

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021021\
 Data File : BF123177.D
 Acq On : 10 Feb 2021 18:56
 Operator : JU/CG
 Sample : M1345-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-020921

Quant Time: Feb 11 01:36:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 01:29:27 2021
 Response via : Initial Calibration

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

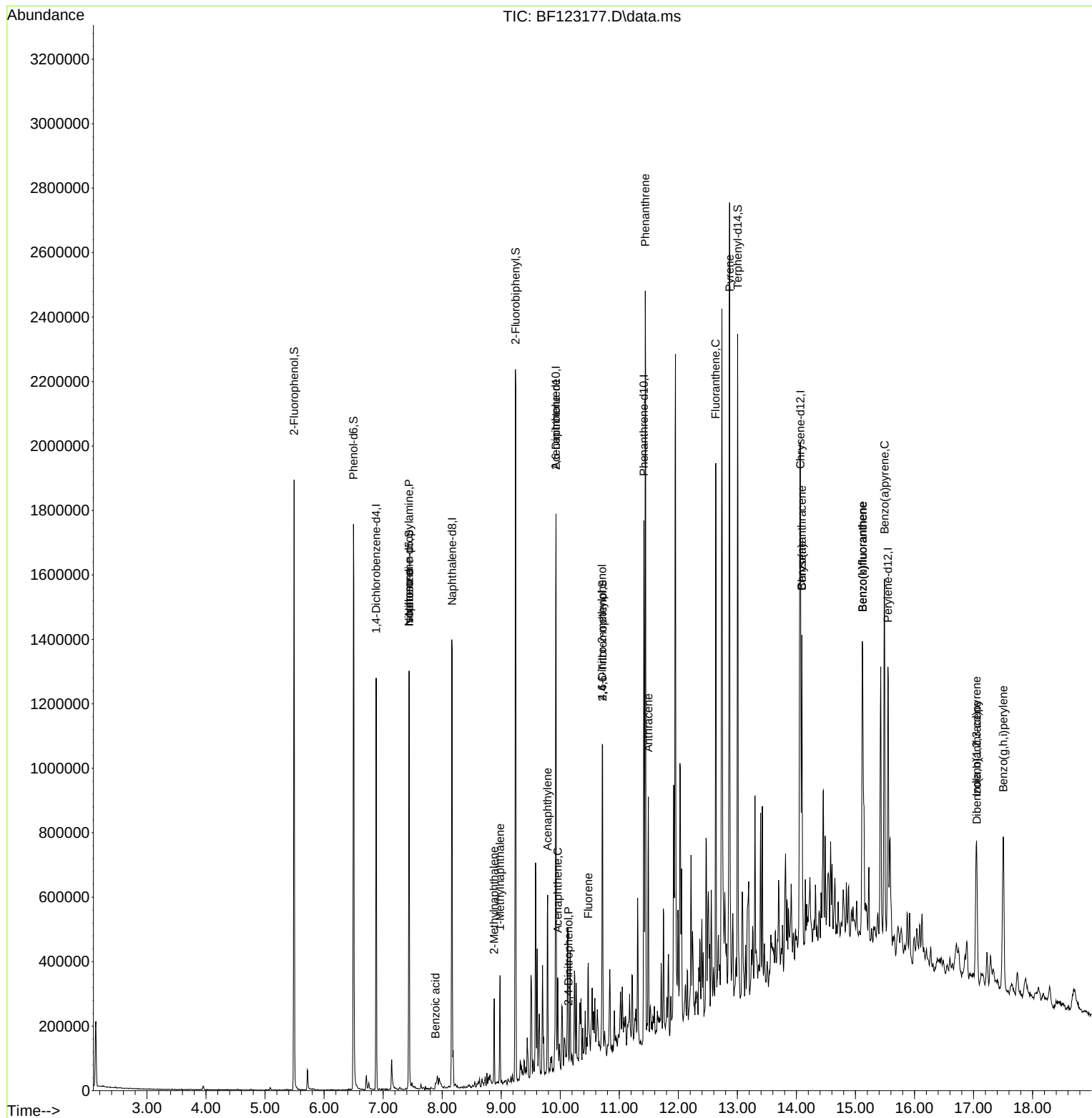
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.880	152	170186	20.00	ng	-0.01
21) Naphthalene-d8	8.169	136	647866	20.00	ng	-0.01
39) Acenaphthene-d10	9.927	164	339573	20.00	ng	-0.01
64) Phenanthrene-d10	11.416	188	572627	20.00	ng	-0.02
76) Chrysene-d12	14.068	240	384403	20.00	ng	-0.02
86) Perylene-d12	15.551	264	392953	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	486944	44.14	ng	-0.01
7) Phenol-d6	6.498	99	614251	41.07	ng	-0.02
23) Nitrobenzene-d5	7.439	82	379935	29.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	108330	29.39	ng	-0.02
45) 2-Fluorobiphenyl	9.245	172	710967	31.12	ng	-0.02
79) Terphenyl-d14	13.004	244	592764	30.30	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	51514	5.73	ng	Qvalue
25) Isophorone	7.439	82	376367	15.96	ng	# 76
32) Benzoic acid	7.886	122	11247	6.18	ng	# 65
37) 2-Methylnaphthalene	8.880	142	65781	2.79	ng	# 87
38) 1-Methylnaphthalene	8.980	142	80614	3.61	ng	98
49) Acenaphthylene	9.786	152	179761	5.27	ng	98
51) 2,6-Dinitrotoluene	9.927	165	49423	8.71	ng	# 32
52) Acenaphthene	9.957	154	52411	2.39	ng	97
54) 2,4-Dinitrophenol	10.139	184	137	6.89	ng	# 1
58) Fluorene	10.474	166	75608	2.97	ng	99
65) 4,6-Dinitro-2-methylph...	10.710	198	310	5.06	ng	# 1
71) Phenanthrene	11.439	178	874732	24.60	ng	99
72) Anthracene	11.492	178	276290	8.10	ng	98
75) Fluoranthene	12.633	202	611472	17.20	ng	99
78) Pyrene	12.868	202	1008012	34.74	ng	98
81) Benzo(a)anthracene	14.092	228	358896	13.80	ng	97
83) Chrysene	14.092	228	358896	13.78	ng	97
87) Indeno(1,2,3-cd)pyrene	17.050	276	303119	11.58	ng	95
88) Benzo(b)fluoranthene	15.121	252	667046	23.52	ng	99
89) Benzo(k)fluoranthene	15.121	252	667046	25.31	ng	100
90) Benzo(a)pyrene	15.492	252	553791	22.23	ng	98
91) Dibenzo(a,h)anthracene	17.056	278	91224	4.24	ng	# 90
92) Benzo(g,h,i)perylene	17.503	276	394077	18.88	ng	98

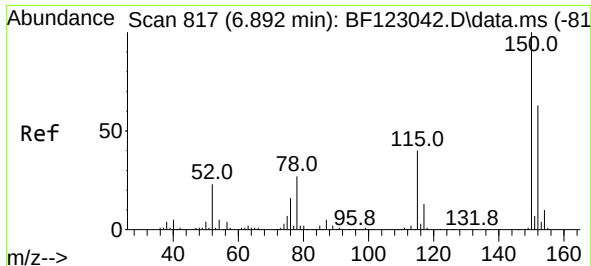
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021021\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 01:29:27 2021
Response via : Initial Calibration

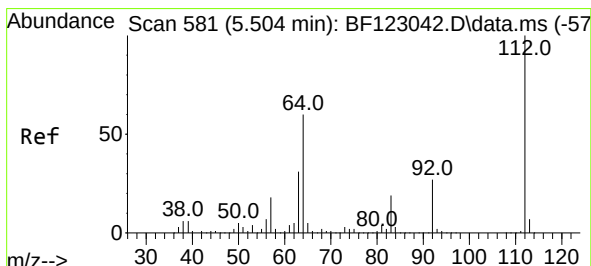
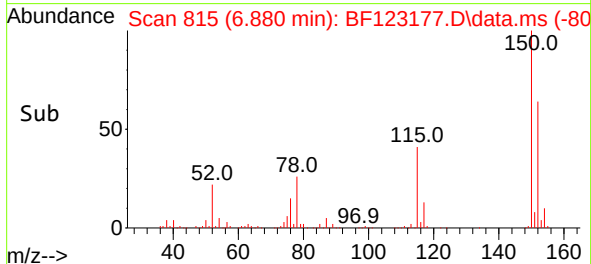
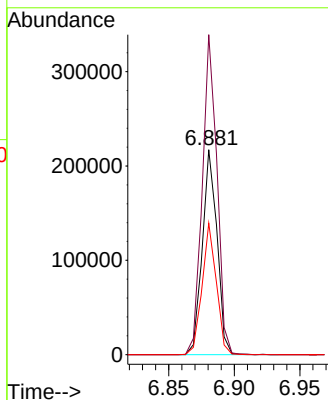
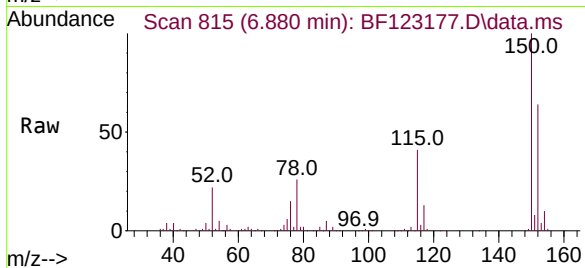




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.880 min Scan# 815
 Delta R.T. -0.012 min
 Lab File: BF123177.D
 Acq: 10 Feb 2021 18:56

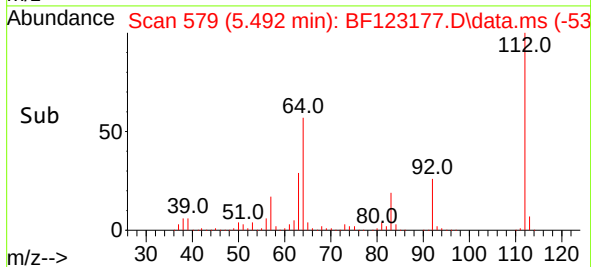
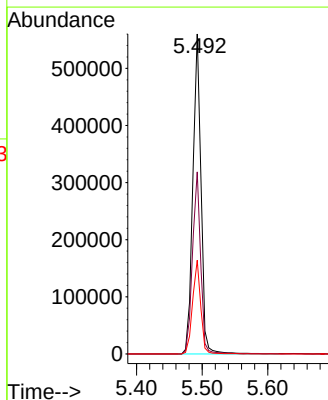
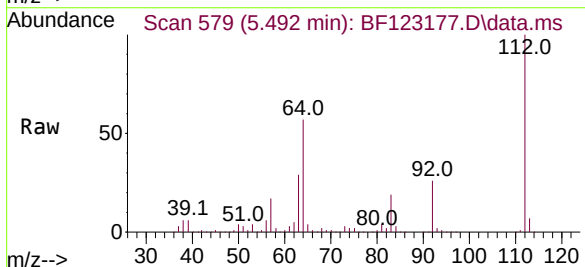
Instrument :
 BNA_F
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 NB-07-020921

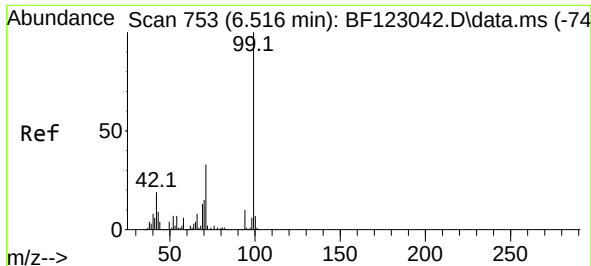
Tgt Ion:152 Resp: 170186
 Ion Ratio Lower Upper
 152 100
 150 156.2 125.8 188.6
 115 64.2 49.3 73.9



#5
 2-Fluorophenol
 Concen: 44.14 ng
 RT: 5.492 min Scan# 579
 Delta R.T. -0.012 min
 Lab File: BF123177.D
 Acq: 10 Feb 2021 18:56

Tgt Ion:112 Resp: 486944
 Ion Ratio Lower Upper
 112 100
 64 56.9 46.9 70.3
 63 29.3 24.5 36.7

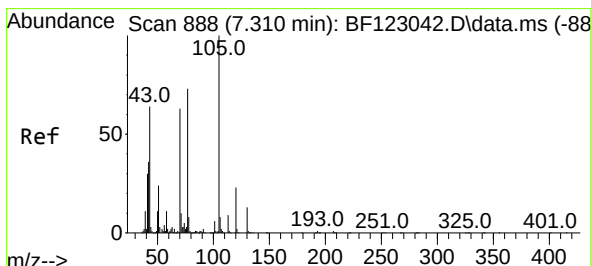
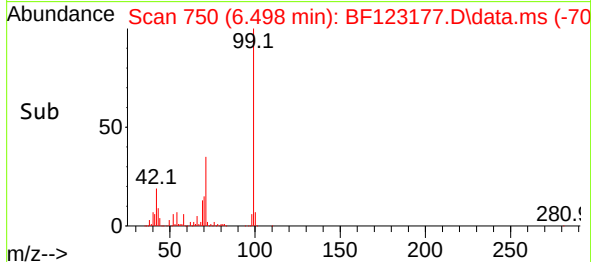
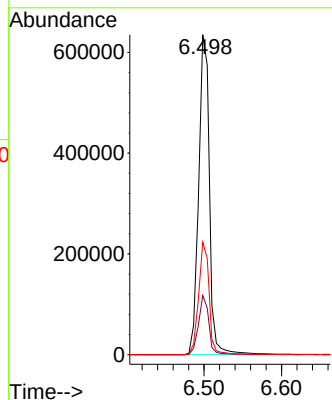
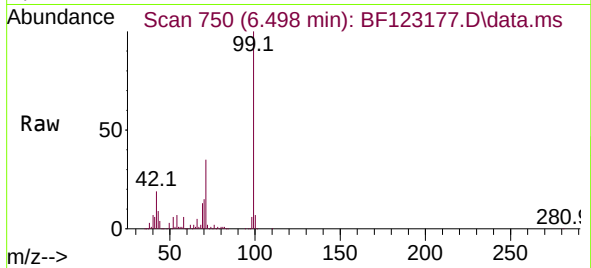




#7
Phenol-d6
Concen: 41.07 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

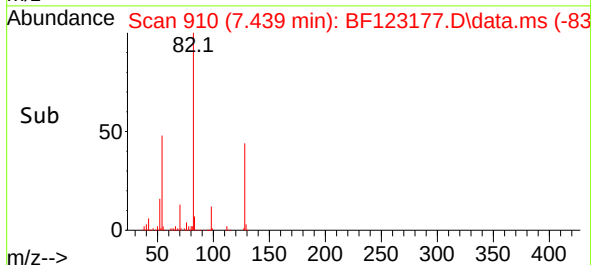
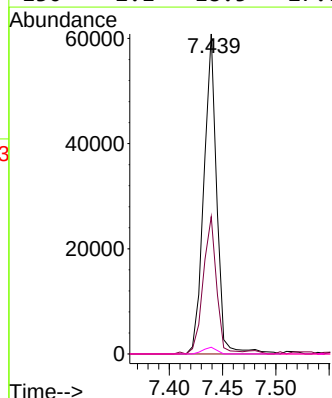
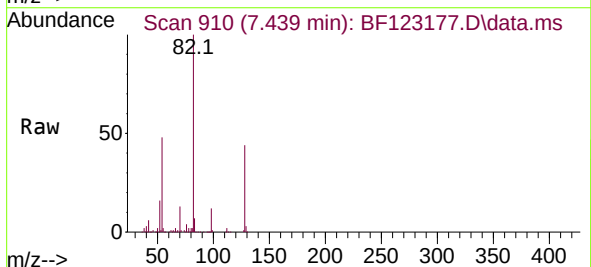
Instrument :
BNA_F
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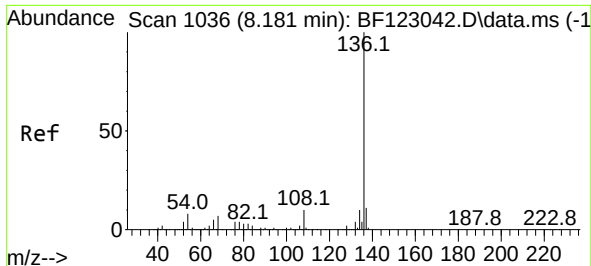
Tgt Ion: 99 Resp: 614251
Ion Ratio Lower Upper
99 100
42 18.5 13.8 20.6
71 35.2 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.73 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.129 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

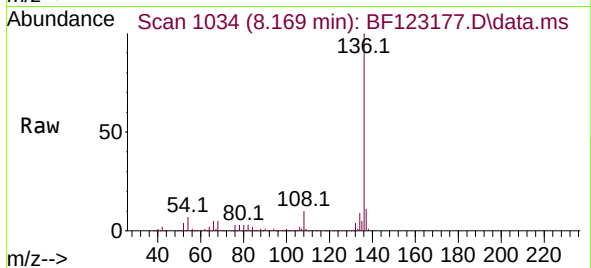
Tgt Ion: 70 Resp: 51514
Ion Ratio Lower Upper
70 100
42 42.9 43.0 64.4#
101 0.0 7.9 11.9#
130 2.1 18.5 27.7#



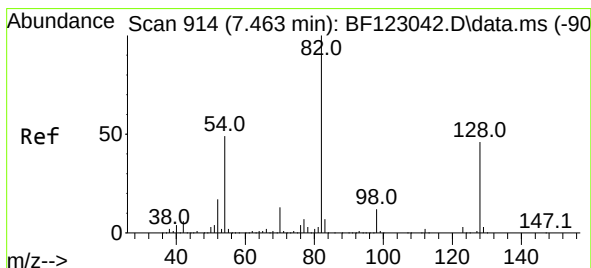
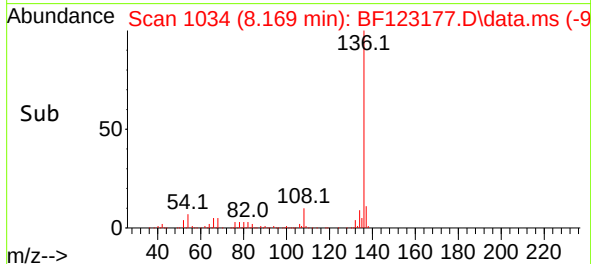
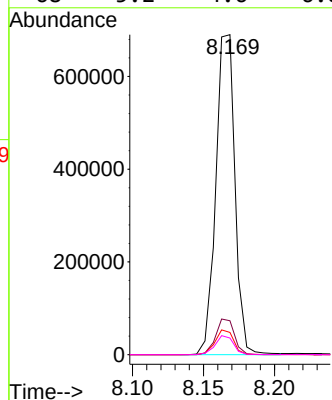


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Instrument :
BNA_F
ClientSampleId :
NB-07-020921

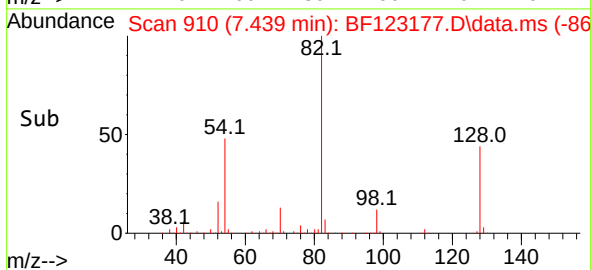
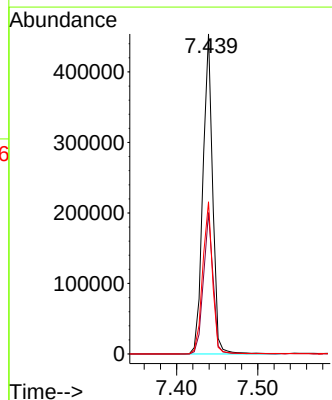
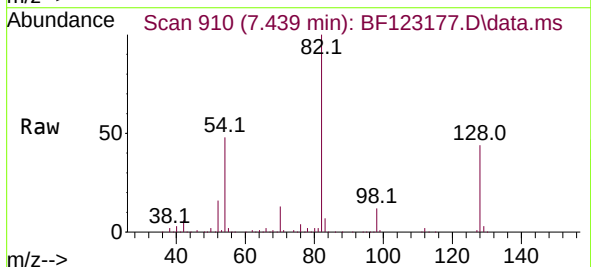


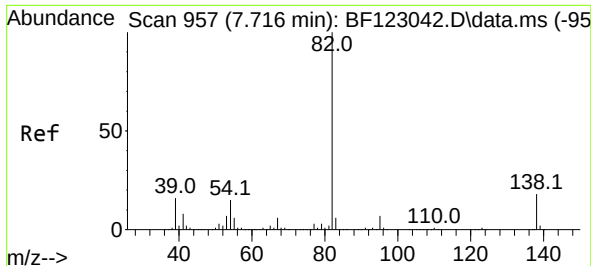
Tgt	Ion:136	Resp:	647866
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.0	5.5	8.3
68	5.2	4.6	6.8



#23
Nitrobenzene-d5
Concen: 29.51 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.024 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion: 82	Resp: 379935
Ion Ratio	Lower Upper
82 100	
128 44.2	37.0 55.4
54 47.5	38.4 57.6

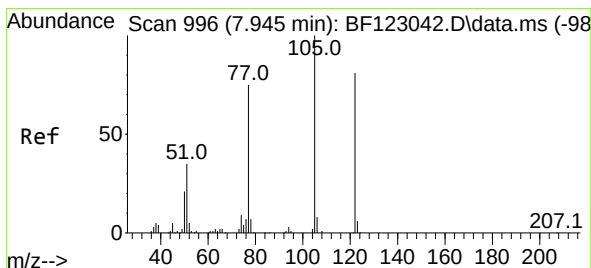
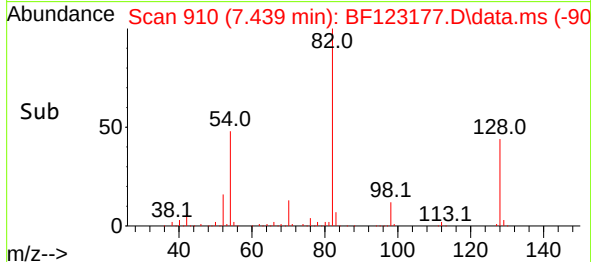
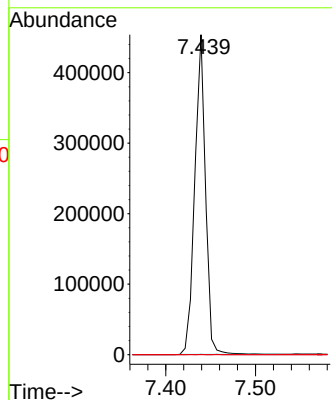
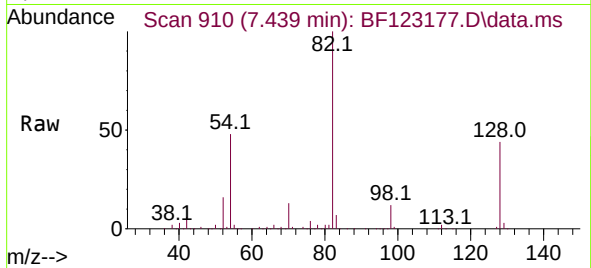




#25
Isophorone
Concen: 15.96 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.277 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

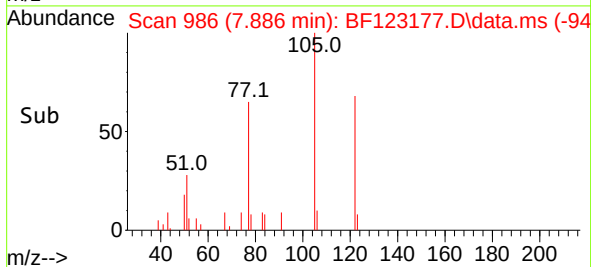
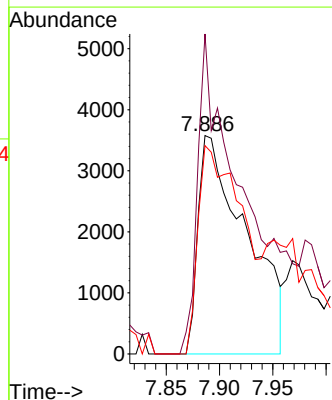
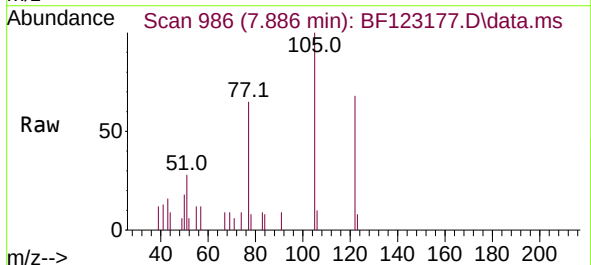
Instrument :
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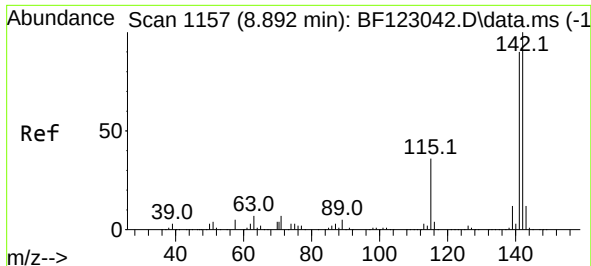
Tgt Ion: 82 Resp: 376367
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 6.18 ng
RT: 7.886 min Scan# 986
Delta R.T. -0.059 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion: 122 Resp: 11247
Ion Ratio Lower Upper
122 100
105 146.5 104.8 144.8#
77 95.4 71.0 111.0

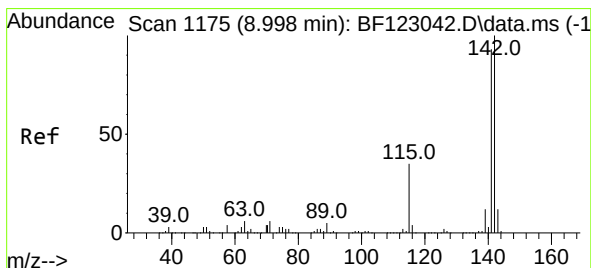
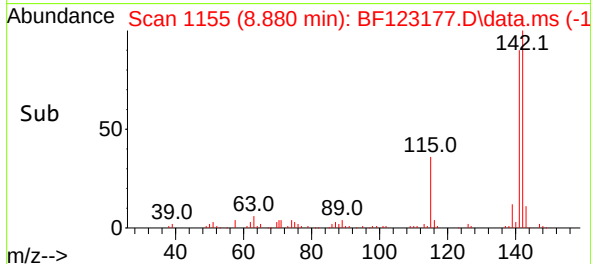
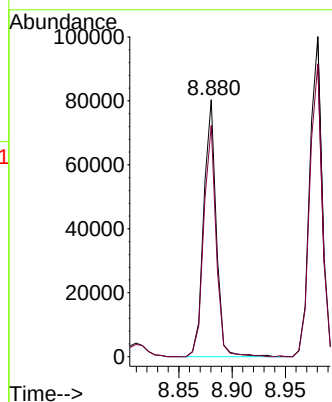
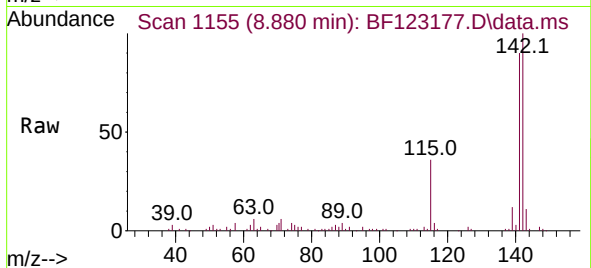




#37
2-Methylnaphthalene
Concen: 2.79 ng
RT: 8.880 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

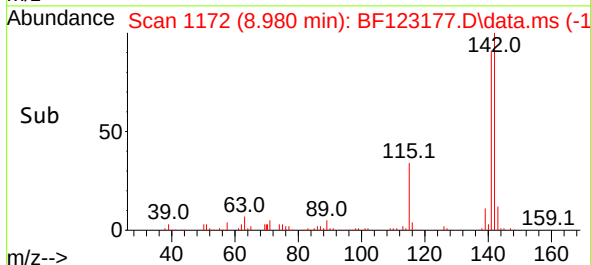
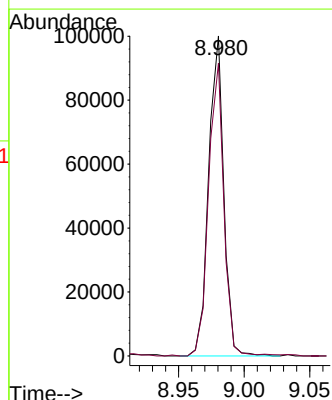
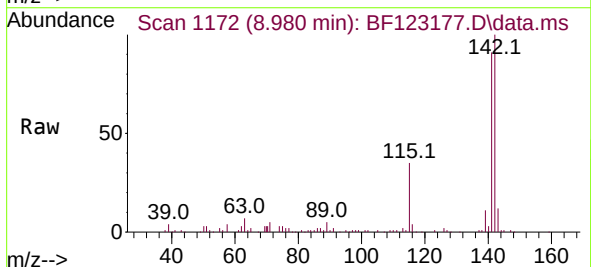
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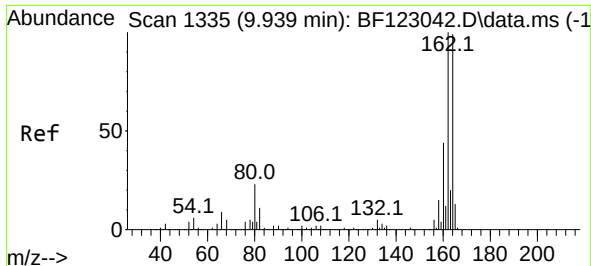
Tgt Ion:142 Resp: 65781
Ion Ratio Lower Upper
142 100
141 90.0 70.6 106.0



#38
1-Methylnaphthalene
Concen: 3.61 ng
RT: 8.980 min Scan# 1172
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:142 Resp: 80614
Ion Ratio Lower Upper
142 100
141 91.5 74.5 111.7

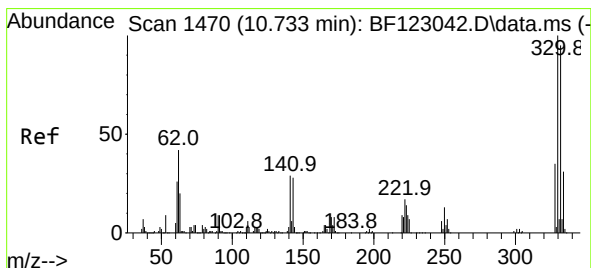
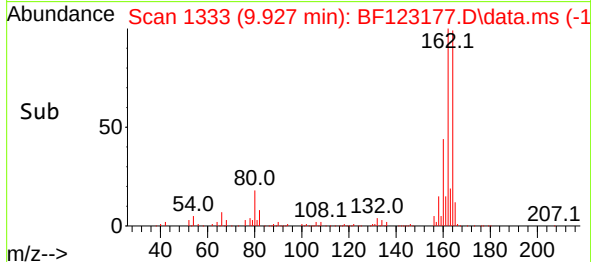
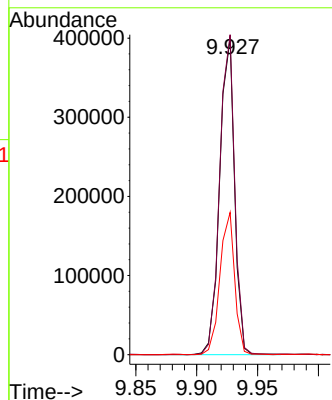
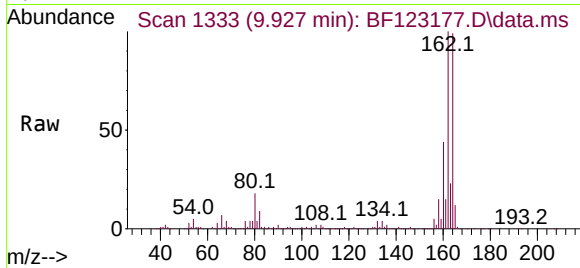




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

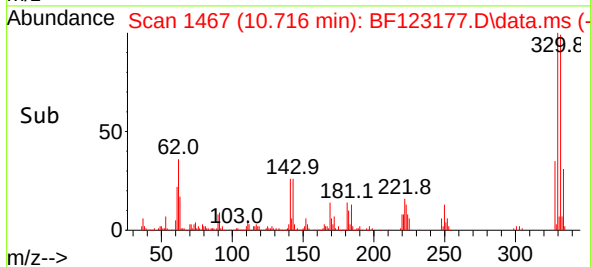
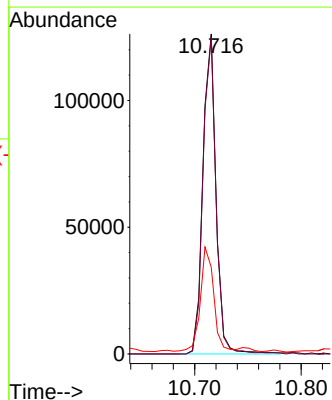
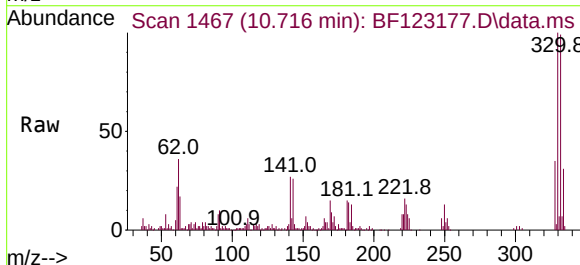
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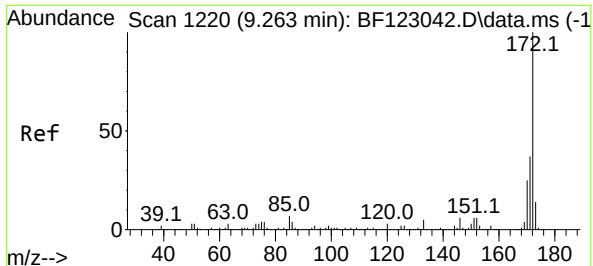
Tgt Ion:164 Resp: 339573
Ion Ratio Lower Upper
164 100
162 101.2 80.8 121.2
160 44.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 29.39 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:330 Resp: 108330
Ion Ratio Lower Upper
330 100
332 97.9 77.5 116.3
141 32.9 23.8 35.8

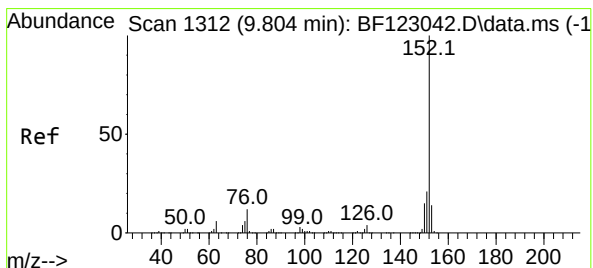
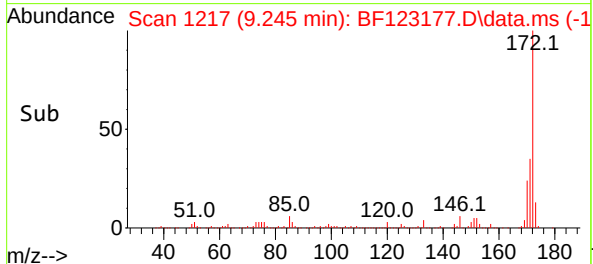
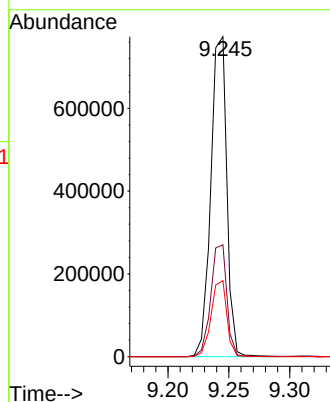
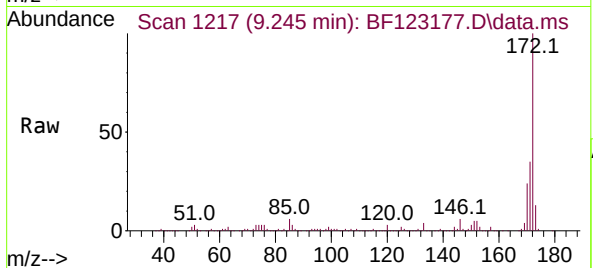




#45
2-Fluorobiphenyl
Concen: 31.12 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

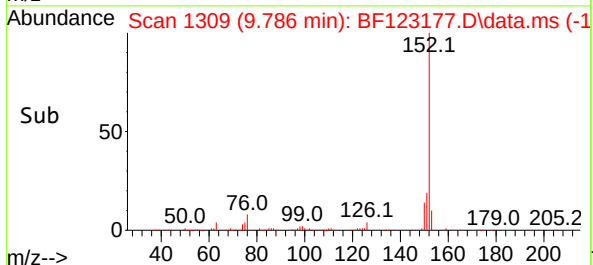
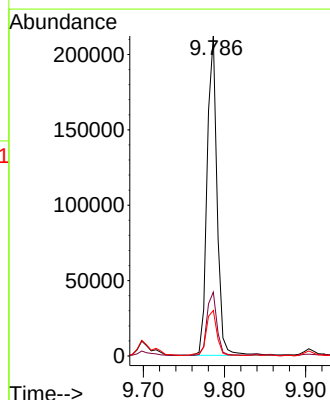
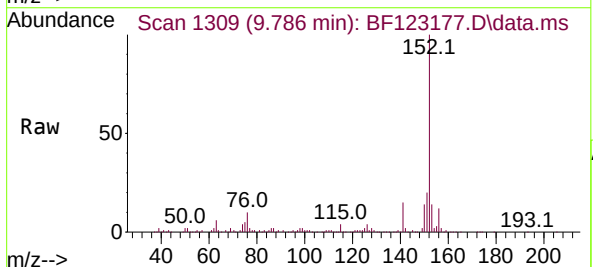
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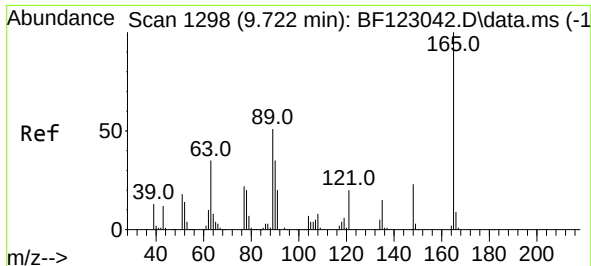
Tgt Ion:172 Resp: 710967
Ion Ratio Lower Upper
172 100
171 34.9 29.6 44.4
170 23.7 19.5 29.3



#49
Acenaphthylene
Concen: 5.27 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:152 Resp: 179761
Ion Ratio Lower Upper
152 100
151 20.0 16.6 25.0
153 14.2 10.9 16.3

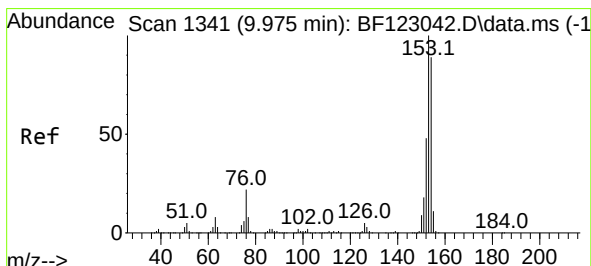
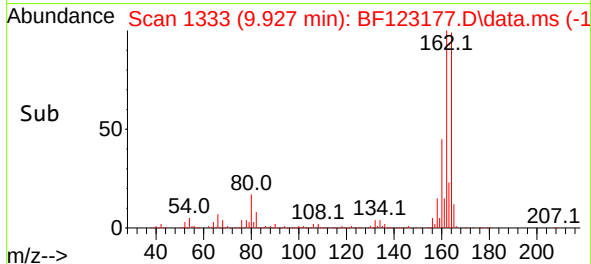
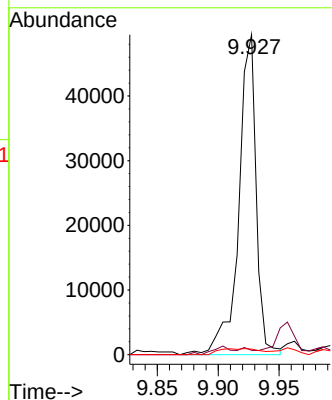
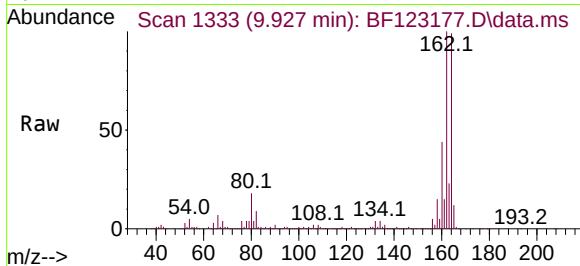




#51
2,6-Dinitrotoluene
Concen: 8.71 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

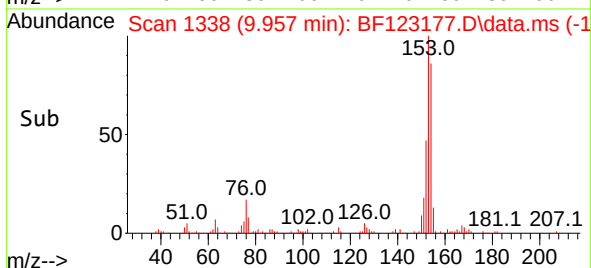
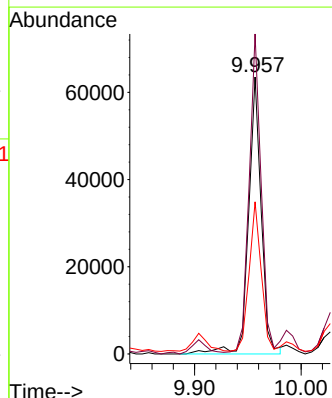
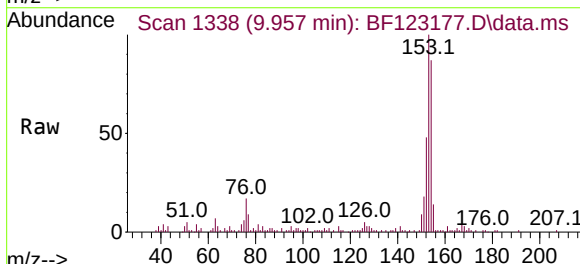
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

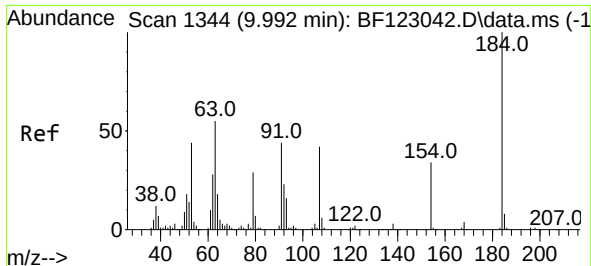
Tgt Ion:165 Resp: 49423
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.7 39.4 59.0#



#52
Acenaphthene
Concen: 2.39 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:154 Resp: 52411
Ion Ratio Lower Upper
154 100
153 115.5 89.0 133.6
152 55.0 42.7 64.1

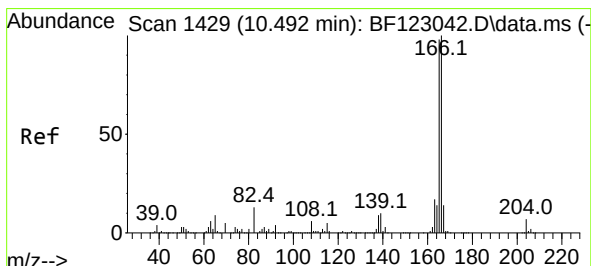
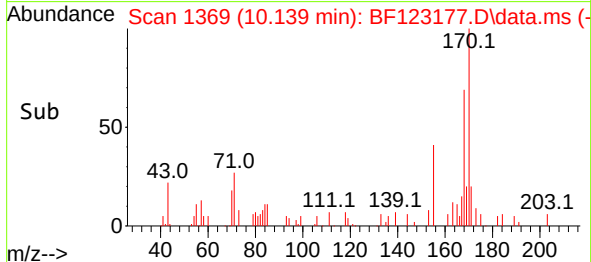
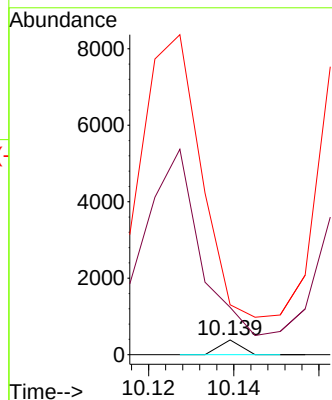
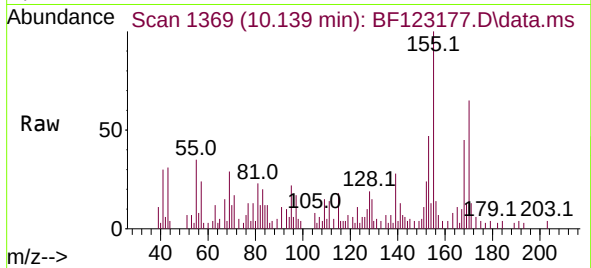




#54
2,4-Dinitrophenol
Concen: 6.89 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.147 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

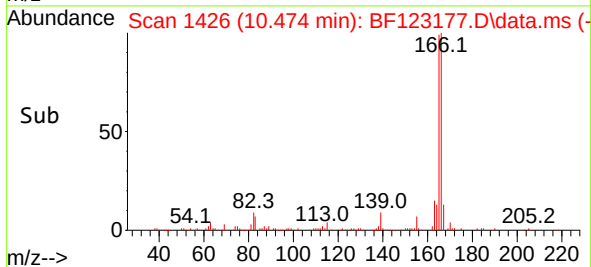
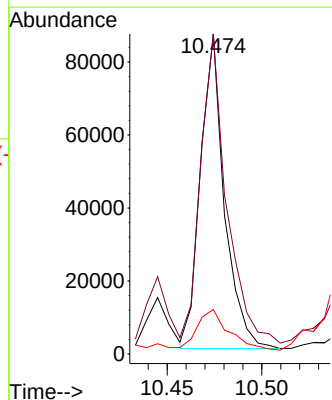
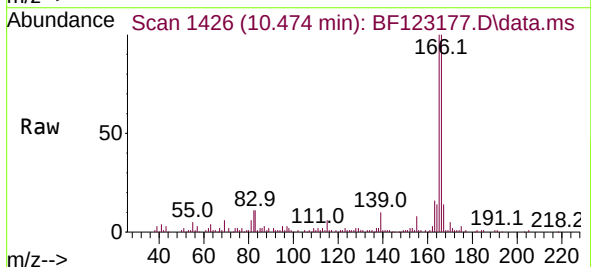
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

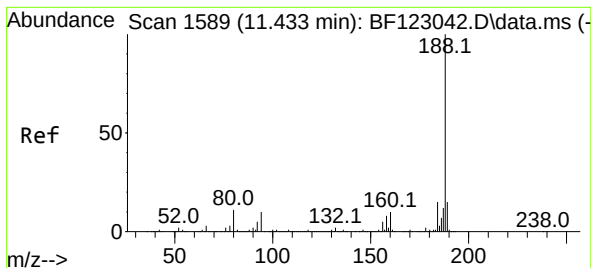
Tgt Ion:184 Resp: 137
Ion Ratio Lower Upper
184 100
63 319.9 51.4 77.2#
154 337.2 49.7 74.5#



#58
Fluorene
Concen: 2.97 ng
RT: 10.474 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:166 Resp: 75608
Ion Ratio Lower Upper
166 100
165 99.9 79.4 119.0
167 13.9 10.9 16.3

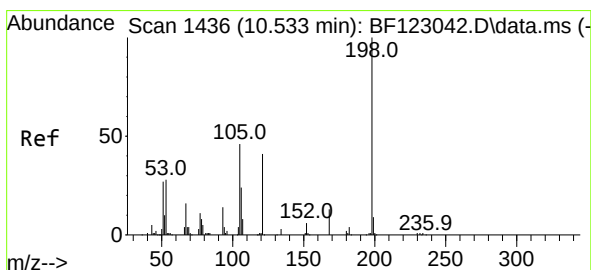
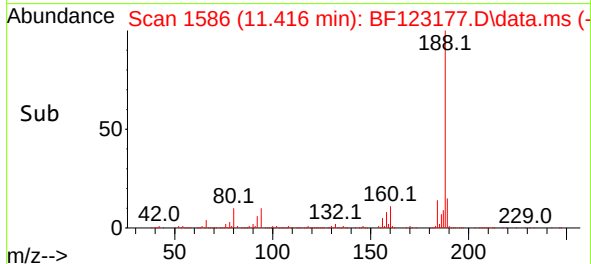
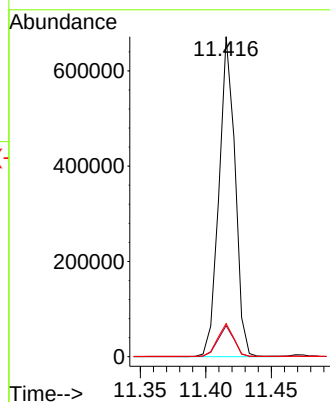
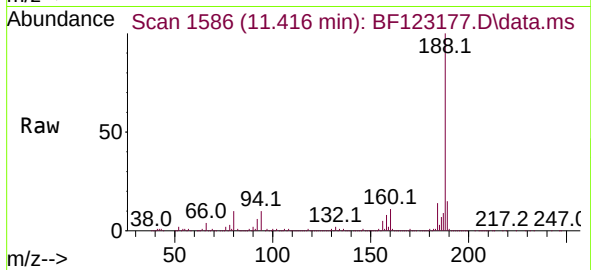




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

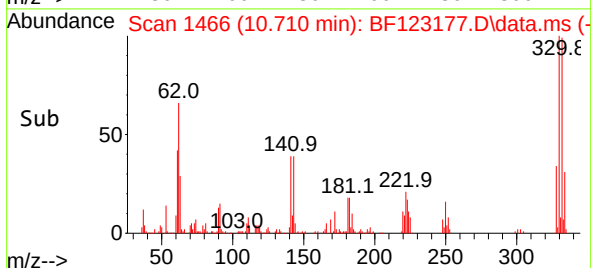
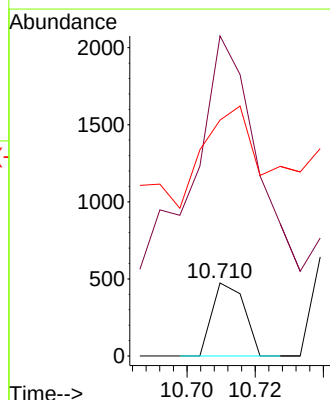
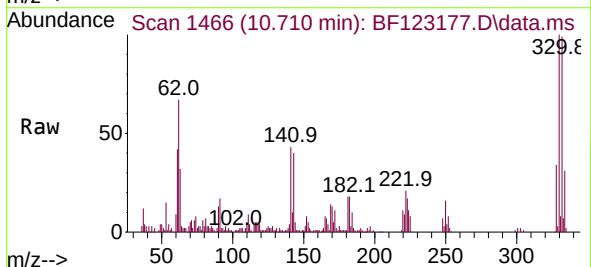
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

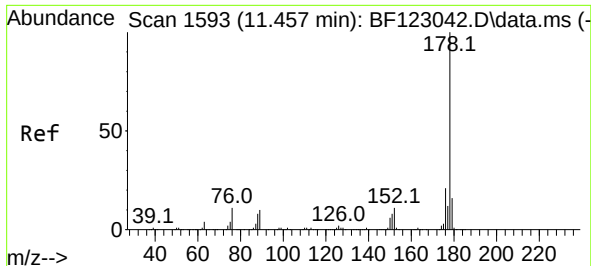
Tgt Ion:188 Resp: 572627
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.3 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.06 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.177 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:198 Resp: 310
Ion Ratio Lower Upper
198 100
51 438.0 20.3 60.3#
105 322.8 23.0 63.0#

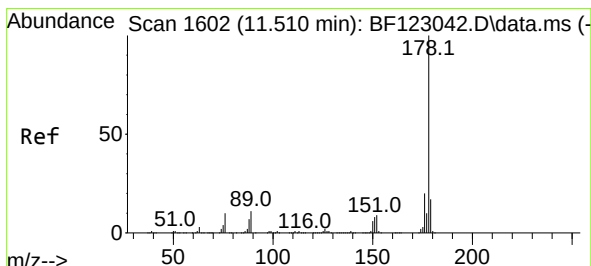
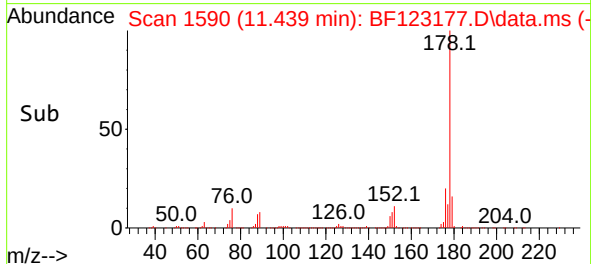
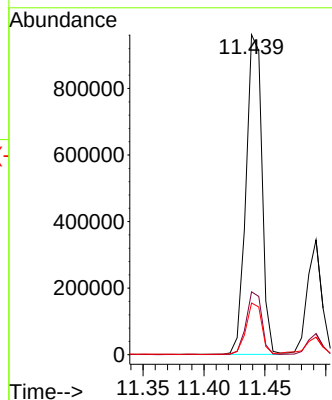
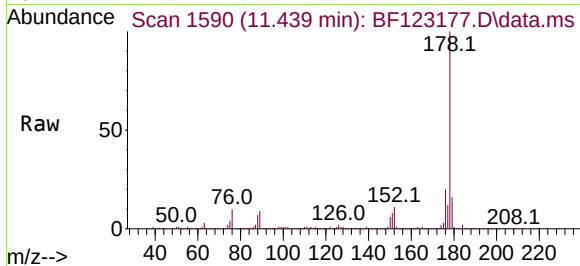




#71
Phenanthrene
Concen: 24.60 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

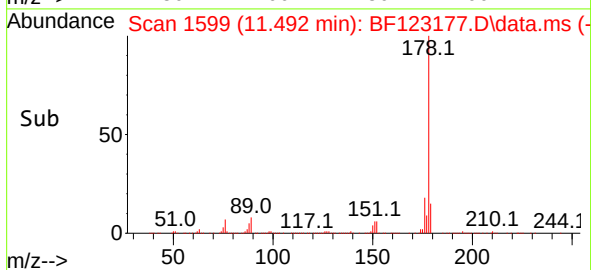
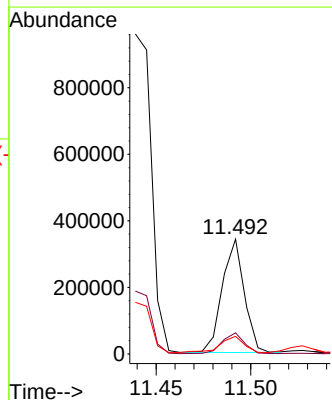
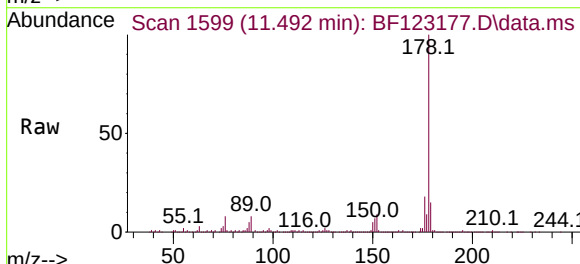
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

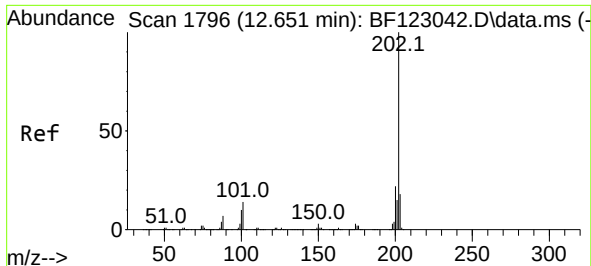
Tgt Ion:178 Resp: 874732
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.2
179 16.2 12.7 19.1



#72
Anthracene
Concen: 8.10 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:178 Resp: 276290
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.3 12.8 19.2

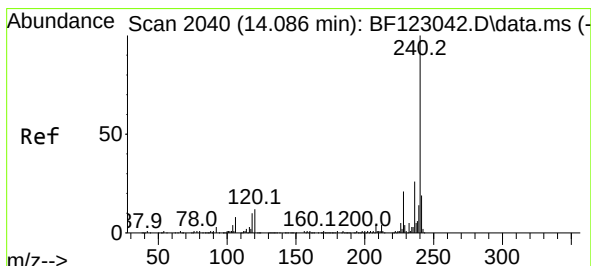
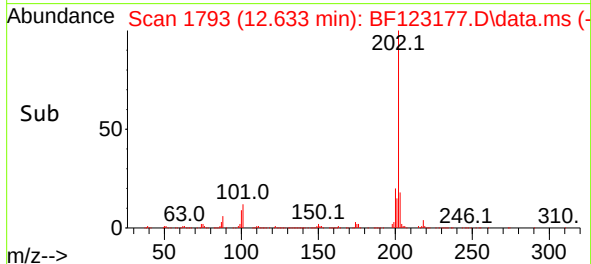
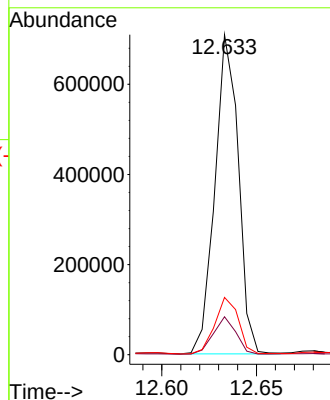
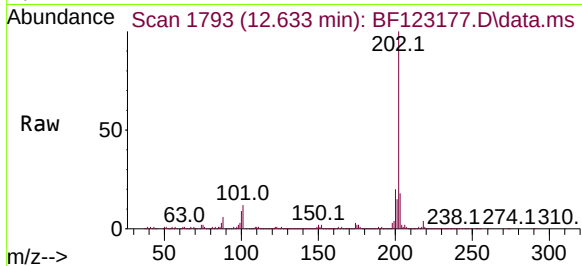




#75
Fluoranthene
Concen: 17.20 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

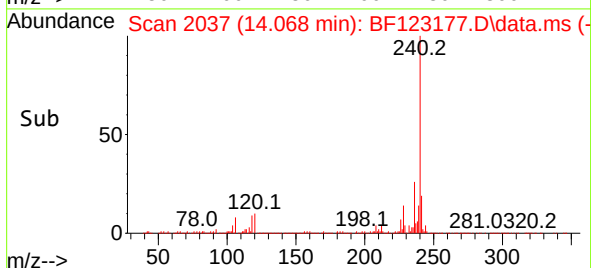
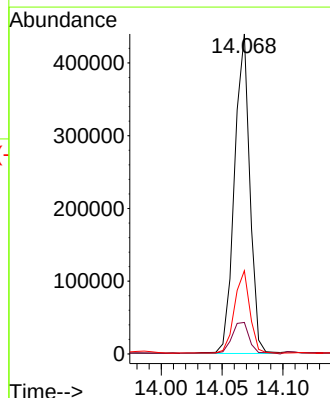
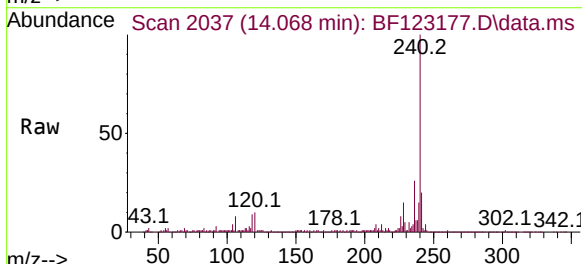
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

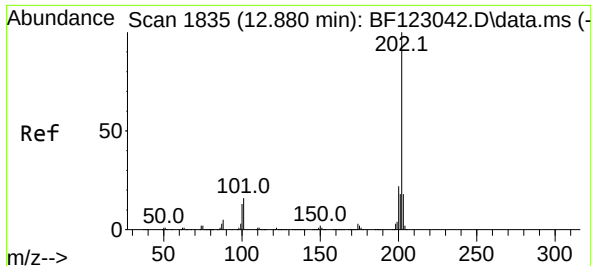
Tgt Ion:	202	Resp:	611472
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	32.2
203	17.9	0.0	38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:	240	Resp:	384403
Ion Ratio	Lower	Upper	
240	100		
120	9.9	8.6	12.8
236	26.0	20.3	30.5



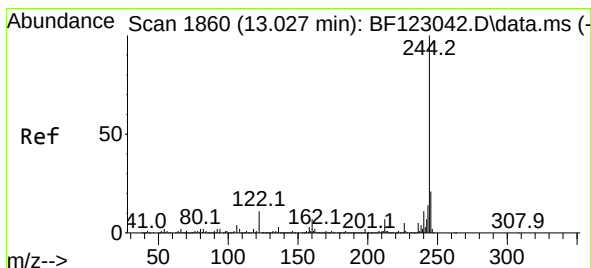
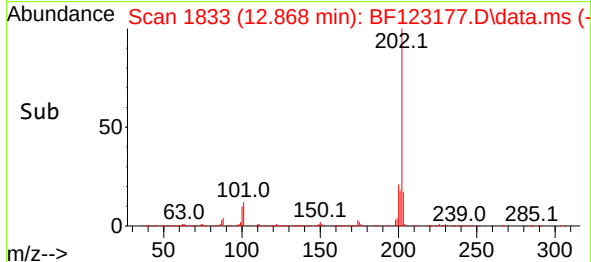
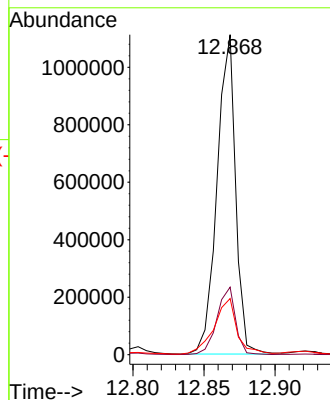
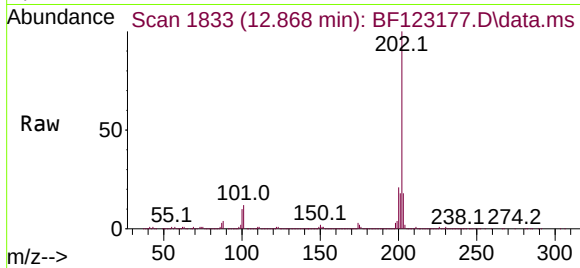


#78
Pyrene
Concen: 34.74 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Instrument :
BNA_F
ClientSampleId :
NB-07-020921

Tgt Ion:202 Resp: 1008012

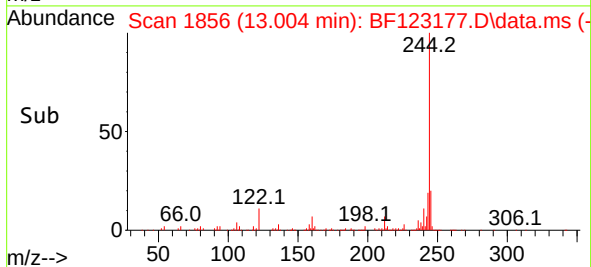
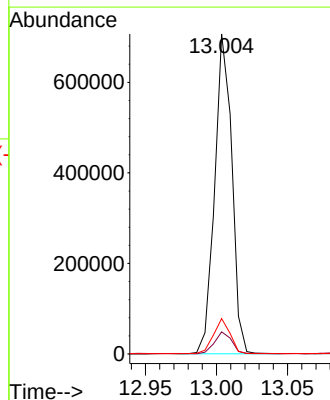
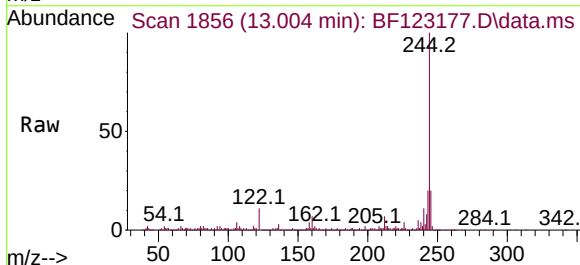
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.6	14.6	21.8

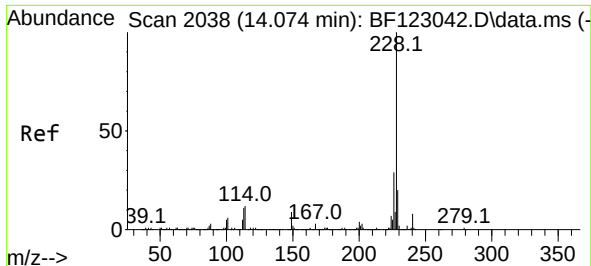


#79
Terphenyl-d14
Concen: 30.30 ng
RT: 13.004 min Scan# 1856
Delta R.T. -0.024 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:244 Resp: 592764

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.1	8.3	12.5

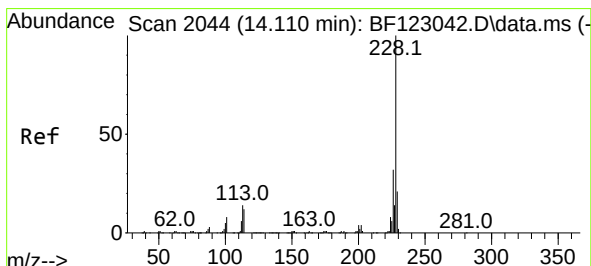
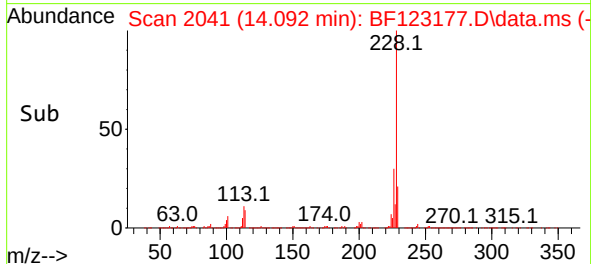
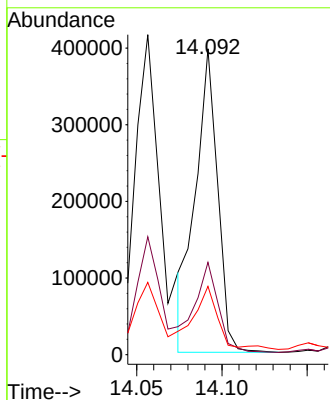
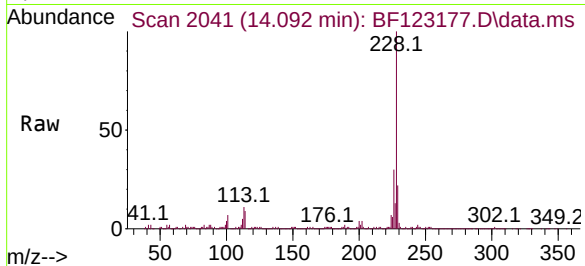




#81
Benzo(a)anthracene
Concen: 13.80 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.017 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

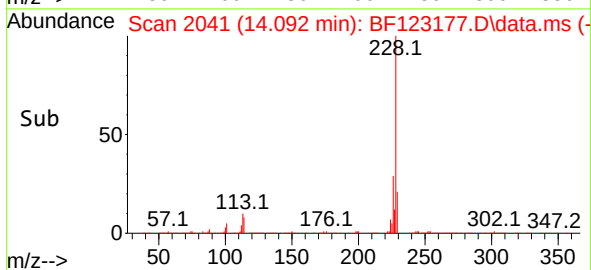
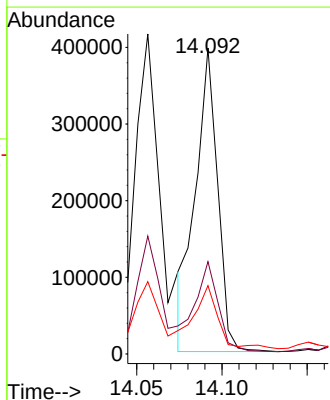
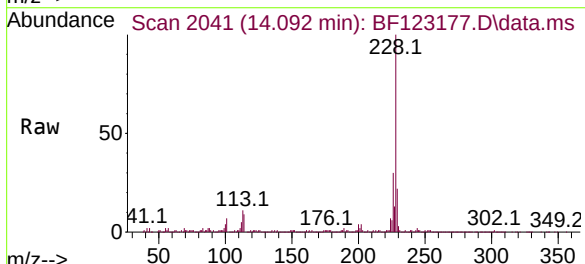
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

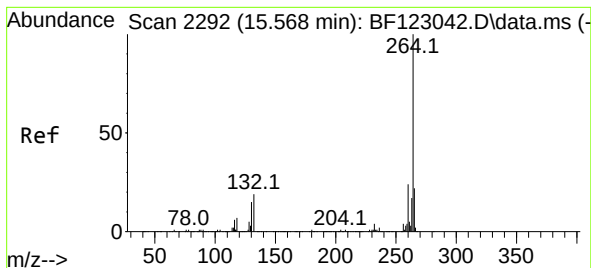
Tgt Ion:228 Resp: 358896
Ion Ratio Lower Upper
228 100
226 30.2 23.0 34.4
229 22.4 16.6 24.8



#83
Chrysene
Concen: 13.78 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:228 Resp: 358896
Ion Ratio Lower Upper
228 100
226 30.2 24.6 36.8
229 22.4 15.8 23.6

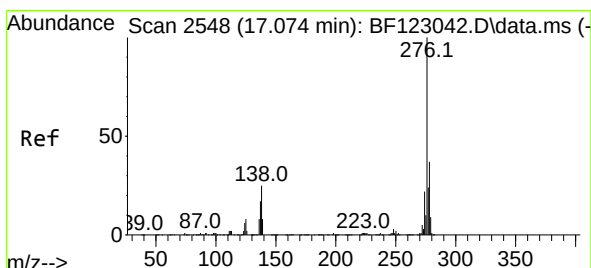
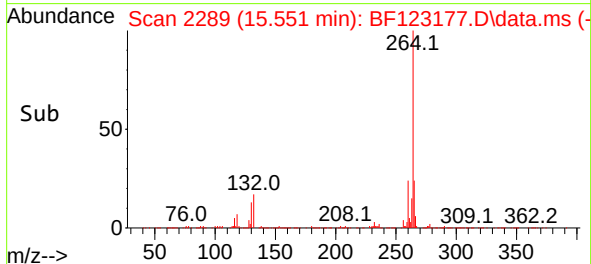
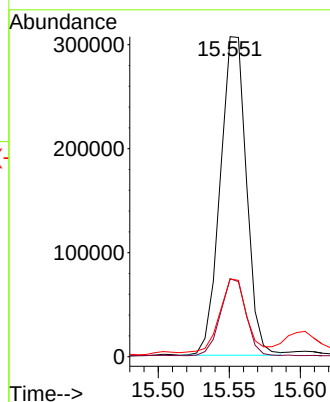
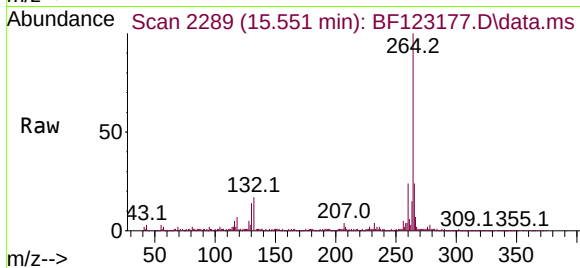




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

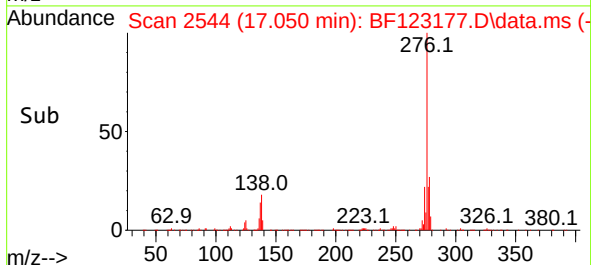
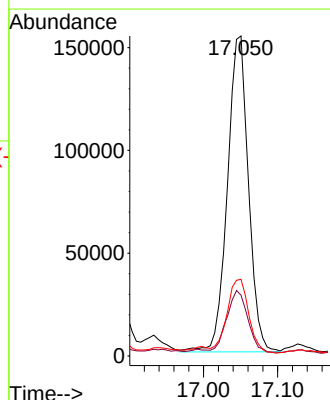
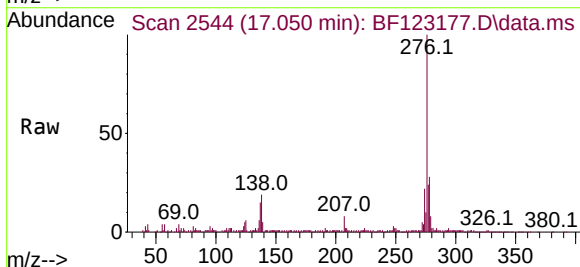
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

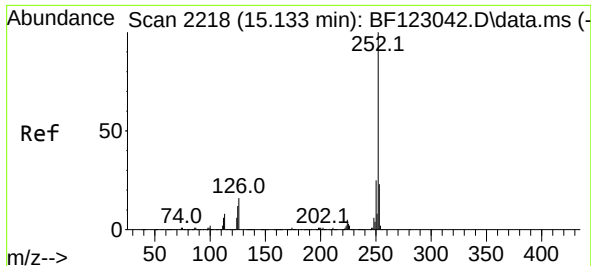
Tgt Ion:264	Resp: 392953
Ion Ratio	Lower Upper
264	100
260	24.4 18.6 28.0
265	24.3 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.58 ng
RT: 17.050 min Scan# 2544
Delta R.T. -0.024 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:276	Resp: 303119
Ion Ratio	Lower Upper
276	100
138	19.6 18.7 28.1
277	24.1 20.2 30.4

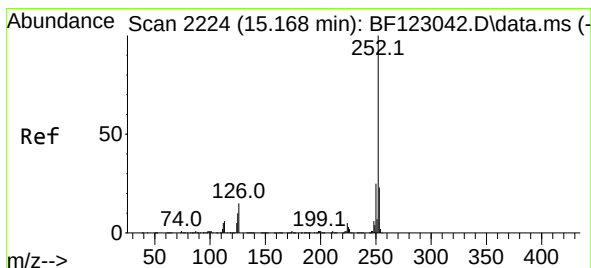
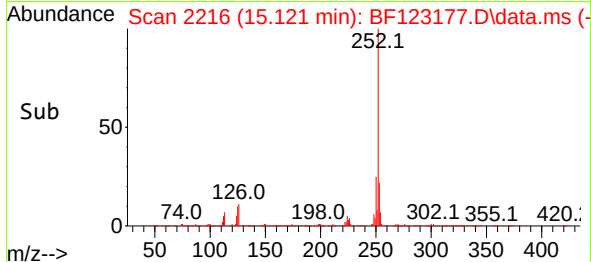
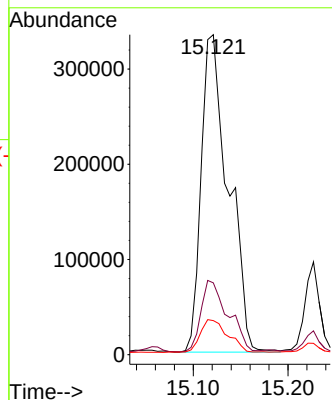
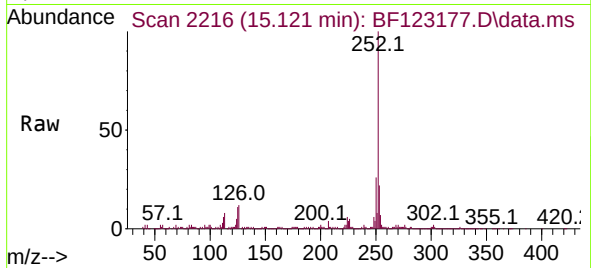




#88
Benzo(b)fluoranthene
Concen: 23.52 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

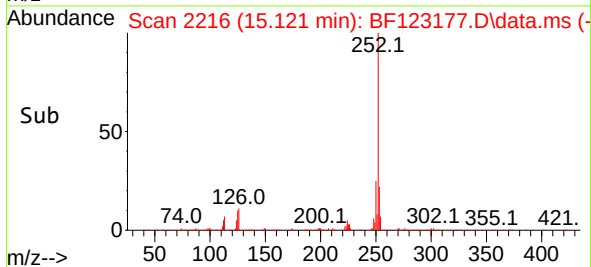
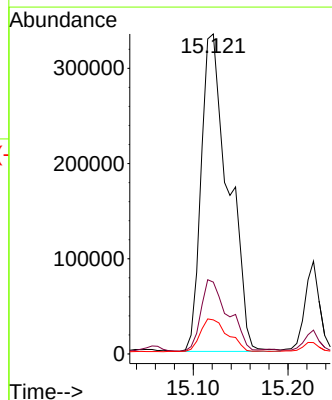
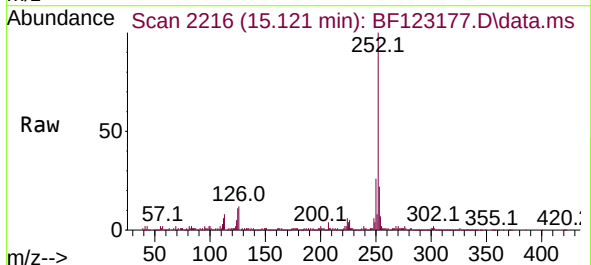
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

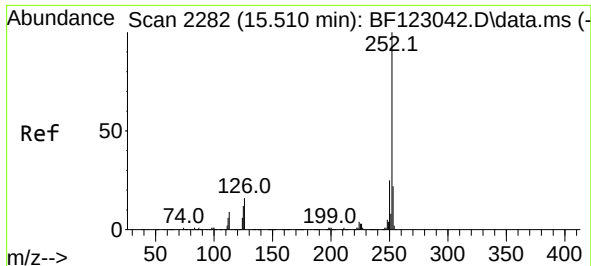
Tgt Ion:252 Resp: 667046
Ion Ratio Lower Upper
252 100
253 22.5 18.3 27.5
125 10.6 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 25.31 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.047 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:252 Resp: 667046
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 10.6 8.4 12.6

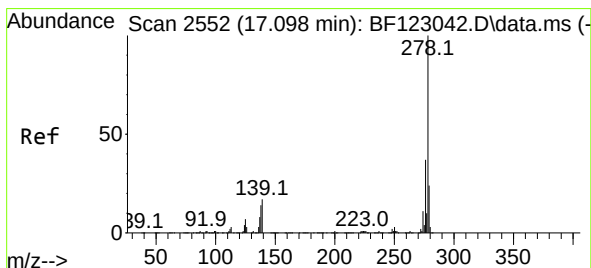
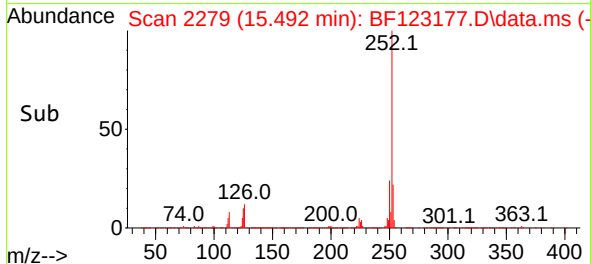
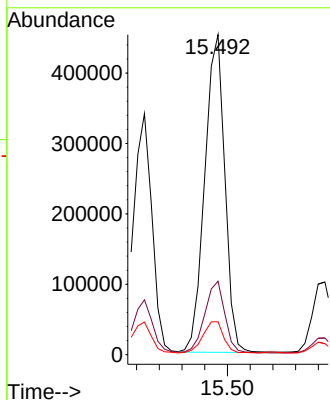
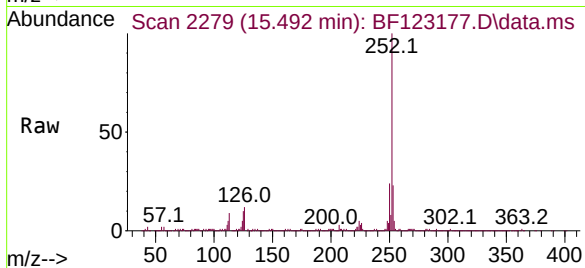




#90
Benzo(a)pyrene
Concen: 22.23 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

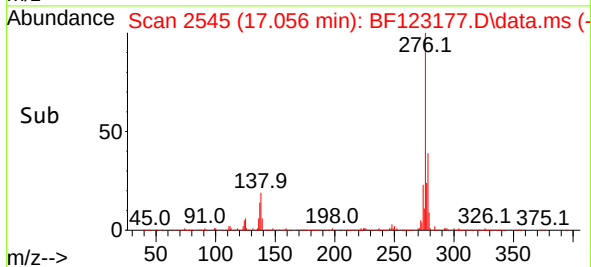
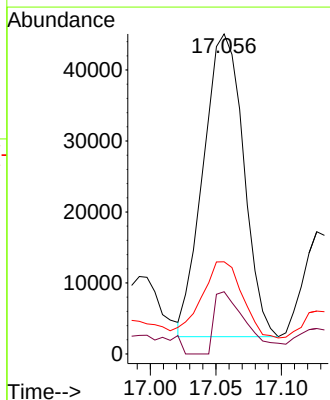
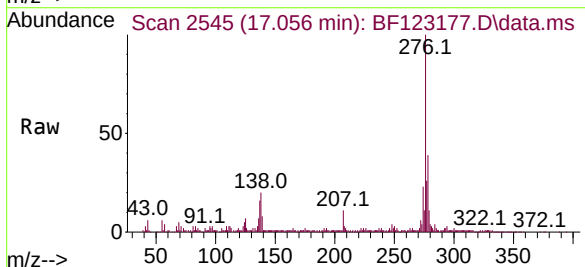
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

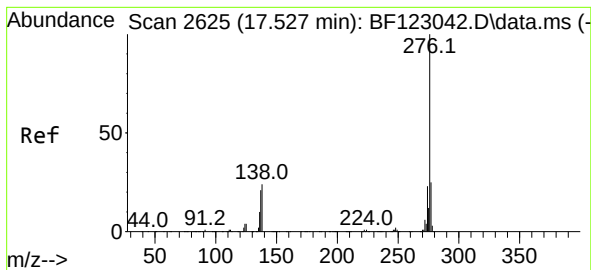
Tgt Ion:252 Resp: 553791
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.3 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 4.24 ng
RT: 17.056 min Scan# 2545
Delta R.T. -0.041 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

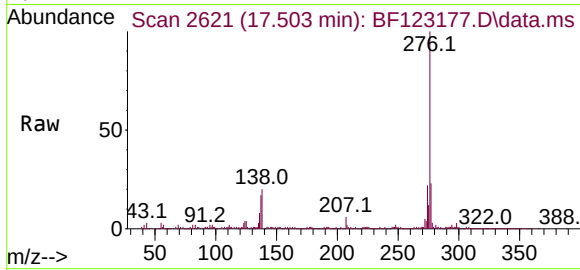
Tgt Ion:278 Resp: 91224
Ion Ratio Lower Upper
278 100
139 19.5 12.0 18.0#
279 28.8 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 18.88 ng
 RT: 17.503 min Scan# 2621
 Delta R.T. -0.024 min
 Lab File: BF123177.D
 Acq: 10 Feb 2021 18:56

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-020921



Tgt Ion:276 Resp: 394077

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.3	28.9
138	19.9	16.6	24.8

