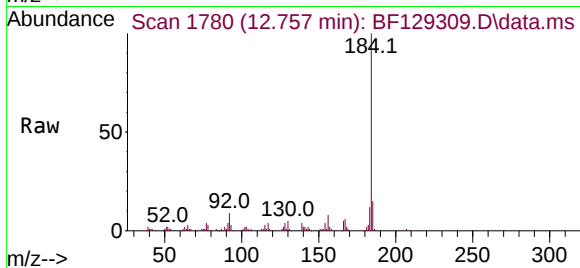
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:184	Resp: 58706
Ion Ratio	Lower Upper
184	100
185	14.9 11.9 17.9
183	11.9 9.3 13.9



#78

Pyrene

Concen: 3.521 ng

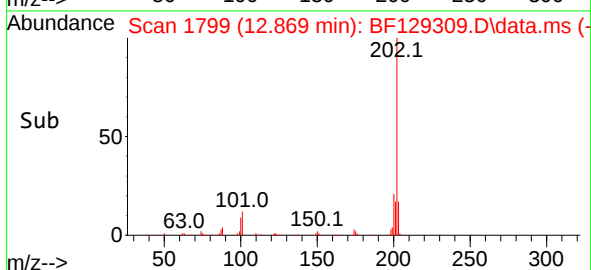
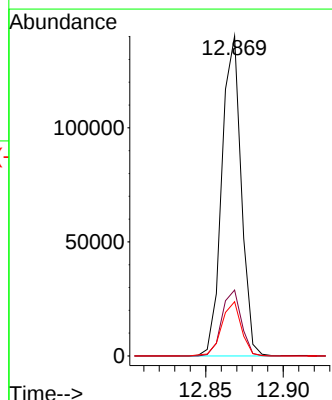
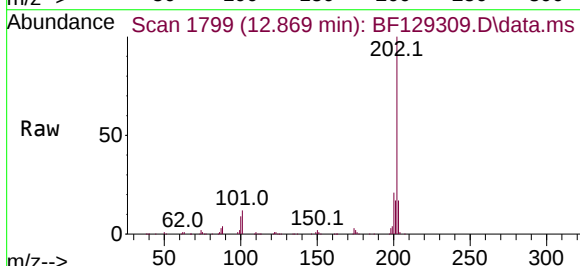
RT: 12.869 min Scan# 1799

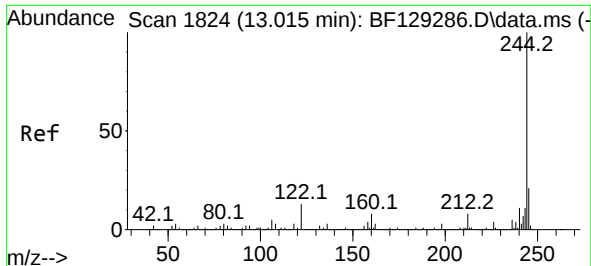
Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

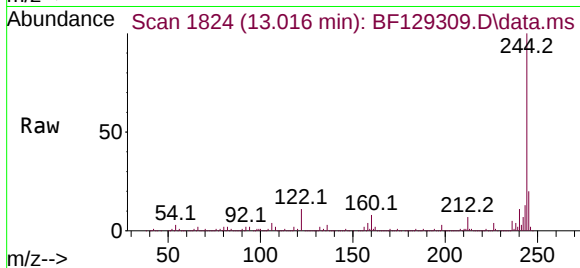
Tgt Ion:202	Resp: 121939
Ion Ratio	Lower Upper
202	100
200	20.6 17.7 26.5
203	17.0 14.6 21.8



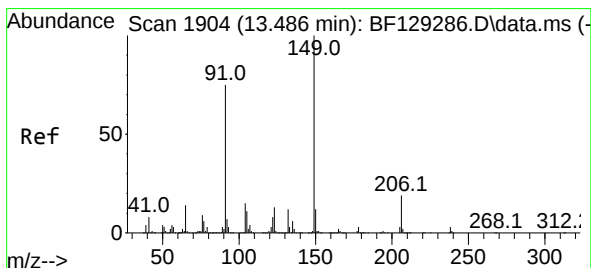
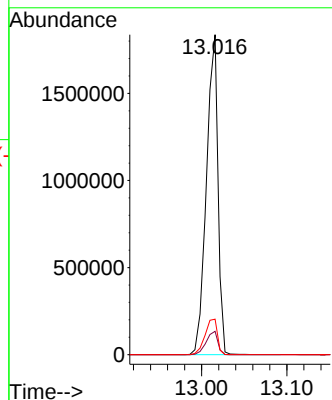
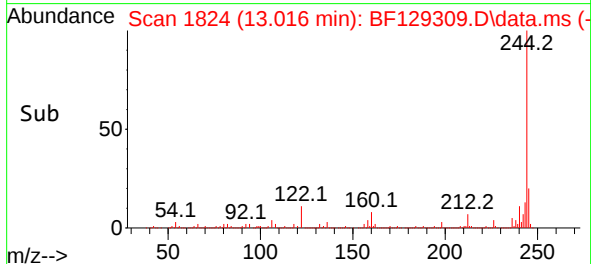


#79
 Terphenyl-d14
 Concen: 79.368 ng
 RT: 13.016 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24

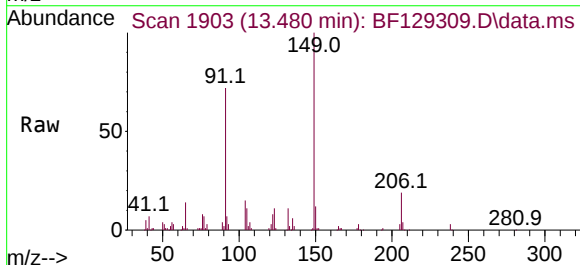
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



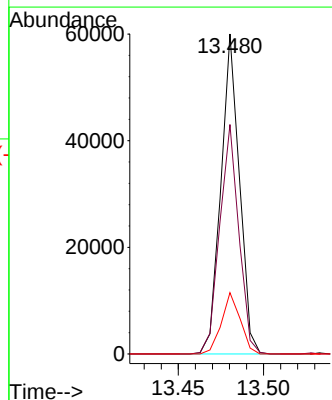
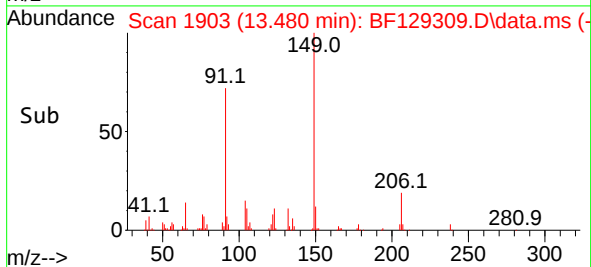
Tgt Ion:244 Resp: 1725766
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 11.1 8.8 13.2

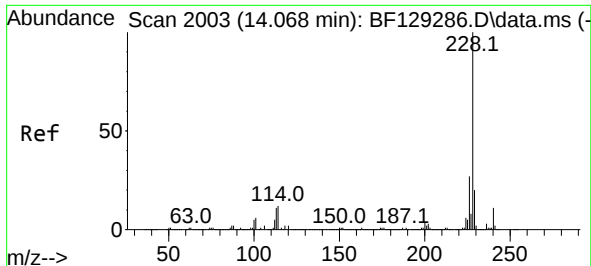


#80
 Butylbenzylphthalate
 Concen: 3.213 ng
 RT: 13.480 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24



Tgt Ion:149 Resp: 45415
 Ion Ratio Lower Upper
 149 100
 91 71.7 61.2 91.8
 206 19.1 15.7 23.5

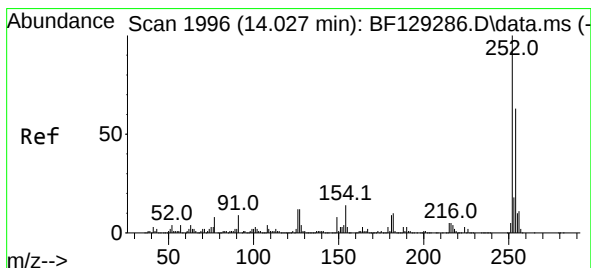
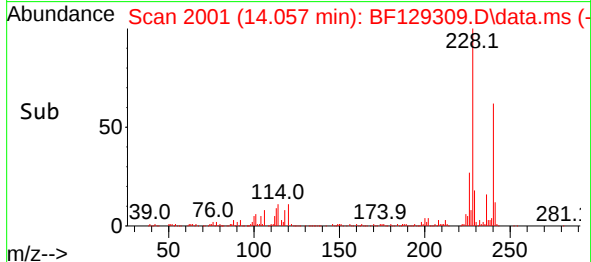
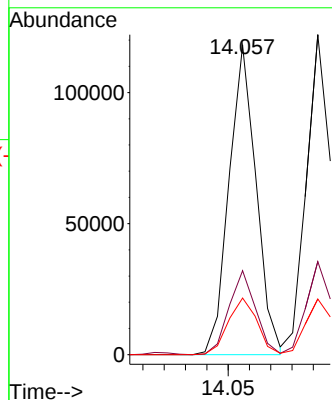
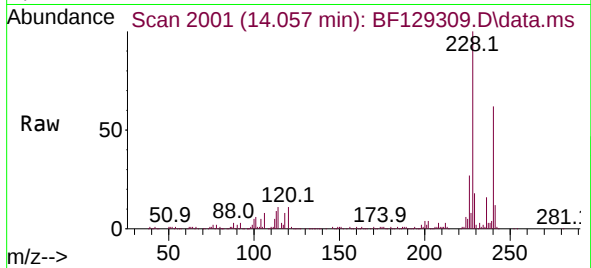




#81
Benzo(a)anthracene
Concen: 3.749 ng
RT: 14.057 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

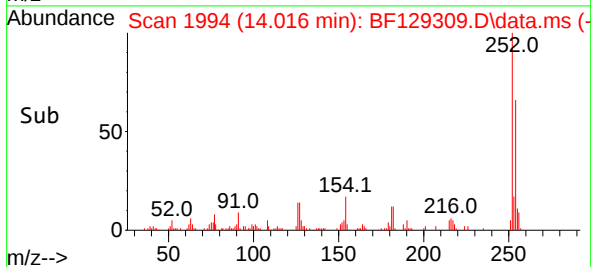
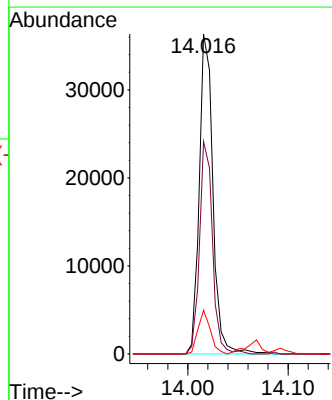
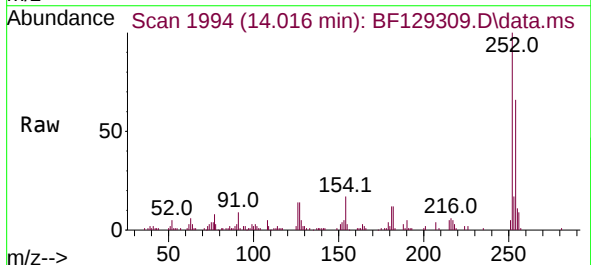
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

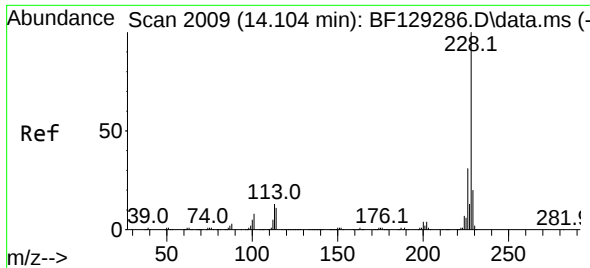
Tgt Ion:228 Resp: 104542
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 18.3 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 3.770 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:252 Resp: 34510
Ion Ratio Lower Upper
252 100
254 66.4 50.2 75.4
126 13.7 8.2 12.4

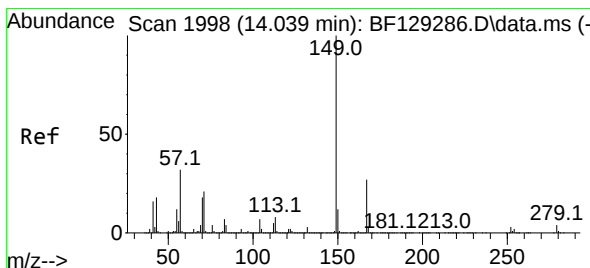
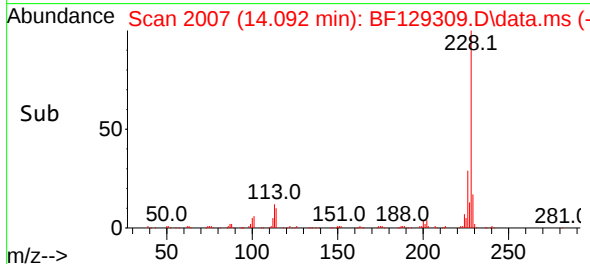
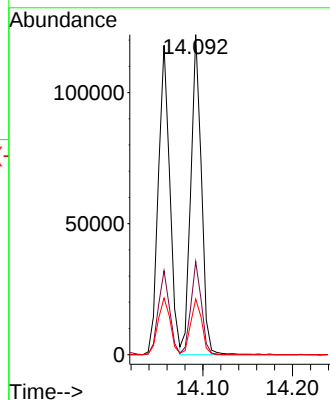
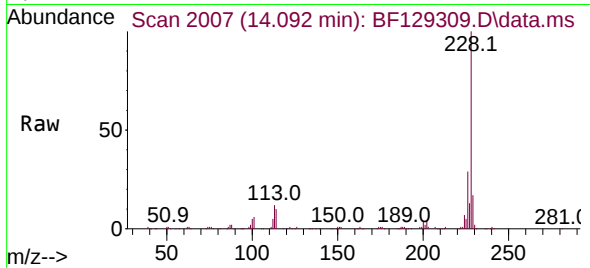




#83
Chrysene
Concen: 3.793 ng
RT: 14.092 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

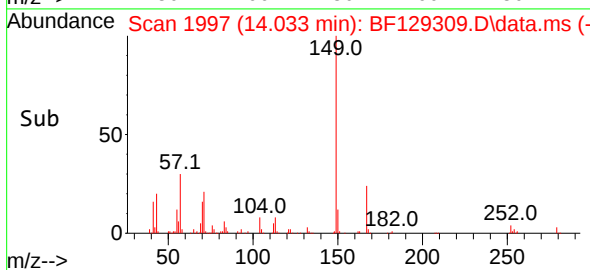
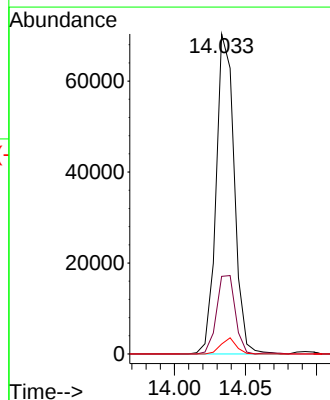
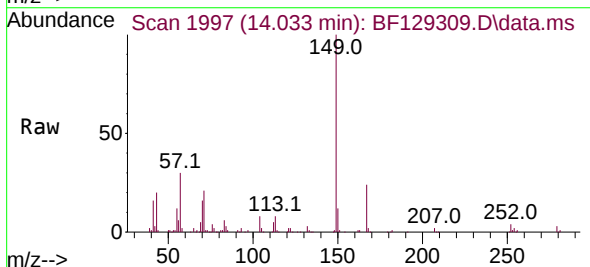
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

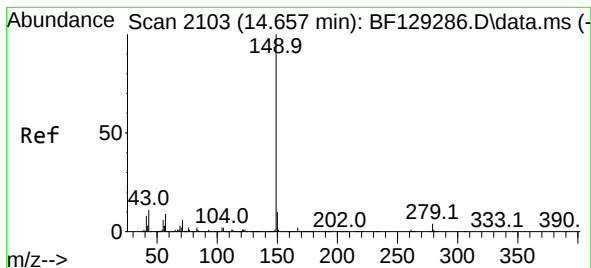
Tgt Ion:228	Resp:	99827
Ion Ratio	Lower	Upper
228	100	
226	29.1	24.3 36.5
229	17.4	15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.581 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:149	Resp:	62158
Ion Ratio	Lower	Upper
149	100	
167	24.3	21.0 31.4
279	3.1	3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 3.539 ng

RT: 14.651 min Scan# 2102

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

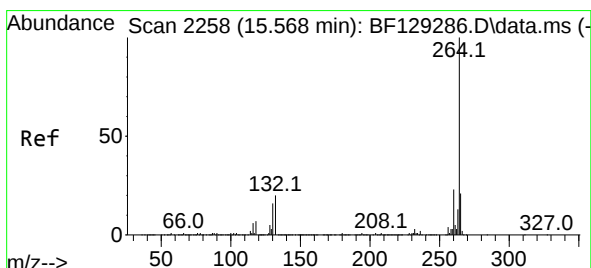
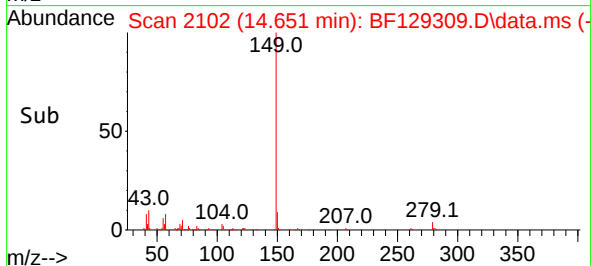
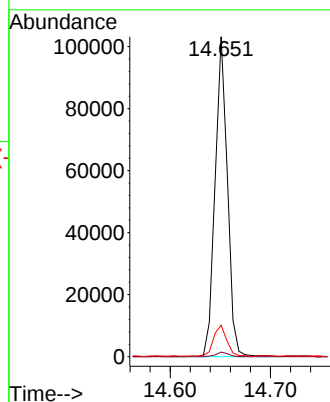
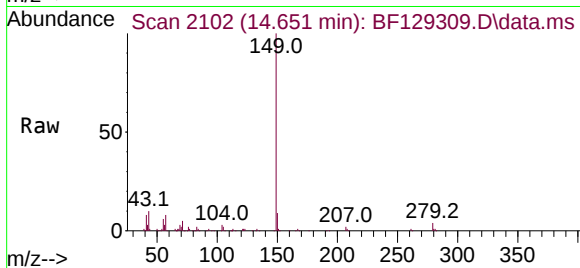
Tgt Ion:149 Resp: 87898

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

43 11.0 9.2 13.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

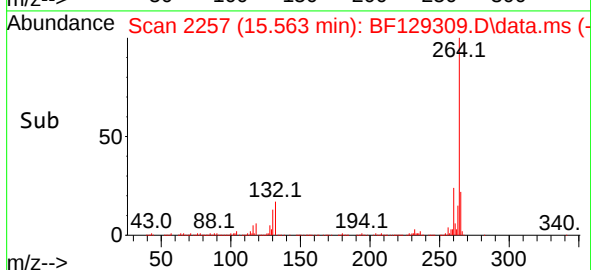
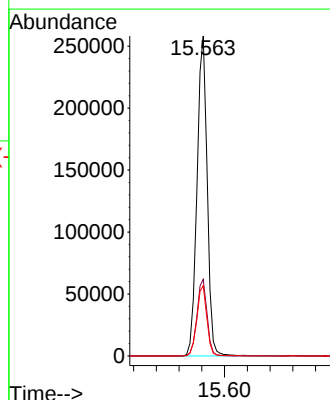
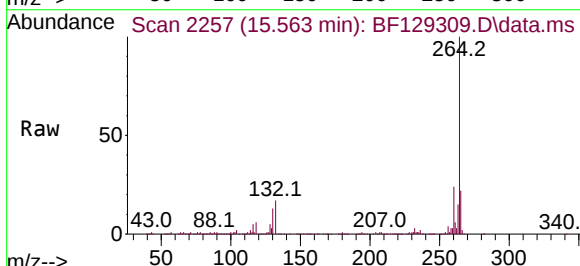
Tgt Ion:264 Resp: 323373

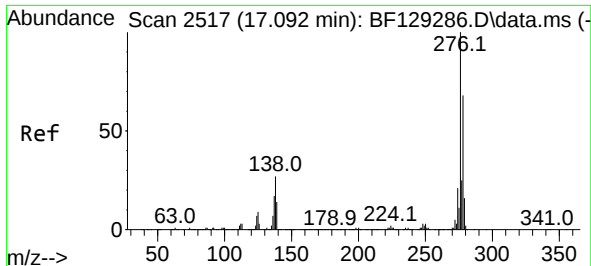
Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 21.9 17.2 25.8

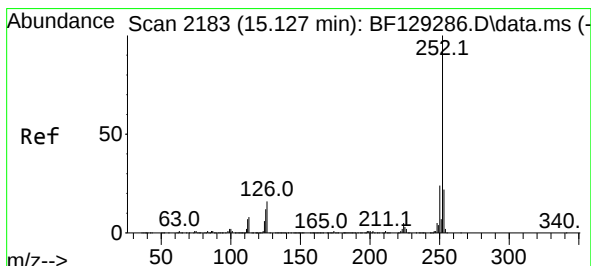
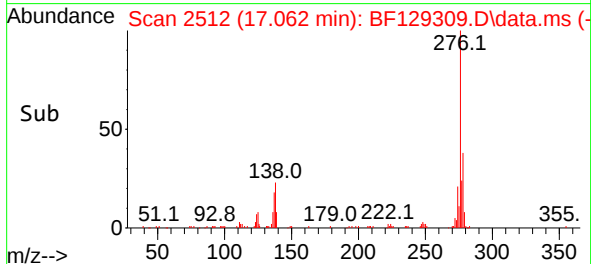
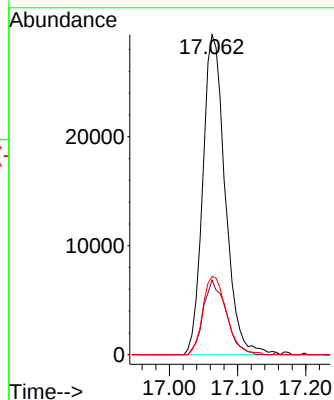
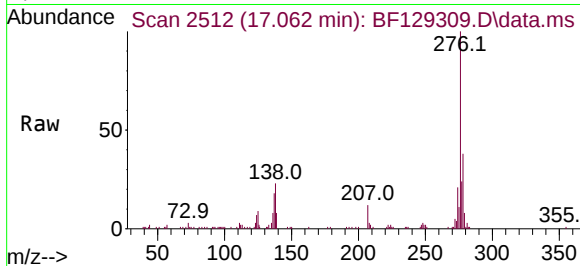




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.023 ng
RT: 17.062 min Scan# 2181
Delta R.T. -0.029 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

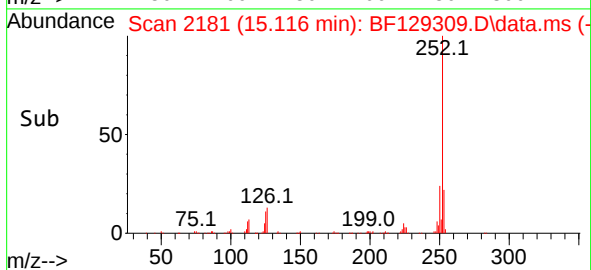
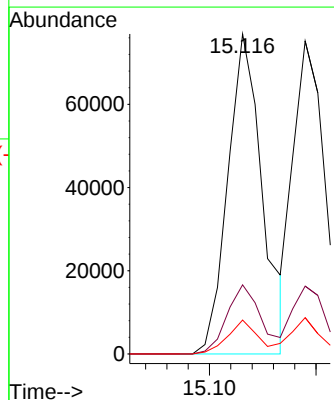
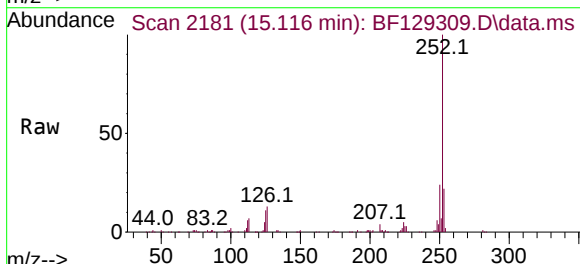
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

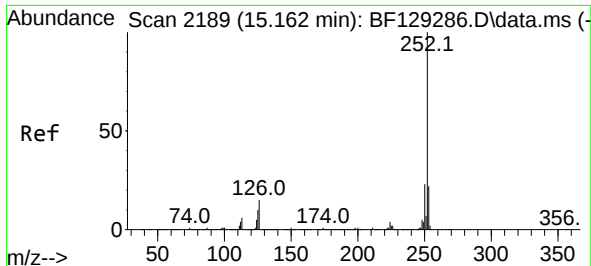
Tgt Ion:276 Resp: 67025
Ion Ratio Lower Upper
276 100
138 23.9 21.1 31.7
277 25.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 4.029 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:252 Resp: 86715
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 10.6 8.0 12.0

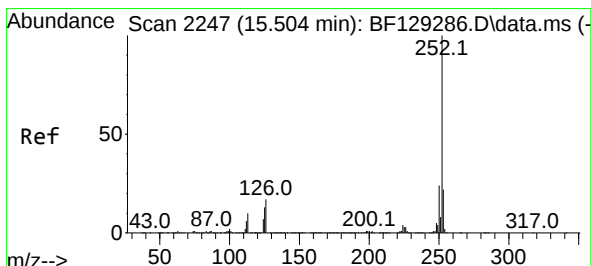
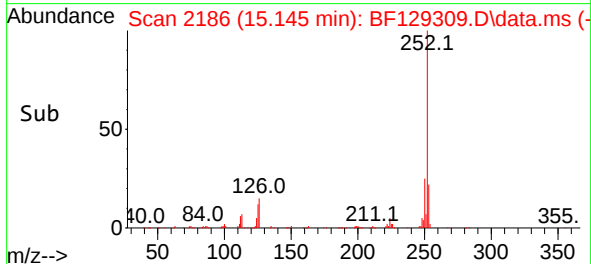
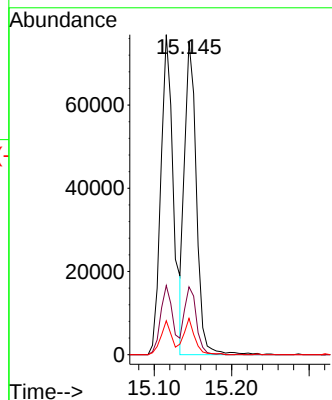
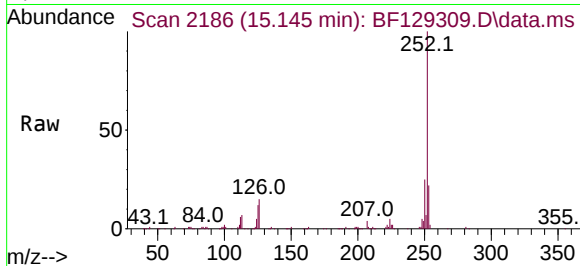




#89
Benzo(k)fluoranthene
Concen: 3.821 ng
RT: 15.145 min Scan# 2189
Delta R.T. -0.017 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

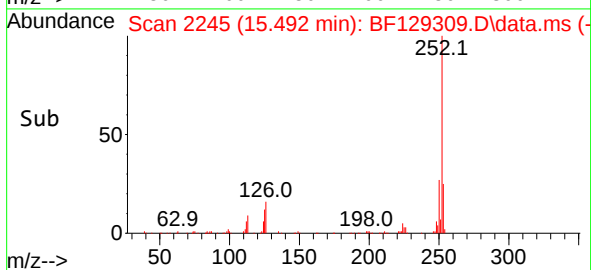
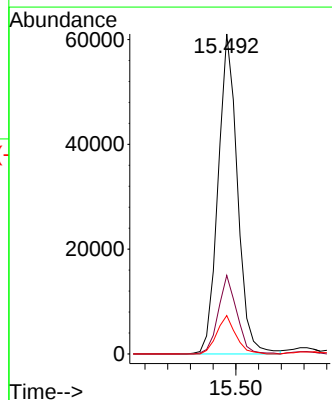
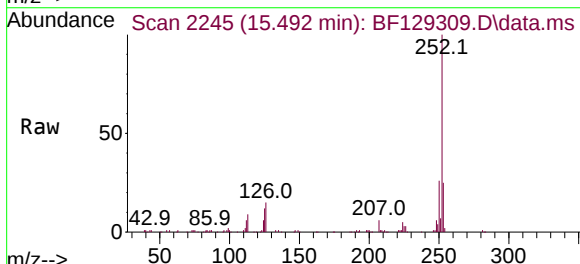
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

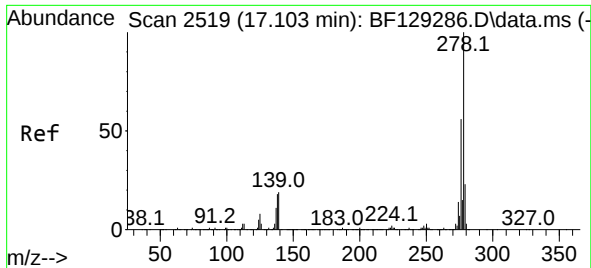
Tgt Ion:252 Resp: 79864
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 11.6 8.3 12.5



#90
Benzo(a)pyrene
Concen: 4.152 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:252 Resp: 72303
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.6
125 12.0 8.8 13.2

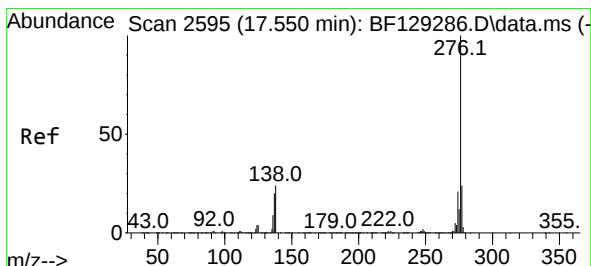
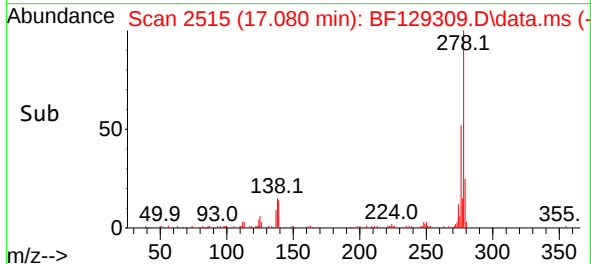
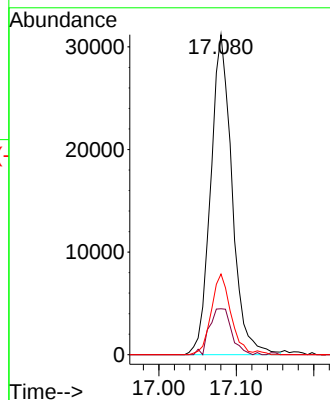
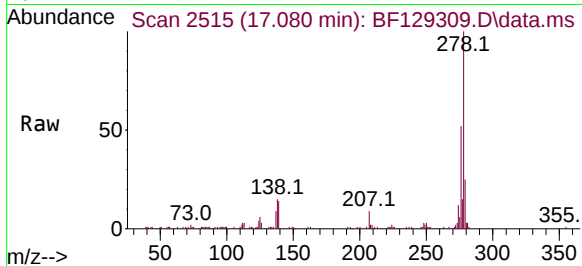




#91
Dibenzo(a,h)anthracene
Concen: 3.342 ng
RT: 17.080 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:278 Resp: 59710
Ion Ratio Lower Upper
278 100
139 14.3 12.8 19.2
279 25.2 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 3.056 ng
RT: 17.521 min Scan# 2590
Delta R.T. -0.029 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:276 Resp: 56738
Ion Ratio Lower Upper
276 100
277 25.3 19.1 28.7
138 21.7 18.0 27.0

