

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021921\
 Data File : BF123238.D
 Acq On : 19 Feb 2021 21:44
 Operator : JU/CG
 Sample : M1434-03MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAND-SOIL-PILEMSD

Quant Time: Feb 19 23:10:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 16:08:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	178283	20.00	ng	# 0.00
21) Naphthalene-d8	8.145	136	742238	20.00	ng	# 0.00
39) Acenaphthene-d10	9.904	164	385785	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	699310	20.00	ng	# 0.00
76) Chrysene-d12	14.051	240	499772	20.00	ng	0.00
86) Perylene-d12	15.515	264	401589	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1427745	115.27	ng	0.02
7) Phenol-d6	6.498	99	1791283	106.45	ng	0.00
23) Nitrobenzene-d5	7.422	82	1284030	79.19	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	461440	117.47	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	2033599	75.72	ng	0.00
79) Terphenyl-d14	12.986	244	2146001	82.57	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.804	88	196754	27.53	ng	# 78
3) Pyridine	3.516	79	301924	17.34	ng	94
4) n-Nitrosodimethylamine	3.445	42	308994	38.37	ng	90
6) Aniline	6.522	93	251643	12.66	ng	# 84
8) 2-Chlorophenol	6.645	128	587775	44.17	ng	91
9) Benzaldehyde	6.410	77	210260	20.78	ng	91
10) Phenol	6.510	94	742523	40.49	ng	96
11) bis(2-Chloroethyl)ether	6.598	93	645305	49.06	ng	95
12) 1,3-Dichlorobenzene	6.798	146	566712	40.94	ng	# 93
13) 1,4-Dichlorobenzene	6.875	146	578880	41.04	ng	# 94
14) 1,2-Dichlorobenzene	7.028	146	561525	42.79	ng	95
15) Benzyl Alcohol	7.004	79	580025	44.21	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.133	45	852578	47.26	ng	99
17) 2-Methylphenol	7.116	107	500738	44.74	ng	95
18) Hexachloroethane	7.375	117	228394	44.82	ng	99
19) n-Nitroso-di-n-propyla...	7.275	70	459860	45.94	ng	93
20) 3+4-Methylphenols	7.269	107	599474	40.79	ng	# 88
22) Acetophenone	7.269	105	818918	42.53	ng	# 90
24) Nitrobenzene	7.439	77	704826	41.23	ng	90
25) Isophorone	7.686	82	1304249	43.02	ng	97
26) 2-Nitrophenol	7.757	139	311034	43.43	ng	89
27) 2,4-Dimethylphenol	7.798	122	495871	44.73	ng	96
28) bis(2-Chloroethoxy)met...	7.892	93	779864	49.14	ng	99
29) 2,4-Dichlorophenol	8.004	162	477241	41.70	ng	94
30) 1,2,4-Trichlorobenzene	8.080	180	501065	40.26	ng	99
31) Naphthalene	8.163	128	1649812	40.56	ng	99
32) Benzoic acid	7.933	122	394539	48.25	ng	89
33) 4-Chloroaniline	8.210	127	147759	8.93	ng	# 93
34) Hexachlorobutadiene	8.280	225	276992	39.46	ng	96
35) Caprolactam	8.592	113	87588	22.81	ng	# 81
36) 4-Chloro-3-methylphenol	8.704	107	598749	44.01	ng	90
37) 2-Methylnaphthalene	8.857	142	1134817	41.88	ng	99
38) 1-Methylnaphthalene	8.957	142	1052950	41.55	ng	99
40) 1,2,4,5-Tetrachloroben...	9.027	216	468654	40.65	ng	# 97
41) Hexachlorocyclopentadiene	9.016	237	482883	89.41	ng	98
43) 2,4,6-Trichlorophenol	9.139	196	352743	43.15	ng	95

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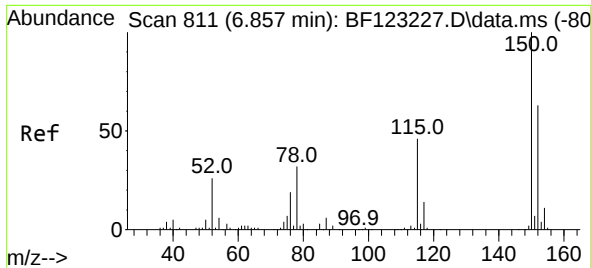
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	361031	41.26	ng	# 90
46) 1,1'-Biphenyl	9.322	154	1370579	42.83	ng	99
47) 2-Chloronaphthalene	9.351	162	1047106	41.47	ng	100
48) 2-Nitroaniline	9.445	65	412899	45.64	ng	# 76
49) Acenaphthylene	9.769	152	1597914	41.72	ng	100
50) Dimethylphthalate	9.627	163	1313267	45.52	ng	99
51) 2,6-Dinitrotoluene	9.686	165	295540	44.45	ng	# 70
52) Acenaphthene	9.939	154	1061737	40.20	ng	99
53) 3-Nitroaniline	9.857	138	132050	17.89	ng	# 83
54) 2,4-Dinitrophenol	9.963	184	224051	64.15	ng	# 81
55) Dibenzofuran	10.116	168	1453095	40.64	ng	98
56) 4-Nitrophenol	10.027	139	485857	82.62	ng	# 67
57) 2,4-Dinitrotoluene	10.098	165	400401	44.78	ng	93
58) Fluorene	10.457	166	1154518	41.03	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	301752	43.23	ng	# 83
60) Diethylphthalate	10.333	149	1303871	45.64	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	561403	41.91	ng	94
62) 4-Nitroaniline	10.480	138	278144	37.44	ng	97
63) Azobenzene	10.610	77	1435518	43.61	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	169399	35.99	ng	75
66) n-Nitrosodiphenylamine	10.568	169	1037943	42.92	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	334393	43.86	ng	96
68) Hexachlorobenzene	11.004	284	344981	42.96	ng	# 85
69) Atrazine	11.098	200	302830	39.63	ng	98
70) Pentachlorophenol	11.204	266	417323	82.30	ng	100
71) Phenanthrene	11.421	178	1740865	42.10	ng	100
72) Anthracene	11.474	178	1789334	43.36	ng	100
73) Carbazole	11.627	167	1560954	40.17	ng	99
74) Di-n-butylphthalate	11.957	149	2013653	46.35	ng	99
75) Fluoranthene	12.615	202	1814755	41.40	ng	99
77) Benzidine	12.727	184	106045	6.57	ng	# 95
78) Pyrene	12.845	202	1830375	46.91	ng	100
80) Butylbenzylphthalate	13.462	149	859173	52.09	ng	91
81) Benzo(a)anthracene	14.039	228	1453998	42.81	ng	98
82) 3,3'-Dichlorobenzidine	13.998	252	264192	23.40	ng	# 98
83) Chrysene	14.074	228	1423547	42.68	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1188470	52.34	ng	99
85) Di-n-octyl phthalate	14.639	149	1951504	50.31	ng	96
87) Indeno(1,2,3-cd)pyrene	17.003	276	1223271	44.08	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	1279235	45.36	ng	99
89) Benzo(k)fluoranthene	15.121	252	1238215	48.42	ng	99
90) Benzo(a)pyrene	15.462	252	1084457	43.12	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	1024995	43.05	ng	97
92) Benzo(g,h,i)perylene	17.456	276	1024841	46.73	ng	95

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

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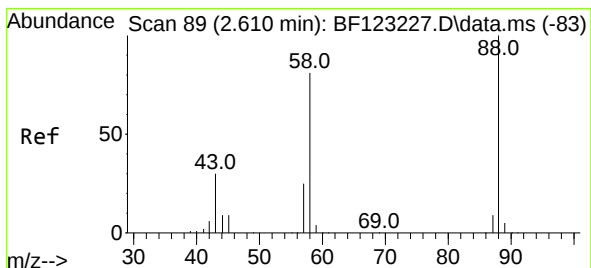
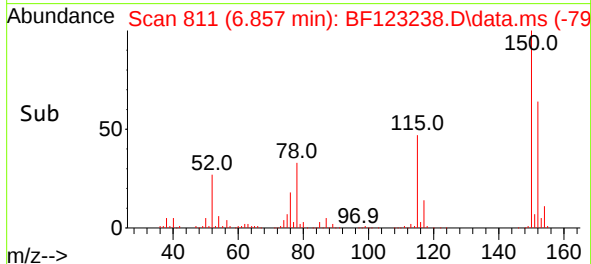
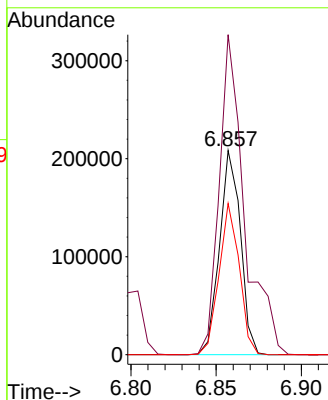
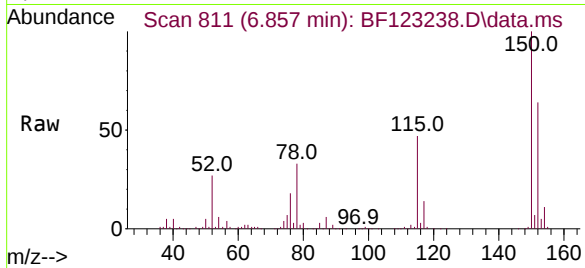




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.857 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: BF123238.D
 Acq: 19 Feb 2021 21:44

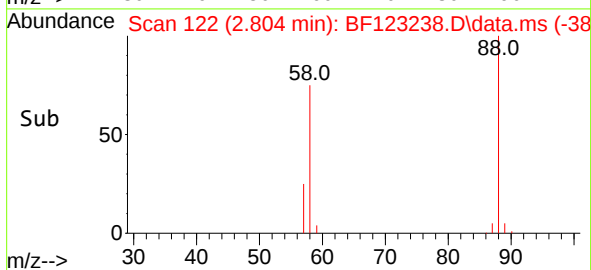
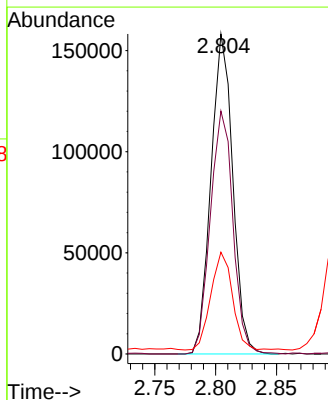
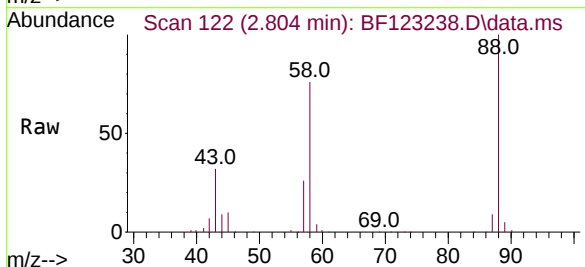
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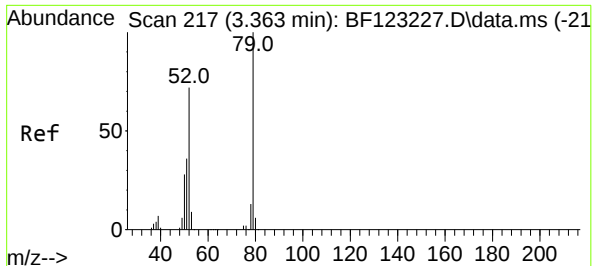
Tgt Ion:152 Resp: 178283
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.8 188.6
 115 74.1 49.3 73.9#



#2
 1,4-Dioxane
 Concen: 27.53 ng
 RT: 2.804 min Scan# 122
 Delta R.T. 0.194 min
 Lab File: BF123238.D
 Acq: 19 Feb 2021 21:44

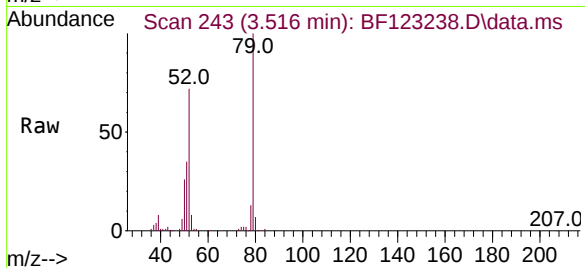
Tgt Ion: 88 Resp: 196754
 Ion Ratio Lower Upper
 88 100
 58 78.8 56.2 84.2
 43 0.0 21.8 32.6#





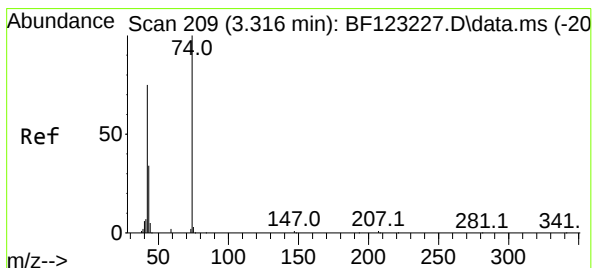
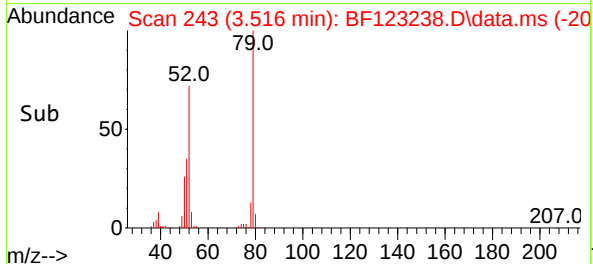
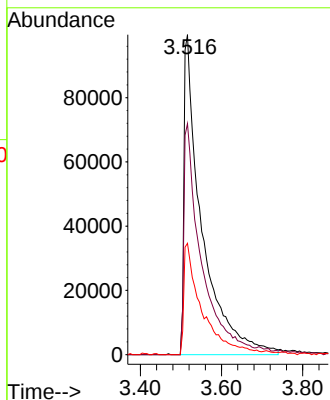
#3
Pyridine
Concen: 17.34 ng
RT: 3.516 min Scan# 243
Delta R.T. 0.153 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD



Tgt Ion: 79 Resp: 301924

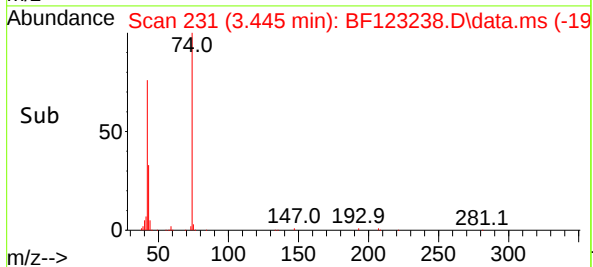
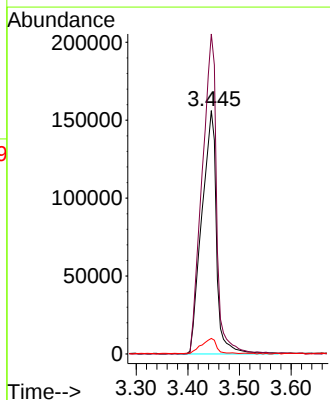
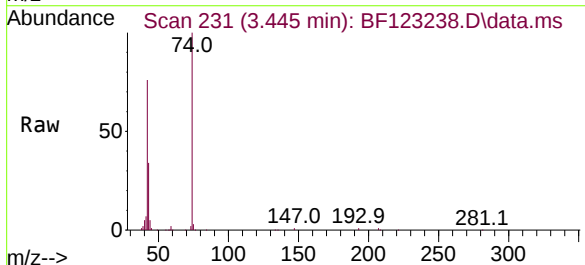
Ion	Ratio	Lower	Upper
79	100		
52	72.2	53.0	79.4
51	34.8	26.6	39.8

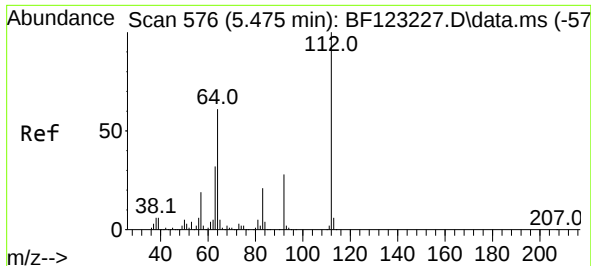


#4
n-Nitrosodimethylamine
Concen: 38.37 ng
RT: 3.445 min Scan# 231
Delta R.T. 0.129 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion: 42 Resp: 308994

Ion	Ratio	Lower	Upper
42	100		
74	131.5	115.2	172.8
44	6.4	5.4	8.0

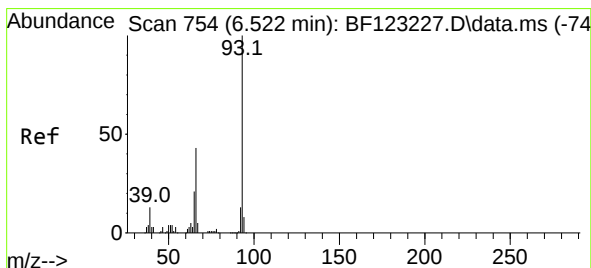
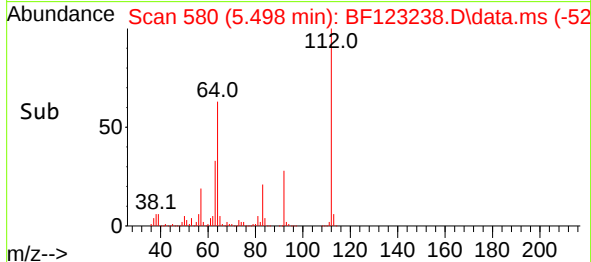
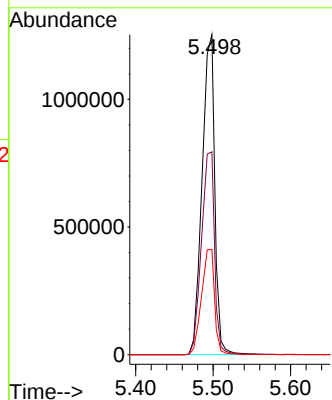
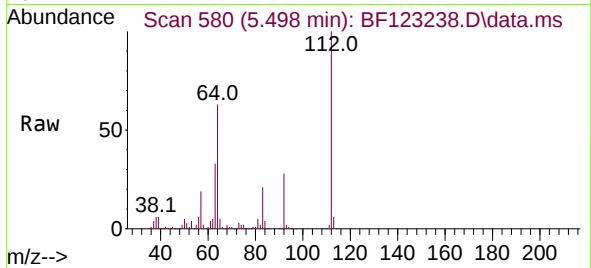




#5
2-Fluorophenol
Concen: 115.27 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.023 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

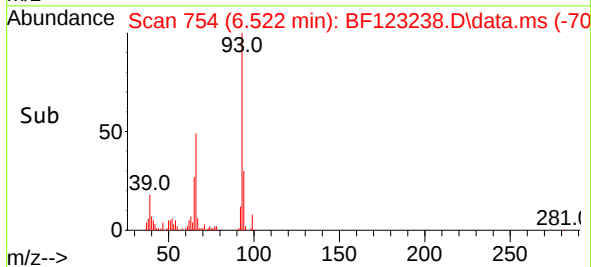
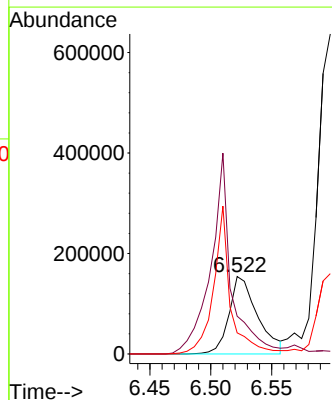
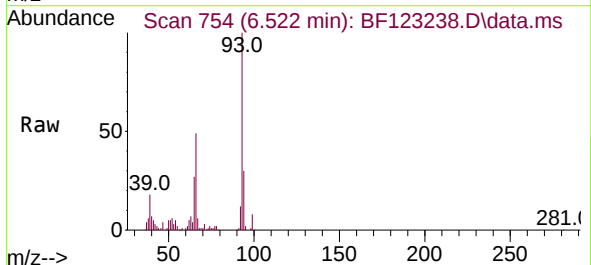
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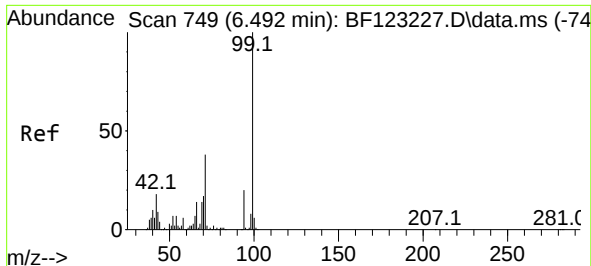
Tgt Ion:112 Resp: 1427745
Ion Ratio Lower Upper
112 100
64 63.4 46.9 70.3
63 32.9 24.5 36.7



#6
Aniline
Concen: 12.66 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion: 93 Resp: 251643
Ion Ratio Lower Upper
93 100
66 48.7 31.3 46.9#
65 27.3 15.6 23.4#



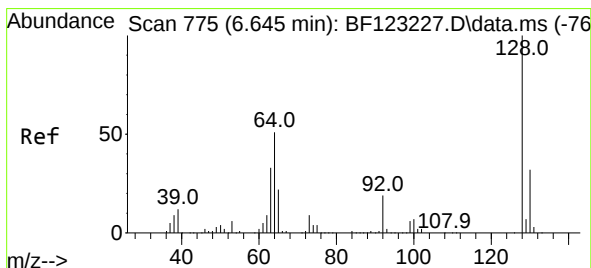
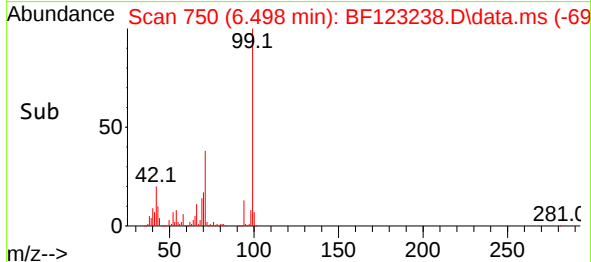
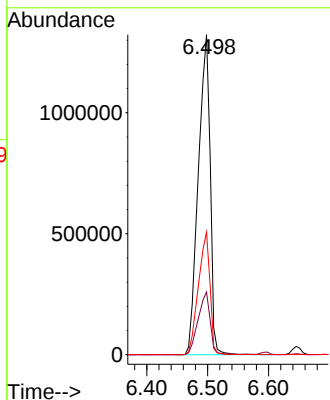
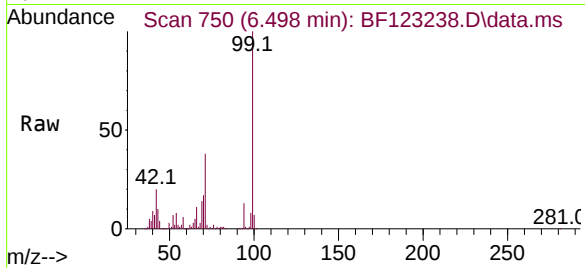


#7
Phenol-d6
Concen: 106.45 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

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ClientSampleId :
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Tgt Ion: 99 Resp: 1791283

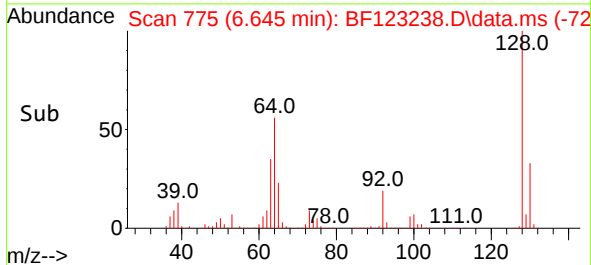
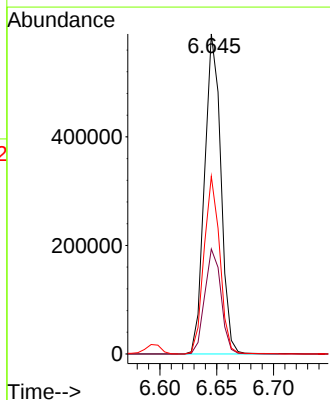
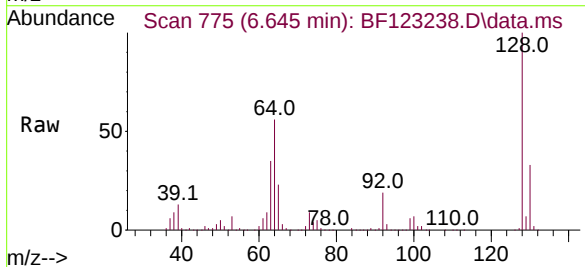
Ion	Ratio	Lower	Upper
99	100		
42	19.6	13.8	20.6
71	38.3	26.9	40.3

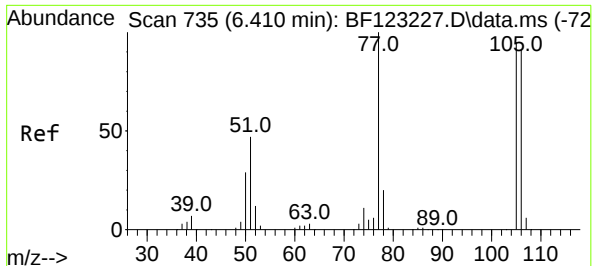


#8
2-Chlorophenol
Concen: 44.17 ng
RT: 6.645 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion: 128 Resp: 587775

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	55.5	25.5	65.5

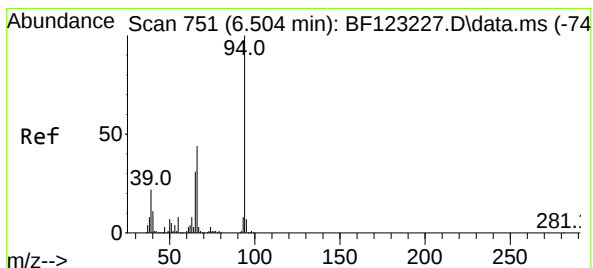
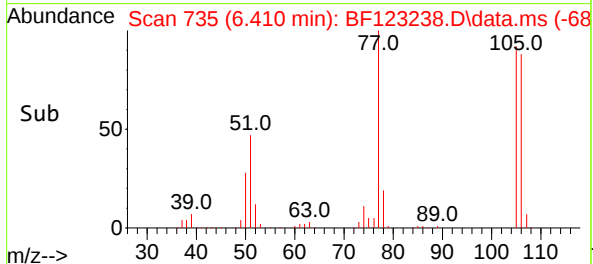
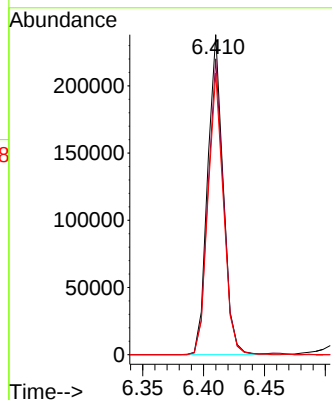
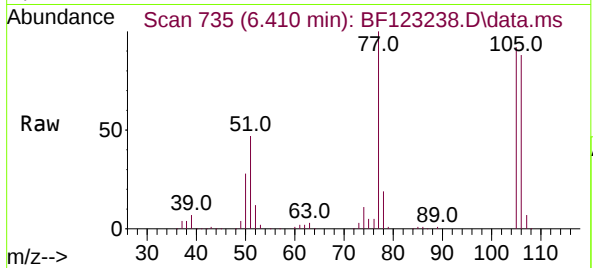




#9
Benzaldehyde
Concen: 20.78 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

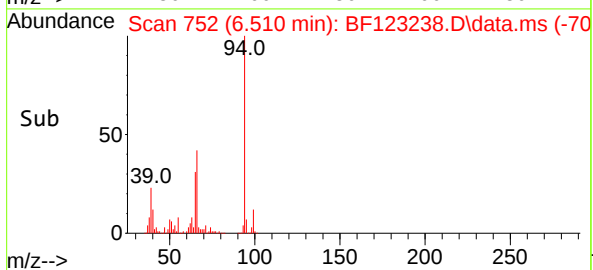
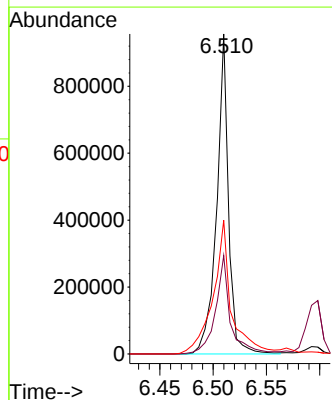
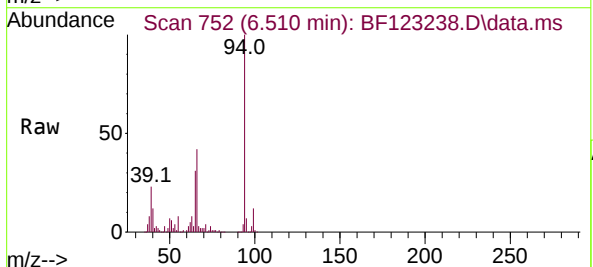
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ClientSampleId :
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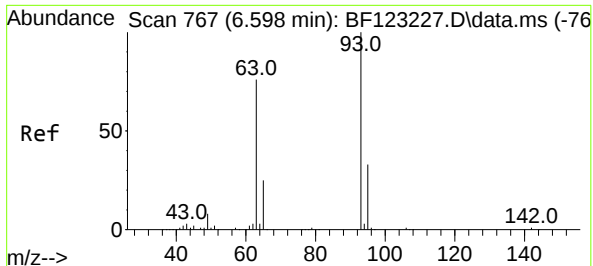
Tgt Ion: 77 Resp: 210260
Ion Ratio Lower Upper
77 100
105 92.5 80.6 120.6
106 88.1 77.2 117.2



#10
Phenol
Concen: 40.49 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion: 94 Resp: 742523
Ion Ratio Lower Upper
94 100
65 30.8 11.2 51.2
66 41.8 25.8 65.8

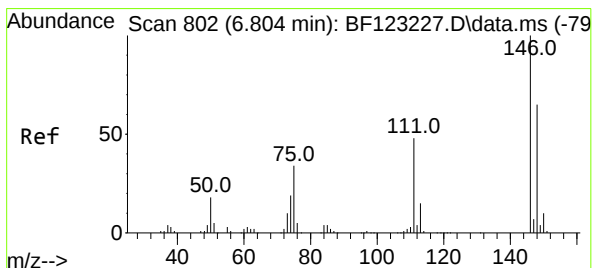
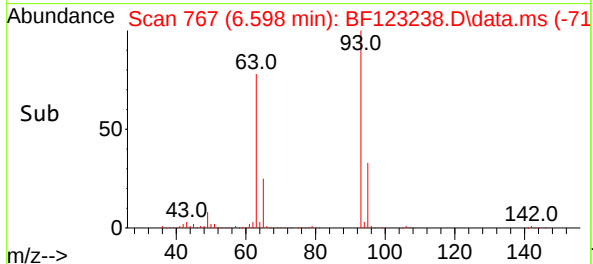
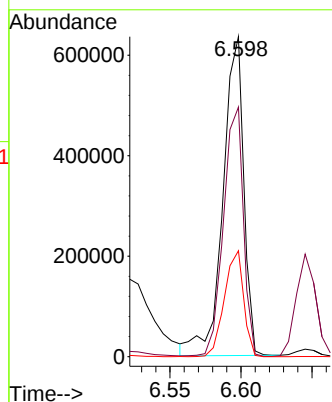
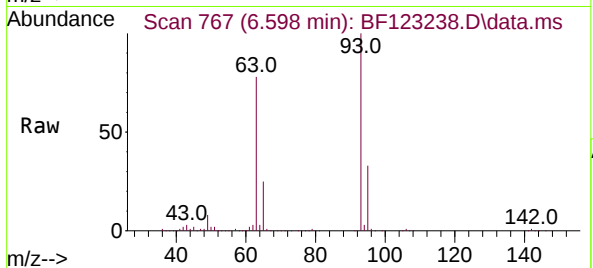




#11
bis(2-Chloroethyl)ether
Concen: 49.06 ng
RT: 6.598 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

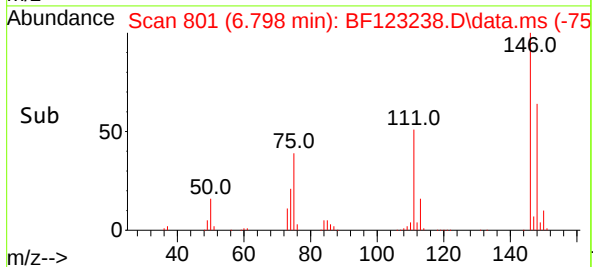
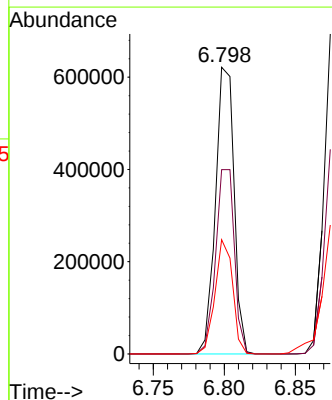
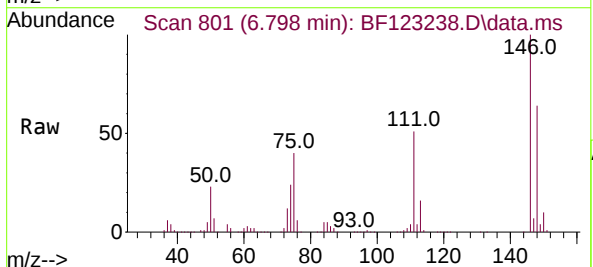
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

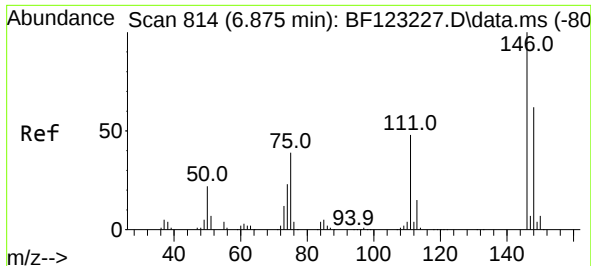
Tgt Ion:	93	Resp:	645305
Ion Ratio	Lower	Upper	
93	100		
63	78.0	52.6	92.6
95	33.1	12.6	52.6



#12
1,3-Dichlorobenzene
Concen: 40.94 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:	146	Resp:	566712
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.8	77.8
75	39.9	22.5	33.7#





#13

1,4-Dichlorobenzene

Concen: 41.04 ng

RT: 6.875 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

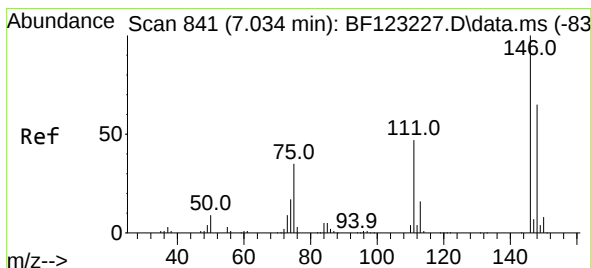
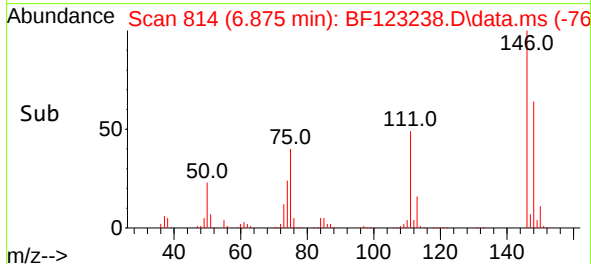
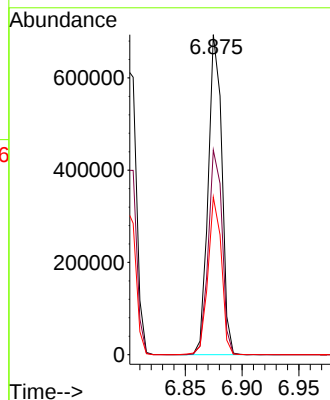
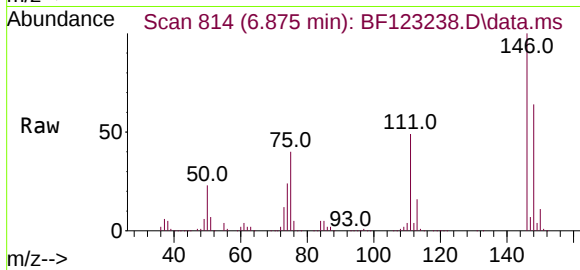
Tgt Ion:146 Resp: 578880

Ion Ratio Lower Upper

146 100

148 63.9 52.0 78.0

111 49.2 32.3 48.5#



#14

1,2-Dichlorobenzene

Concen: 42.79 ng

RT: 7.028 min Scan# 840

Delta R.T. -0.006 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

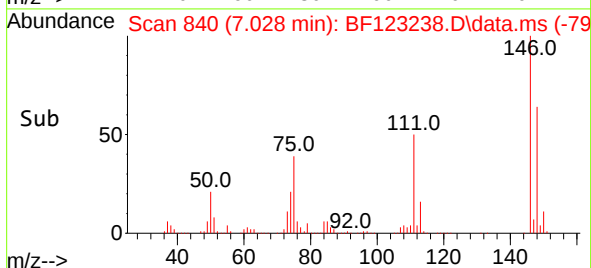
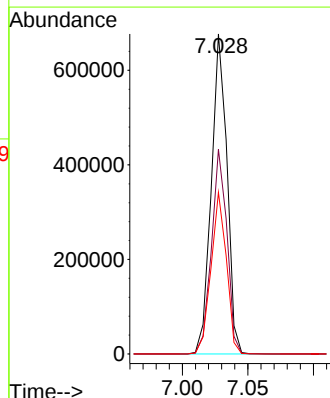
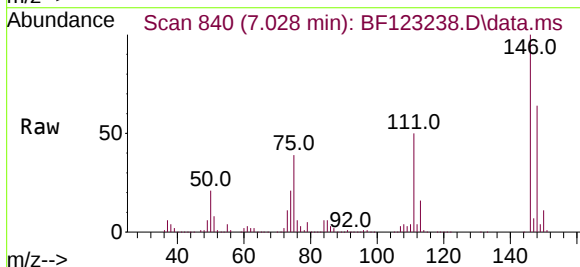
Tgt Ion:146 Resp: 561525

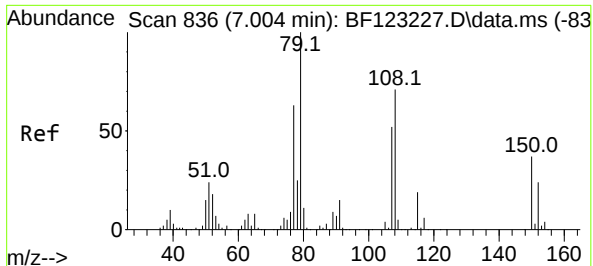
Ion Ratio Lower Upper

146 100

148 64.0 51.5 77.3

111 50.5 34.2 51.2





#15

Benzyl Alcohol

Concen: 44.21 ng

RT: 7.004 min Scan# 836

Delta R.T. -0.000 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion: 79 Resp: 580025

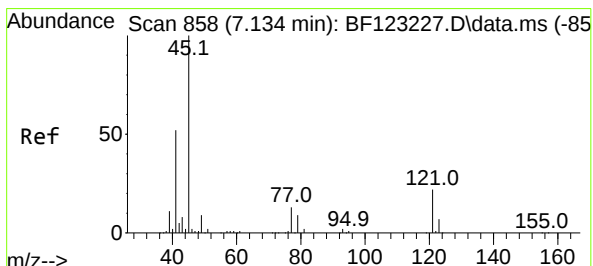
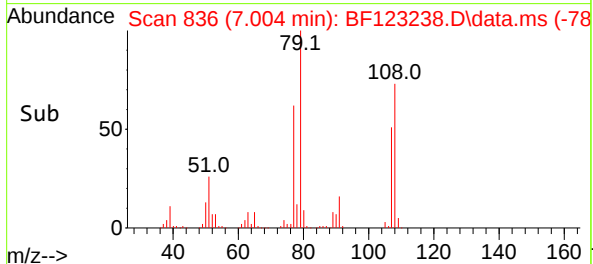
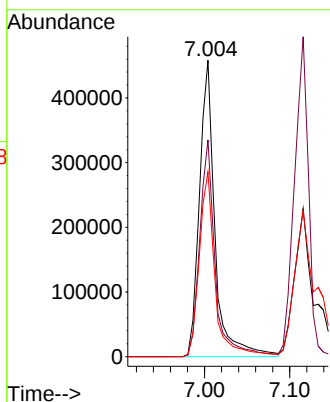
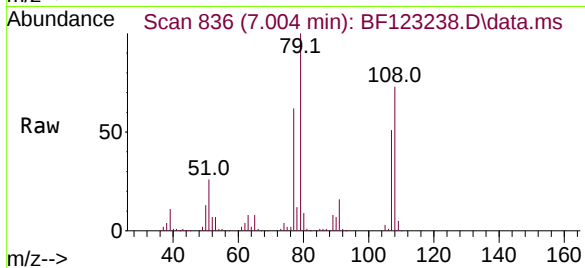
Ion	Ratio	Lower	Upper
79	100		
108	73.1	62.4	93.6
77	62.4	49.0	73.6

Instrument :

BNA_F

ClientSampleId :

SAND-SOIL-PILEMSD



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.26 ng

RT: 7.133 min Scan# 858

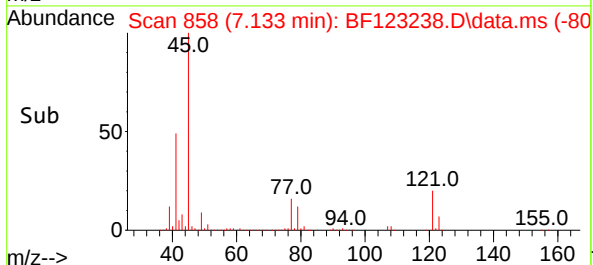
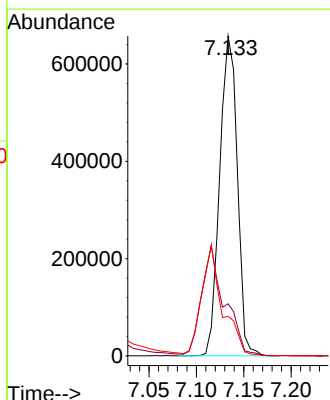
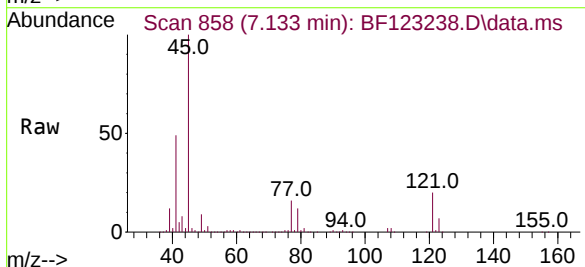
Delta R.T. -0.000 min

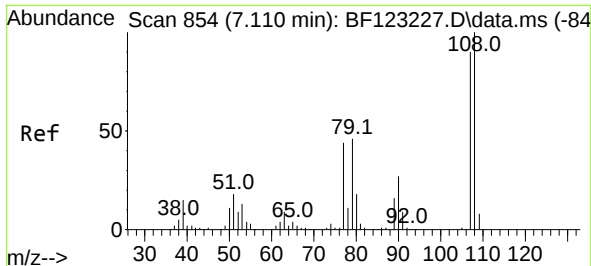
Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion: 45 Resp: 852578

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	35.6
79	12.3	0.0	32.4

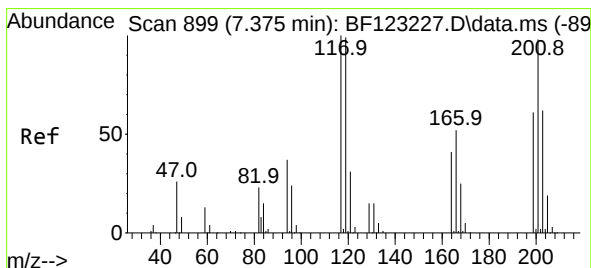
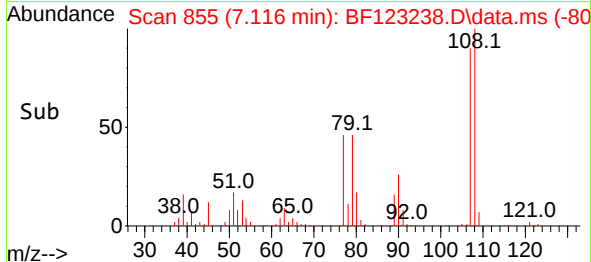
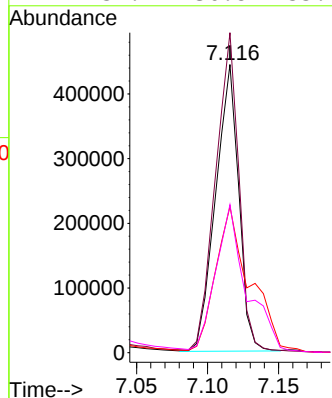
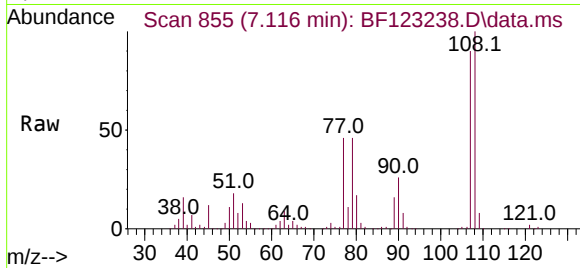




#17
2-Methylphenol
Concen: 44.74 ng
RT: 7.116 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

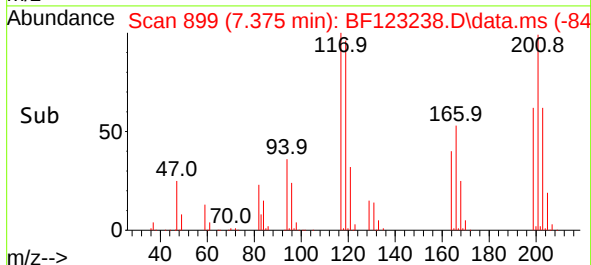
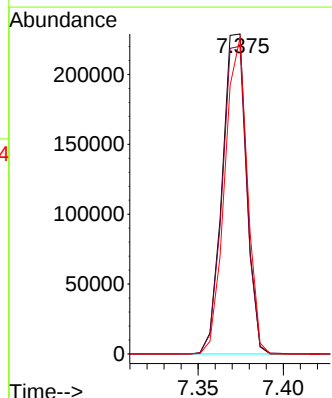
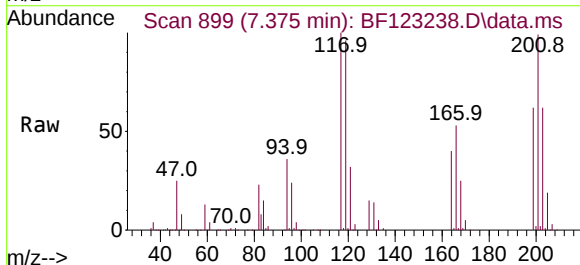
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

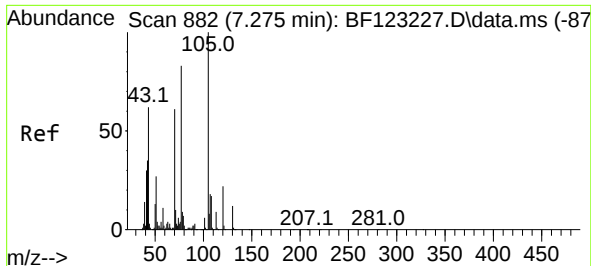
Tgt Ion:107 Resp: 500738
Ion Ratio Lower Upper
107 100
108 111.0 91.1 136.7
77 50.7 36.3 54.5
79 51.4 36.8 55.2



#18
Hexachloroethane
Concen: 44.82 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:117 Resp: 228394
Ion Ratio Lower Upper
117 100
119 96.1 78.4 117.6
201 98.9 79.6 119.4

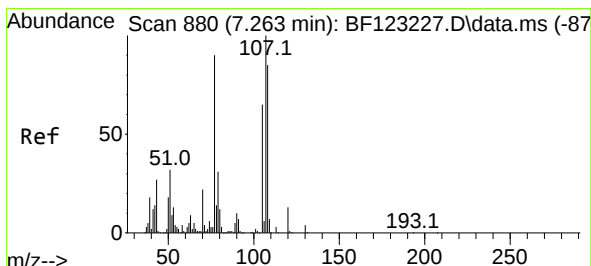
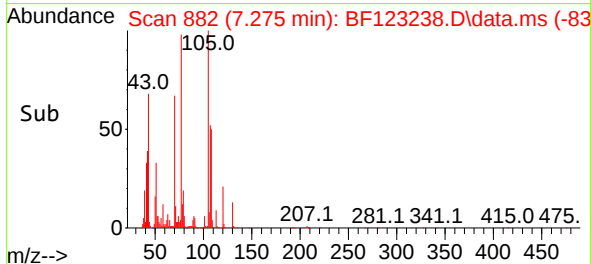
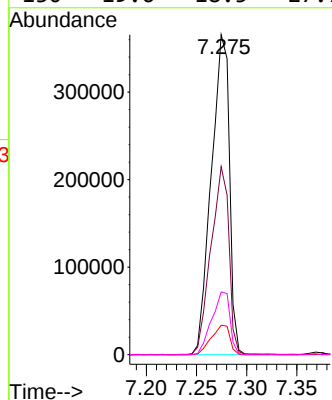
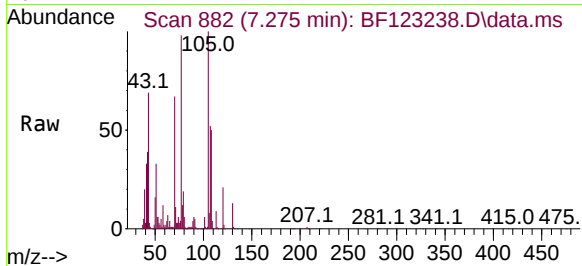




#19
n-Nitroso-di-n-propylamine
Concen: 45.94 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

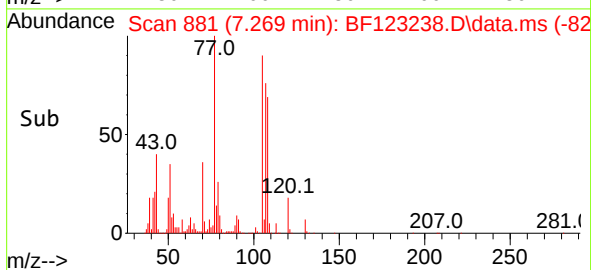
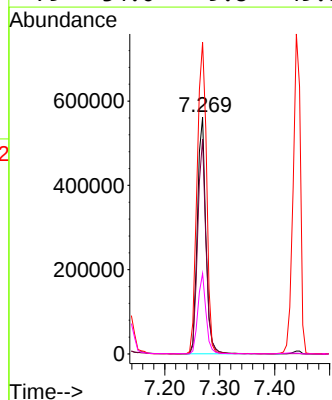
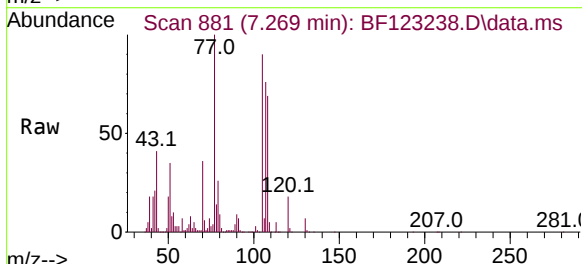
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

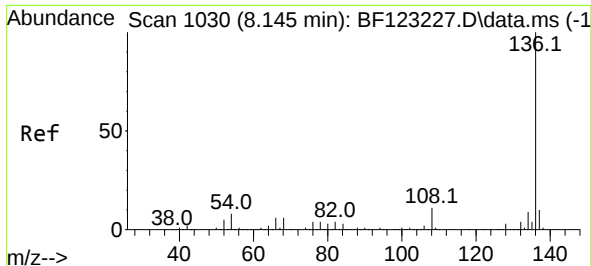
Tgt Ion:	70	Resp:	459860
Ion	Ratio	Lower	Upper
70	100		
42	58.7	43.0	64.4
101	9.2	7.9	11.9
130	19.6	18.5	27.7



#20
3+4-Methylphenols
Concen: 40.79 ng
RT: 7.269 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

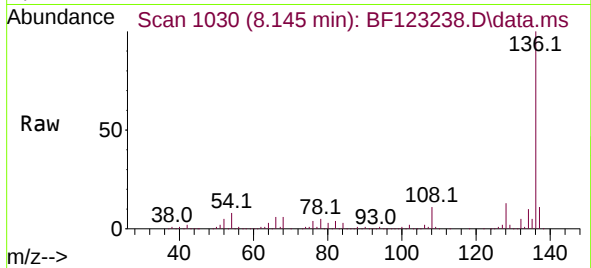
Tgt Ion:	107	Resp:	599474
Ion	Ratio	Lower	Upper
107	100		
108	90.8	68.7	108.7
77	131.6	89.8	129.8#
79	34.0	9.8	49.8



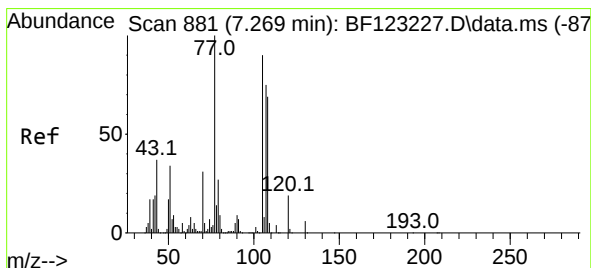
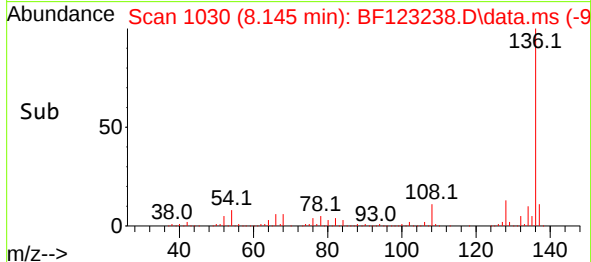
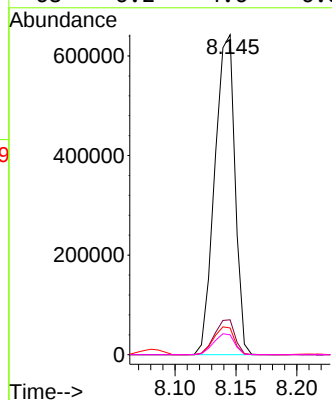


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

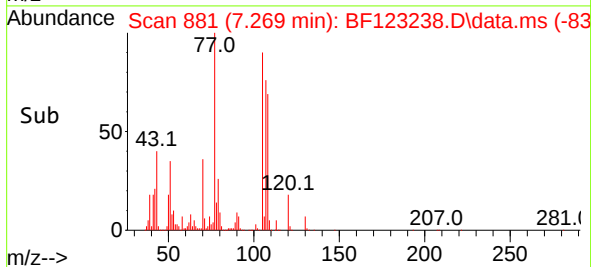
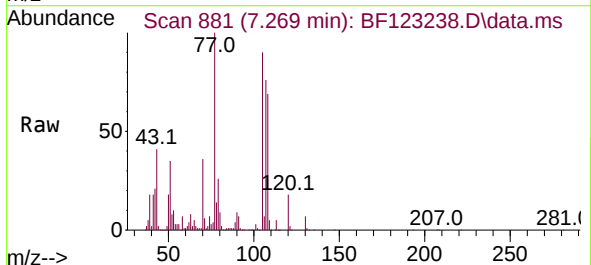
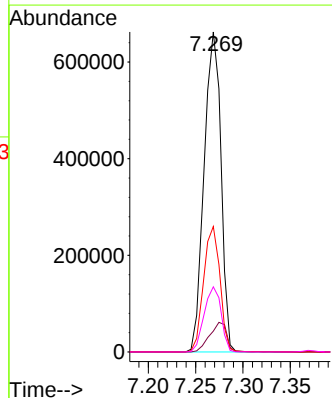


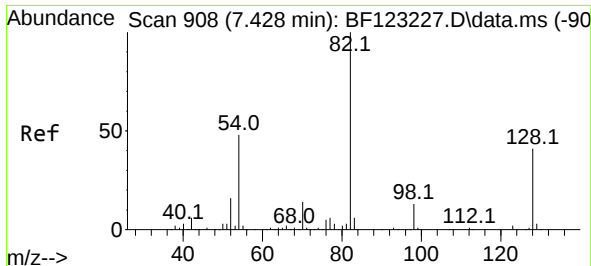
Tgt Ion:	136	Resp:	742238
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	8.3	5.5	8.3#
68	6.2	4.6	6.8



#22
Acetophenone
Concen: 42.53 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:	105	Resp:	818918
Ion Ratio	Lower	Upper	
105	100		
71	6.5	6.5	9.7
51	39.2	24.3	36.5#
120	20.3	18.1	27.1





#23

Nitrobenzene-d5

Concen: 79.19 ng

RT: 7.422 min Scan# 907

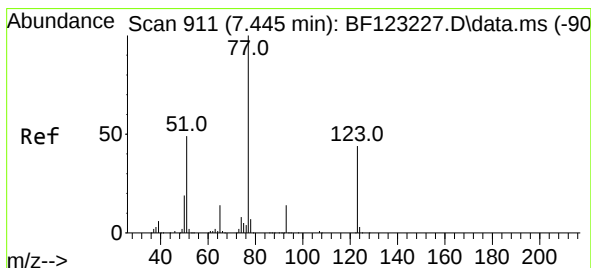
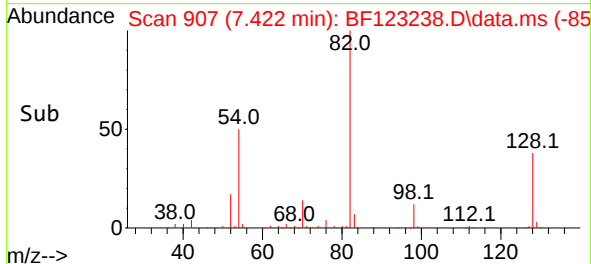
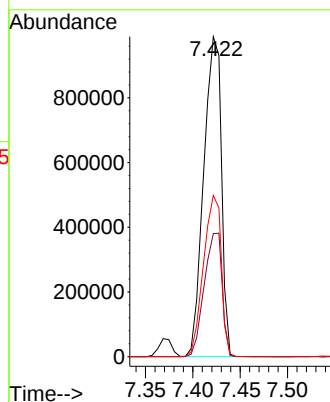
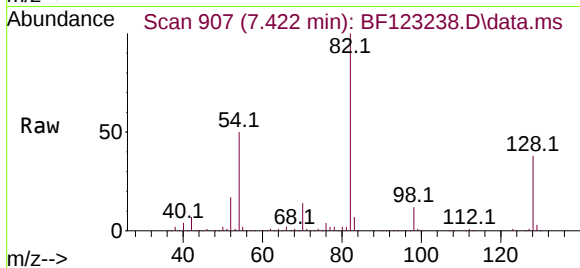
Delta R.T. -0.006 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion: 82 Resp: 1284030

Ion	Ratio	Lower	Upper
82	100		
128	38.5	37.0	55.4
54	50.4	38.4	57.6



#24

Nitrobenzene

Concen: 41.23 ng

RT: 7.439 min Scan# 910

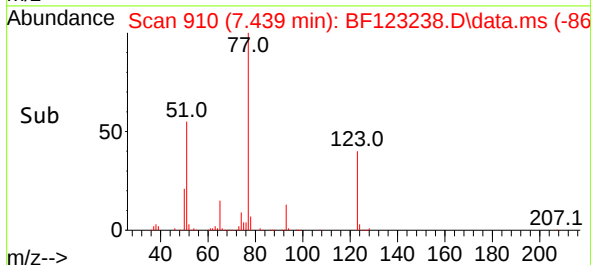
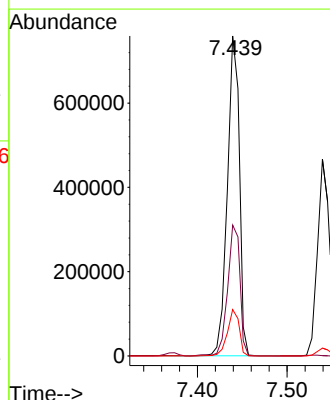
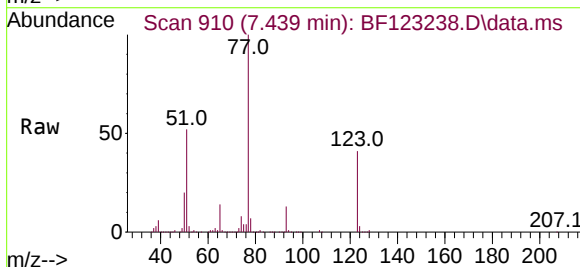
Delta R.T. -0.006 min

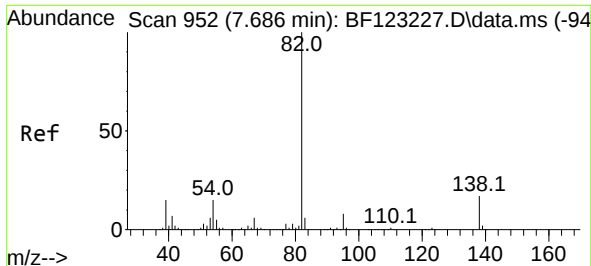
Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion: 77 Resp: 704826

Ion	Ratio	Lower	Upper
77	100		
123	40.9	39.3	58.9
65	14.5	10.6	15.8

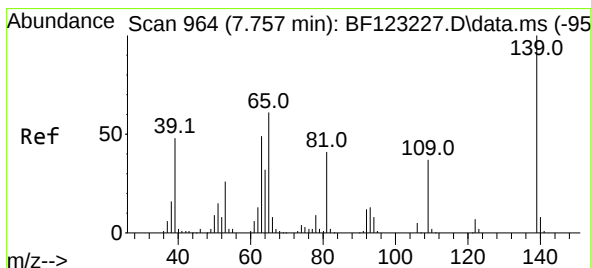
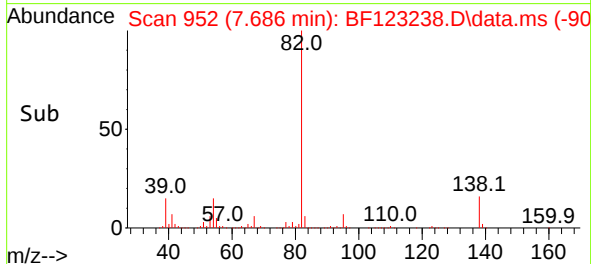
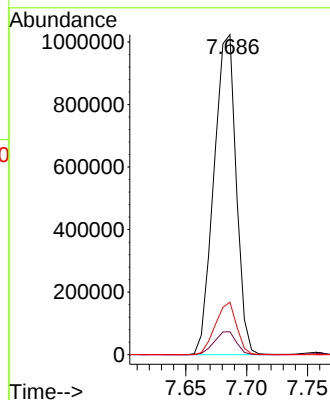
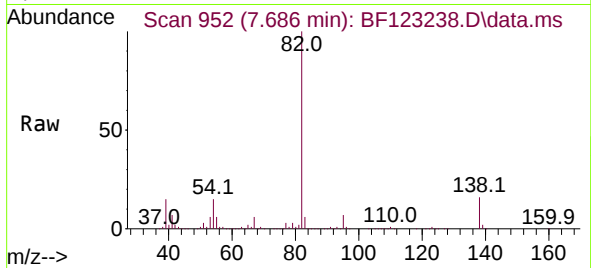




#25
Isophorone
Concen: 43.02 ng
RT: 7.686 min Scan# 952
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

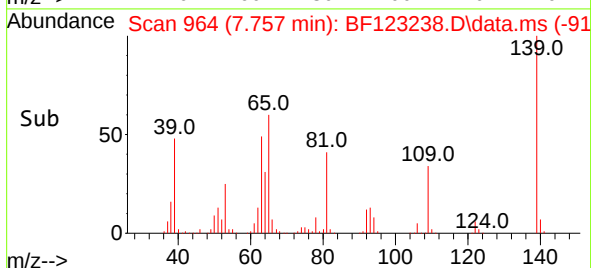
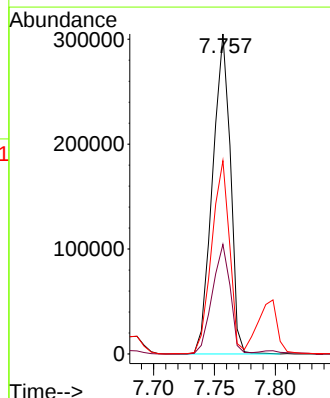
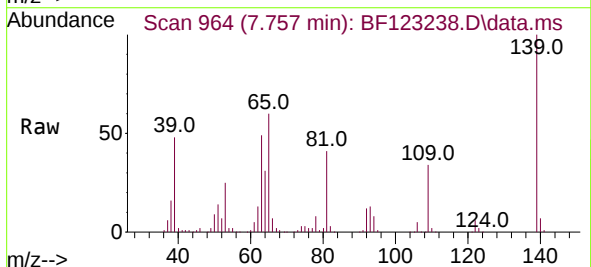
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

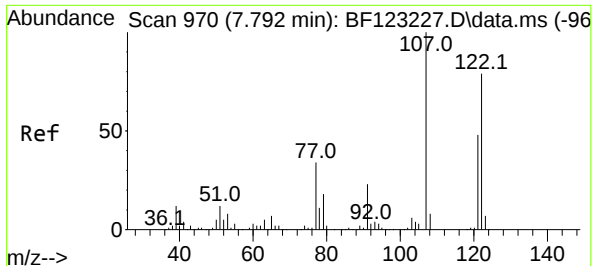
Tgt Ion: 82 Resp: 1304249
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.6
138 16.4 14.6 21.8



#26
2-Nitrophenol
Concen: 43.43 ng
RT: 7.757 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:139 Resp: 311034
Ion Ratio Lower Upper
139 100
109 34.2 24.0 36.0
65 60.4 40.9 61.3





#27

2,4-Dimethylphenol

Concen: 44.73 ng

RT: 7.798 min Scan# 971

Delta R.T. 0.006 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

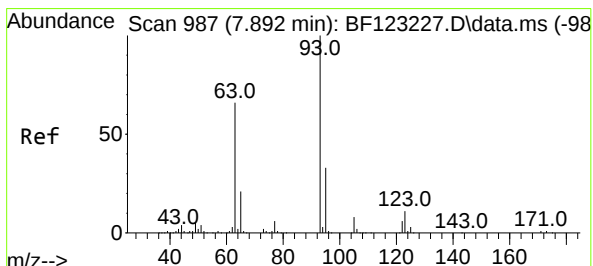
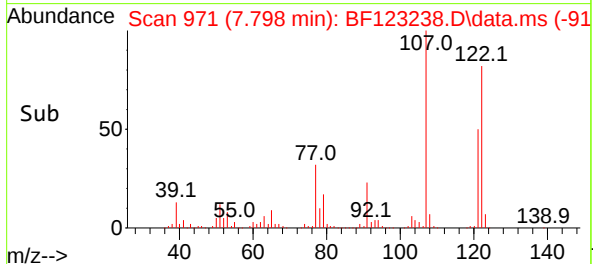
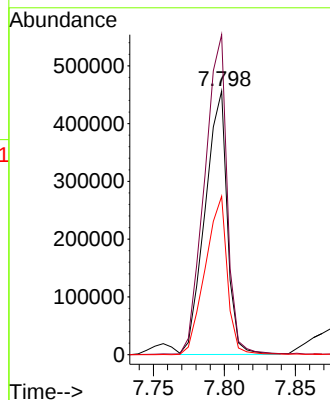
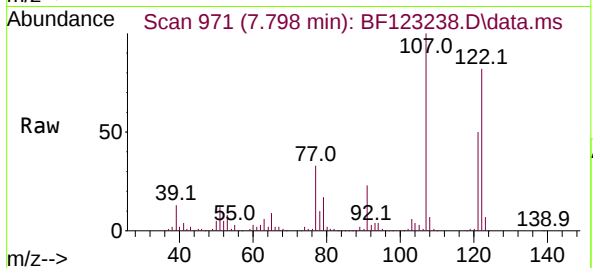
Tgt Ion:122 Resp: 495871

Ion Ratio Lower Upper

122 100

107 121.3 91.8 137.8

121 60.1 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 49.14 ng

RT: 7.892 min Scan# 987

Delta R.T. -0.000 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

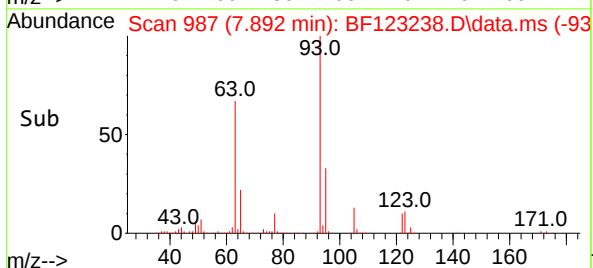
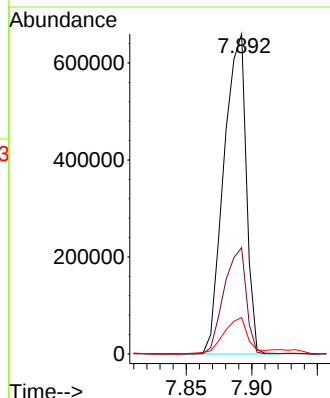
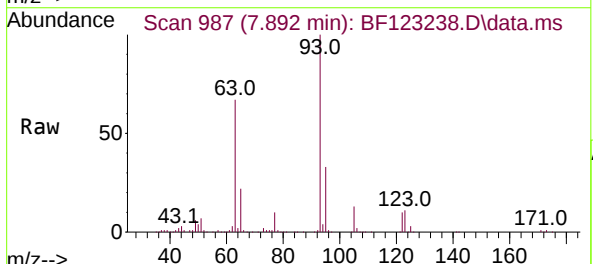
Tgt Ion: 93 Resp: 779864

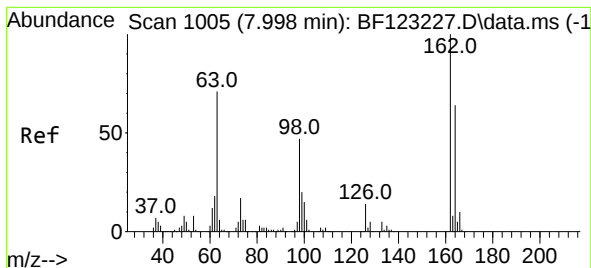
Ion Ratio Lower Upper

93 100

95 33.2 26.2 39.2

123 11.3 9.2 13.8

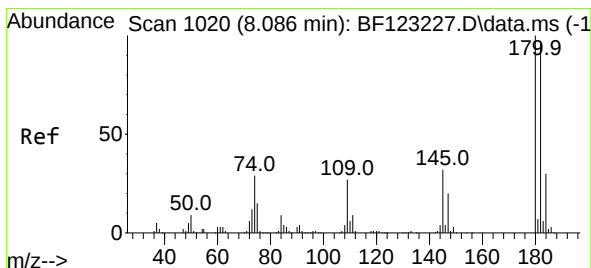
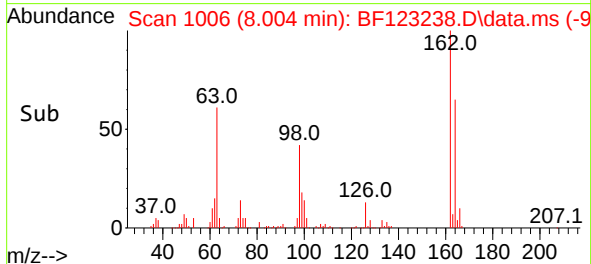
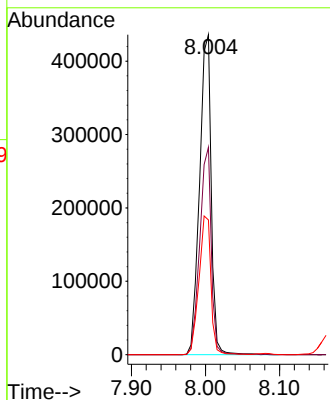
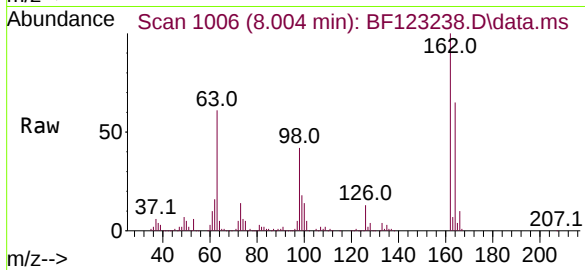




#29
2,4-Dichlorophenol
Concen: 41.70 ng
RT: 8.004 min Scan# 1006
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

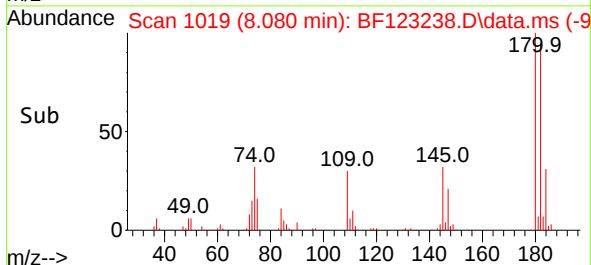
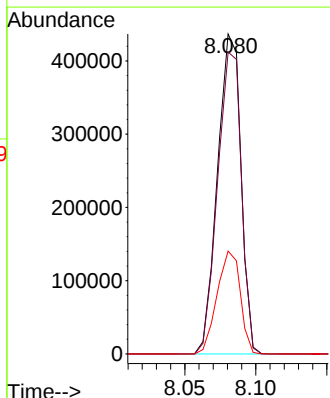
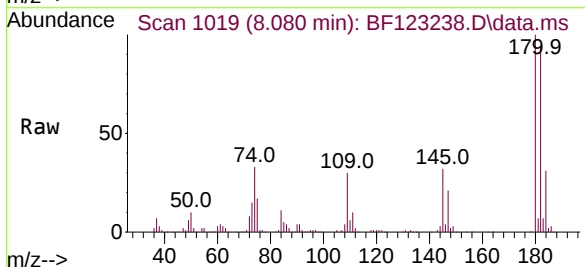
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

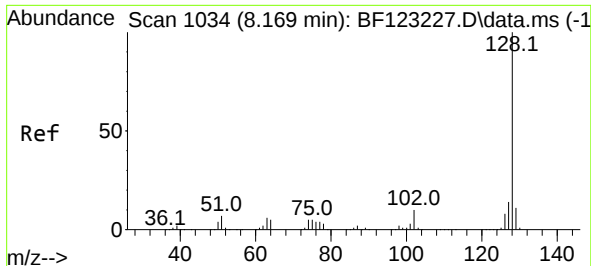
Tgt Ion:162 Resp: 477241
Ion Ratio Lower Upper
162 100
164 64.8 43.2 83.2
98 42.1 15.2 55.2



#30
1,2,4-Trichlorobenzene
Concen: 40.26 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:180 Resp: 501065
Ion Ratio Lower Upper
180 100
182 94.3 75.7 113.5
145 32.2 25.0 37.4

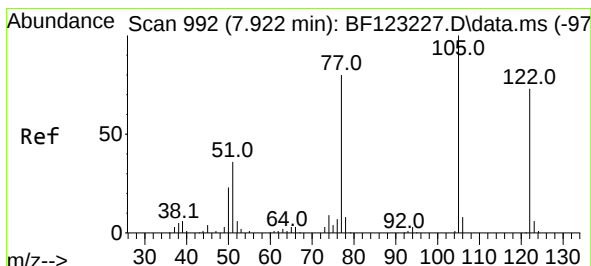
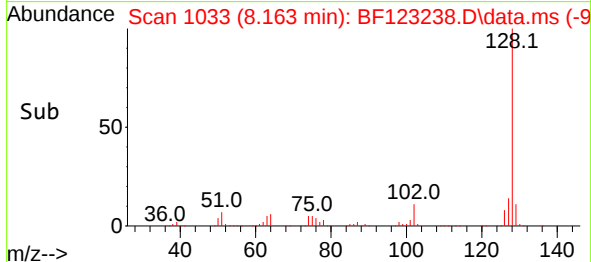
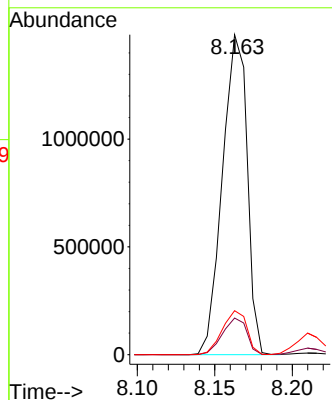
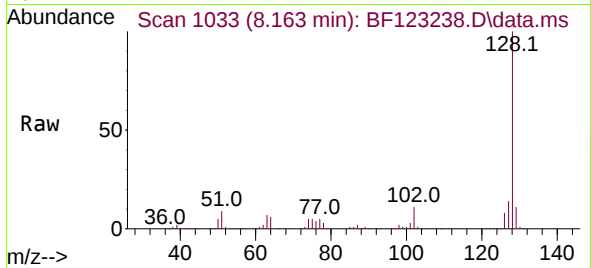




#31
Naphthalene
Concen: 40.56 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

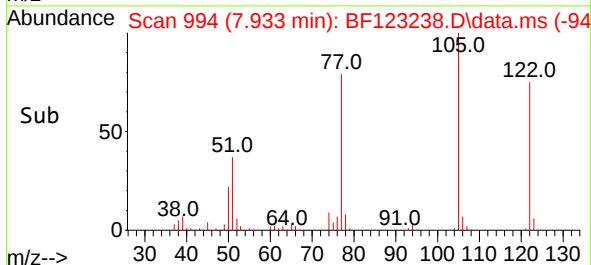
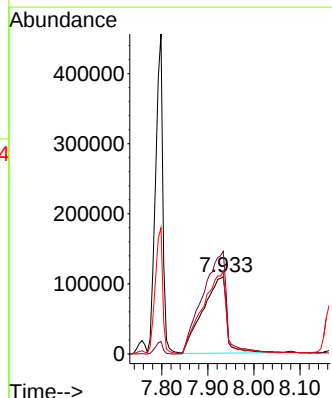
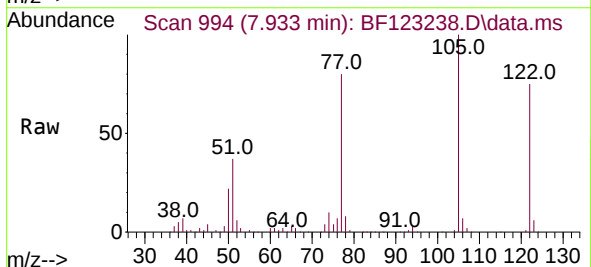
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

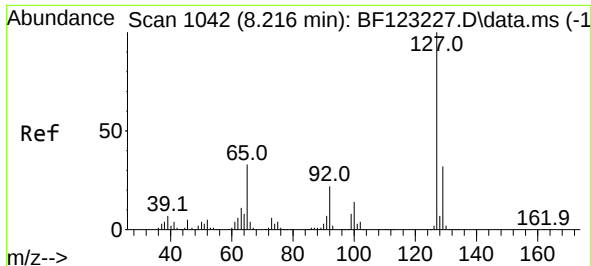
Tgt Ion:128 Resp: 1649812
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.8 10.7 16.1



#32
Benzoic acid
Concen: 48.25 ng
RT: 7.933 min Scan# 994
Delta R.T. 0.012 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:122 Resp: 394539
Ion Ratio Lower Upper
122 100
105 132.8 104.8 144.8
77 106.9 71.0 111.0

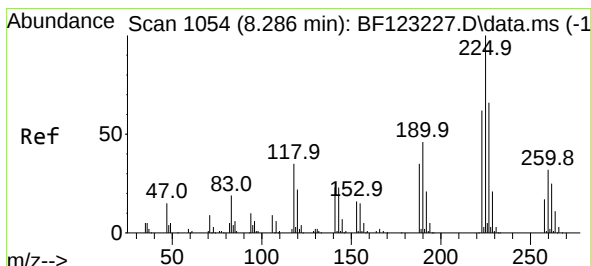
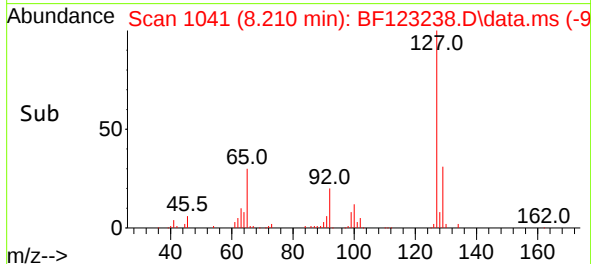
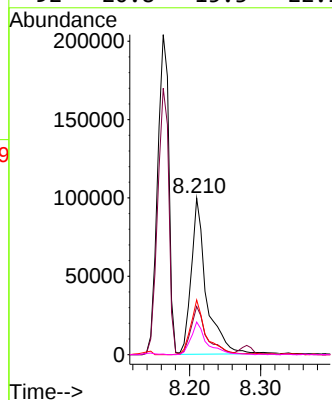
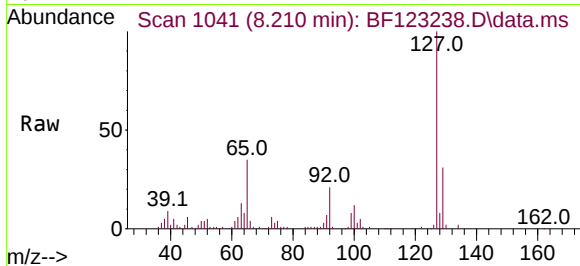




#33
4-Chloroaniline
Concen: 8.93 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

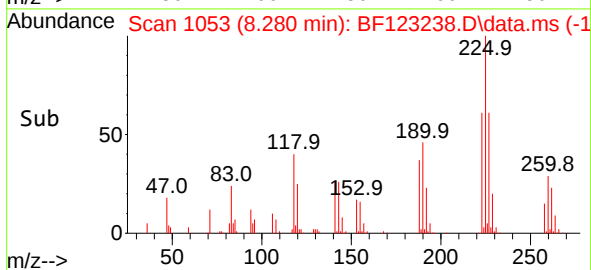
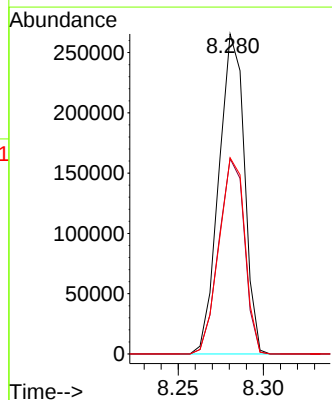
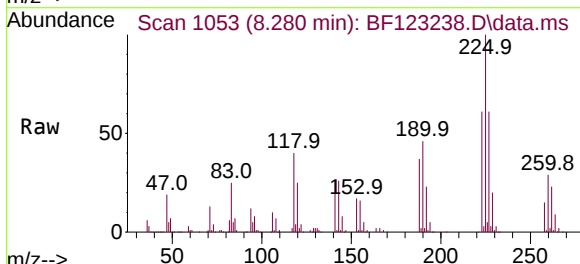
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

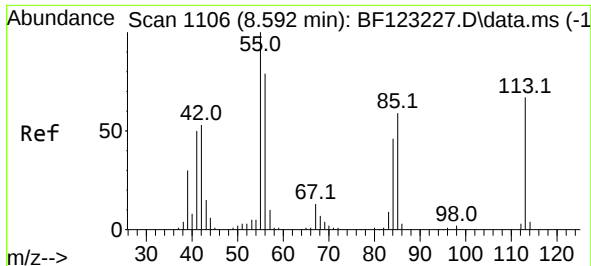
Tgt Ion:	127	Resp:	147759
Ion Ratio	Lower	Upper	
127	100		
129	30.8	26.2	39.2
65	35.0	22.2	33.2#
92	20.8	15.3	22.9



#34
Hexachlorobutadiene
Concen: 39.46 ng
RT: 8.280 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:	225	Resp:	276992
Ion Ratio	Lower	Upper	
225	100		
223	61.0	50.7	76.1
227	61.3	51.7	77.5

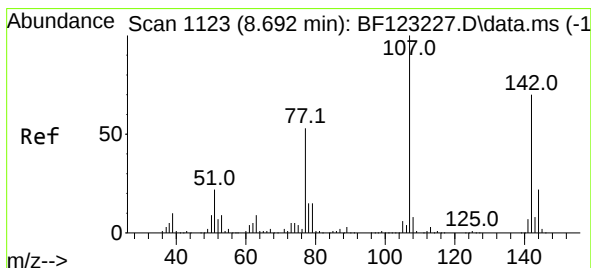
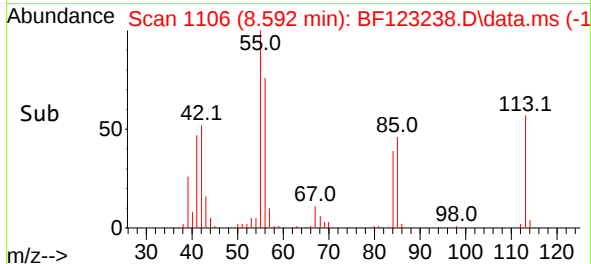
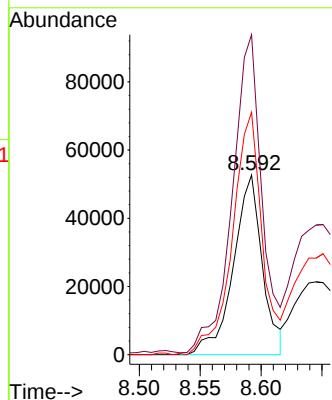
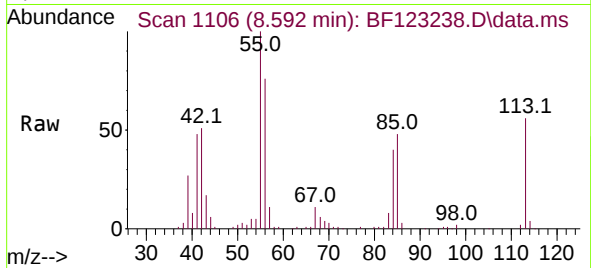




#35
Caprolactam
Concen: 22.81 ng
RT: 8.592 min Scan# 1106
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

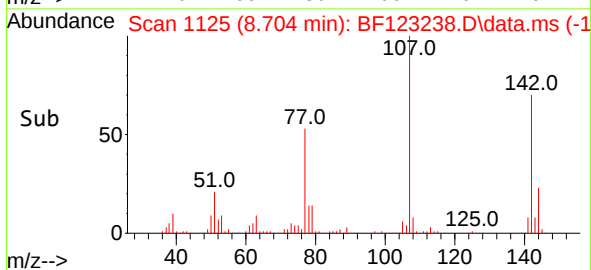
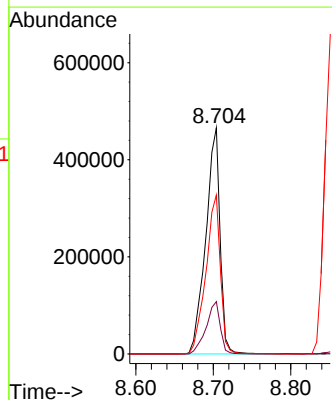
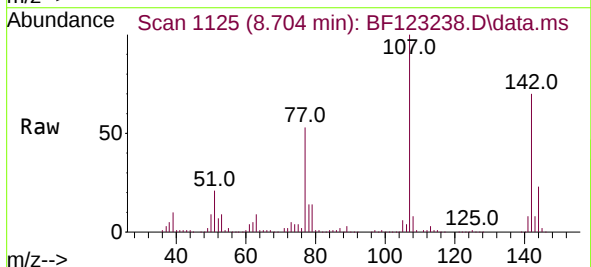
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

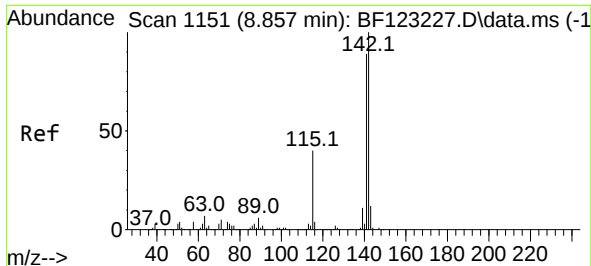
Tgt Ion:113 Resp: 87588
Ion Ratio Lower Upper
113 100
55 178.1 133.7 173.7#
56 134.9 95.3 135.3



#36
4-Chloro-3-methylphenol
Concen: 44.01 ng
RT: 8.704 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:107 Resp: 598749
Ion Ratio Lower Upper
107 100
144 23.1 20.2 30.2
142 70.2 64.4 96.6

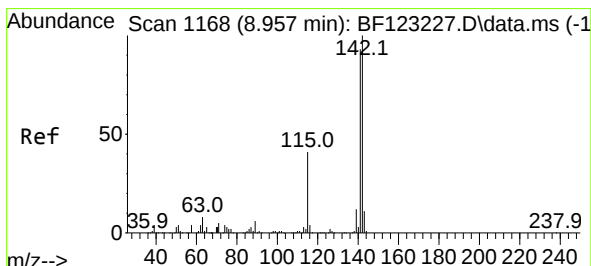
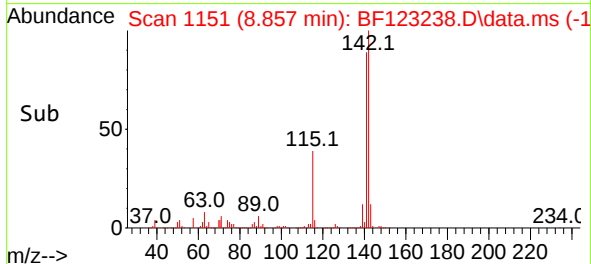
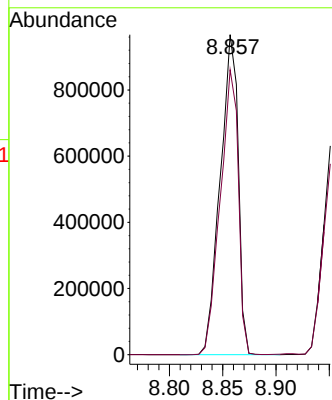
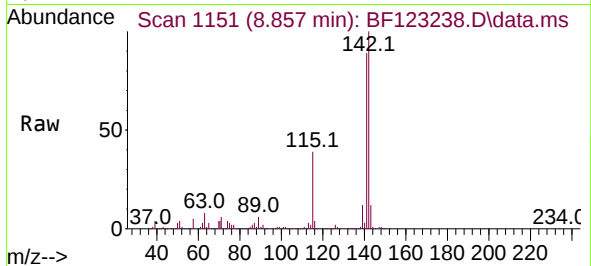




#37
2-Methylnaphthalene
Concen: 41.88 ng
RT: 8.857 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

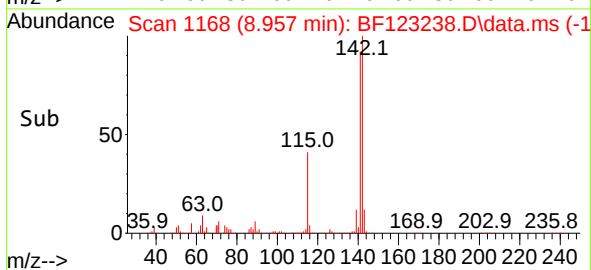
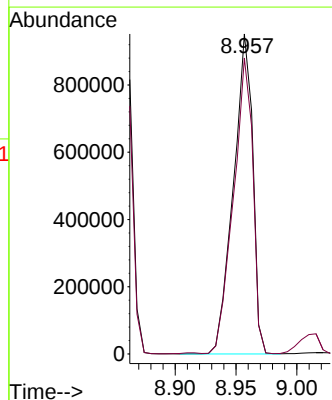
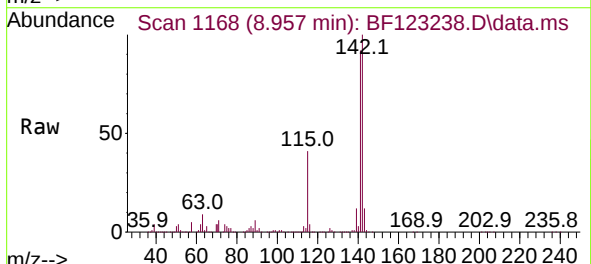
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

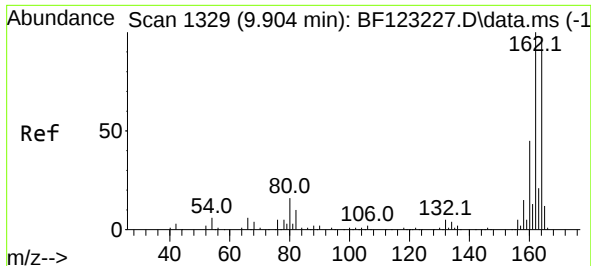
Tgt Ion:142 Resp: 1134817
Ion Ratio Lower Upper
142 100
141 89.0 70.6 106.0



#38
1-Methylnaphthalene
Concen: 41.55 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:142 Resp: 1052950
Ion Ratio Lower Upper
142 100
141 92.5 74.5 111.7





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.000 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion:164 Resp: 385785

Ion Ratio Lower Upper

164 100

162 105.1 80.8 121.2

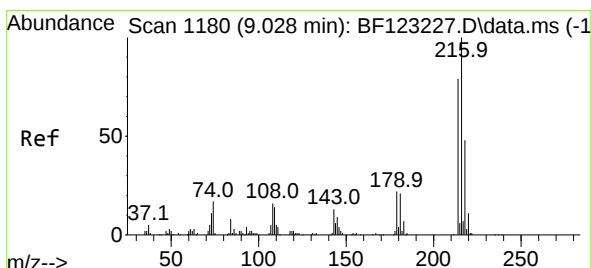
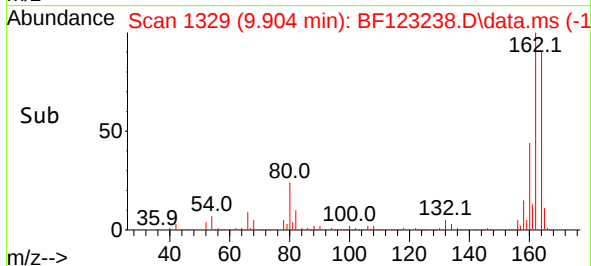
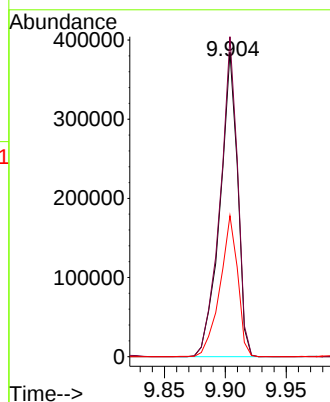
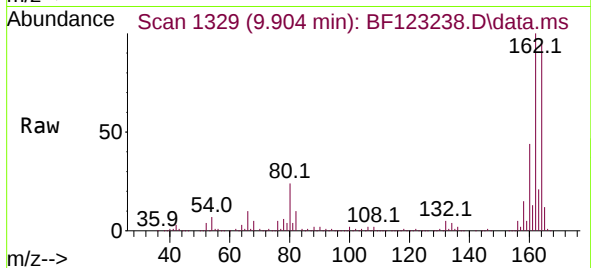
160 46.3 35.4 53.0

Instrument :

BNA_F

ClientSampleId :

SAND-SOIL-PILEMSD



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.65 ng

RT: 9.027 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion:216 Resp: 468654

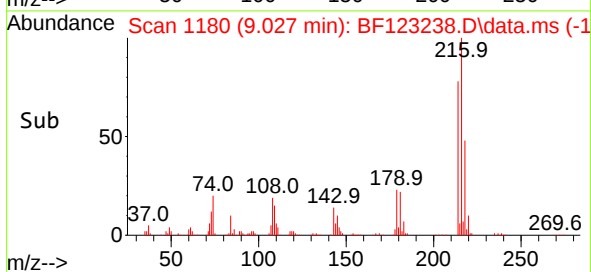
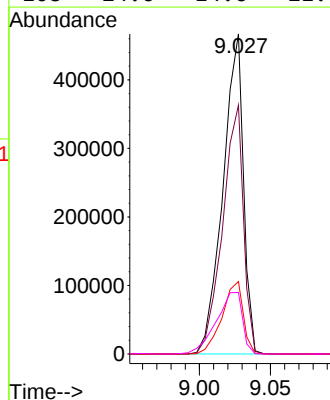
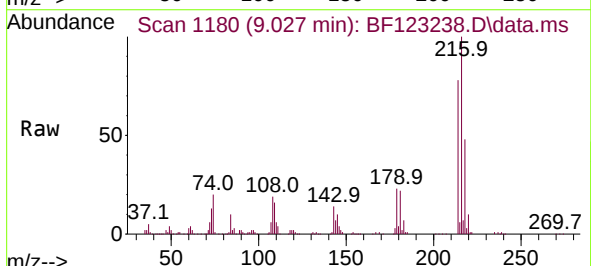
Ion Ratio Lower Upper

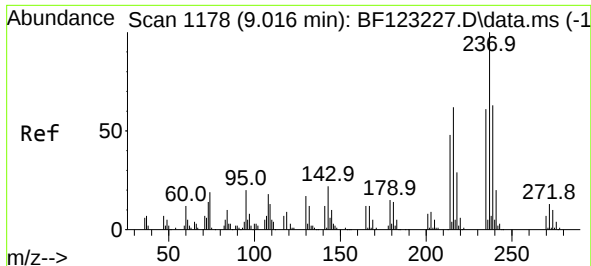
216 100

214 78.8 63.1 94.7

179 23.3 17.1 25.7

108 24.6 14.6 21.8#

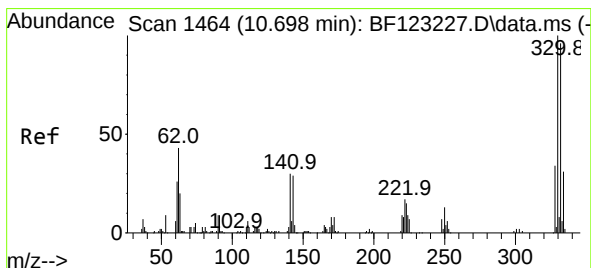
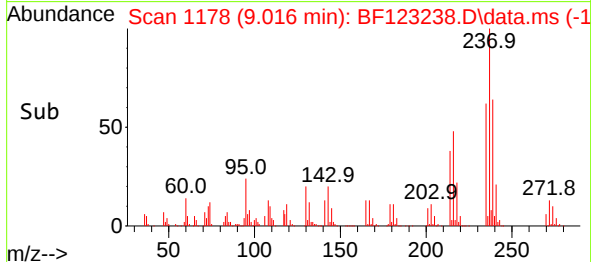
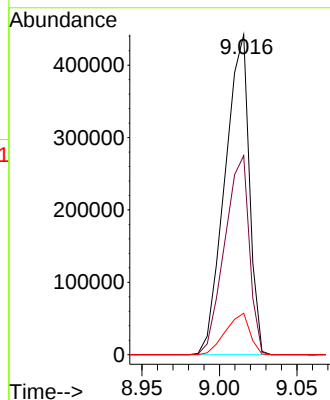
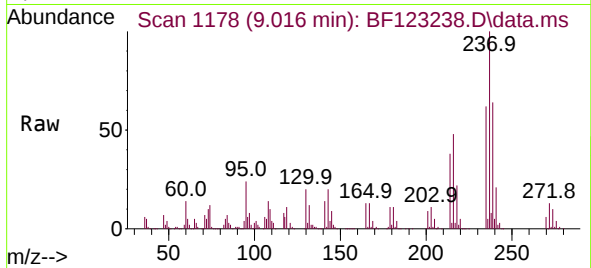




#41
Hexachlorocyclopentadiene
Concen: 89.41 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

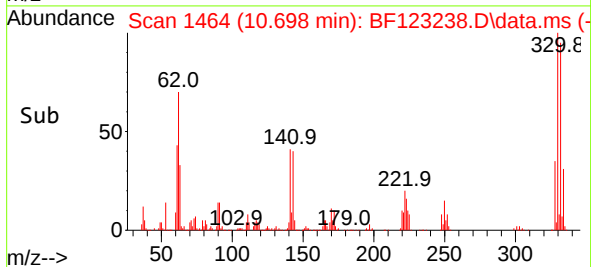
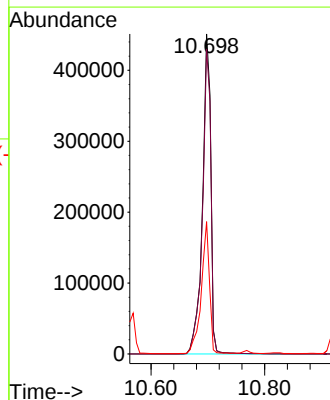
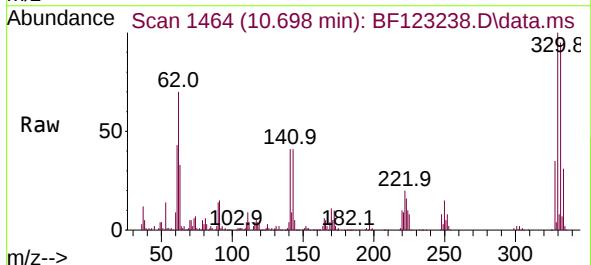
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

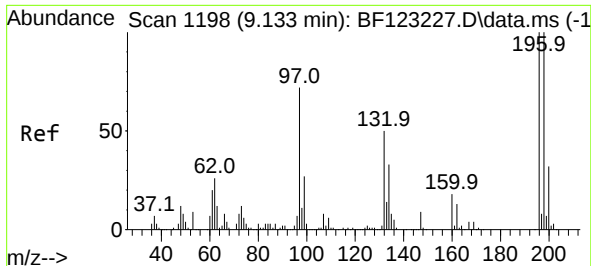
Tgt Ion:237 Resp: 482883
Ion Ratio Lower Upper
237 100
235 62.2 40.9 80.9
272 13.0 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 117.47 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:330 Resp: 461440
Ion Ratio Lower Upper
330 100
332 96.3 77.5 116.3
141 40.5 23.8 35.8#

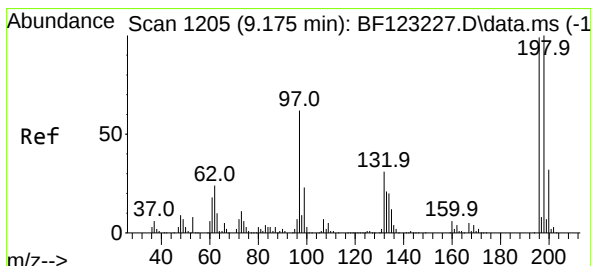
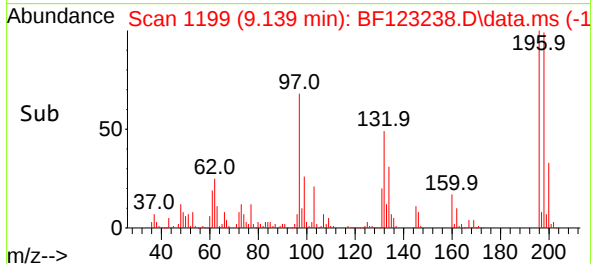
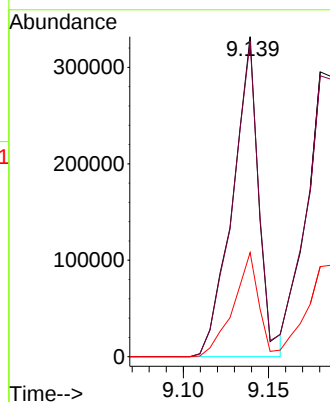
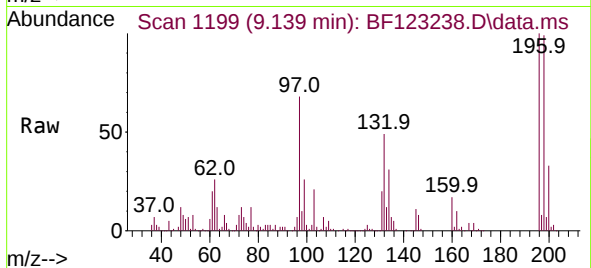




#43
2,4,6-Trichlorophenol
Concen: 43.15 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

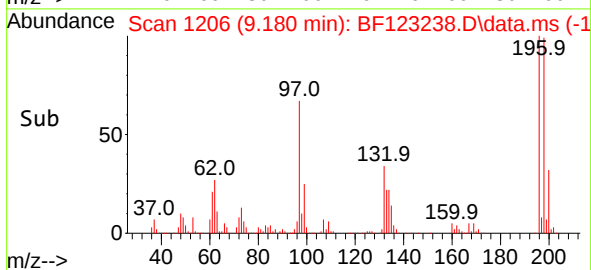
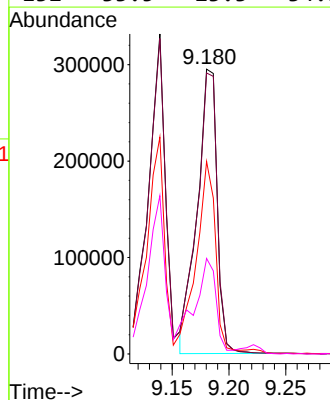
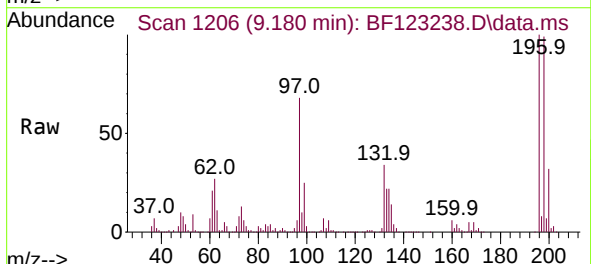
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

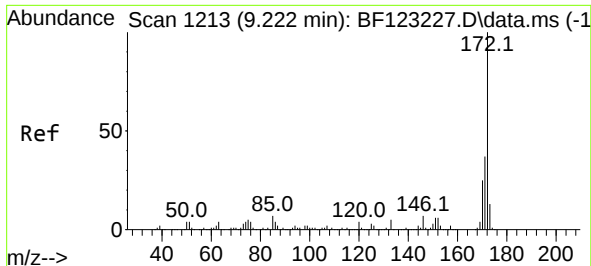
Tgt Ion:196 Resp: 352743
Ion Ratio Lower Upper
196 100
198 98.6 75.1 112.7
200 32.6 23.7 35.5



#44
2,4,5-Trichlorophenol
Concen: 41.26 ng
RT: 9.180 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:196 Resp: 361031
Ion Ratio Lower Upper
196 100
198 98.6 76.5 114.7
97 67.6 40.1 60.1#
132 33.5 23.3 34.9

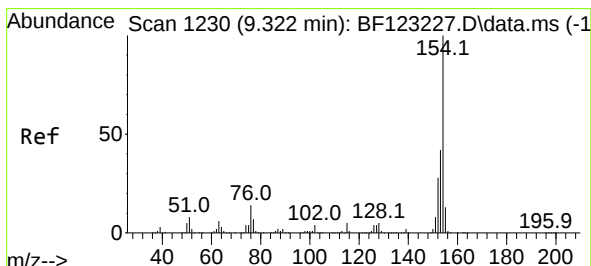
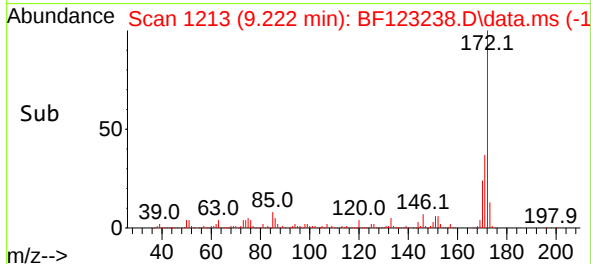
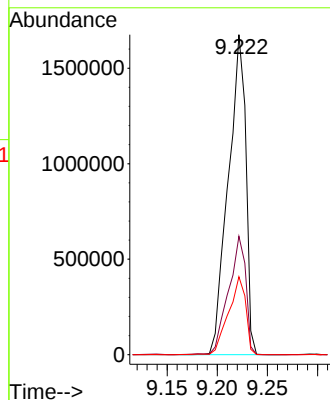
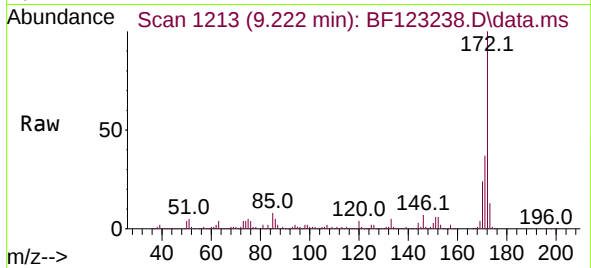




#45
2-Fluorobiphenyl
Concen: 75.72 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

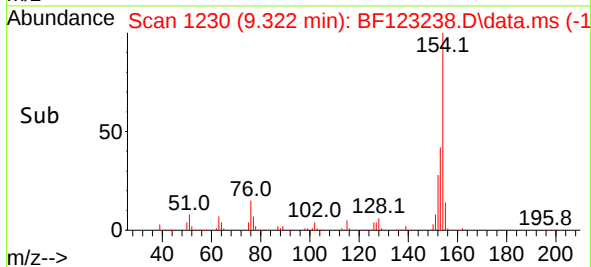
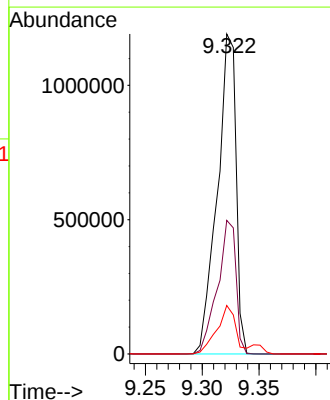
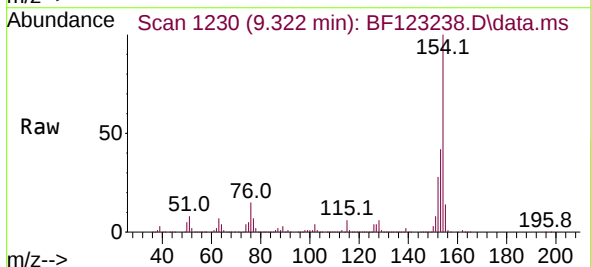
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

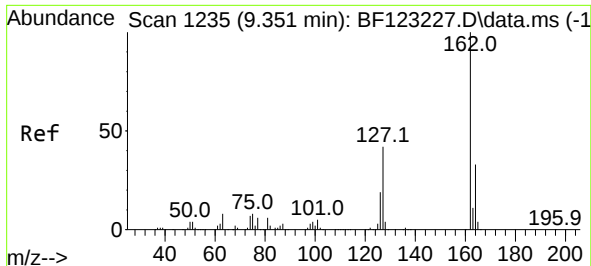
Tgt Ion:172 Resp: 2033599
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 24.4 19.5 29.3



#46
1,1'-Biphenyl
Concen: 42.83 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:154 Resp: 1370579
Ion Ratio Lower Upper
154 100
153 41.8 21.8 61.8
76 15.2 0.0 33.4

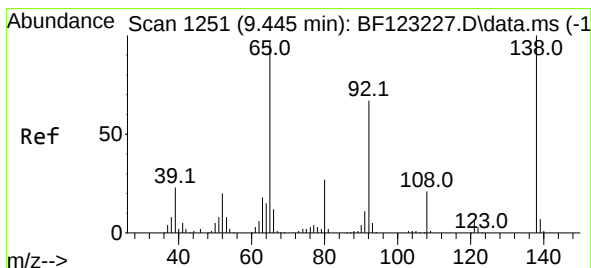
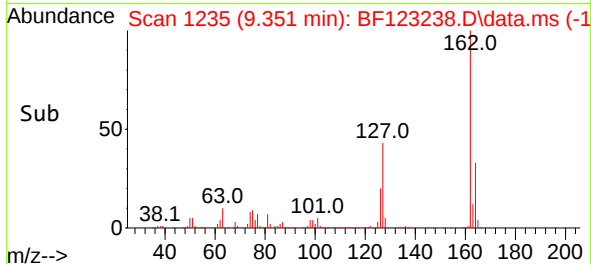
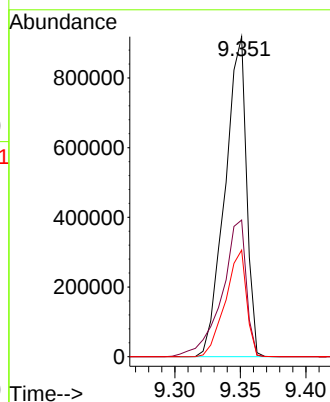
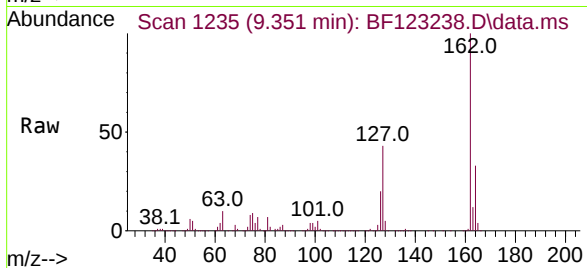




#47
2-Chloronaphthalene
Concen: 41.47 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

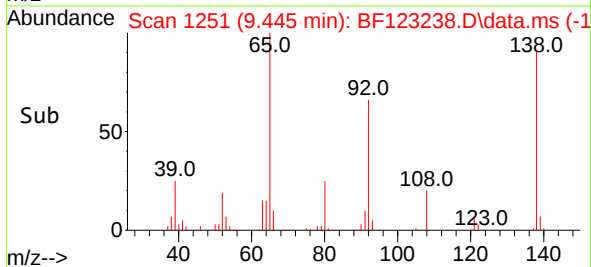
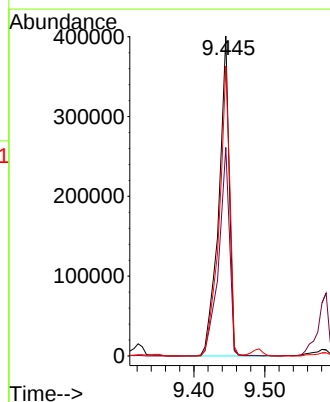
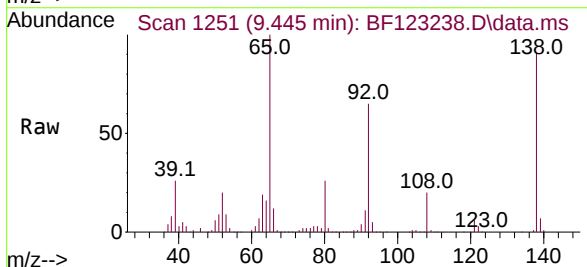
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

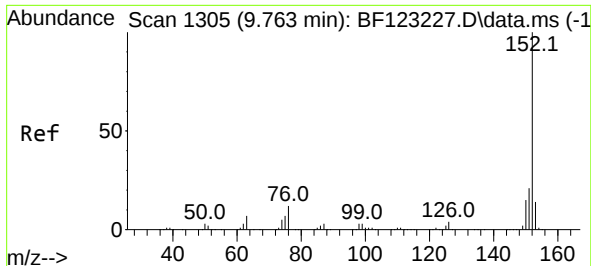
Tgt Ion:162 Resp: 1047106
Ion Ratio Lower Upper
162 100
127 42.7 33.8 50.8
164 33.3 26.5 39.7



#48
2-Nitroaniline
Concen: 45.64 ng
RT: 9.445 min Scan# 1251
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion: 65 Resp: 412899
Ion Ratio Lower Upper
65 100
92 65.1 60.0 90.0
138 90.6 100.6 151.0#





#49

Acenaphthylene

Concen: 41.72 ng

RT: 9.769 min Scan# 1306

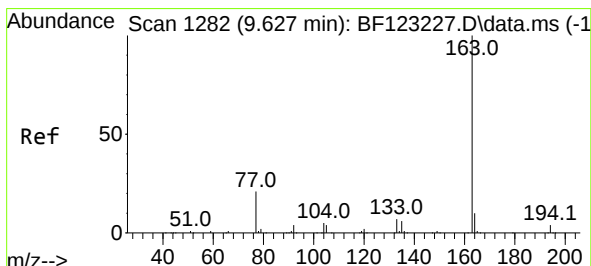
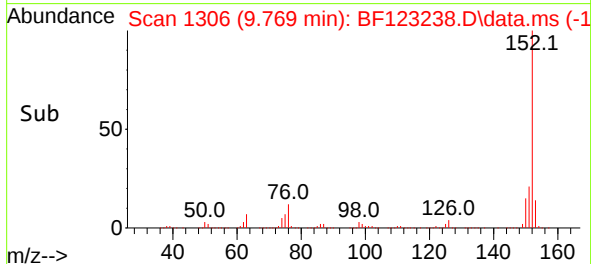
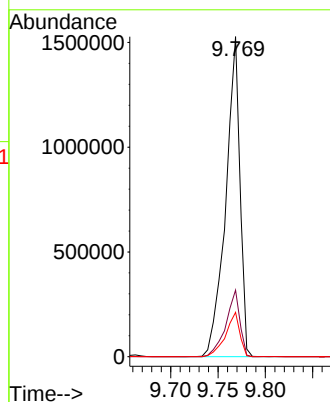
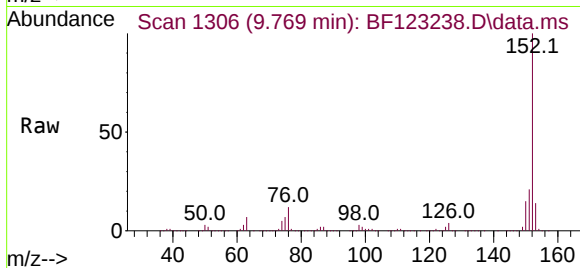
Delta R.T. 0.006 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion:152 Resp: 1597914

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0
153	13.8	10.9	16.3



#50

Dimethylphthalate

Concen: 45.52 ng

RT: 9.627 min Scan# 1282

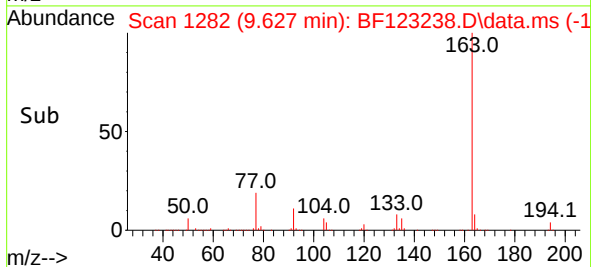
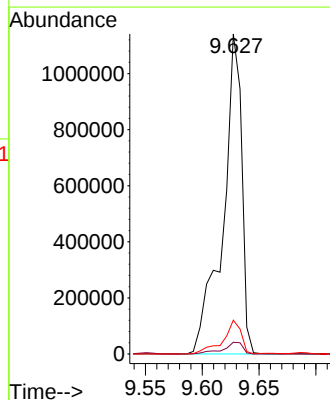
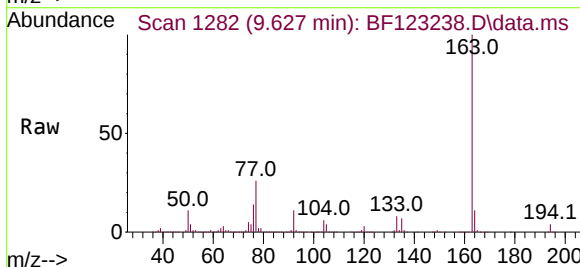
Delta R.T. -0.000 min

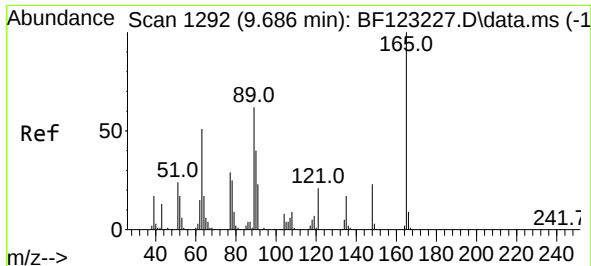
Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion:163 Resp: 1313267

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.5	8.1	12.1

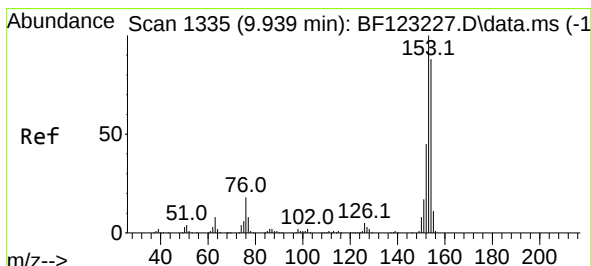
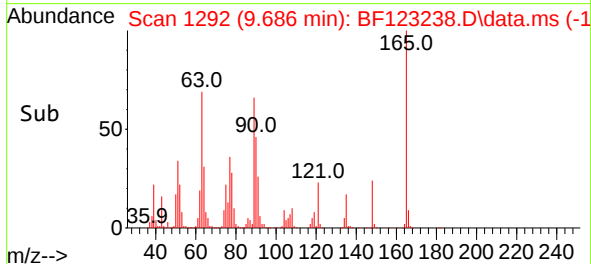
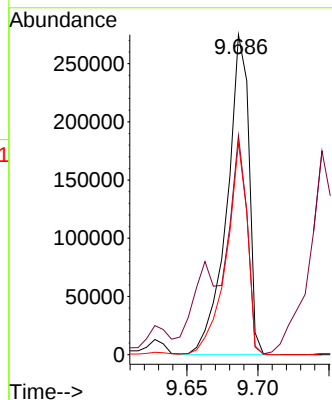
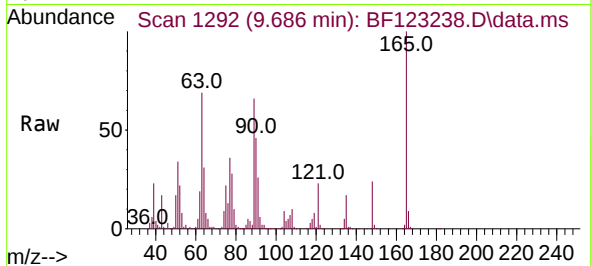




#51
2,6-Dinitrotoluene
Concen: 44.45 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

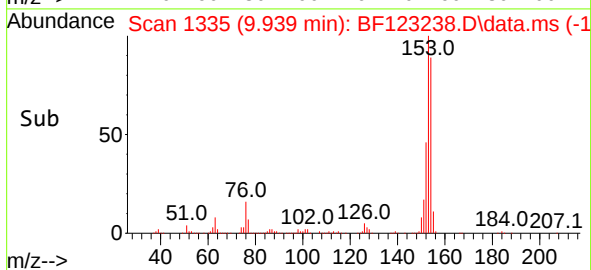
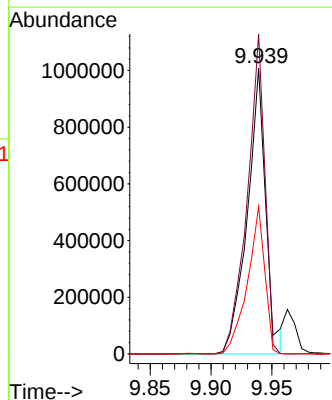
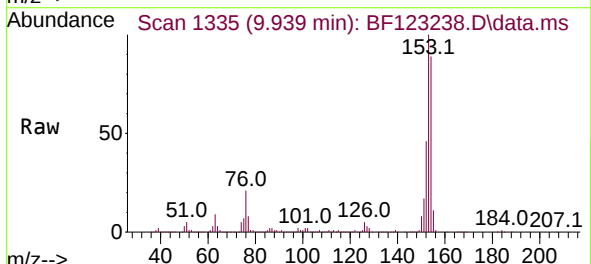
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

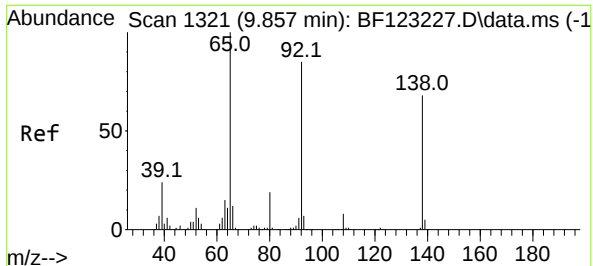
Tgt Ion:165 Resp: 295540
Ion Ratio Lower Upper
165 100
63 68.5 36.6 55.0#
89 66.4 39.4 59.0#



#52
Acenaphthene
Concen: 40.20 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:154 Resp: 1061737
Ion Ratio Lower Upper
154 100
153 111.9 89.0 133.6
152 51.5 42.7 64.1

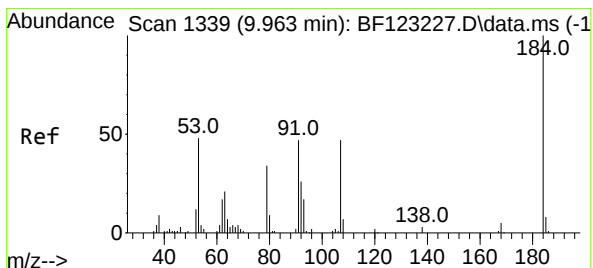
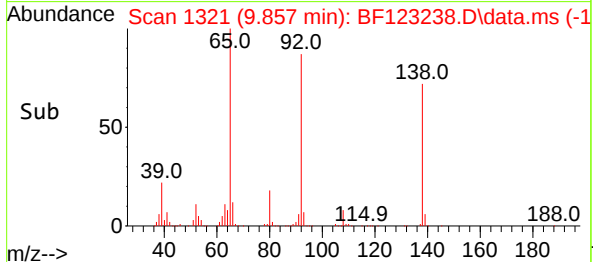
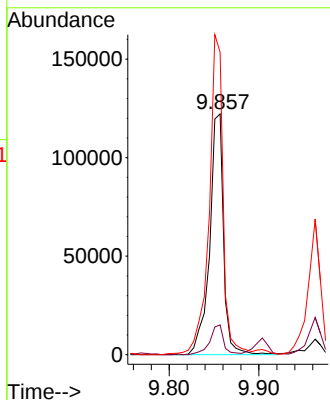
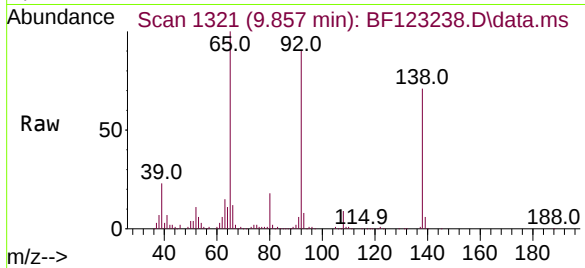




#53
3-Nitroaniline
Concen: 17.89 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

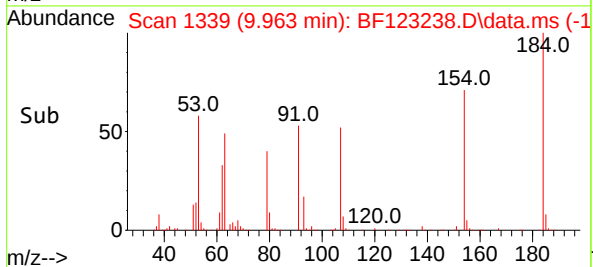
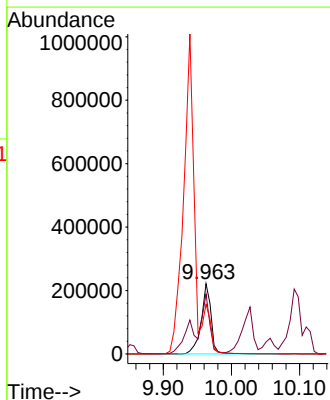
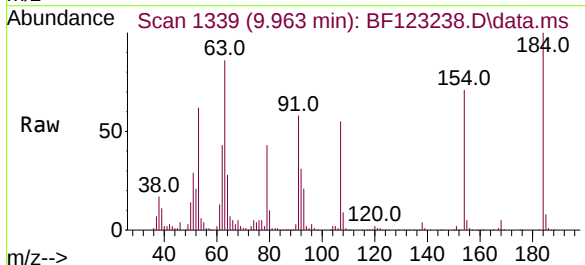
Instrument :
BNA_F
ClientSampleId :
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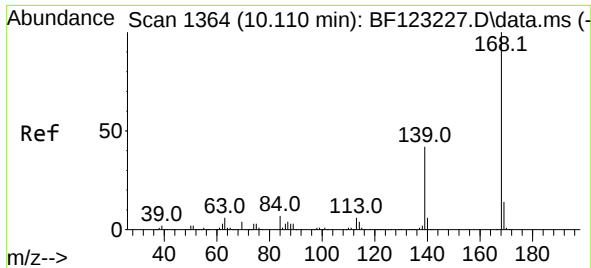
Tgt Ion:138 Resp: 132050
Ion Ratio Lower Upper
138 100
108 12.4 8.2 12.2#
92 125.6 85.4 128.2



#54
2,4-Dinitrophenol
Concen: 64.15 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:184 Resp: 224051
Ion Ratio Lower Upper
184 100
63 85.6 51.4 77.2#
154 71.0 49.7 74.5

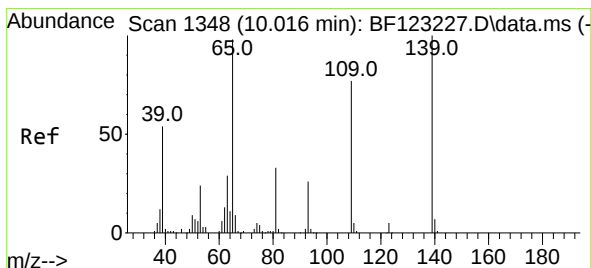
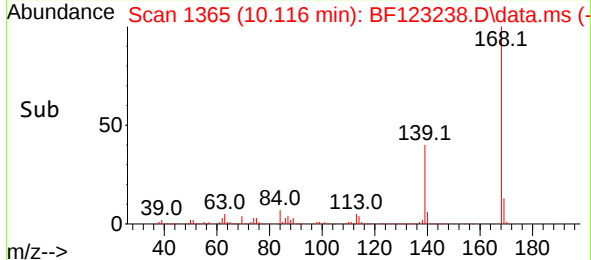
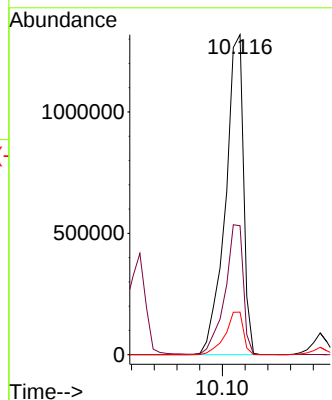
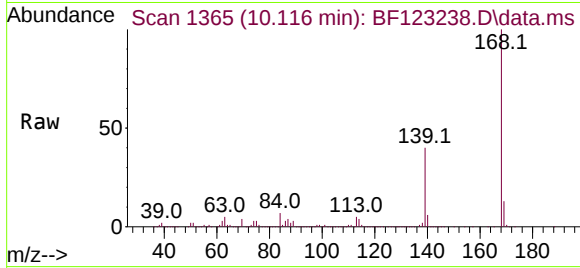




#55
Dibenzenofuran
Concen: 40.64 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

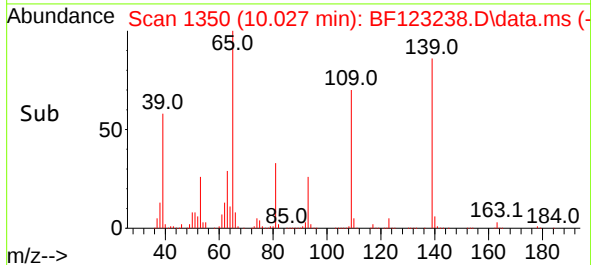
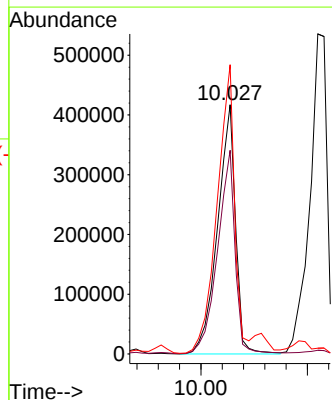
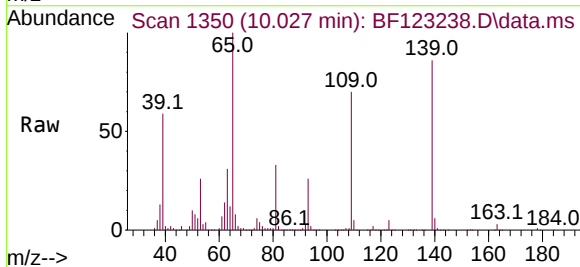
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

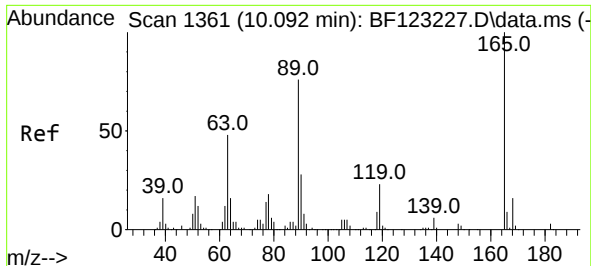
Tgt Ion:168 Resp: 1453095
Ion Ratio Lower Upper
168 100
139 40.3 31.3 46.9
169 13.3 11.2 16.8



#56
4-Nitrophenol
Concen: 82.62 ng
RT: 10.027 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:139 Resp: 485857
Ion Ratio Lower Upper
139 100
109 81.7 45.1 85.1
65 116.0 59.2 99.2#

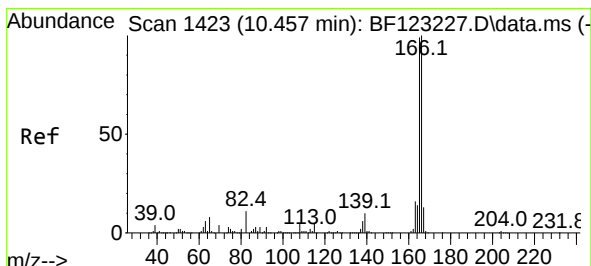
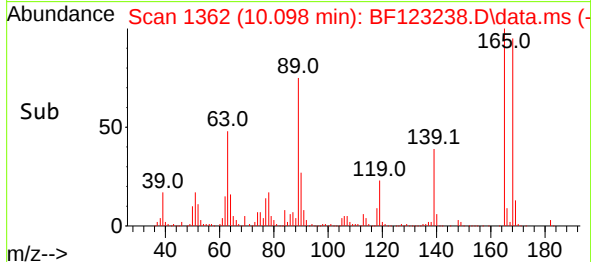
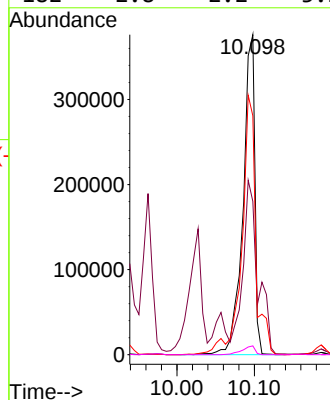
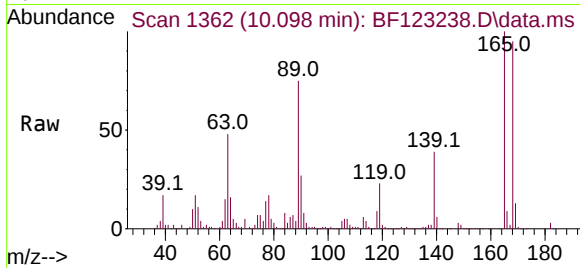




#57
2,4-Dinitrotoluene
Concen: 44.78 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

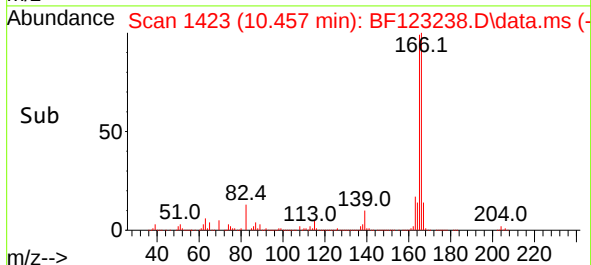
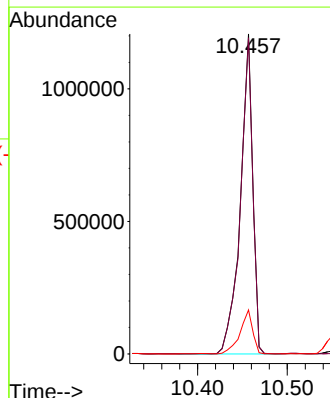
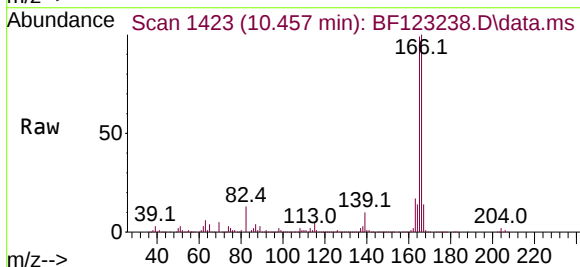
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

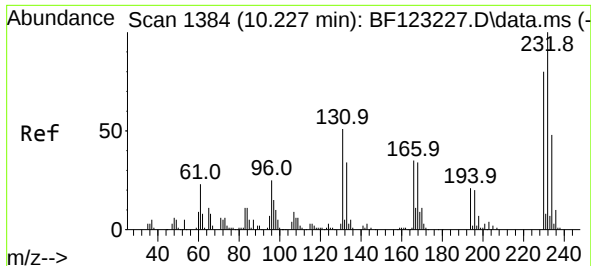
Tgt Ion:165 Resp: 400401
Ion Ratio Lower Upper
165 100
63 47.9 34.3 51.5
89 74.6 55.2 82.8
182 2.8 2.2 3.2



#58
Fluorene
Concen: 41.03 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:166 Resp: 1154518
Ion Ratio Lower Upper
166 100
165 98.8 79.4 119.0
167 13.8 10.9 16.3

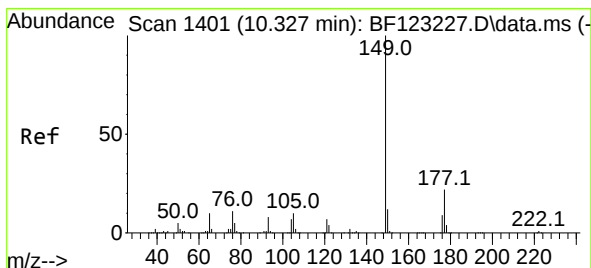
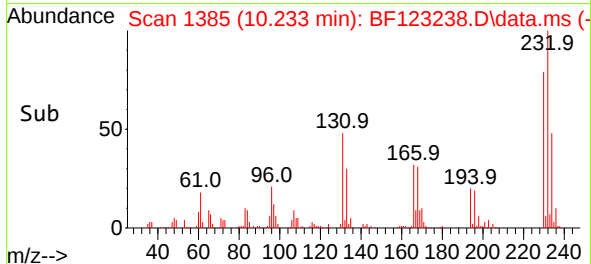
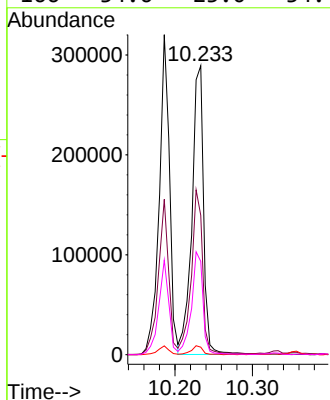
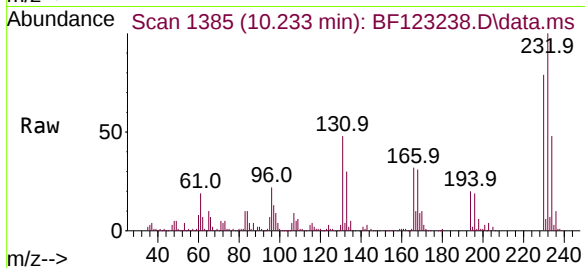




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.23 ng
RT: 10.233 min Scan# 1385
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

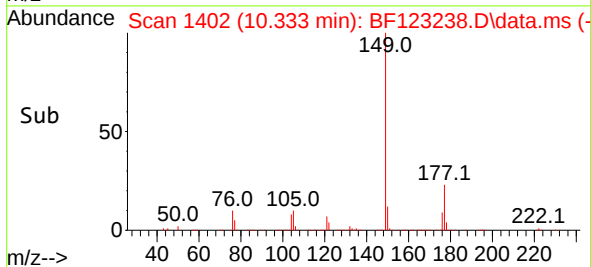
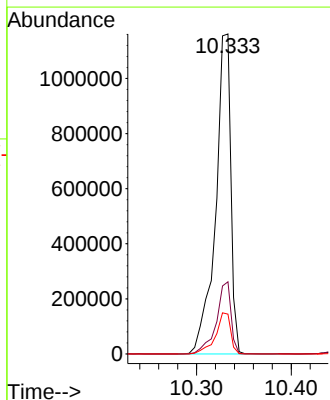
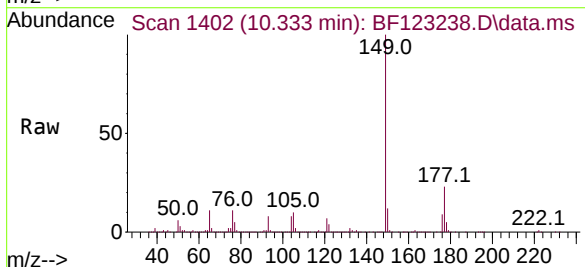
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

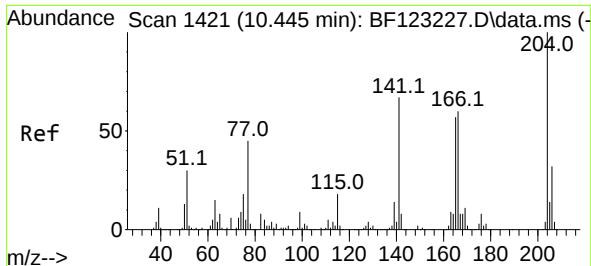
Tgt Ion:232 Resp: 301752
Ion Ratio Lower Upper
232 100
131 54.4 33.0 49.4#
130 3.1 1.7 2.5#
166 34.6 23.0 34.4#



#60
Diethylphthalate
Concen: 45.64 ng
RT: 10.333 min Scan# 1402
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:149 Resp: 1303871
Ion Ratio Lower Upper
149 100
177 22.5 18.2 27.4
150 12.5 10.1 15.1

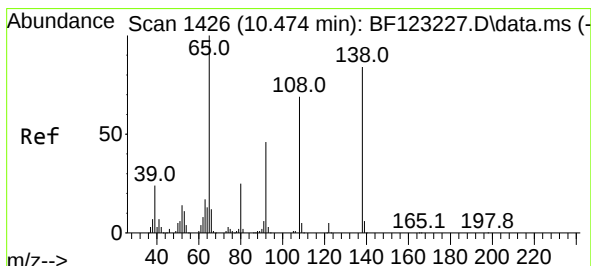
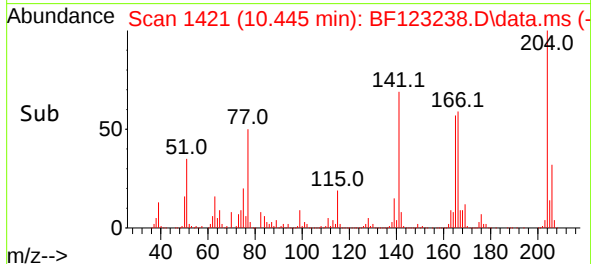
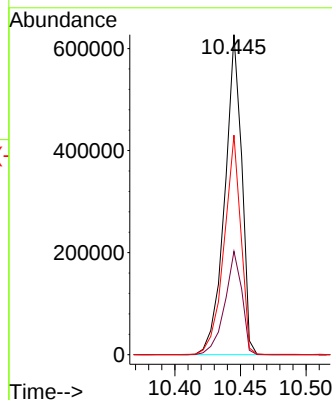
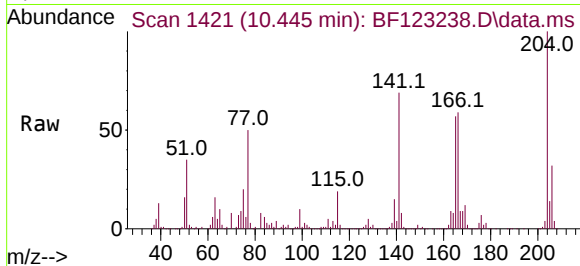




#61
4-Chlorophenyl-phenylether
Concen: 41.91 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

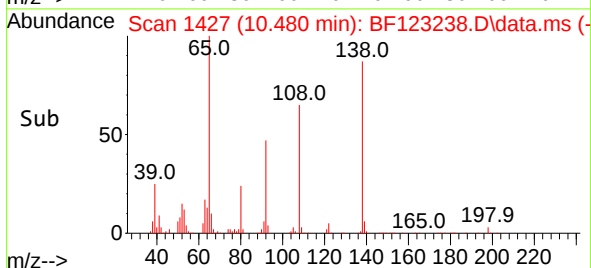
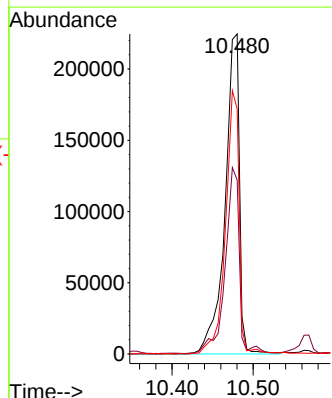
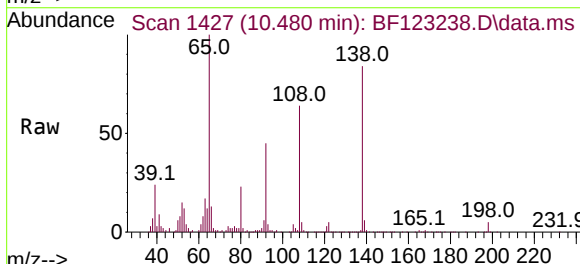
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

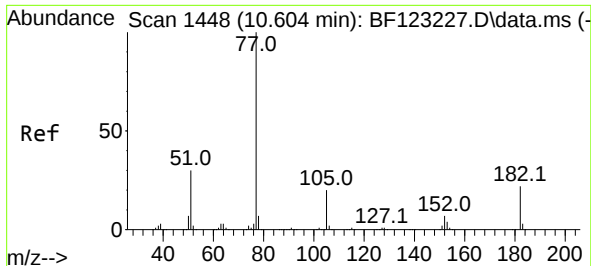
Tgt Ion:204 Resp: 561403
Ion Ratio Lower Upper
204 100
206 32.3 27.0 40.4
141 68.6 50.4 75.6



#62
4-Nitroaniline
Concen: 37.44 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:138 Resp: 278144
Ion Ratio Lower Upper
138 100
92 54.3 31.0 71.0
108 76.6 54.8 94.8

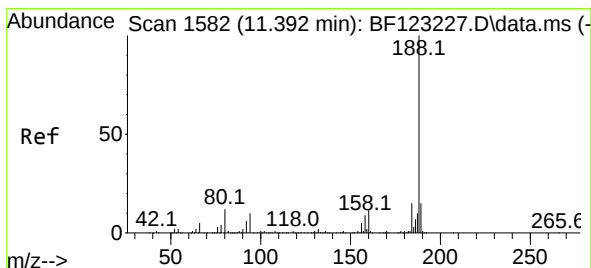
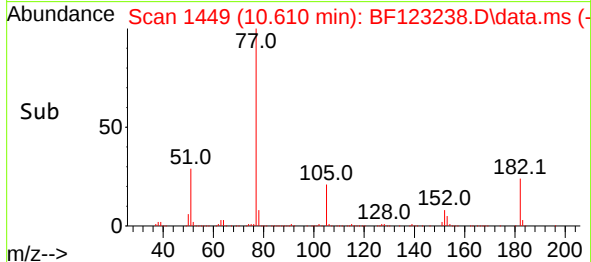
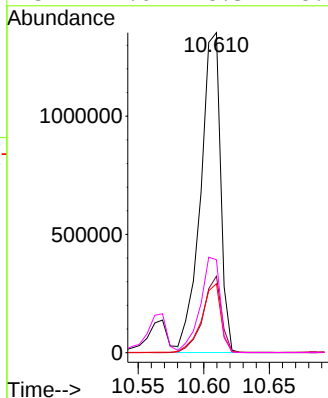
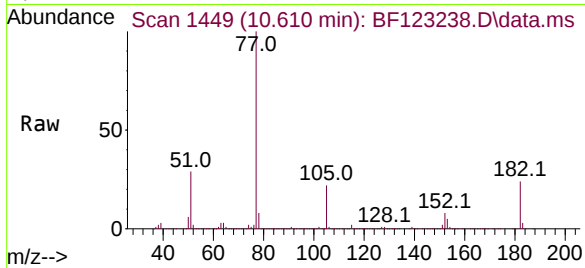




#63
Azobenzene
Concen: 43.61 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

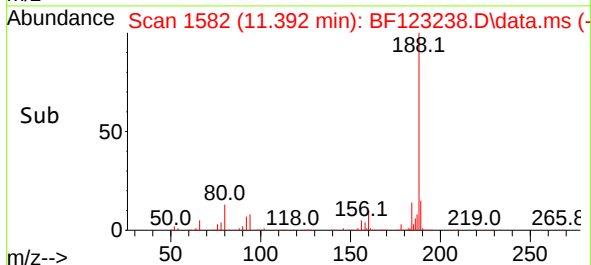
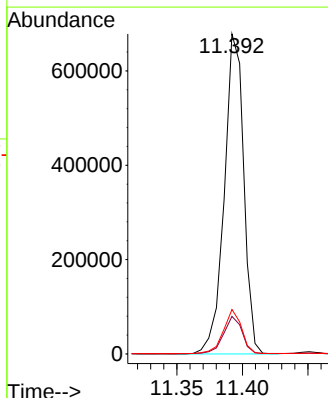
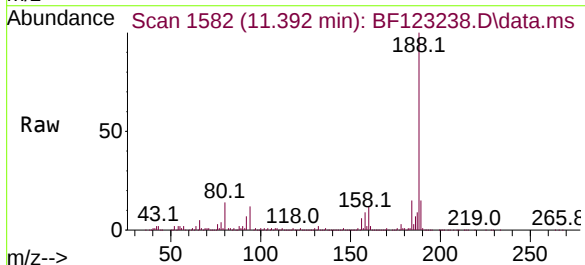
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

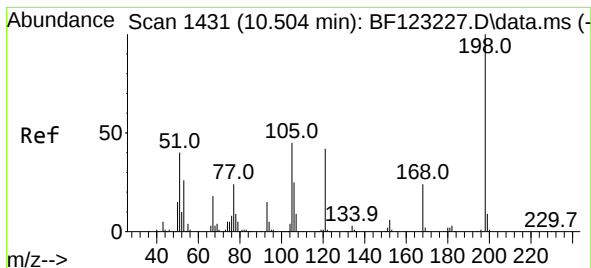
Tgt Ion: 77 Resp: 1435518
Ion Ratio Lower Upper
77 100
182 23.9 5.6 45.6
105 21.5 1.8 41.8
51 29.0 8.3 48.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion: 188 Resp: 699310
Ion Ratio Lower Upper
188 100
94 11.7 7.4 11.2#
80 13.9 8.2 12.4#

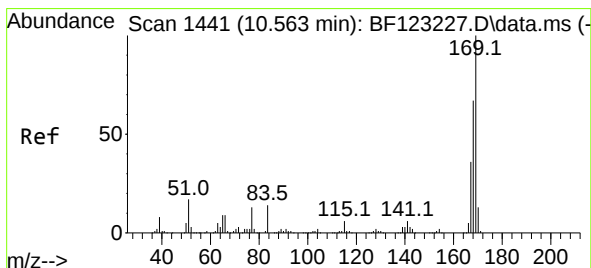
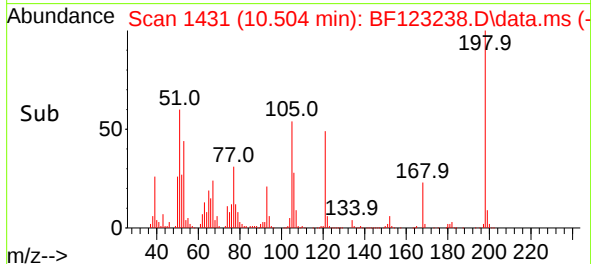
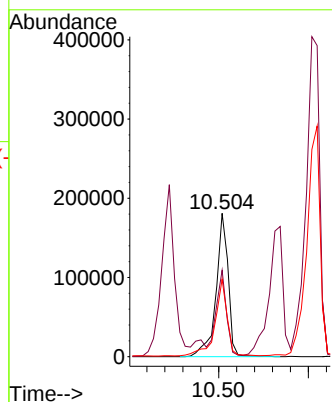
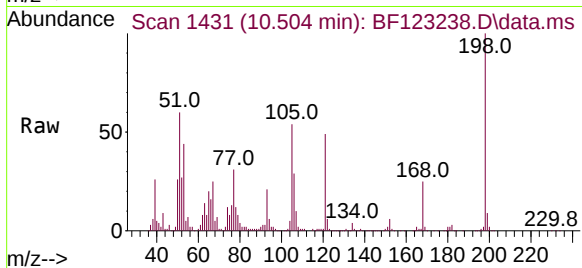




#65
4,6-Dinitro-2-methylphenol
Concen: 35.99 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

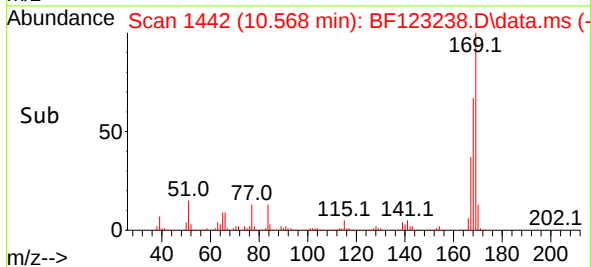
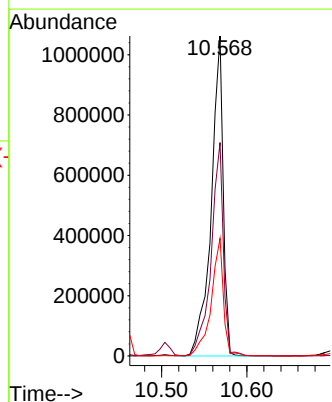
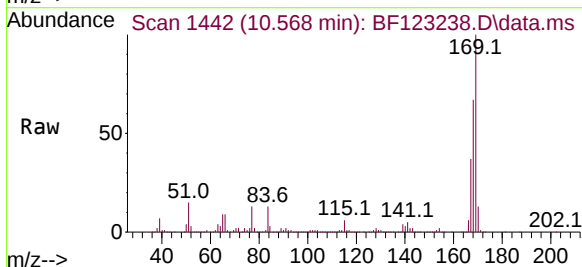
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

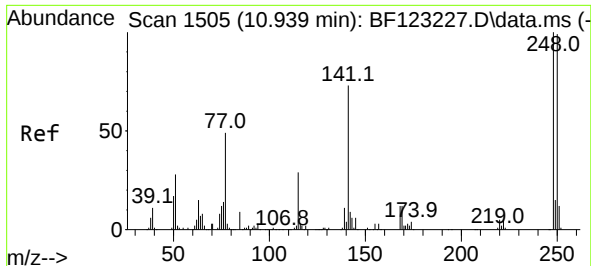
Tgt Ion:198 Resp: 169399
Ion Ratio Lower Upper
198 100
51 60.3 20.3 60.3
105 54.1 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 42.92 ng
RT: 10.568 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:169 Resp: 1037943
Ion Ratio Lower Upper
169 100
168 66.7 54.2 81.2
167 36.8 29.2 43.8

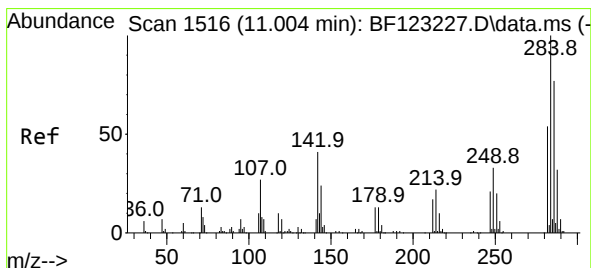
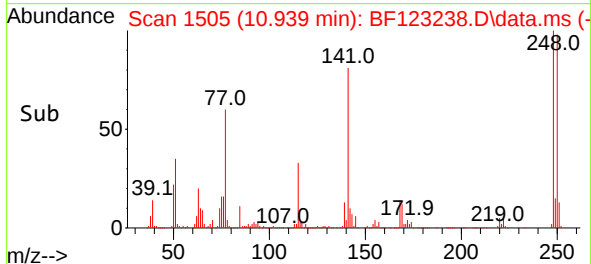
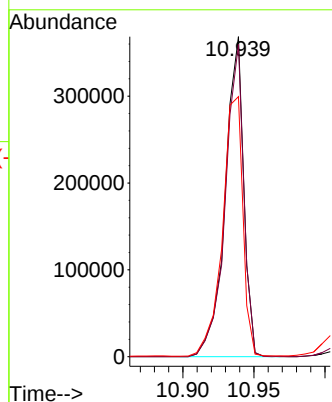
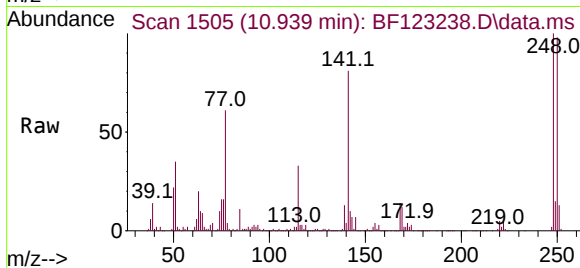




#67
4-Bromophenyl-phenylether
Concen: 43.86 ng
RT: 10.939 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

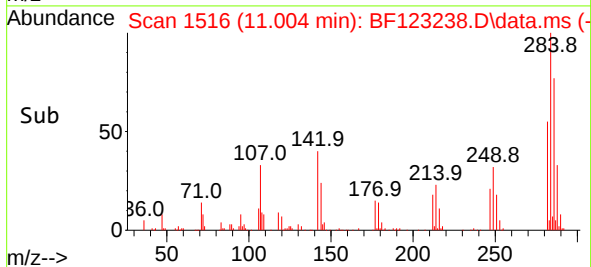
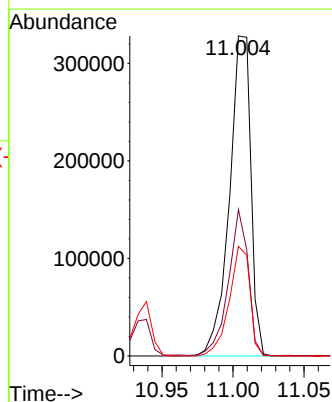
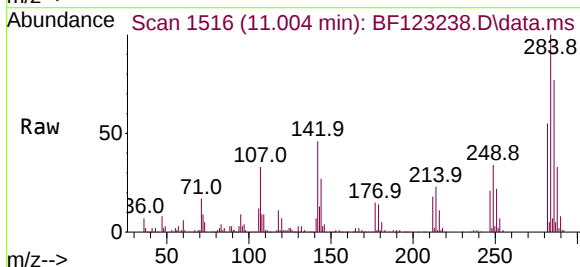
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

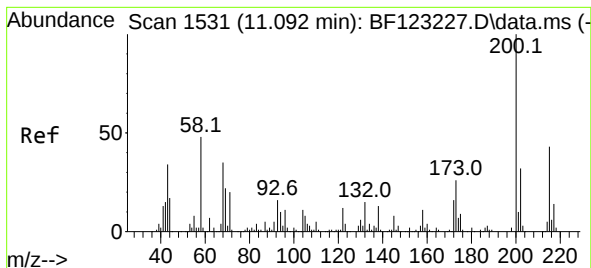
Tgt Ion:248 Resp: 334393
Ion Ratio Lower Upper
248 100
250 97.5 76.8 115.2
141 81.3 59.8 89.8



#68
Hexachlorobenzene
Concen: 42.96 ng
RT: 11.004 min Scan# 1516
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:284 Resp: 344981
Ion Ratio Lower Upper
284 100
142 45.7 25.6 38.4#
249 34.3 25.1 37.7





#69

Atrazine

Concen: 39.63 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.006 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion:200 Resp: 302830

Ion Ratio Lower Upper

200 100

173 25.7 6.6 46.6

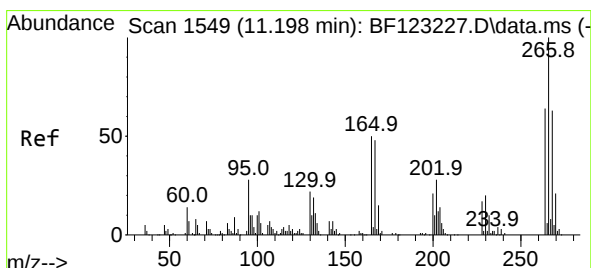
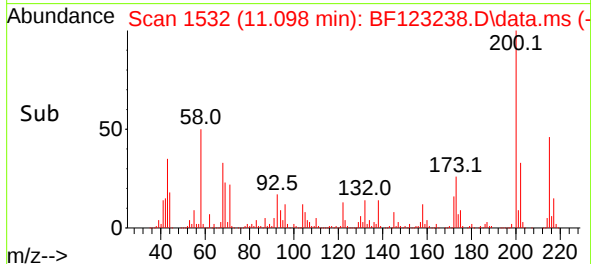
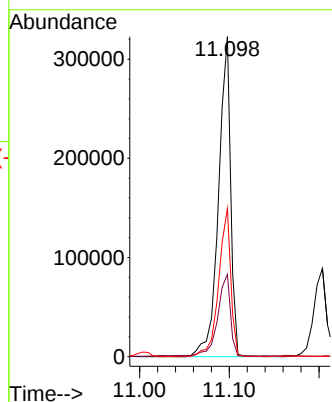
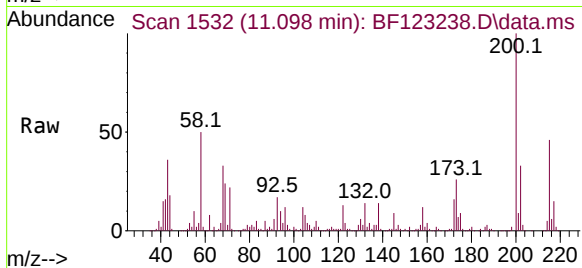
215 46.3 28.1 68.1

Instrument :

BNA_F

ClientSampleId :

SAND-SOIL-PILEMSD



#70

Pentachlorophenol

Concen: 82.30 ng

RT: 11.204 min Scan# 1550

Delta R.T. 0.006 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

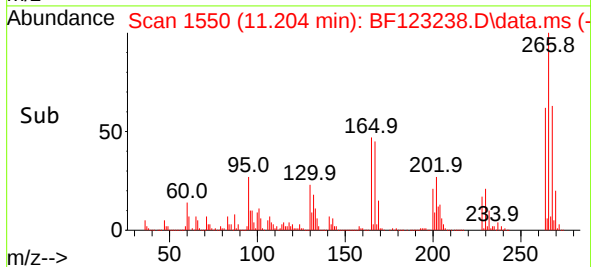
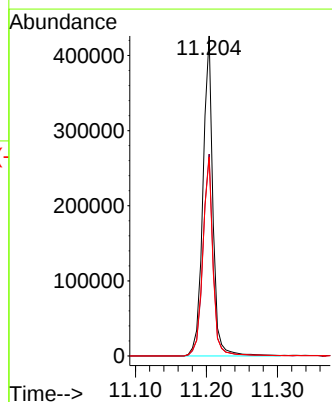
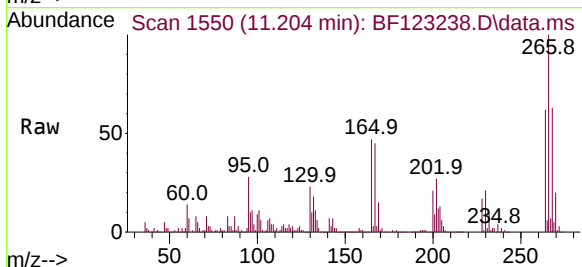
Tgt Ion:266 Resp: 417323

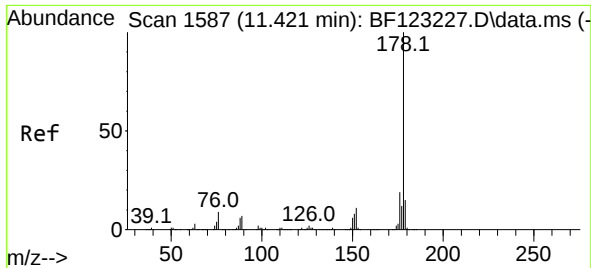
Ion Ratio Lower Upper

266 100

268 63.1 50.5 75.7

264 62.1 49.8 74.8

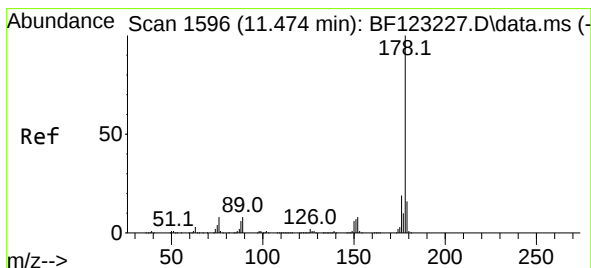
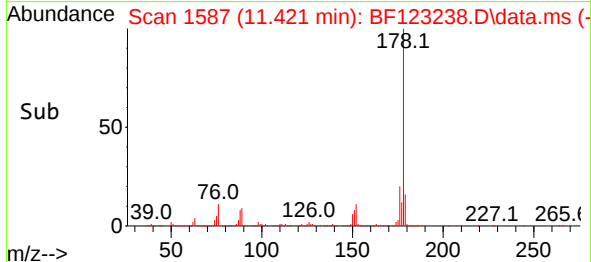
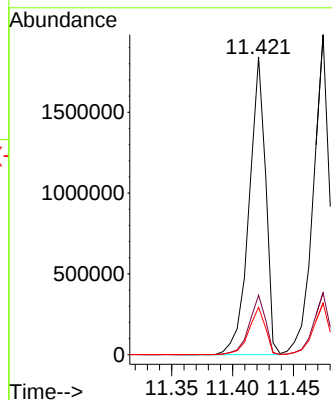
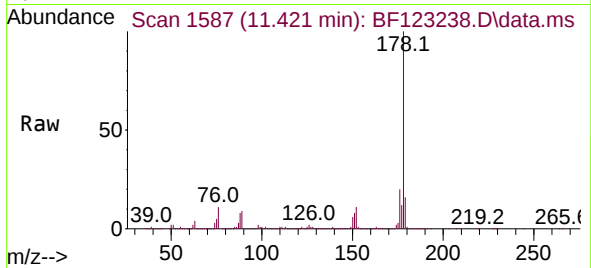




#71
Phenanthrene
Concen: 42.10 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

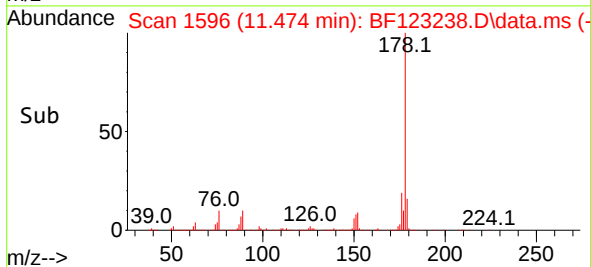
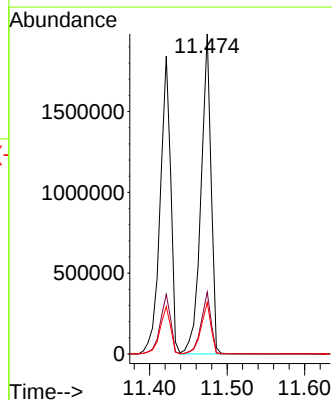
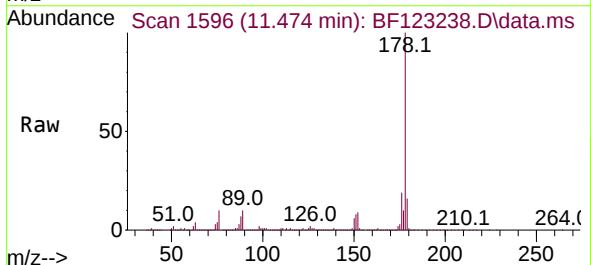
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

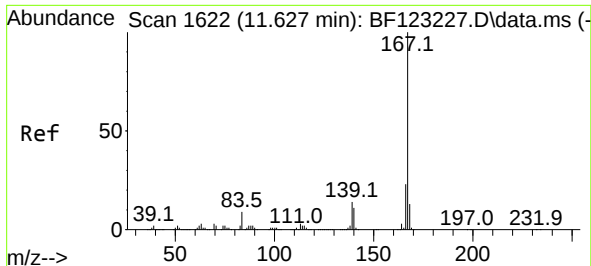
Tgt Ion:178 Resp: 1740865
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.2
179 15.9 12.7 19.1



#72
Anthracene
Concen: 43.36 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:178 Resp: 1789334
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 16.1 12.8 19.2

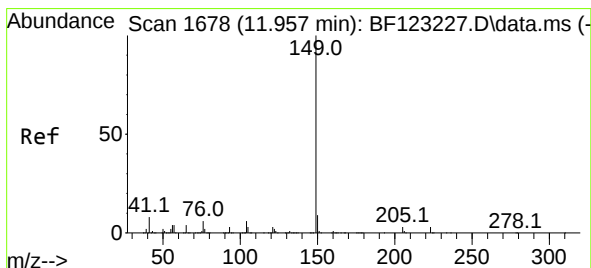
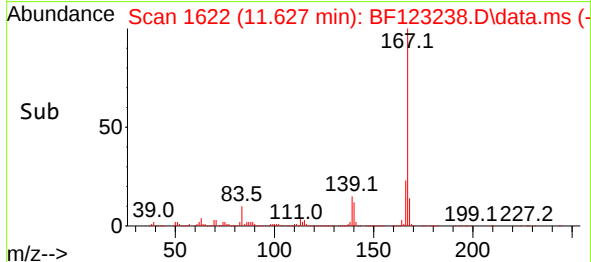
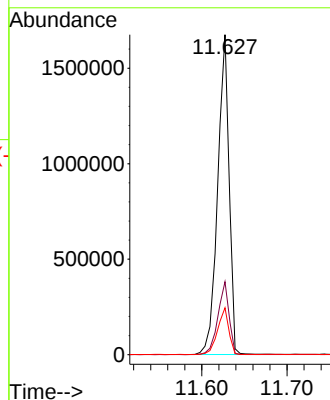
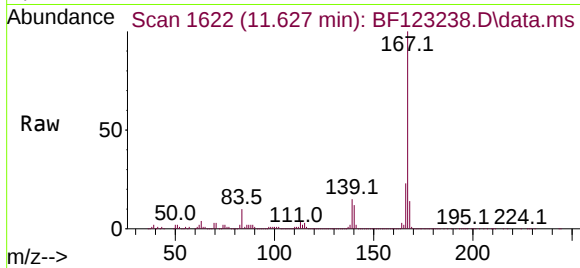




#73
 Carbazole
 Concen: 40.17 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. -0.000 min
 Lab File: BF123238.D
 Acq: 19 Feb 2021 21:44

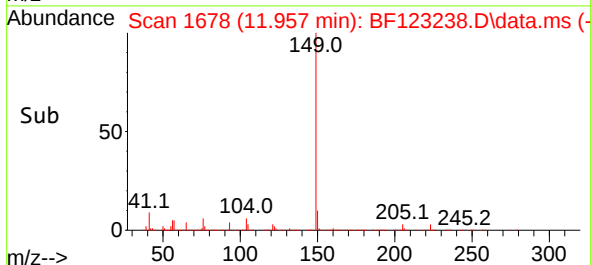
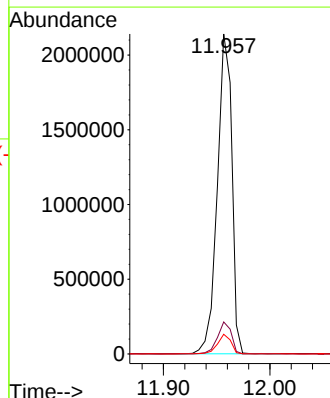
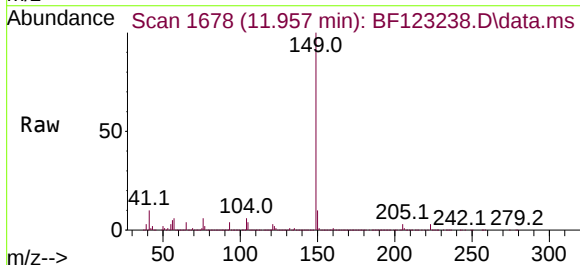
Instrument :
 BNA_F
 ClientSampleId :
 SAND-SOIL-PILEMSD

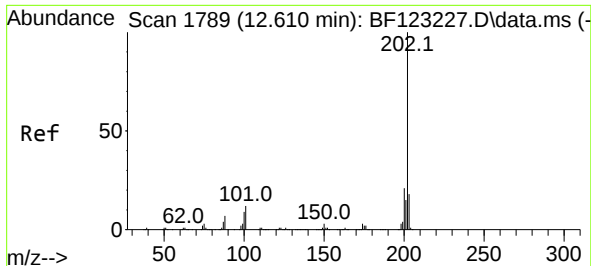
Tgt Ion:167 Resp: 1560954
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.0 27.0
 139 14.6 10.9 16.3



#74
 Di-n-butylphthalate
 Concen: 46.35 ng
 RT: 11.957 min Scan# 1678
 Delta R.T. -0.000 min
 Lab File: BF123238.D
 Acq: 19 Feb 2021 21:44

Tgt Ion:149 Resp: 2013653
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.8 11.6
 104 6.1 4.2 6.4

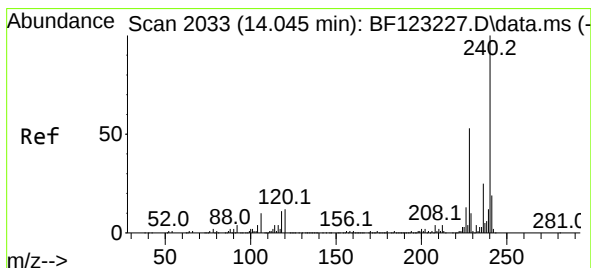
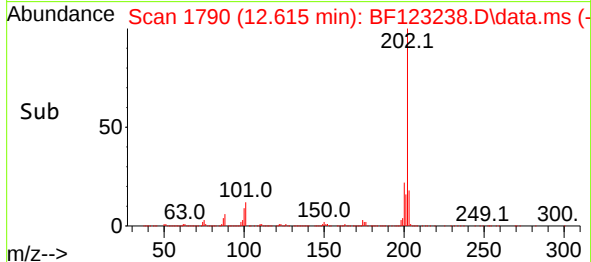
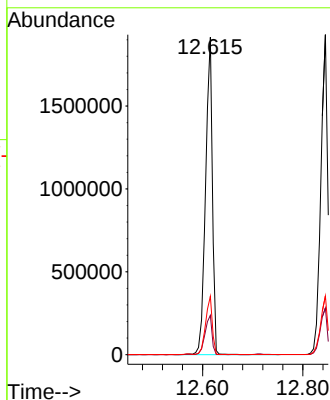
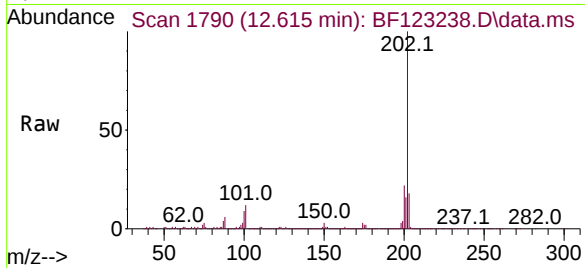




#75
Fluoranthene
Concen: 41.40 ng
RT: 12.615 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

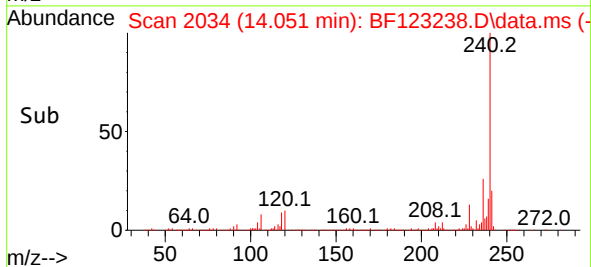
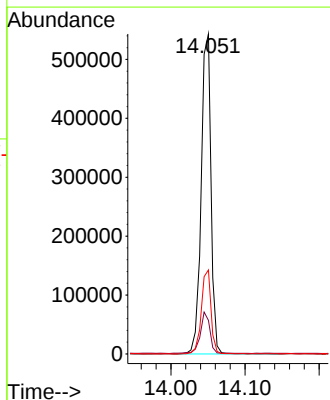
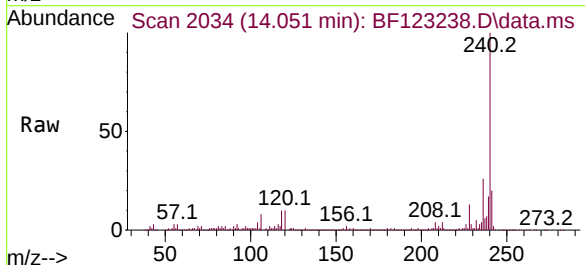
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

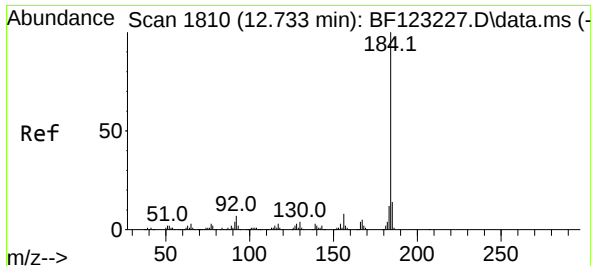
Tgt Ion:202 Resp: 1814755
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.2
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:240 Resp: 499772
Ion Ratio Lower Upper
240 100
120 10.5 8.6 12.8
236 26.3 20.3 30.5

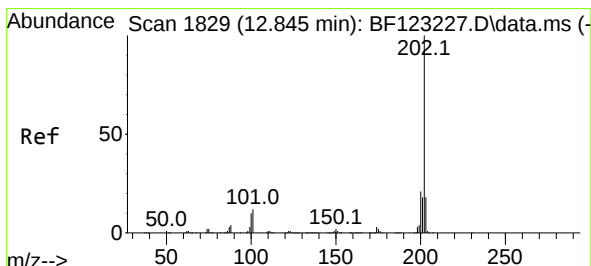
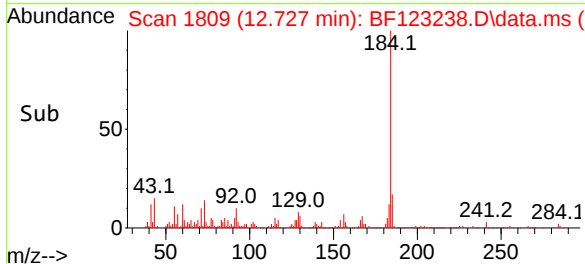
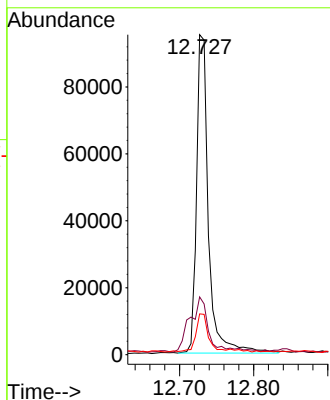
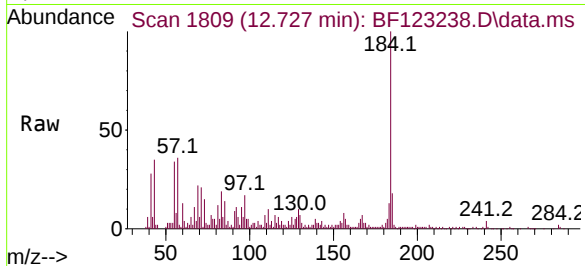




#77
Benzidine
Concen: 6.57 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

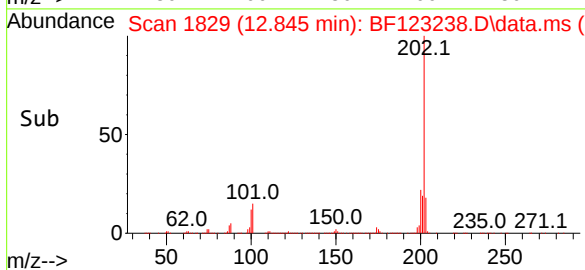
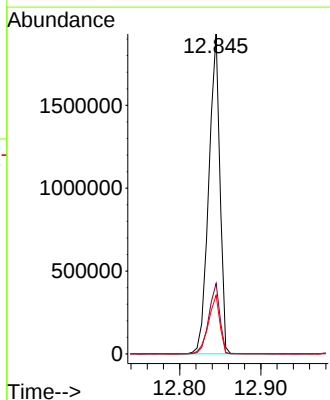
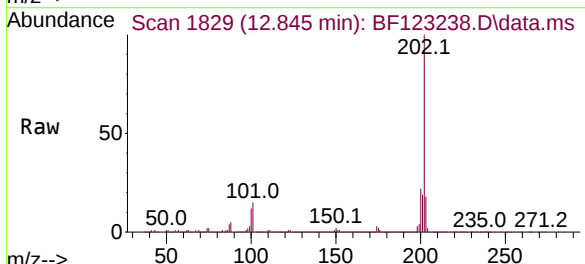
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

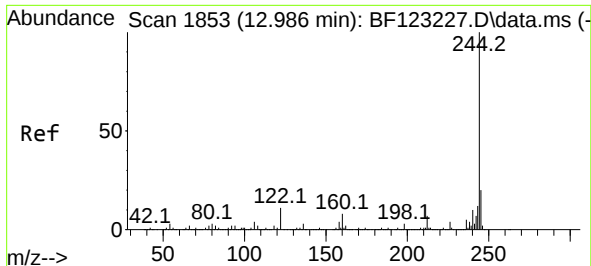
Tgt Ion:184 Resp: 106045
Ion Ratio Lower Upper
184 100
185 18.0 11.8 17.6#
183 12.8 9.7 14.5



#78
Pyrene
Concen: 46.91 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:202 Resp: 1830375
Ion Ratio Lower Upper
202 100
200 22.1 17.6 26.4
203 18.3 14.6 21.8

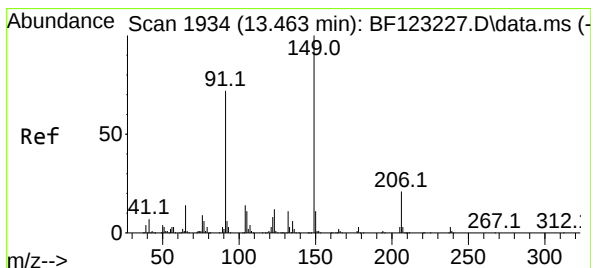
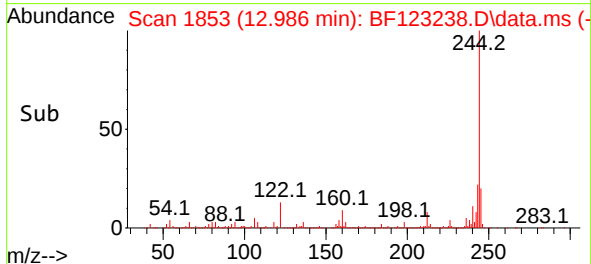
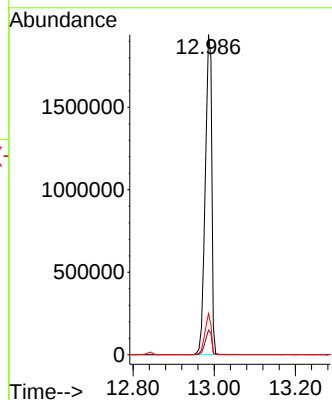
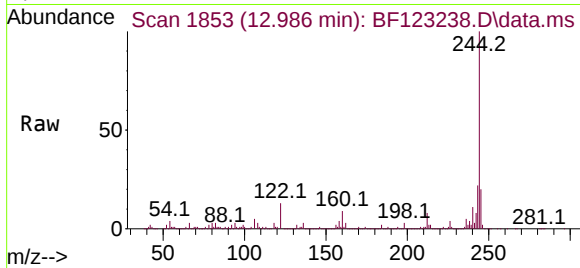




#79
Terphenyl-d14
Concen: 82.57 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

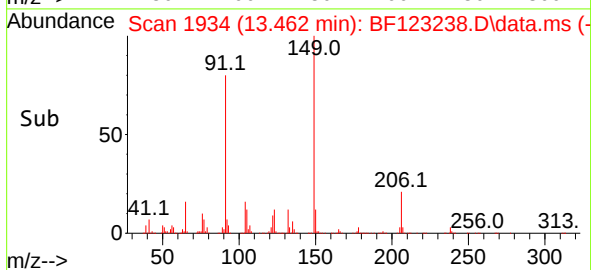
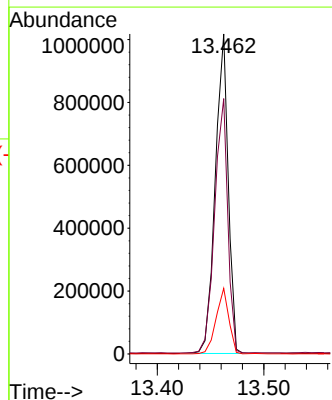
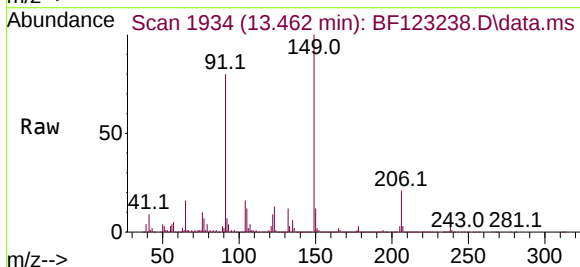
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

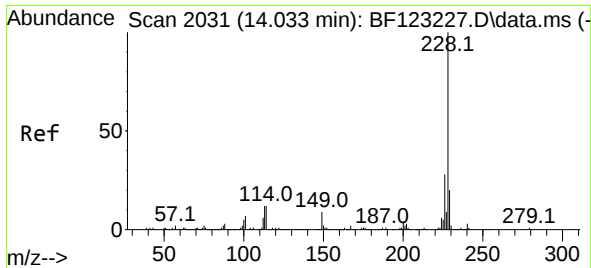
Tgt Ion:244 Resp: 2146001
Ion Ratio Lower Upper
244 100
212 7.7 5.7 8.5
122 12.9 8.3 12.5#



#80
Butylbenzylphthalate
Concen: 52.09 ng
RT: 13.462 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:149 Resp: 859173
Ion Ratio Lower Upper
149 100
91 79.8 56.5 84.7
206 20.5 17.0 25.6

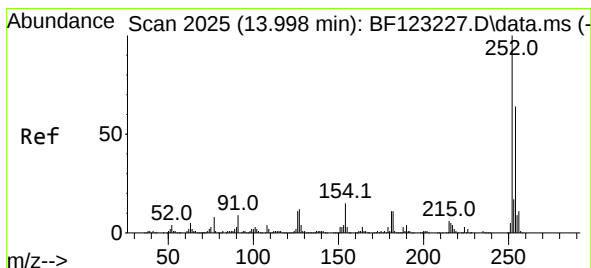
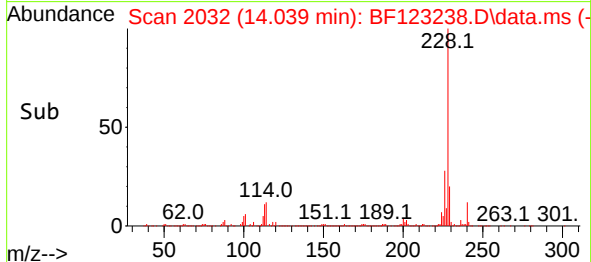
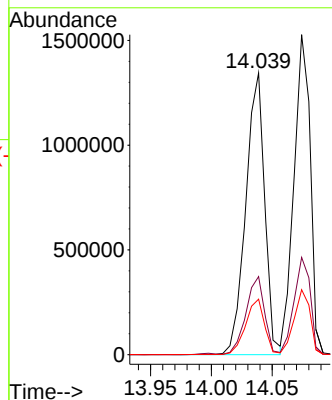
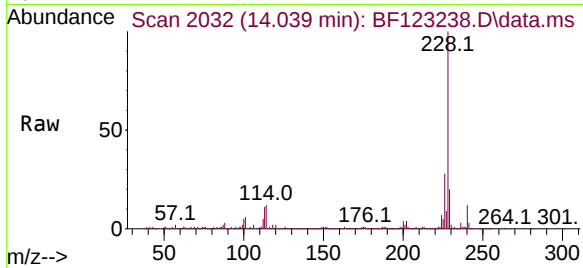




#81
Benzo(a)anthracene
Concen: 42.81 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

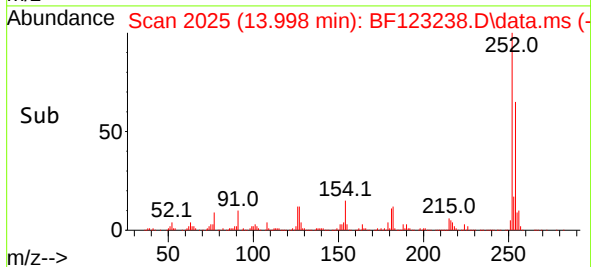
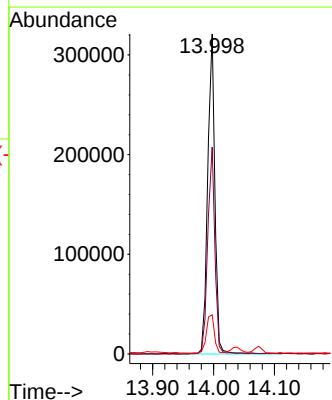
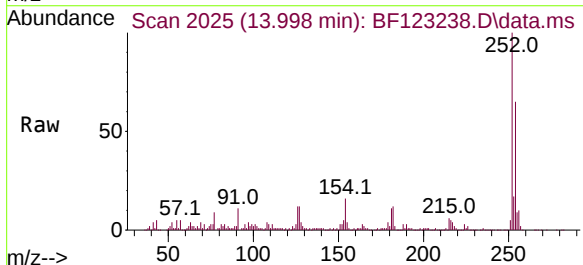
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

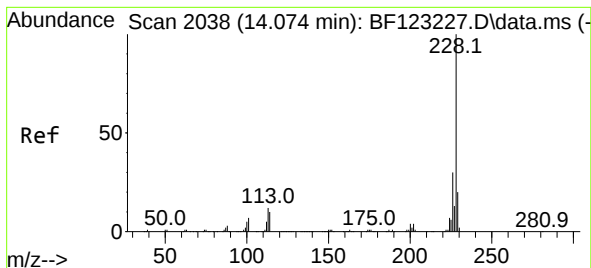
Tgt Ion:228 Resp: 1453998
Ion Ratio Lower Upper
228 100
226 27.7 23.0 34.4
229 19.7 16.6 24.8



#82
3,3'-Dichlorobenzidine
Concen: 23.40 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:252 Resp: 264192
Ion Ratio Lower Upper
252 100
254 64.6 52.7 79.1
126 12.2 8.0 12.0#





#83

Chrysene

Concen: 42.68 ng

RT: 14.074 min Scan# 2038

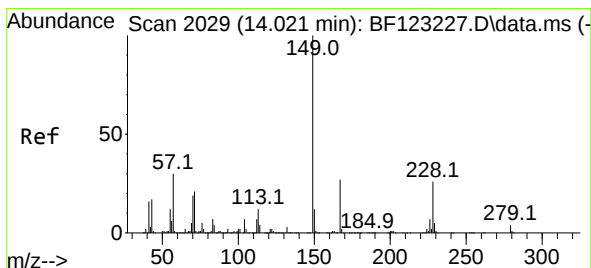
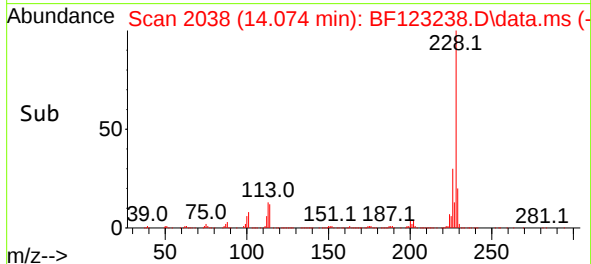
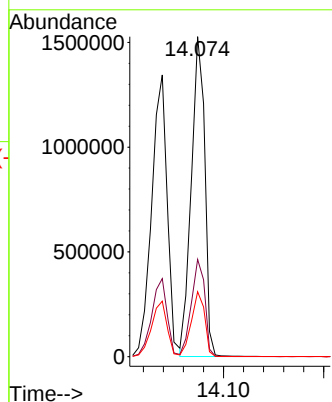
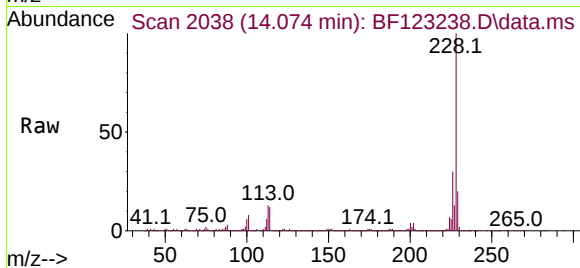
Delta R.T. -0.000 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion:228 Resp: 1423547

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	36.8
229	20.3	15.8	23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.34 ng

RT: 14.021 min Scan# 2029

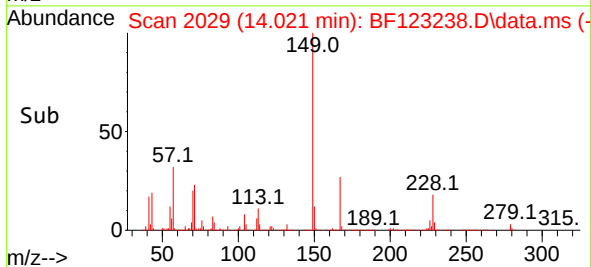
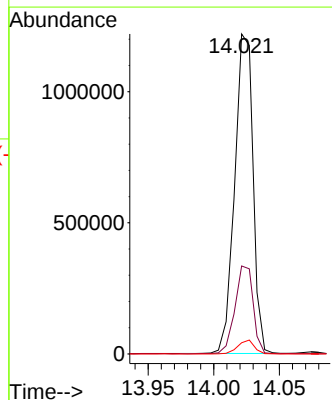
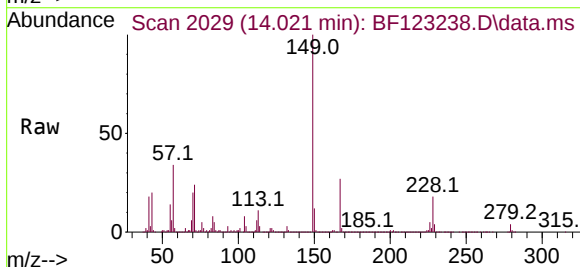
Delta R.T. -0.000 min

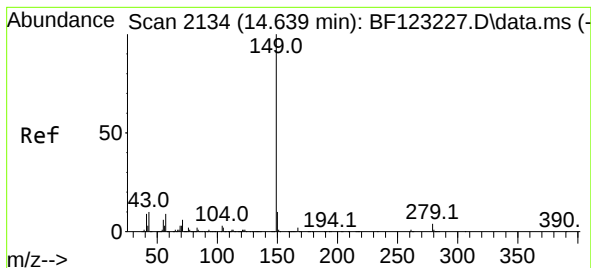
Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion:149 Resp: 1188470

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.4	32.2
279	3.5	3.4	5.0

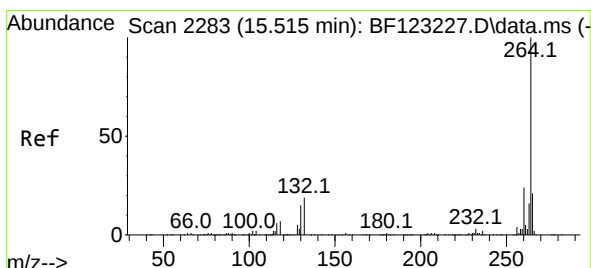
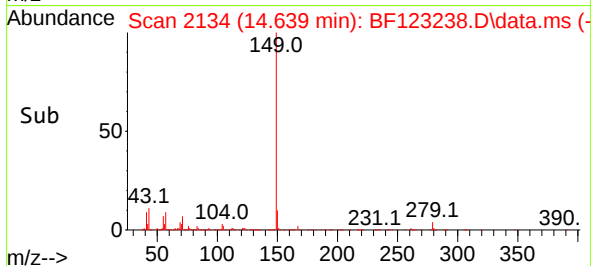
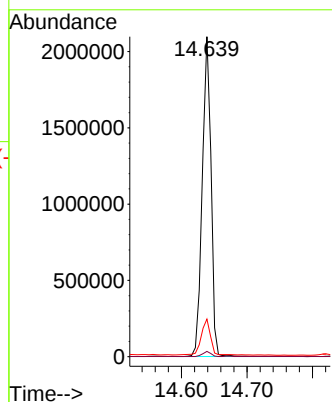
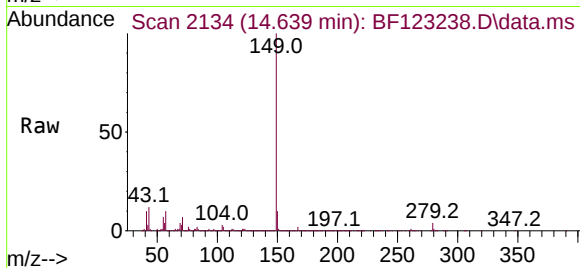




#85
Di-n-octyl phthalate
Concen: 50.31 ng
RT: 14.639 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

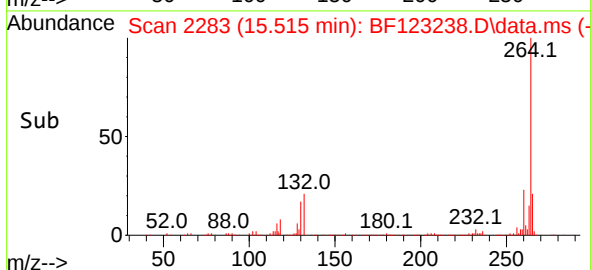
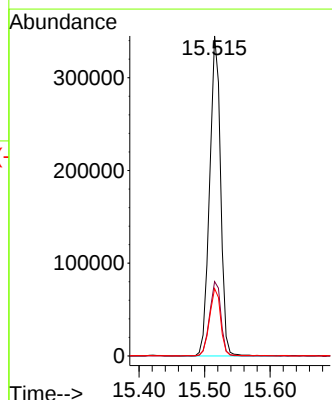
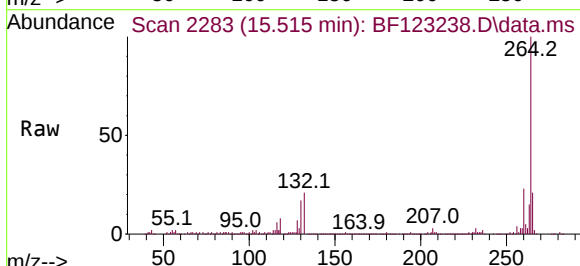
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

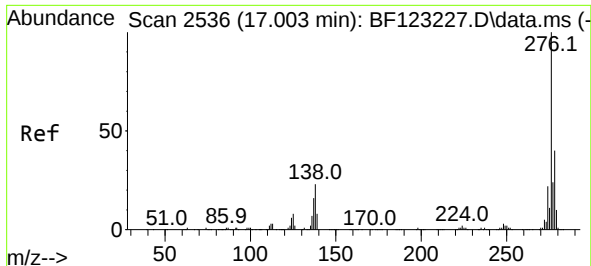
Tgt Ion:149 Resp: 1951504
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.3 7.6 11.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:264 Resp: 401589
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 21.0 17.0 25.6

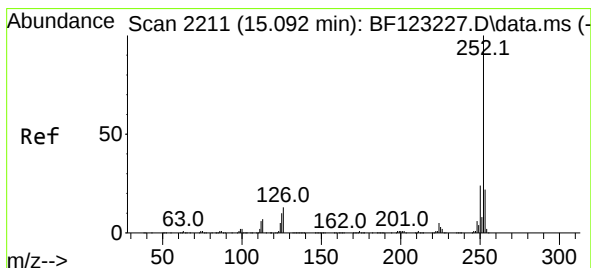
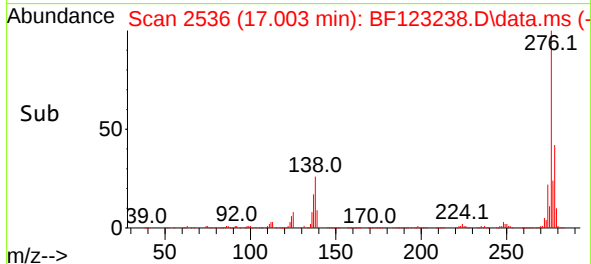
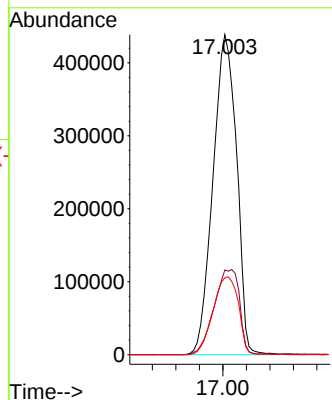
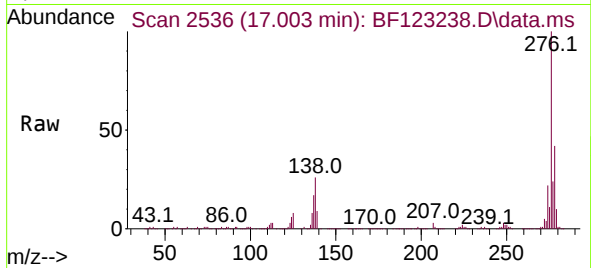




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.08 ng
RT: 17.003 min Scan# 2536
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

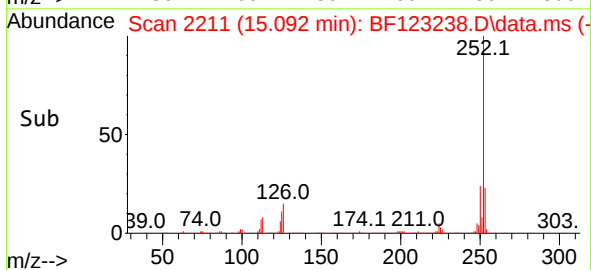
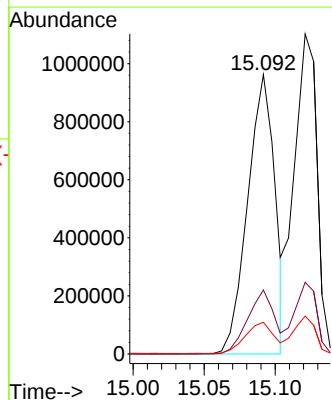
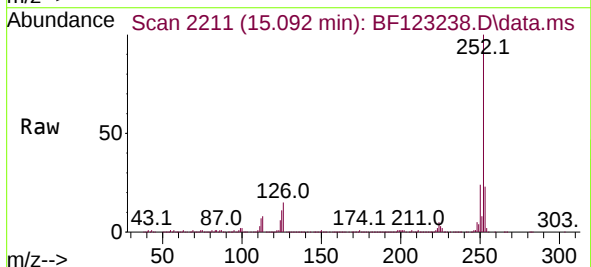
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

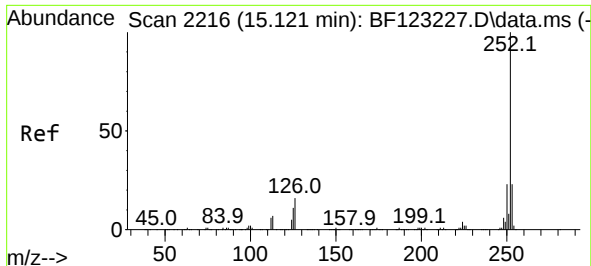
Tgt Ion:276 Resp: 1223271
Ion Ratio Lower Upper
276 100
138 28.7 18.7 28.1#
277 26.1 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 45.36 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:252 Resp: 1279235
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 11.3 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 48.42 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.000 min

Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion:252 Resp: 1238215

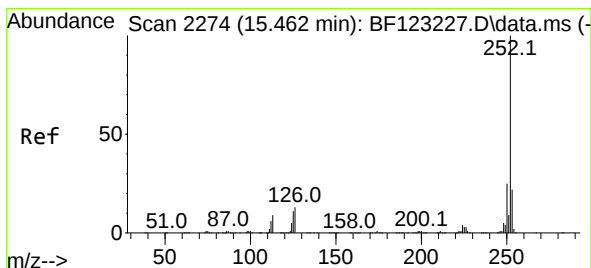
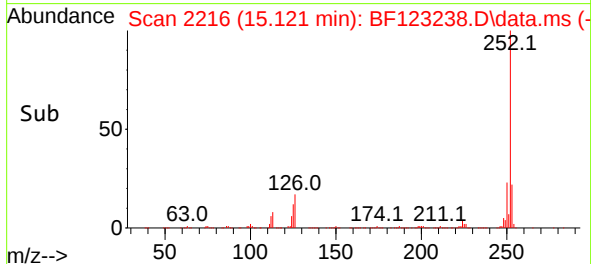
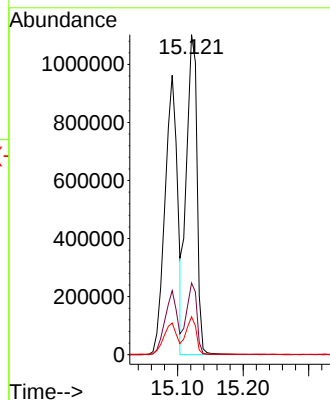
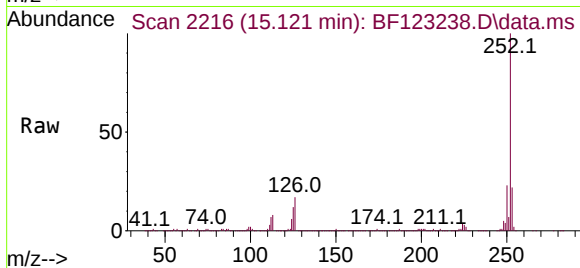
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.9	8.4	12.6

Instrument :

BNA_F

ClientSampleId :

SAND-SOIL-PILEMSD



#90

Benzo(a)pyrene

Concen: 43.12 ng

RT: 15.462 min Scan# 2274

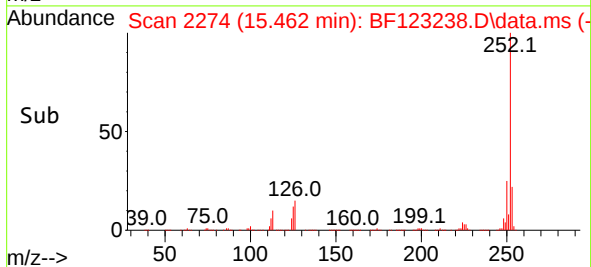
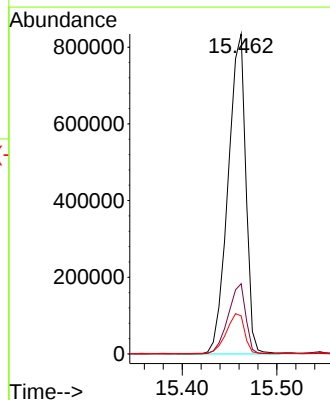
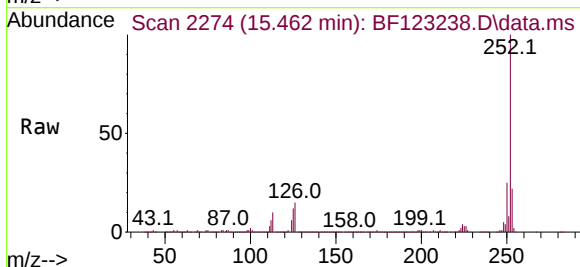
Delta R.T. -0.000 min

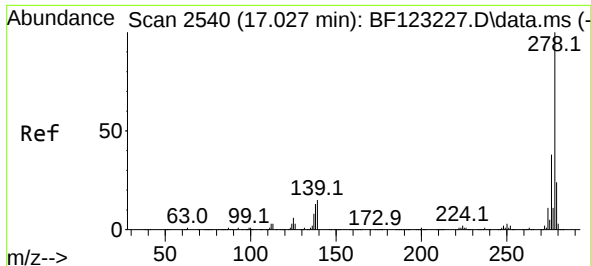
Lab File: BF123238.D

Acq: 19 Feb 2021 21:44

Tgt Ion:252 Resp: 1084457

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.9	8.6	12.8

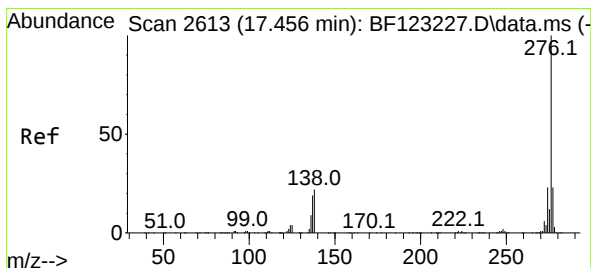
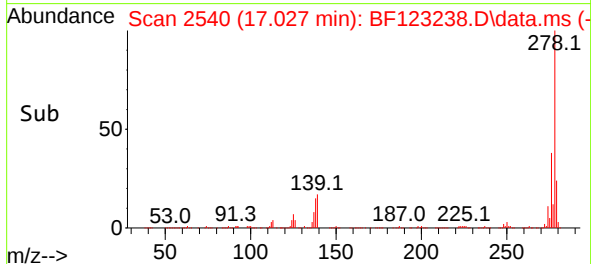
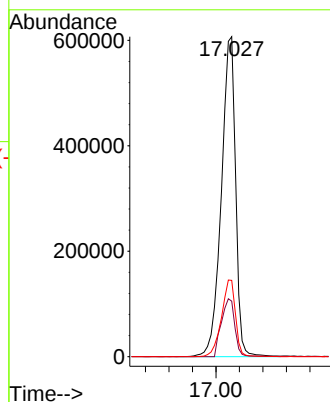
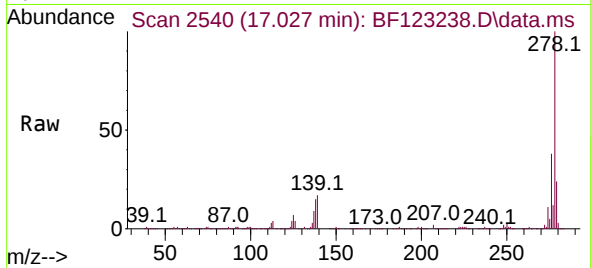




#91
Dibenzo(a,h)anthracene
Concen: 43.05 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

Tgt Ion:278 Resp: 1024995
Ion Ratio Lower Upper
278 100
139 17.3 12.0 18.0
279 23.9 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 46.73 ng
RT: 17.456 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF123238.D
Acq: 19 Feb 2021 21:44

Tgt Ion:276 Resp: 1024841
Ion Ratio Lower Upper
276 100
277 24.6 19.3 28.9
138 24.8 16.6 24.8

