

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050421\
 Data File : BF123819.D
 Acq On : 4 May 2021 20:56
 Operator : JU/CG
 Sample : M2254-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: May 05 05:13:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 04 12:58:27 2021
 Response via : Initial Calibration

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

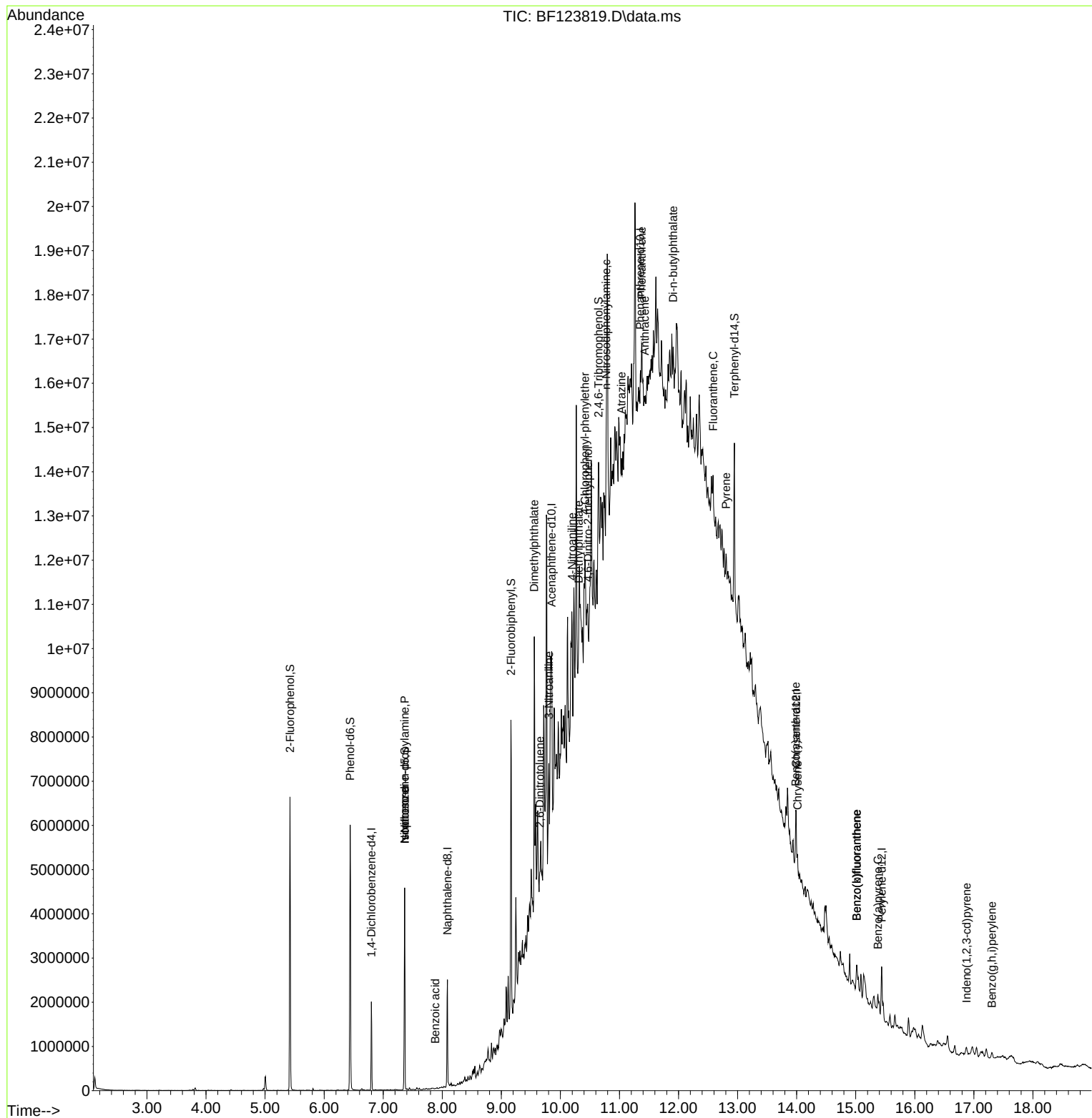
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	256319	20.00	ng	-0.01
21) Naphthalene-d8	8.087	136	942677	20.00	ng	-0.01
39) Acenaphthene-d10	9.851	164	360720	20.00	ng	0.00
64) Phenanthrene-d10	11.351	188	497997	20.00	ng	# 0.01
76) Chrysene-d12	13.992	240	467119	20.00	ng	# 0.00
86) Perylene-d12	15.439	264	554353	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1417117	87.59	ng	0.00
7) Phenol-d6	6.440	99	1884383	84.55	ng	0.00
23) Nitrobenzene-d5	7.363	82	1315537	63.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	396861	88.38	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1926406	77.77	ng	-0.01
79) Terphenyl-d14	12.945	244	1376319	56.74	ng	0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	181658	13.20	ng	# 76
25) Isophorone	7.363	82	1317304	33.64	ng	# 69
32) Benzoic acid	7.881	122	808	5.46	ng	# 23
50) Dimethylphthalate	9.557	163	59078	2.33	ng	# 1
51) 2,6-Dinitrotoluene	9.651	165	22480	3.83	ng	# 22
53) 3-Nitroaniline	9.804	138	54404	7.75	ng	# 9
60) Diethylphthalate	10.310	149	66859	2.47	ng	# 17
61) 4-Chlorophenyl-phenyle...	10.416	204	30219	2.55	ng	# 1
62) 4-Nitroaniline	10.198	138	32690	4.70	ng	85
65) 4,6-Dinitro-2-methylph...	10.469	198	7320	2.37	ng	# 1
66) n-Nitrosodiphenylamine	10.775	169	144641	8.88	ng	93
69) Atrazine	11.033	200	14644	2.97	ng	# 1
71) Phenanthrene	11.375	178	209899	8.04	ng	# 50
72) Anthracene	11.428	178	55212	2.13	ng	# 23
74) Di-n-butylphthalate	11.910	149	114339	3.88	ng	# 45
75) Fluoranthene	12.586	202	367339	12.89	ng	92
78) Pyrene	12.804	202	333134	9.19	ng	# 93
81) Benzo(a)anthracene	13.980	228	164823	5.82	ng	# 93
83) Chrysene	14.016	228	162255	5.70	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.874	276	114746	3.55	ng	98
88) Benzo(b)fluoranthene	15.016	252	317129	8.49	ng	# 84
89) Benzo(k)fluoranthene	15.016	252	317129	8.89	ng	# 84
90) Benzo(a)pyrene	15.374	252	175300	5.49	ng	# 87
92) Benzo(g,h,i)perylene	17.304	276	107750	3.95	ng	# 93

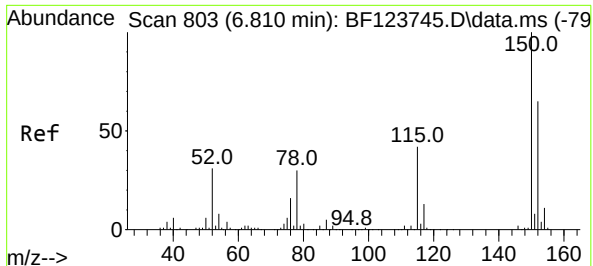
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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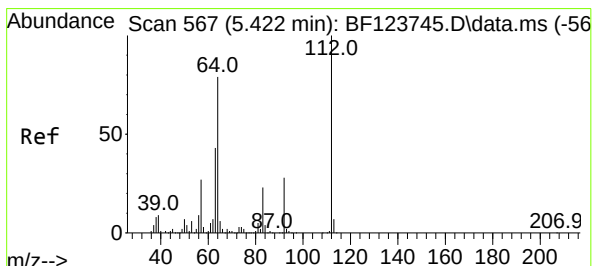
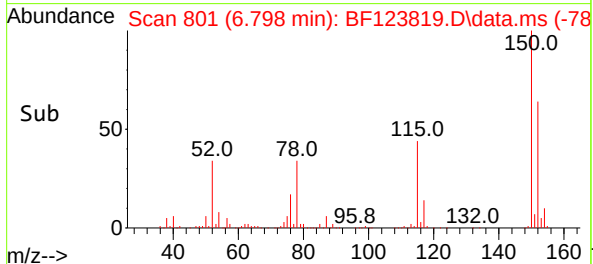
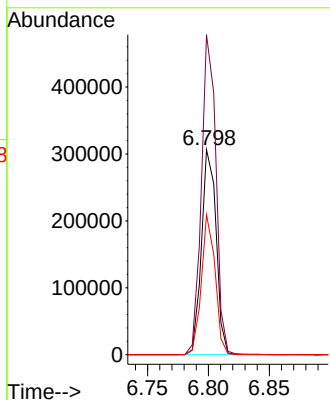
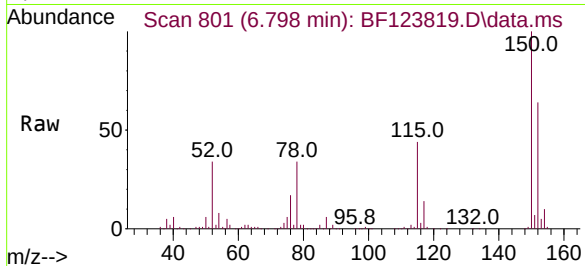




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.012 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

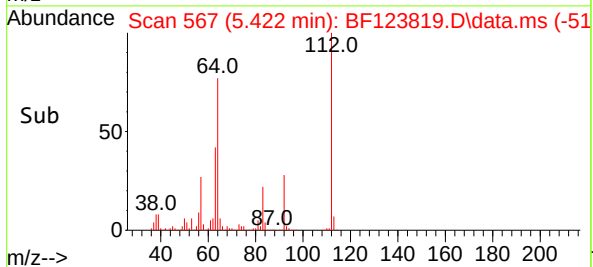
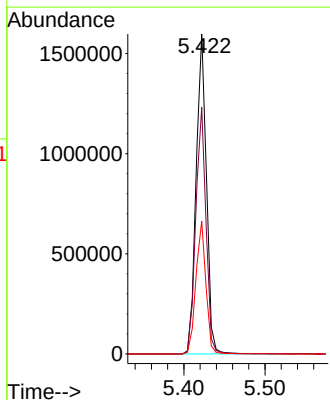
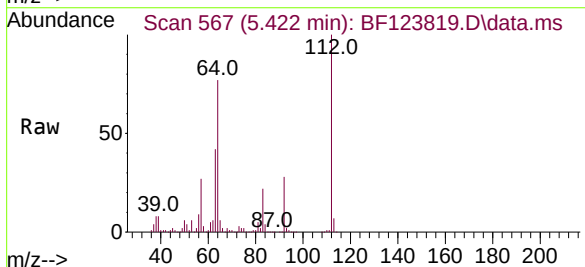
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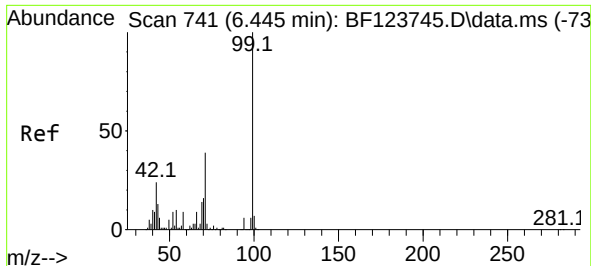
Tgt Ion:152 Resp: 256319
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 68.3 54.3 81.5



#5
2-Fluorophenol
Concen: 87.59 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:112 Resp: 1417117
Ion Ratio Lower Upper
112 100
64 77.1 61.4 92.0
63 41.6 33.0 49.4

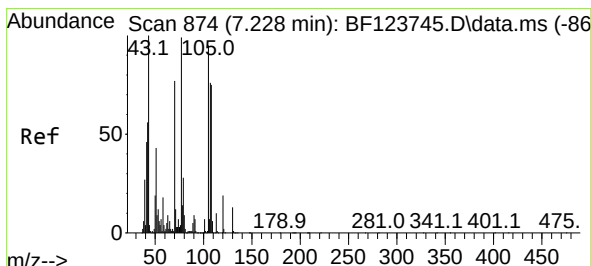
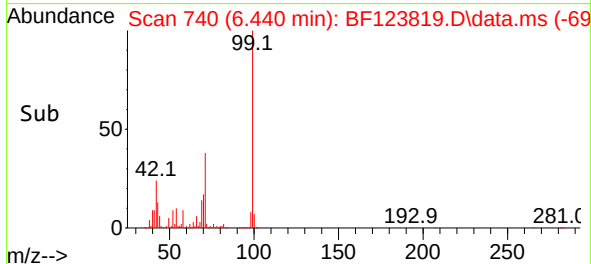
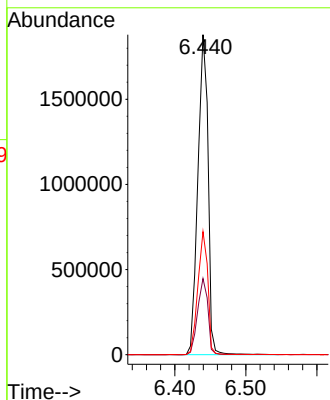
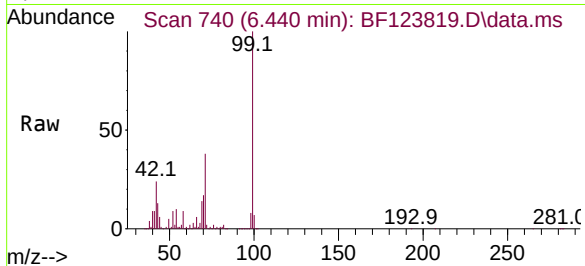




#7
Phenol-d6
Concen: 84.55 ng
RT: 6.440 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

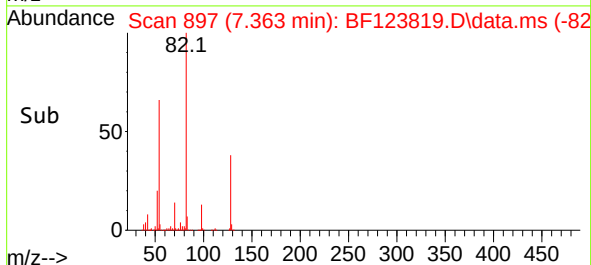
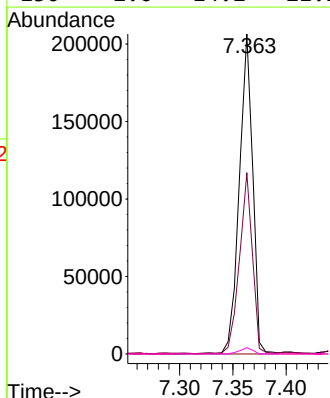
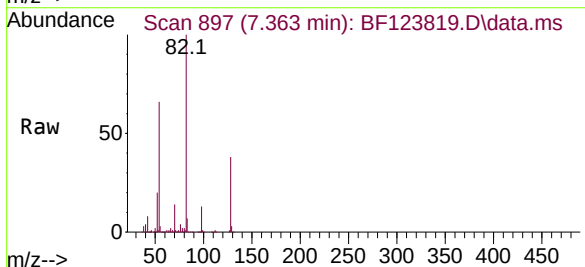
Instrument :
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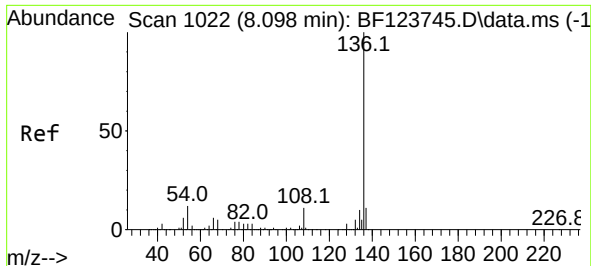
Tgt Ion: 99 Resp: 1884383
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.8
71 38.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.20 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion: 70 Resp: 181658
Ion Ratio Lower Upper
70 100
42 56.6 60.1 90.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.2#



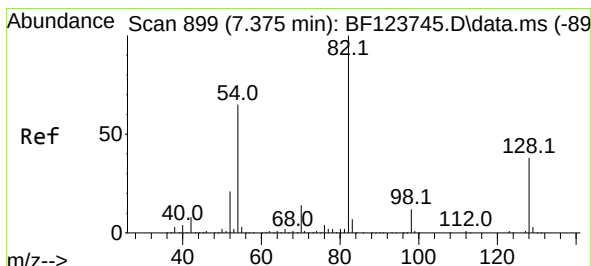
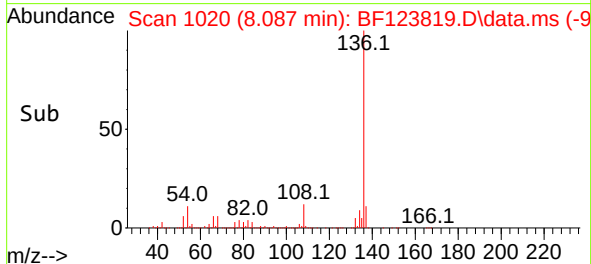
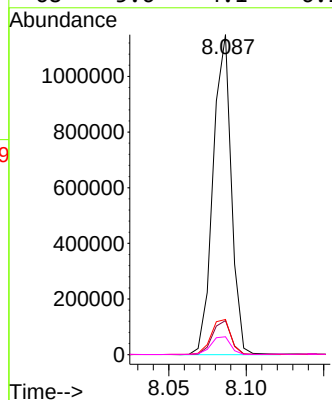
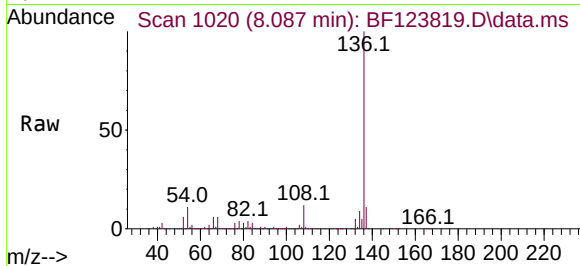


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.087 min Scan# 1020
Delta R.T. -0.011 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 942677

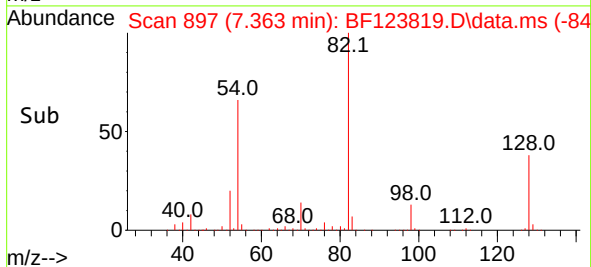
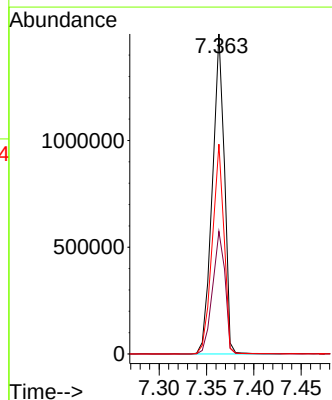
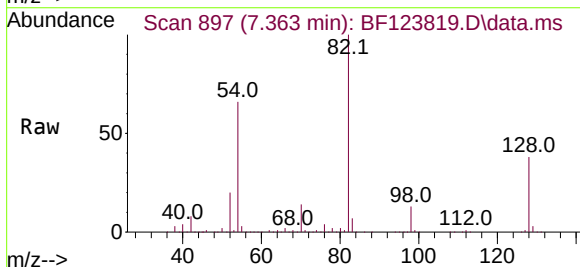
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	11.0	9.8	14.6
68	5.6	4.1	6.1

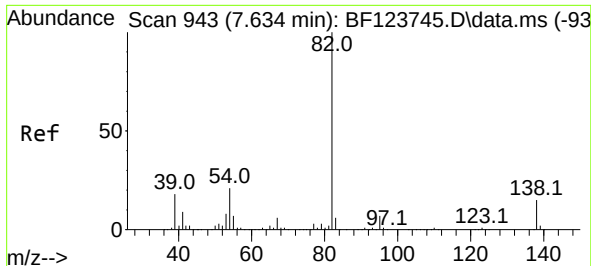


#23
Nitrobenzene-d5
Concen: 63.00 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion: 82 Resp: 1315537

Ion	Ratio	Lower	Upper
82	100		
128	38.3	29.4	44.2
54	65.6	54.1	81.1

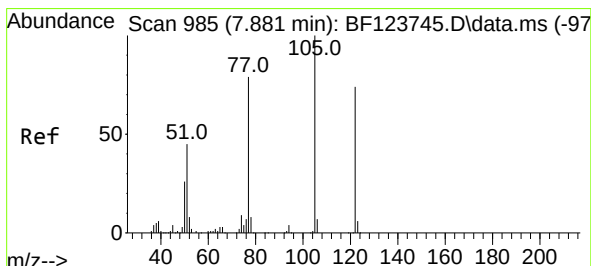
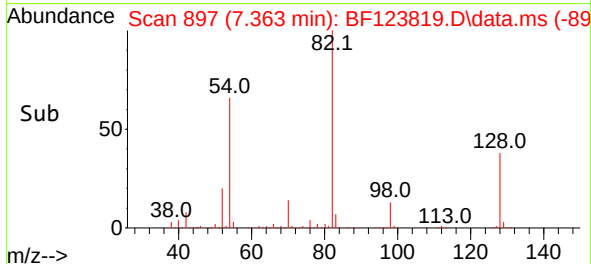
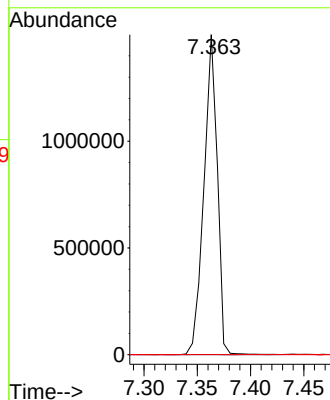
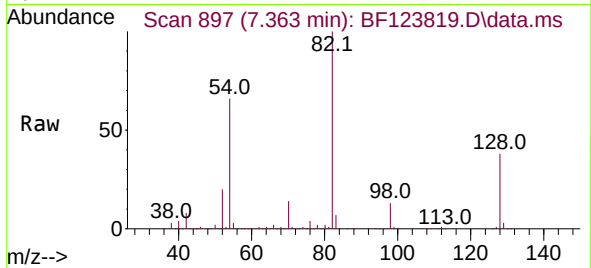




#25
Isophorone
Concen: 33.64 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.271 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

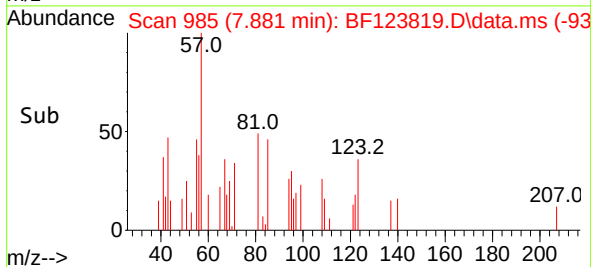
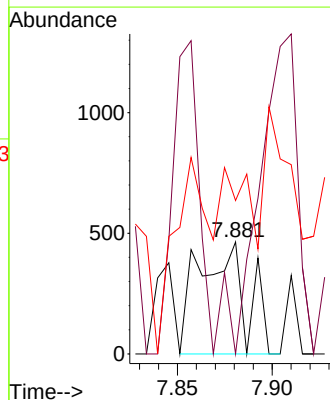
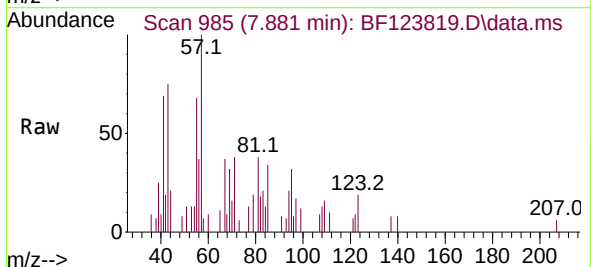
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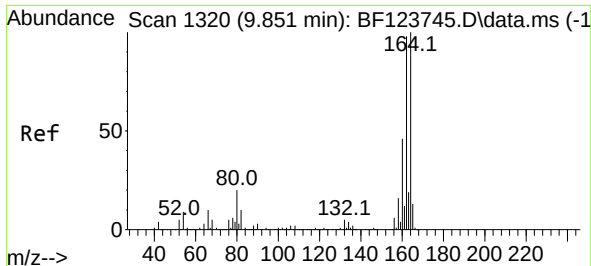
Tgt Ion: 82 Resp: 1317304
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.46 ng
RT: 7.881 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion: 122 Resp: 808
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 137.1 81.6 121.6#

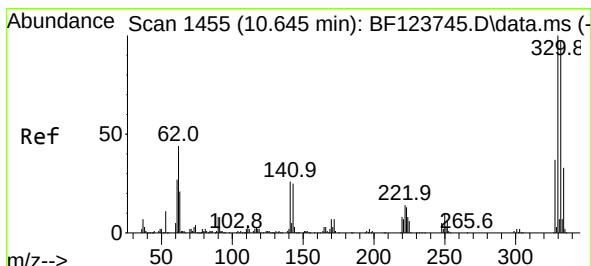
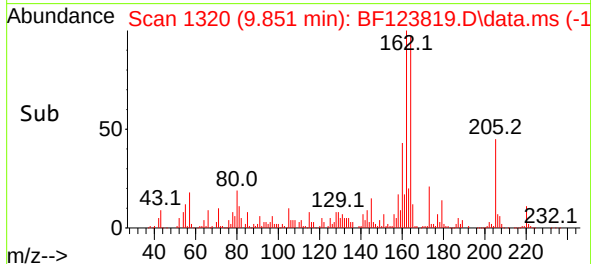
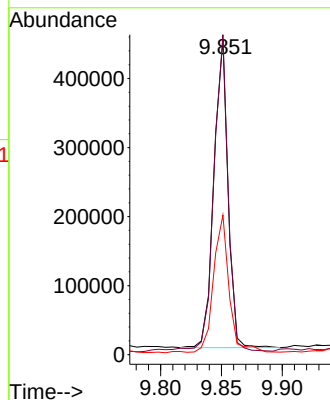
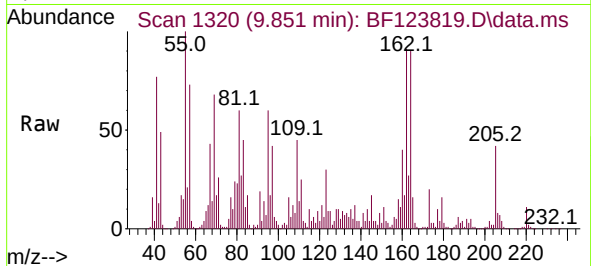




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

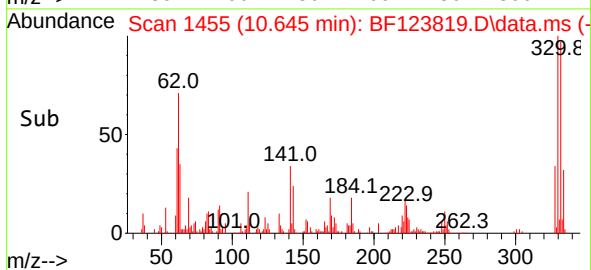
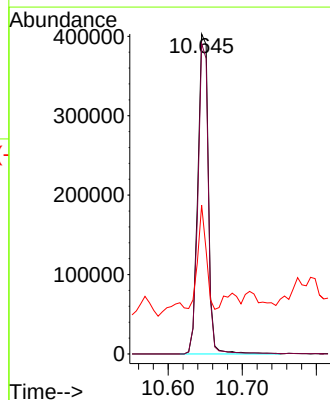
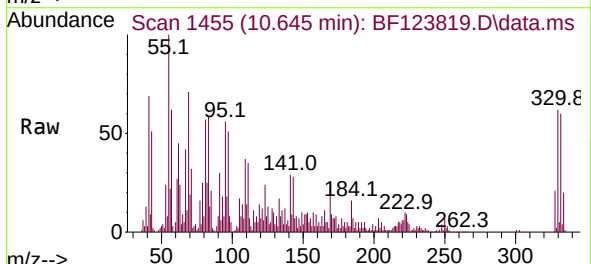
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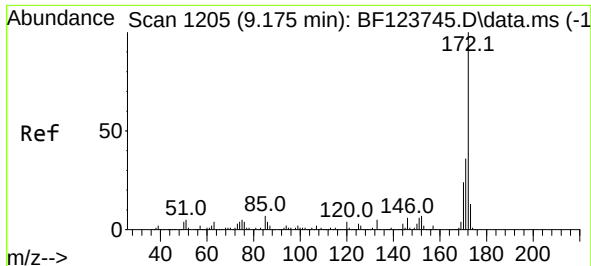
Tgt Ion:164 Resp: 360720
Ion Ratio Lower Upper
164 100
162 101.4 80.7 121.1
160 44.3 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 88.38 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:330 Resp: 396861
Ion Ratio Lower Upper
330 100
332 95.2 77.1 115.7
141 25.6 27.9 41.9#

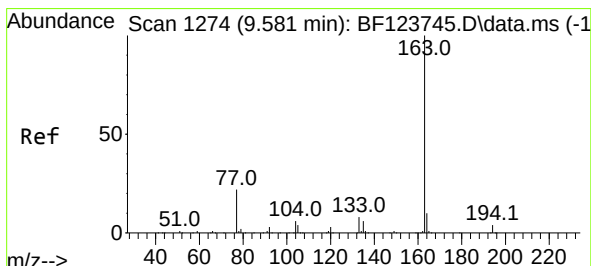
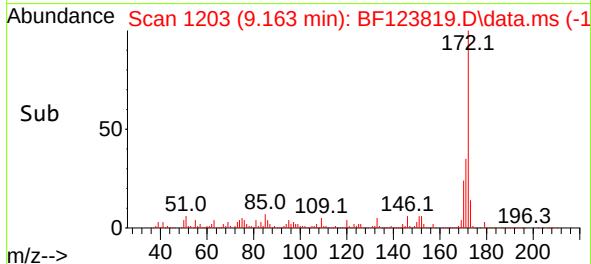
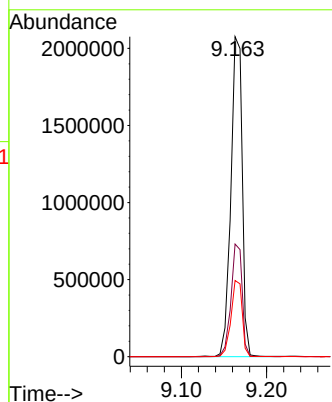
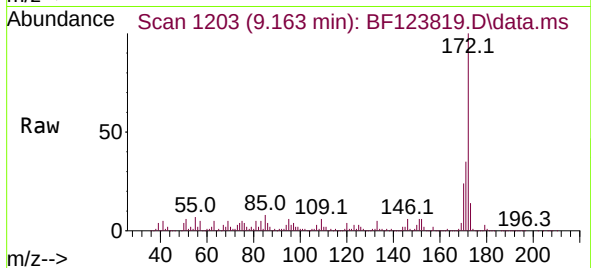




#45
2-Fluorobiphenyl
Concen: 77.77 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.012 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

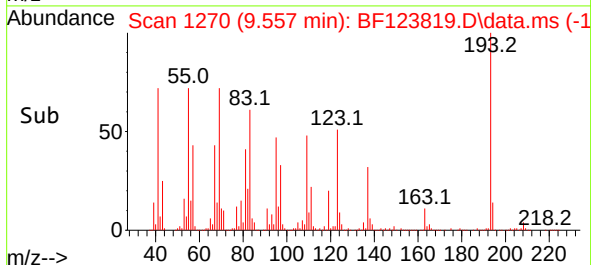
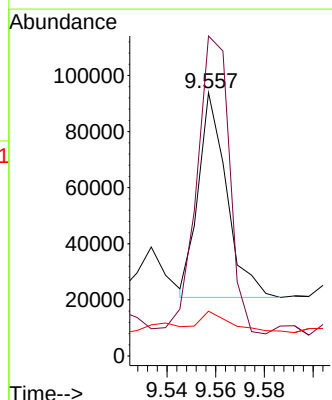
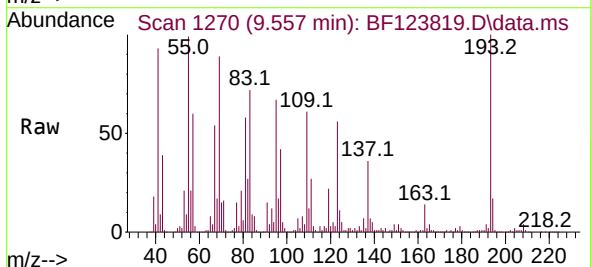
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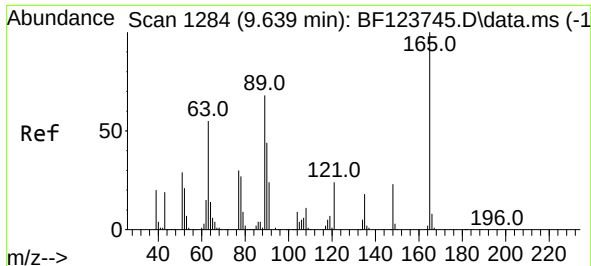
Tgt Ion:172 Resp: 1926406
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.8 19.2 28.8



#50
Dimethylphthalate
Concen: 2.33 ng
RT: 9.557 min Scan# 1270
Delta R.T. -0.024 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:163 Resp: 59078
Ion Ratio Lower Upper
163 100
194 121.5 3.1 4.7#
164 17.0 8.2 12.2#

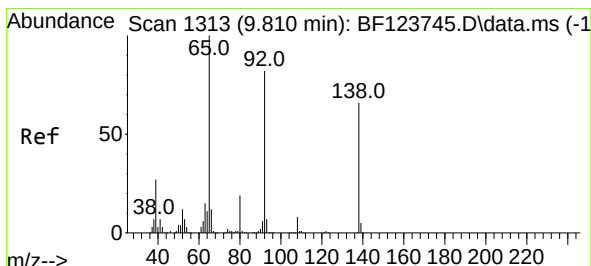
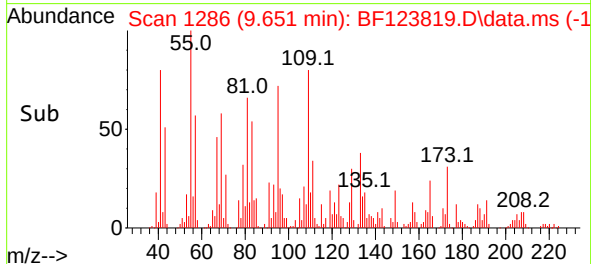
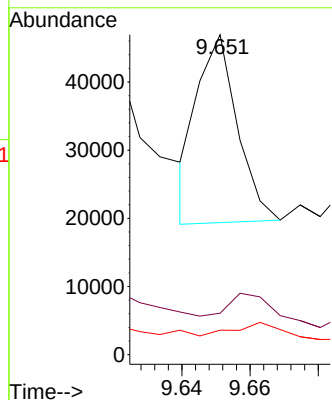
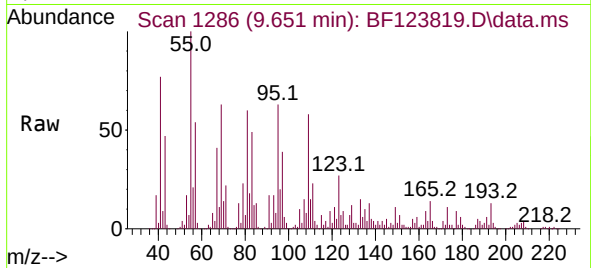




#51
2,6-Dinitrotoluene
Concen: 3.83 ng
RT: 9.651 min Scan# 1286
Delta R.T. 0.012 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

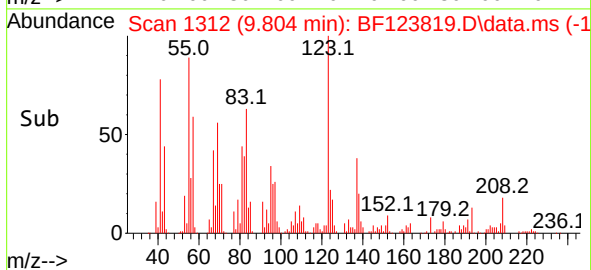
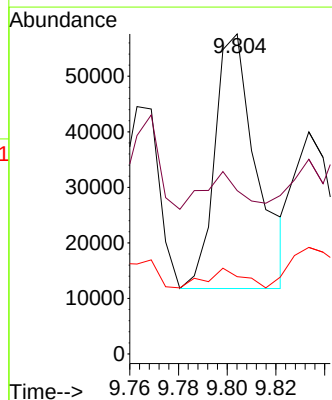
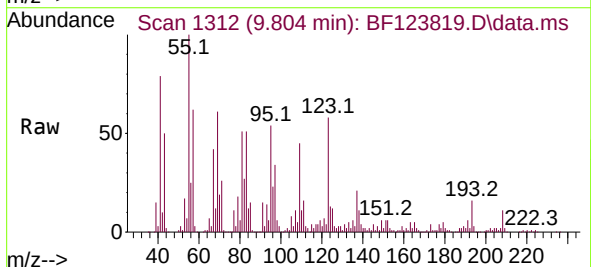
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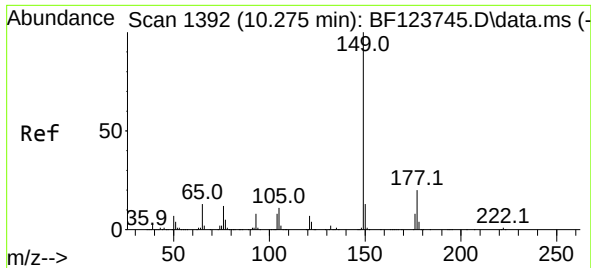
Tgt Ion:165 Resp: 22480
Ion Ratio Lower Upper
165 100
63 12.9 67.7 101.5#
89 7.6 58.8 88.2#



#53
3-Nitroaniline
Concen: 7.75 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:138 Resp: 54404
Ion Ratio Lower Upper
138 100
108 51.0 10.2 15.4#
92 24.2 103.3 154.9#

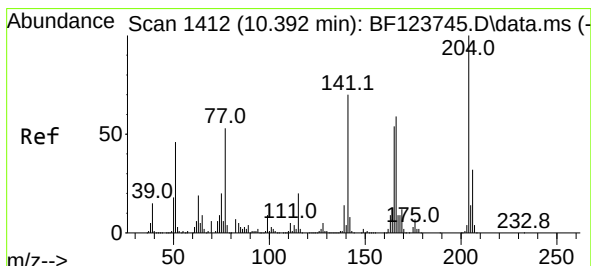
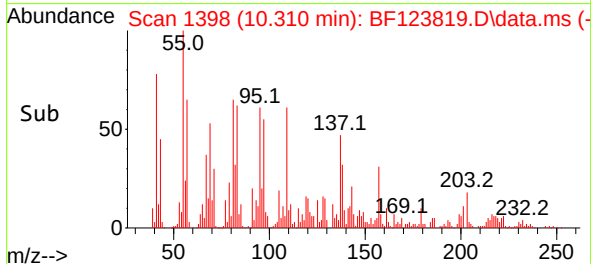
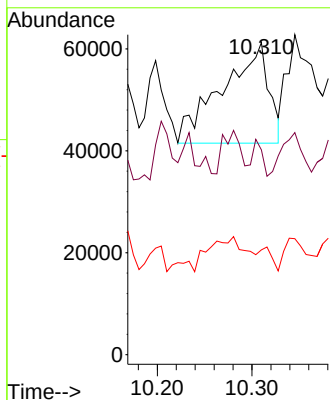
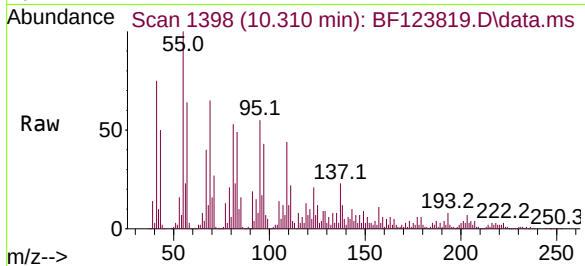




#60
Diethylphthalate
Concen: 2.47 ng
RT: 10.310 min Scan# 1398
Delta R.T. 0.035 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

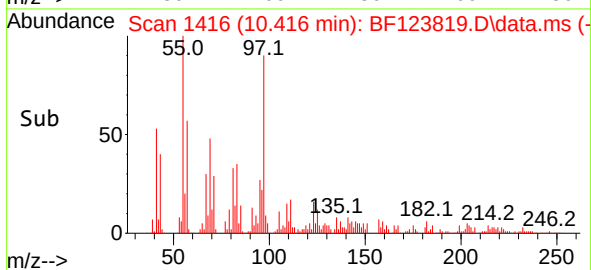
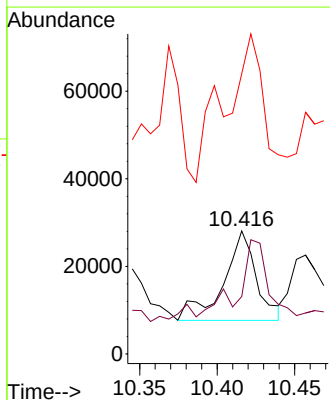
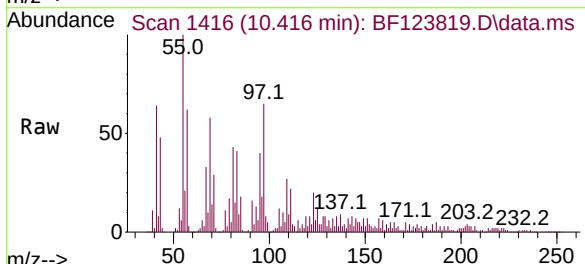
Instrument :
BNA_F
ClientSampleId :
TP-1

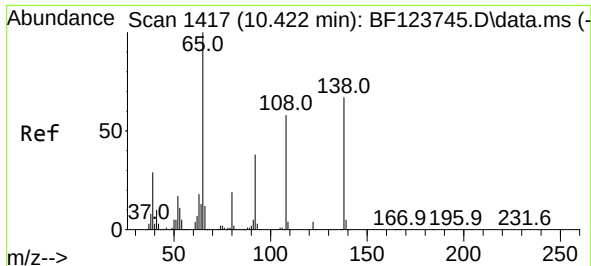
Tgt Ion:149 Resp: 66859
Ion Ratio Lower Upper
149 100
177 65.6 15.4 23.2#
150 33.5 9.9 14.9#



#61
4-Chlorophenyl-phenylether
Concen: 2.55 ng
RT: 10.416 min Scan# 1416
Delta R.T. 0.024 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:204 Resp: 30219
Ion Ratio Lower Upper
204 100
206 46.7 25.7 38.5#
141 227.7 55.5 83.3#

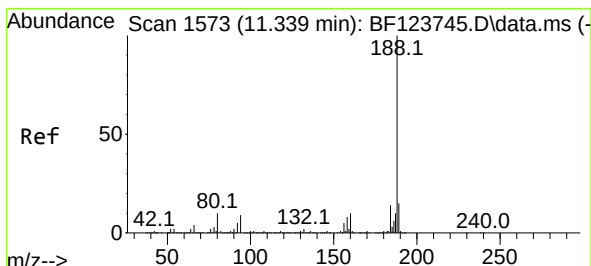
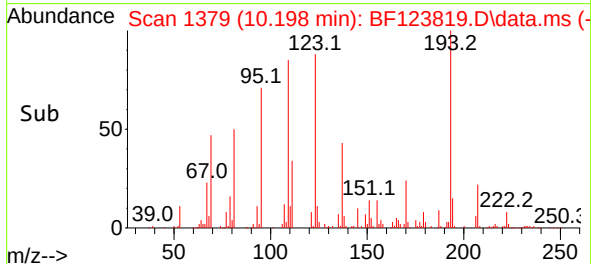
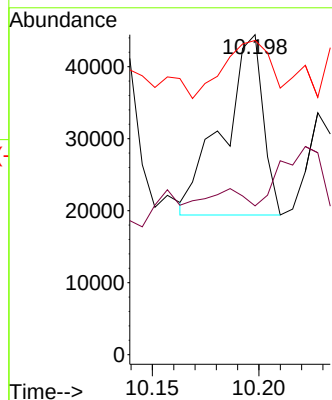
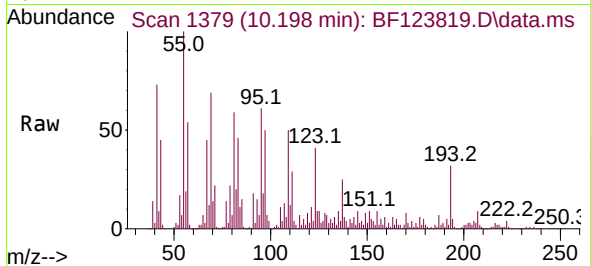




#62
4-Nitroaniline
Concen: 4.70 ng
RT: 10.198 min Scan# 1379
Delta R.T. -0.224 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

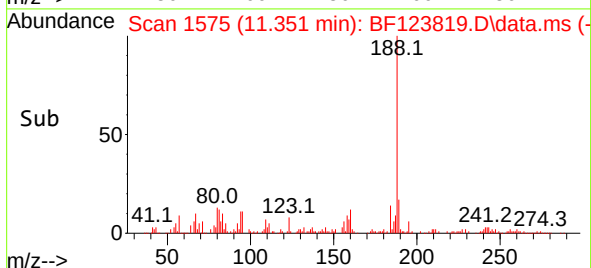
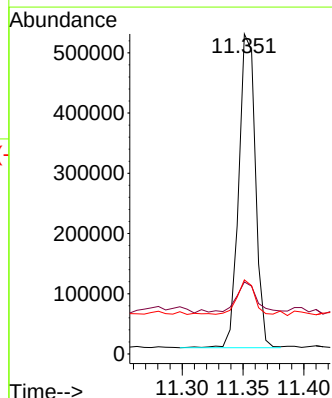
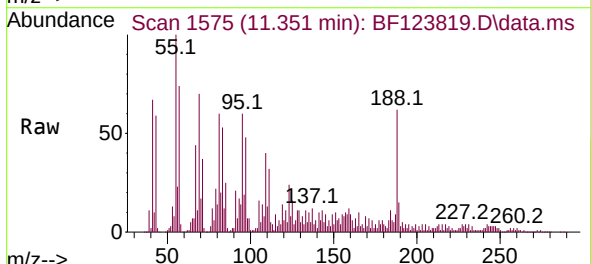
Instrument :
BNA_F
ClientSampleId :
TP-1

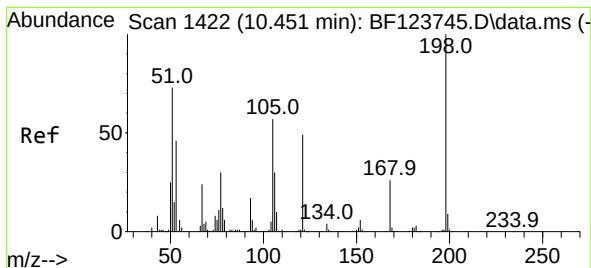
Tgt Ion:138 Resp: 32690
Ion Ratio Lower Upper
138 100
92 46.5 35.8 75.8
108 98.2 63.6 103.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.012 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:188 Resp: 497997
Ion Ratio Lower Upper
188 100
94 22.5 6.9 10.3#
80 23.2 8.2 12.2#

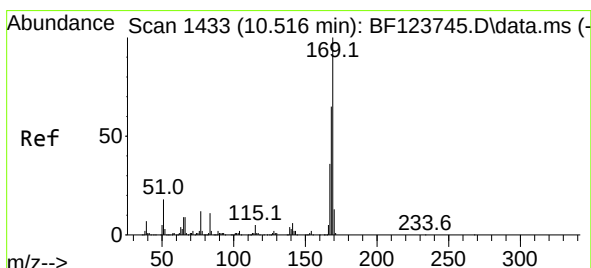
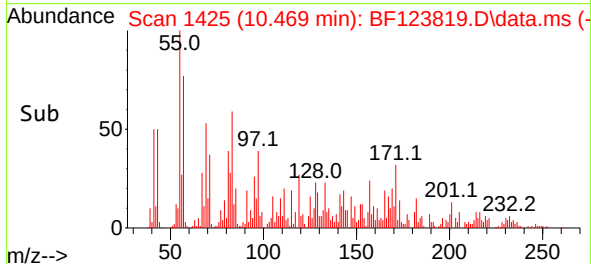
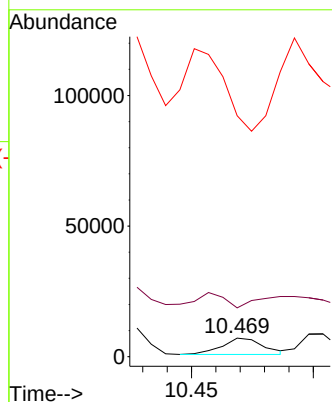
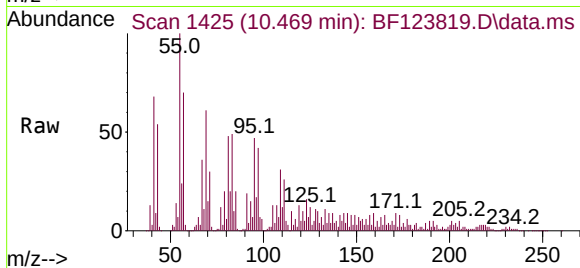




#65
4,6-Dinitro-2-methylphenol
Concen: 2.37 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.018 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

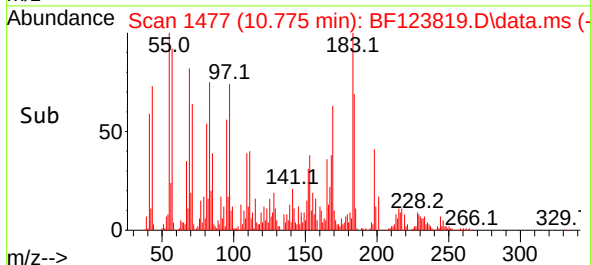
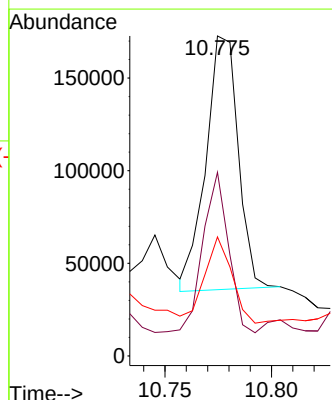
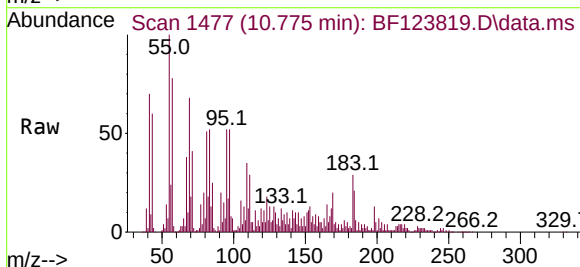
Instrument :
BNA_F
ClientSampled :
TP-1

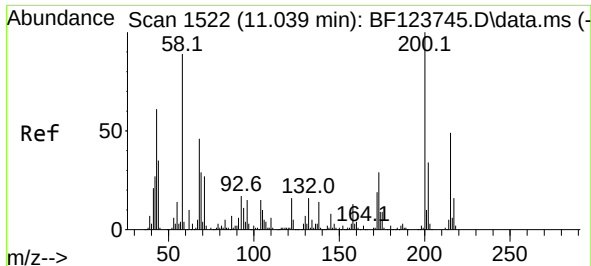
Tgt Ion:198 Resp: 7320
Ion Ratio Lower Upper
198 100
51 263.7 64.8 104.8#
105 1303.5 42.6 82.6#



#66
n-Nitrosodiphenylamine
Concen: 8.88 ng
RT: 10.775 min Scan# 1477
Delta R.T. 0.259 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:169 Resp: 144641
Ion Ratio Lower Upper
169 100
168 57.4 53.3 79.9
167 37.2 29.9 44.9

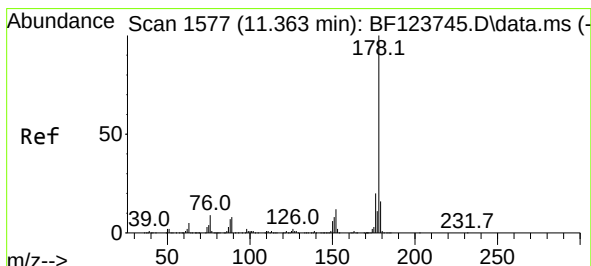
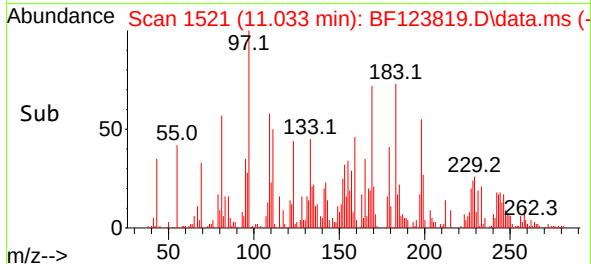
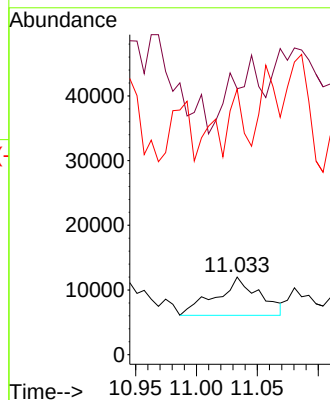
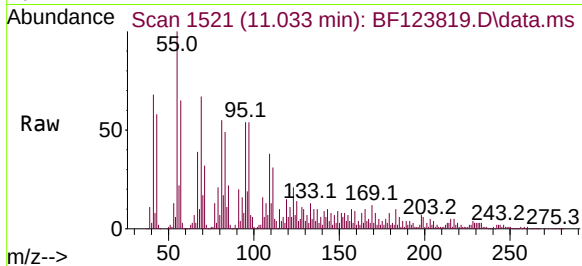




#69
Atrazine
Concen: 2.97 ng
RT: 11.033 min Scan# 1521
Delta R.T. -0.006 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

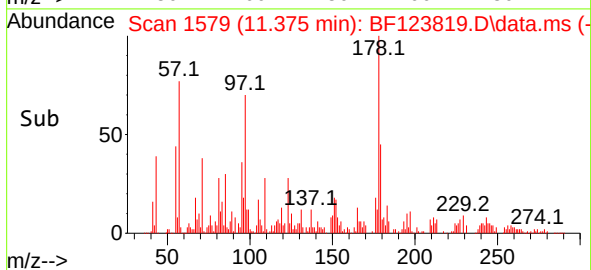
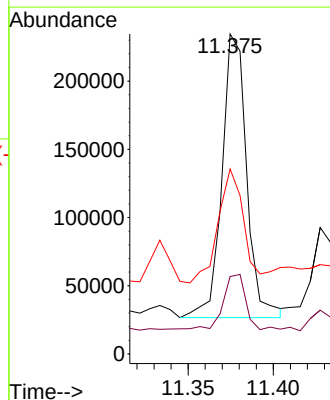
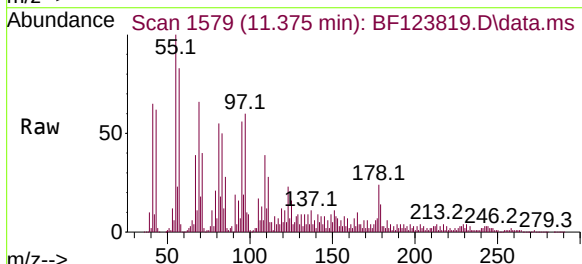
Instrument :
BNA_F
ClientSampleId :
TP-1

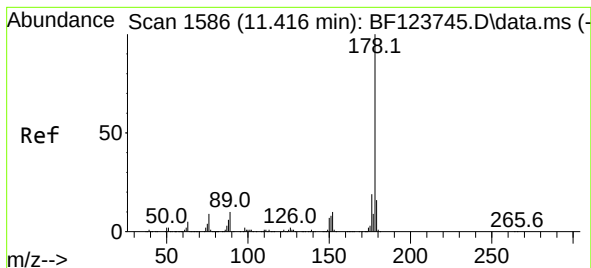
Tgt Ion:200 Resp: 14644
Ion Ratio Lower Upper
200 100
173 342.5 6.9 46.9#
215 341.7 26.5 66.5#



#71
Phenanthrene
Concen: 8.04 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.012 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:178 Resp: 209899
Ion Ratio Lower Upper
178 100
176 24.2 15.6 23.4#
179 57.8 12.5 18.7#





#72

Anthracene

Concen: 2.13 ng

RT: 11.428 min Scan# 1588

Delta R.T. 0.012 min

Lab File: BF123819.D

Acq: 4 May 2021 20:56

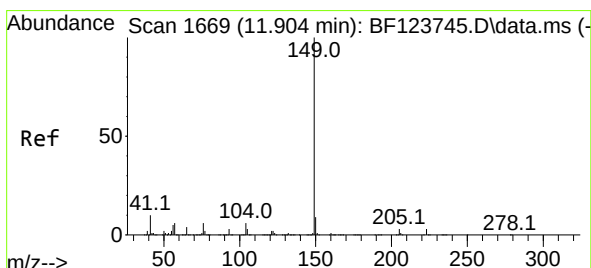
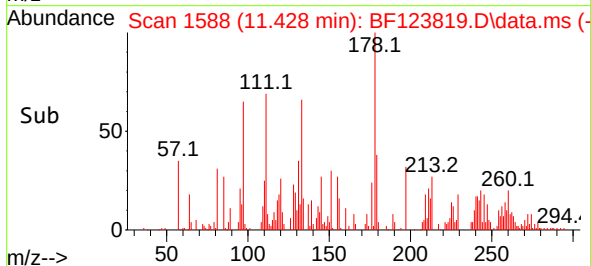
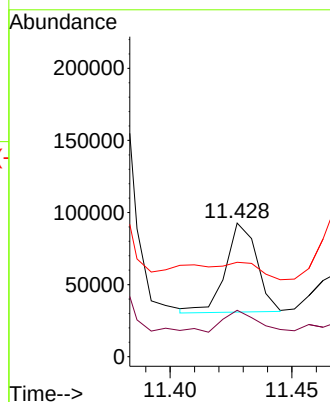
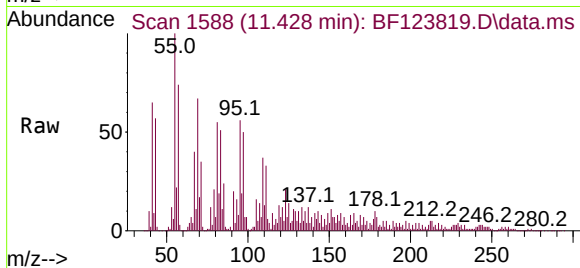
Tgt Ion:178 Resp: 55212

Ion Ratio Lower Upper

178 100

176 34.7 15.4 23.0#

179 70.7 12.6 18.8#



#74

Di-n-butylphthalate

Concen: 3.88 ng

RT: 11.910 min Scan# 1670

Delta R.T. 0.006 min

Lab File: BF123819.D

Acq: 4 May 2021 20:56

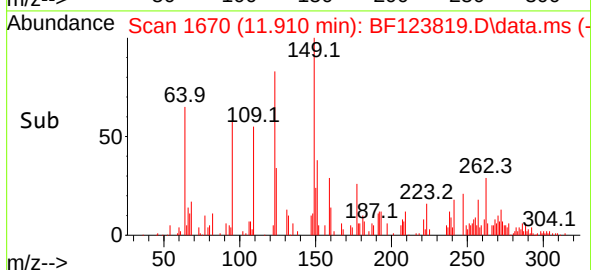
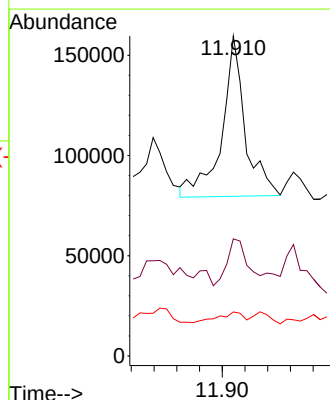
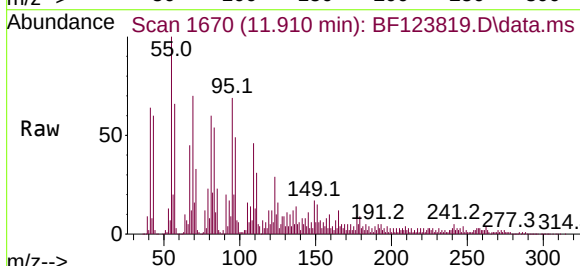
Tgt Ion:149 Resp: 114339

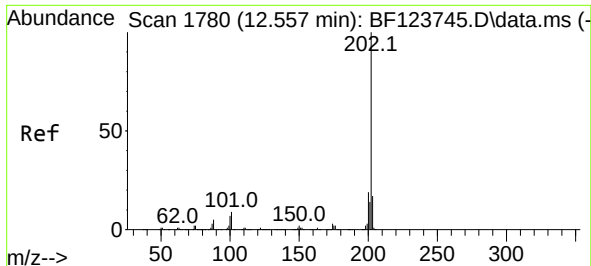
Ion Ratio Lower Upper

149 100

150 36.6 7.8 11.8#

104 13.7 4.6 6.8#

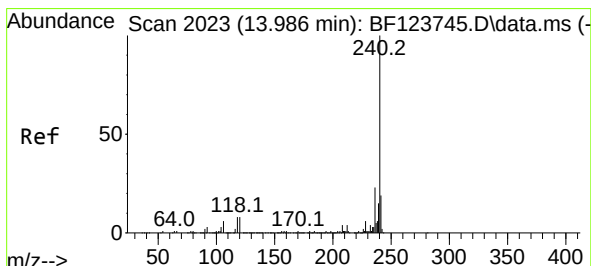
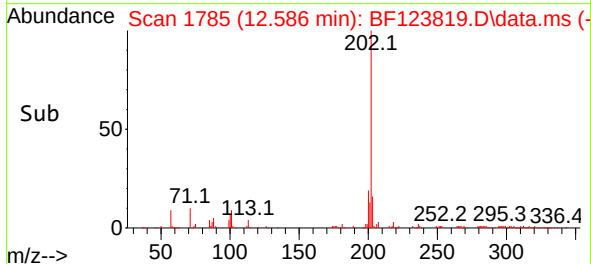
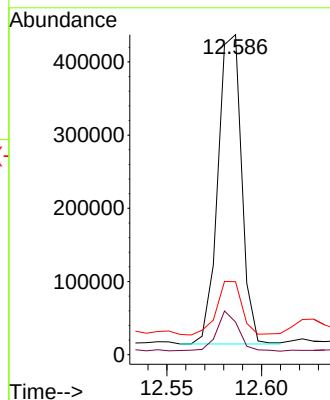
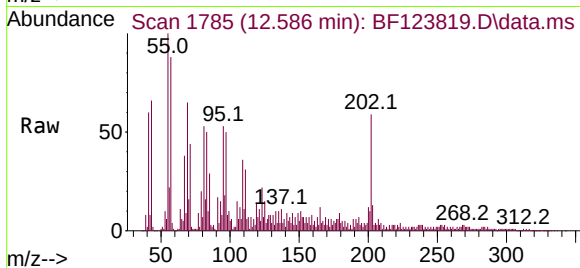




#75
Fluoranthene
Concen: 12.89 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.029 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

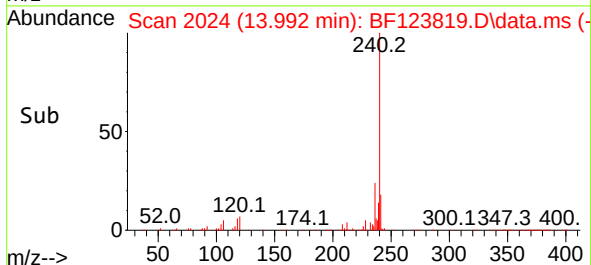
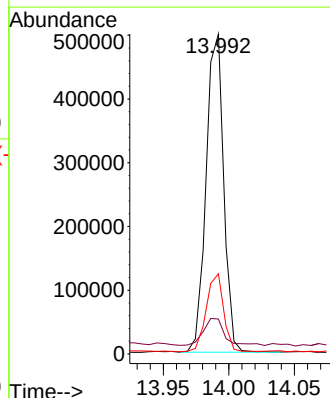
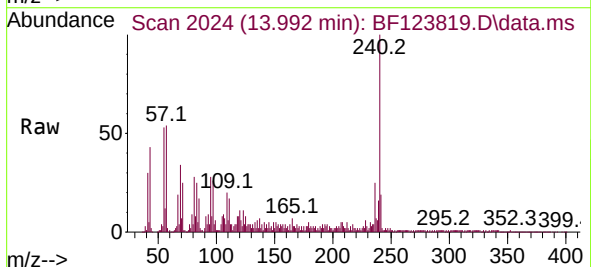
Instrument :
BNA_F
ClientSampleId :
TP-1

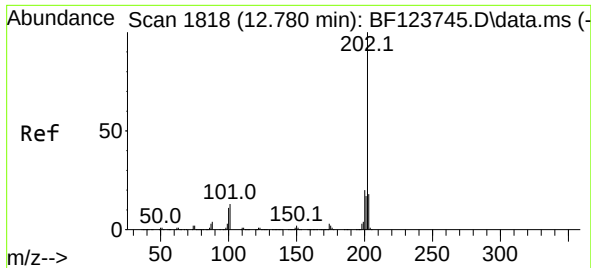
Tgt Ion:202 Resp: 367339
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.9
203 22.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:240 Resp: 467119
Ion Ratio Lower Upper
240 100
120 10.9 7.2 10.8#
236 25.0 19.0 28.4

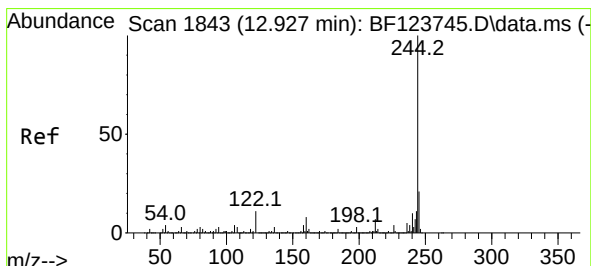
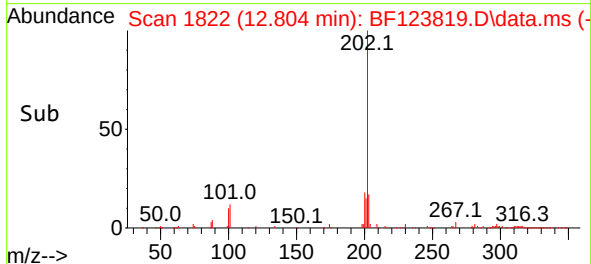
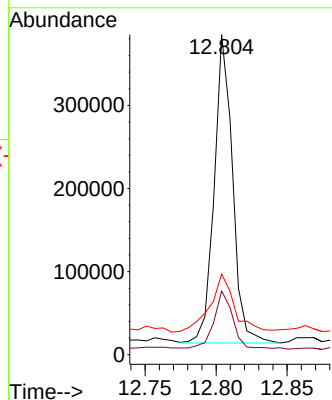
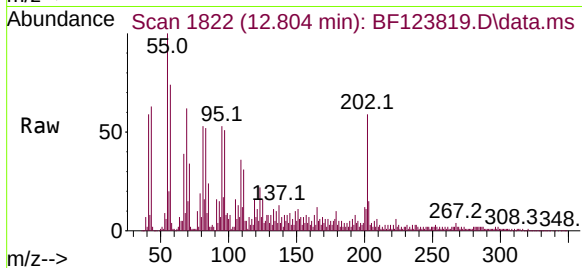




#78
Pyrene
Concen: 9.19 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.024 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

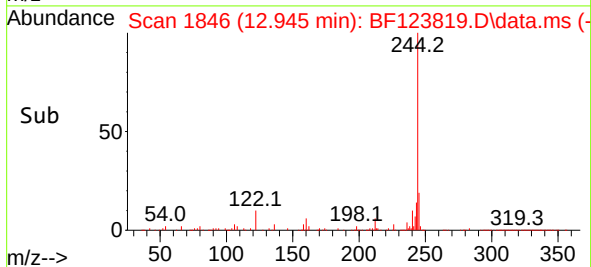
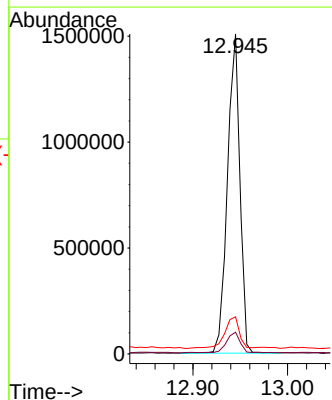
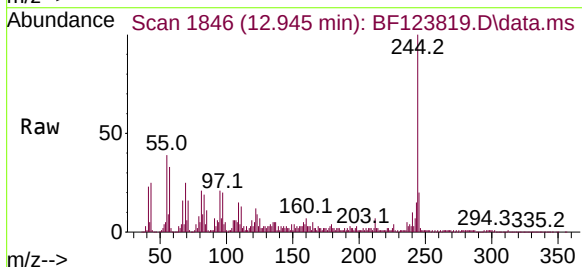
Instrument :
BNA_F
ClientSampleId :
TP-1

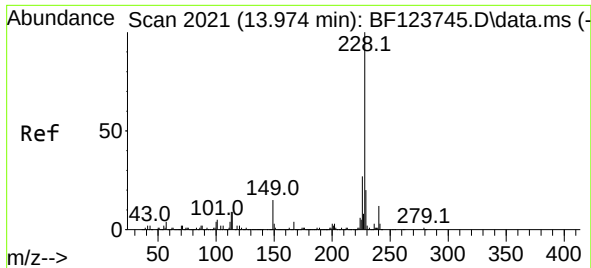
Tgt Ion:202 Resp: 333134
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 25.2 14.8 22.2#



#79
Terphenyl-d14
Concen: 56.74 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.018 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:244 Resp: 1376319
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 11.6 9.7 14.5

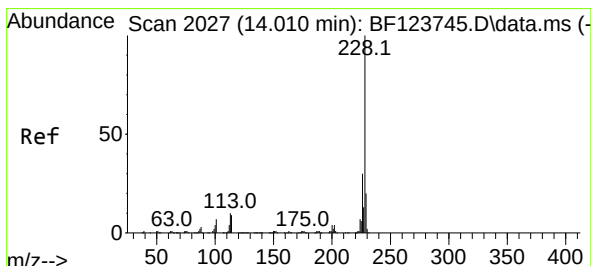
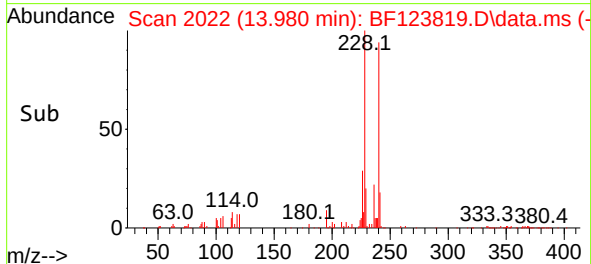
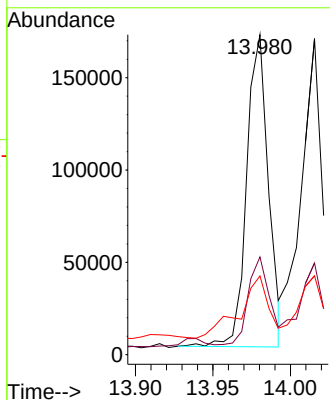
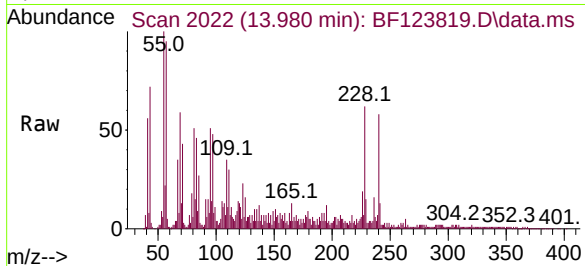




#81
Benzo(a)anthracene
Concen: 5.82 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

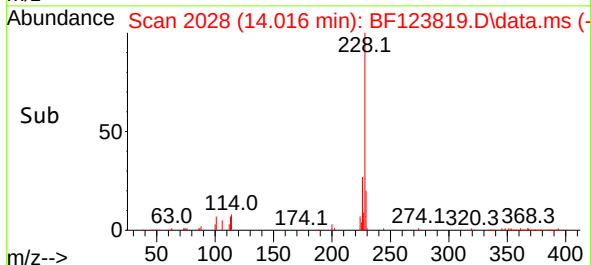
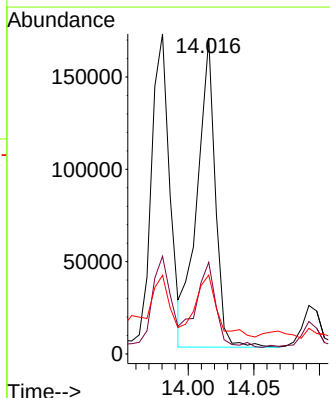
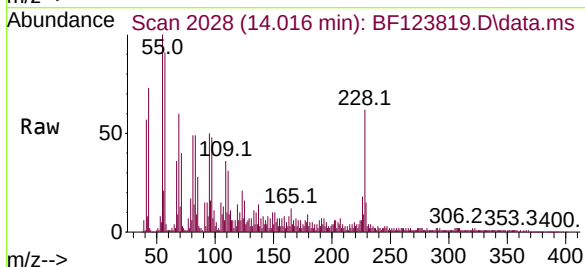
Instrument :
BNA_F
ClientSampleId :
TP-1

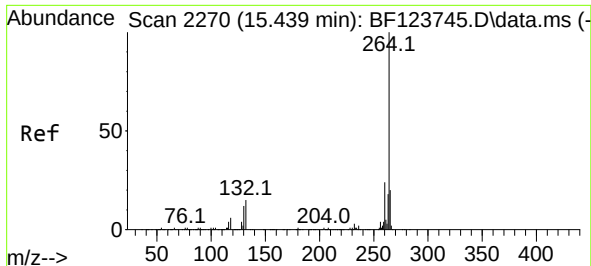
Tgt Ion:228 Resp: 164823
Ion Ratio Lower Upper
228 100
226 30.5 22.4 33.6
229 24.6 16.0 24.0#



#83
Chrysene
Concen: 5.70 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:228 Resp: 162255
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 25.0 16.2 24.2#



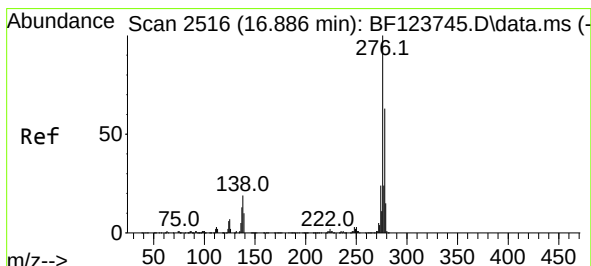
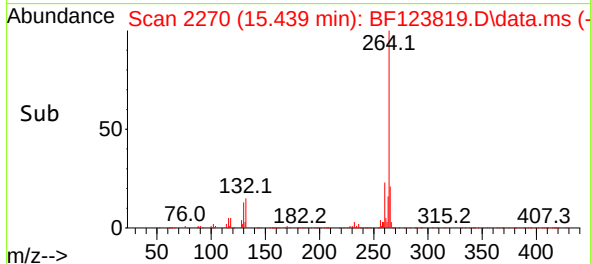
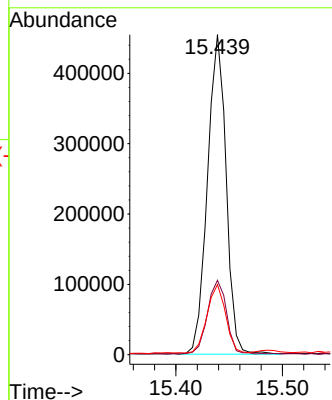
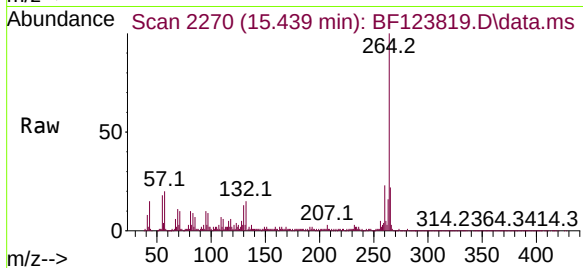


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:264 Resp: 554353

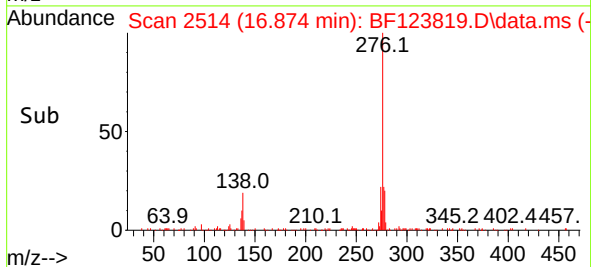
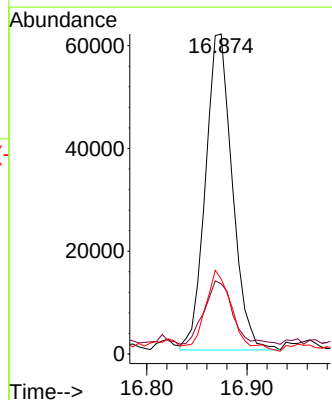
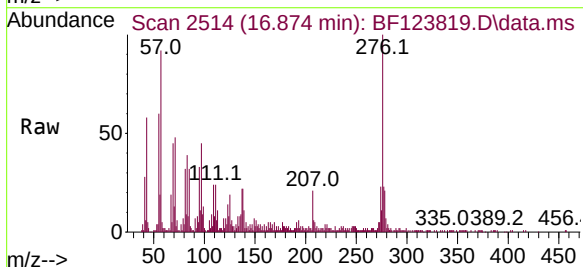
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.9	17.8	26.8

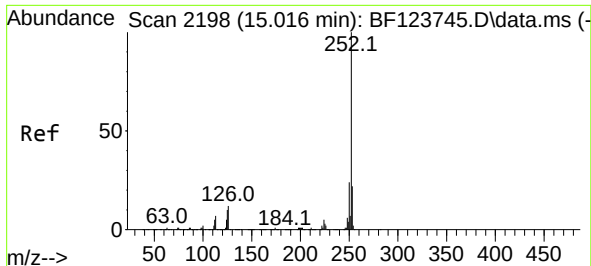


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.55 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:276 Resp: 114746

Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.2	24.2
277	25.8	20.1	30.1

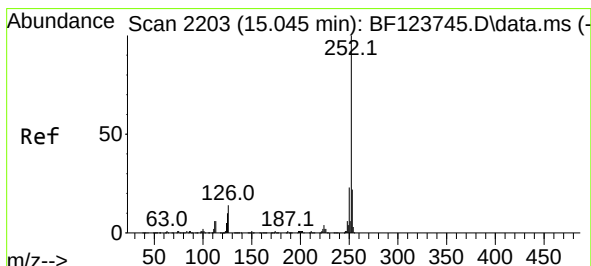
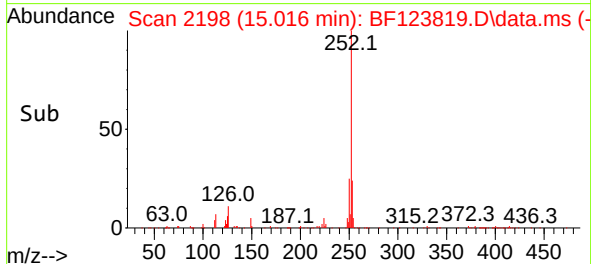
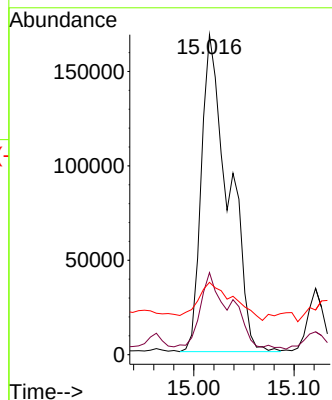
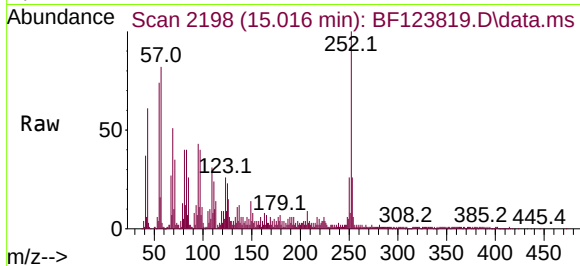




#88
Benzo(b)fluoranthene
Concen: 8.49 ng
RT: 15.016 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

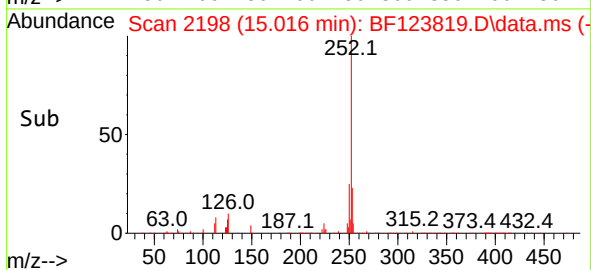
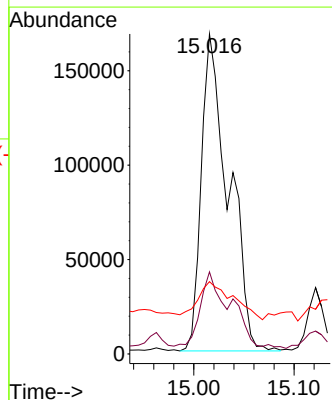
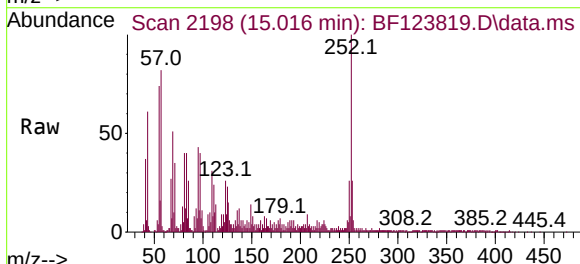
Instrument :
BNA_F
ClientSampleId :
TP-1

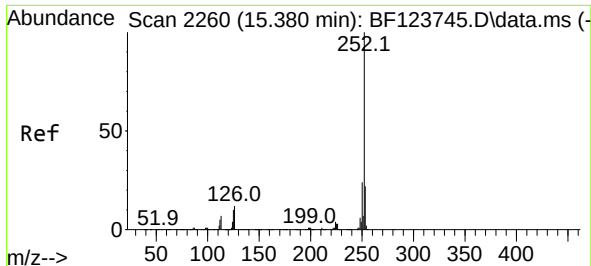
Tgt Ion:252 Resp: 317129
Ion Ratio Lower Upper
252 100
253 25.7 18.1 27.1
125 22.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 8.89 ng
RT: 15.016 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:252 Resp: 317129
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 22.6 7.0 10.6#

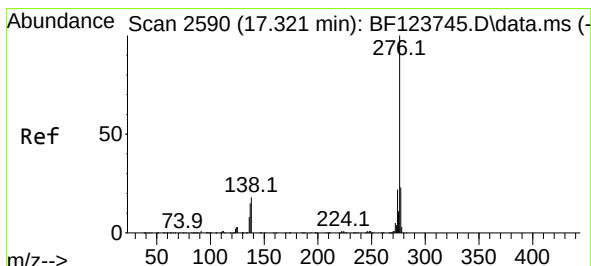
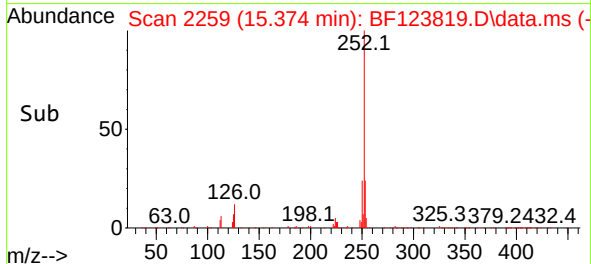
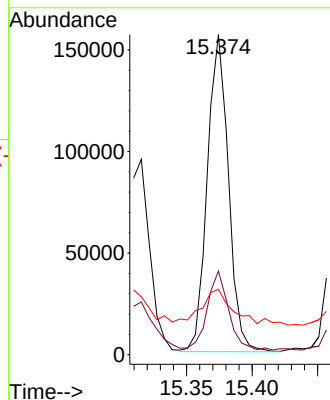
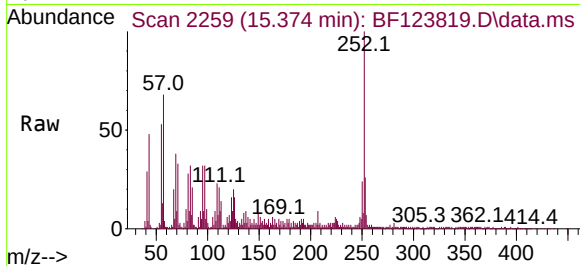




#90
Benzo(a)pyrene
Concen: 5.49 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 175300
Ion Ratio Lower Upper
252 100
253 26.1 18.4 27.6
125 20.4 8.0 12.0#



#92
Benzo(g,h,i)perylene
Concen: 3.95 ng
RT: 17.304 min Scan# 2587
Delta R.T. -0.018 min
Lab File: BF123819.D
Acq: 4 May 2021 20:56

Tgt Ion:276 Resp: 107750
Ion Ratio Lower Upper
276 100
277 24.0 18.2 27.2
138 22.9 13.8 20.6#

