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 Data File : BF123221.D
 Acq On : 17 Feb 2021 19:55
 Operator : JU/CG
 Sample : M1427-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

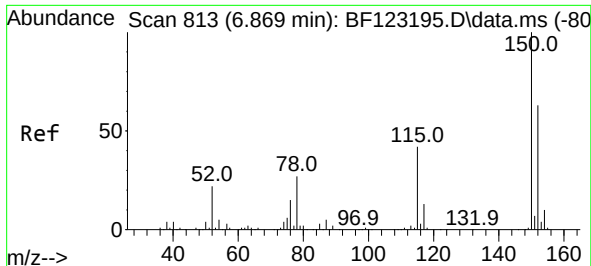
Instrument :
 BNA_F
 ClientSampleId :
 T359-171187

Quant Time: Feb 18 06:38:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 12 16:59:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	144340	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	552670	20.00	ng	0.00
39) Acenaphthene-d10	9.928	164	226920	20.00	ng	0.01
64) Phenanthrene-d10	11.451	188	243890	20.00	ng	# 0.05
76) Chrysene-d12	14.068	240	302179	20.00	ng	0.01
86) Perylene-d12	15.539	264	330893	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	115456	12.12	ng	0.00
7) Phenol-d6	6.487	99	134454	10.69	ng	-0.01
23) Nitrobenzene-d5	7.428	82	81170	7.72	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	22126	9.03	ng	0.03
45) 2-Fluorobiphenyl	9.233	172	150913	9.94	ng	0.00
79) Terphenyl-d14	13.021	244	103952	6.89	ng	0.02
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.333	154	50707	2.77	ng	93
51) 2,6-Dinitrotoluene	9.704	165	11682	2.95	ng	# 66
56) 4-Nitrophenol	10.045	139	22082	5.71	ng	# 1
57) 2,4-Dinitrotoluene	10.133	165	23937	4.48	ng	# 59
58) Fluorene	10.492	166	80273	4.99	ng	# 16
61) 4-Chlorophenyl-phenyle...	10.516	204	18061	2.52	ng	# 1
62) 4-Nitroaniline	10.404	138	44133	9.31	ng	89
65) 4,6-Dinitro-2-methylph...	10.498	198	19130	12.17	ng	# 1
66) n-Nitrosodiphenylamine	10.616	169	117981	14.32	ng	# 58
69) Atrazine	11.127	200	5965	2.43	ng	# 1
70) Pentachlorophenol	11.298	266	16399	9.28	ng	# 34
71) Phenanthrene	11.480	178	345498	24.04	ng	# 50
72) Anthracene	11.575	178	134681	9.38	ng	# 1
74) Di-n-butylphthalate	12.016	149	79828	5.42	ng	# 19

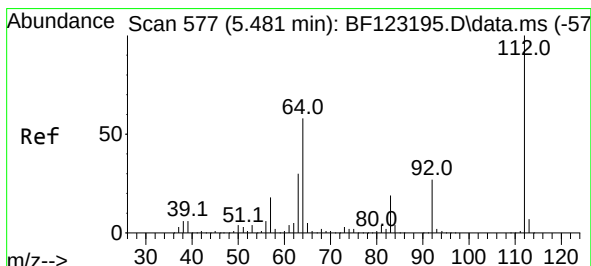
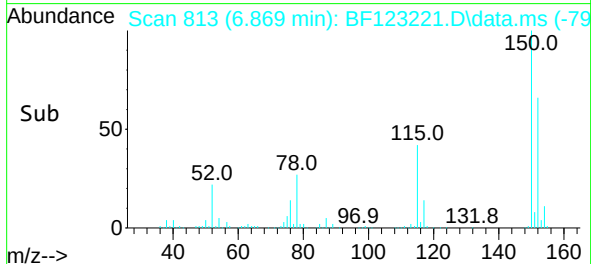
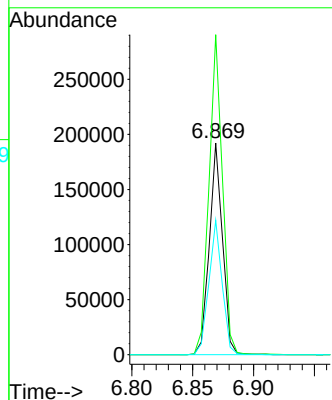
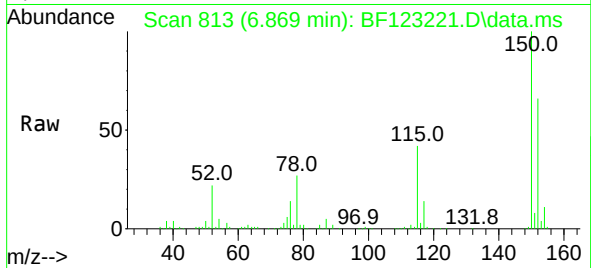
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

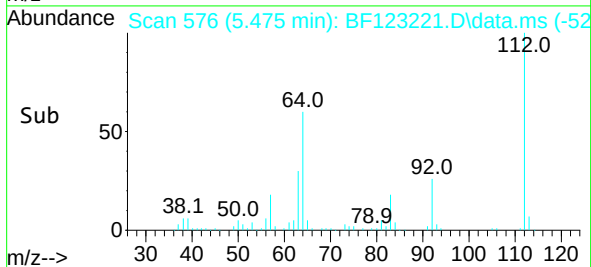
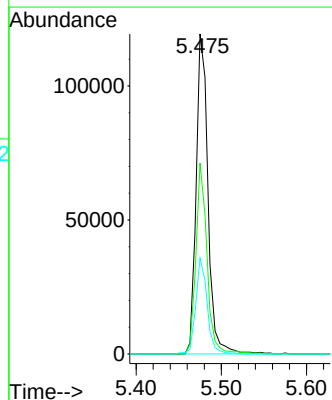
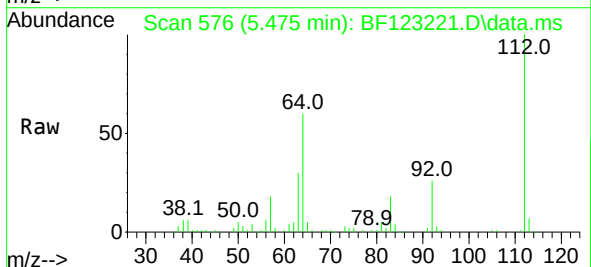
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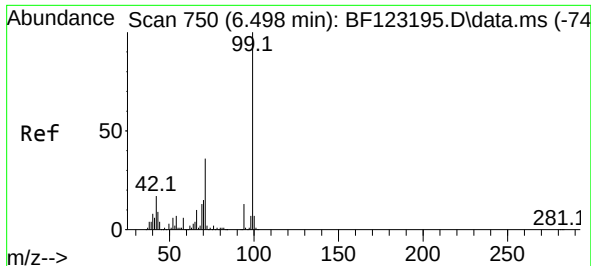
Tgt Ion:152 Resp: 144340
Ion Ratio Lower Upper
152 100
150 151.1 125.8 188.6
115 63.5 49.3 73.9



#5
2-Fluorophenol
Concen: 12.12 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:112 Resp: 115456
Ion Ratio Lower Upper
112 100
64 59.6 46.9 70.3
63 30.0 24.5 36.7

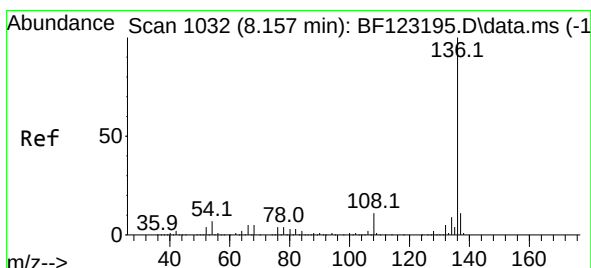
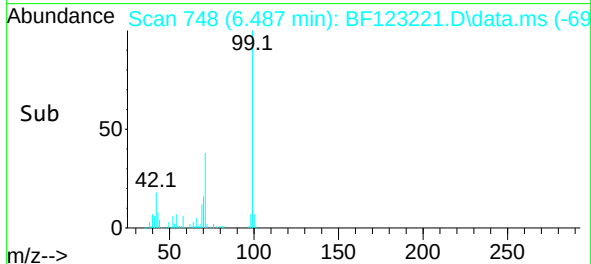
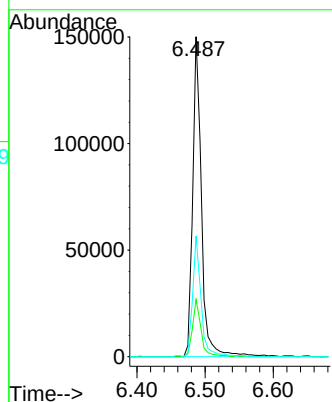
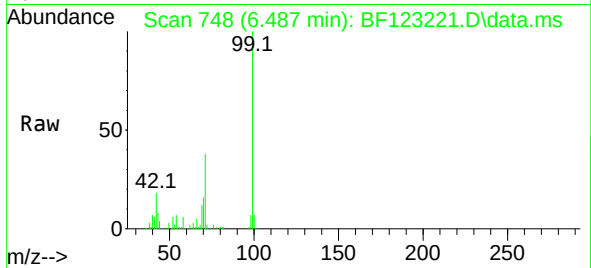




#7
Phenol-d6
Concen: 10.69 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

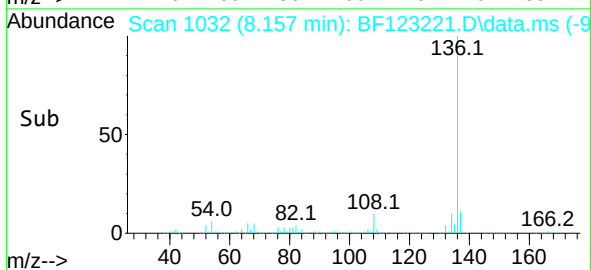
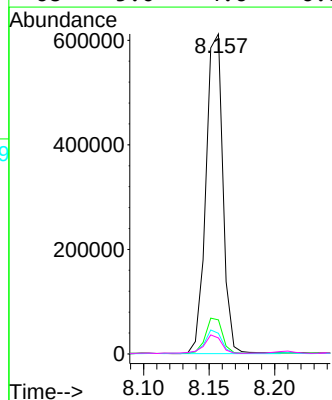
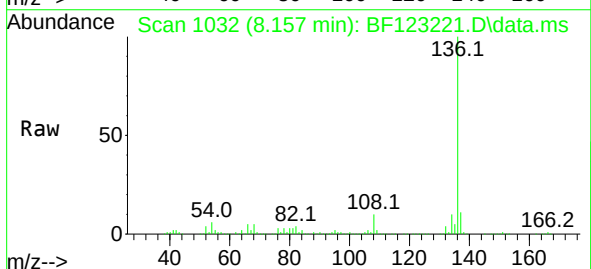
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ClientSampleId :
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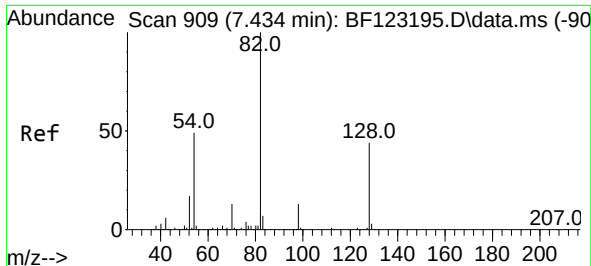
Tgt Ion: 99 Resp: 134454
Ion Ratio Lower Upper
99 100
42 17.9 13.8 20.6
71 37.7 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion: 136 Resp: 552670
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.5 5.5 8.3
68 5.0 4.6 6.8

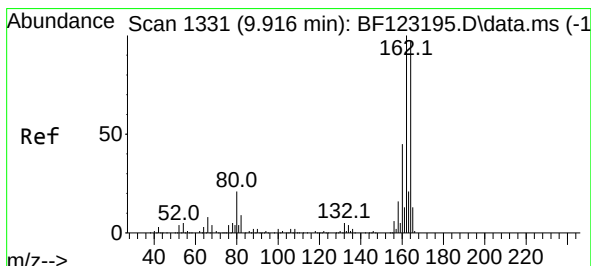
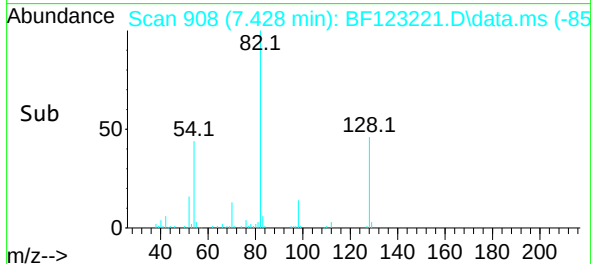
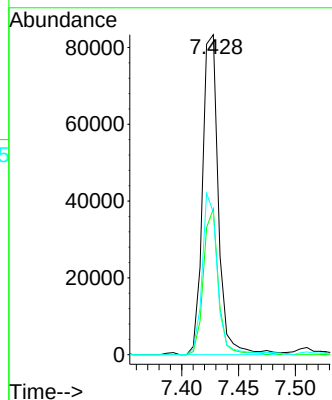
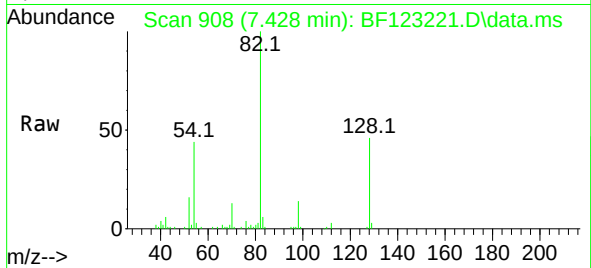




#23
Nitrobenzene-d5
Concen: 7.72 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

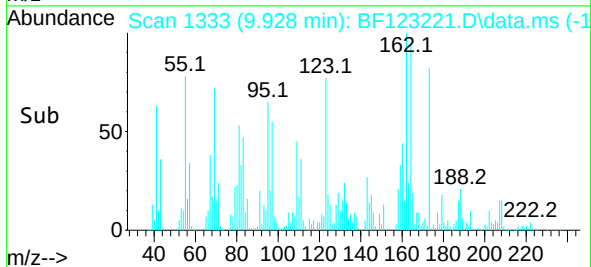
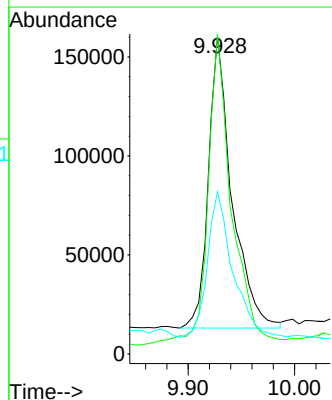
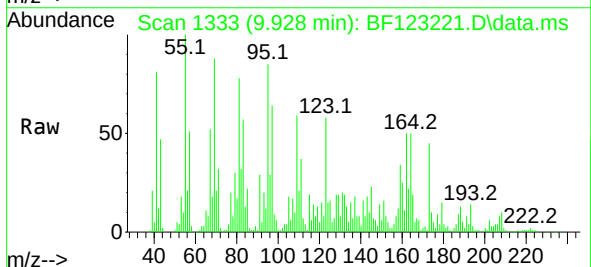
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T359-171187

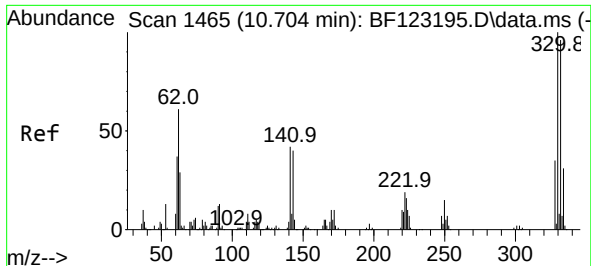
Tgt Ion: 82 Resp: 81170
Ion Ratio Lower Upper
82 100
128 45.6 37.0 55.4
54 44.5 38.4 57.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.012 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:164 Resp: 226920
Ion Ratio Lower Upper
164 100
162 100.6 80.8 121.2
160 51.0 35.4 53.0

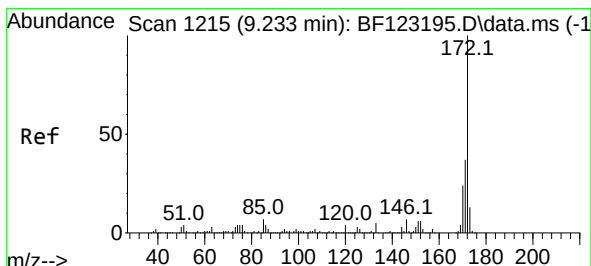
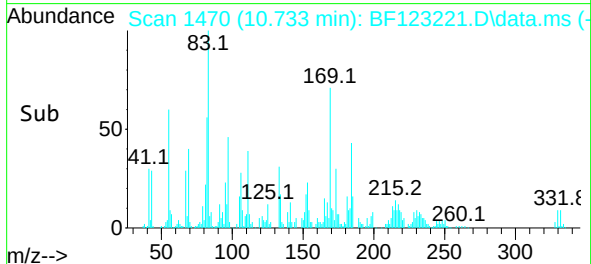
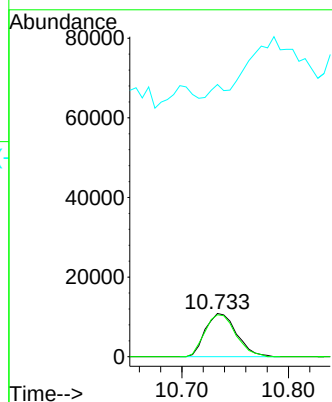
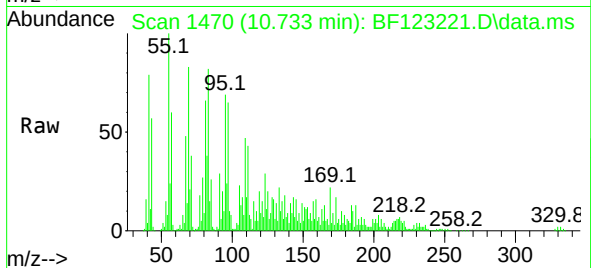




#42
2,4,6-Tribromophenol
Concen: 9.03 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.029 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

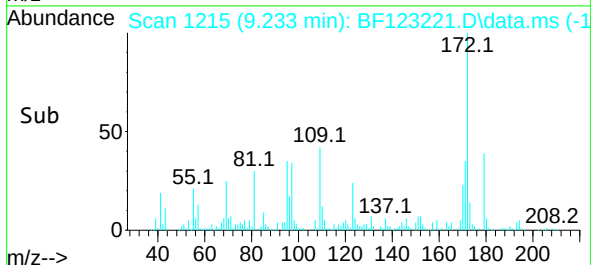
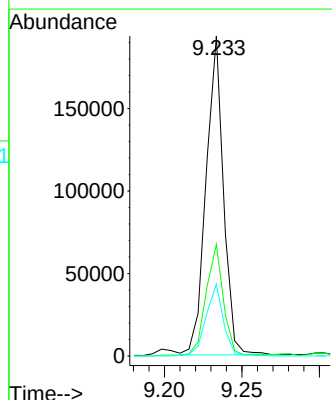
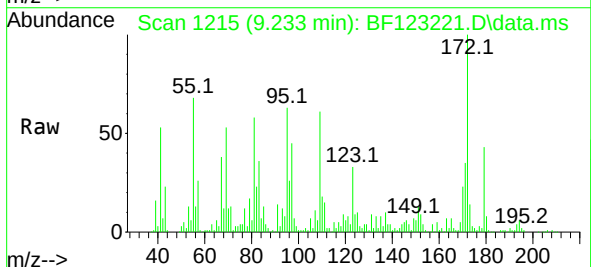
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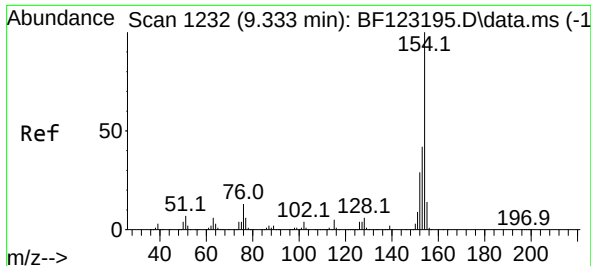
Tgt Ion: 330 Resp: 22126
Ion Ratio Lower Upper
330 100
332 96.1 77.5 116.3
141 10.8 23.8 35.8#



#45
2-Fluorobiphenyl
Concen: 9.94 ng
RT: 9.233 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion: 172 Resp: 150913
Ion Ratio Lower Upper
172 100
171 34.8 29.6 44.4
170 22.5 19.5 29.3

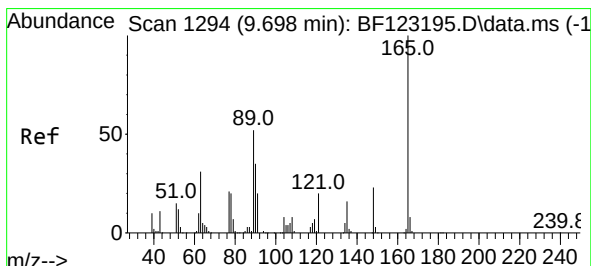
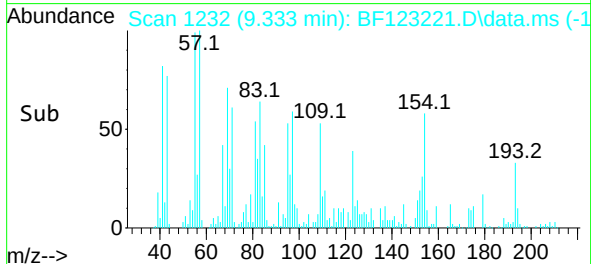
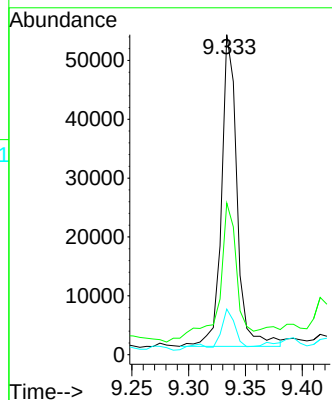
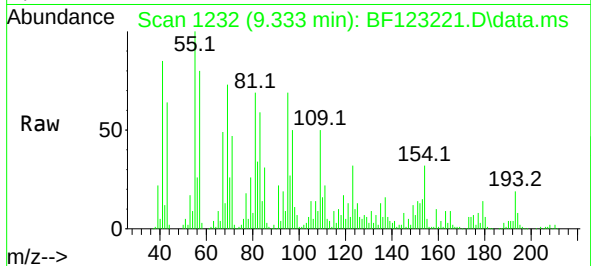




#46
1,1'-Biphenyl
Concen: 2.77 ng
RT: 9.333 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

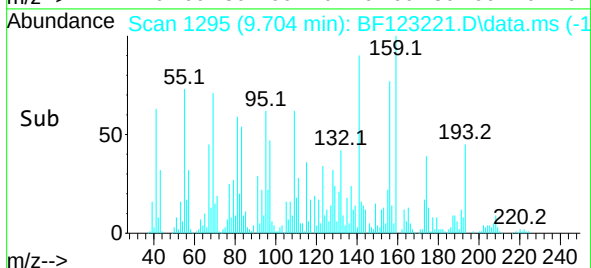
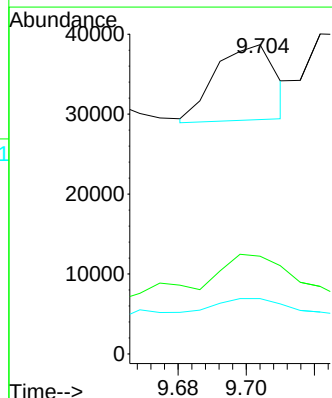
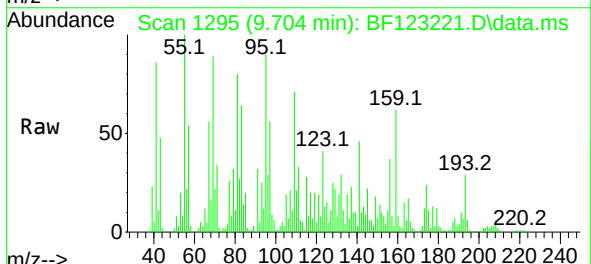
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T359-171187

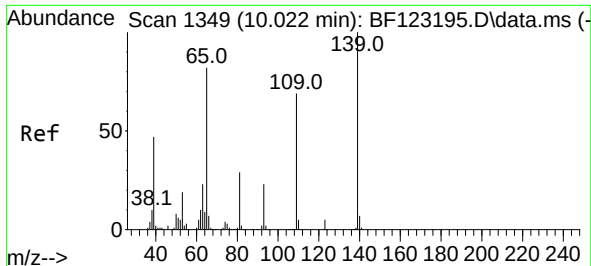
Tgt Ion:154 Resp: 50707
Ion Ratio Lower Upper
154 100
153 47.4 21.8 61.8
76 14.2 0.0 33.4



#51
2,6-Dinitrotoluene
Concen: 2.95 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:165 Resp: 11682
Ion Ratio Lower Upper
165 100
63 31.6 36.6 55.0#
89 17.9 39.4 59.0#

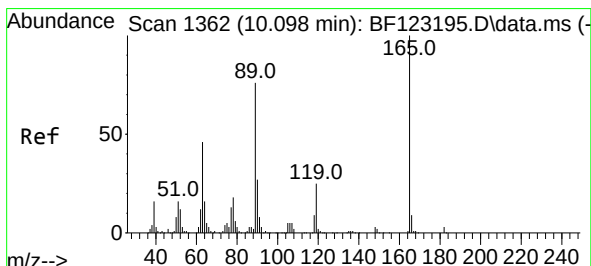
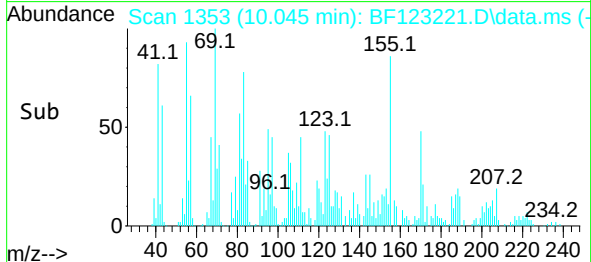
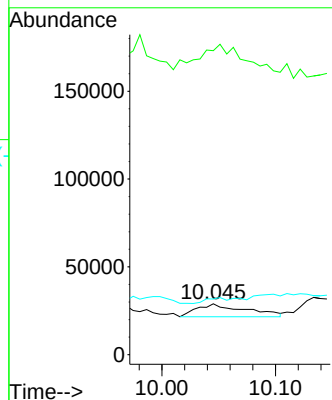
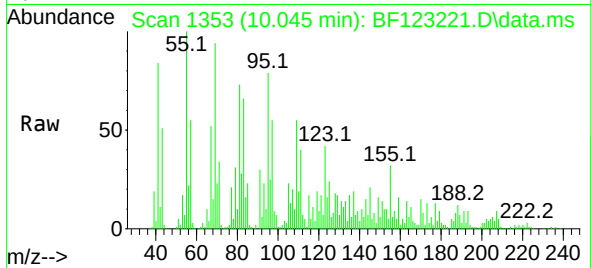




#56
4-Nitrophenol
Concen: 5.71 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.024 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

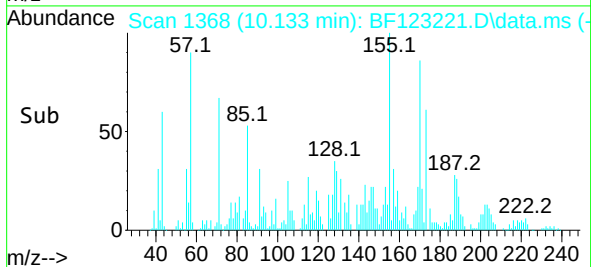
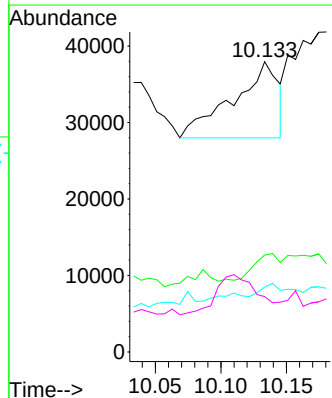
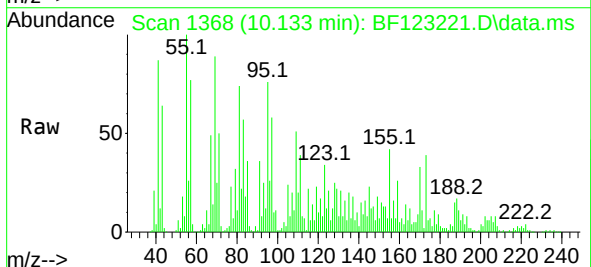
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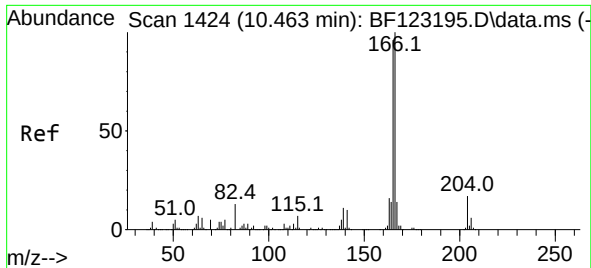
Tgt Ion:139 Resp: 22082
Ion Ratio Lower Upper
139 100
109 596.6 45.1 85.1#
65 109.2 59.2 99.2#



#57
2,4-Dinitrotoluene
Concen: 4.48 ng
RT: 10.133 min Scan# 1368
Delta R.T. 0.035 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:165 Resp: 23937
Ion Ratio Lower Upper
165 100
63 33.4 34.3 51.5#
89 22.4 55.2 82.8#
182 19.1 2.2 3.2#

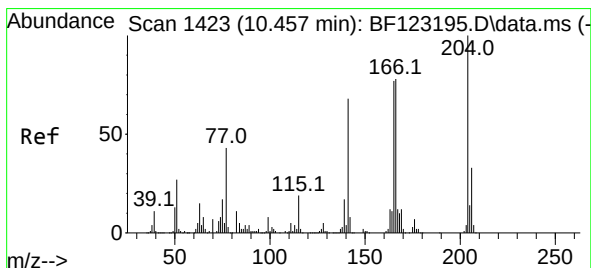
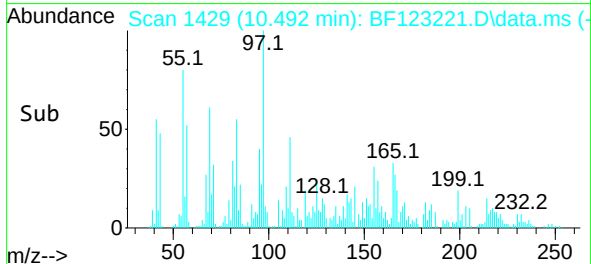
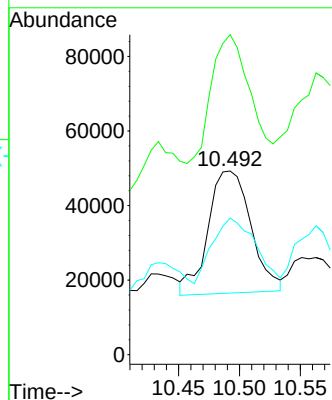
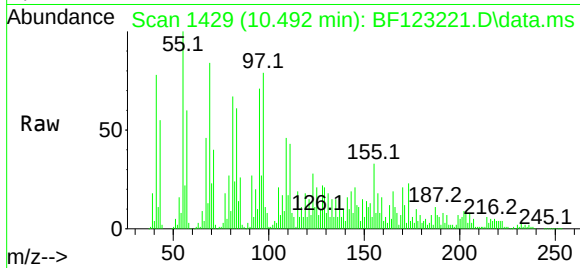




#58
Fluorene
Concen: 4.99 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.029 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

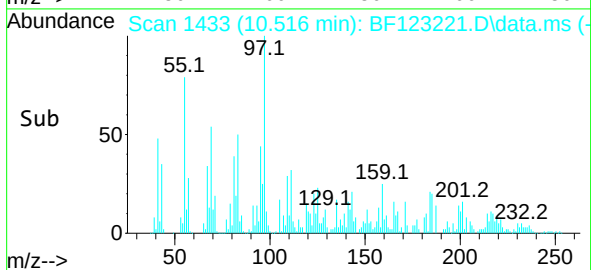
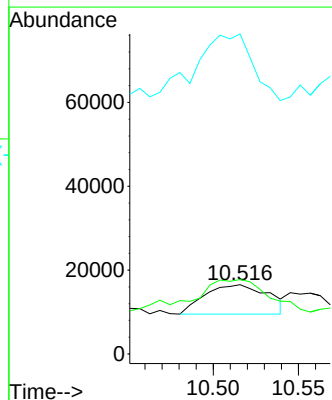
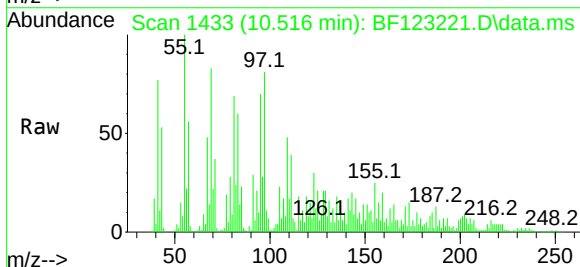
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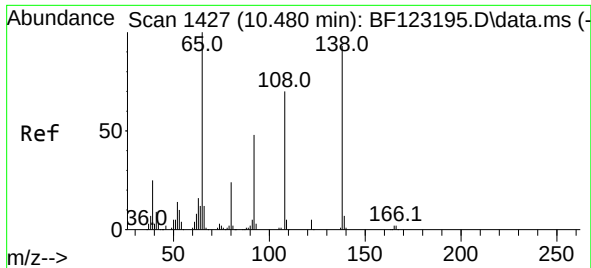
Tgt Ion:166 Resp: 80273
Ion Ratio Lower Upper
166 100
165 174.2 79.4 119.0#
167 74.4 10.9 16.3#



#61
4-Chlorophenyl-phenylether
Concen: 2.52 ng
RT: 10.516 min Scan# 1433
Delta R.T. 0.059 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:204 Resp: 18061
Ion Ratio Lower Upper
204 100
206 107.4 27.0 40.4#
141 462.0 50.4 75.6#

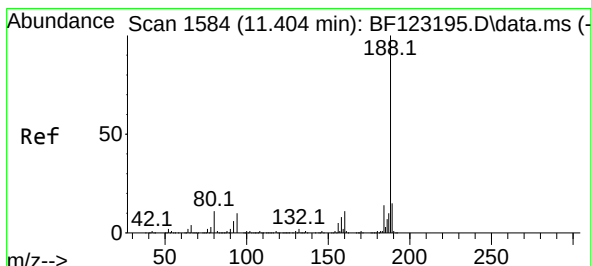
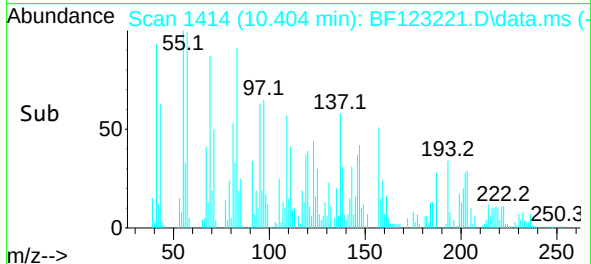
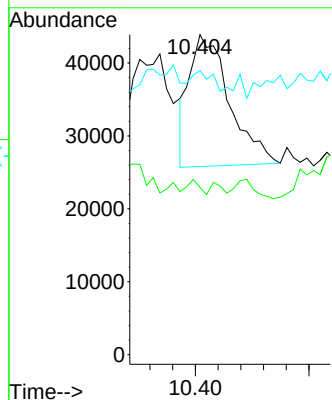
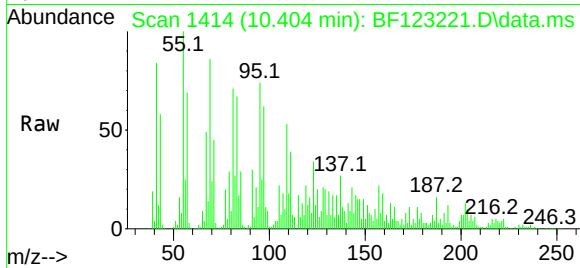




#62
4-Nitroaniline
Concen: 9.31 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.076 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

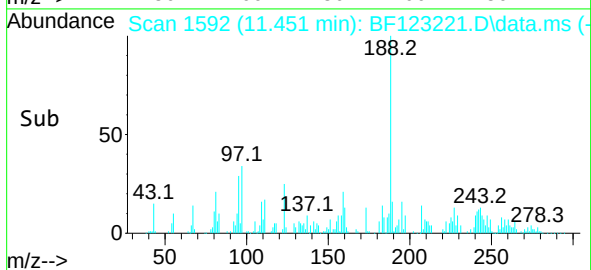
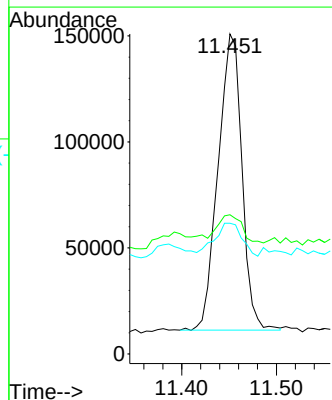
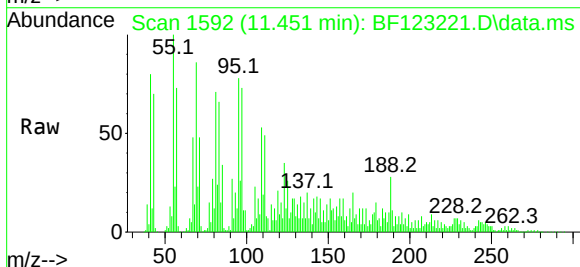
Instrument :
BNA_F
ClientSampleId :
T359-171187

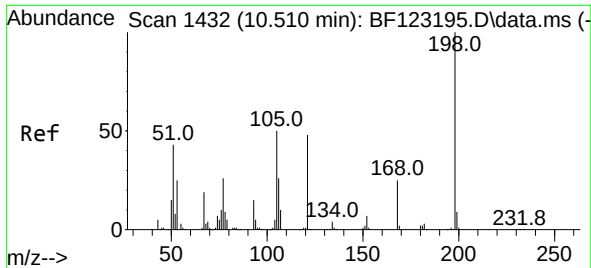
Tgt Ion:138 Resp: 44133
Ion Ratio Lower Upper
138 100
92 52.3 31.0 71.0
108 88.8 54.8 94.8



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.047 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:188 Resp: 243890
Ion Ratio Lower Upper
188 100
94 43.5 7.4 11.2#
80 40.9 8.2 12.4#

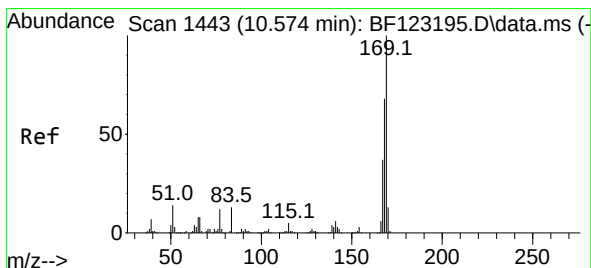
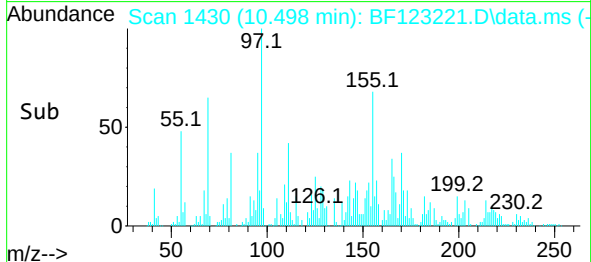
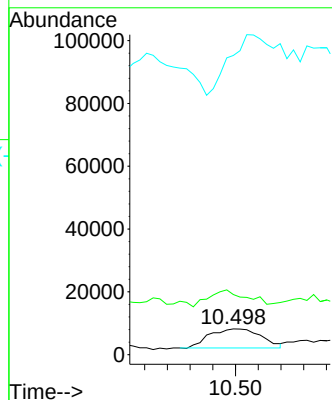
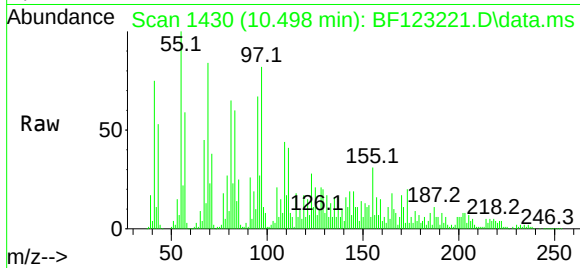




#65
4,6-Dinitro-2-methylphenol
Concen: 12.17 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

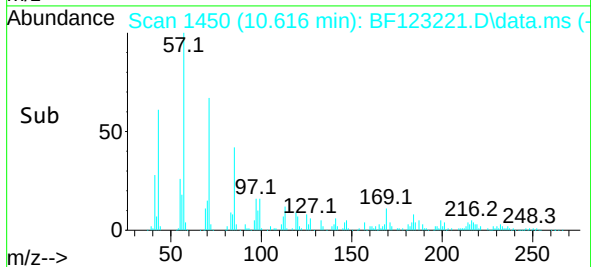
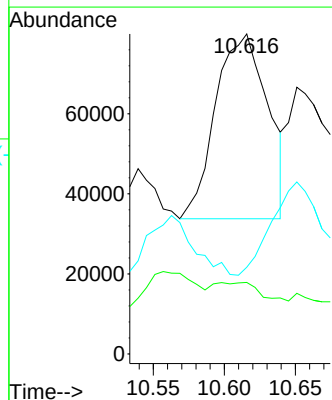
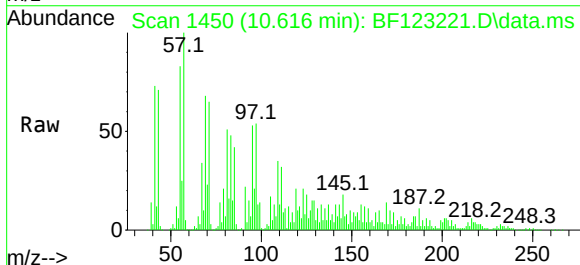
Instrument :
BNA_F
ClientSampleId :
T359-171187

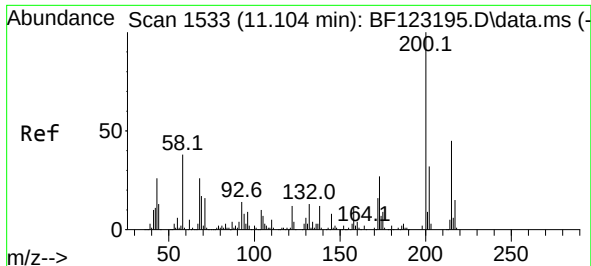
Tgt Ion:198 Resp: 19130
Ion Ratio Lower Upper
198 100
51 234.1 20.3 60.3#
105 1163.5 23.0 63.0#



#66
n-Nitrosodiphenylamine
Concen: 14.32 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.041 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:169 Resp: 117981
Ion Ratio Lower Upper
169 100
168 22.3 54.2 81.2#
167 27.1 29.2 43.8#

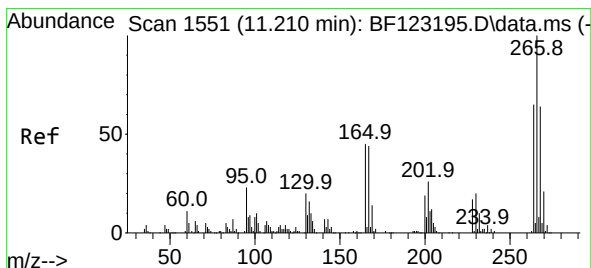
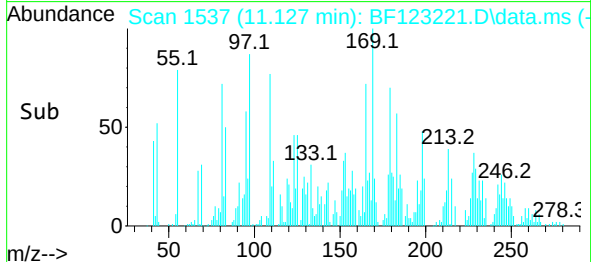
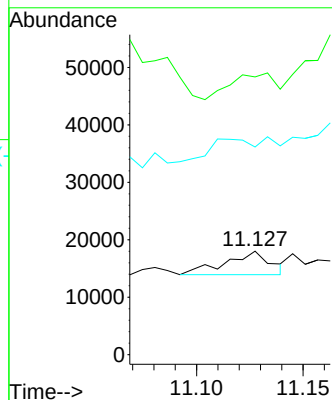
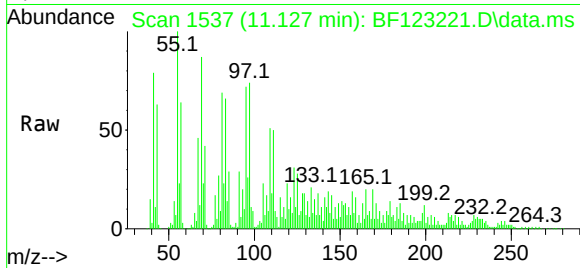




#69
Atrazine
Concen: 2.43 ng
RT: 11.127 min Scan# 1537
Delta R.T. 0.024 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

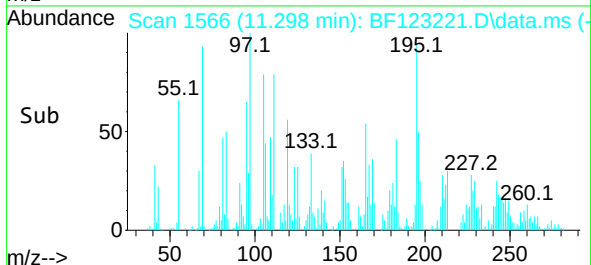
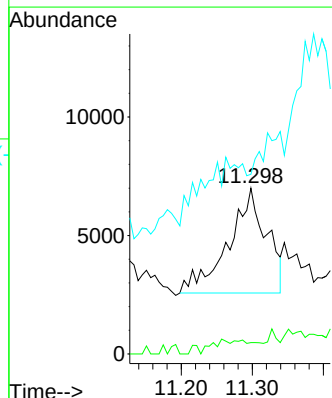
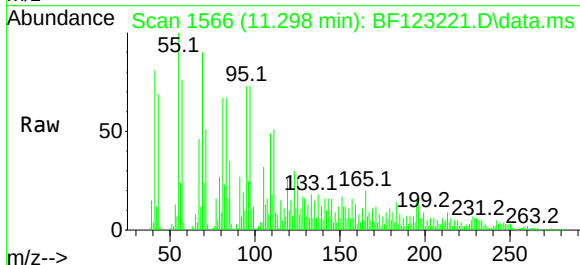
Instrument :
BNA_F
ClientSampleId :
T359-171187

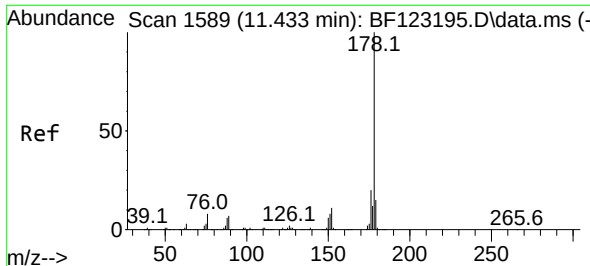
Tgt Ion:200 Resp: 5965
Ion Ratio Lower Upper
200 100
173 268.5 6.6 46.6#
215 200.8 28.1 68.1#



#70
Pentachlorophenol
Concen: 9.28 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.088 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:266 Resp: 16399
Ion Ratio Lower Upper
266 100
268 6.9 50.5 75.7#
264 108.4 49.8 74.8#

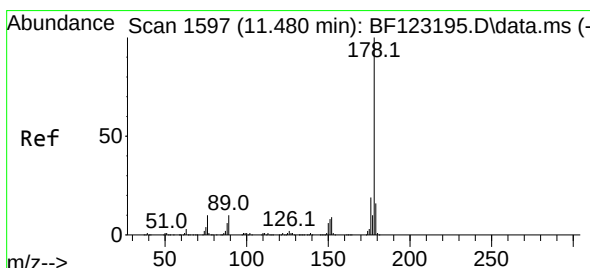
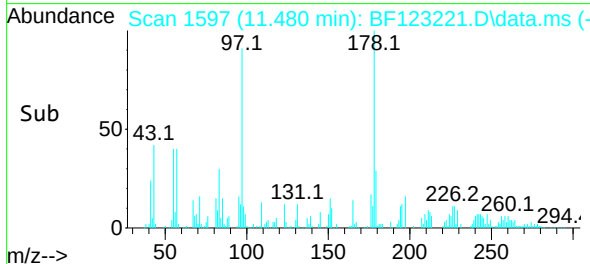
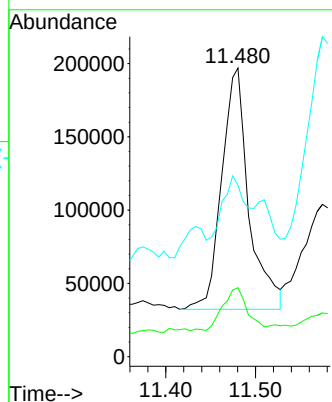
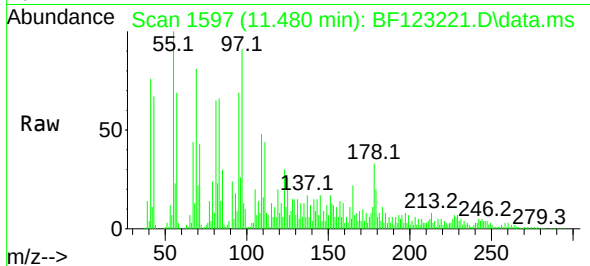




#71
Phenanthrene
Concen: 24.04 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.047 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

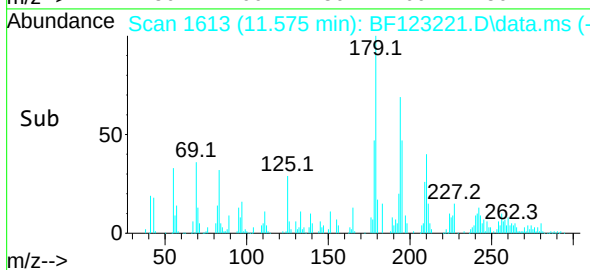
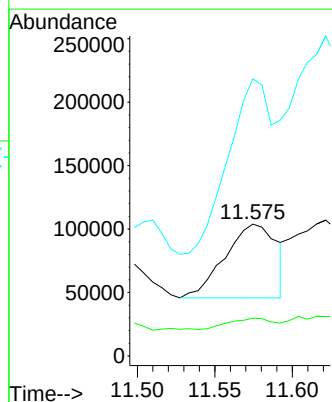
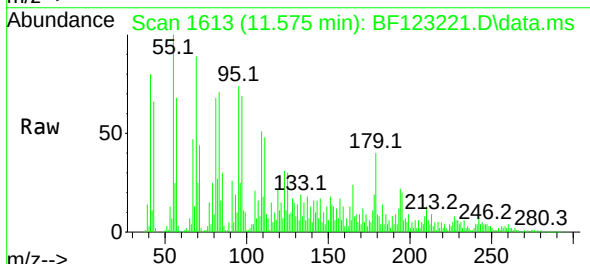
Instrument :
BNA_F
ClientSampleId :
T359-171187

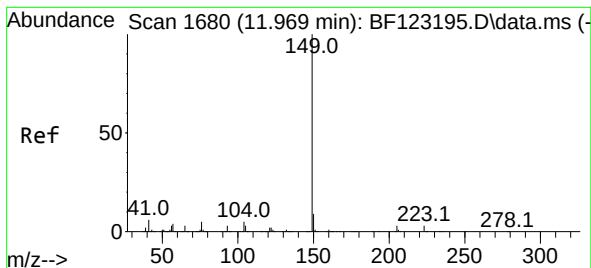
Tgt Ion:178 Resp: 345498
Ion Ratio Lower Upper
178 100
176 23.9 16.2 24.2
179 59.4 12.7 19.1#



#72
Anthracene
Concen: 9.38 ng
RT: 11.575 min Scan# 1613
Delta R.T. 0.094 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:178 Resp: 134681
Ion Ratio Lower Upper
178 100
176 28.7 15.6 23.4#
179 210.1 12.8 19.2#

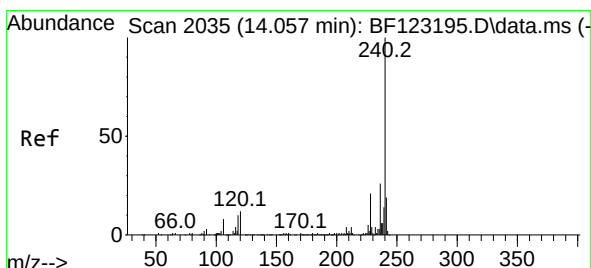
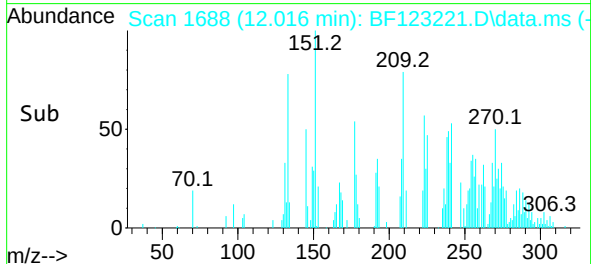
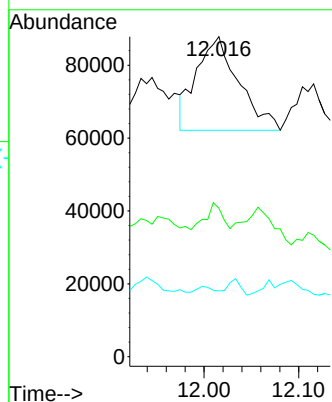
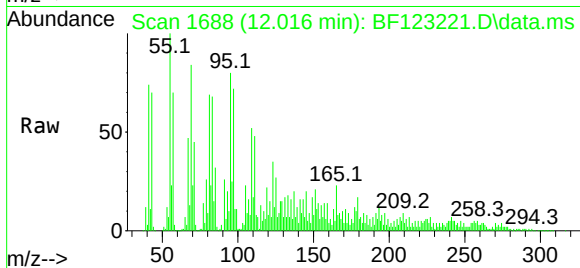




#74
Di-n-butylphthalate
Concen: 5.42 ng
RT: 12.016 min Scan# 1688
Delta R.T. 0.047 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

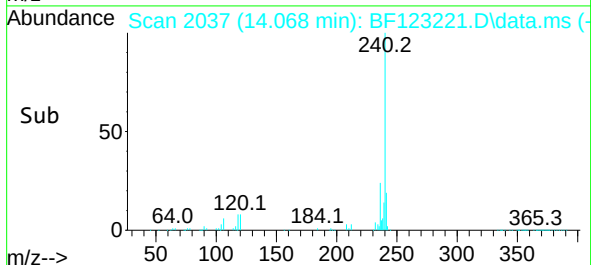
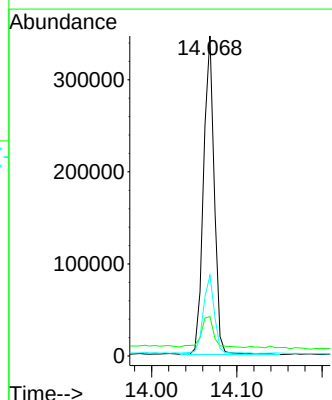
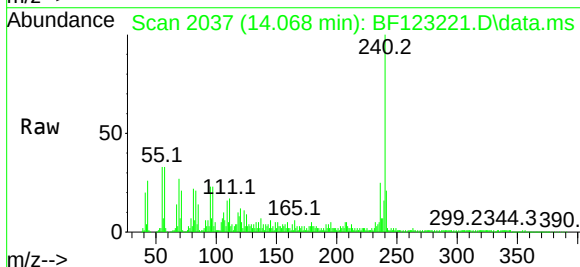
Instrument :
BNA_F
ClientSampleId :
T359-171187

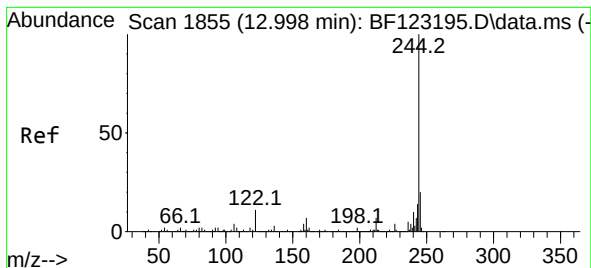
Tgt Ion:149 Resp: 79828
Ion Ratio Lower Upper
149 100
150 46.4 7.8 11.6#
104 20.5 4.2 6.4#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.011 min
Lab File: BF123221.D
Acq: 17 Feb 2021 19:55

Tgt Ion:240 Resp: 302179
Ion Ratio Lower Upper
240 100
120 12.3 8.6 12.8
236 25.2 20.3 30.5





#79

Terphenyl-d14

Concen: 6.89 ng

RT: 13.021 min Scan# 1859

Delta R.T. 0.024 min

Lab File: BF123221.D

Acq: 17 Feb 2021 19:55

Tgt Ion:244 Resp: 103952

Ion Ratio Lower Upper

244 100

212 11.1 5.7 8.5#

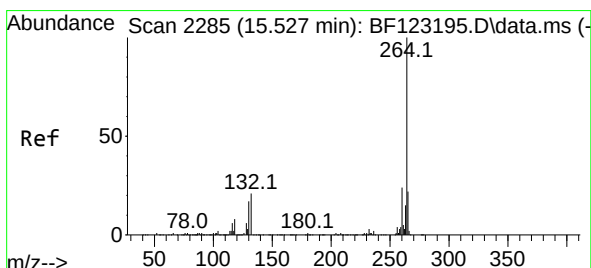
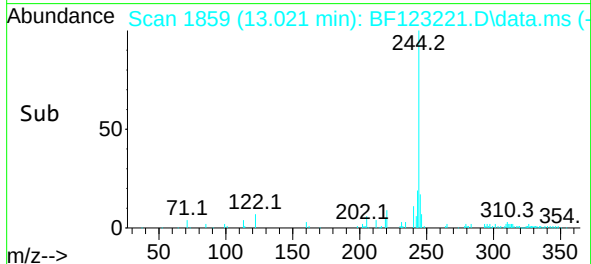
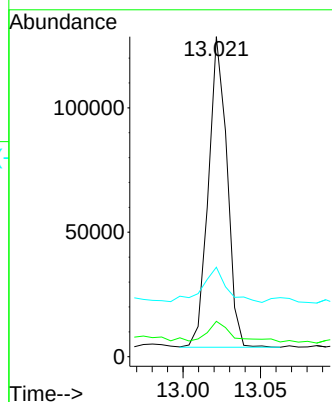
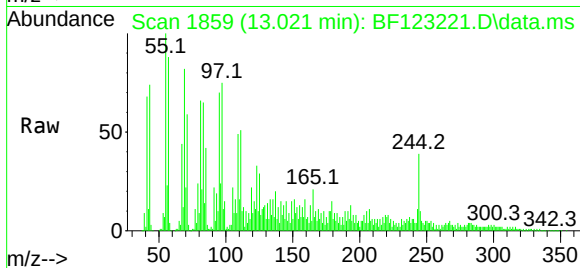
122 27.9 8.3 12.5#

Instrument :

BNA_F

ClientSampleId :

T359-171187



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.539 min Scan# 2287

Delta R.T. 0.012 min

Lab File: BF123221.D

Acq: 17 Feb 2021 19:55

Tgt Ion:264 Resp: 330893

Ion Ratio Lower Upper

264 100

260 24.4 18.6 28.0

265 20.9 17.0 25.6

