

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033021\
 Data File : BF123531.D
 Acq On : 30 Mar 2021 20:24
 Operator : JU/CG
 Sample : M1832-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IG003

Quant Time: Mar 31 04:10:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 30 11:51:25 2021
 Response via : Initial Calibration

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

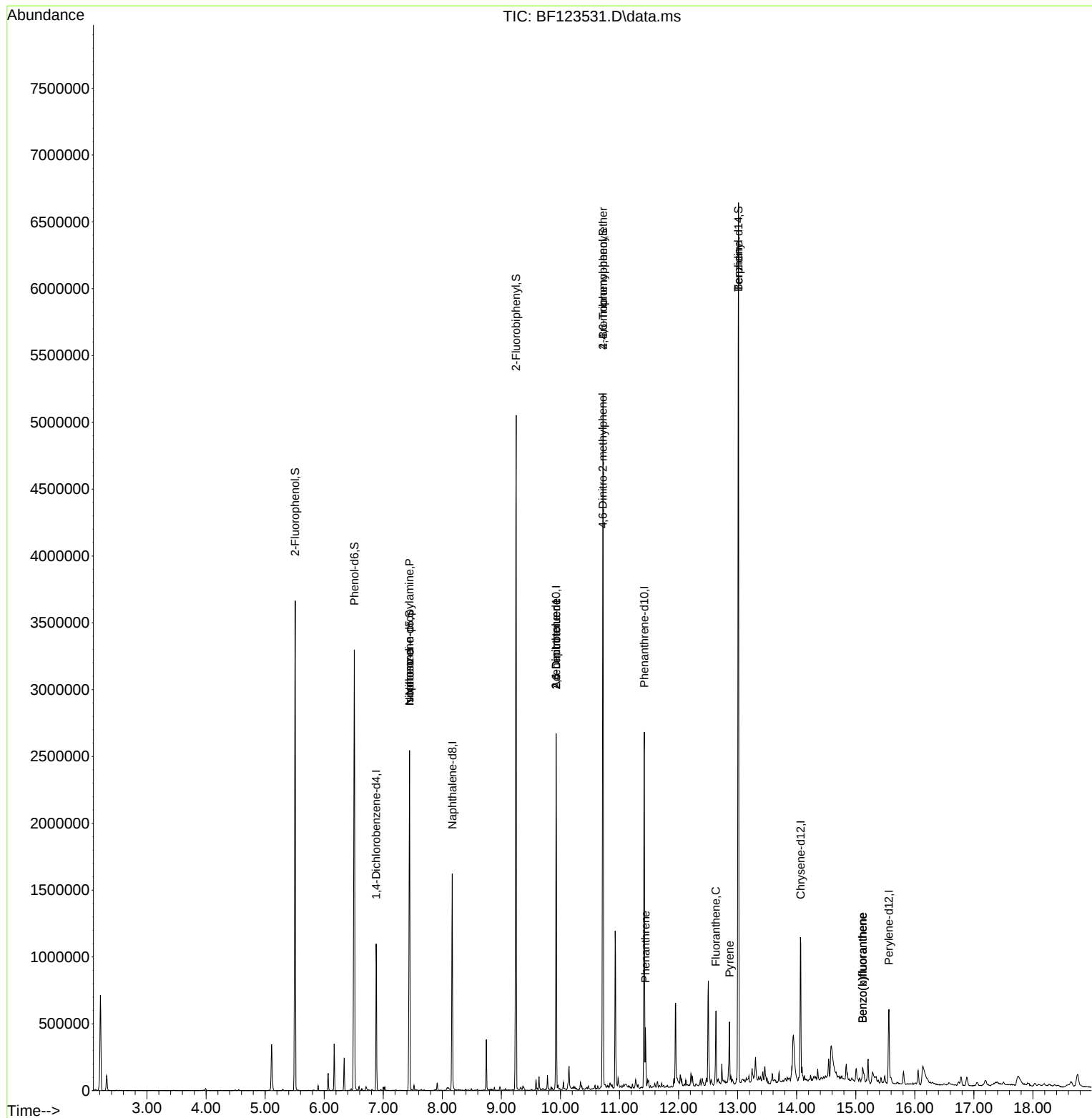
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	148284	20.00	ng	0.00
21) Naphthalene-d8	8.169	136	662517	20.00	ng	# 0.00
39) Acenaphthene-d10	9.928	164	514775	20.00	ng	0.00
64) Phenanthrene-d10	11.422	188	982701	20.00	ng	0.00
76) Chrysene-d12	14.068	240	378256	20.00	ng	# 0.00
86) Perylene-d12	15.562	264	275368	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	866988	95.65	ng	0.00
7) Phenol-d6	6.510	99	1097431	90.95	ng	0.00
23) Nitrobenzene-d5	7.445	82	777209	63.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	639281	111.08	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1567138	43.49	ng	0.00
79) Terphenyl-d14	13.016	244	2164407	96.98	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.510	77	3027	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.445	70	110910	14.21	ng	# 80
25) Isophorone	7.445	82	767998	29.10	ng	# 65
51) 2,6-Dinitrotoluene	9.928	165	67238	8.80	ng	# 31
57) 2,4-Dinitrotoluene	9.928	165	67238	7.05	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.716	198	1413	5.36	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	37567	3.23	ng	# 1
71) Phenanthrene	11.439	178	146278	2.69	ng	97
75) Fluoranthene	12.633	202	200183	3.40	ng	97
77) Benzidine	13.016	184	30352	2.69	ng	95
78) Pyrene	12.863	202	170530	5.23	ng	98
88) Benzo(b)fluoranthene	15.115	252	63635	3.35	ng	94
89) Benzo(k)fluoranthene	15.115	252	63635	3.54	ng	94

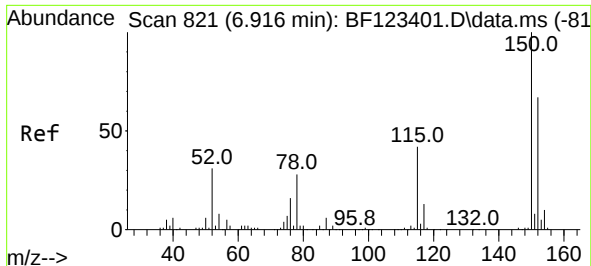
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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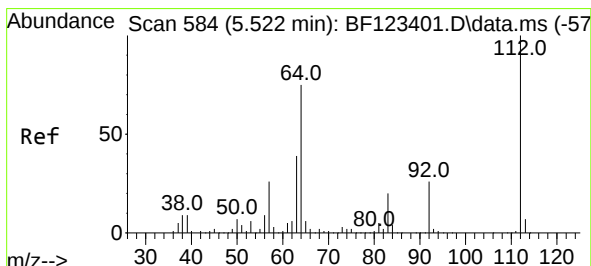
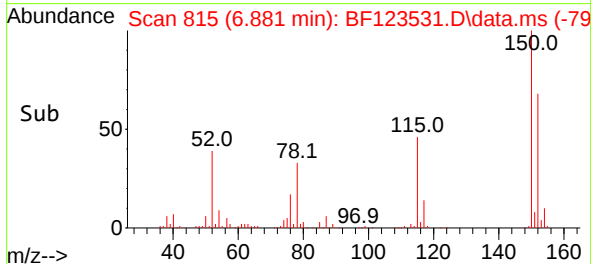
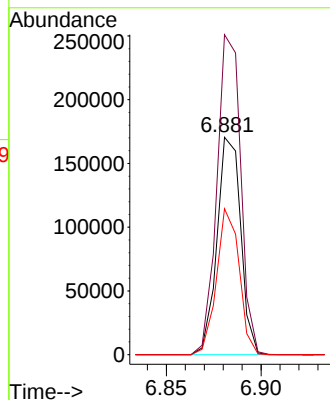
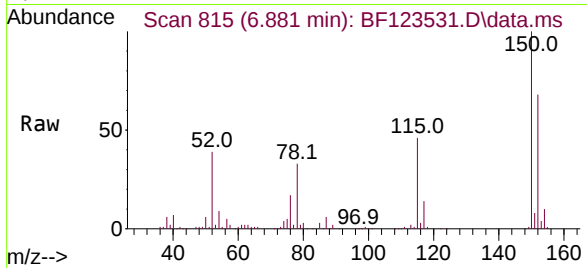




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

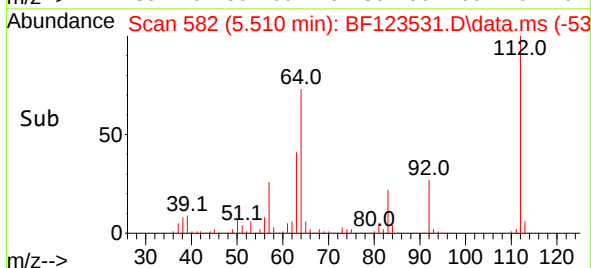
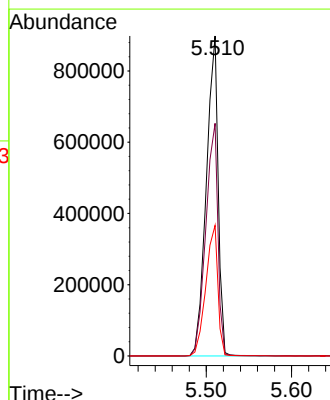
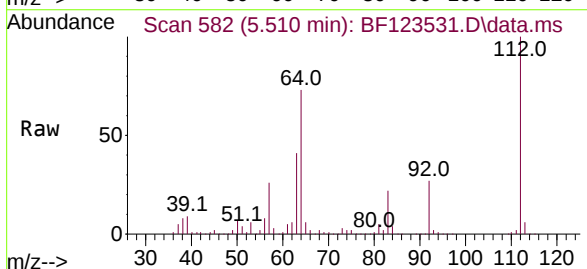
Instrument :
BNA_F
ClientSampleId :
IG003

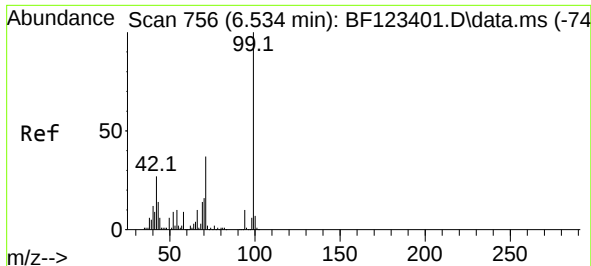
Tgt Ion:152 Resp: 148284
Ion Ratio Lower Upper
152 100
150 147.2 125.8 188.6
115 67.1 49.3 73.9



#5
2-Fluorophenol
Concen: 95.65 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion:112 Resp: 866988
Ion Ratio Lower Upper
112 100
64 72.7 46.9 70.3#
63 40.8 24.5 36.7#

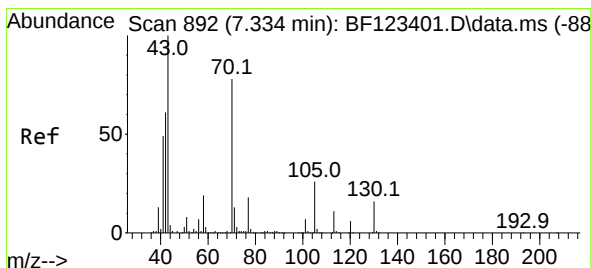
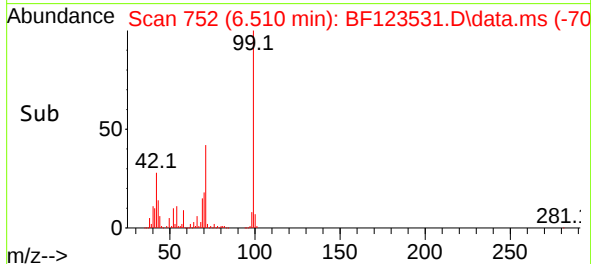
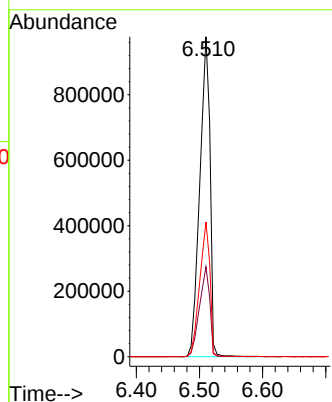
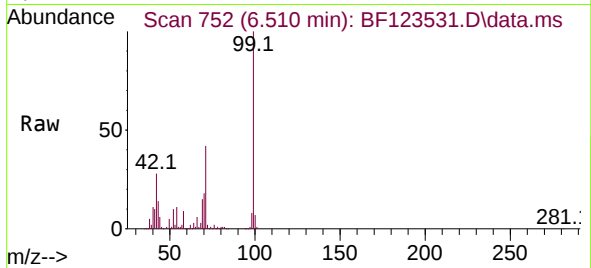




#7
Phenol-d6
Concen: 90.95 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

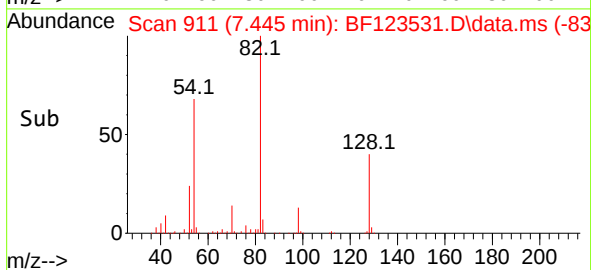
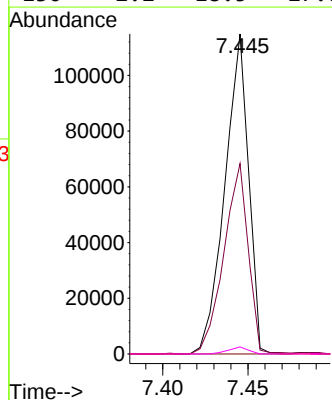
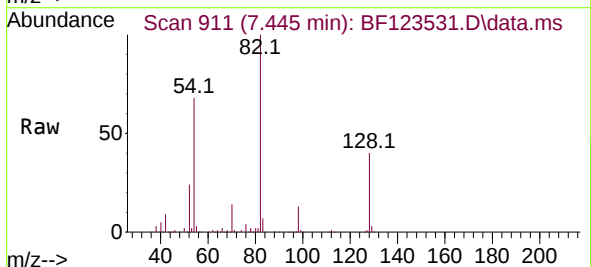
Instrument :
BNA_F
ClientSampleId :
IG003

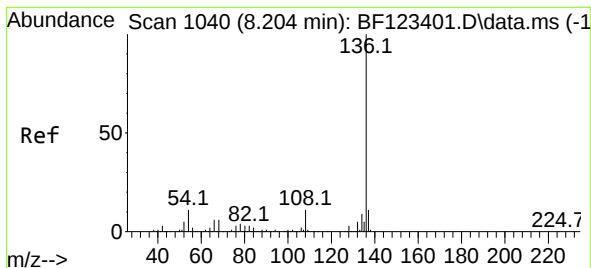
Tgt Ion: 99 Resp: 1097431
Ion Ratio Lower Upper
99 100
42 28.1 13.8 20.6#
71 42.1 26.9 40.3#



#19
n-Nitroso-di-n-propylamine
Concen: 14.21 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion: 70 Resp: 110910
Ion Ratio Lower Upper
70 100
42 59.5 43.0 64.4
101 0.0 7.9 11.9#
130 2.2 18.5 27.7#

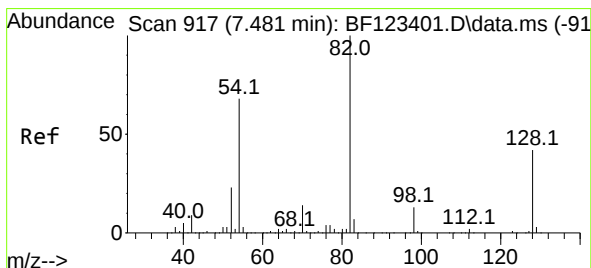
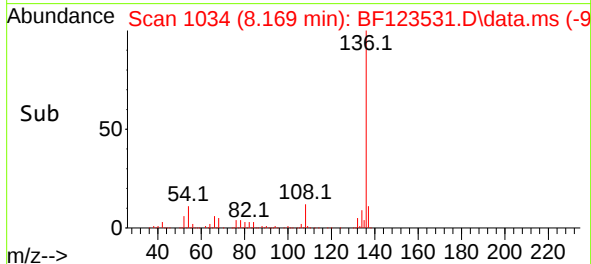
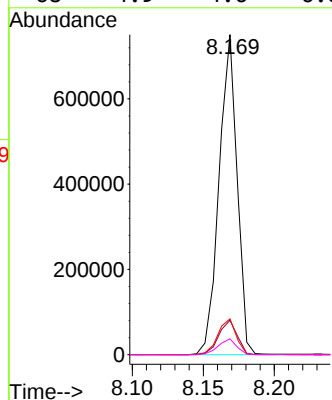
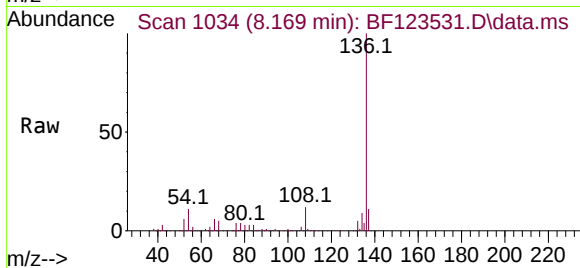




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

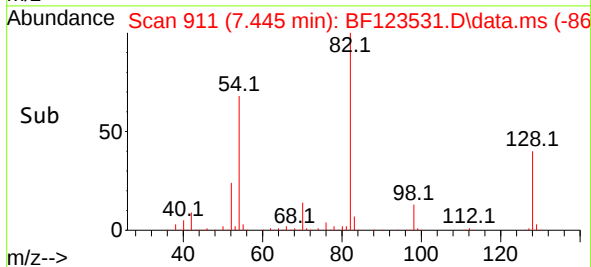
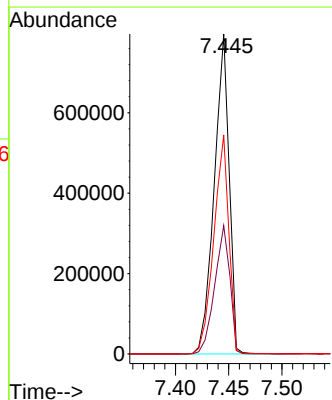
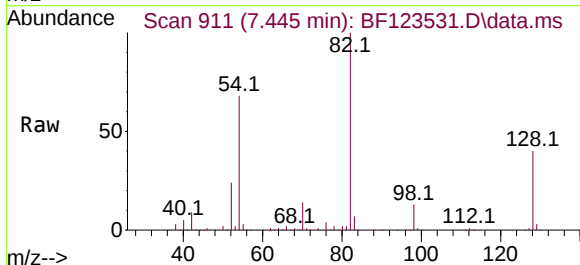
Instrument :
BNA_F
ClientSampleId :
IG003

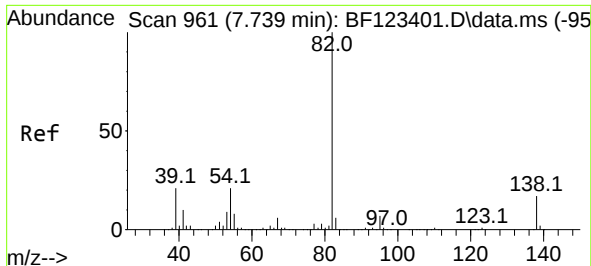
Tgt Ion:	136	Resp:	662517
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	11.2	5.5	8.3#
68	4.9	4.6	6.8



#23
Nitrobenzene-d5
Concen: 63.31 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion:	82	Resp:	777209
Ion Ratio	Lower	Upper	
82	100		
128	40.1	37.0	55.4
54	68.5	38.4	57.6#

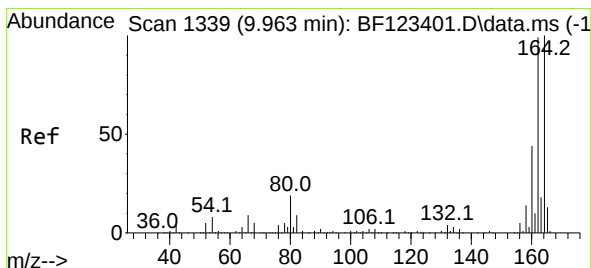
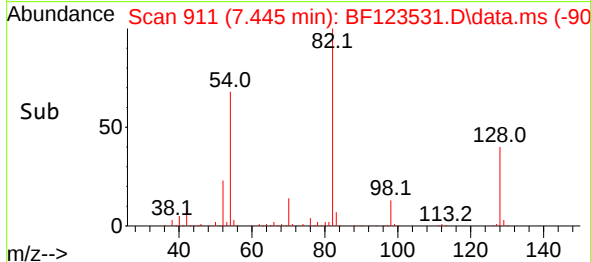
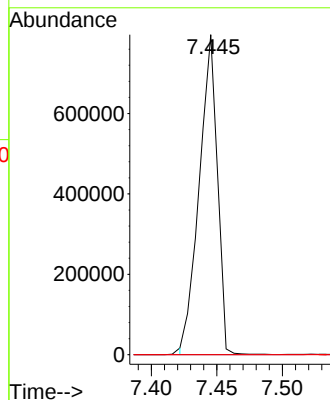
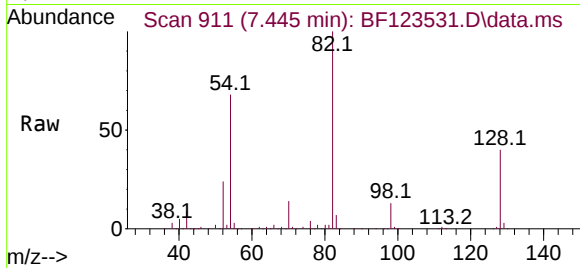




#25
Isophorone
Concen: 29.10 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

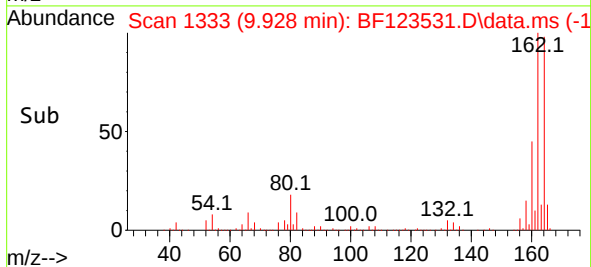
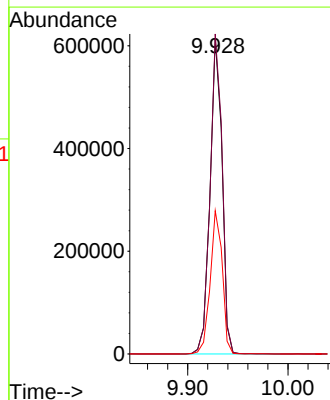
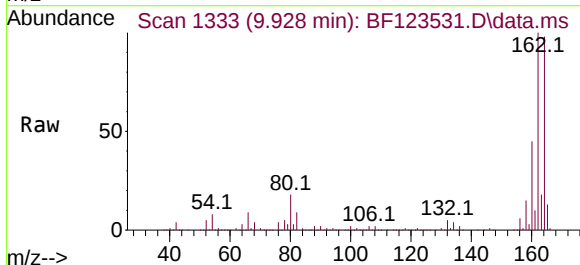
Instrument :
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ClientSampleId :
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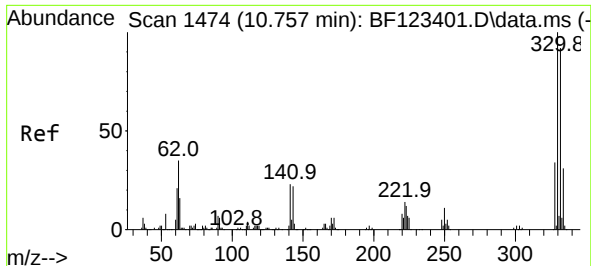
Tgt Ion: 82 Resp: 767998
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion: 164 Resp: 514775
Ion Ratio Lower Upper
164 100
162 101.6 80.8 121.2
160 45.5 35.4 53.0

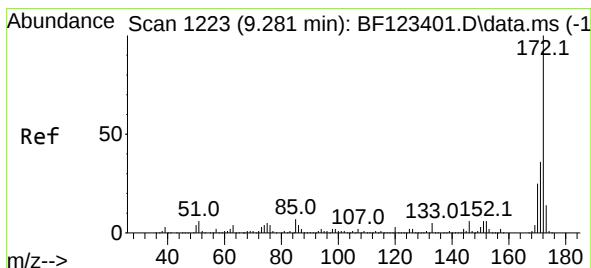
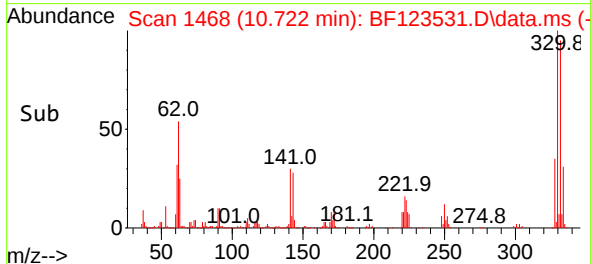
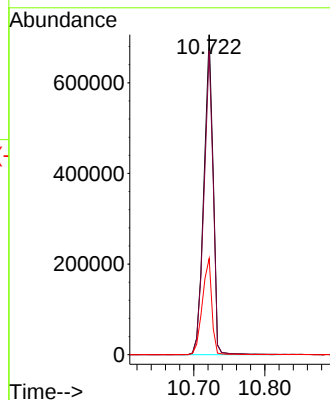
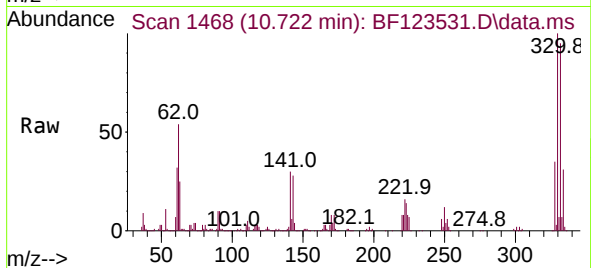




#42
2,4,6-Tribromophenol
Concen: 111.08 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

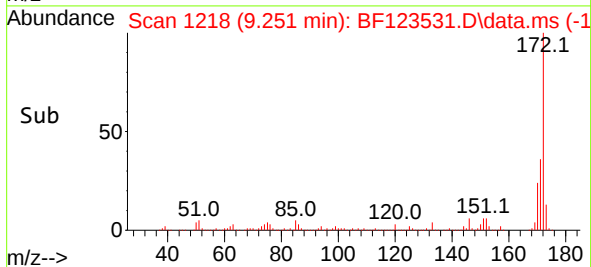
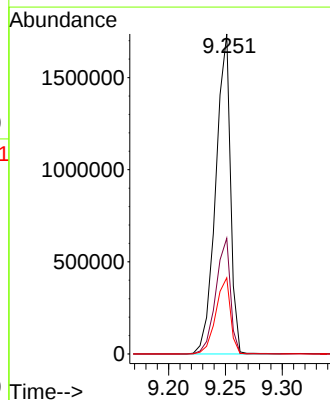
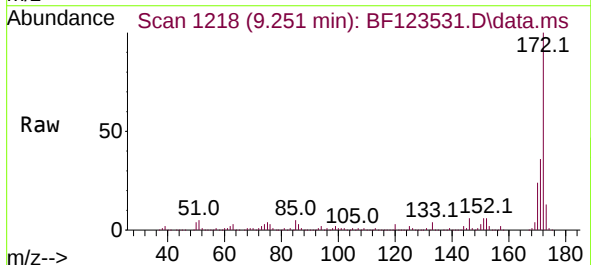
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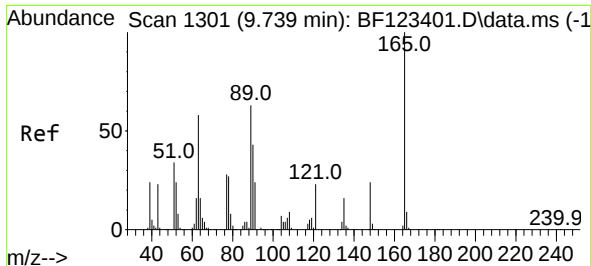
Tgt Ion: 330 Resp: 639281
Ion Ratio Lower Upper
330 100
332 95.0 77.5 116.3
141 30.7 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 43.49 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion: 172 Resp: 1567138
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.8 19.5 29.3

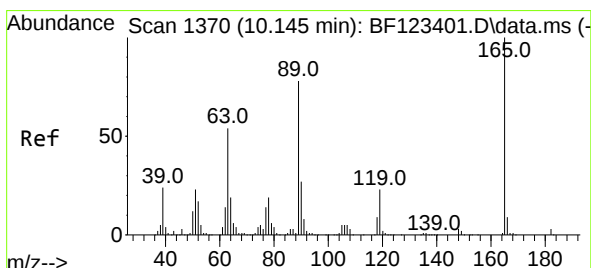
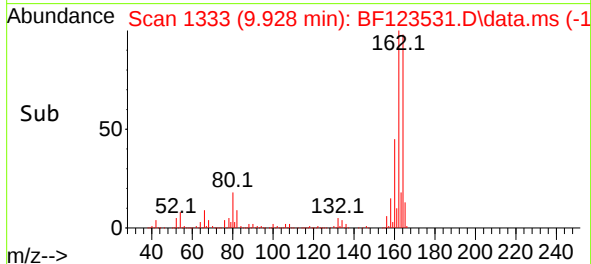
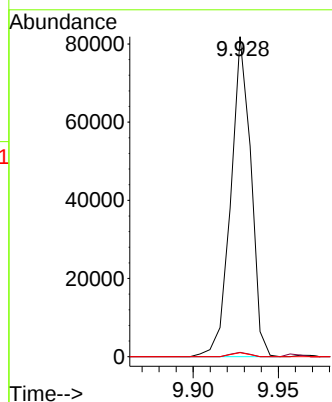
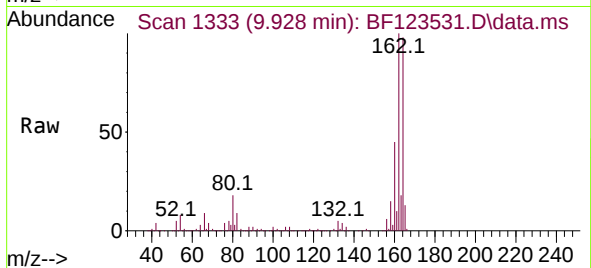




#51
2,6-Dinitrotoluene
Concen: 8.80 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.212 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

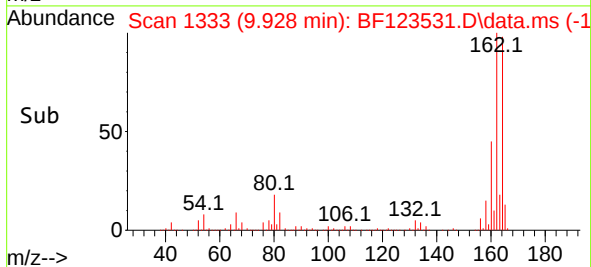
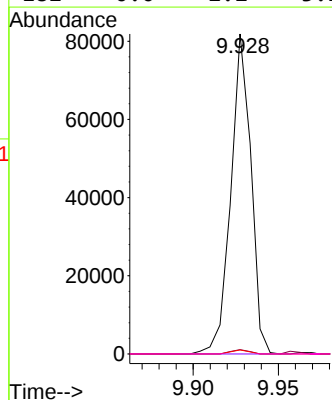
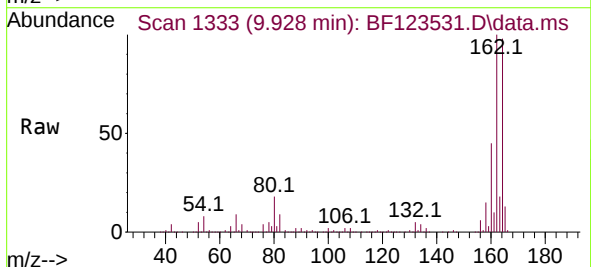
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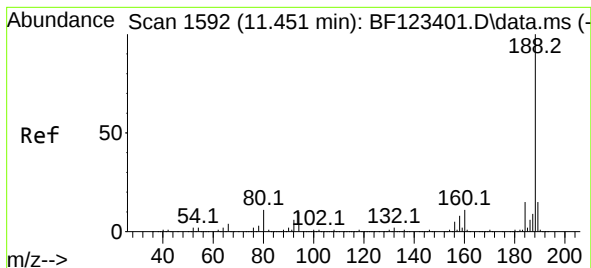
Tgt Ion:165 Resp: 67238
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.2 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 7.05 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion:165 Resp: 67238
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.2 55.2 82.8#
182 0.0 2.2 3.2#

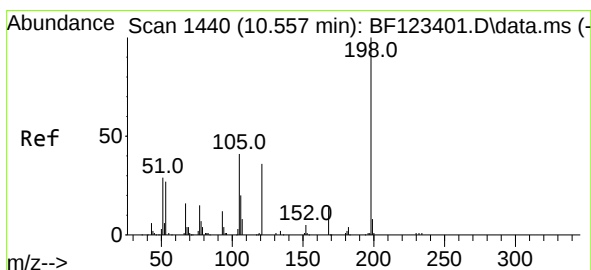
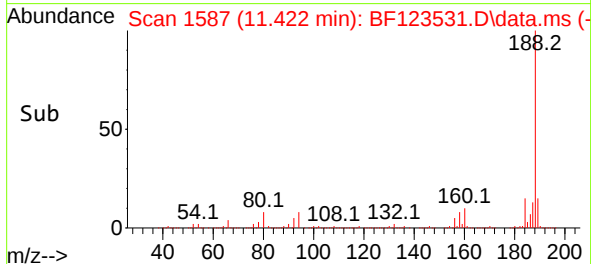
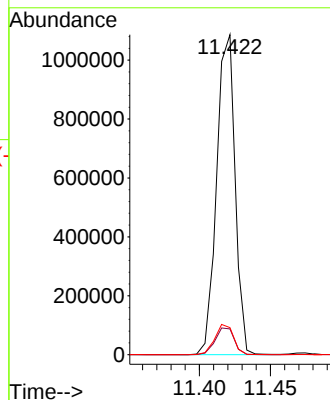
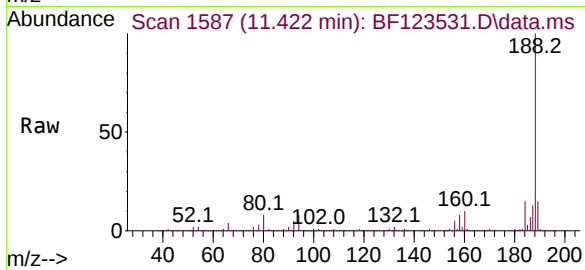




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

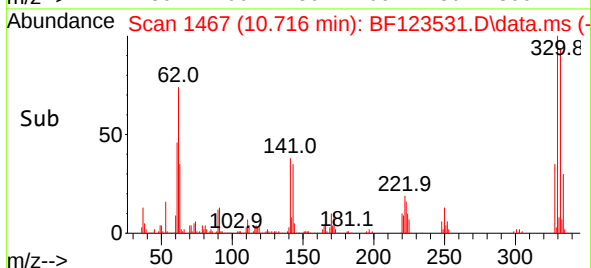
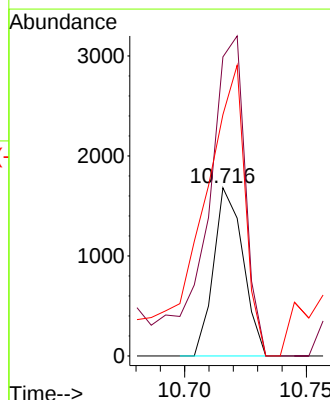
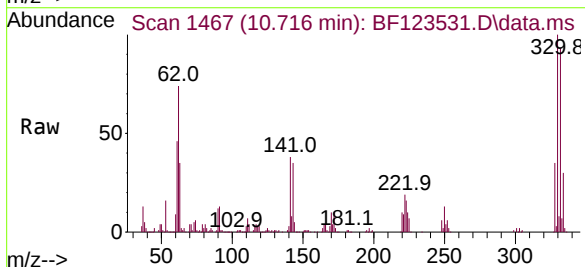
Instrument :
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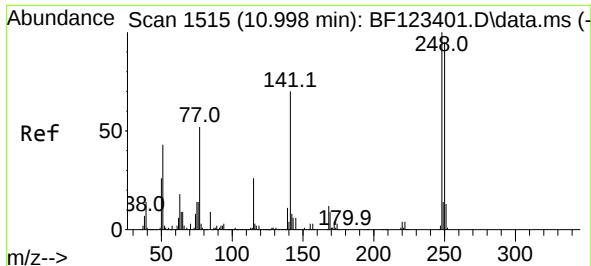
Tgt Ion:188 Resp: 982701
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 8.5 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.36 ng
RT: 10.716 min Scan# 1467
Delta R.T. 0.182 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion:198 Resp: 1413
Ion Ratio Lower Upper
198 100
51 177.8 20.3 60.3#
105 143.5 23.0 63.0#

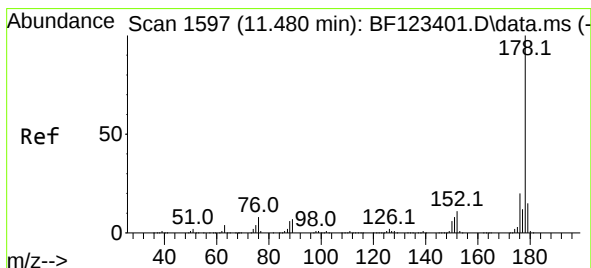
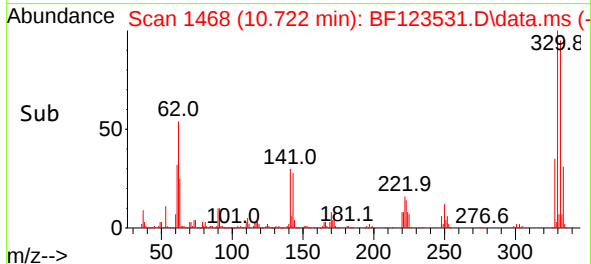
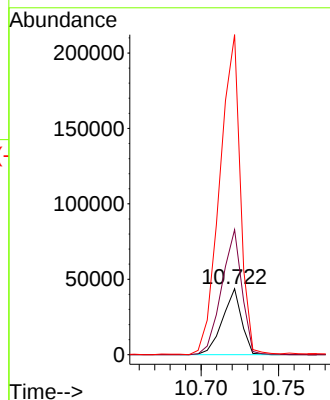
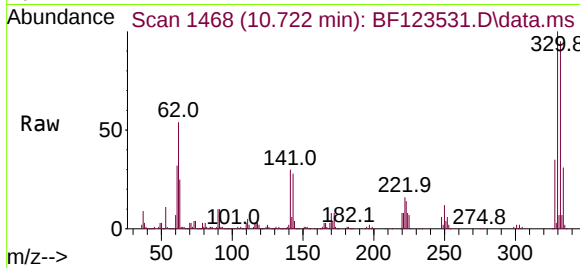




#67
4-Bromophenyl-phenylether
Concen: 3.23 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.247 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

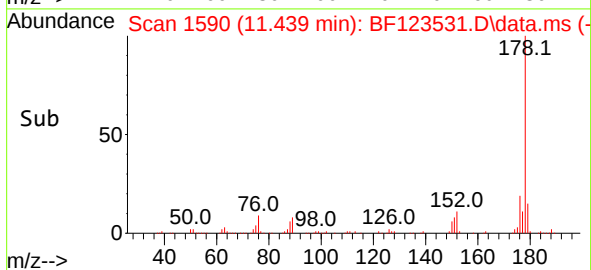
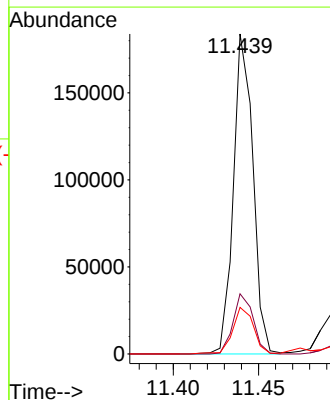
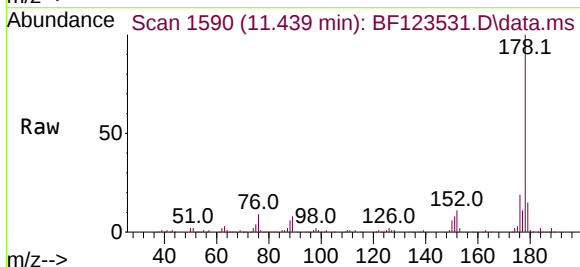
Instrument :
BNA_F
ClientSampleId :
IG003

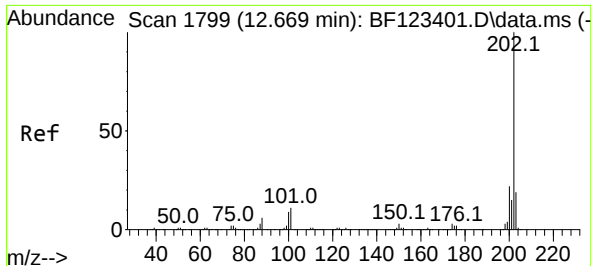
Tgt Ion:248 Resp: 37567
Ion Ratio Lower Upper
248 100
250 189.8 76.8 115.2#
141 485.7 59.8 89.8#



#71
Phenanthrene
Concen: 2.69 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.012 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion:178 Resp: 146278
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 14.6 12.7 19.1

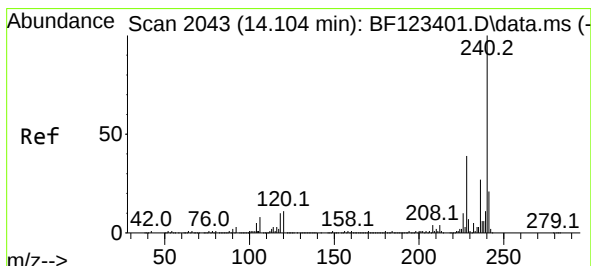
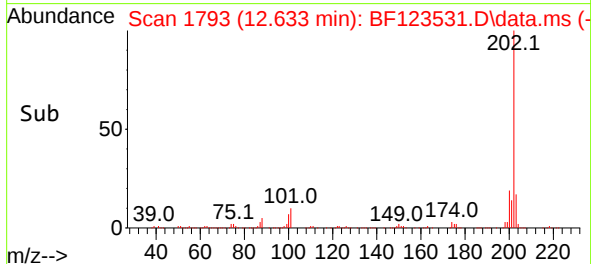
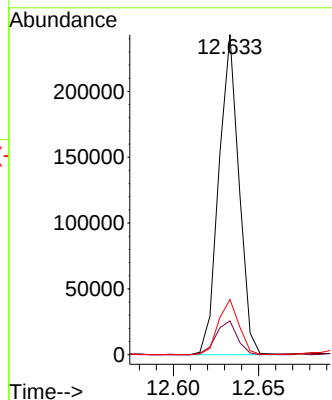
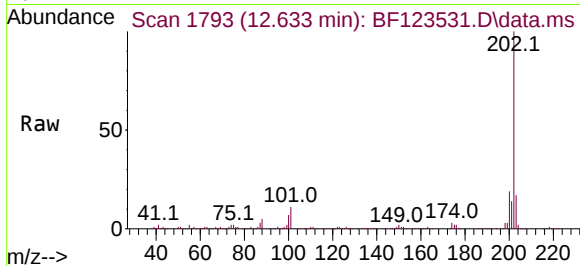




#75
Fluoranthene
Concen: 3.40 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

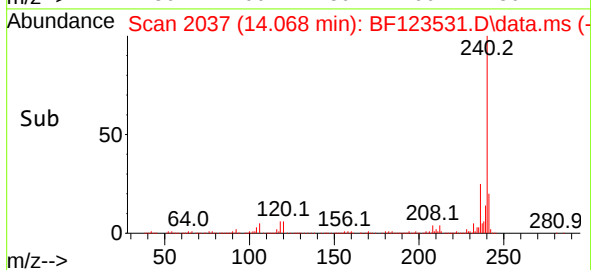
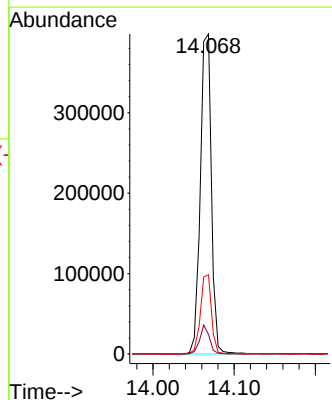
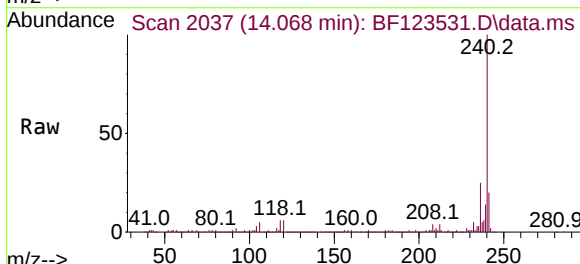
Instrument :
BNA_F
ClientSampleId :
IG003

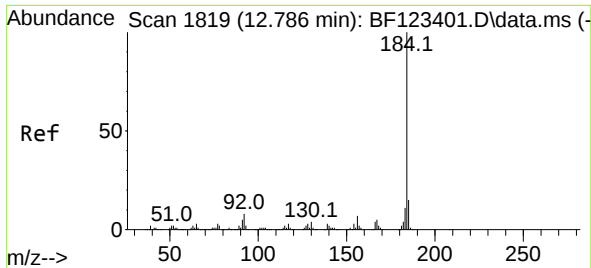
Tgt Ion:202 Resp: 200183
Ion Ratio Lower Upper
202 100
101 10.6 0.0 32.2
203 17.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion:240 Resp: 378256
Ion Ratio Lower Upper
240 100
120 6.1 8.6 12.8#
236 24.8 20.3 30.5

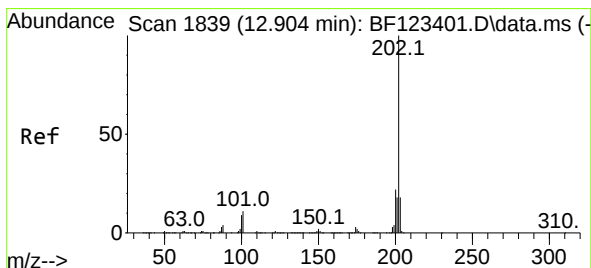
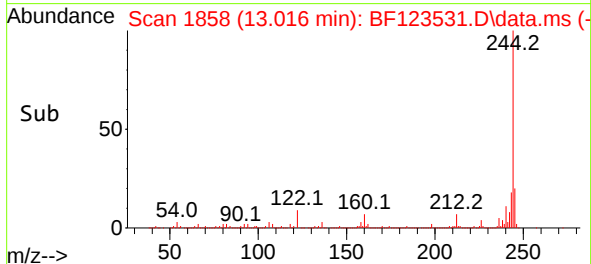
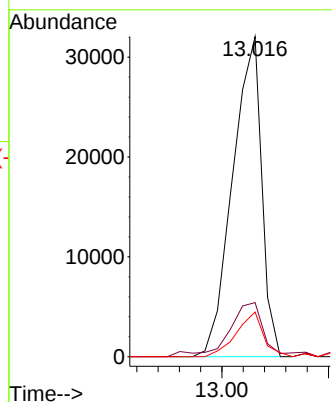
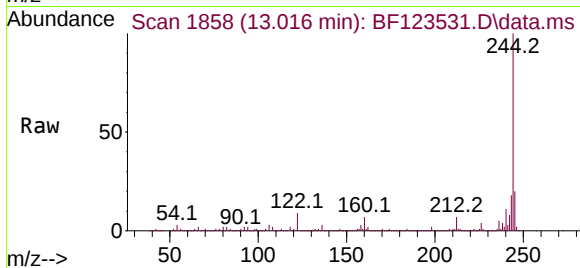




#77
Benzidine
Concen: 2.69 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.259 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

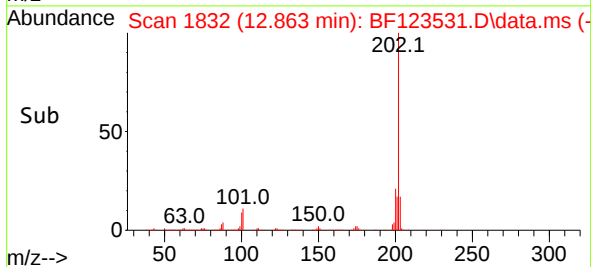
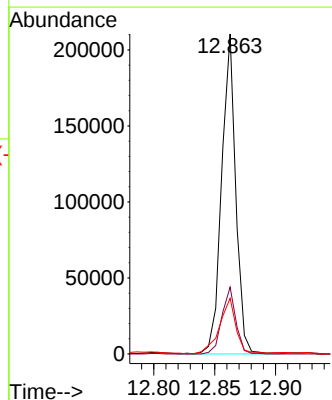
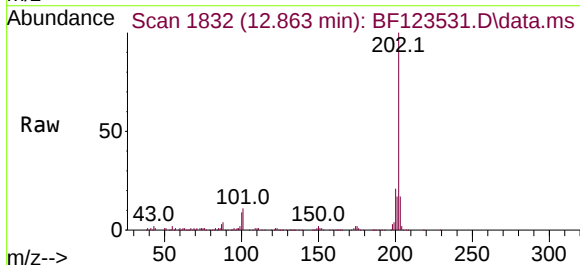
Instrument :
BNA_F
ClientSampled :
IG003

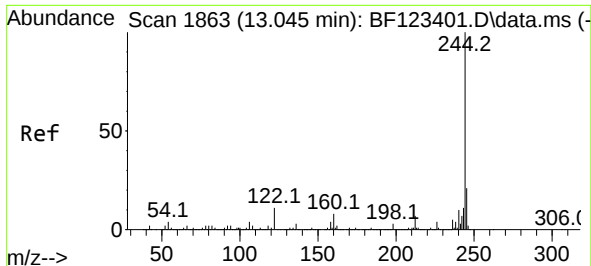
Tgt Ion:184 Resp: 30352
Ion Ratio Lower Upper
184 100
185 16.9 11.8 17.6
183 13.9 9.7 14.5



#78
Pyrene
Concen: 5.23 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion:202 Resp: 170530
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 17.4 14.6 21.8

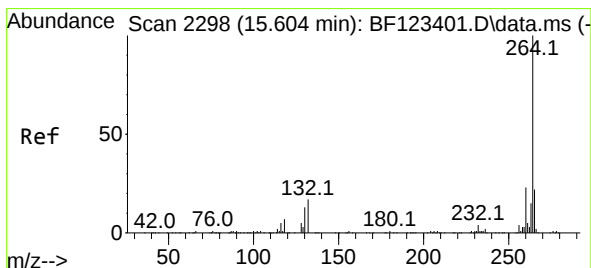
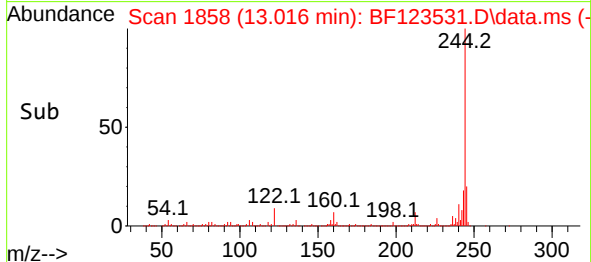
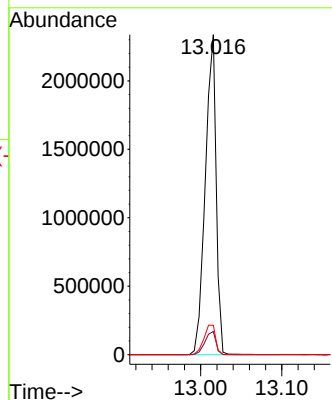
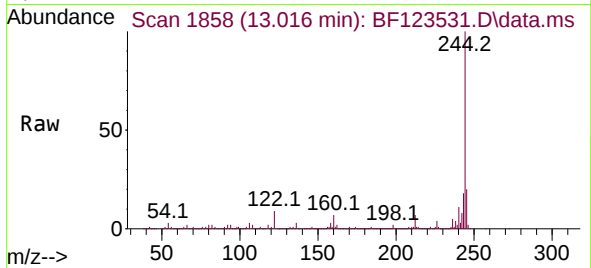




#79
Terphenyl-d14
Concen: 96.98 ng
RT: 13.016 min Scan# 1858
Delta R.T. -0.000 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

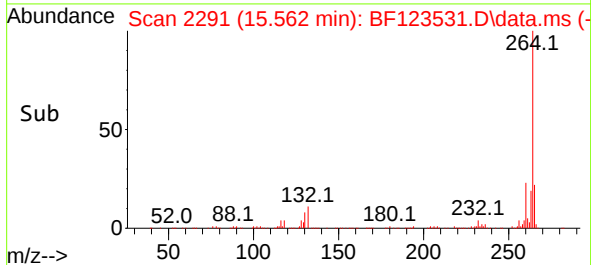
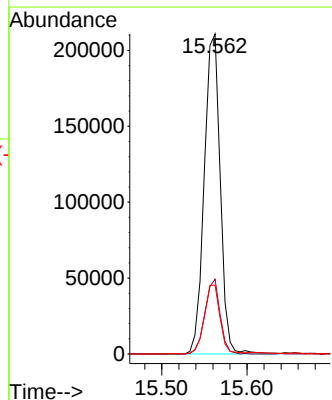
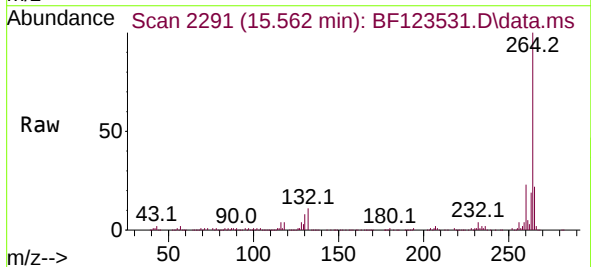
Instrument :
BNA_F
ClientSampled :
IG003

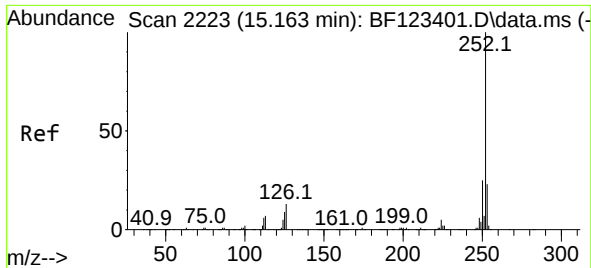
Tgt Ion:244 Resp: 2164407
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 9.2 8.3 12.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion:264 Resp: 275368
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.5 17.0 25.6

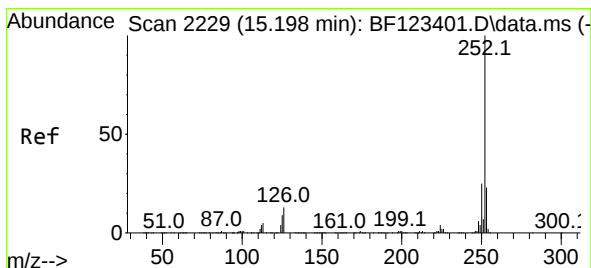
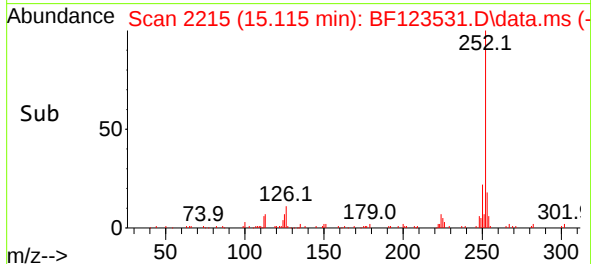
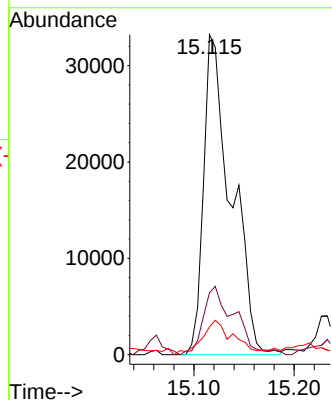
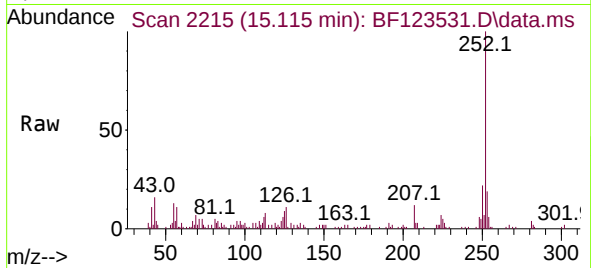




#88
Benzo(b)fluoranthene
Concen: 3.35 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.012 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Instrument :
BNA_F
ClientSampleId :
IG003

Tgt Ion:252	Resp:	63635
Ion Ratio	Lower	Upper
252	100	
253	19.4	18.3 27.5
125	8.7	8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 3.54 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.047 min
Lab File: BF123531.D
Acq: 30 Mar 2021 20:24

Tgt Ion:252	Resp:	63635
Ion Ratio	Lower	Upper
252	100	
253	19.4	17.8 26.8
125	8.7	8.4 12.6

