

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072621\
 Data File : BF124783.D
 Acq On : 27 Jul 2021 1:26
 Operator : JU/CG
 Sample : M3176-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B7-TP-(9.5-12)

Quant Time: Jul 27 04:27:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

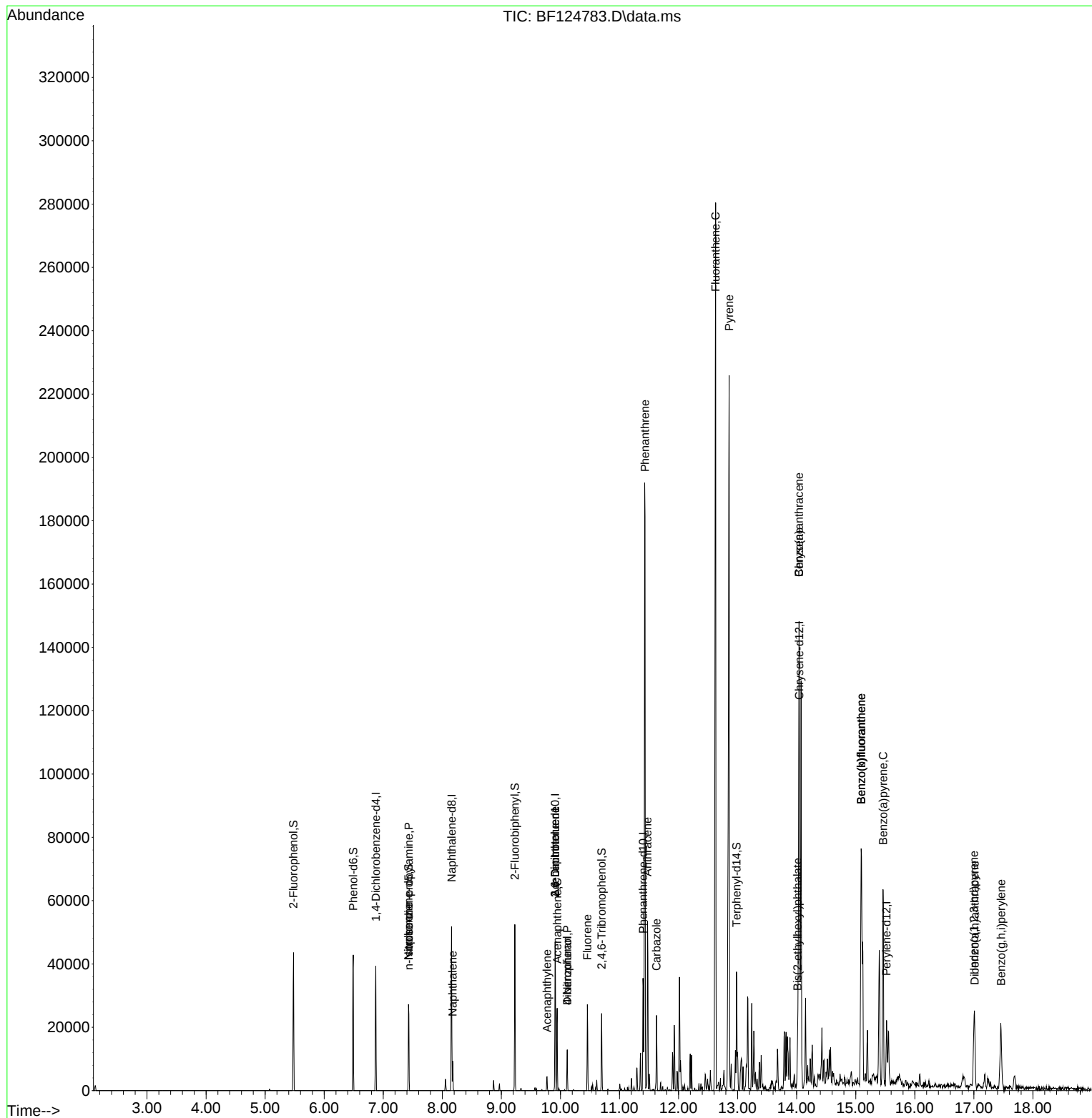
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	5687	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	21171	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	9836	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	15797	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	12678	20.000	ng	0.00
86) Perylene-d12	15.521	264	9088	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	11184	33.298	ng	0.00
7) Phenol-d6	6.492	99	12611	29.949	ng	0.00
23) Nitrobenzene-d5	7.428	82	8090	22.743	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	2204	26.098	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	14419	21.531	ng	0.00
79) Terphenyl-d14	12.980	244	13715	18.544	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	1068	4.750	ng	# 56
25) Isophorone	7.428	82	8090	12.862	ng	# 59
31) Naphthalene	8.175	128	4892	4.428	ng	98
49) Acenaphthylene	9.774	152	2712	3.026	ng	97
51) 2,6-Dinitrotoluene	9.910	165	1228	8.207	ng	# 26
52) Acenaphthene	9.945	154	5492	9.243	ng	95
55) Dibenzofuran	10.116	168	5179	6.100	ng	95
56) 4-Nitrophenol	10.116	139	2007	16.145	ng	# 10
57) 2,4-Dinitrotoluene	9.910	165	1228	6.048	ng	# 18
58) Fluorene	10.457	166	7316	11.232	ng	96
71) Phenanthrene	11.433	178	77995	91.798	ng	98
72) Anthracene	11.474	178	20172	23.749	ng	98
73) Carbazole	11.627	167	9828	12.344	ng	97
75) Fluoranthene	12.627	202	122520	141.311	ng	99
78) Pyrene	12.857	202	105298	104.912	ng	97
81) Benzo(a)anthracene	14.039	228	51374	61.992	ng	97
83) Chrysene	14.039	228	51374	64.346	ng	98
84) Bis(2-ethylhexyl)phtha...	14.015	149	2256	3.186	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.003	276	17271	32.918	ng	# 92
88) Benzo(b)fluoranthene	15.092	252	64061	100.117	ng	98
89) Benzo(k)fluoranthene	15.092	252	64061	109.571	ng	# 98
90) Benzo(a)pyrene	15.462	252	32071	60.000	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	4888	10.642	ng	95
92) Benzo(g,h,i)perylene	17.462	276	16085	36.930	ng	# 85

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

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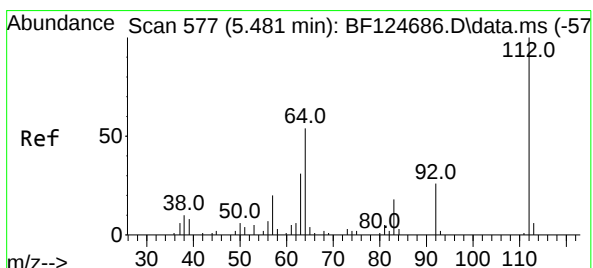
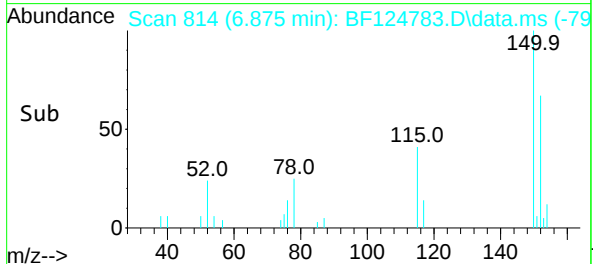
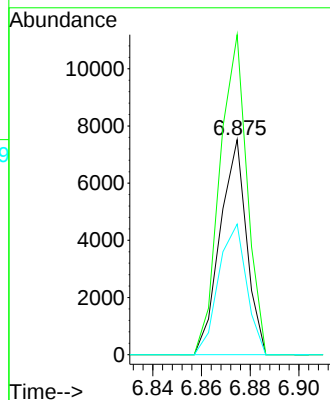
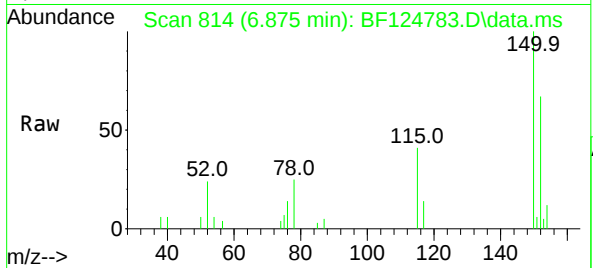




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. 0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

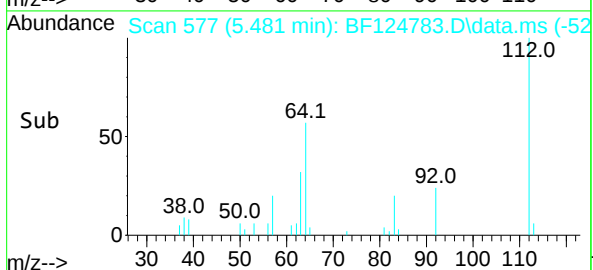
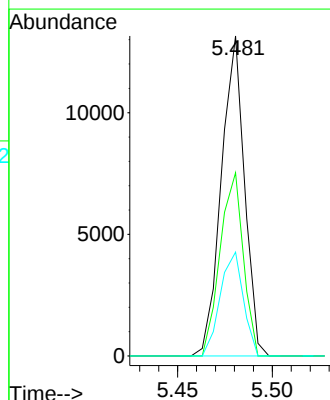
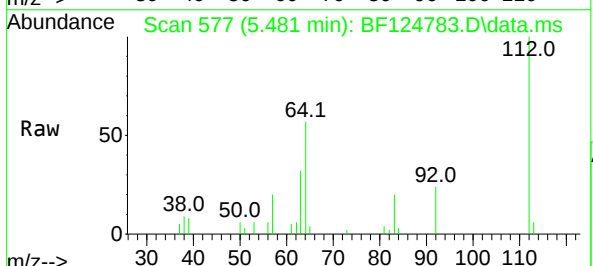
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

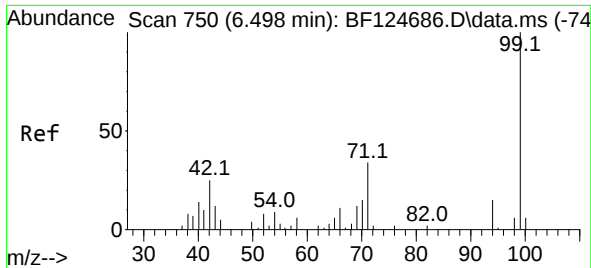
Tgt Ion:152 Resp: 5687
Ion Ratio Lower Upper
152 100
150 148.8 117.6 176.4
115 60.7 47.1 70.7



#5
2-Fluorophenol
Concen: 33.298 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:112 Resp: 11184
Ion Ratio Lower Upper
112 100
64 57.2 44.2 66.2
63 32.4 26.2 39.2

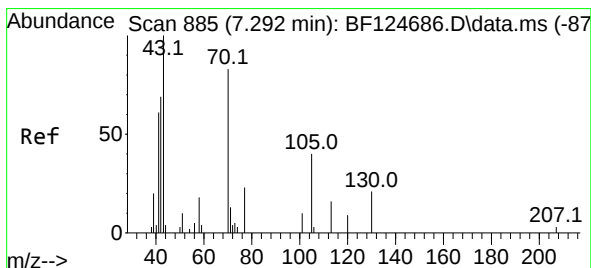
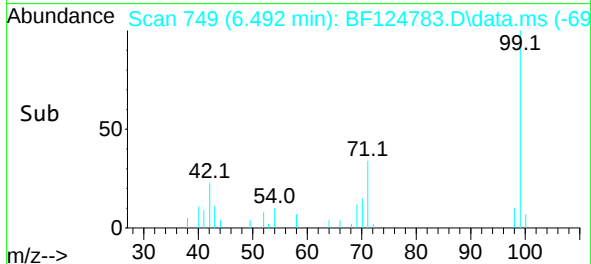
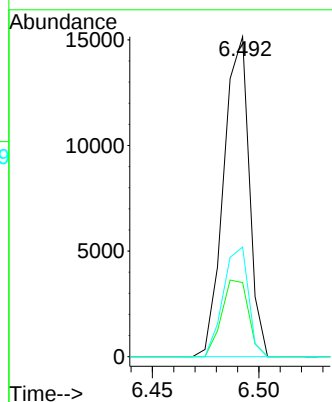
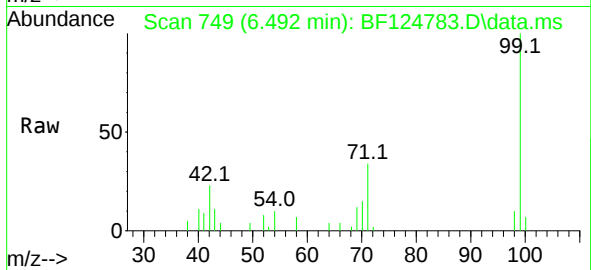




#7
Phenol-d6
Concen: 29.949 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

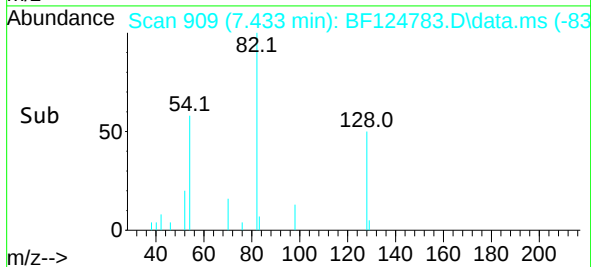
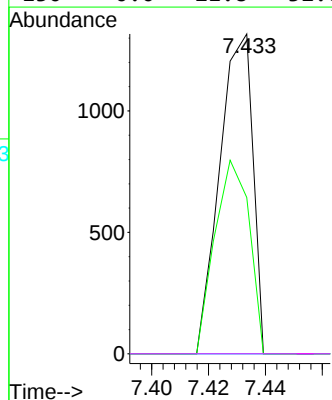
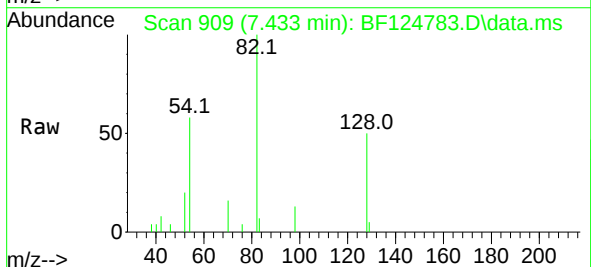
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 12611
Ion Ratio Lower Upper
99 100
42 23.2 23.5 35.3#
71 34.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.750 ng
RT: 7.433 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion: 70 Resp: 1068
Ion Ratio Lower Upper
70 100
42 48.9 72.2 108.2#
101 0.0 7.8 11.8#
130 0.0 21.8 32.6#

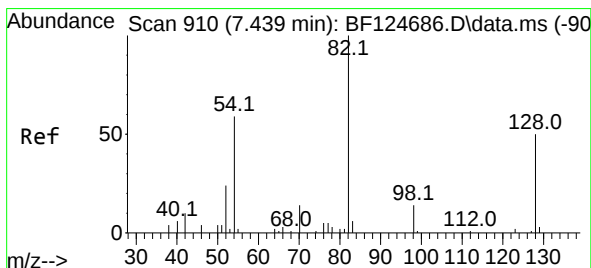
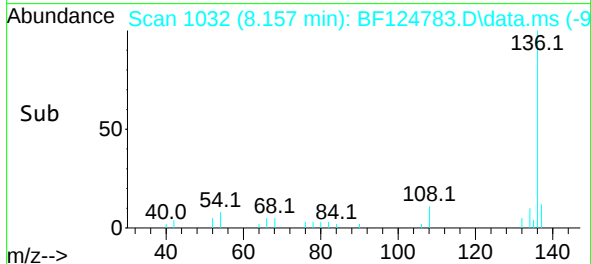
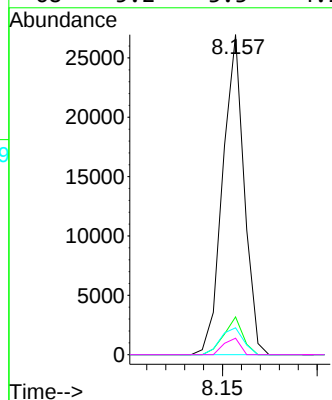
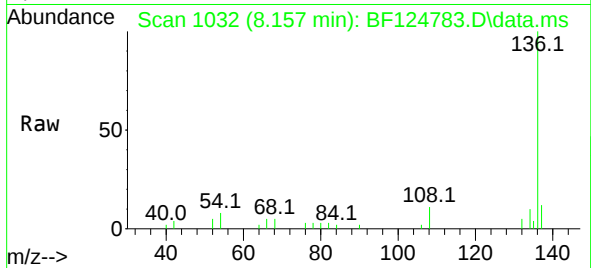




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

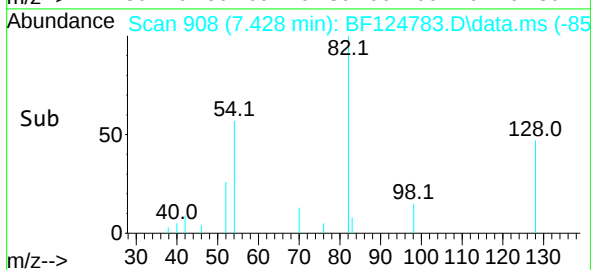
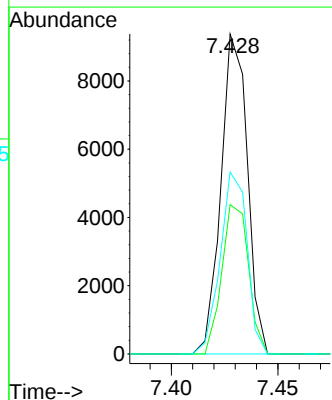
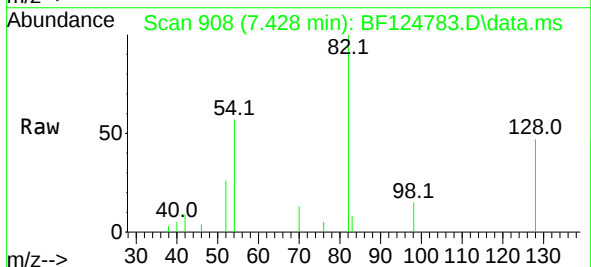
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

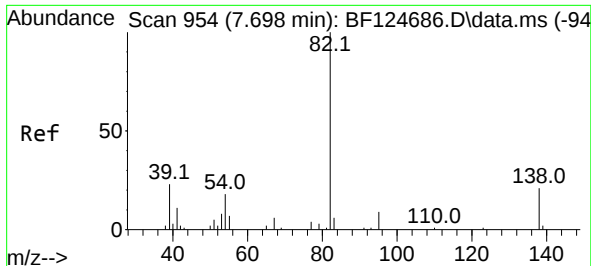
Tgt Ion:	136	Resp:	21171
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.8	14.6
54	8.4	6.4	9.6
68	5.2	3.3	4.9



#23
Nitrobenzene-d5
Concen: 22.743 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:	82	Resp:	8090
Ion	Ratio	Lower	Upper
82	100		
128	46.6	40.6	60.8
54	56.8	49.6	74.4

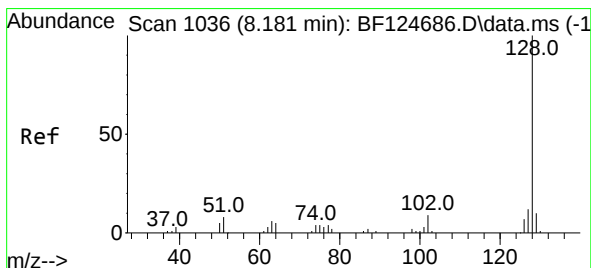
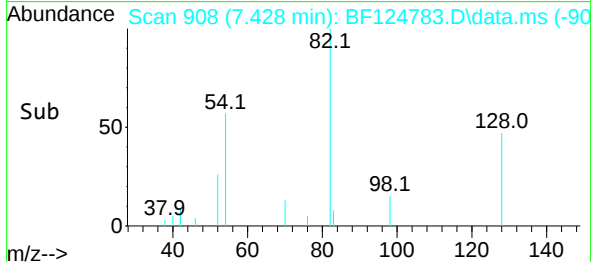
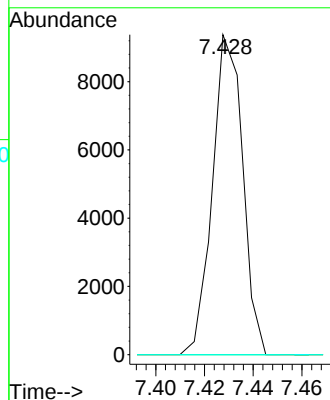
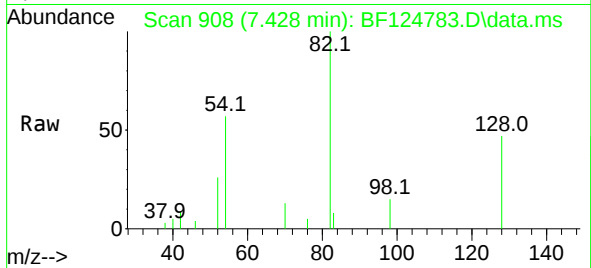




#25
Isophorone
Concen: 12.862 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.271 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

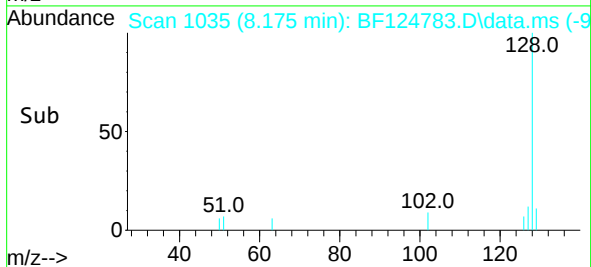
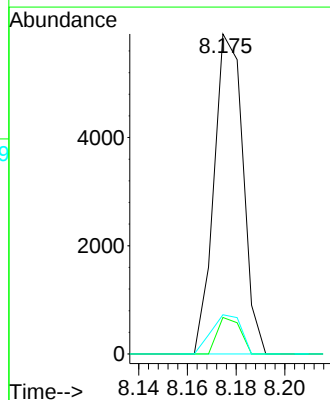
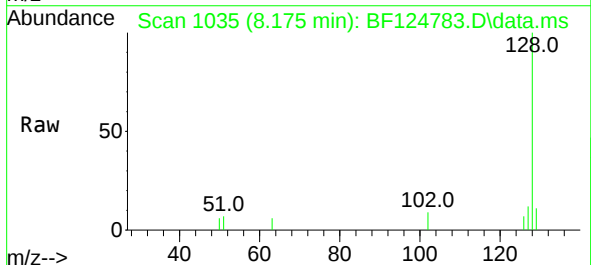
Instrument :
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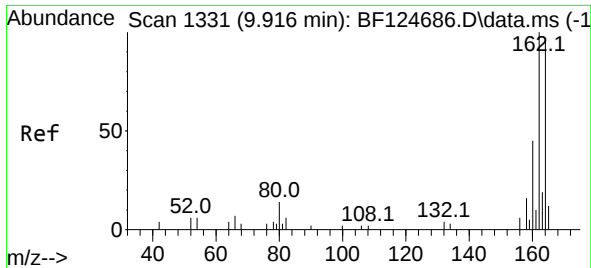
Tgt Ion: 82 Resp: 8090
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 4.428 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion: 128 Resp: 4892
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.0
127 12.2 10.9 16.3

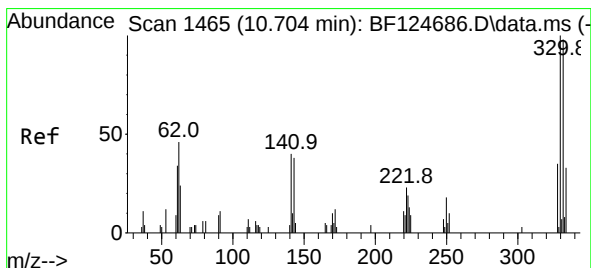
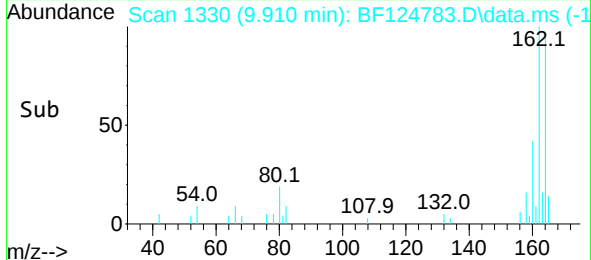
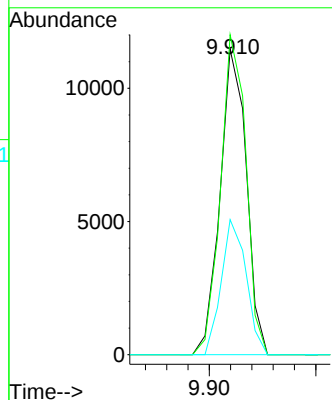
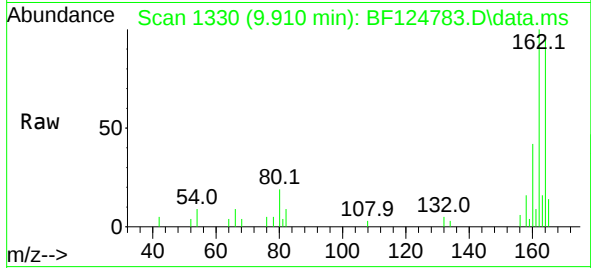




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

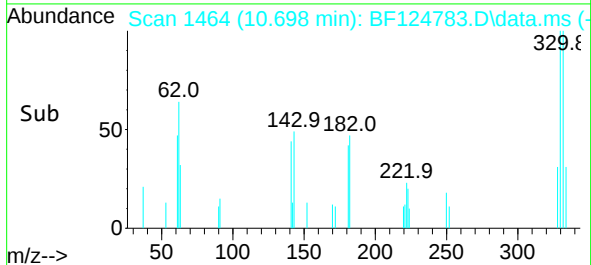
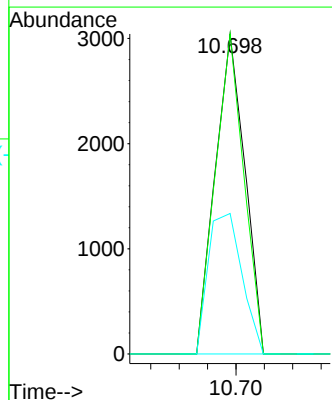
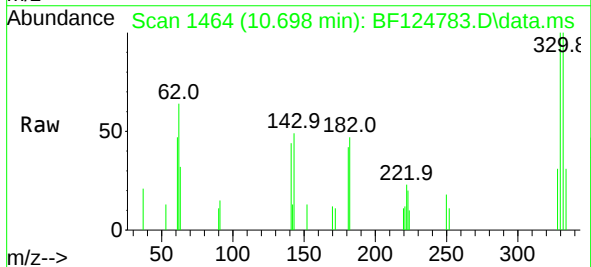
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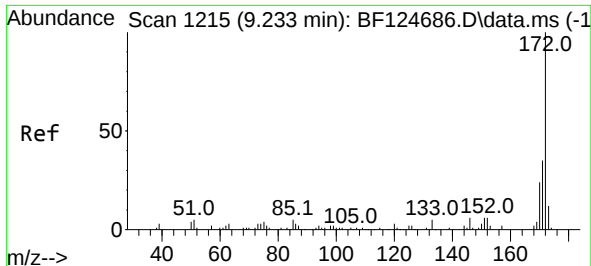
Tgt Ion:164 Resp: 9836
Ion Ratio Lower Upper
164 100
162 104.7 81.3 121.9
160 44.2 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 26.098 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:330 Resp: 2204
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 50.1 44.6 66.8

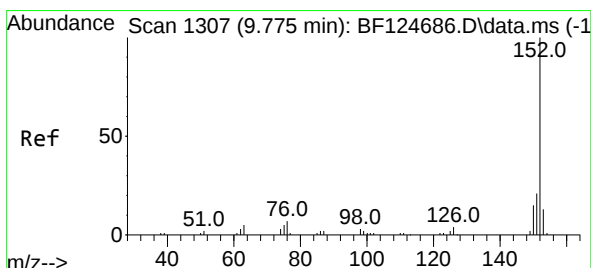
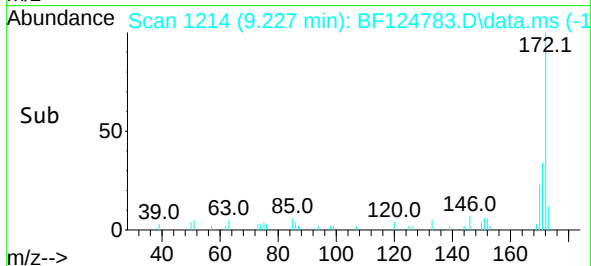
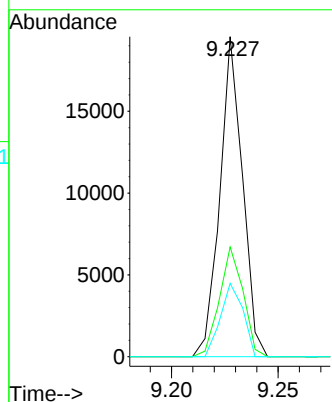
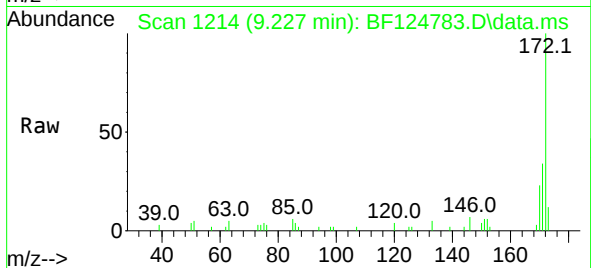




#45
2-Fluorobiphenyl
Concen: 21.531 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

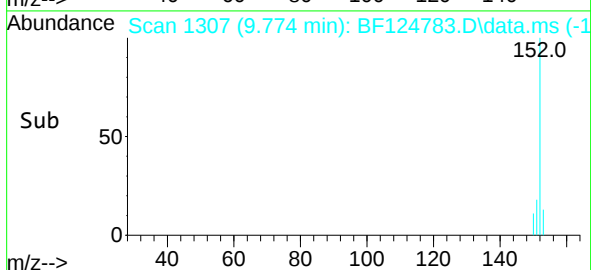
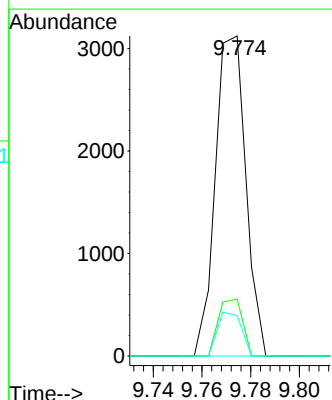
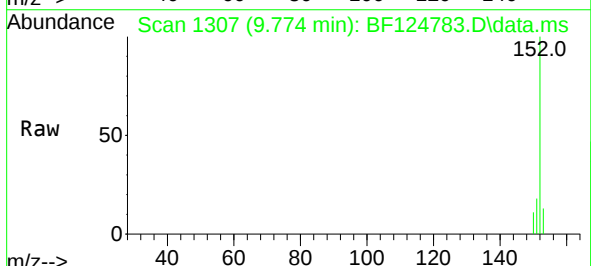
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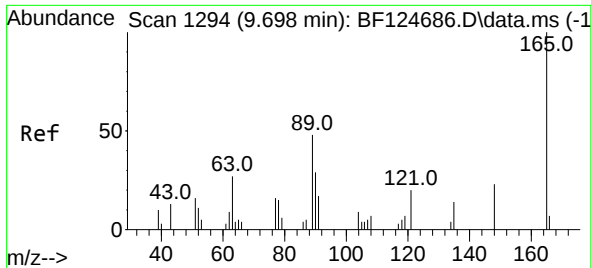
Tgt Ion:172	Resp:	14419
Ion Ratio	Lower	Upper
172	100	
171	34.3	26.5 39.7
170	22.9	18.8 28.2



#49
Acenaphthylene
Concen: 3.026 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:152	Resp:	2712
Ion Ratio	Lower	Upper
152	100	
151	17.8	15.7 23.5
153	12.6	9.8 14.8

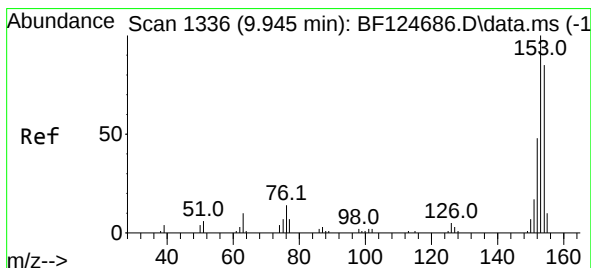
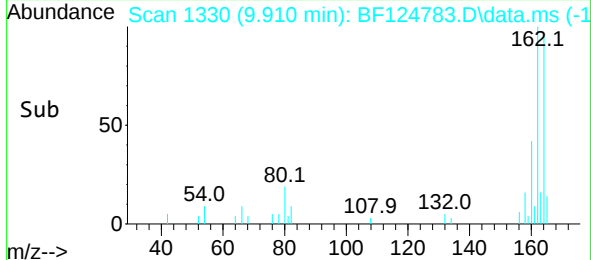
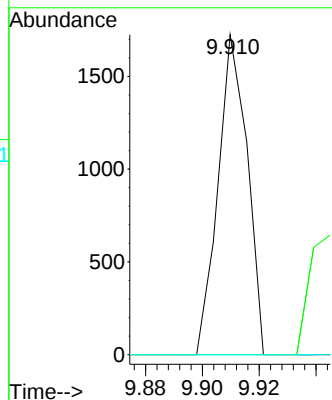
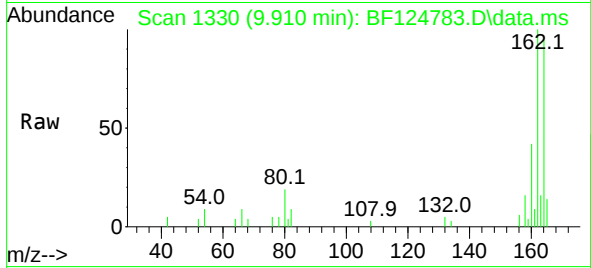




#51
2,6-Dinitrotoluene
Concen: 8.207 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

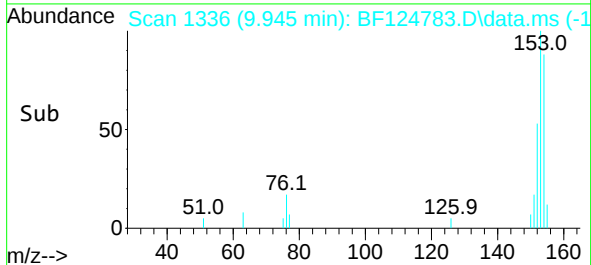
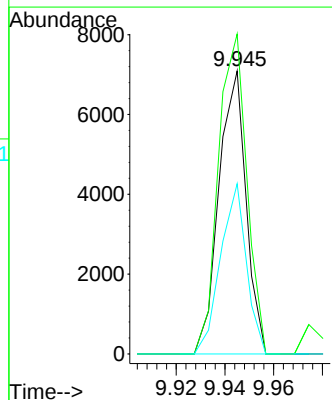
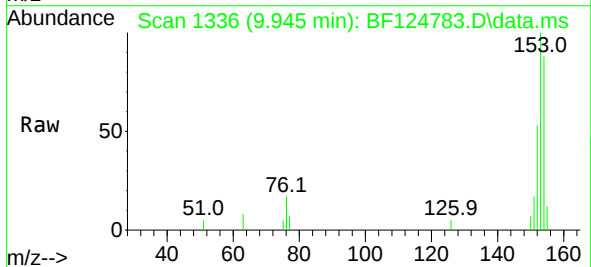
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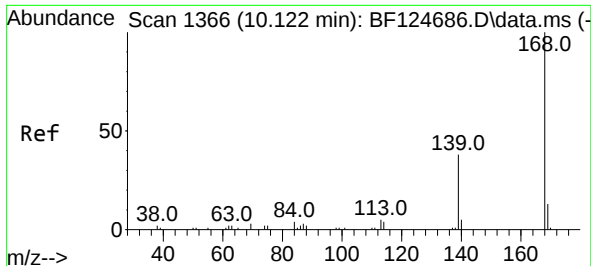
Tgt Ion:165 Resp: 1228
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#52
Acenaphthene
Concen: 9.243 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:154 Resp: 5492
Ion Ratio Lower Upper
154 100
153 113.1 89.4 134.2
152 60.2 40.5 60.7

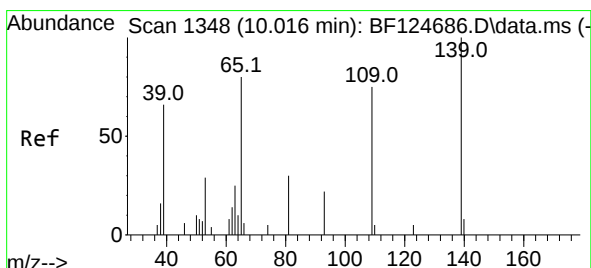
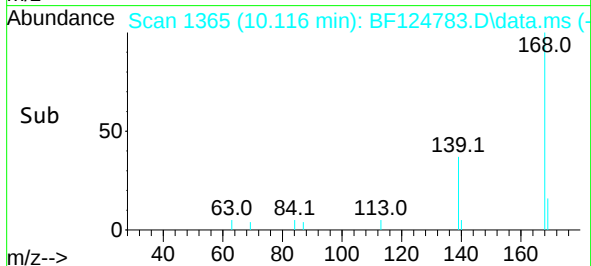
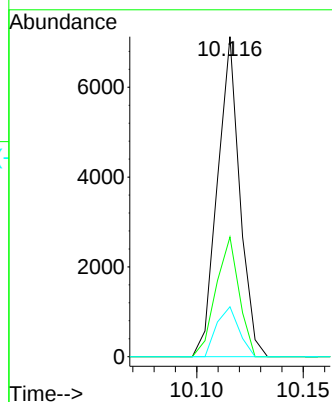
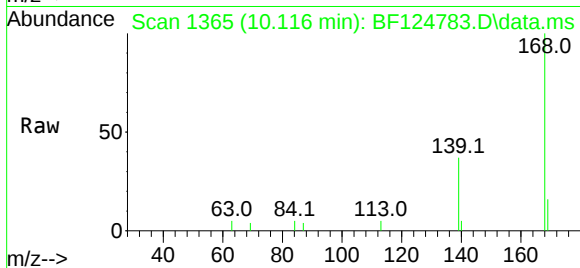




#55
Dibenzenofuran
Concen: 6.100 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

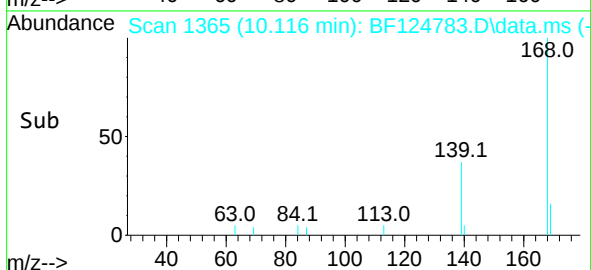
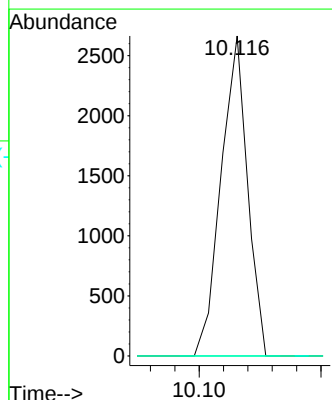
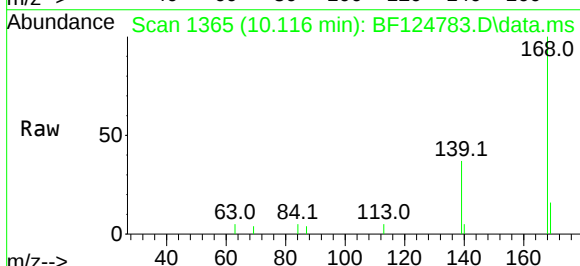
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

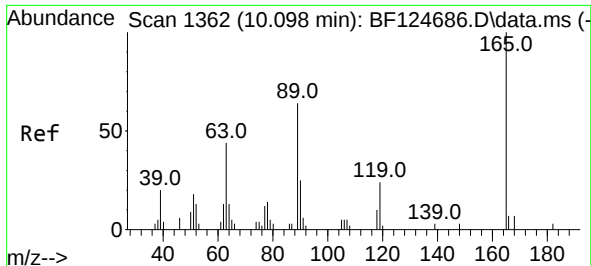
Tgt Ion:168 Resp: 5179
Ion Ratio Lower Upper
168 100
139 37.4 32.7 49.1
169 15.6 11.2 16.8



#56
4-Nitrophenol
Concen: 16.145 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.100 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

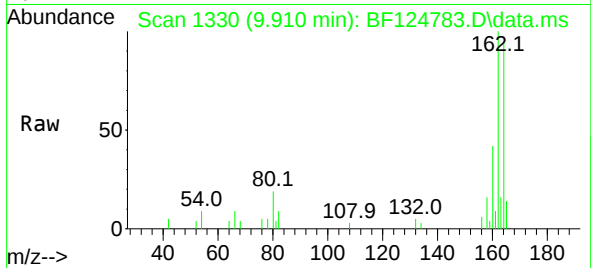
Tgt Ion:139 Resp: 2007
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 0.0 58.4 98.4#



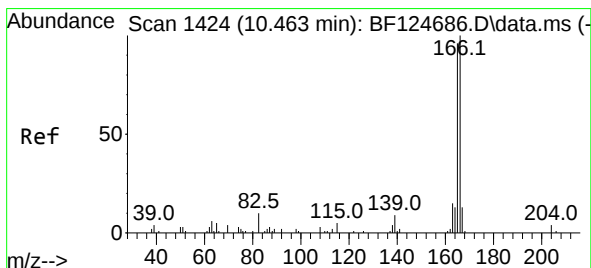
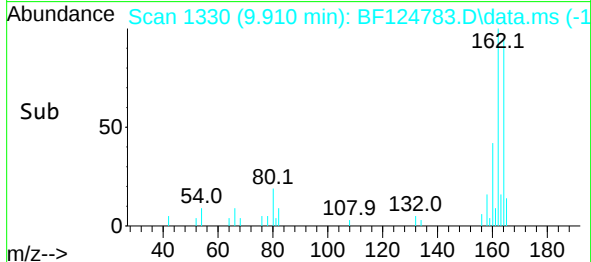
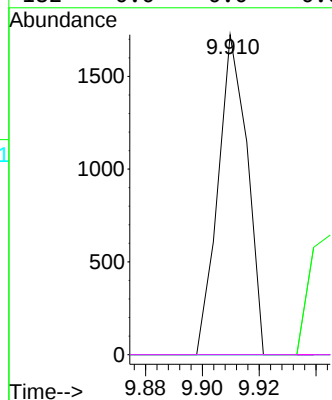


#57
2,4-Dinitrotoluene
Concen: 6.048 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

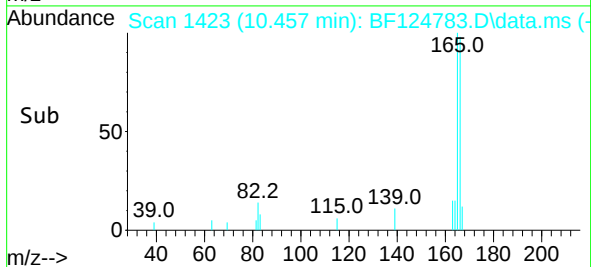
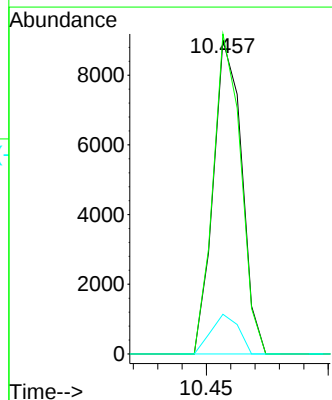
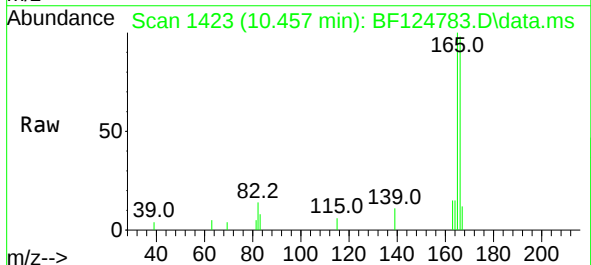


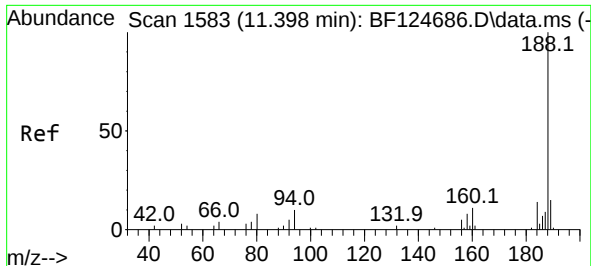
Tgt Ion:165 Resp: 1228
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: 11.232 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:166 Resp: 7316
Ion Ratio Lower Upper
166 100
165 102.0 78.1 117.1
167 12.6 11.1 16.7

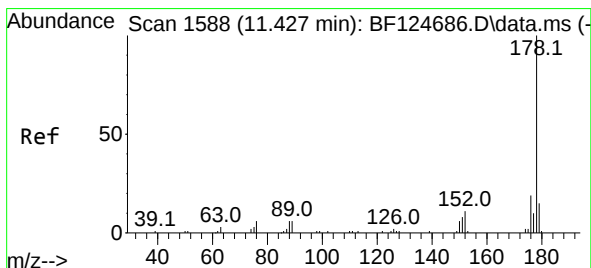
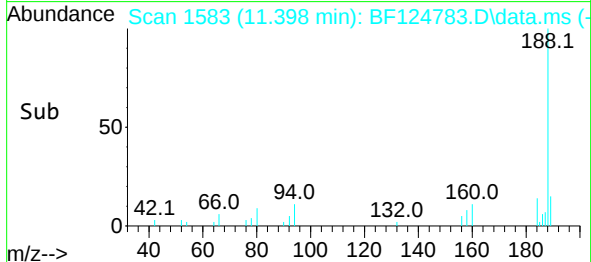
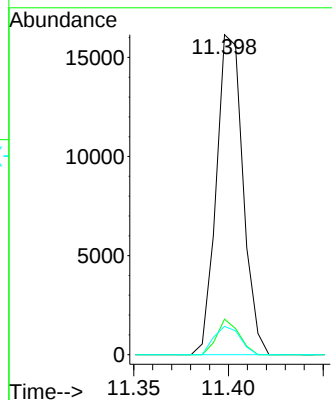
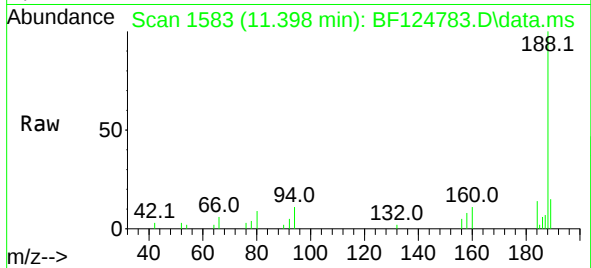




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

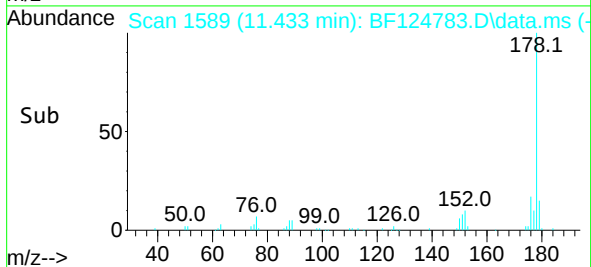
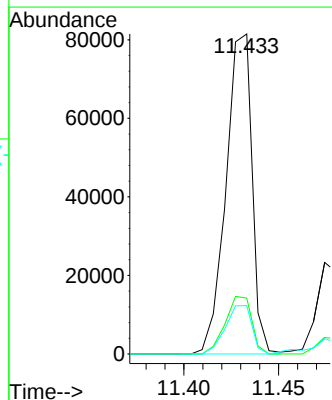
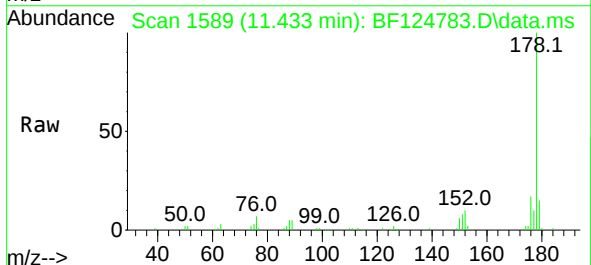
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

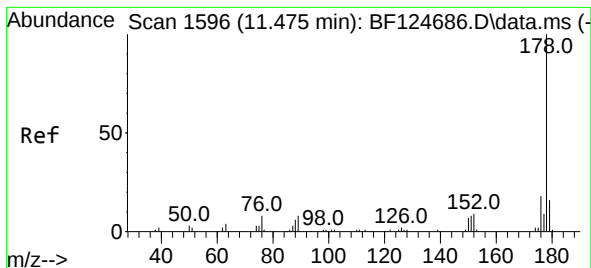
Tgt Ion:188 Resp: 15797
Ion Ratio Lower Upper
188 100
94 11.1 6.7 10.1#
80 8.8 7.5 11.3



#71
Phenanthrene
Concen: 91.798 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:178 Resp: 77995
Ion Ratio Lower Upper
178 100
176 17.5 14.7 22.1
179 15.1 11.5 17.3

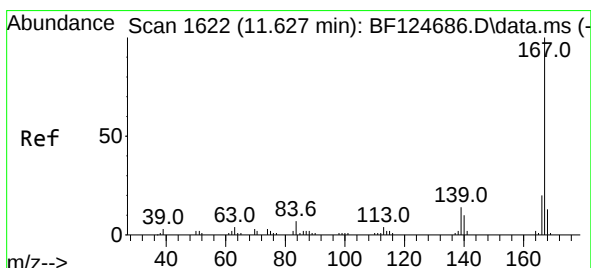
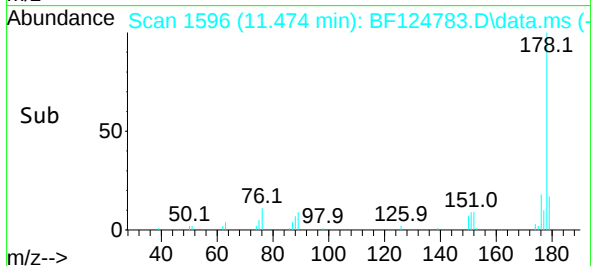
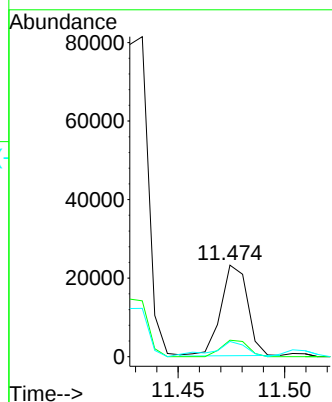
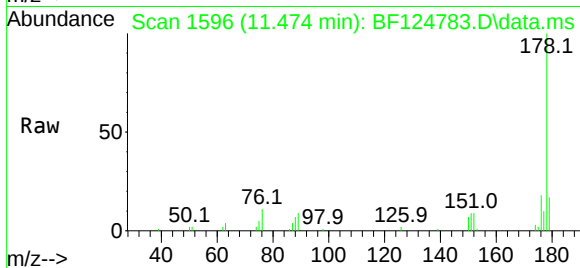




#72
Anthracene
Concen: 23.749 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

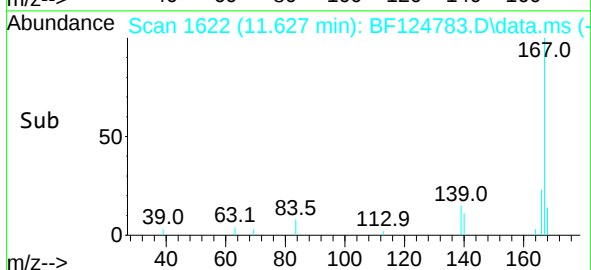
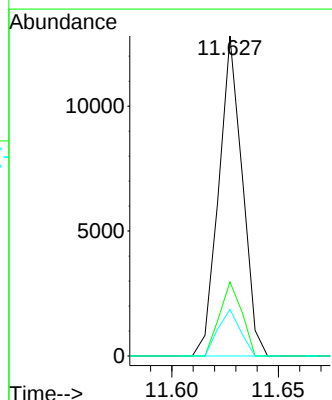
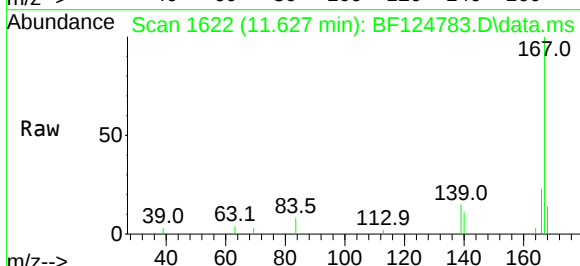
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

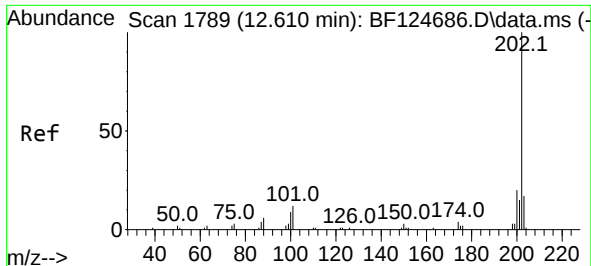
Tgt Ion:178 Resp: 20172
Ion Ratio Lower Upper
178 100
176 18.1 14.3 21.5
179 16.7 12.2 18.4



#73
Carbazole
Concen: 12.344 ng
RT: 11.627 min Scan# 1622
Delta R.T. -0.000 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:167 Resp: 9828
Ion Ratio Lower Upper
167 100
166 23.2 17.4 26.0
139 14.5 11.0 16.4

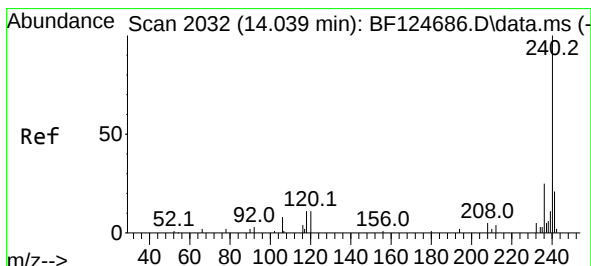
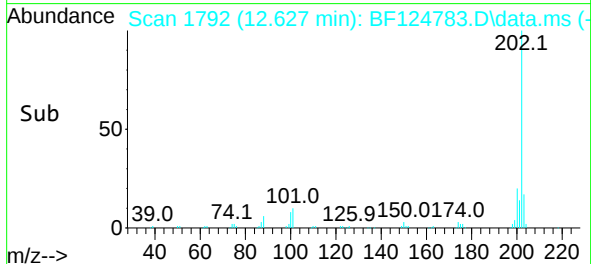
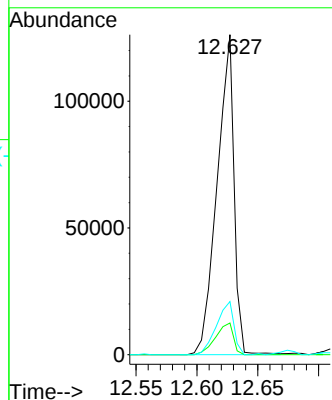
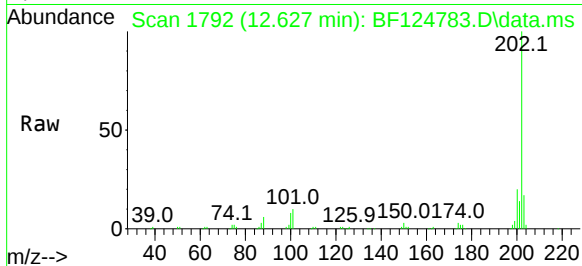




#75
Fluoranthene
Concen: 141.311 ng
RT: 12.627 min Scan# 1792
Delta R.T. 0.017 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

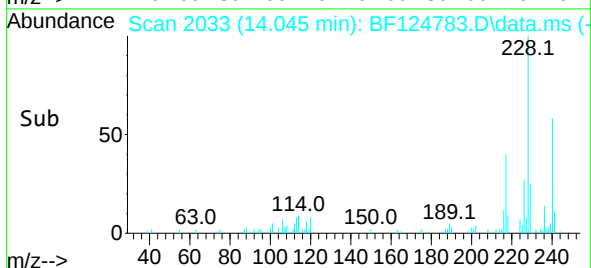
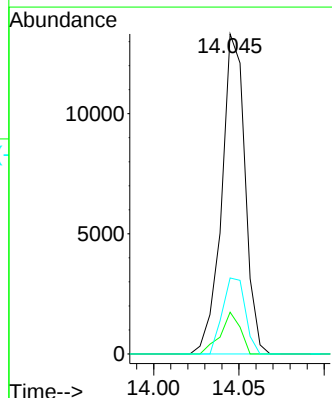
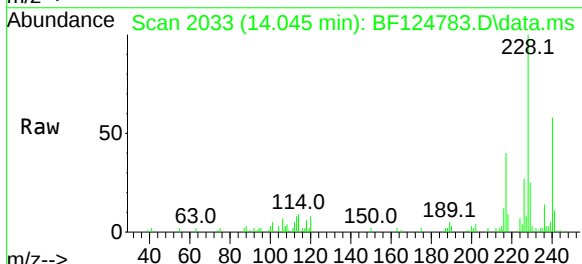
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

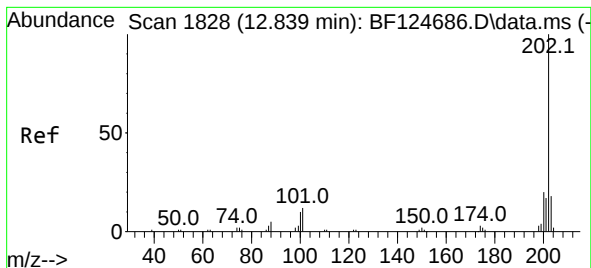
Tgt Ion:202 Resp: 122520
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.7
203 16.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:240 Resp: 12678
Ion Ratio Lower Upper
240 100
120 13.0 10.8 16.2
236 23.8 21.6 32.4

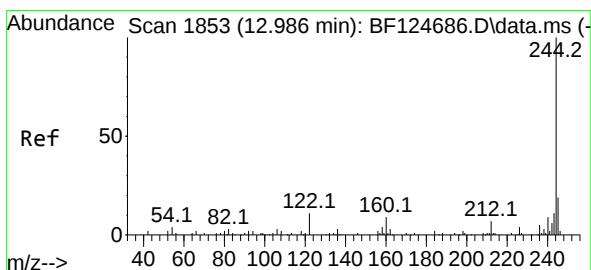
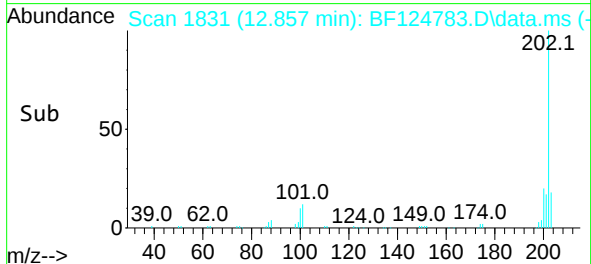
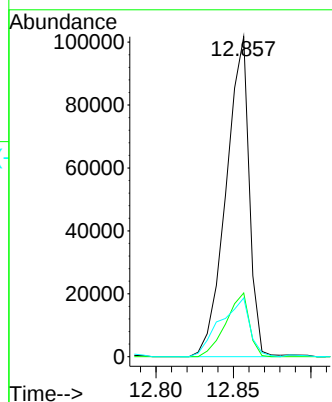
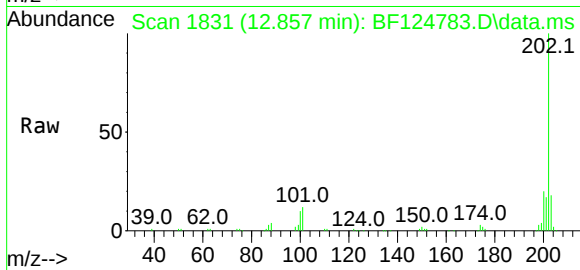




#78
Pyrene
Concen: 104.912 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.017 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

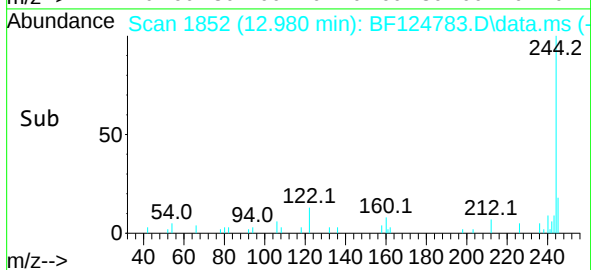
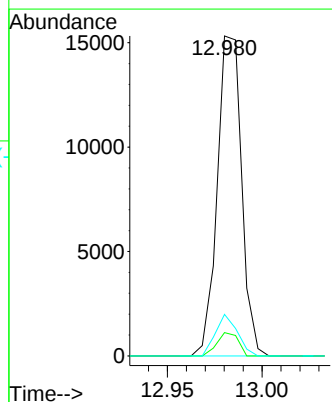
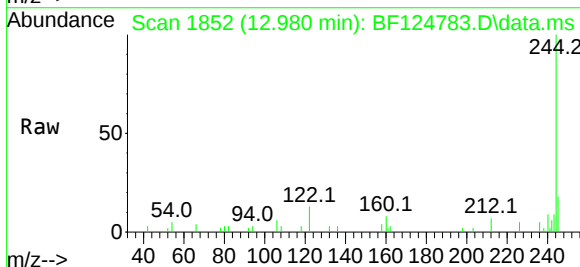
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

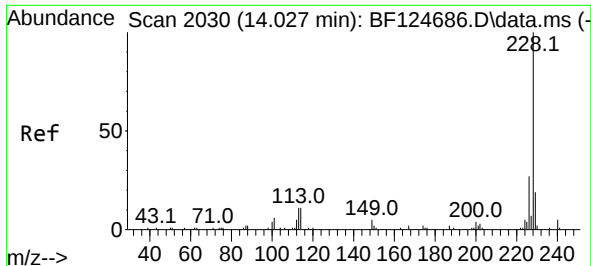
Tgt Ion:202 Resp: 105298
Ion Ratio Lower Upper
202 100
200 19.9 15.3 22.9
203 18.3 13.4 20.0



#79
Terphenyl-d14
Concen: 18.544 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:244 Resp: 13715
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 13.0 9.0 13.4

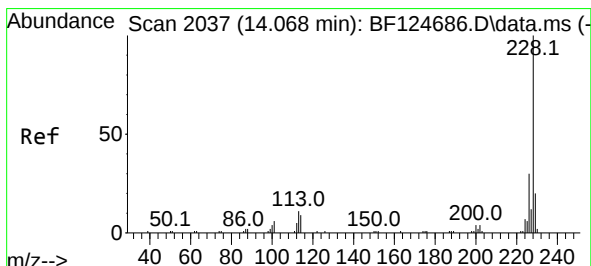
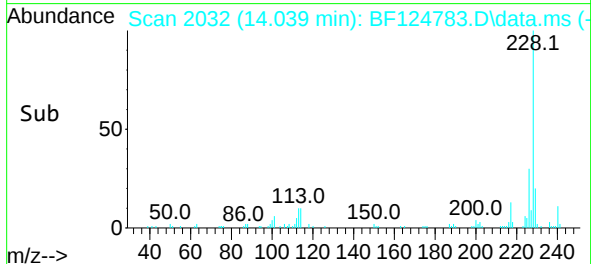
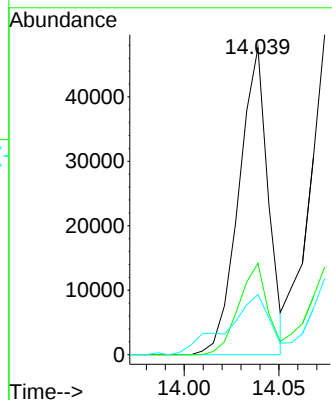
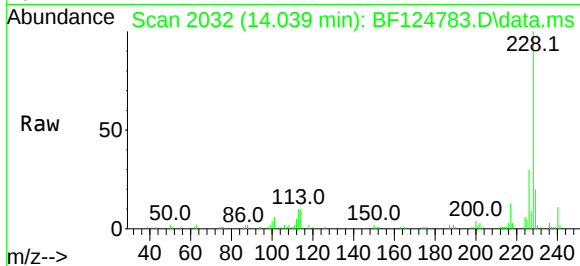




#81
Benzo(a)anthracene
Concen: 61.992 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

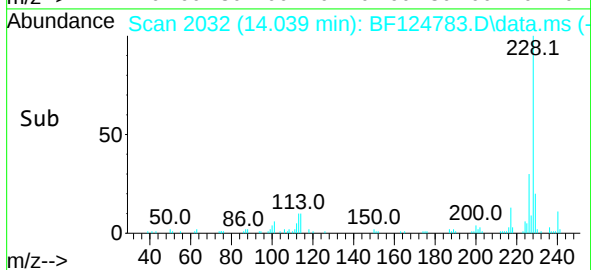
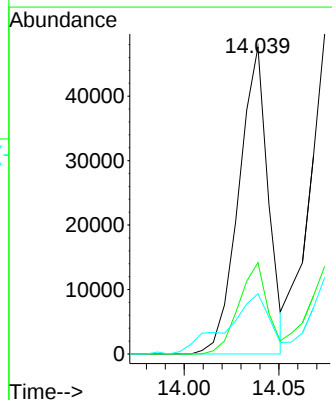
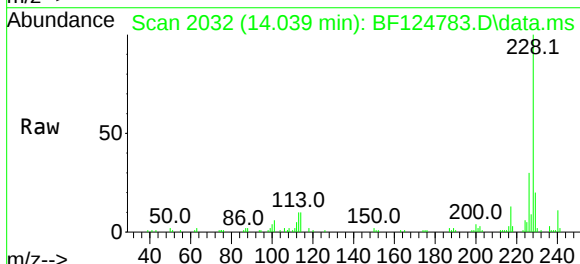
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

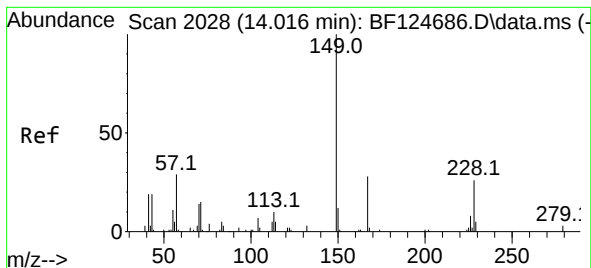
Tgt Ion:228 Resp: 51374
Ion Ratio Lower Upper
228 100
226 29.7 21.6 32.4
229 19.6 15.6 23.4



#83
Chrysene
Concen: 64.346 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.030 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:228 Resp: 51374
Ion Ratio Lower Upper
228 100
226 29.7 22.6 34.0
229 19.6 15.9 23.9

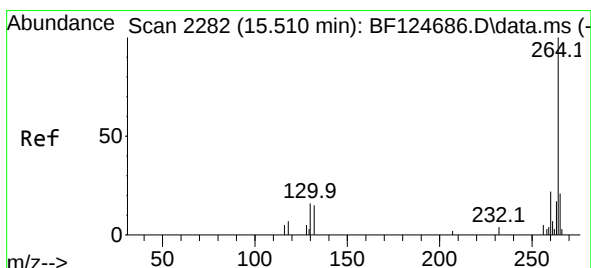
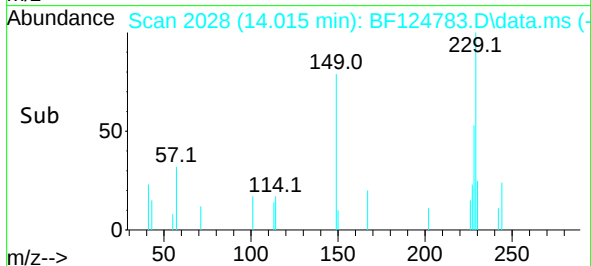
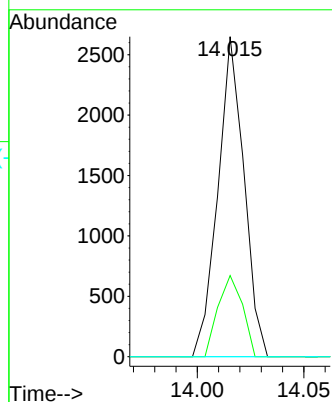
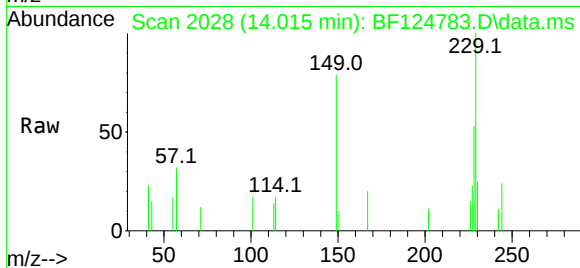




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.186 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

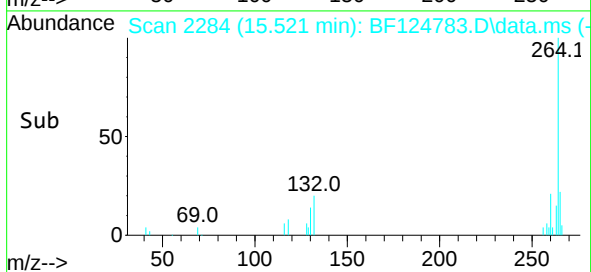
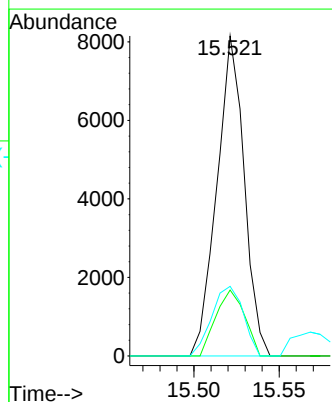
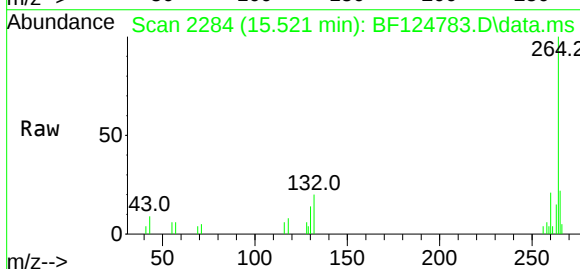
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

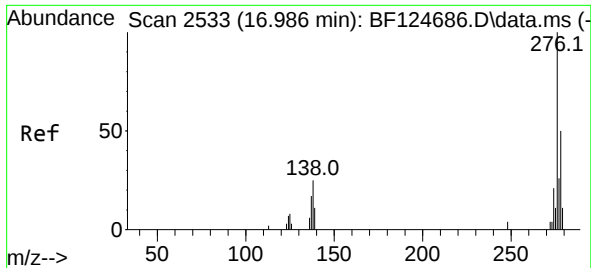
Tgt Ion:149 Resp: 2256
Ion Ratio Lower Upper
149 100
167 25.4 21.4 32.0
279 0.0 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.012 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:264 Resp: 9088
Ion Ratio Lower Upper
264 100
260 20.6 19.6 29.4
265 21.8 17.2 25.8

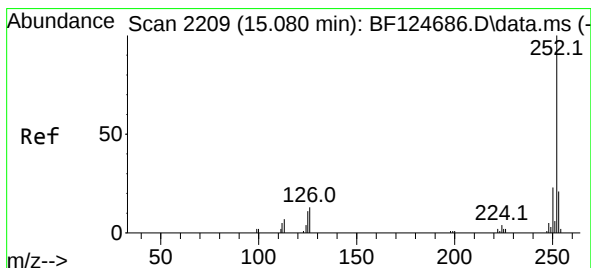
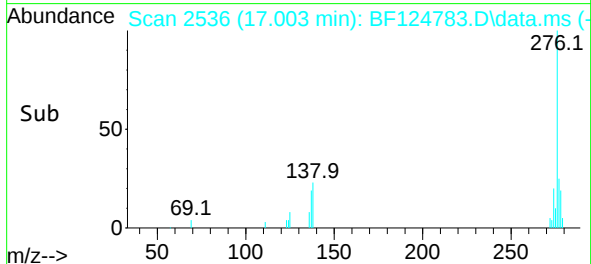
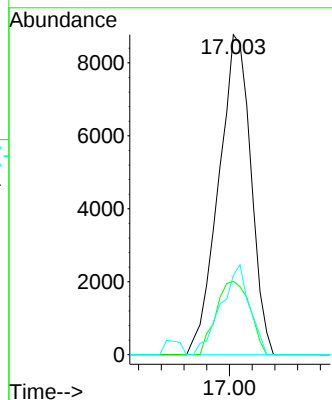
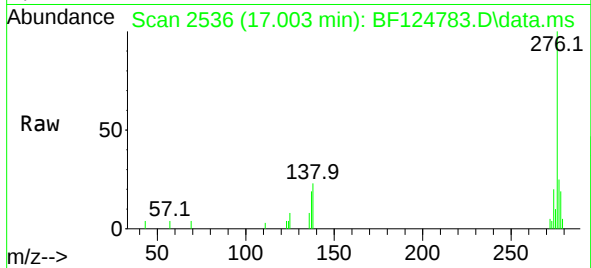




#87
Indeno(1,2,3-cd)pyrene
Concen: 32.918 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.017 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

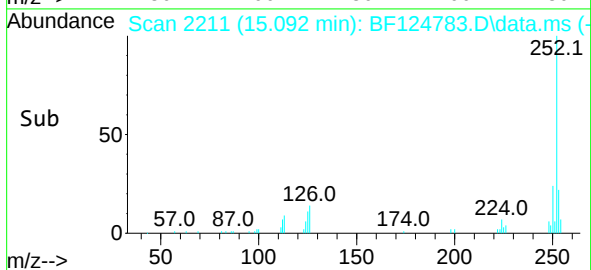
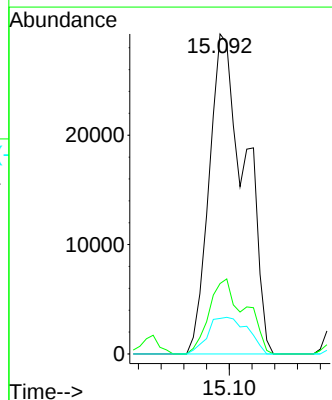
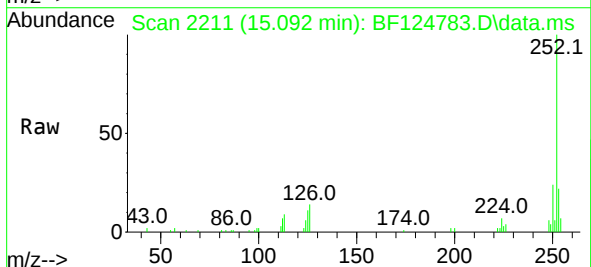
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

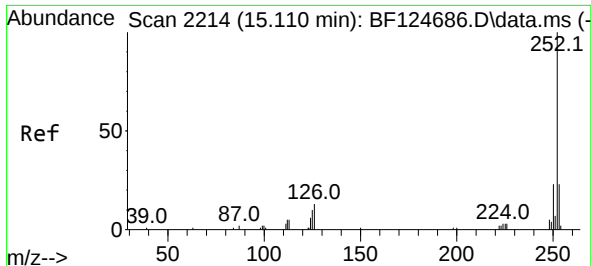
Tgt Ion:276 Resp: 17271
Ion Ratio Lower Upper
276 100
138 24.0 24.1 36.1#
277 24.9 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 100.117 ng
RT: 15.092 min Scan# 2211
Delta R.T. 0.012 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:252 Resp: 64061
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 11.1 9.8 14.8

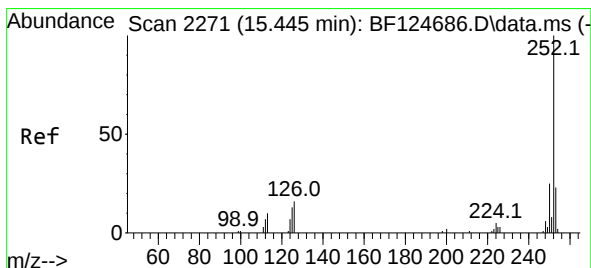
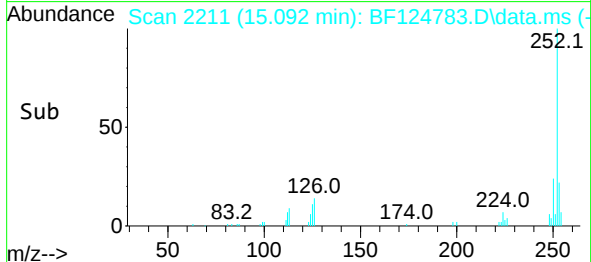
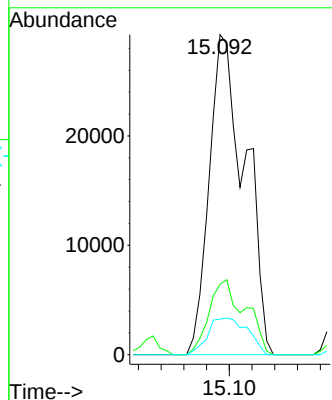
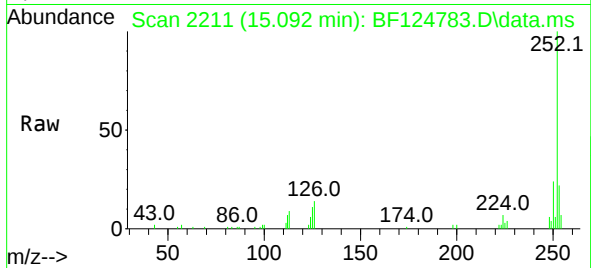




#89
Benzo(k)fluoranthene
Concen: 109.571 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.018 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

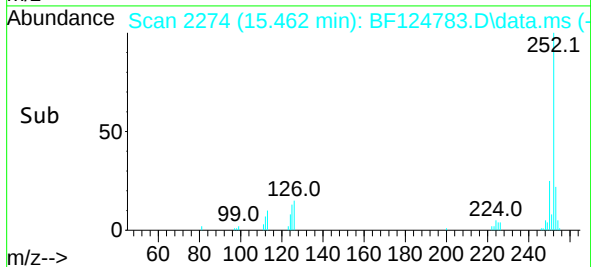
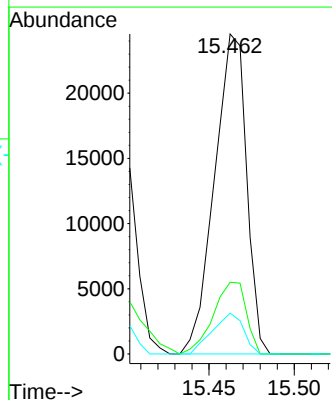
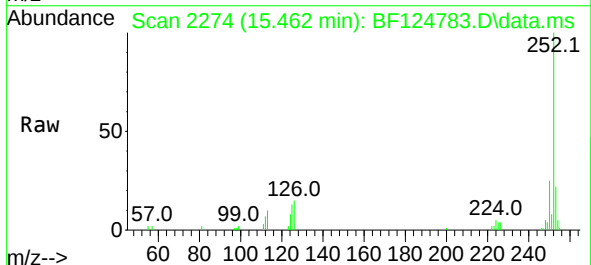
Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

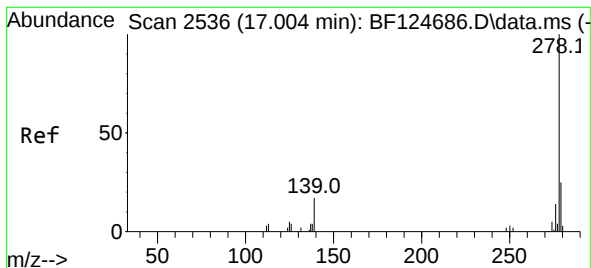
Tgt Ion:252 Resp: 64061
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 11.1 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 60.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.017 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:252 Resp: 32071
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 12.8 9.9 14.9

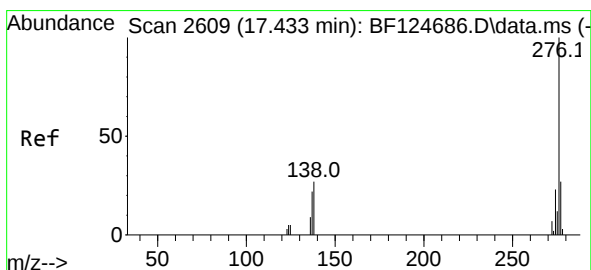
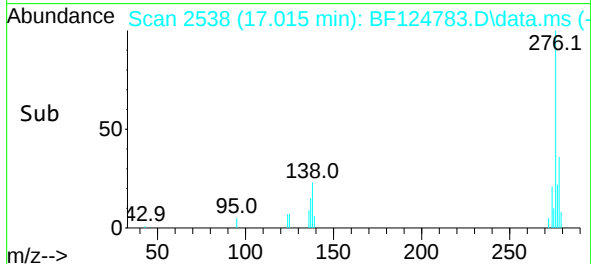
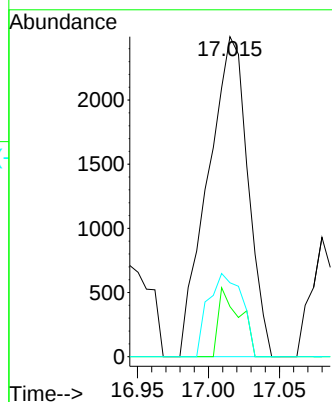
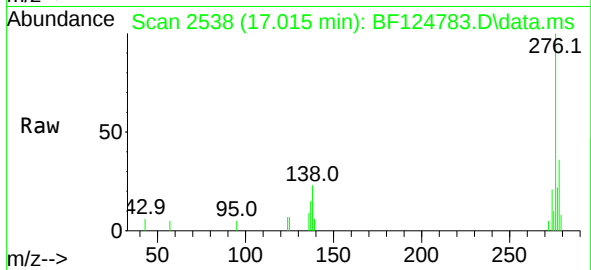




#91
Dibenzo(a,h)anthracene
Concen: 10.642 ng
RT: 17.015 min Scan# 2538
Delta R.T. 0.012 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Instrument :
BNA_F
ClientSampleId :
18-B7-TP-(9.5-12)

Tgt Ion:278 Resp: 4888
Ion Ratio Lower Upper
278 100
139 15.6 14.9 22.3
279 23.1 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 36.930 ng
RT: 17.462 min Scan# 2614
Delta R.T. 0.029 min
Lab File: BF124783.D
Acq: 27 Jul 2021 1:26

Tgt Ion:276 Resp: 16085
Ion Ratio Lower Upper
276 100
277 20.0 22.0 33.0#
138 19.3 22.2 33.4#

