

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112016.D
 Acq On : 11 Jan 2019 15:40
 Operator : JU/SJ
 Sample : K1088-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 21:22:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	103023	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	346542	20.00	ng	-0.02
39) Acenaphthene-d10	9.92	164	144297	20.00	ng	-0.02
64) Phenanthrene-d10	11.42	188	224575	20.00	ng	0.00
76) Chrysene-d12	14.10	240	218713	20.00	ng	0.04
87) Perylene-d12	15.60	264	183587	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	755454	125.45	ng	-0.01
7) Phenol-d6	6.52	99	970678	125.06	ng	-0.01
23) Nitrobenzene-d5	7.43	82	583147	89.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	212277	113.10	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	944185	95.42	ng	-0.02
79) Terphenyl-d14	13.03	244	859979	74.64	ng	0.03

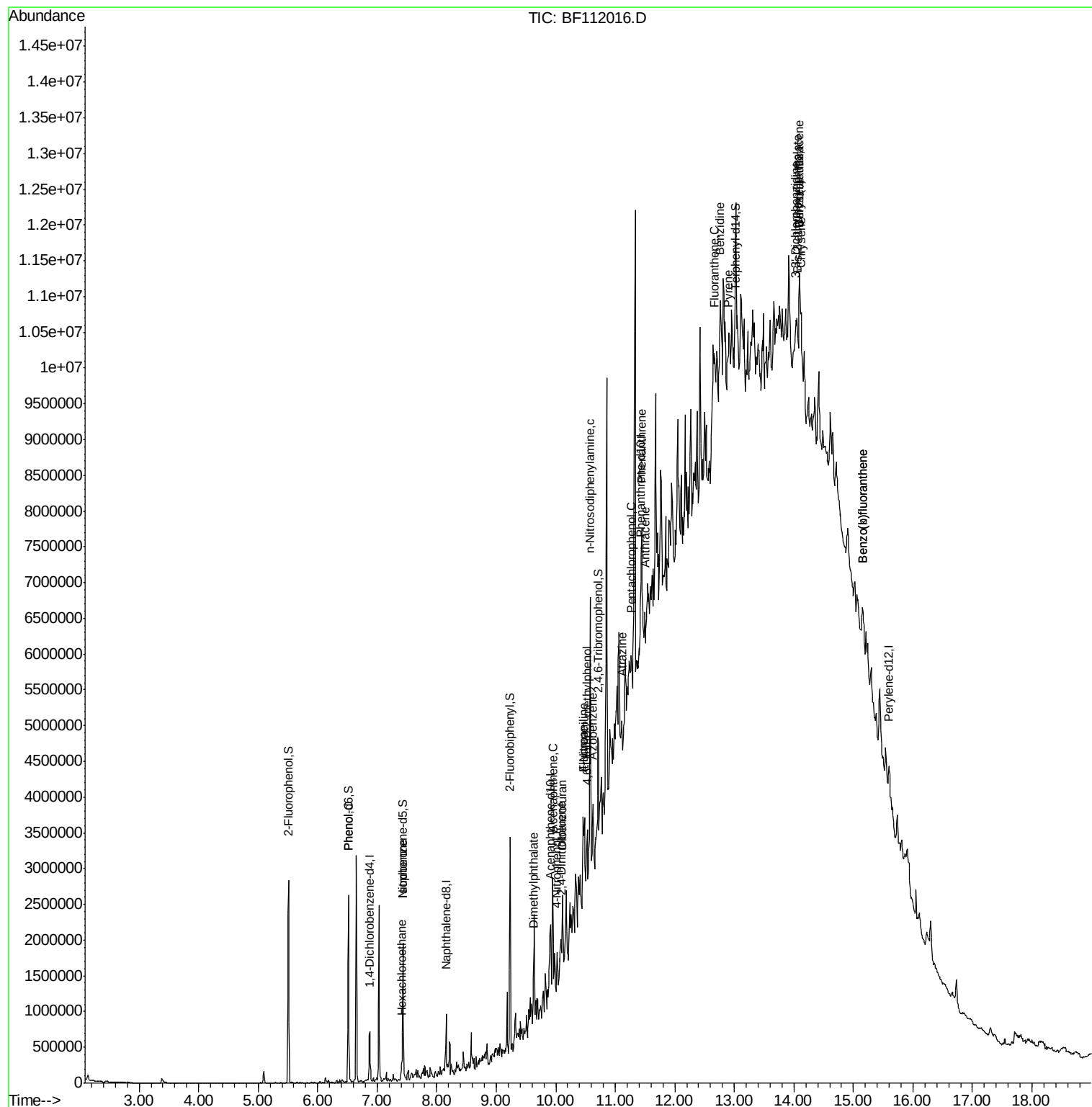
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2388	Below Cal		# 1
10) Phenol	6.53	94	46066	5.461	ng	# 85
18) Hexachloroethane	7.41	117	5868	2.137	ng	# 1
25) Isophorone	7.43	82	576070	54.865	ng	# 65
50) Dimethylphthalate	9.62	163	131033	12.088	ng	# 96
52) Acenaphthene	9.95	154	205914	22.806	ng	# 93
55) Dibenzofuran	10.12	168	80203	6.108	ng	# 80
56) 4-Nitrophenol	10.02	139	6682	3.643	ng	# 1
57) 2,4-Dinitrotoluene	10.09	165	17478	5.580	ng	# 54
58) Fluorene	10.47	166	235960	24.696	ng	# 92
62) 4-Nitroaniline	10.46	138	5078	2.062	ng	# 48
63) Azobenzene	10.62	77	36798	3.672	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.52	198	5108	3.686	ng	# 1
66) n-Nitrosodiphenylamine	10.58	169	123889	16.439	ng	# 47
69) Atrazine	11.11	200	5751	2.172	ng	# 1
70) Pentachlorophenol	11.26	266	8087	4.408	ng	# 38
71) Phenanthrene	11.45	178	535394	44.591	ng	# 93
72) Anthracene	11.50	178	80629	6.615	ng	# 66
75) Fluoranthene	12.66	202	259754	21.073	ng	# 85
77) Benzidine	12.76	184	13214	2.022	ng	# 1
78) Pyrene	12.89	202	202396	13.449	ng	# 87
81) Benzo(a)anthracene	14.09	228	47447	3.769	ng	# 1
82) 3,3'-Dichlorobenzidine	14.03	252	14402	3.099	ng	# 44
83) Chrysene	14.12	228	90141	7.511	ng	# 33
84) Bis(2-ethylhexyl)phthalate	14.06	149	183545	21.967	ng	# 78
88) Benzo(b)fluoranthene	15.16	252	33823	3.080	ng	# 1
89) Benzo(k)fluoranthene	15.16	252	33823	3.276	ng	# 1

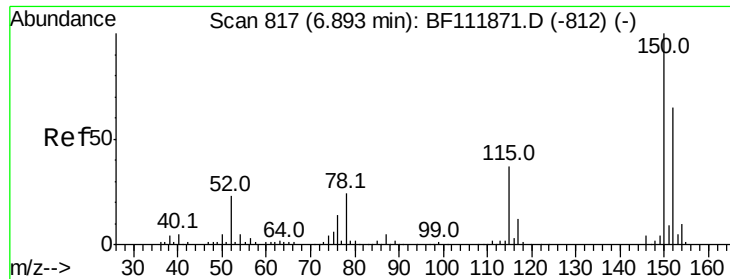
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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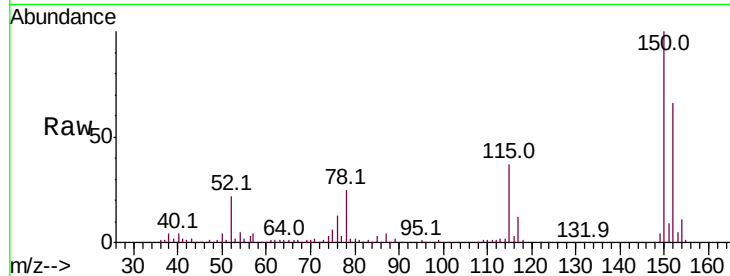


#1

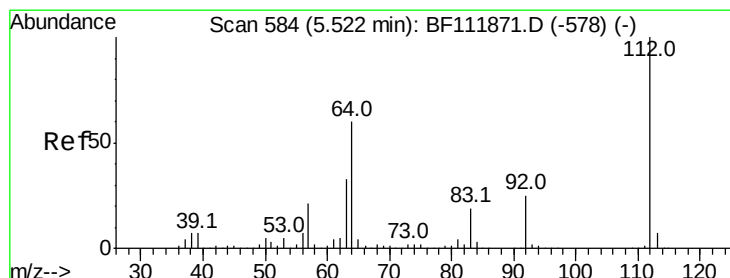
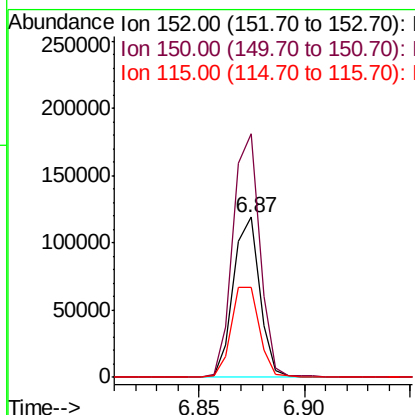
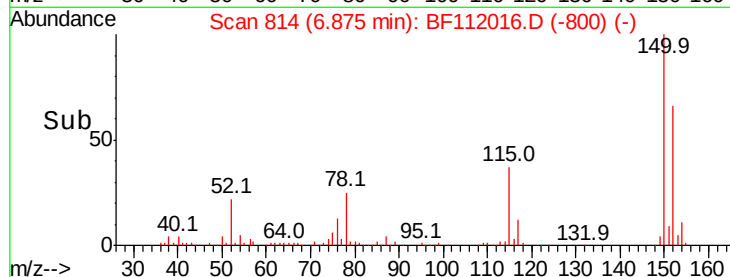
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 103023
Ion Ratio Lower Upper
152 100
150 152.0 122.7 184.1
115 56.6 45.2 67.8



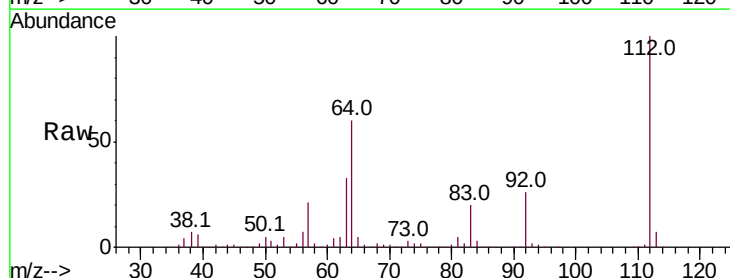
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



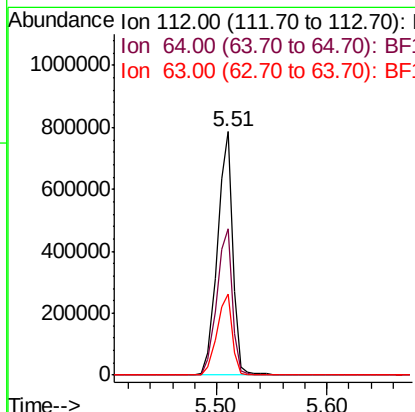
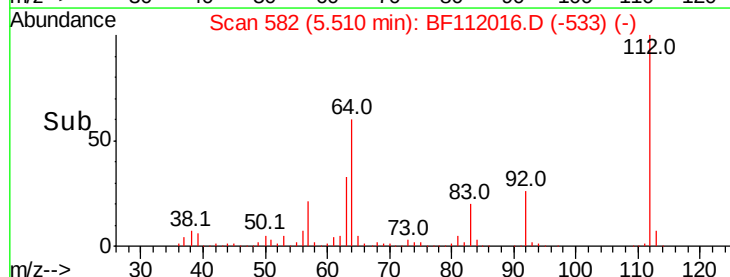
#5

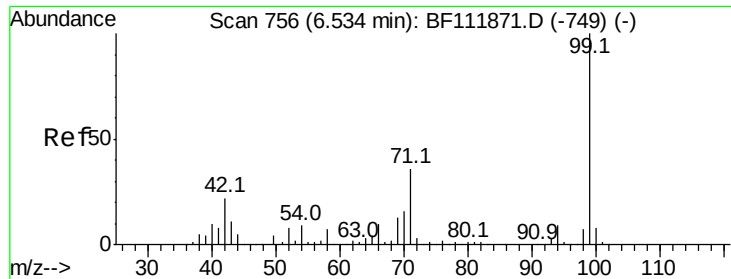
2-Fluorophenol
Concen: 125.452 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Tgt Ion:112 Resp: 755454
Ion Ratio Lower Upper
112 100
64 60.0 48.3 72.5
63 33.5 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 125.064 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampled :

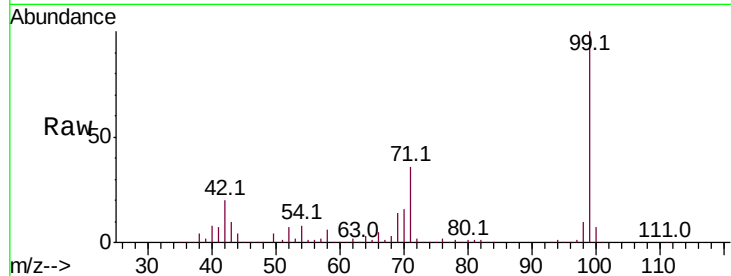
Tot Ion: 99 Resp: 970678

Ion Ratio Lower Upper

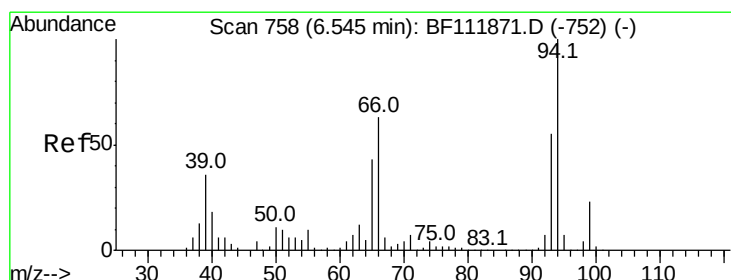
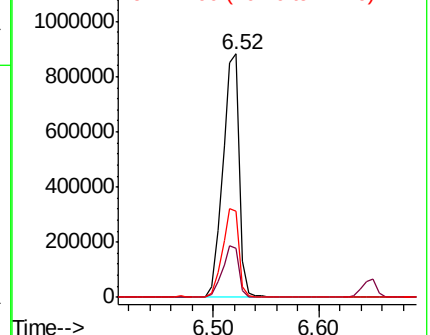
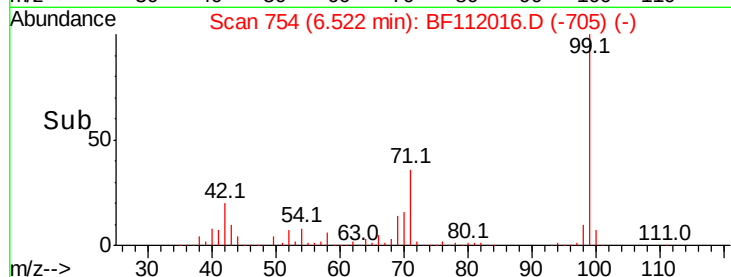
99 100

42 20.2 17.9 26.9

71 35.6 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
1200000
Ion 42.00 (41.70 to 42.70): BF1
1000000
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.461 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

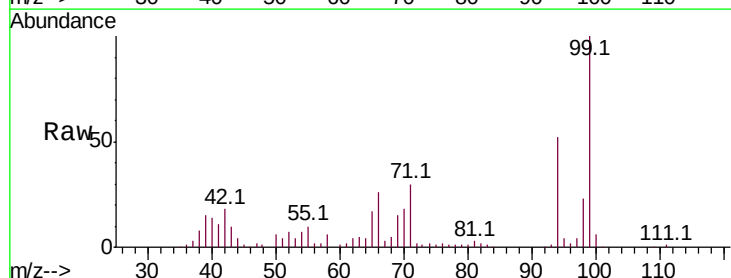
Tgt Ion: 94 Resp: 46066

Ion Ratio Lower Upper

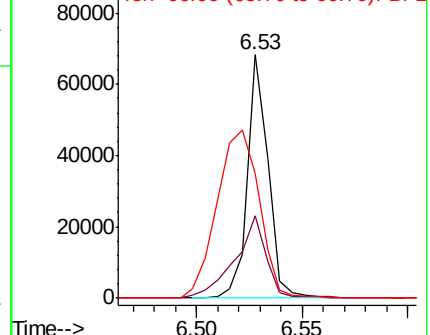
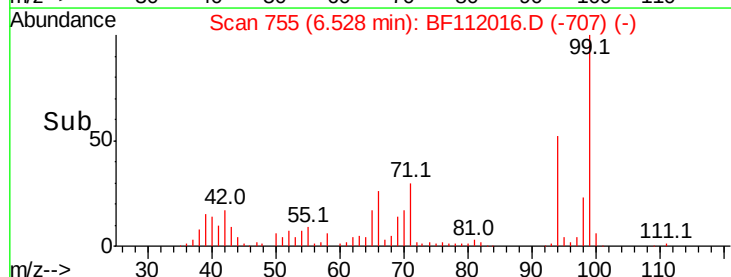
94 100

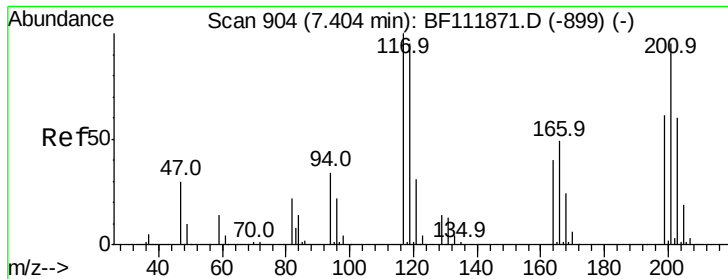
65 33.7 22.8 62.8

66 50.9 43.3 83.3



Abundance Ion 94.00 (93.70 to 94.70): BF1
80000
Ion 65.00 (64.70 to 65.70): BF1
60000
Ion 66.00 (65.70 to 66.70): BF1





#18

Hexachloroethane

Concen: 2.137 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.01 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampleId :

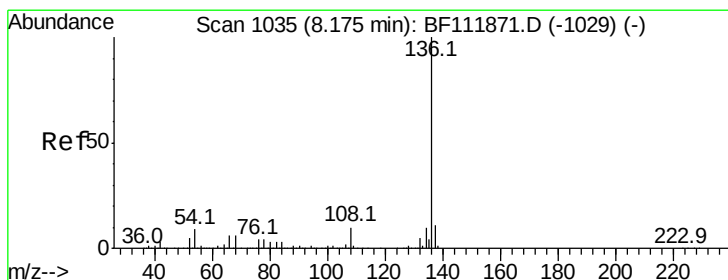
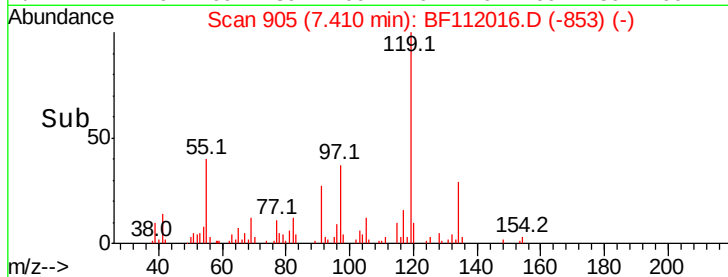
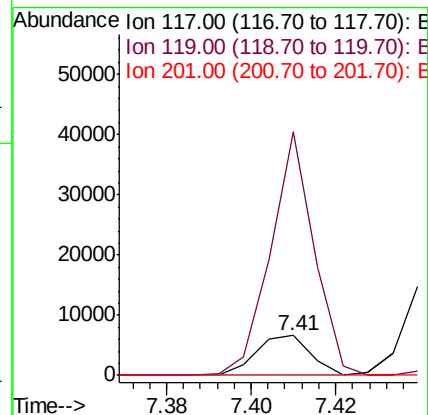
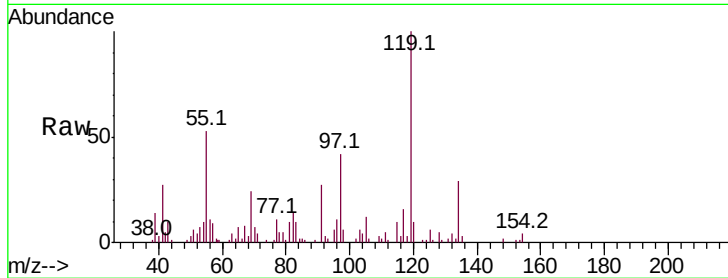
Tot Ion:117 Resp: 5868

Ion Ratio Lower Upper

117 100

119 609.1 76.2 114.2#

201 0.0 75.7 113.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Tgt Ion:136 Resp: 346542

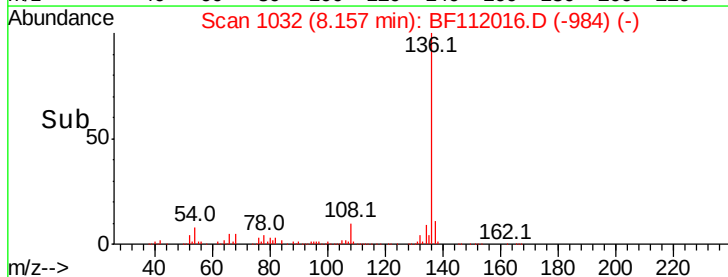
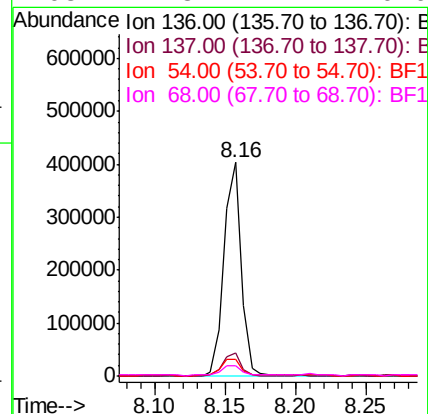
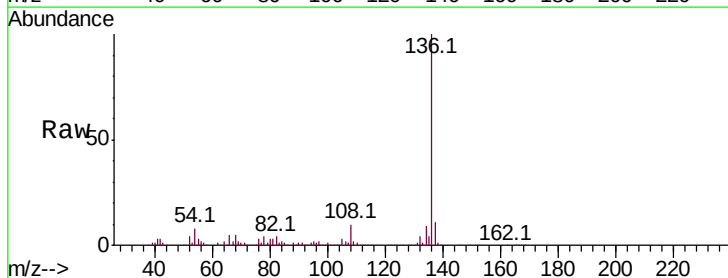
Ion Ratio Lower Upper

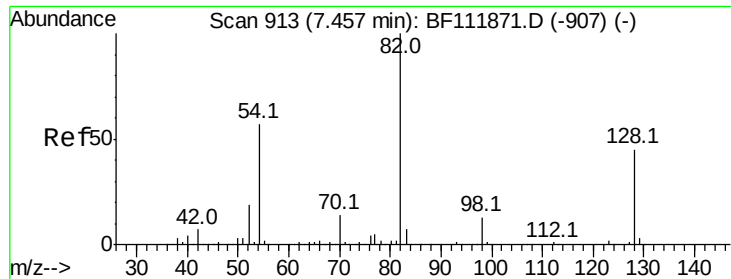
136 100

137 10.9 9.1 13.7

54 7.9 7.2 10.8

68 4.8 4.4 6.6

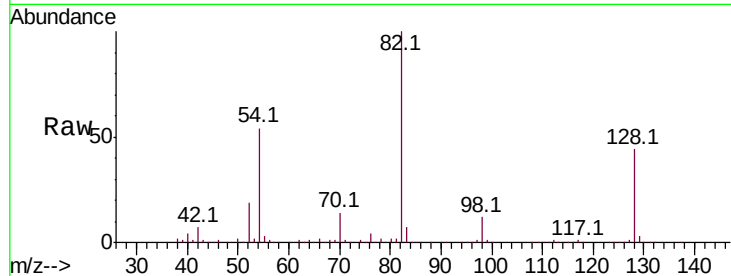




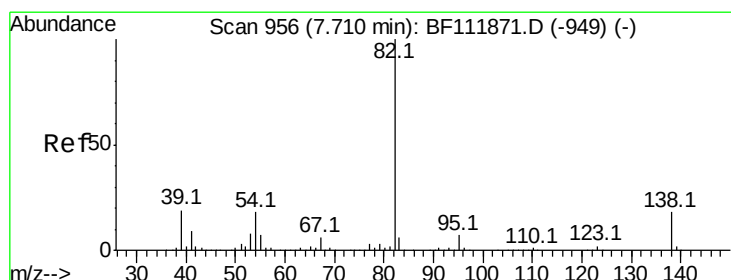
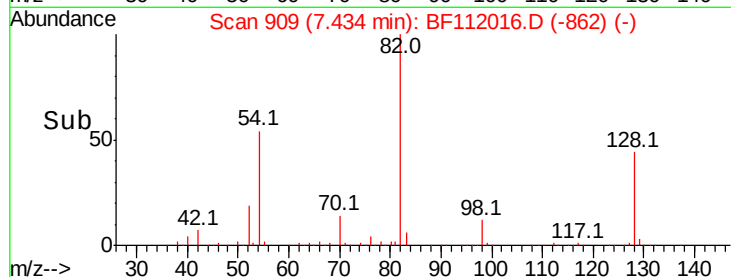
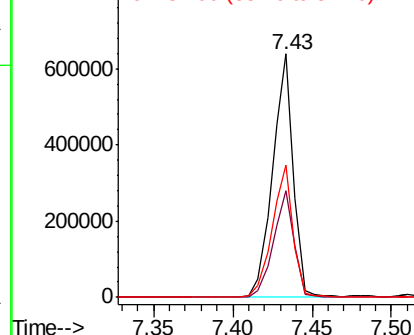
#23
Nitrobenzene-d5
Concen: 89.936 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	583147
Ion Ratio	Lower	Upper	
82	100		
128	44.0	35.7	53.5
54	54.4	45.8	68.8

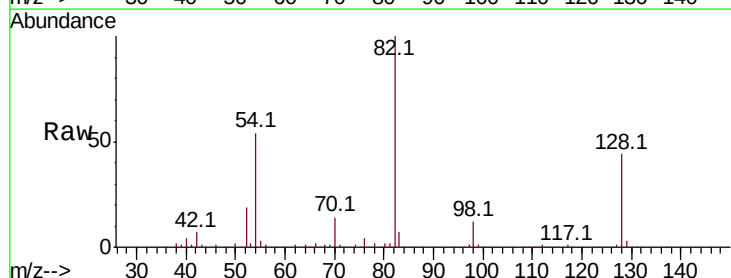


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

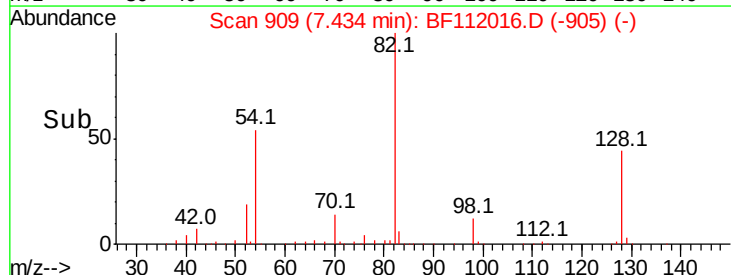
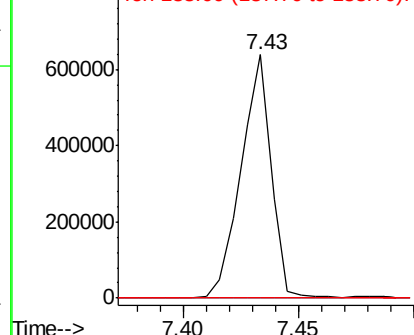


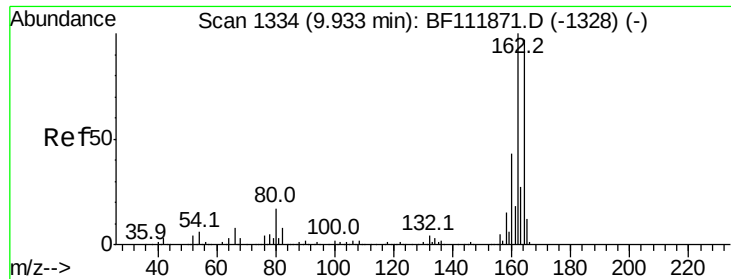
#25
Isophorone
Concen: 54.865 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.28 min
Lab File: BF112016.D
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Tgt Ion	82	Resp	576070
Ion Ratio	Lower	Upper	
82	100		
95	0.4	5.8	8.6#
138	0.0	14.4	21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

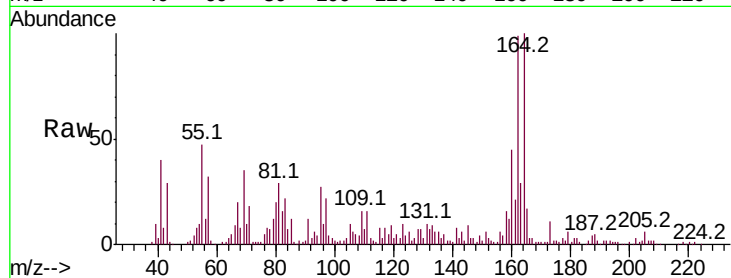




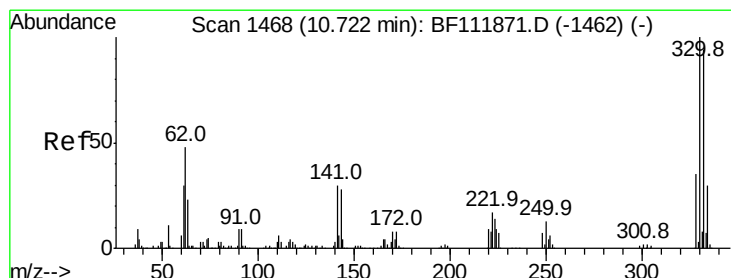
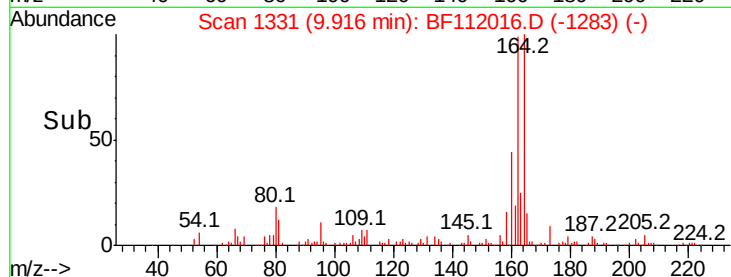
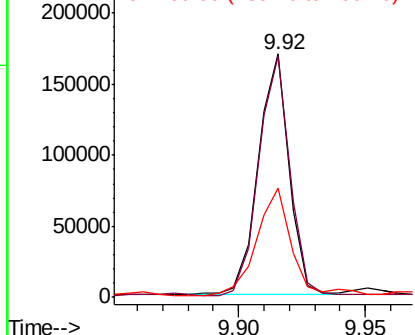
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 144297
Ion Ratio Lower Upper
164 100
162 98.9 82.2 123.2
160 44.9 35.5 53.3

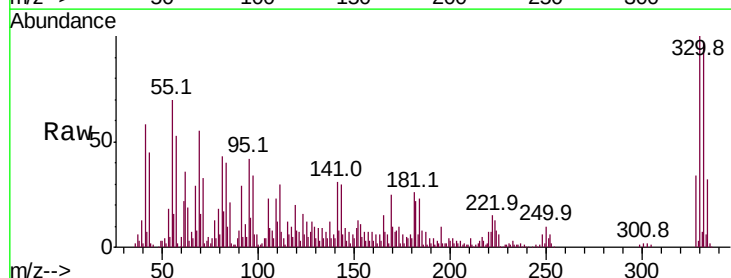


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

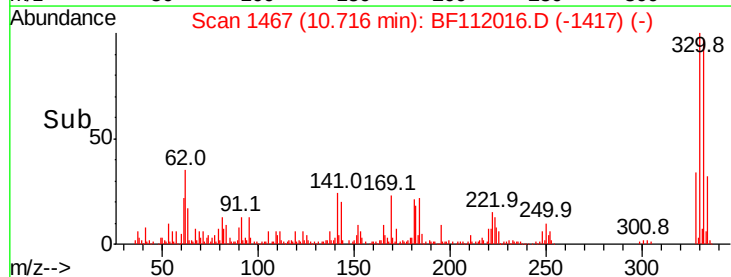
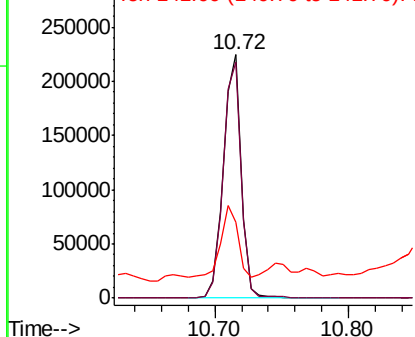


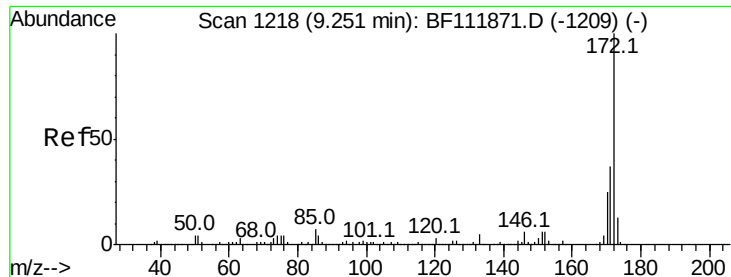
#42
2,4,6-Tribromophenol
Concen: 113.102 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Tgt Ion:330 Resp: 212277
Ion Ratio Lower Upper
330 100
332 97.9 76.9 115.3
141 27.9 23.7 35.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

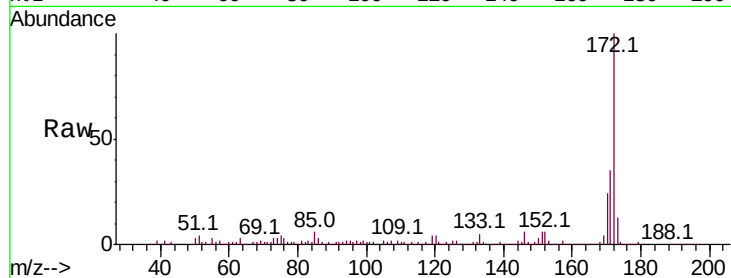




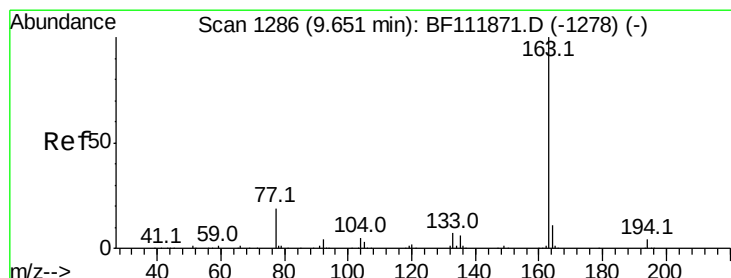
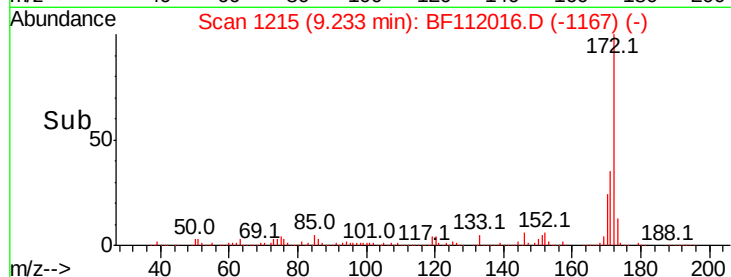
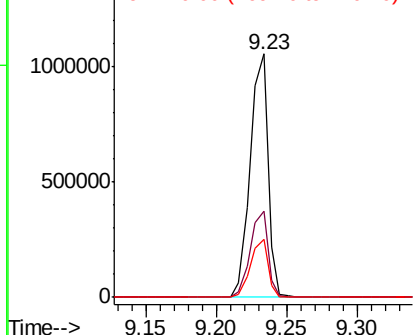
#45
2-Fluorobiphenyl
Concen: 95.415 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 944185
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.9 19.8 29.8

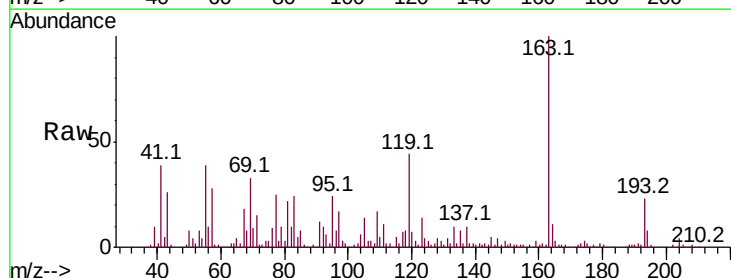


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

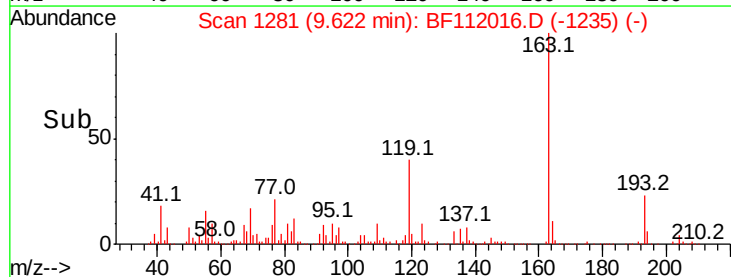
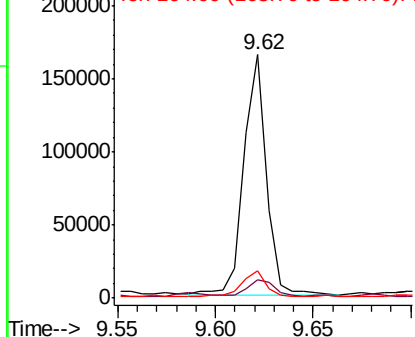


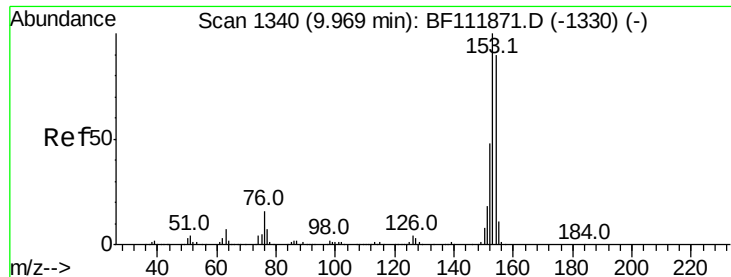
#50
Dimethylphthalate
Concen: 12.088 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Tgt Ion:163 Resp: 131033
Ion Ratio Lower Upper
163 100
194 7.6 3.4 5.2#
164 11.2 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 22.806 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampleId :

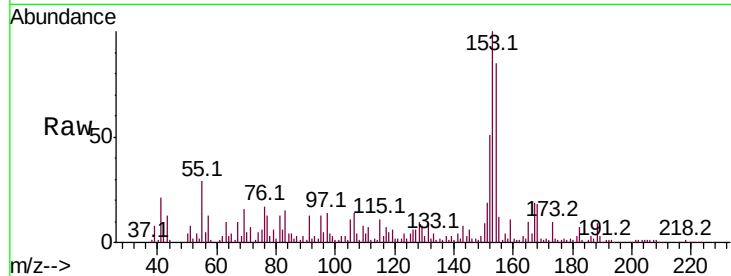
Tot Ion:154 Resp: 205914

Ion Ratio Lower Upper

154 100

153 118.1 89.4 134.0

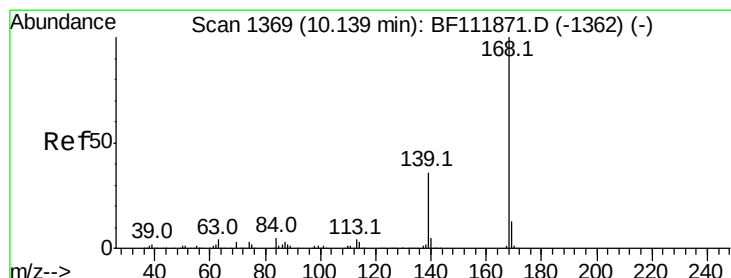
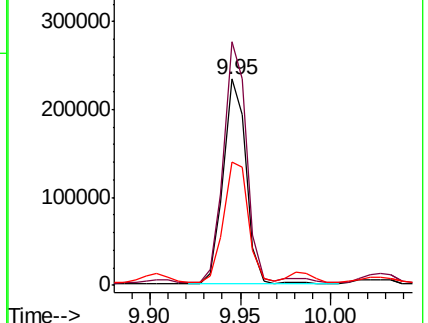
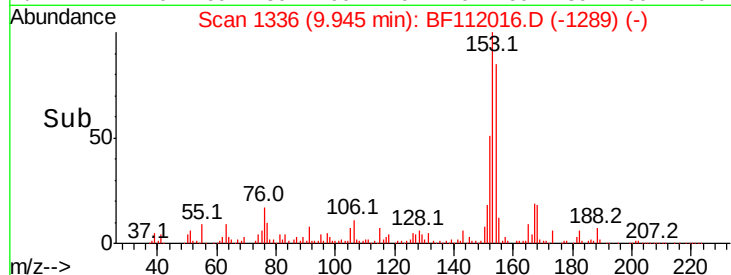
152 60.1 43.1 64.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 6.108 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.02 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

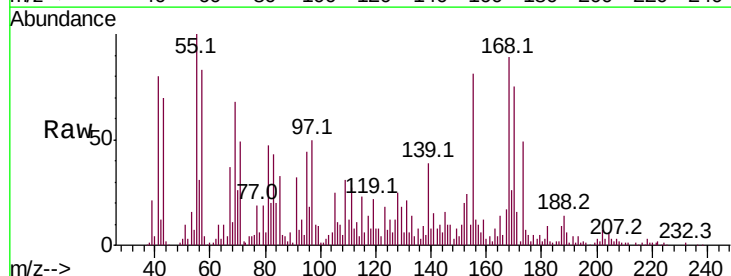
Tgt Ion:168 Resp: 80203

Ion Ratio Lower Upper

168 100

139 44.1 29.3 43.9#

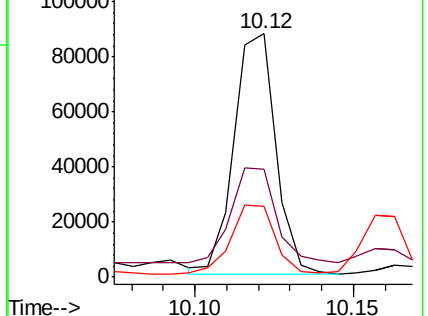
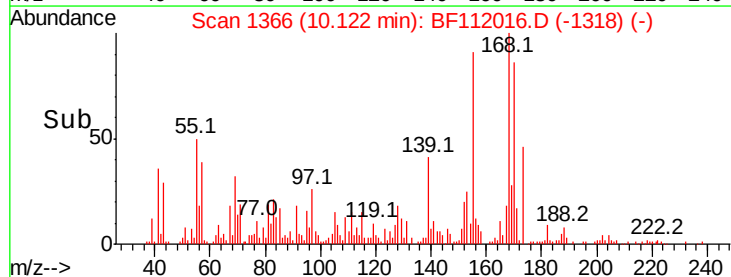
169 29.1 10.6 16.0#

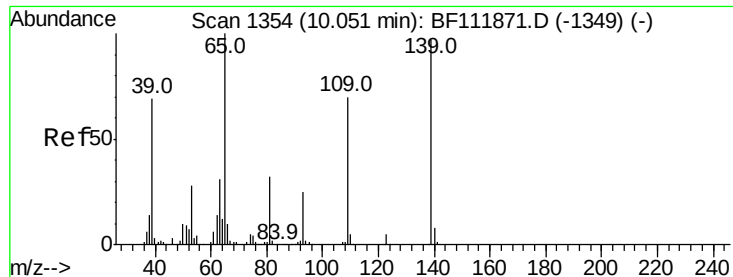


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

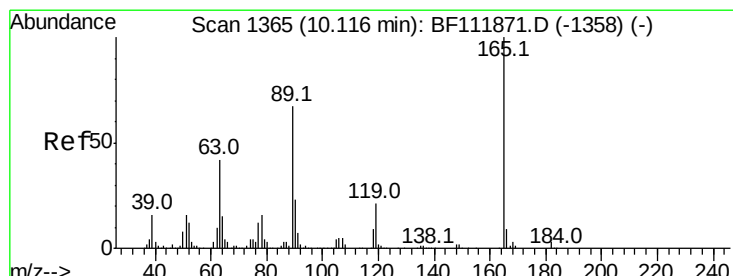
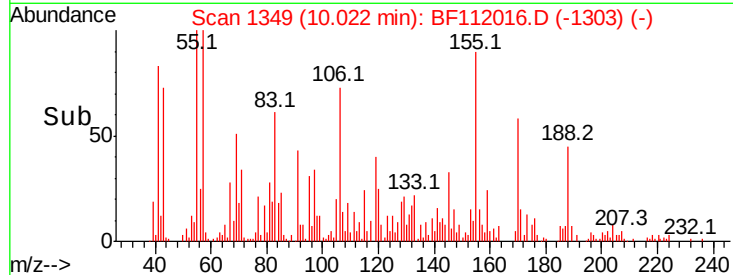
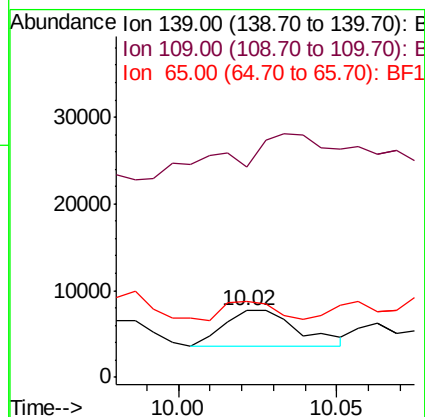
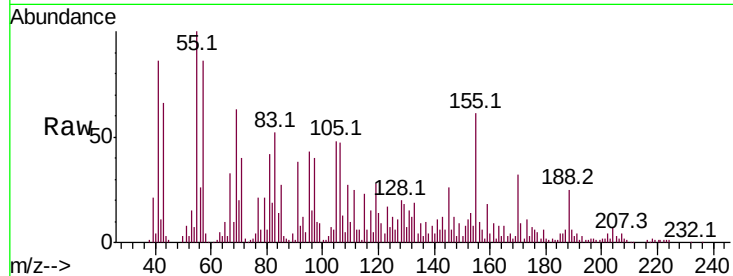




#56
4-Nitrophenol
Concen: 3.643 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.03 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

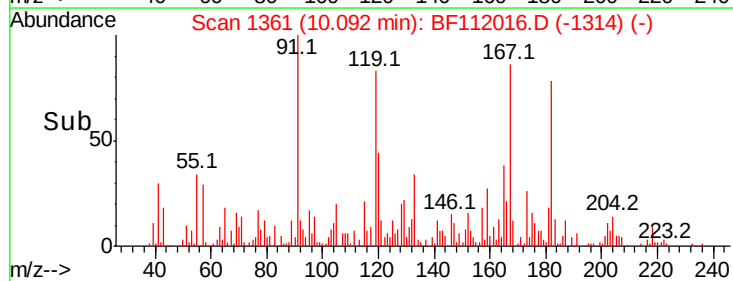
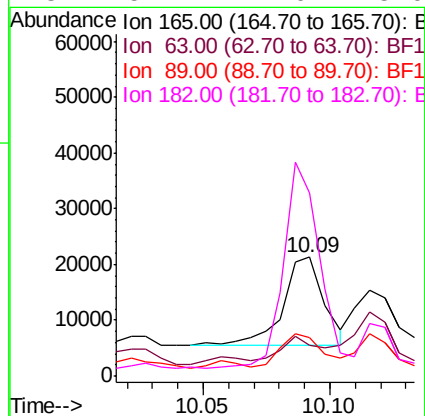
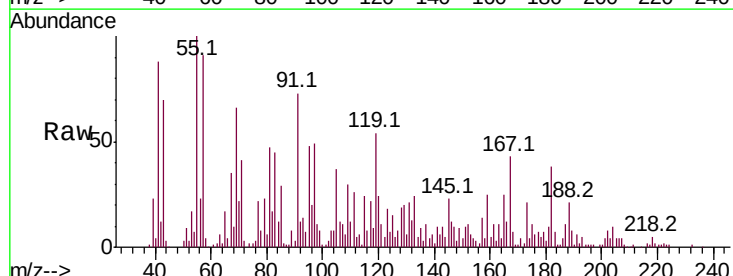
Instrument :
BNA_F
ClientSampled :

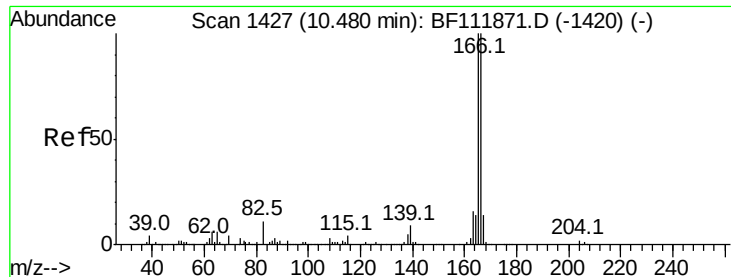
Tot Ion:139 Resp: 6682
Ion Ratio Lower Upper
139 100
109 314.5 52.2 92.2#
65 113.7 83.1 123.1



#57
2,4-Dinitrotoluene
Concen: 5.580 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.02 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Tgt Ion:165 Resp: 17478
Ion Ratio Lower Upper
165 100
63 25.4 34.1 51.1#
89 32.2 53.5 80.3#
182 154.7 2.0 3.0#

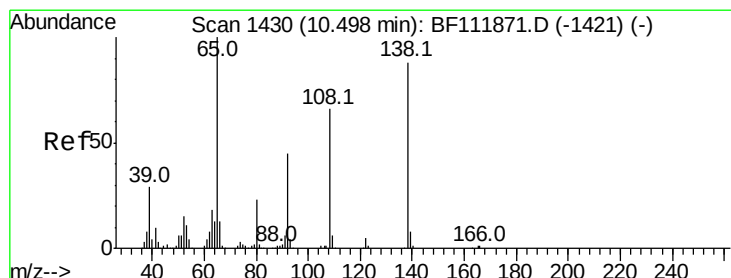
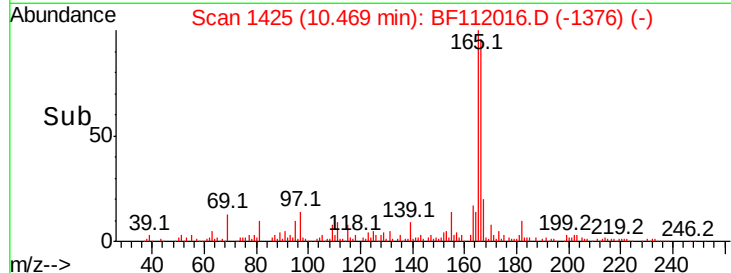
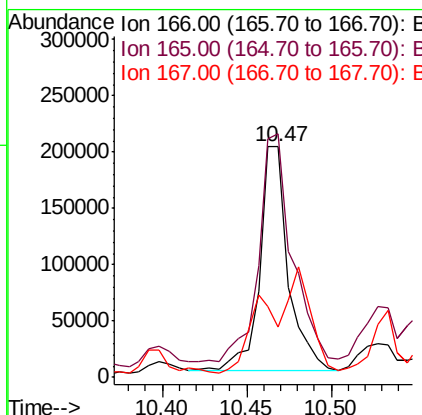
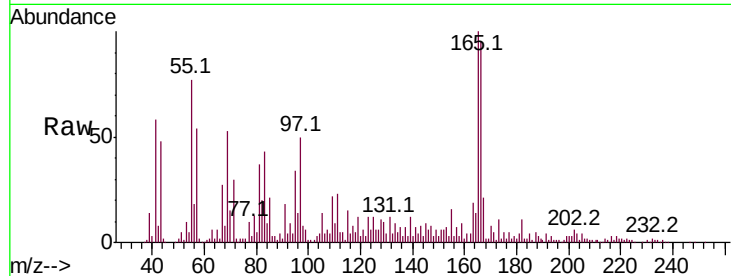




#58
 Fluorene
 Concen: 24.696 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF112016.D
 Acq: 11 Jan 2019 15:40

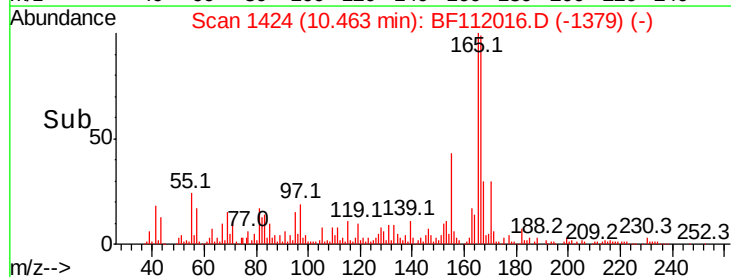
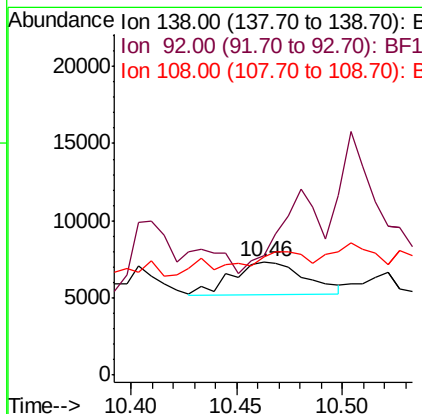
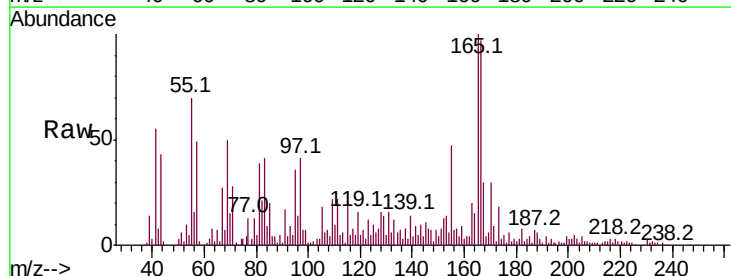
Instrument :
 BNA_F
 ClientSampled :

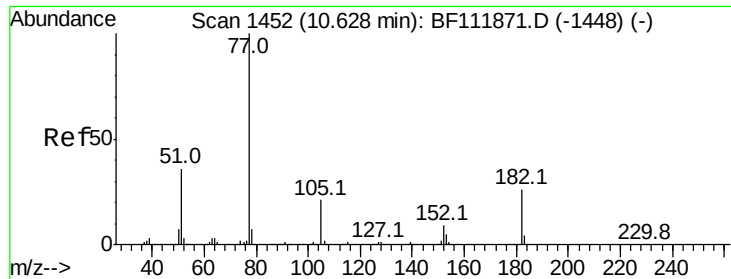
Tot Ion:166 Resp: 235960
 Ion Ratio Lower Upper
 166 100
 165 105.7 79.7 119.5
 167 21.8 11.1 16.7#



#62
 4-Nitroaniline
 Concen: 2.062 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.04 min
 Lab File: BF112016.D
 Acq: 11 Jan 2019 15:40

Tgt Ion:138 Resp: 5078
 Ion Ratio Lower Upper
 138 100
 92 105.5 31.0 71.0#
 108 104.1 54.7 94.7#

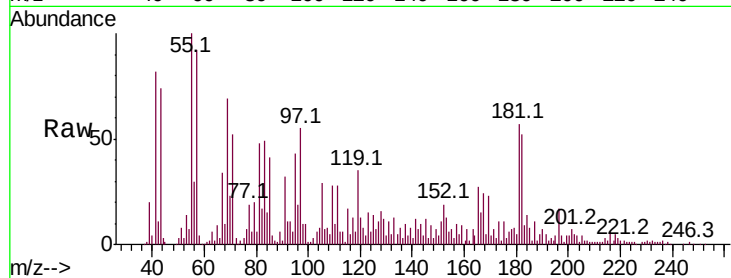




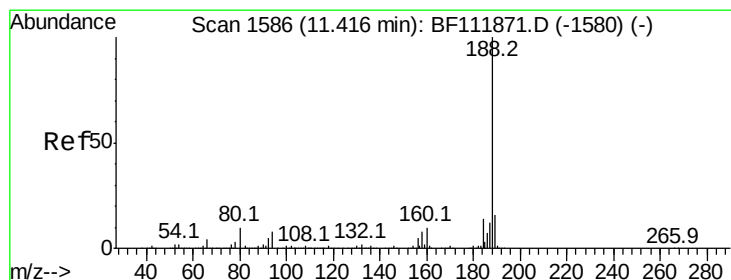
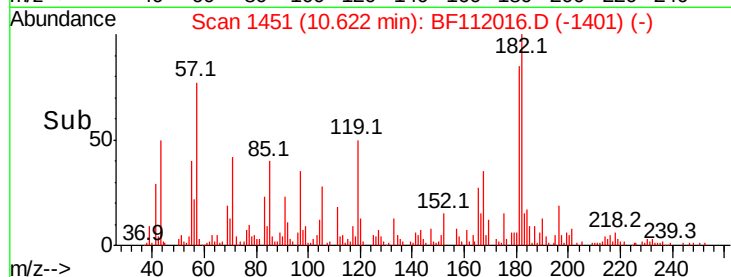
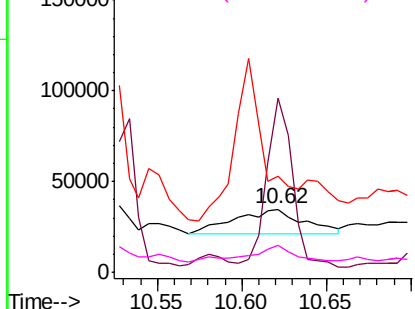
#63
Azobenzene
Concen: 3.672 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 36798
Ion Ratio Lower Upper
77 100
182 275.0 5.7 45.7#
105 152.2 0.8 40.8#
51 41.9 15.6 55.6

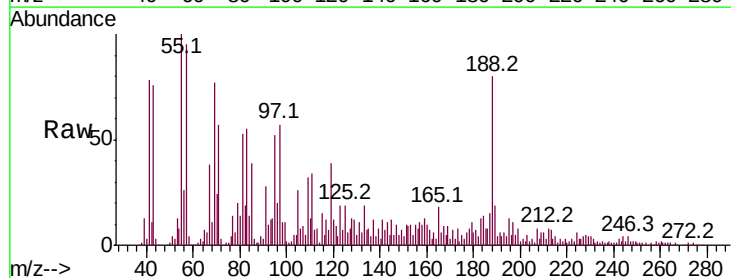


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

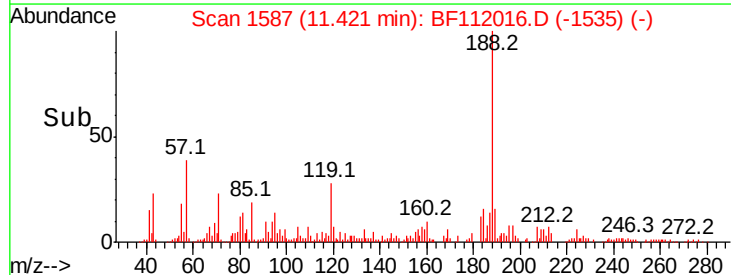
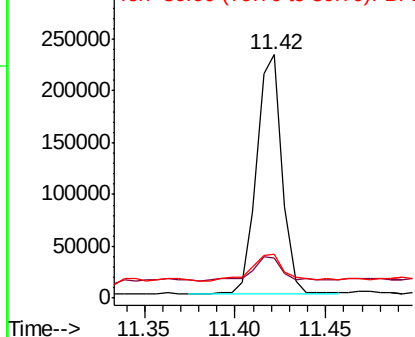


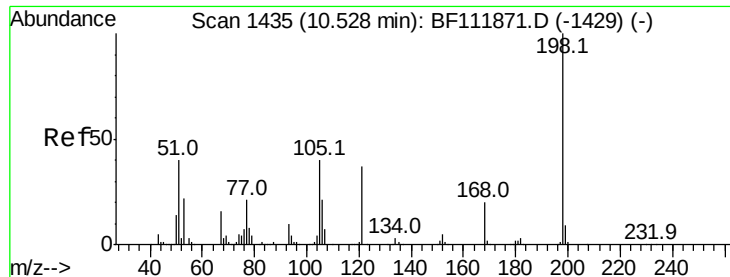
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF112016.D
Acq: 11 Jan 2019 15:40

Tgt Ion: 188 Resp: 224575
Ion Ratio Lower Upper
188 100
94 16.2 6.6 10.0#
80 18.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

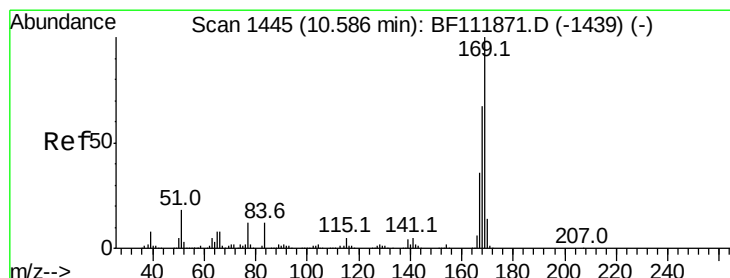
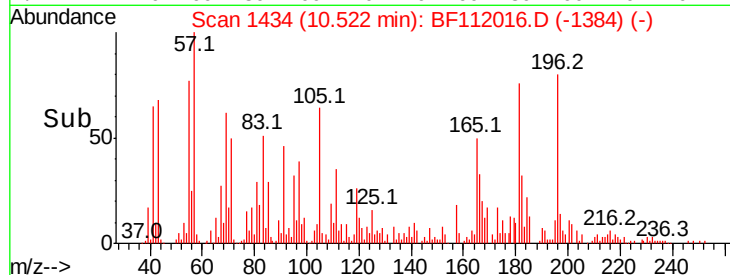
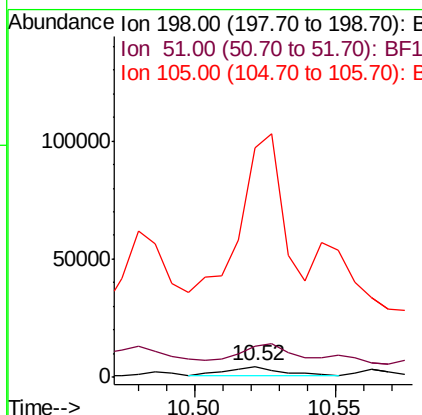
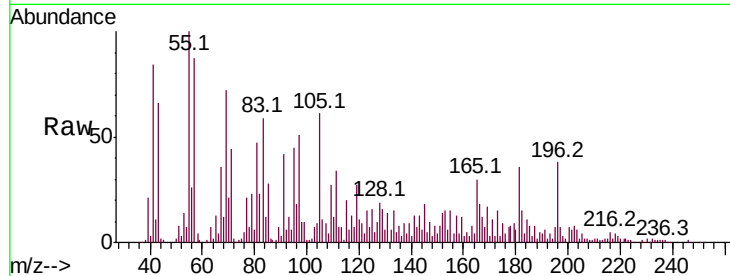




#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.686 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF112016.D
 Acq: 11 Jan 2019 15:40

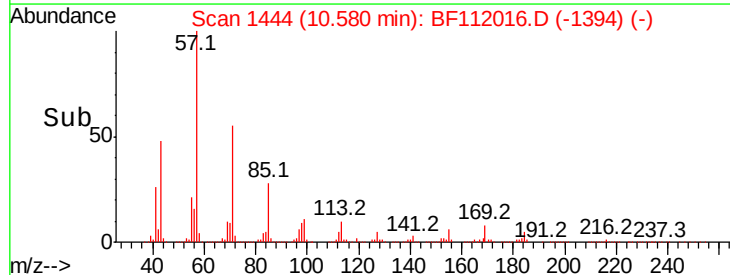
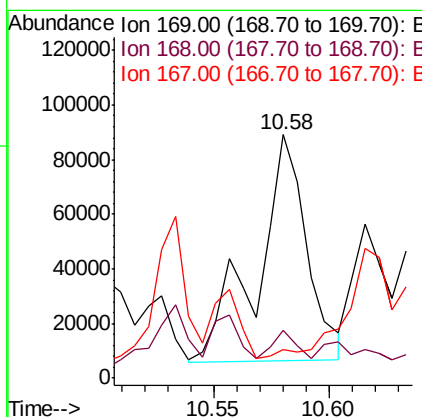
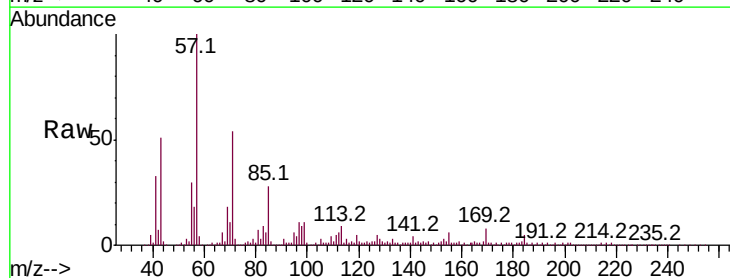
Instrument :
 BNA_F
 ClientSampleId :

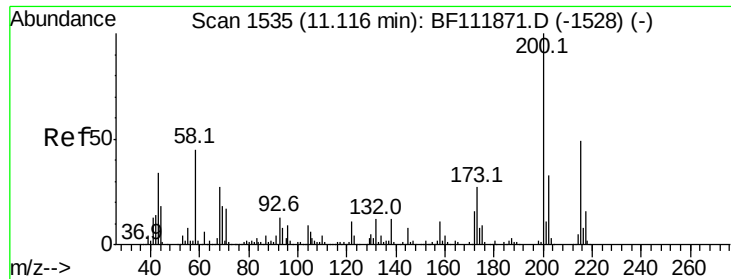
Tot Ion:198 Resp: 5108
 Ion Ratio Lower Upper
 198 100
 51 281.0 27.2 67.2#
 105 2064.7 21.0 61.0#



#66
 n-Nitrosodiphenylamine
 Concen: 16.439 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: BF112016.D
 Acq: 11 Jan 2019 15:40

Tgt Ion:169 Resp: 123889
 Ion Ratio Lower Upper
 169 100
 168 19.4 53.8 80.6#
 167 11.5 29.1 43.7#

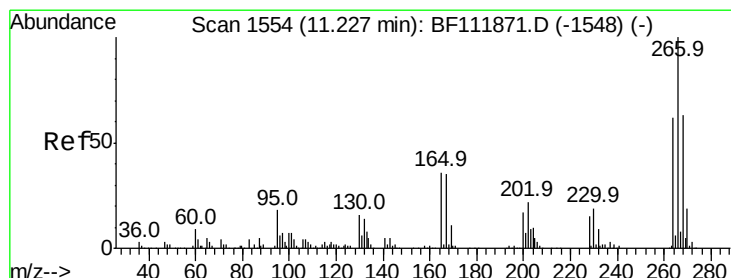
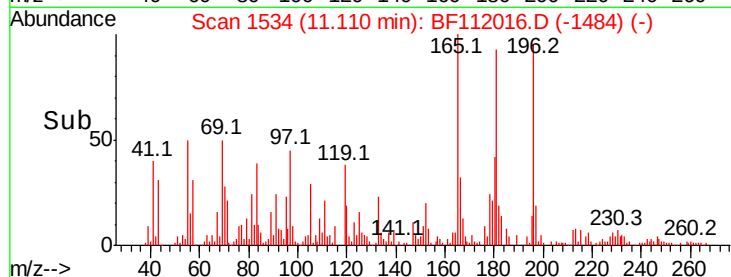
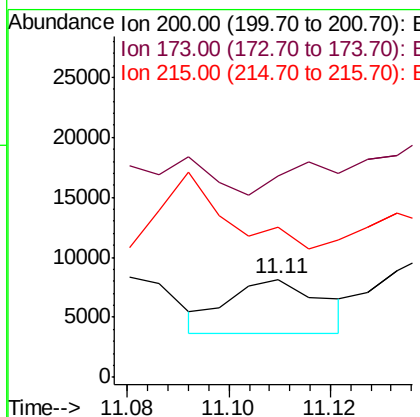
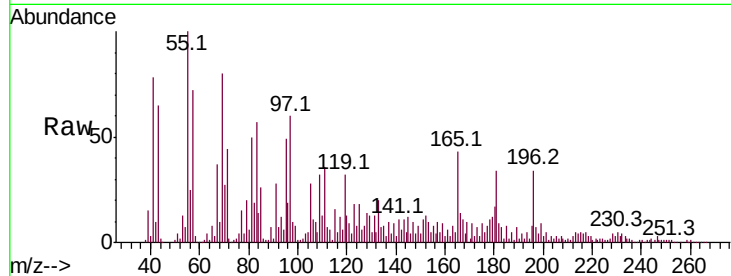




#69
 Atrazine
 Concen: 2.172 ng
 RT: 11.11 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: BF112016.D
 Acq: 11 Jan 2019 15:40

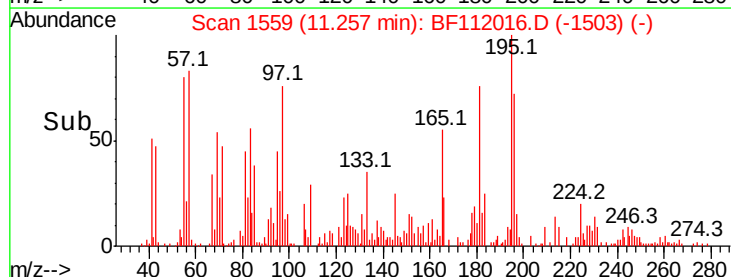
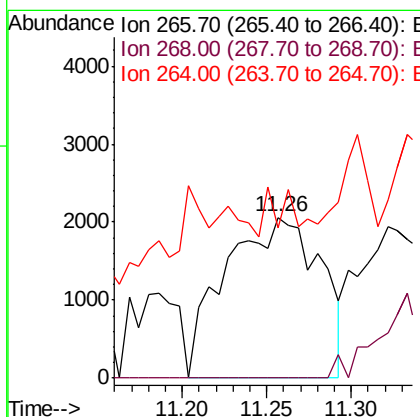
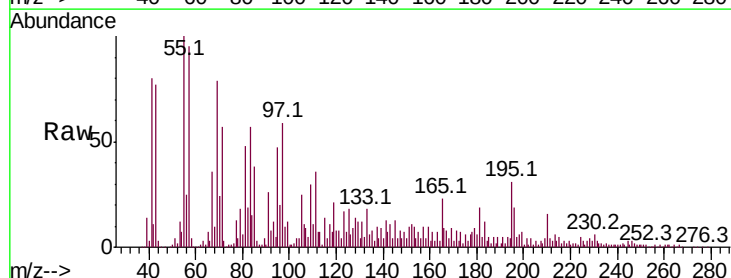
Instrument :
 BNA_F
 ClientSampleId :

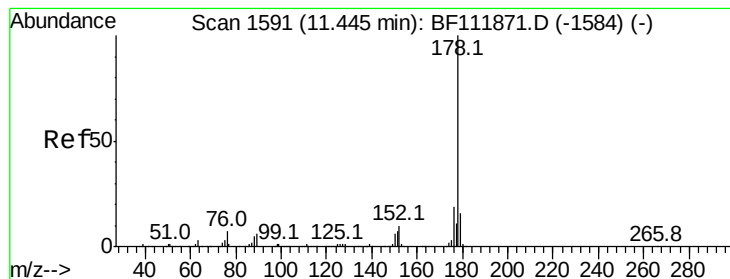
Tot Ion:200 Resp: 5751
 Ion Ratio Lower Upper
 200 100
 173 205.3 6.6 46.6#
 215 153.7 28.9 68.9#



#70
 Pentachlorophenol
 Concen: 4.408 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. 0.03 min
 Lab File: BF112016.D
 Acq: 11 Jan 2019 15:40

Tgt Ion:266 Resp: 8087
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.6 76.0#
 264 93.8 49.3 73.9#





#71

Phenanthrene

Concen: 44.591 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampleId :

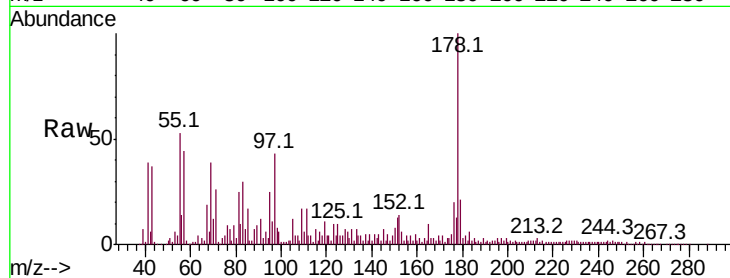
Tot Ion:178 Resp: 535394

Ion Ratio Lower Upper

178 100

176 20.2 15.6 23.4

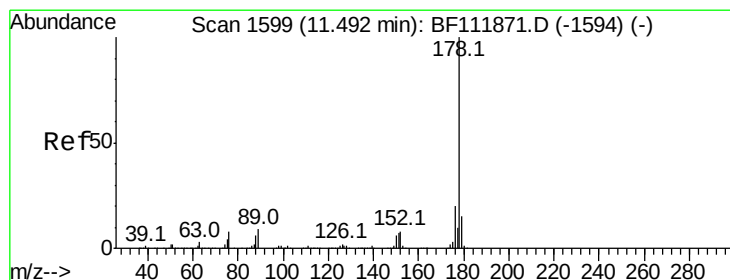
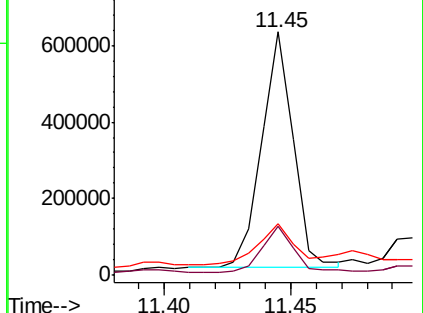
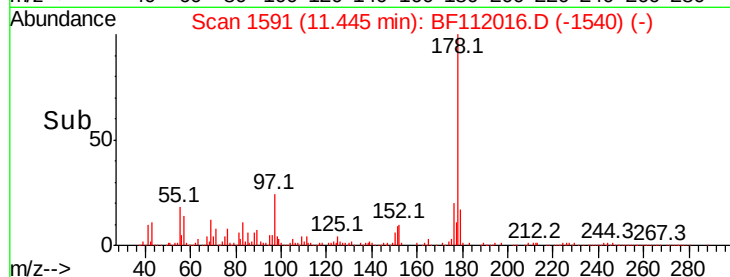
179 21.1 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 6.615 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

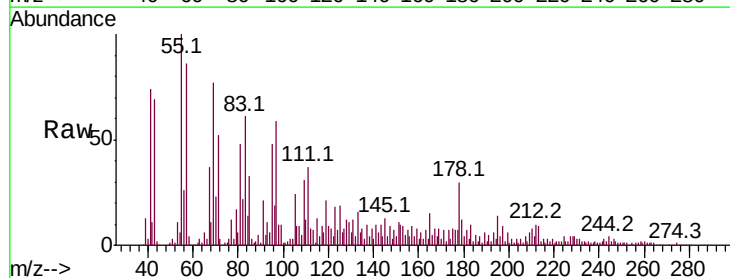
Tgt Ion:178 Resp: 80629

Ion Ratio Lower Upper

178 100

176 25.0 15.7 23.5#

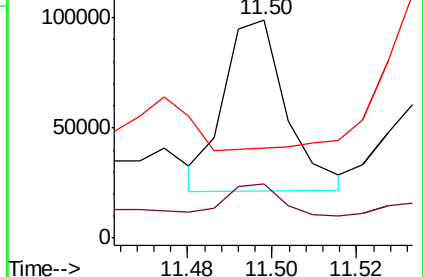
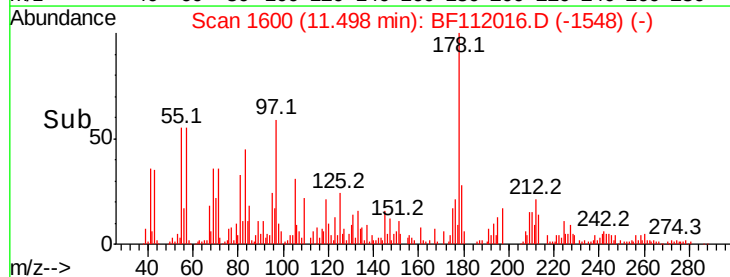
179 41.3 12.4 18.6#

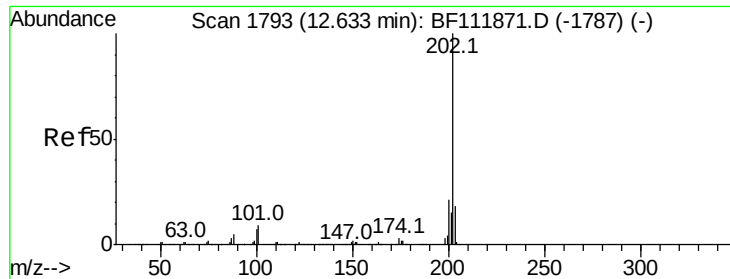


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 21.073 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.02 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampleId :

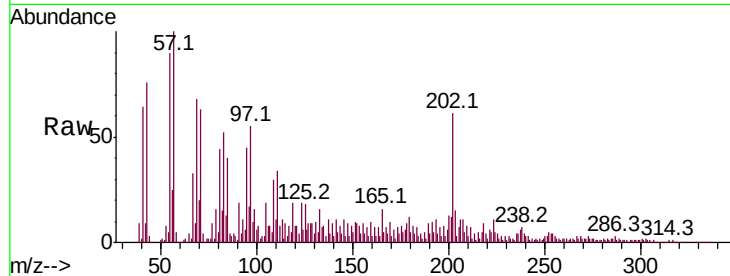
Tot Ion:202 Resp: 259754

Ion Ratio Lower Upper

202 100

101 13.5 0.0 29.3

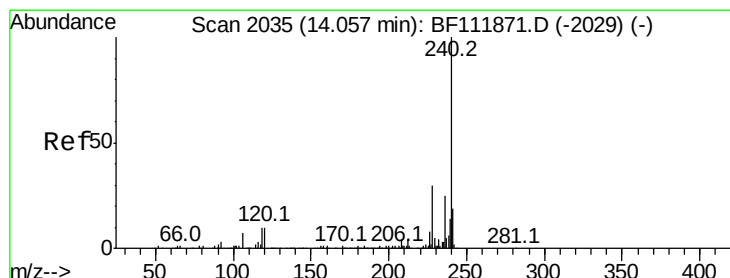
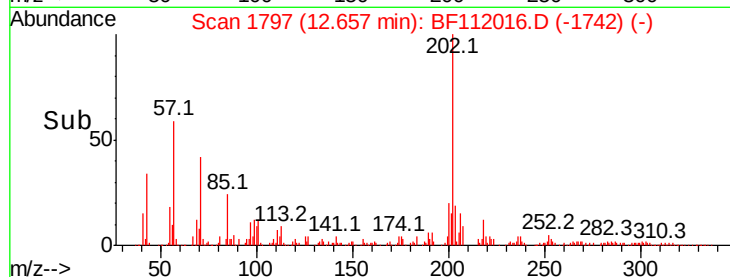
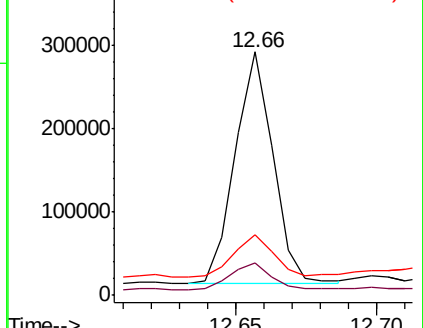
203 24.7 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.04 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

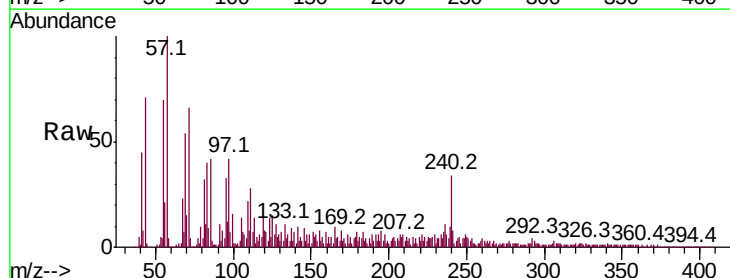
Tgt Ion:240 Resp: 218713

Ion Ratio Lower Upper

240 100

120 24.7 8.2 12.2#

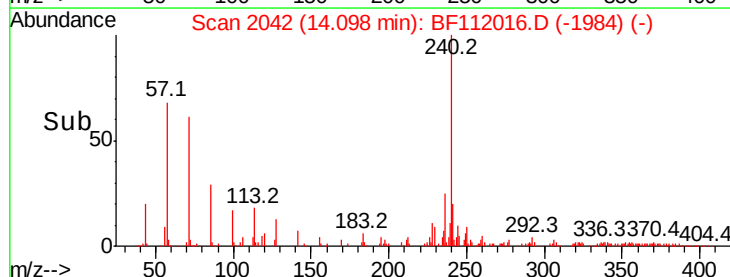
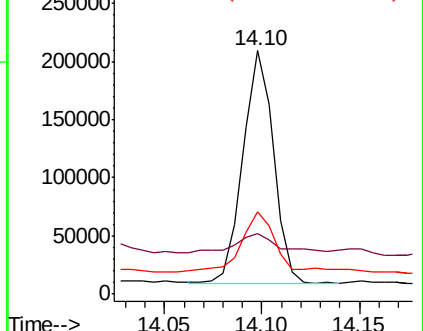
236 33.8 20.2 30.4#

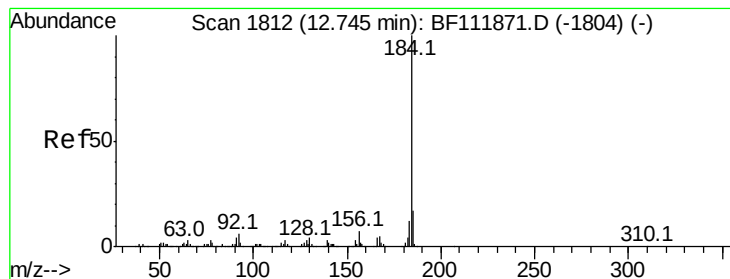


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.022 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.02 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampleId :

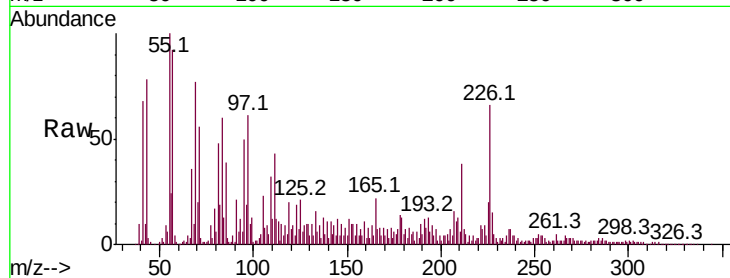
Tot Ion:184 Resp: 13214

Ion Ratio Lower Upper

184 100

185 114.8 13.4 20.0#

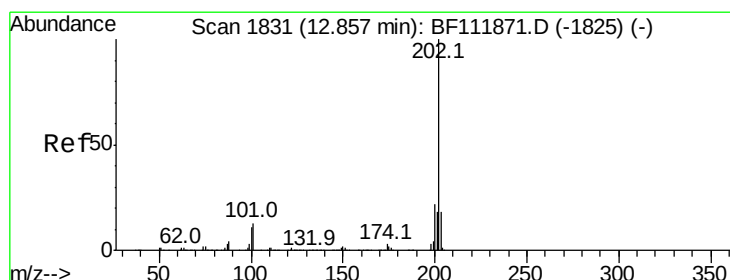
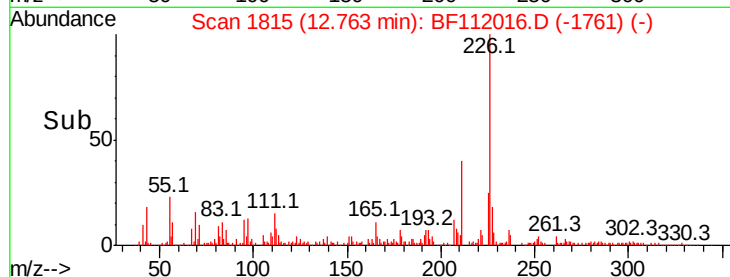
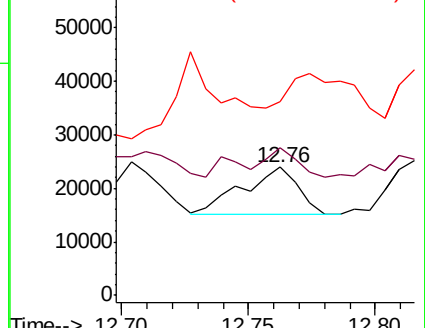
183 150.7 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 13.449 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.04 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

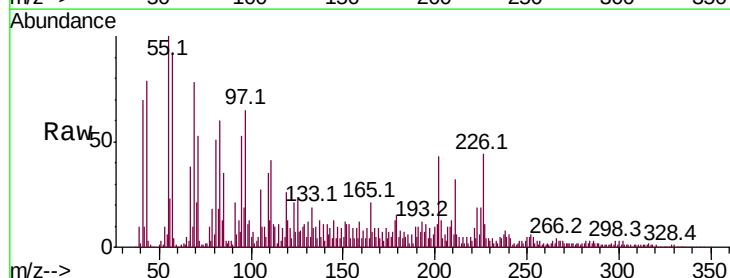
Tgt Ion:202 Resp: 202396

Ion Ratio Lower Upper

202 100

200 23.2 17.4 26.2

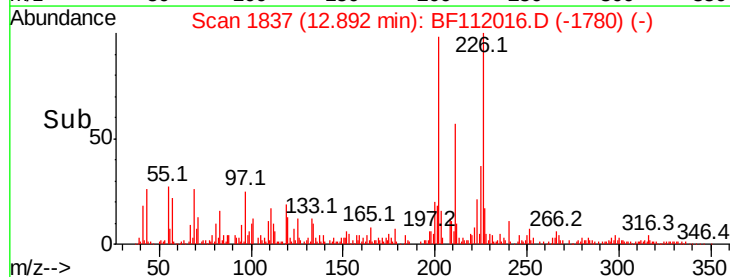
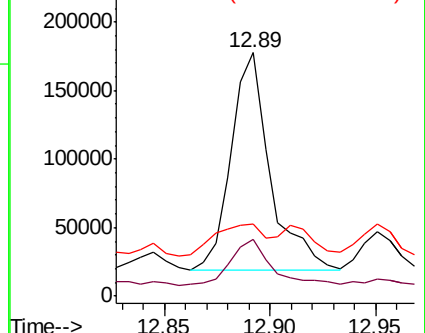
203 29.7 14.6 21.8#

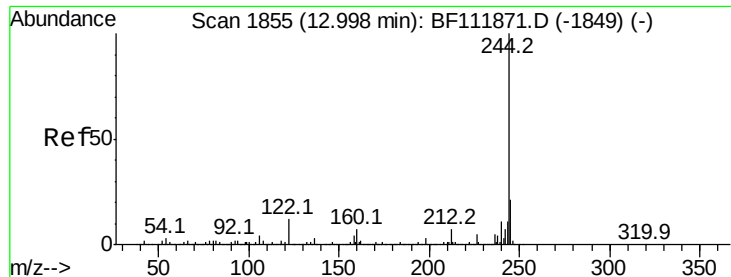


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.638 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.03 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampled :

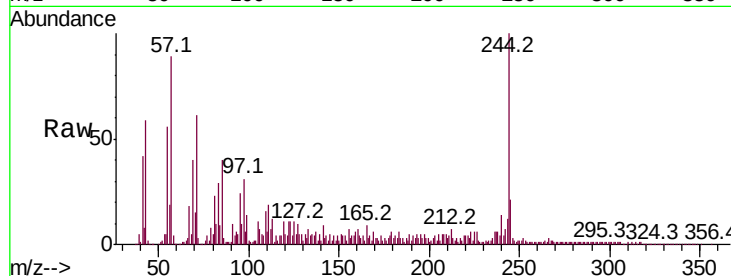
Tot Ion:244 Resp: 859979

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

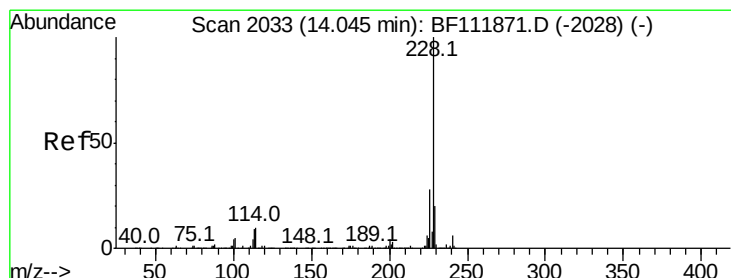
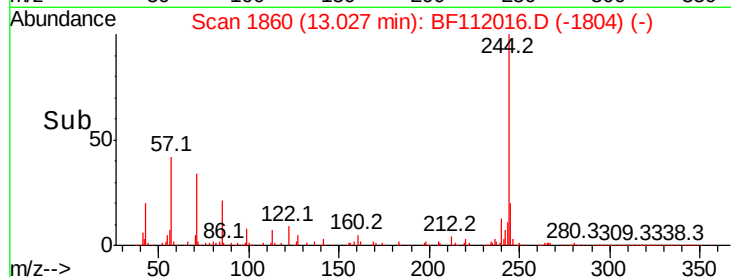
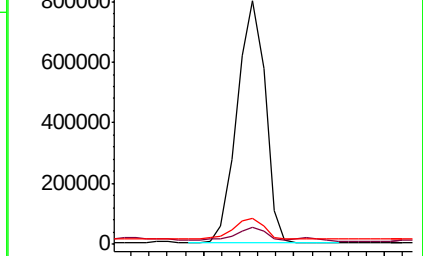
122 10.8 9.5 14.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.769 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.04 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

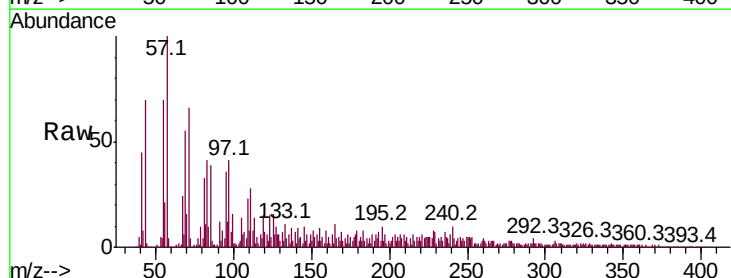
Tgt Ion:228 Resp: 47447

Ion Ratio Lower Upper

228 100

226 59.4 22.2 33.2#

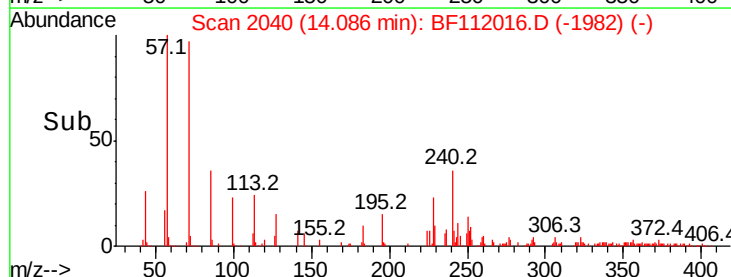
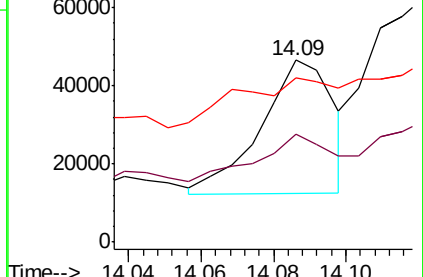
229 90.3 16.2 24.2#

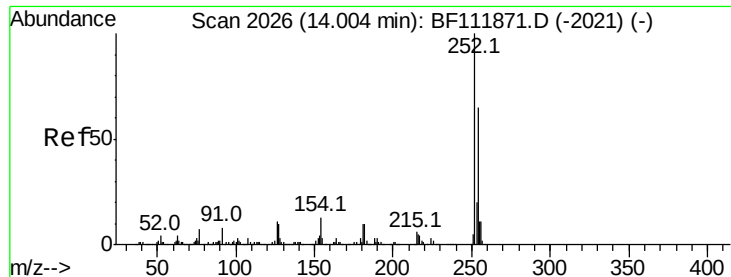


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

3,3'-Dichlorobenzidine

Concen: 3.099 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampled :

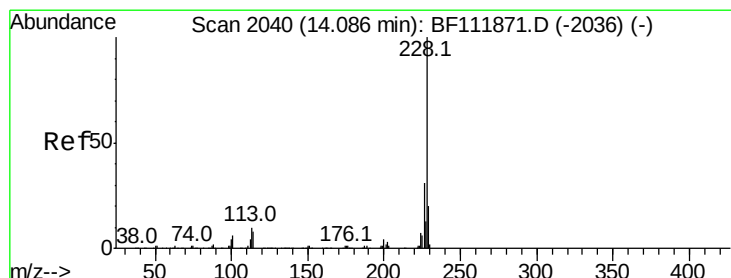
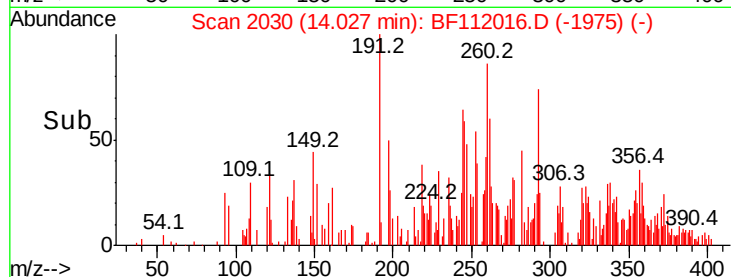
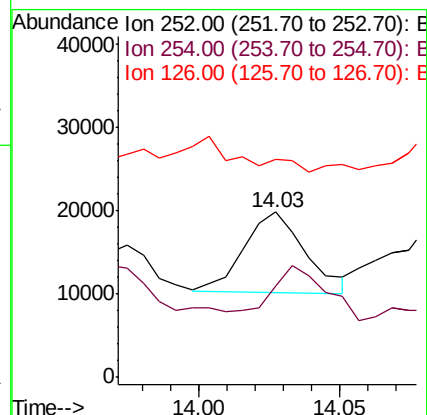
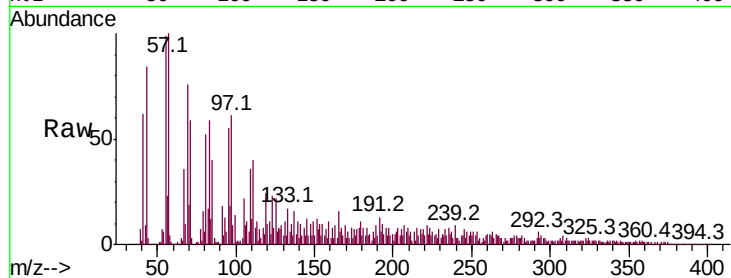
Tot Ion:252 Resp: 14402

Ion Ratio Lower Upper

252 100

254 55.6 52.1 78.1

126 131.8 8.6 12.8#



#83

Chrysene

Concen: 7.511 ng

RT: 14.12 min Scan# 2046

Delta R.T. 0.04 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

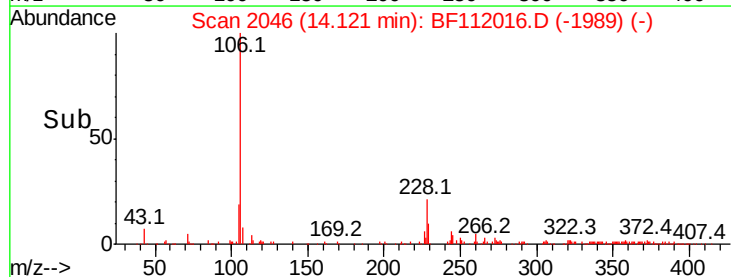
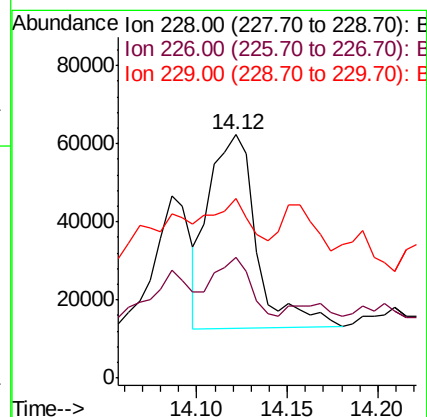
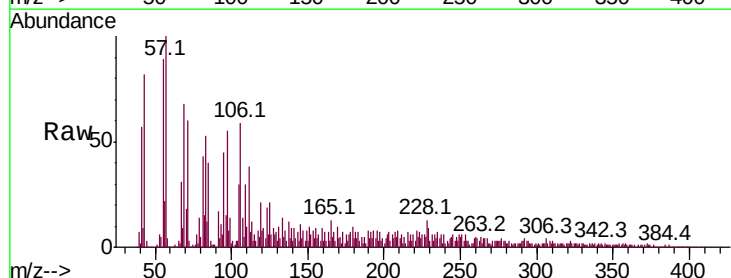
Tgt Ion:228 Resp: 90141

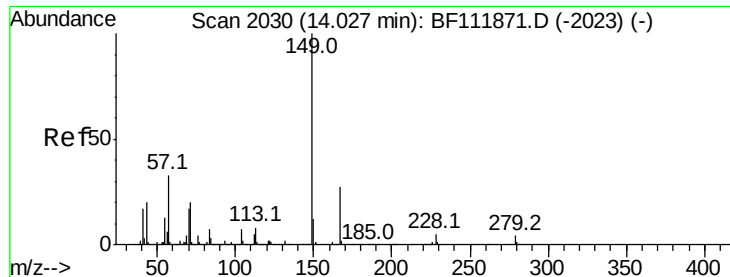
Ion Ratio Lower Upper

228 100

226 49.4 24.6 37.0#

229 73.6 15.7 23.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 21.967 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.03 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampleId :

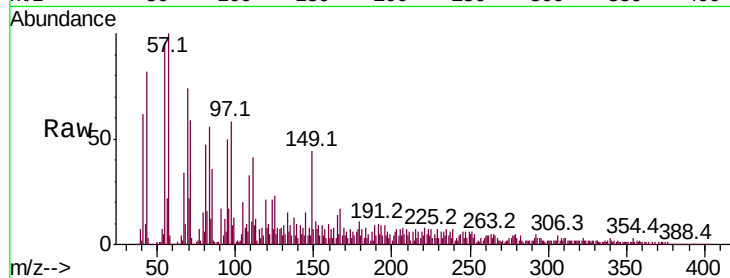
Tot Ion:149 Resp: 183545

Ion Ratio Lower Upper

149 100

167 38.6 21.5 32.3#

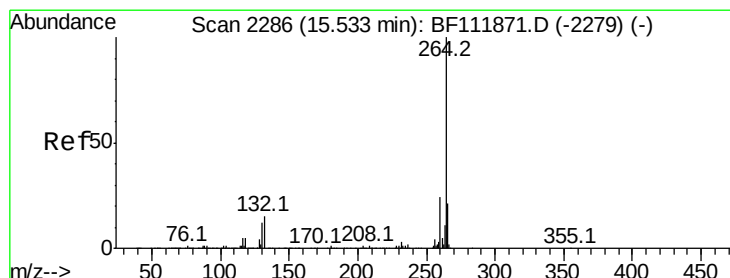
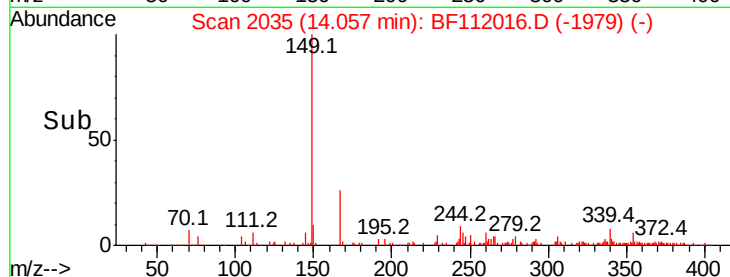
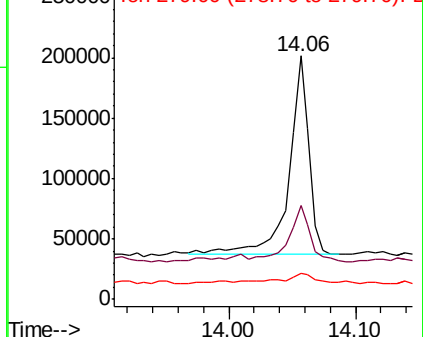
279 10.7 3.0 4.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

Delta R.T. 0.06 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

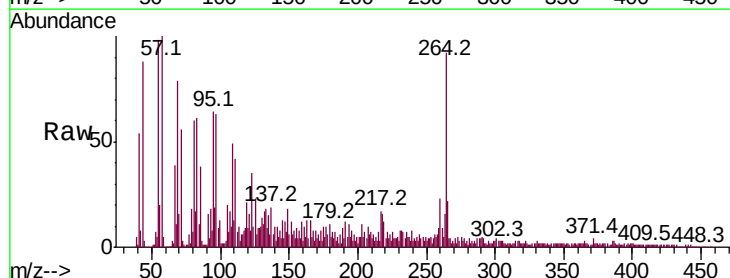
Tgt Ion:264 Resp: 183587

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

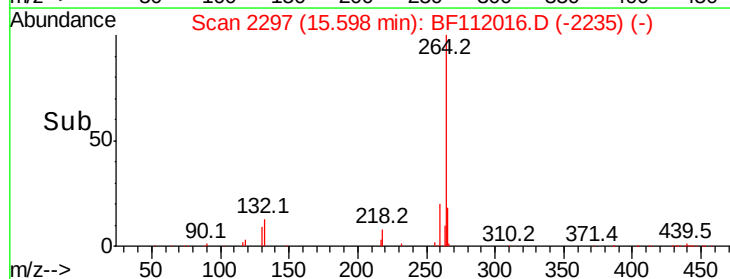
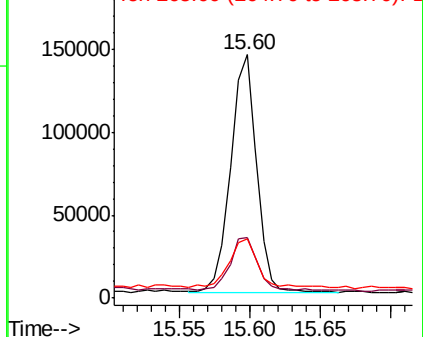
265 24.2 17.1 25.7

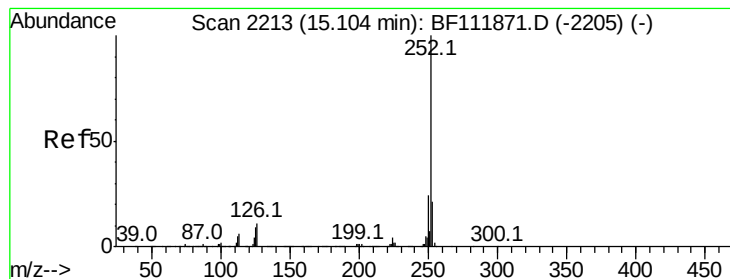


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.080 ng

RT: 15.16 min Scan# 2222

Delta R.T. 0.05 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

Instrument :

BNA_F

ClientSampleId :

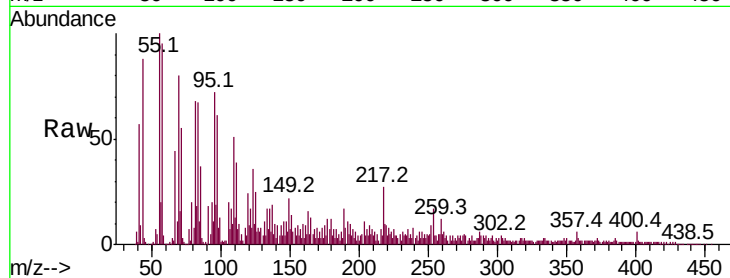
Tot Ion:252 Resp: 33823

Ion Ratio Lower Upper

252 100

253 179.8 17.0 25.6#

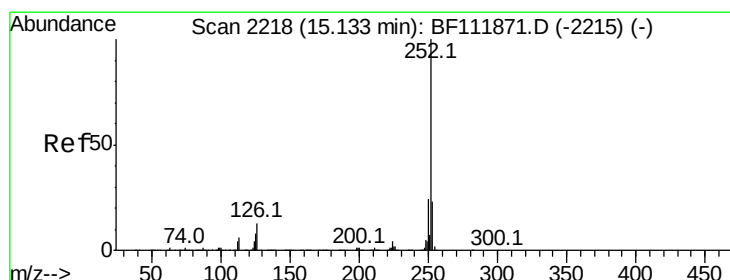
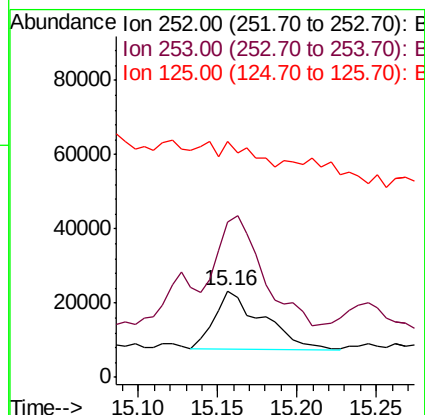
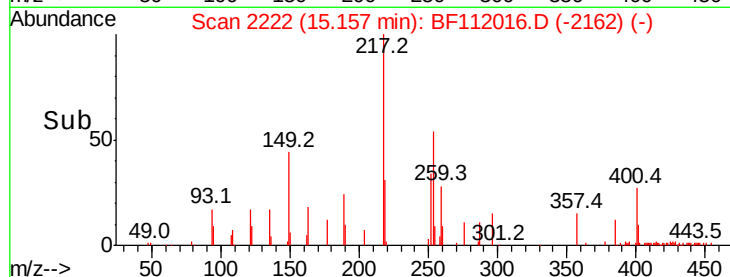
125 273.5 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 3.276 ng

RT: 15.16 min Scan# 2222

Delta R.T. 0.02 min

Lab File: BF112016.D

Acq: 11 Jan 2019 15:40

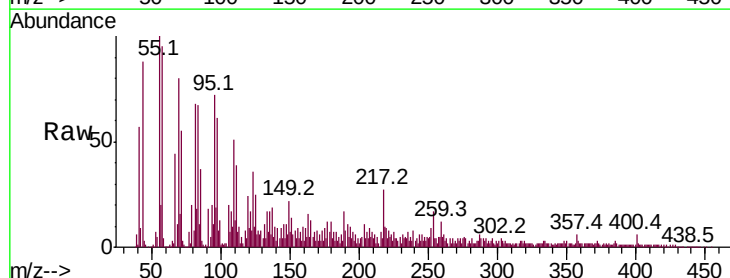
Tgt Ion:252 Resp: 33823

Ion Ratio Lower Upper

252 100

253 179.8 17.8 26.6#

125 273.5 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

