

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033021\
 Data File : BF123533.D
 Acq On : 30 Mar 2021 21:28
 Operator : JU/CG
 Sample : M1852-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-032921

Quant Time: Mar 31 04:10:24 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)

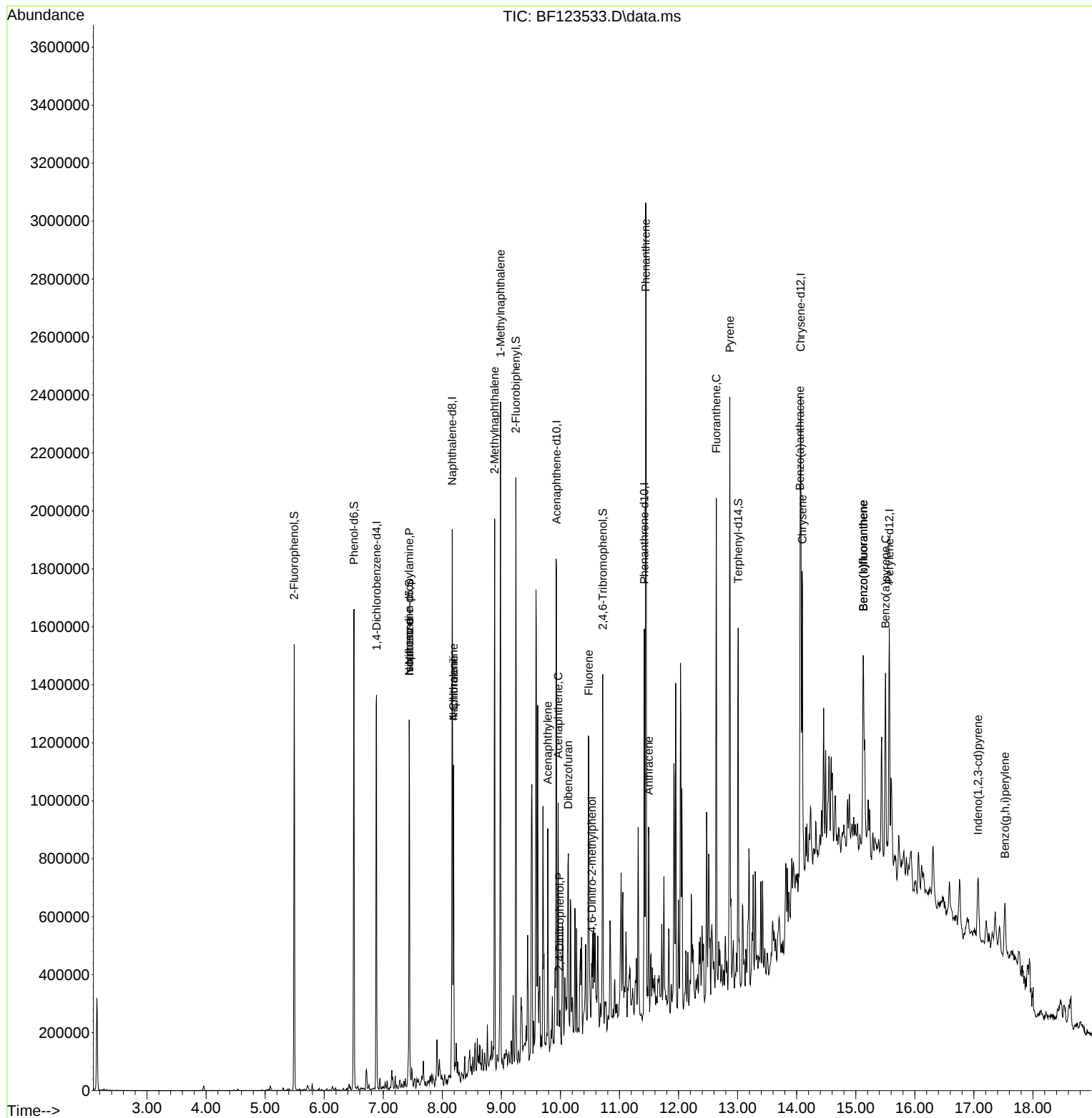
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	195512	20.00	ng	0.00
21) Naphthalene-d8	8.169	136	706182	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	342723	20.00	ng	0.00
64) Phenanthrene-d10	11.422	188	477442	20.00	ng	# 0.00
76) Chrysene-d12	14.068	240	437864	20.00	ng	0.00
86) Perylene-d12	15.568	264	403349	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	314904	26.35	ng	-0.01
7) Phenol-d6	6.504	99	411314	25.85	ng	-0.01
23) Nitrobenzene-d5	7.439	82	340400	26.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	105038	27.41	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	529486	22.07	ng	-0.01
79) Terphenyl-d14	13.010	244	374954	14.51	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	353	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.439	70	49429	4.80	ng	# 82
25) Isophorone	7.439	82	335451	11.92	ng	# 65
31) Naphthalene	8.192	128	374393	9.86	ng	99
33) 4-Chloroaniline	8.192	127	49695	3.19	ng	# 36
37) 2-Methylnaphthalene	8.886	142	420142	16.14	ng	98
38) 1-Methylnaphthalene	8.986	142	501340	20.52	ng	99
49) Acenaphthylene	9.786	152	70818	2.10	ng	# 77
52) Acenaphthene	9.963	154	131879	6.27	ng	95
54) 2,4-Dinitrophenol	9.986	184	107	8.68	ng	# 1
55) Dibenzofuran	10.133	168	67375	2.23	ng	# 79
58) Fluorene	10.480	166	258104	11.30	ng	99
65) 4,6-Dinitro-2-methylph...	10.533	198	155	5.18	ng	# 1
71) Phenanthrene	11.445	178	1067572	40.45	ng	99
72) Anthracene	11.498	178	247723	9.33	ng	96
75) Fluoranthene	12.639	202	596236	20.86	ng	95
78) Pyrene	12.869	202	799566	21.17	ng	99
81) Benzo(a)anthracene	14.057	228	448241	15.64	ng	97
83) Chrysene	14.098	228	456352	15.42	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	154801	6.18	ng	94
88) Benzo(b)fluoranthene	15.127	252	535870	19.26	ng	98
89) Benzo(k)fluoranthene	15.127	252	535870	20.37	ng	98
90) Benzo(a)pyrene	15.504	252	327999	13.65	ng	97
92) Benzo(g,h,i)perylene	17.527	276	150592	7.07	ng	96

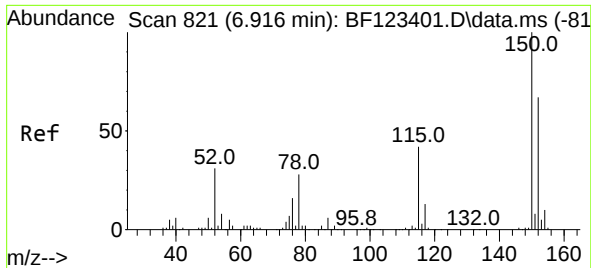
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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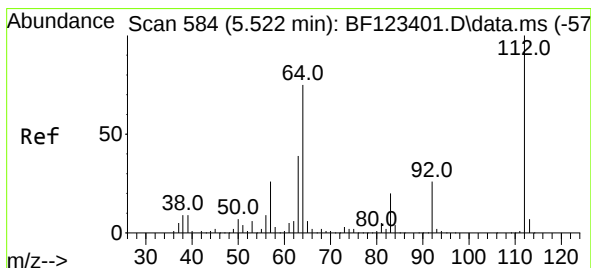
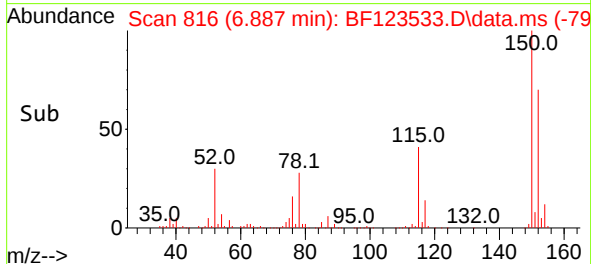
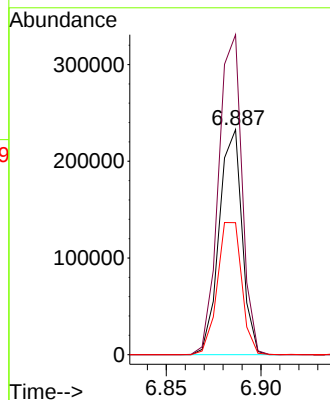
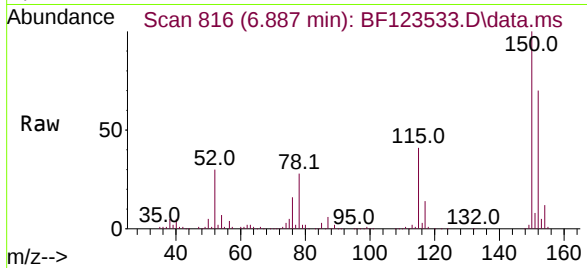




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

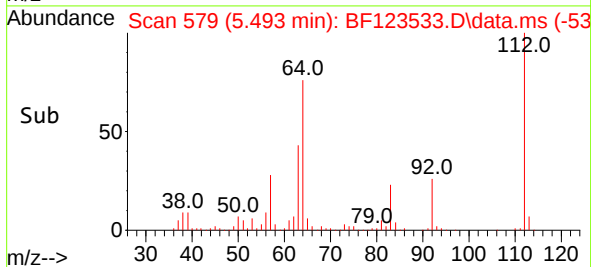
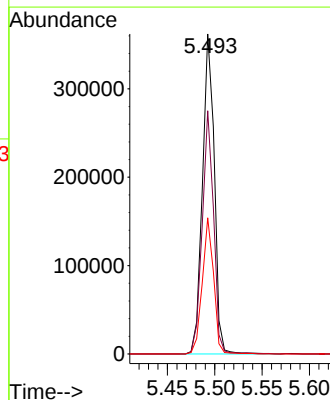
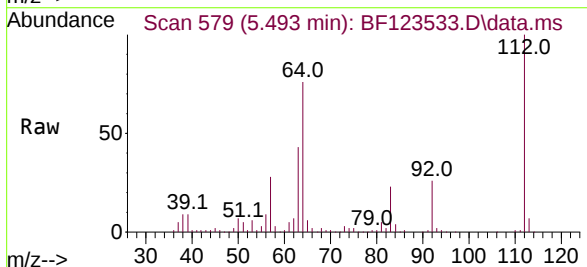
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

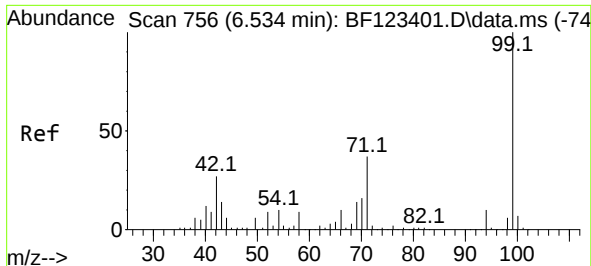
Tgt Ion:152 Resp: 195512
Ion Ratio Lower Upper
152 100
150 142.2 125.8 188.6
115 58.6 49.3 73.9



#5
2-Fluorophenol
Concen: 26.35 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:112 Resp: 314904
Ion Ratio Lower Upper
112 100
64 76.0 46.9 70.3#
63 42.6 24.5 36.7#

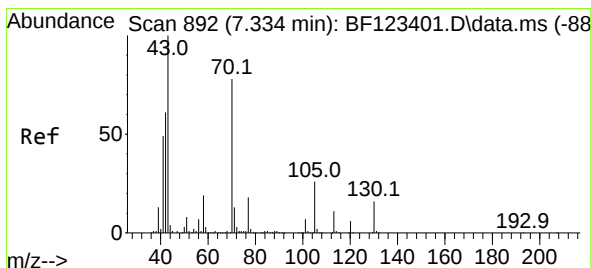
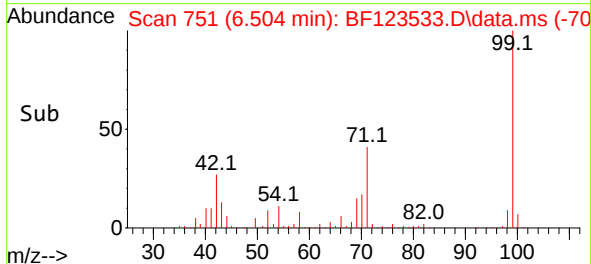
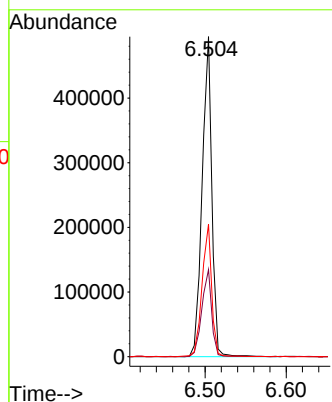
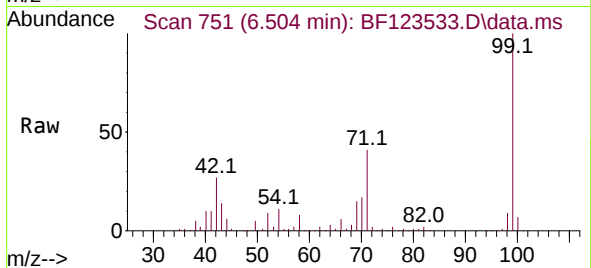




#7
Phenol-d6
Concen: 25.85 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

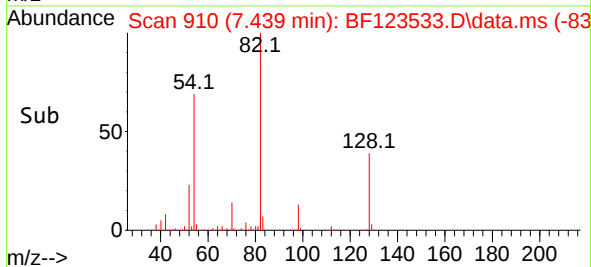
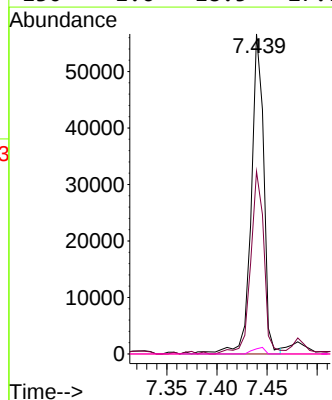
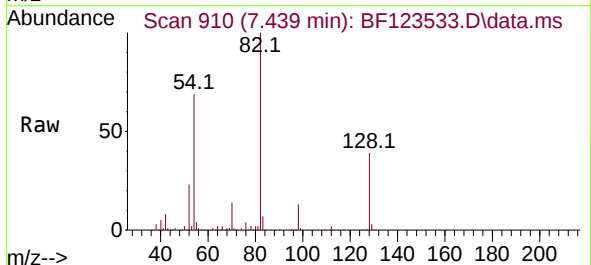
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ClientSampleId :
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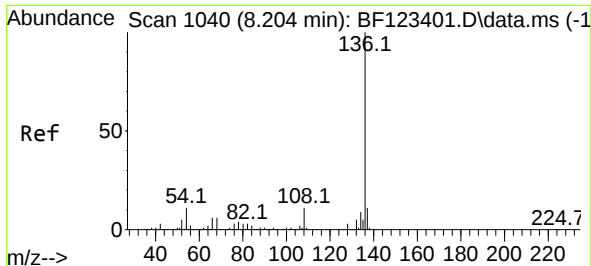
Tgt Ion: 99 Resp: 411314
Ion Ratio Lower Upper
99 100
42 27.2 13.8 20.6#
71 41.4 26.9 40.3#



#19
n-Nitroso-di-n-propylamine
Concen: 4.80 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.129 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

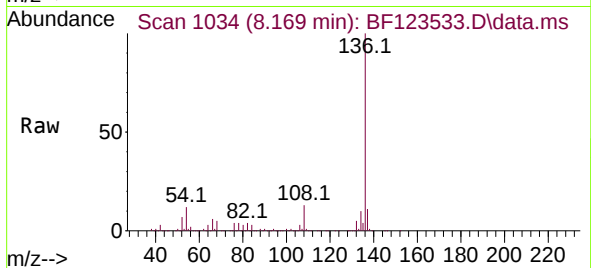
Tgt Ion: 70 Resp: 49429
Ion Ratio Lower Upper
70 100
42 57.1 43.0 64.4
101 0.0 7.9 11.9#
130 1.6 18.5 27.7#



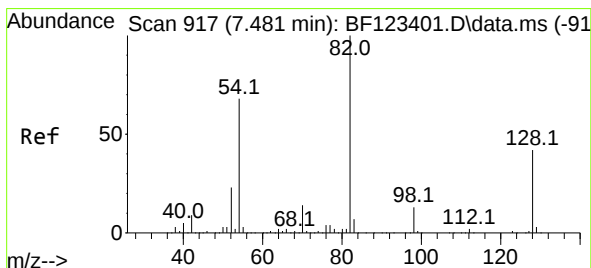
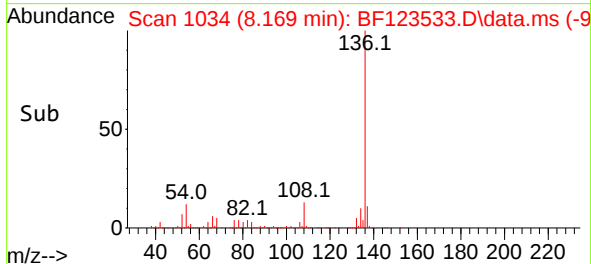
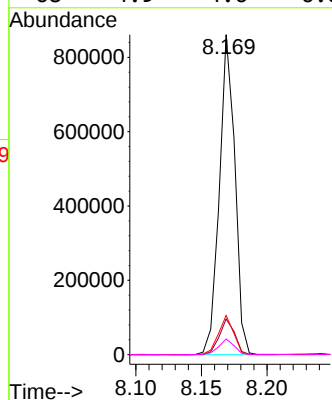


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Instrument :
BNA_F
ClientSampleId :
OR-03-032921

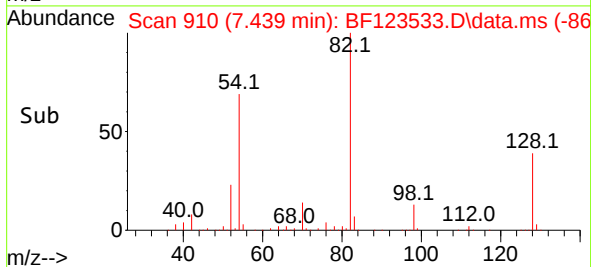
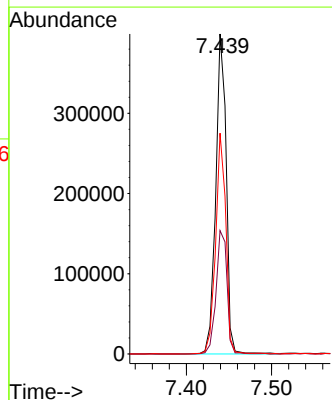
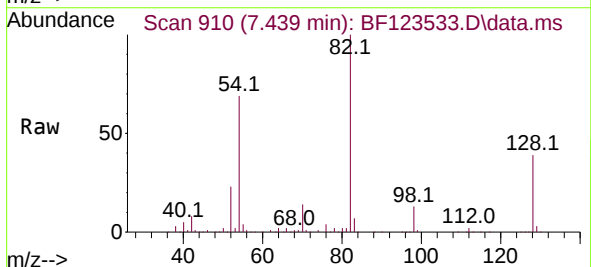


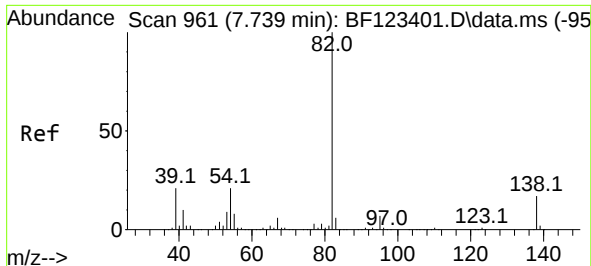
Tgt Ion:136 Resp: 706182
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 12.3 5.5 8.3#
68 4.9 4.6 6.8



#23
Nitrobenzene-d5
Concen: 26.02 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion: 82 Resp: 340400
Ion Ratio Lower Upper
82 100
128 38.5 37.0 55.4
54 69.0 38.4 57.6#

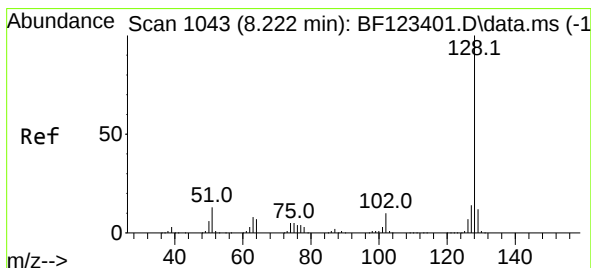
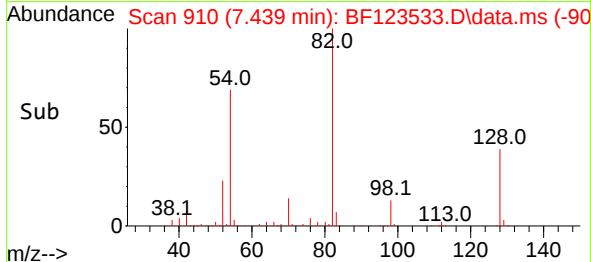
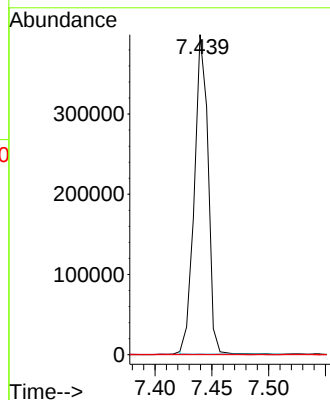
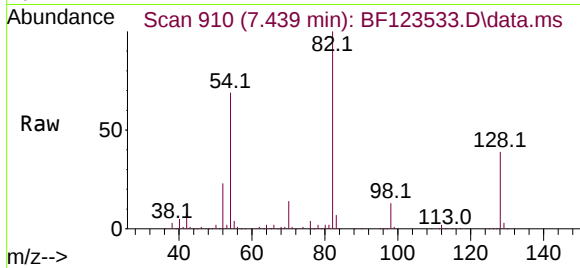




#25
Isophorone
Concen: 11.92 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.276 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

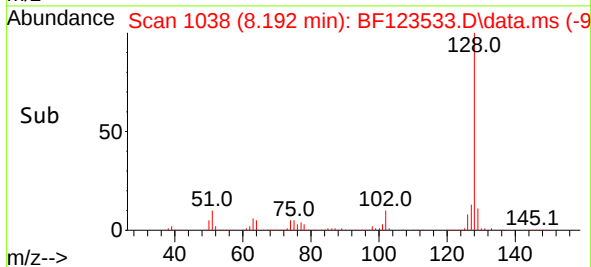
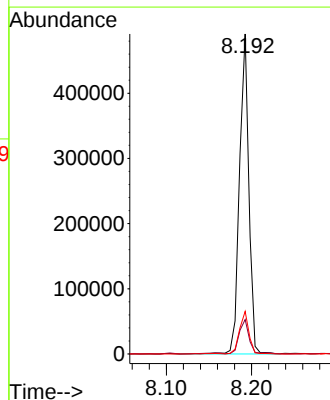
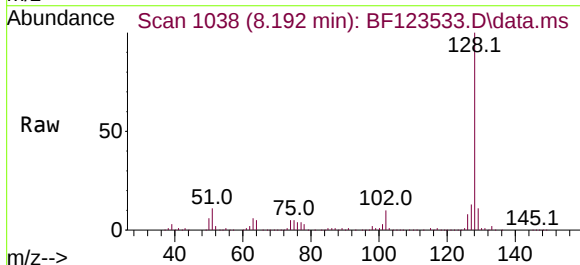
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ClientSampleId :
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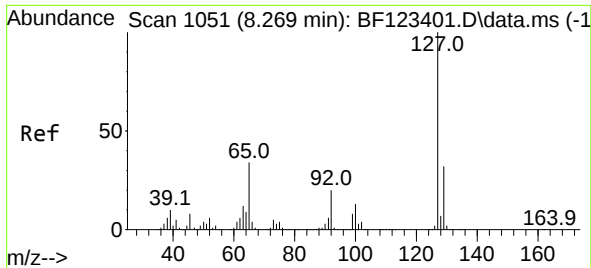
Tgt Ion: 82 Resp: 335451
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.6#
138 0.0 14.6 21.8#



#31
Naphthalene
Concen: 9.86 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion: 128 Resp: 374393
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.3 10.7 16.1

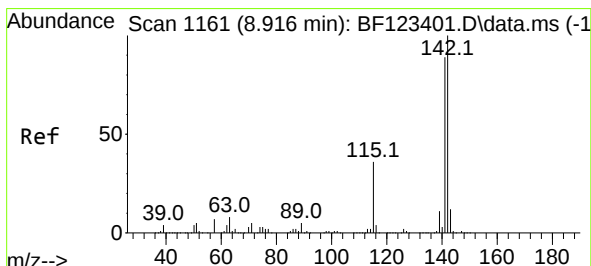
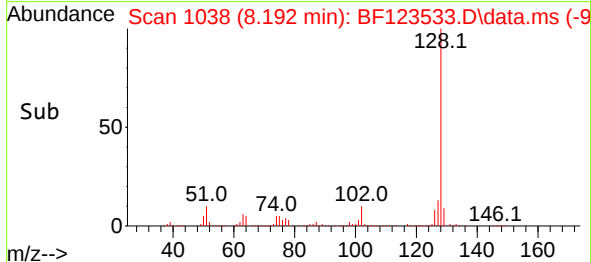
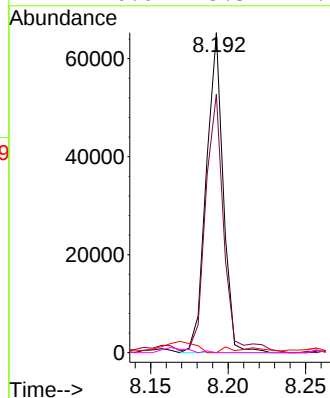
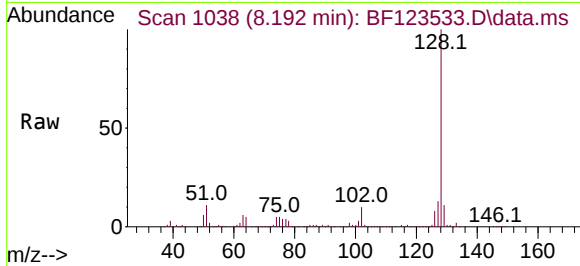




#33
4-Chloroaniline
Concen: 3.19 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.053 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

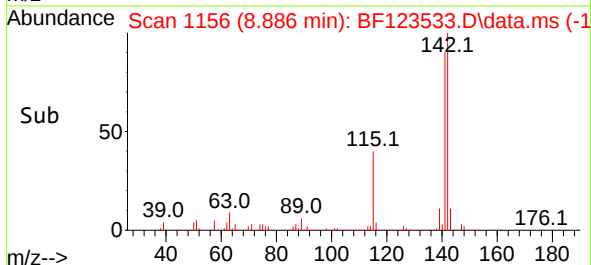
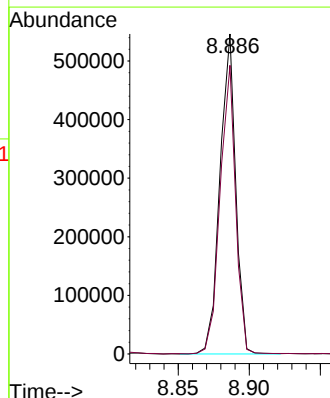
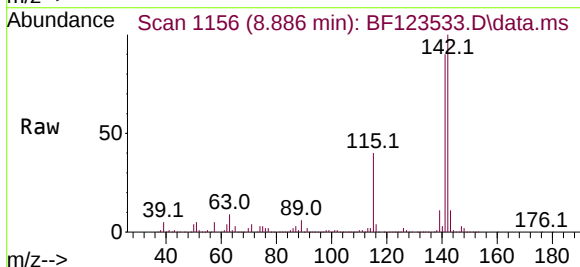
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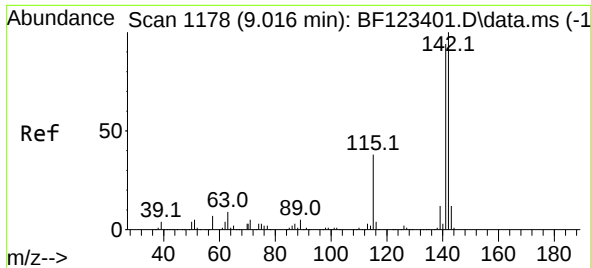
Tgt Ion:127	Resp:	49695
Ion Ratio	Lower	Upper
127	100	
129	80.8	26.2 39.2#
65	0.0	22.2 33.2#
92	0.0	15.3 22.9#



#37
2-Methylnaphthalene
Concen: 16.14 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:142	Resp:	420142
Ion Ratio	Lower	Upper
142	100	
141	90.2	70.6 106.0

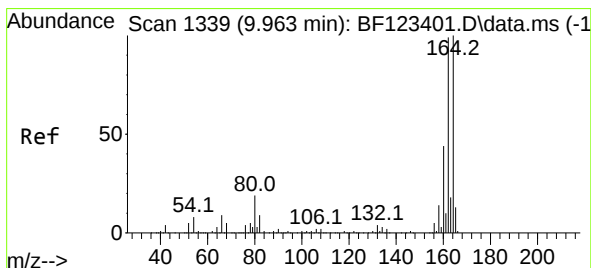
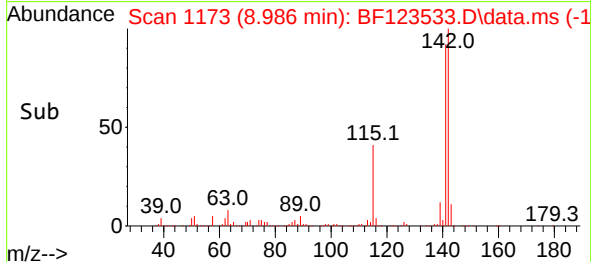
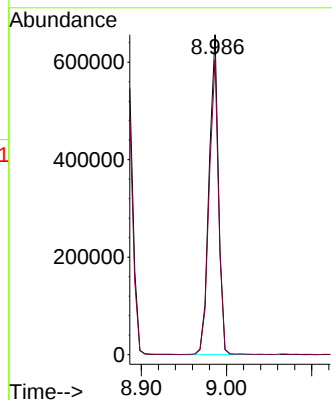
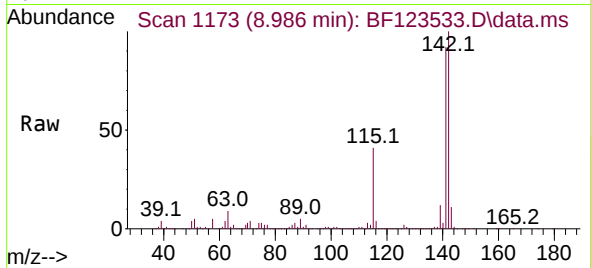




#38
1-Methylnaphthalene
Concen: 20.52 ng
RT: 8.986 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

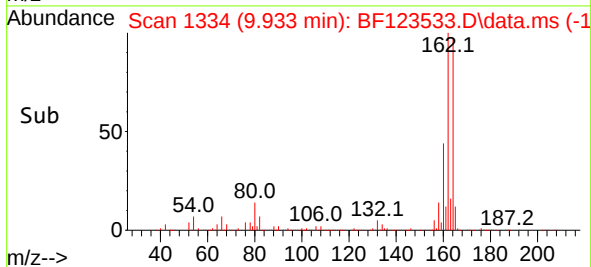
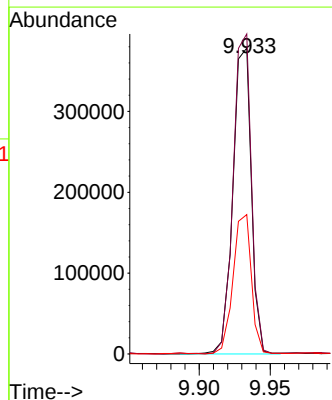
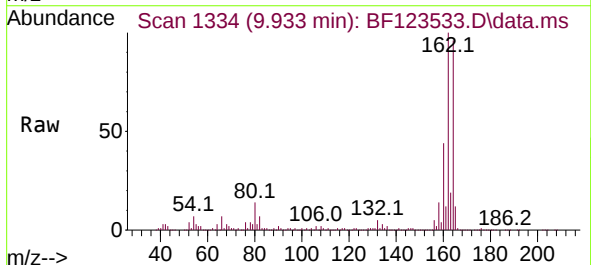
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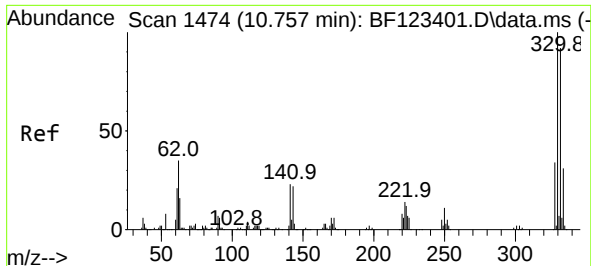
Tgt Ion:142 Resp: 501340
Ion Ratio Lower Upper
142 100
141 92.3 74.5 111.7



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:164 Resp: 342723
Ion Ratio Lower Upper
164 100
162 104.6 80.8 121.2
160 45.6 35.4 53.0

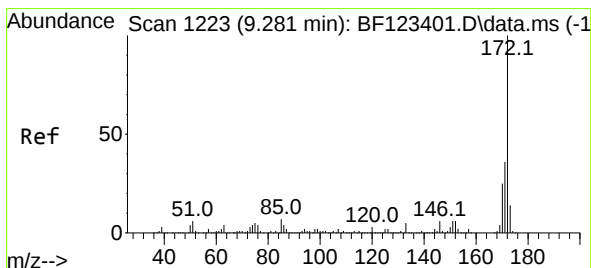
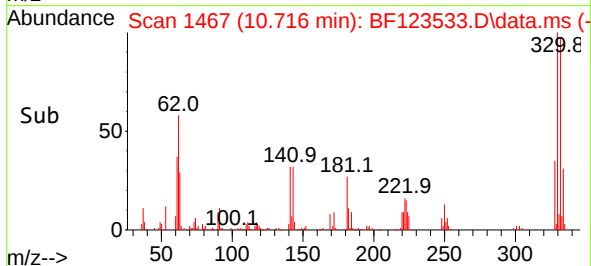
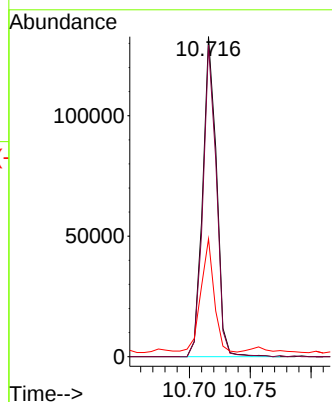
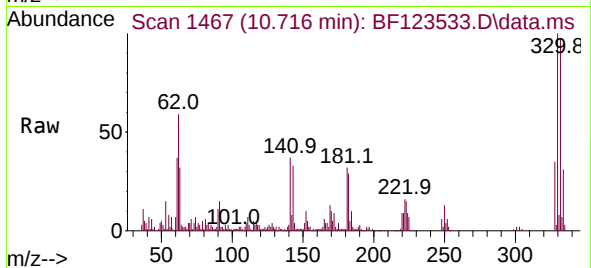




#42
 2,4,6-Tribromophenol
 Concen: 27.41 ng
 RT: 10.716 min Scan# 1467
 Delta R.T. -0.012 min
 Lab File: BF123533.D
 Acq: 30 Mar 2021 21:28

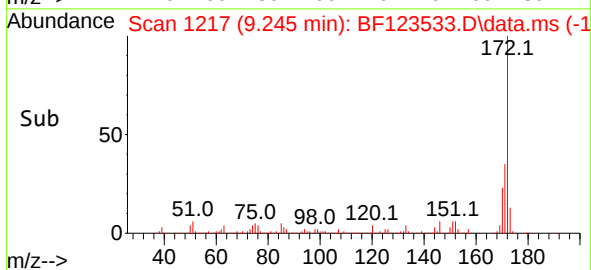
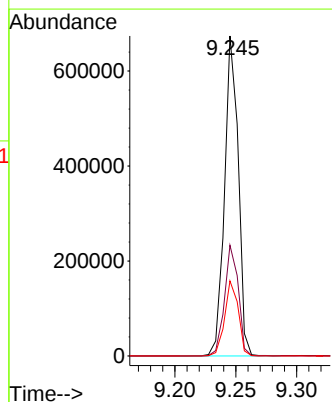
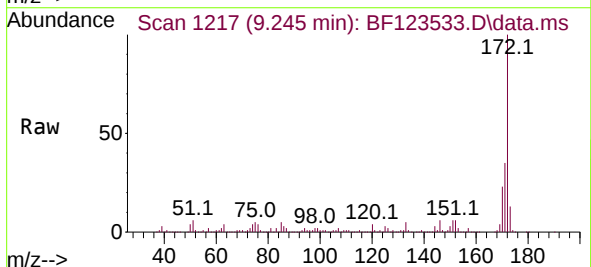
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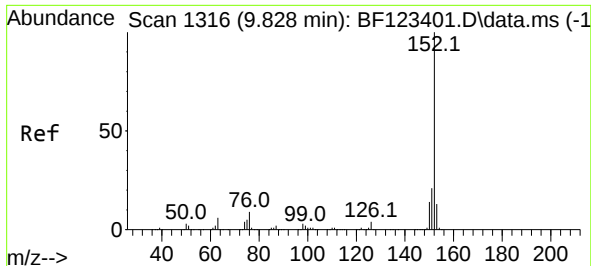
Tgt Ion: 330 Resp: 105038
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.5 116.3
 141 34.0 23.8 35.8



#45
 2-Fluorobiphenyl
 Concen: 22.07 ng
 RT: 9.245 min Scan# 1217
 Delta R.T. -0.012 min
 Lab File: BF123533.D
 Acq: 30 Mar 2021 21:28

Tgt Ion: 172 Resp: 529486
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.6 44.4
 170 23.4 19.5 29.3





#49

Acenaphthylene

Concen: 2.10 ng

RT: 9.786 min Scan# 1309

Delta R.T. -0.012 min

Lab File: BF123533.D

Acq: 30 Mar 2021 21:28

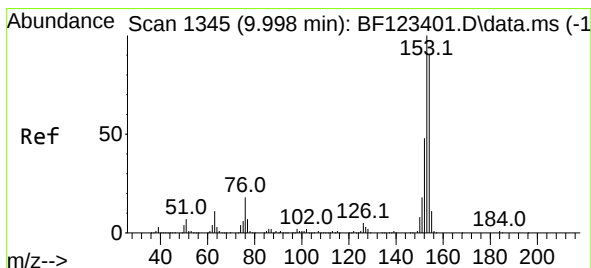
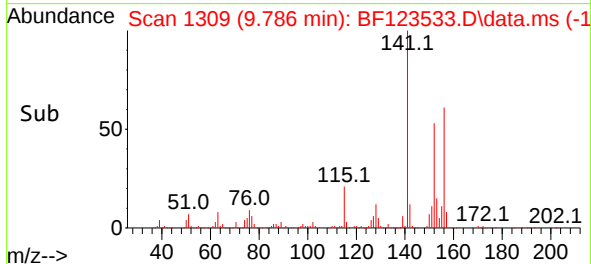
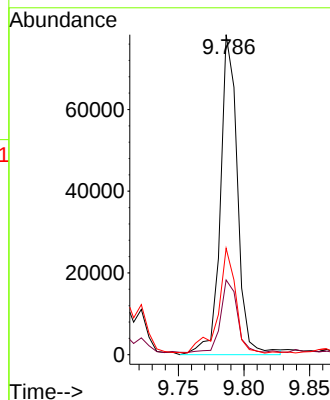
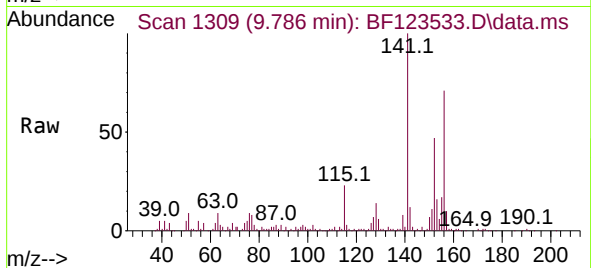
Instrument :

BNA_F

ClientSampleId :

OR-03-032921

Tgt Ion:152	Resp:	70818
Ion Ratio	Lower	Upper
152	100	
151	23.3	16.6 25.0
153	33.2	10.9 16.3#



#52

Acenaphthene

Concen: 6.27 ng

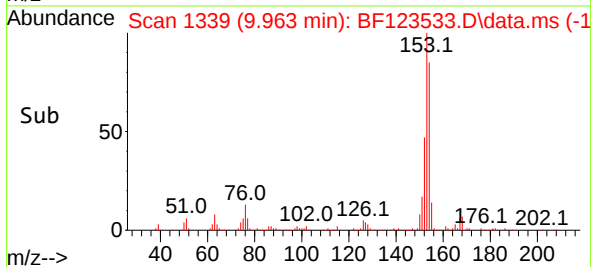
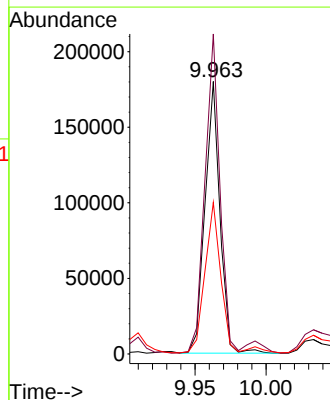
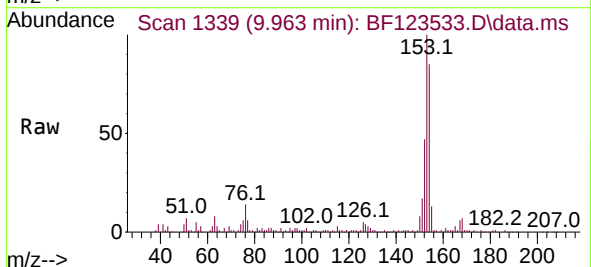
RT: 9.963 min Scan# 1339

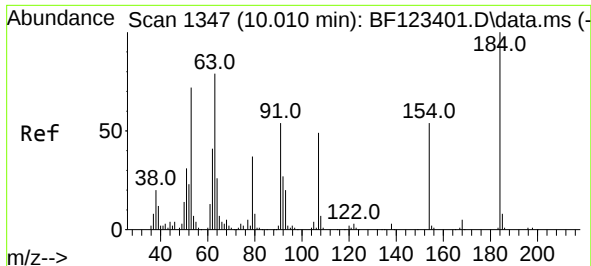
Delta R.T. -0.012 min

Lab File: BF123533.D

Acq: 30 Mar 2021 21:28

Tgt Ion:154	Resp:	131879
Ion Ratio	Lower	Upper
154	100	
153	117.4	89.0 133.6
152	55.6	42.7 64.1

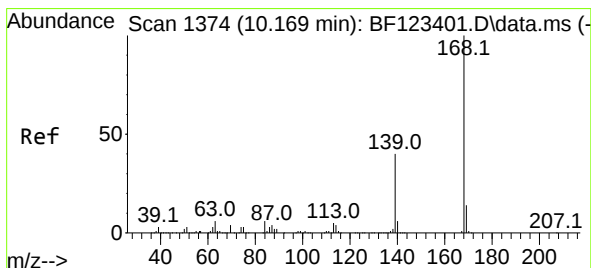
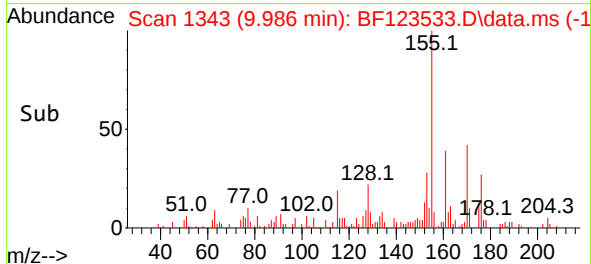
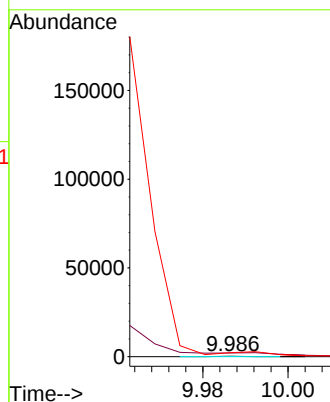
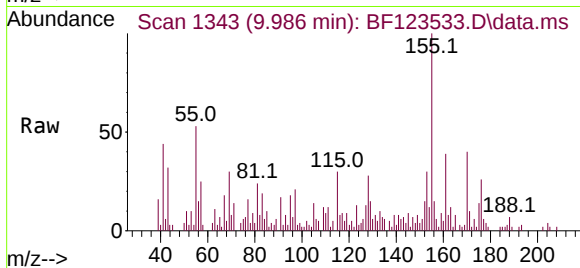




#54
2,4-Dinitrophenol
Concen: 8.68 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

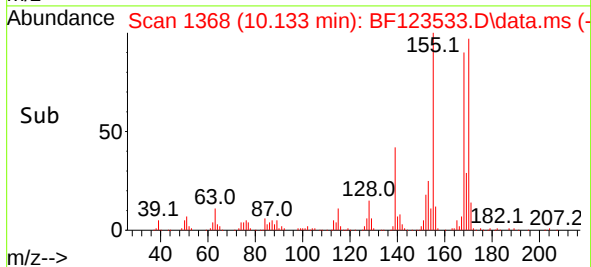
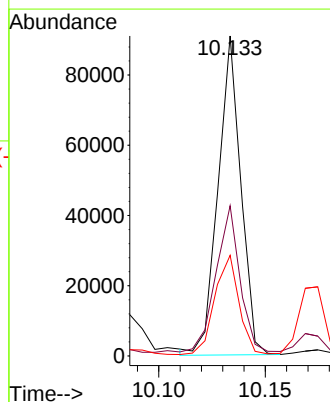
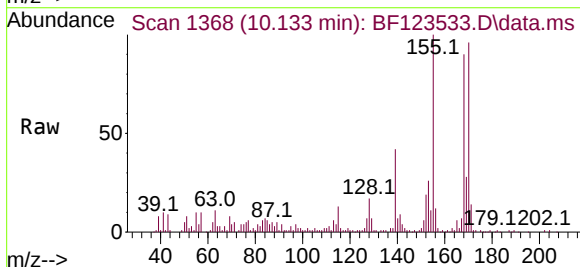
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

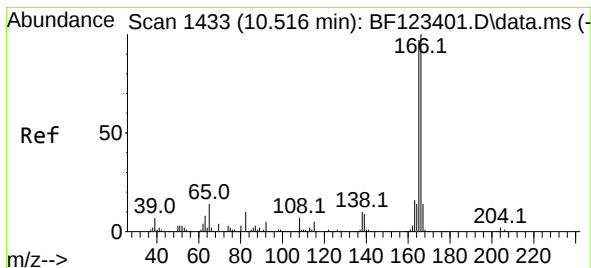
Tgt Ion:184 Resp: 107
Ion Ratio Lower Upper
184 100
63 694.1 51.4 77.2#
154 755.9 49.7 74.5#



#55
Dibenzofuran
Concen: 2.23 ng
RT: 10.133 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:168 Resp: 67375
Ion Ratio Lower Upper
168 100
139 47.0 31.3 46.9#
169 31.5 11.2 16.8#

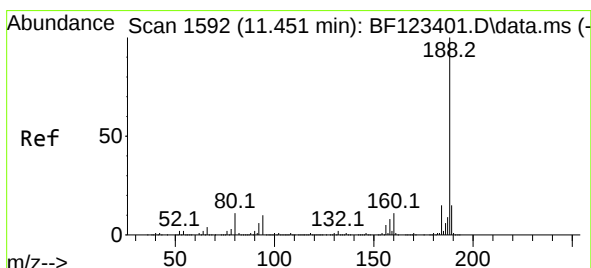
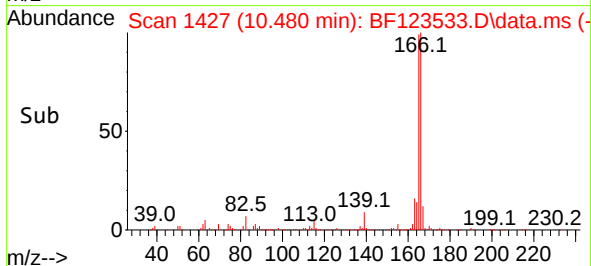
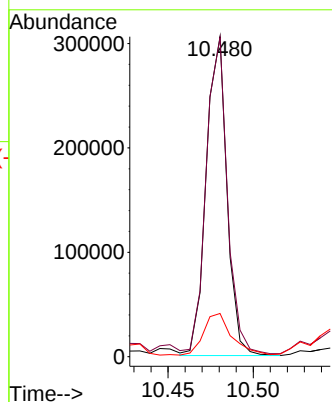
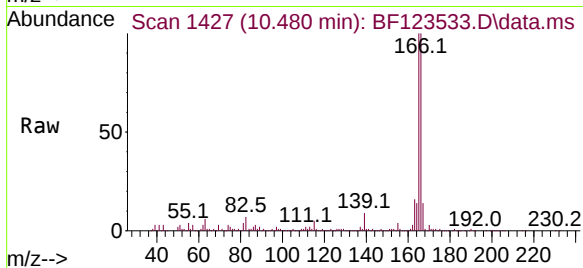




#58
Fluorene
Concen: 11.30 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

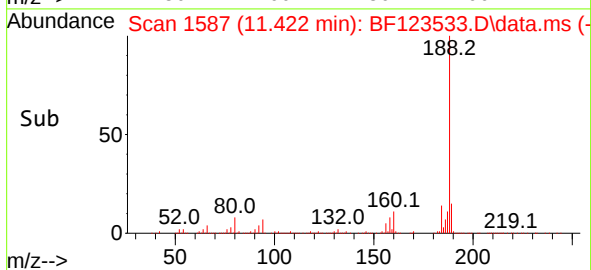
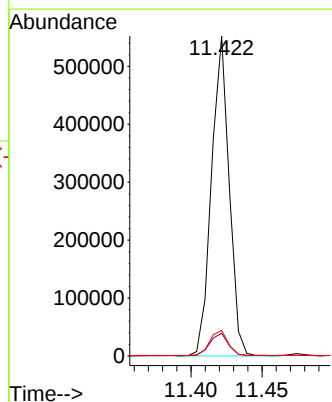
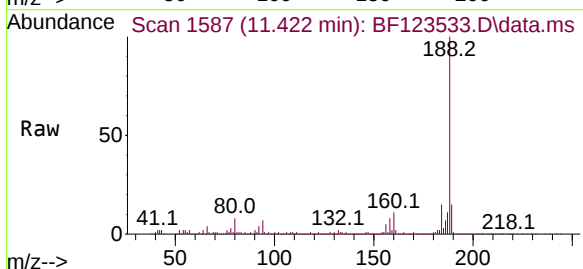
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

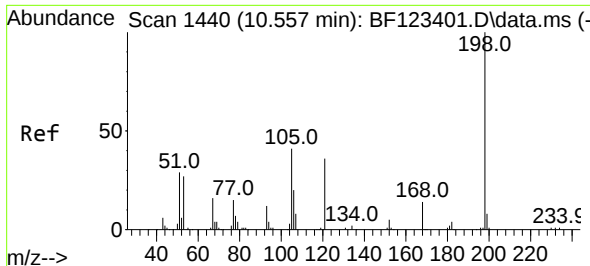
Tgt Ion:166 Resp: 258104
Ion Ratio Lower Upper
166 100
165 99.7 79.4 119.0
167 13.5 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:188 Resp: 477442
Ion Ratio Lower Upper
188 100
94 7.1 7.4 11.2#
80 8.0 8.2 12.4#

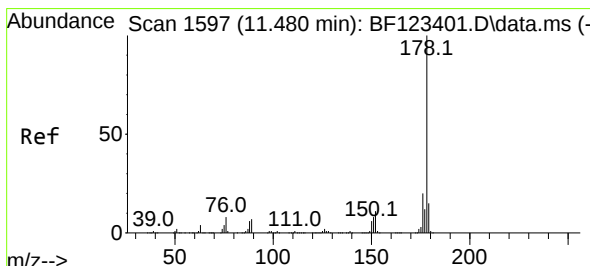
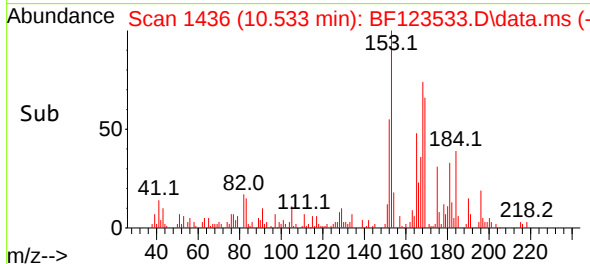
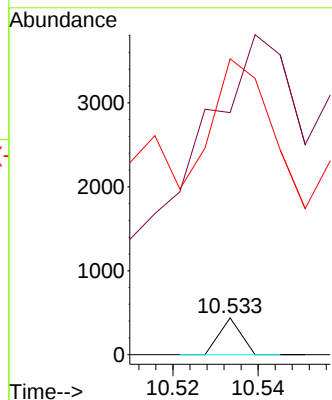
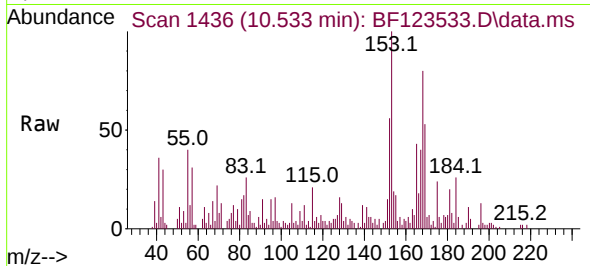




#65
4,6-Dinitro-2-methylphenol
Concen: 5.18 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

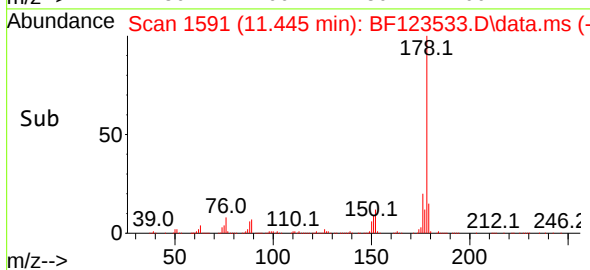
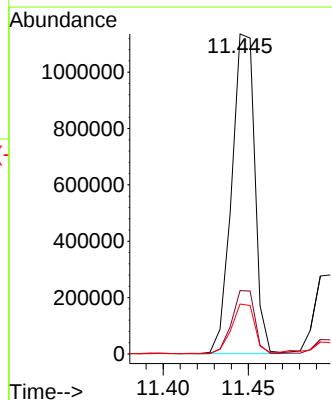
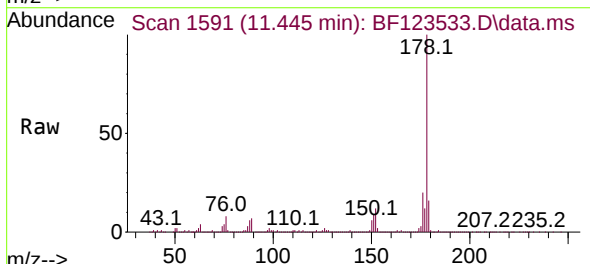
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

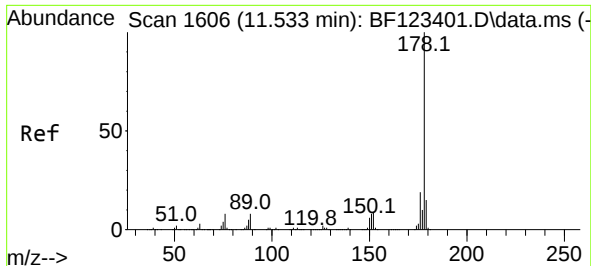
Tgt Ion:198 Resp: 155
Ion Ratio Lower Upper
198 100
51 658.4 20.3 60.3#
105 804.8 23.0 63.0#



#71
Phenanthrene
Concen: 40.45 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:178 Resp: 1067572
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.6 12.7 19.1

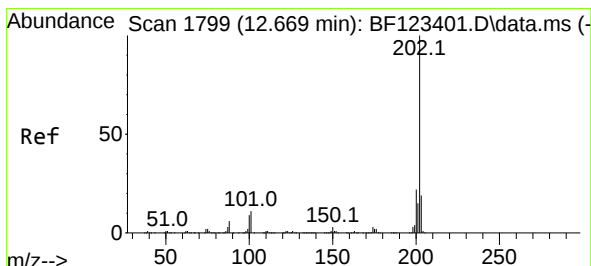
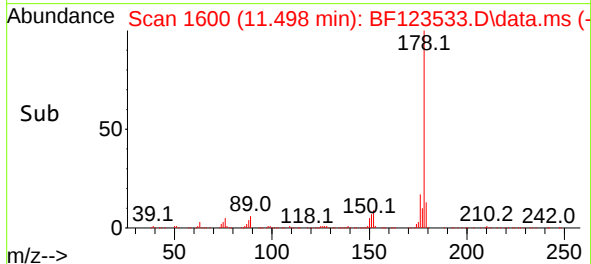
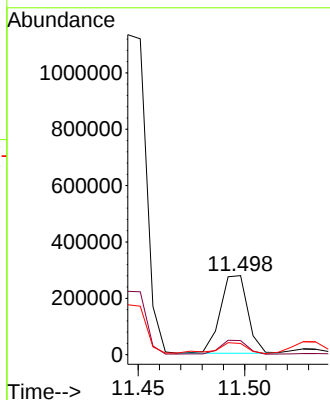
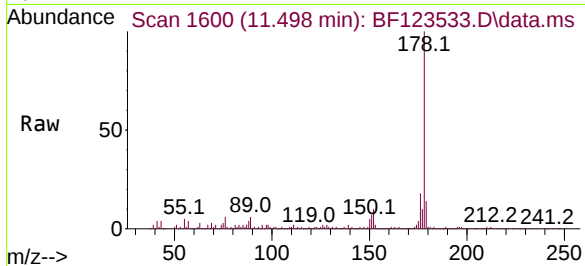




#72
 Anthracene
 Concen: 9.33 ng
 RT: 11.498 min Scan# 1600
 Delta R.T. -0.006 min
 Lab File: BF123533.D
 Acq: 30 Mar 2021 21:28

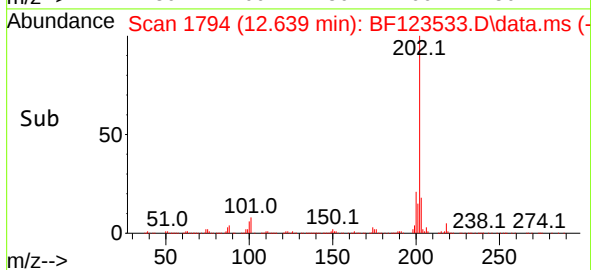
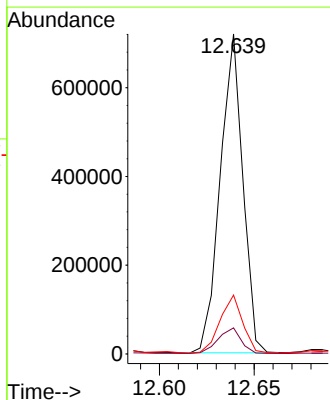
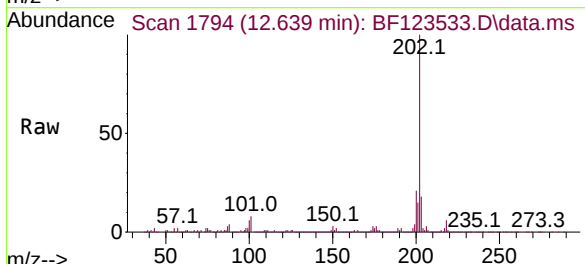
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-032921

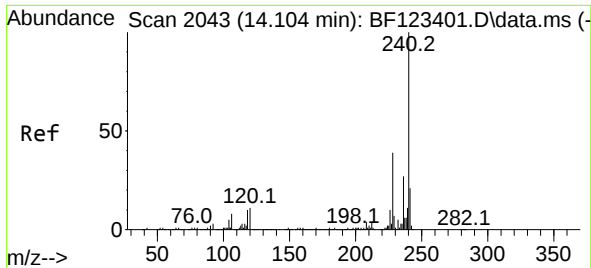
Tgt Ion:178 Resp: 247723
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.6 23.4
 179 14.2 12.8 19.2



#75
 Fluoranthene
 Concen: 20.86 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: BF123533.D
 Acq: 30 Mar 2021 21:28

Tgt Ion:202 Resp: 596236
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 32.2
 203 18.4 0.0 38.1

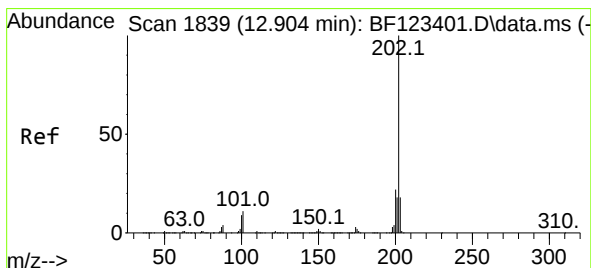
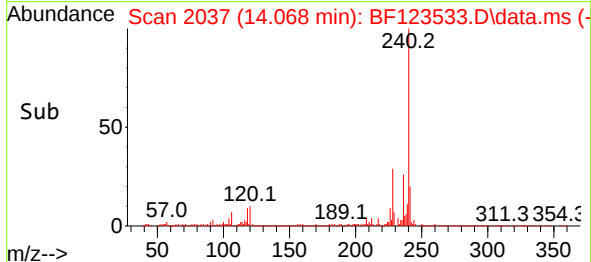
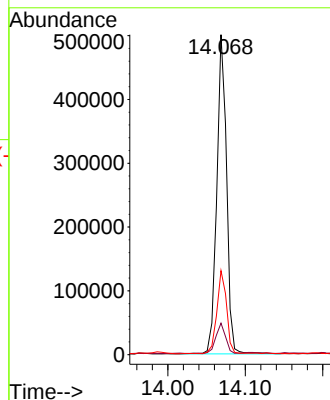
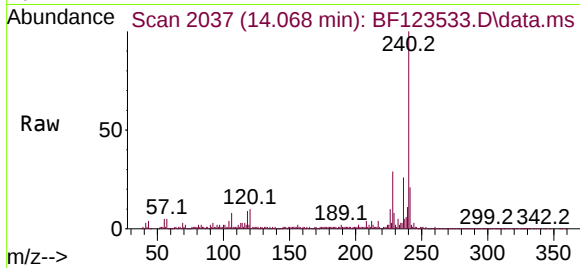




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

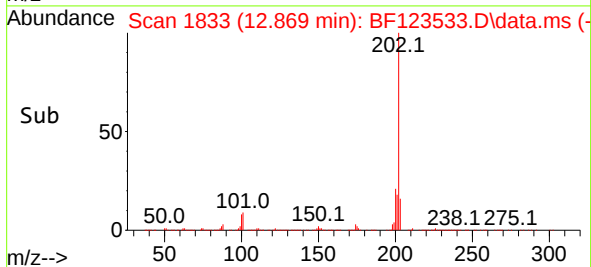
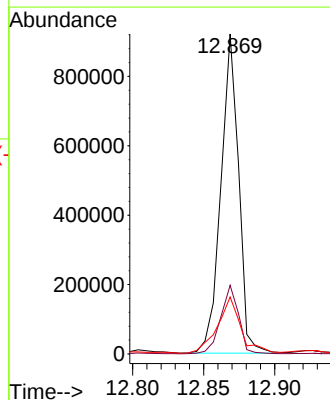
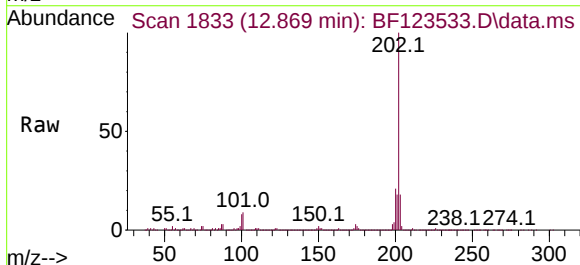
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

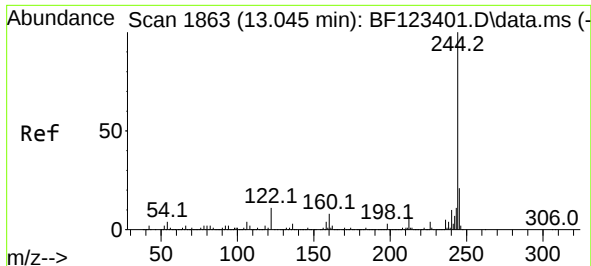
Tgt Ion:240	Resp: 437864
Ion Ratio	Lower Upper
240	100
120	9.8 8.6 12.8
236	26.3 20.3 30.5



#78
Pyrene
Concen: 21.17 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:202	Resp: 799566
Ion Ratio	Lower Upper
202	100
200	21.5 17.6 26.4
203	17.8 14.6 21.8

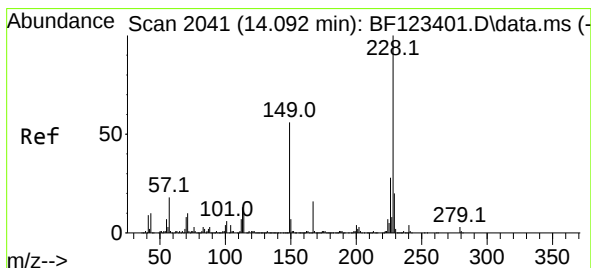
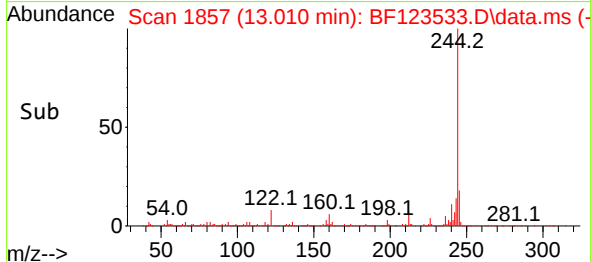
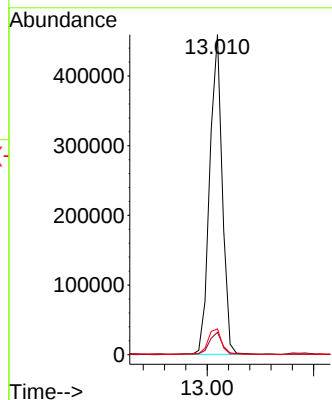
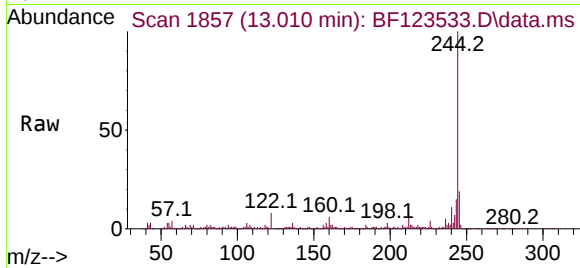




#79
Terphenyl-d14
Concen: 14.51 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

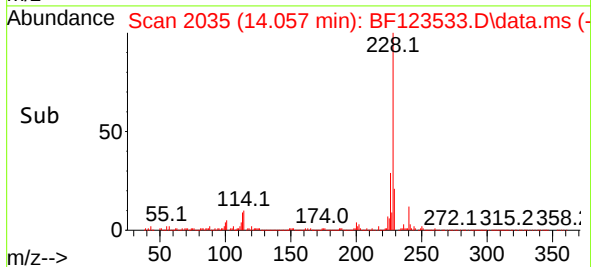
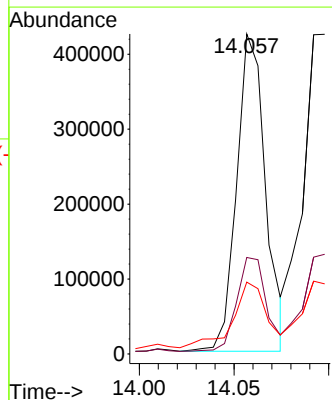
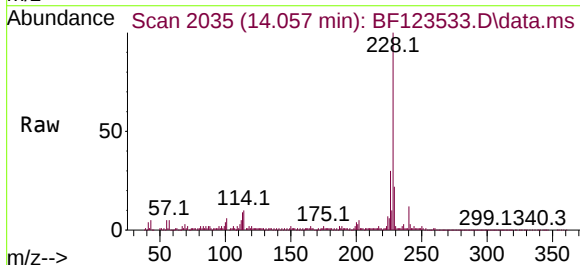
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

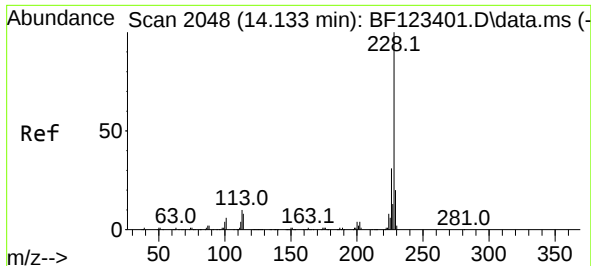
Tgt Ion:244 Resp: 374954
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 8.1 8.3 12.5#



#81
Benzo(a)anthracene
Concen: 15.64 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:228 Resp: 448241
Ion Ratio Lower Upper
228 100
226 30.1 23.0 34.4
229 22.4 16.6 24.8

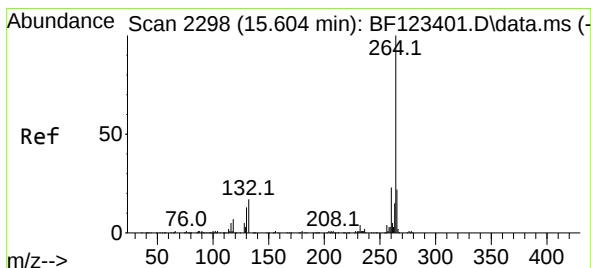
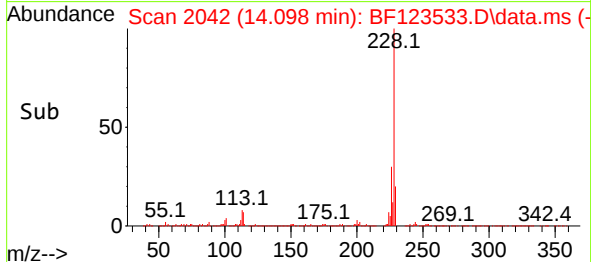
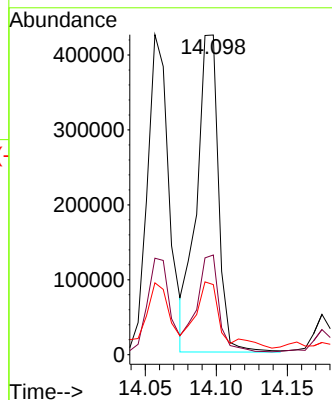
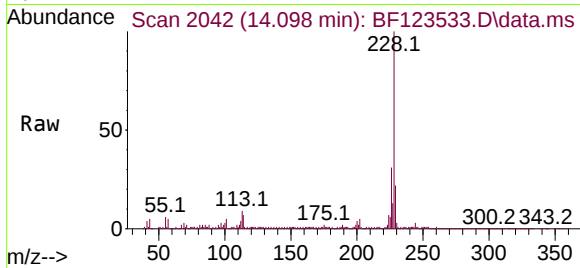




#83
Chrysene
Concen: 15.42 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

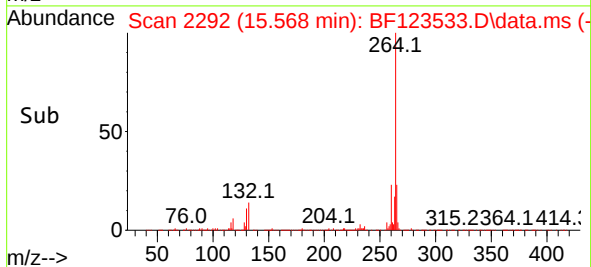
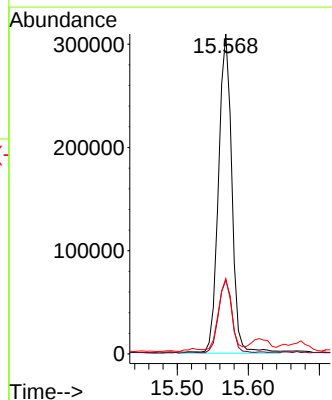
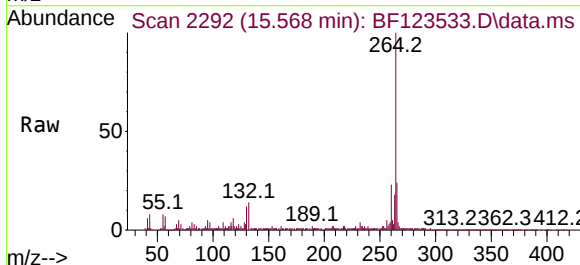
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

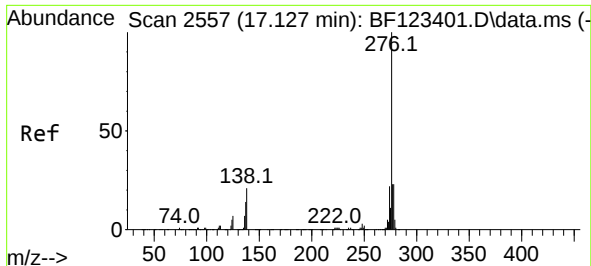
Tgt Ion:228 Resp: 456352
Ion Ratio Lower Upper
228 100
226 31.2 24.6 36.8
229 21.9 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:264 Resp: 403349
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 23.6 17.0 25.6

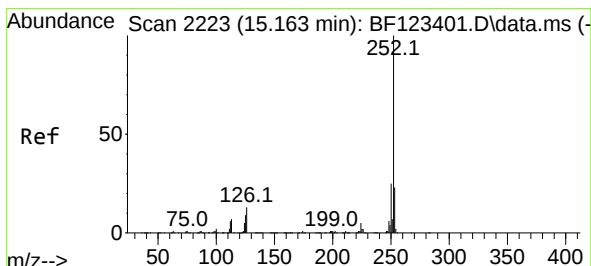
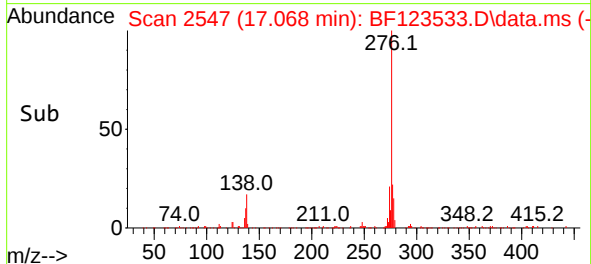
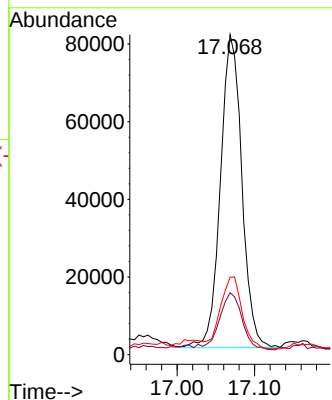
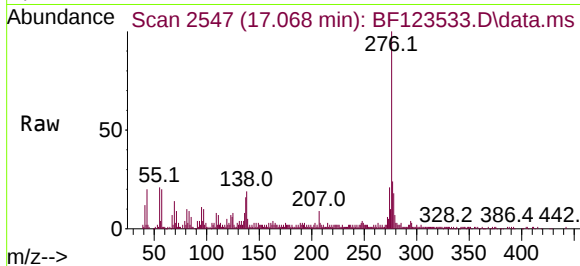




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.18 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.006 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

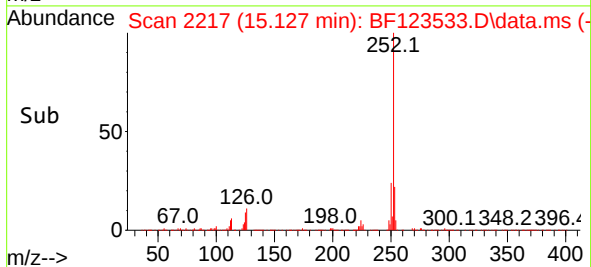
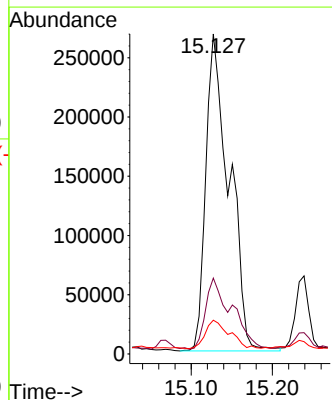
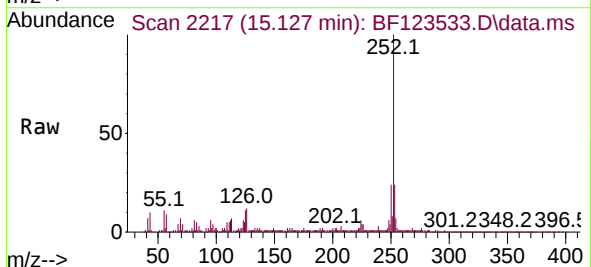
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

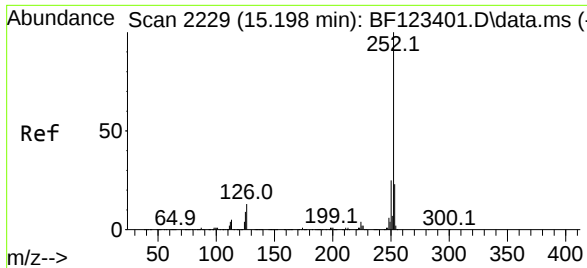
Tgt Ion:276 Resp: 154801
Ion Ratio Lower Upper
276 100
138 19.5 18.7 28.1
277 23.5 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 19.26 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:252 Resp: 535870
Ion Ratio Lower Upper
252 100
253 23.7 18.3 27.5
125 10.6 8.1 12.1

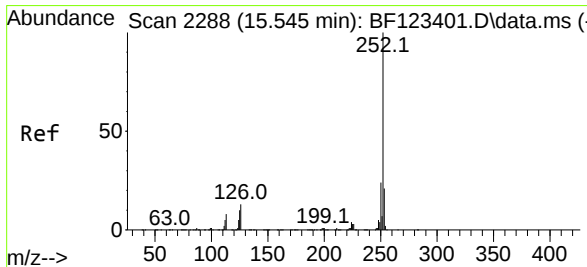
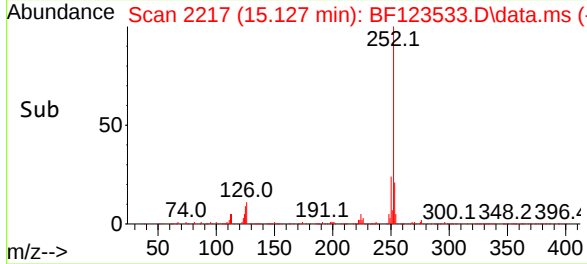
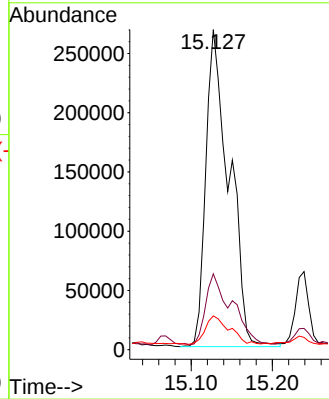
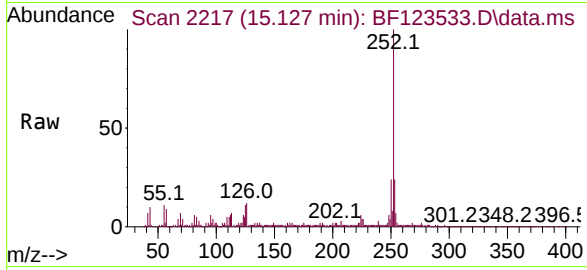




#89
Benzo(k)fluoranthene
Concen: 20.37 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.035 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

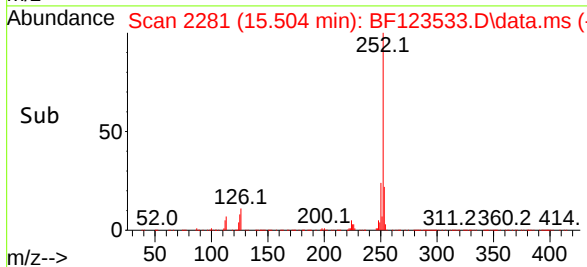
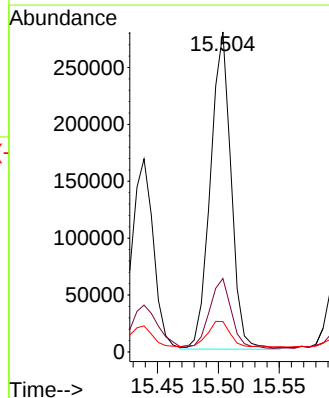
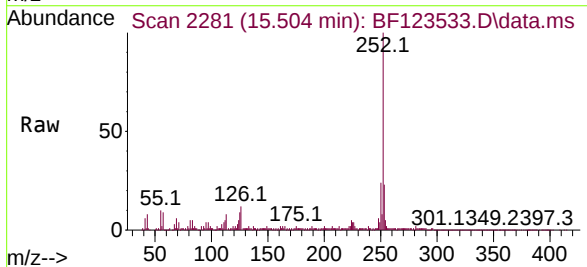
Instrument :
BNA_F
ClientSampleId :
OR-03-032921

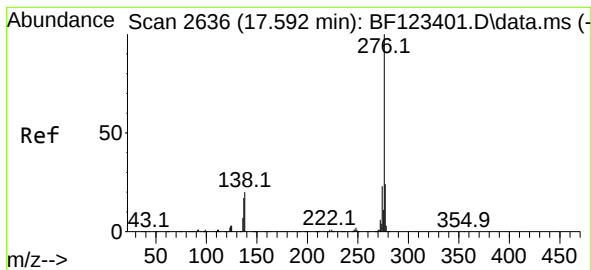
Tgt Ion:252 Resp: 535870
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 10.6 8.4 12.6



#90
Benzo(a)pyrene
Concen: 13.65 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF123533.D
Acq: 30 Mar 2021 21:28

Tgt Ion:252 Resp: 327999
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.5 8.6 12.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.07 ng
 RT: 17.527 min Scan# 2625
 Delta R.T. -0.012 min
 Lab File: BF123533.D
 Acq: 30 Mar 2021 21:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-032921

Tgt Ion:276 Resp: 150592
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.3 28.9
 138 18.2 16.6 24.8

