

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111823.D
 Acq On : 3 Jan 2019 16:16
 Operator : JU/SJ
 Sample : K1017-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 01:31:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	256791	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	712221	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	437933	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	532199	20.00	ng	0.01
76) Chrysene-d12	14.07	240	557635	20.00	ng	0.02
87) Perylene-d12	15.56	264	294440	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1353865	89.87	ng	0.02
7) Phenol-d6	6.55	99	1653336	86.23	ng	0.02
23) Nitrobenzene-d5	7.46	82	898590	73.44	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	340895	65.88	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1851018	61.61	ng	0.00
79) Terphenyl-d14	13.01	244	979644	33.32	ng	0.01

Target Compounds

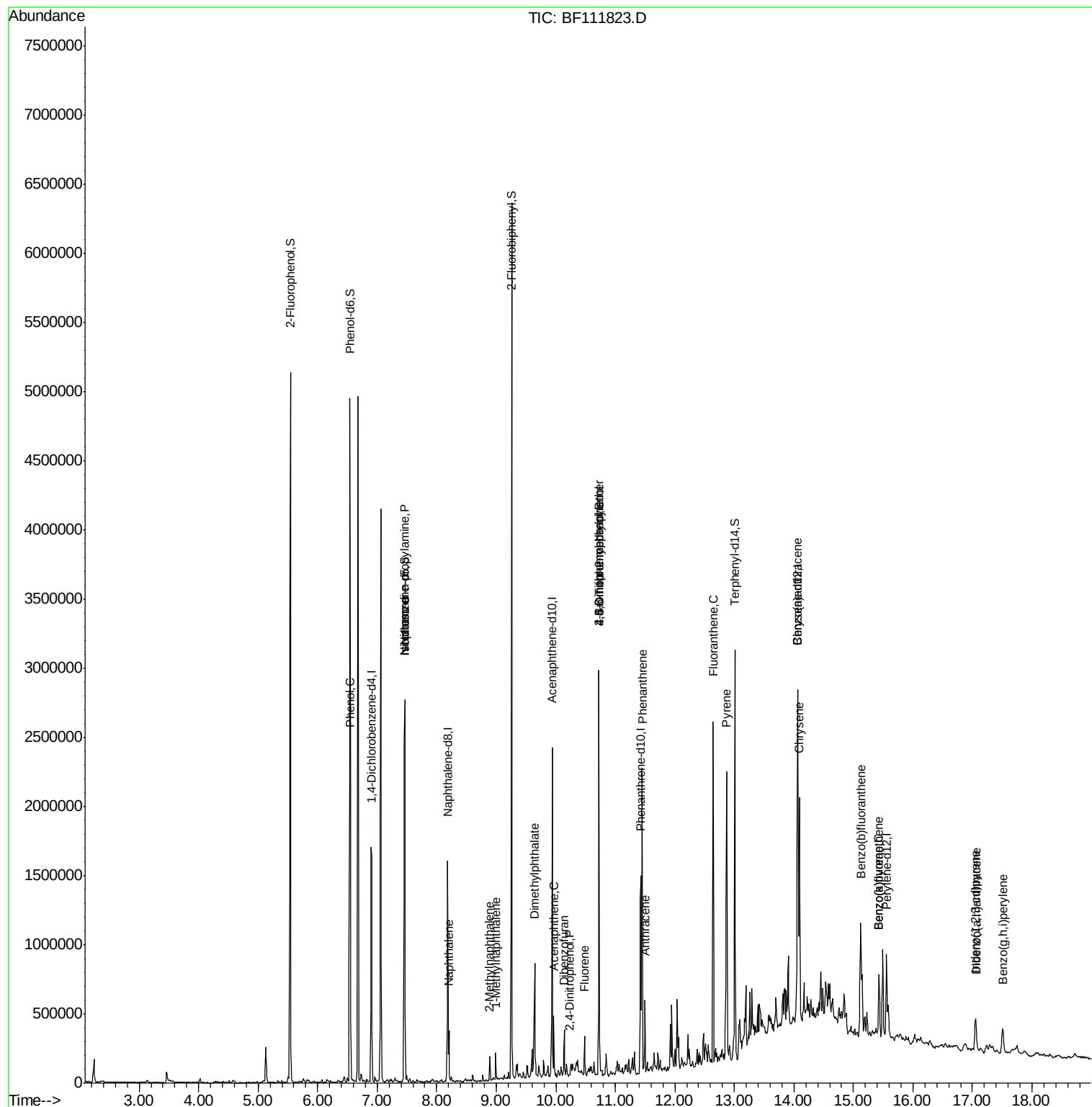
						Qvalue
10) Phenol	6.56	94	83636	3.866	ng	92
19) n-Nitroso-di-n-propylamine	7.46	70	123823	9.725	ng	# 74
25) Isophorone	7.46	82	891446	41.039	ng	# 64
31) Naphthalene	8.20	128	133784	3.909	ng	96
37) 2-Methylnaphthalene	8.89	142	44944	2.019	ng	99
38) 1-Methylnaphthalene	8.99	142	46275	2.164	ng	98
50) Dimethylphthalate	9.65	163	290447	9.069	ng	98
52) Acenaphthene	9.97	154	83017	3.148	ng	99
54) 2,4-Dinitrophenol	10.23	184	428	7.497	ng	# 12
55) Dibenzofuran	10.14	168	97698	2.452	ng	93
58) Fluorene	10.49	166	74374	2.590	ng	98
65) 4,6-Dinitro-2-methylphenol	10.73	198	749	6.986	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	20446	3.097	ng	# 1
71) Phenanthrene	11.45	178	763728	27.059	ng	94
72) Anthracene	11.50	178	181948	6.422	ng	94
75) Fluoranthene	12.64	202	920200	32.196	ng	94
78) Pyrene	12.87	202	899207	22.835	ng	97
81) Benzo(a)anthracene	14.06	228	702086	22.062	ng	99
83) Chrysene	14.09	228	604275	19.319	ng	97
86) Indeno(1,2,3-cd)pyrene	17.05	276	160157	6.023	ng	# 84
88) Benzo(b)fluoranthene	15.12	252	633127	36.792	ng	# 97
89) Benzo(k)fluoranthene	15.43	252	207090	12.641	ng	97
90) Benzo(a)pyrene	15.43	252	221443	14.164	ng	97
91) Dibenzo(a,h)anthracene	17.06	278	41212	3.010	ng	# 89
92) Benzo(g,h,i)perylene	17.51	276	148318	11.095	ng	# 88

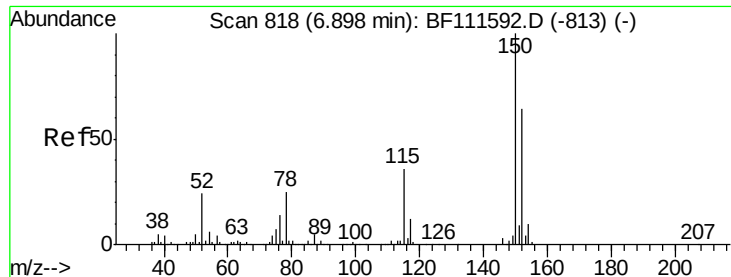
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
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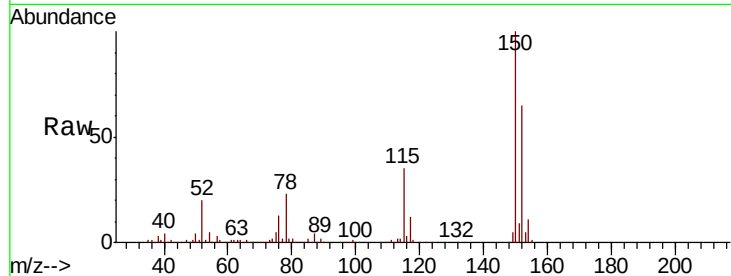


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.6	189.8
115	54.6	50.7	76.1

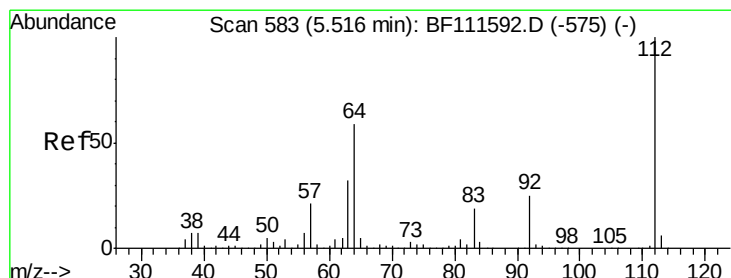
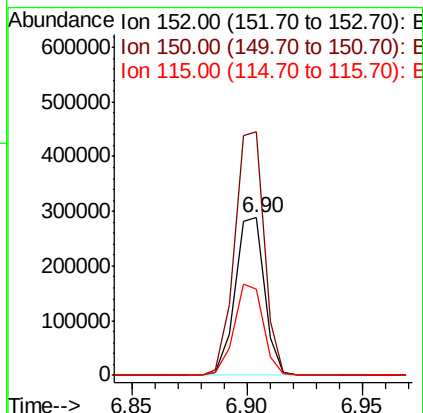
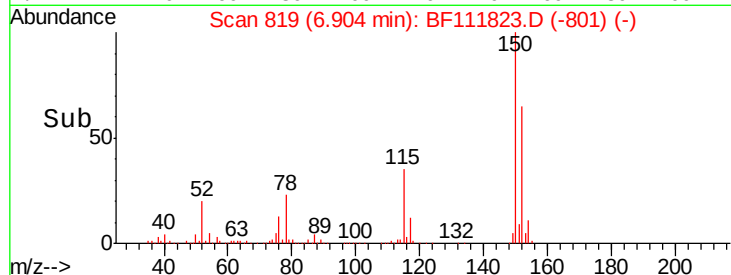


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

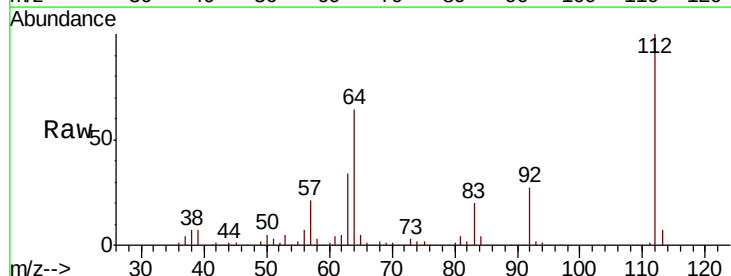
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.867 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	51.8	77.6
63	34.3	26.8	40.2

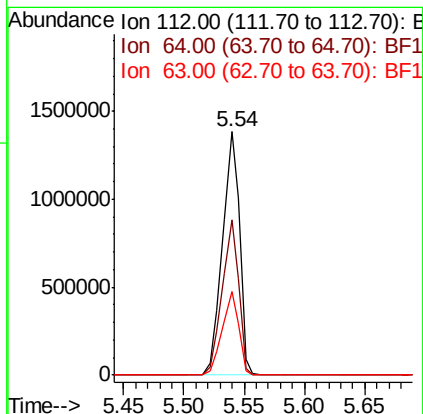
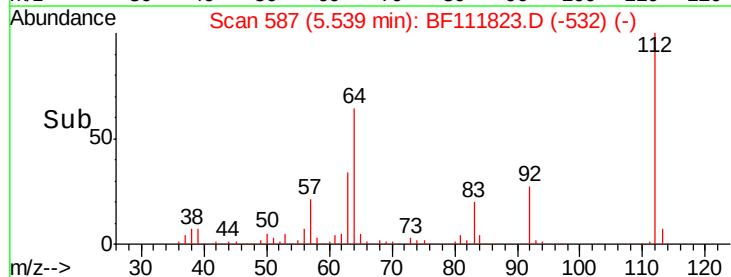


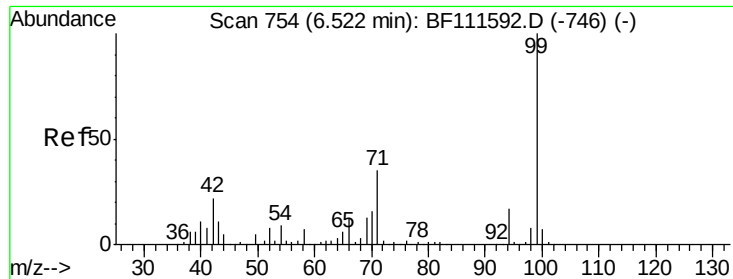
Abundance

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: 86.234 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampleId :

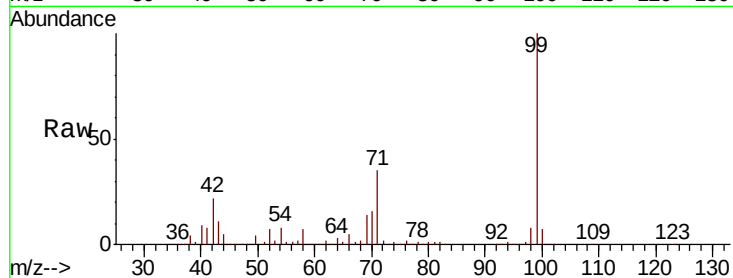
Tot Ion: 99 Resp: 1653336

Ion Ratio Lower Upper

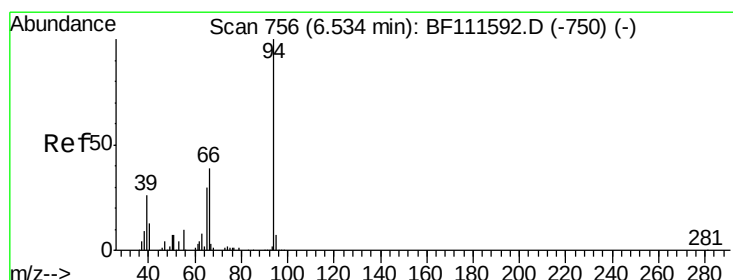
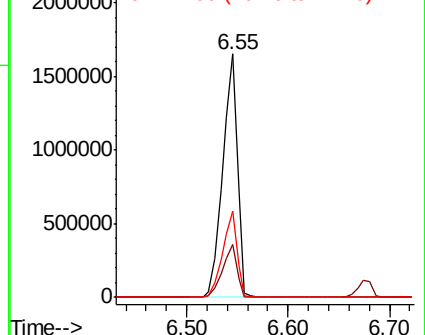
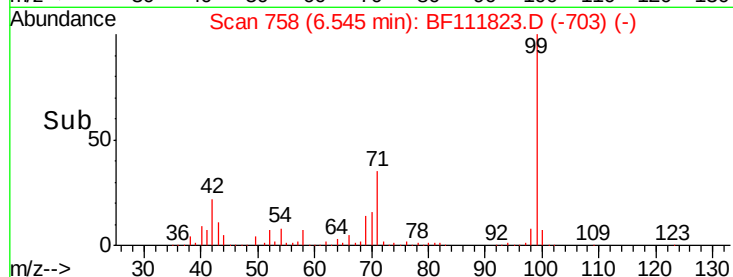
99 100

42 21.8 17.4 26.0

71 35.3 26.1 39.1



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



#10

Phenol

Concen: 3.866 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

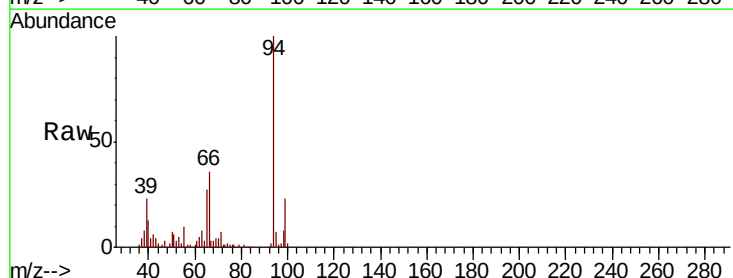
Tgt Ion: 94 Resp: 83636

Ion Ratio Lower Upper

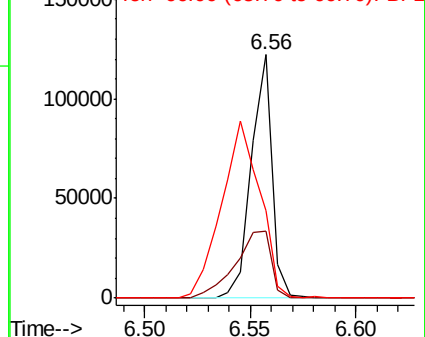
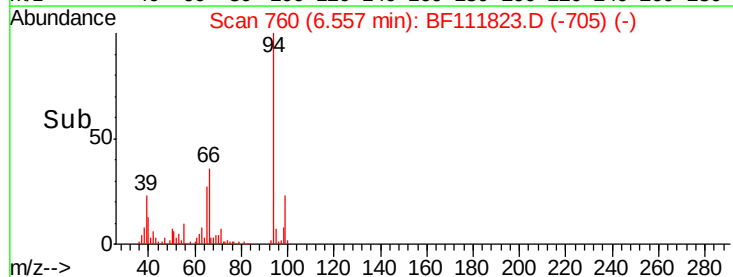
94 100

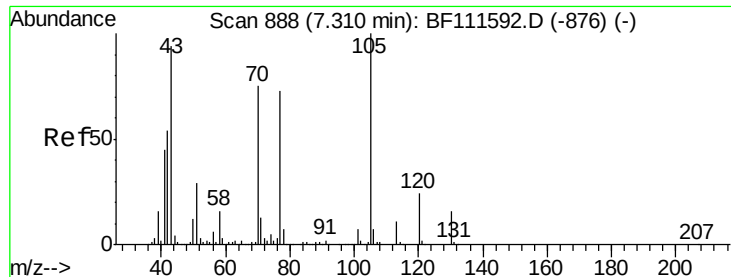
65 27.4 11.7 51.7

66 36.1 21.0 61.0



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





#19

n-Nitroso-di-n-propylamine

Concen: 9.725 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 123823

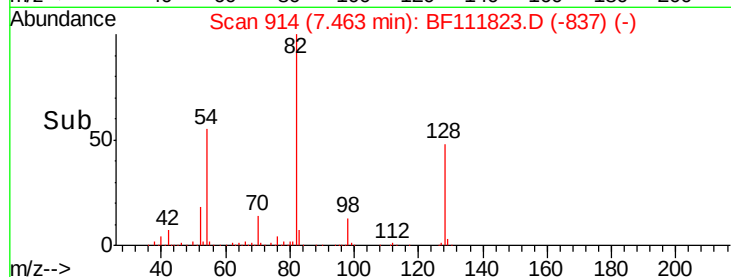
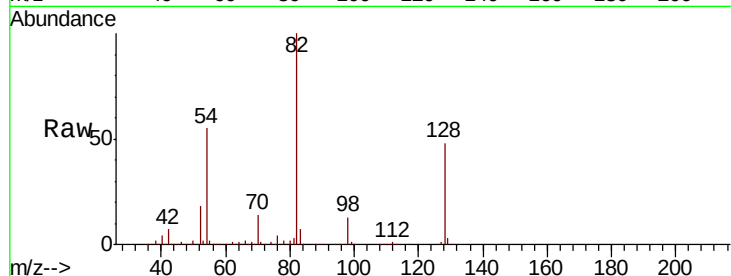
Ion Ratio Lower Upper

70 100

42 50.5 53.2 79.8#

101 0.0 8.2 12.4#

130 1.8 18.1 27.1#



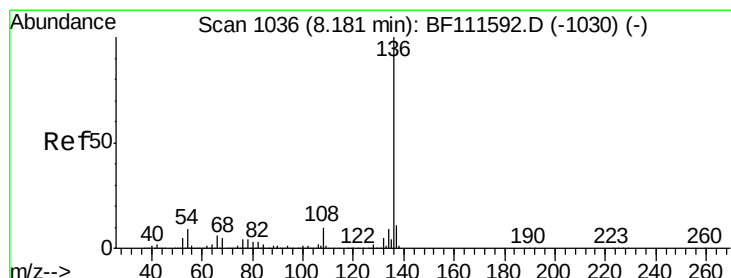
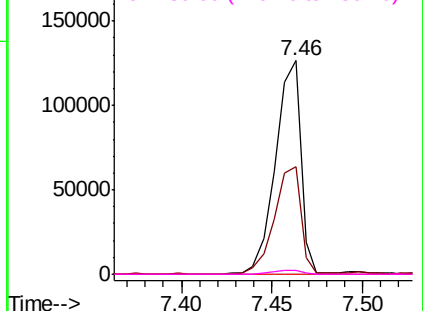
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Tgt Ion:136 Resp: 712221

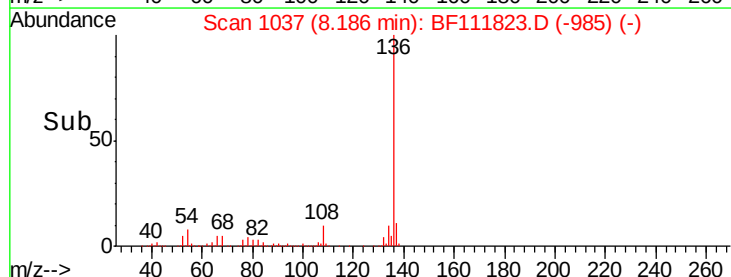
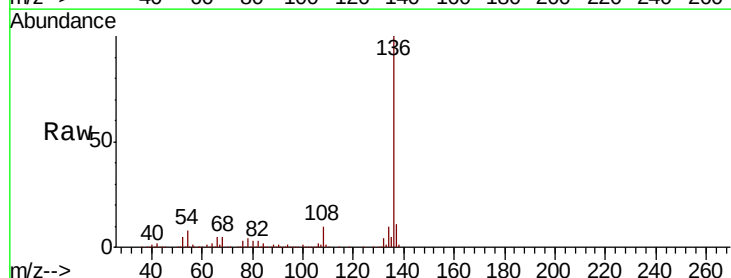
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.2 7.7 11.5

68 4.8 4.9 7.3#



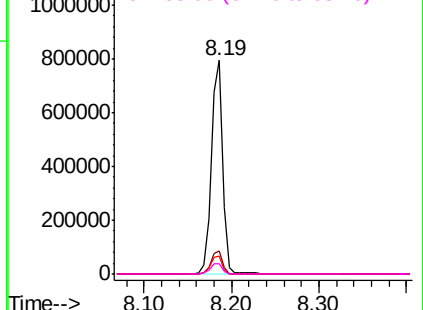
Abundance

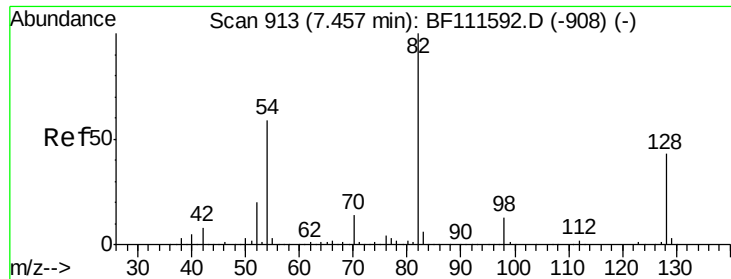
Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

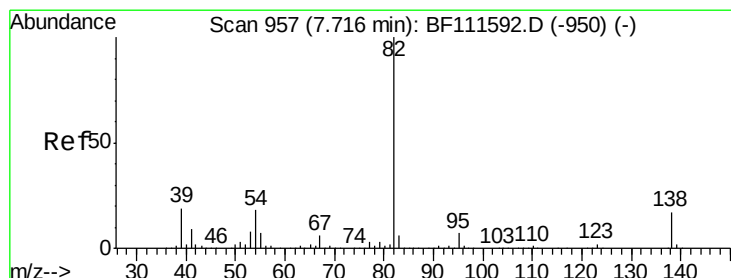
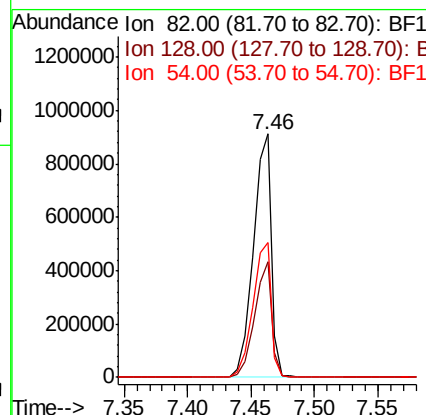
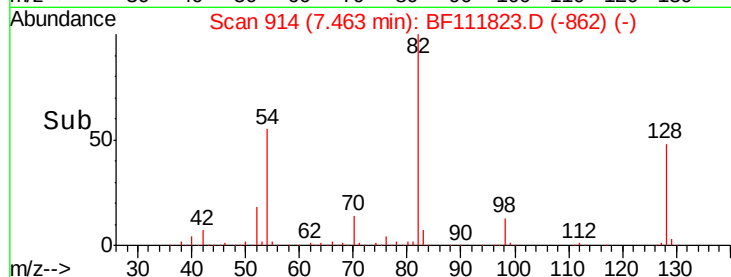
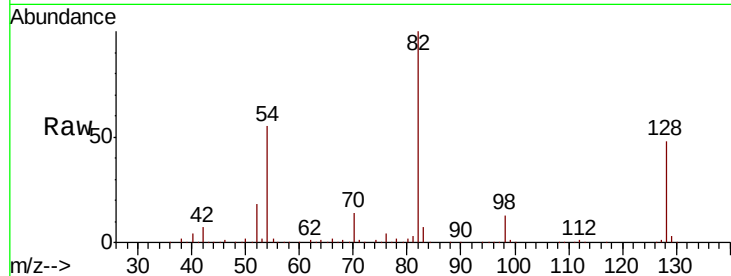




#23
Nitrobenzene-d5
Concen: 73.439 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

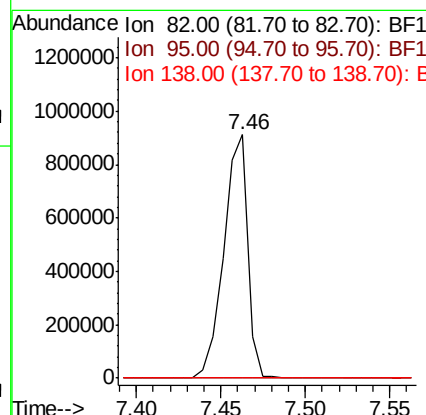
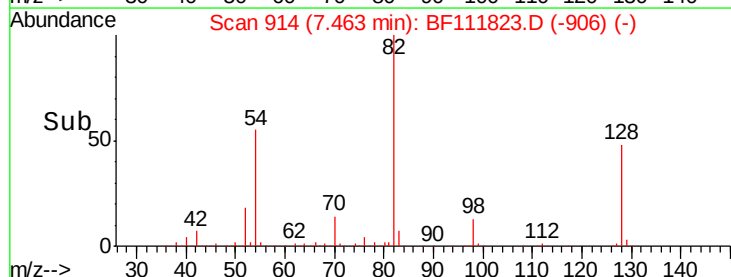
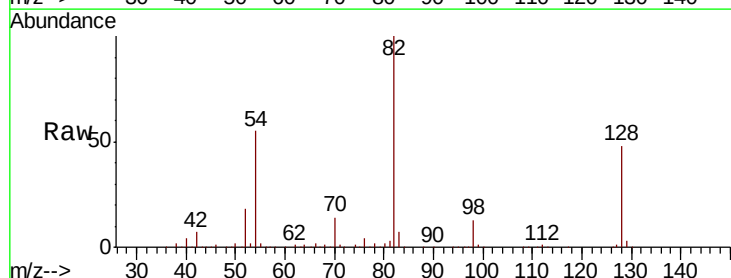
Instrument :
BNA_F
ClientSampled :

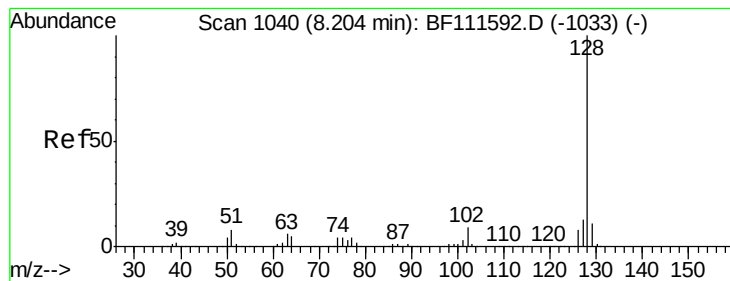
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.4	56.2
54	55.3	47.6	71.4



#25
Isophorone
Concen: 41.039 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.25 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.4	8.2#
138	0.0	15.1	22.7#





#31

Naphthalene

Concen: 3.909 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampled :

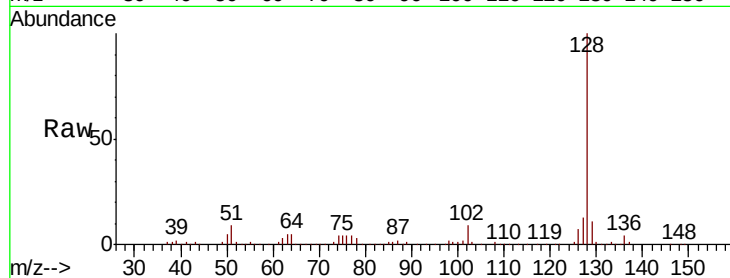
Tot Ion:128 Resp: 133784

Ion Ratio Lower Upper

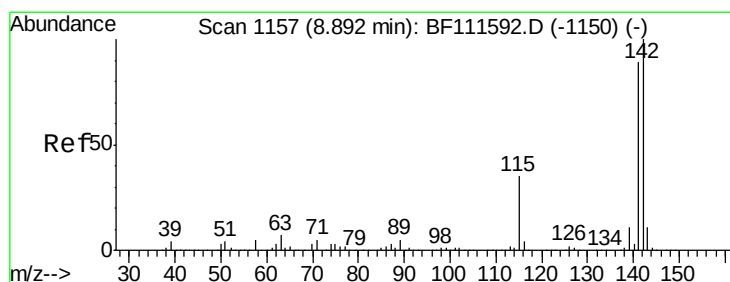
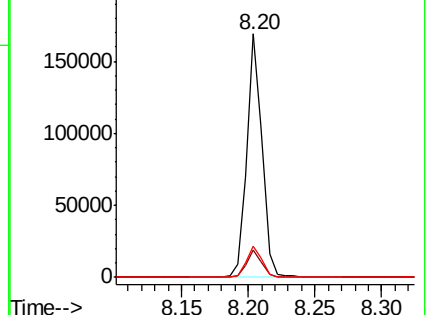
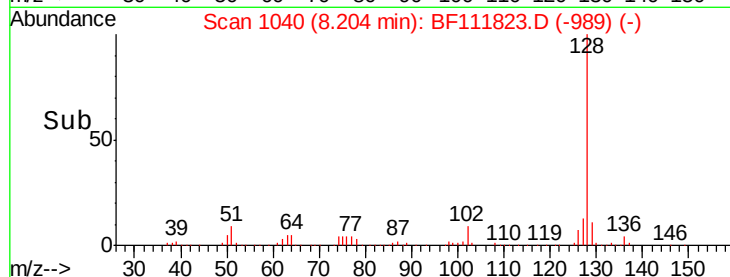
128 100

129 11.3 9.8 14.8

127 12.8 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.019 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

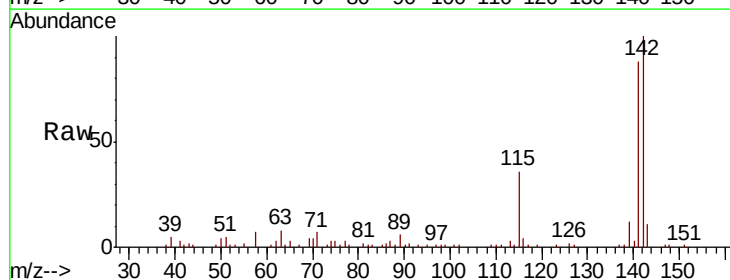
Tgt Ion:142 Resp: 44944

Ion Ratio Lower Upper

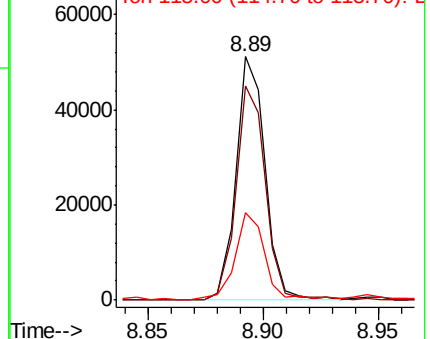
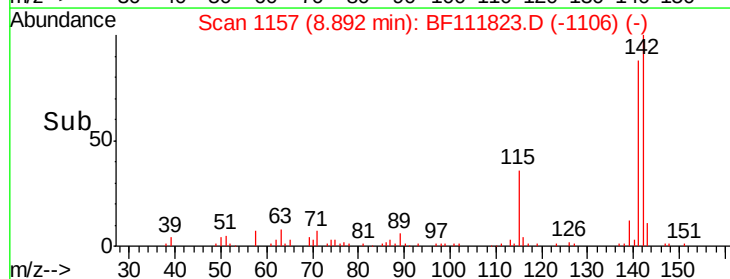
142 100

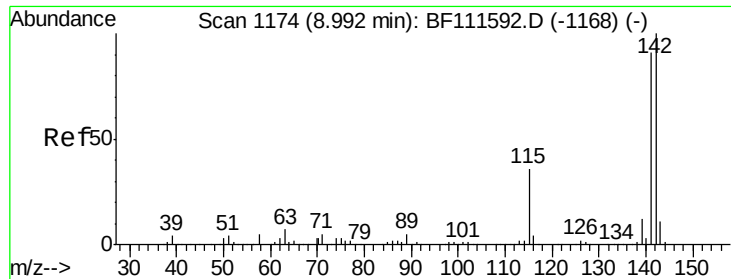
141 87.8 70.6 105.8

115 35.9 27.0 40.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

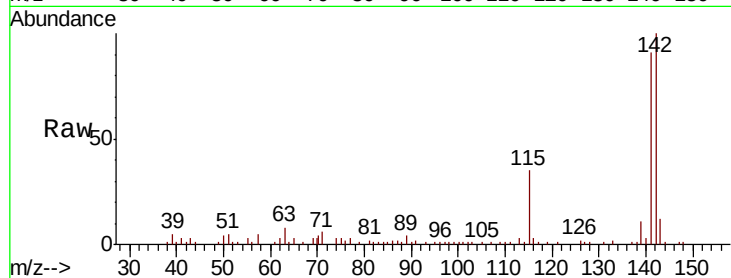




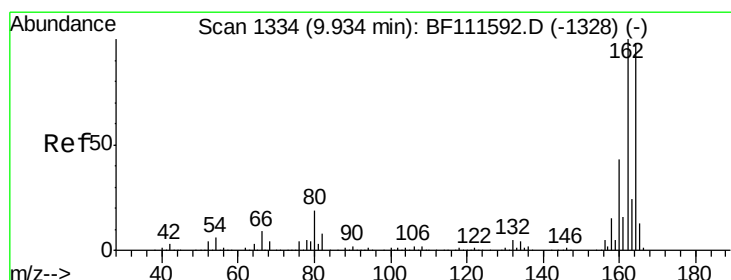
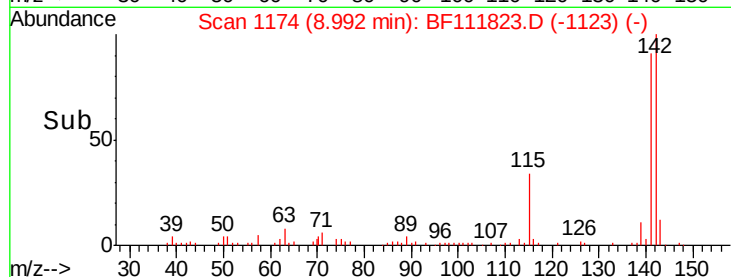
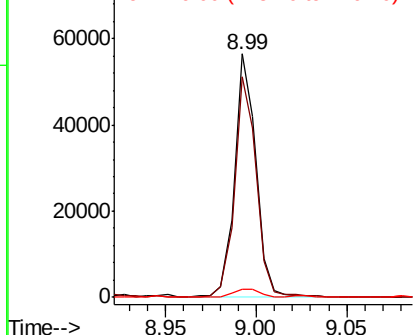
#38
1-Methylnaphthalene
Concen: 2.164 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 46275
Ion Ratio Lower Upper
142 100
141 90.7 74.2 111.4
116 3.4 2.9 4.3

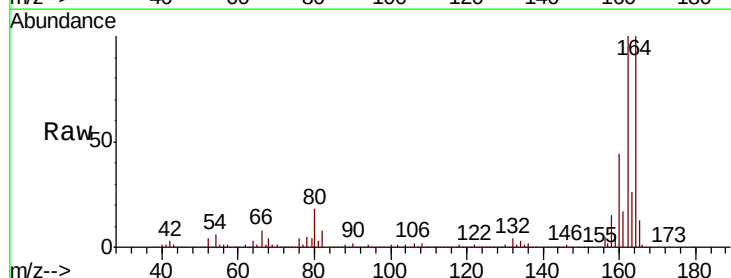


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

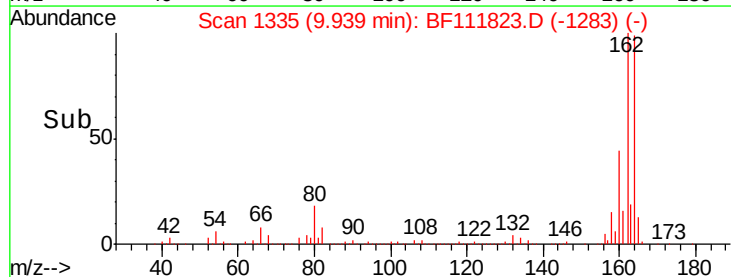
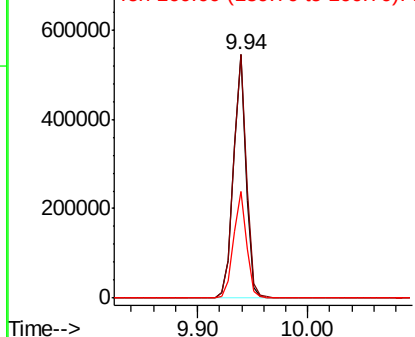


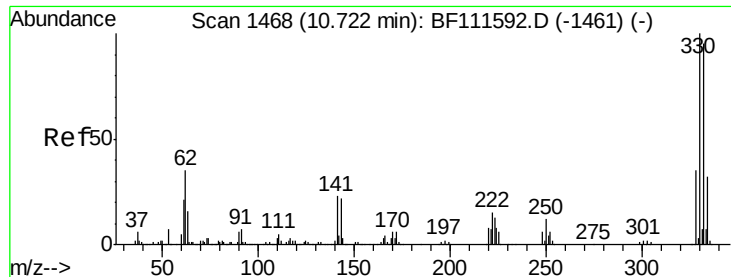
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion:164 Resp: 437933
Ion Ratio Lower Upper
164 100
162 100.1 81.4 122.0
160 43.9 35.7 53.5



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

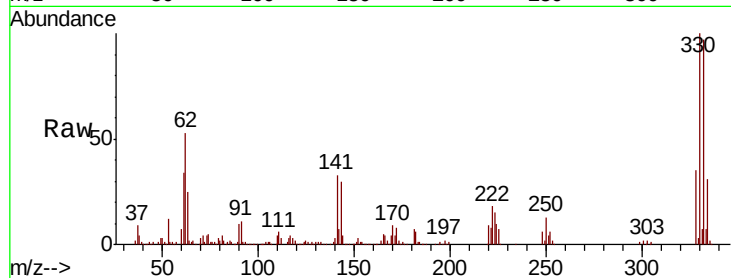




#42
 2,4,6-Tribromophenol
 Concen: 65.880 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF111823.D
 Acq: 3 Jan 2019 16:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.0	114.0
141	29.5	31.0	46.6

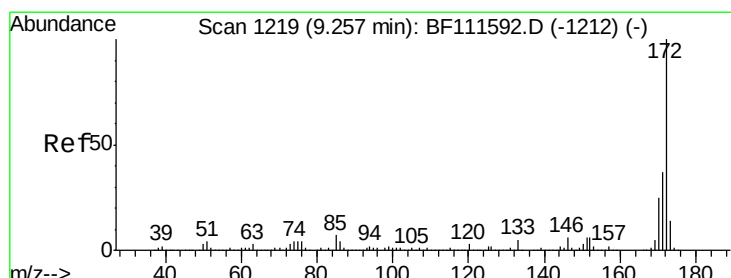
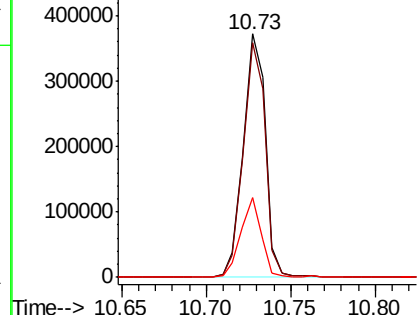
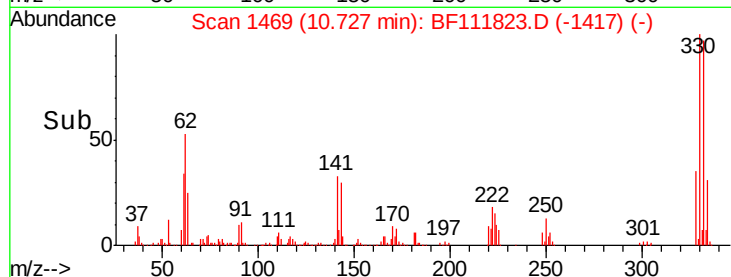


Abundance

Ion 329.80 (329.50 to 330.50): E

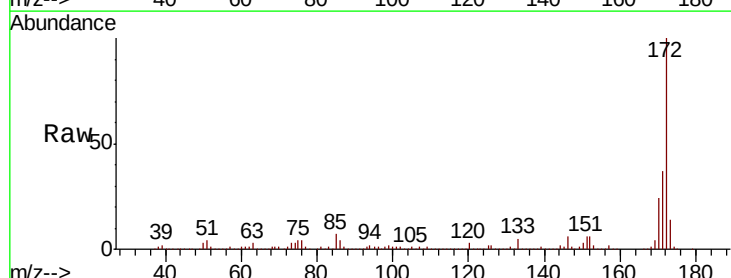
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 61.608 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111823.D
 Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	33.0	49.4
170	24.2	22.3	33.5

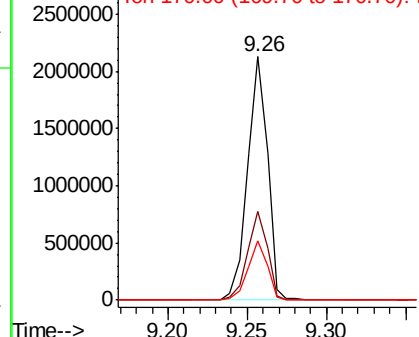
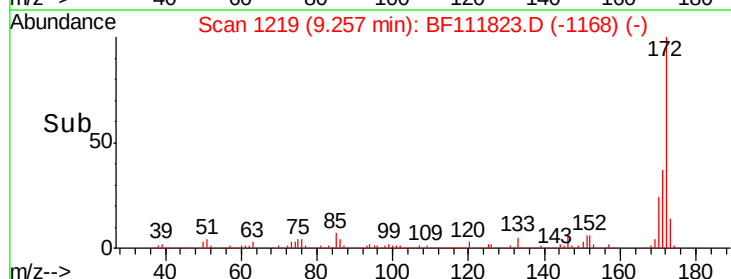


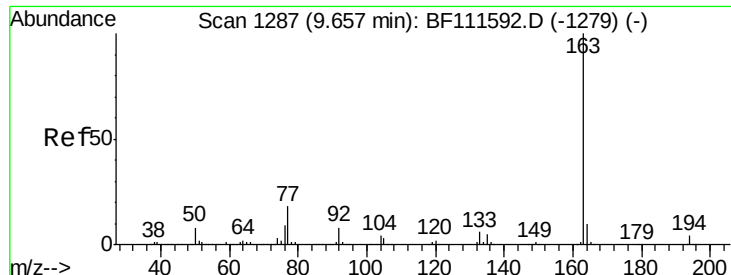
Abundance

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

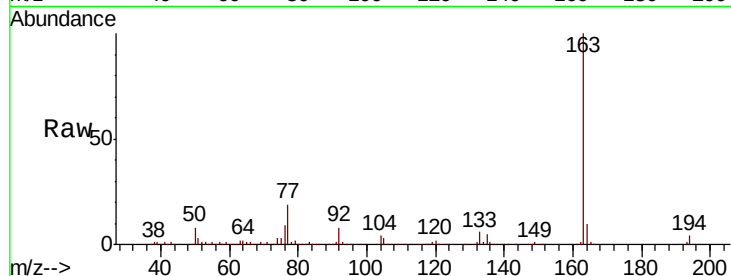




#50
Dimethylphthalate
Concen: 9.069 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.1	8.9	13.3

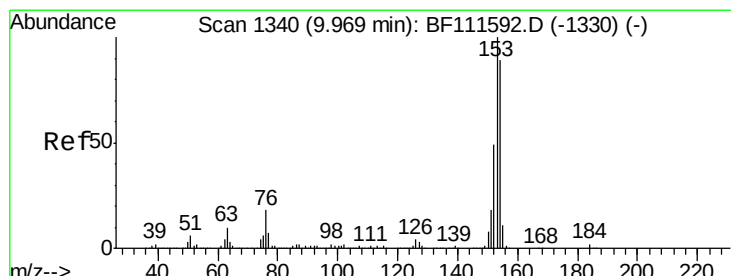
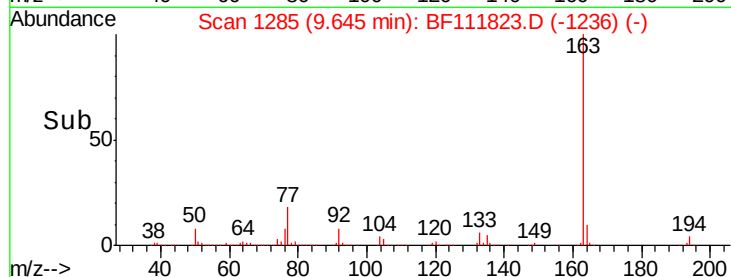
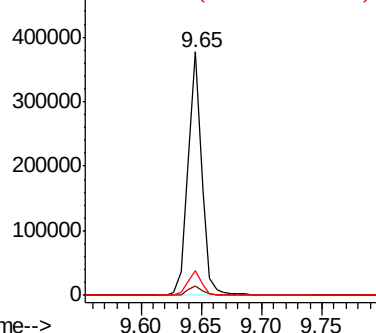


Abundance

Ion 163.00 (162.70 to 163.70): E

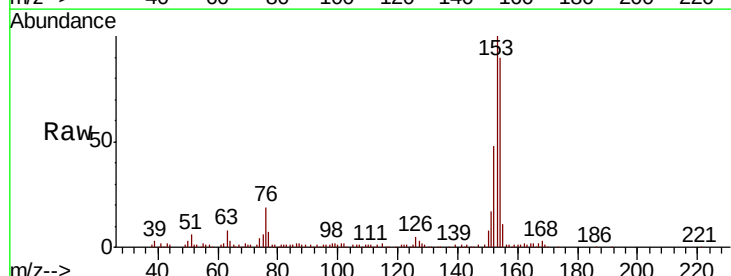
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 3.148 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.00 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.6	87.8	131.8
152	53.2	43.4	65.2

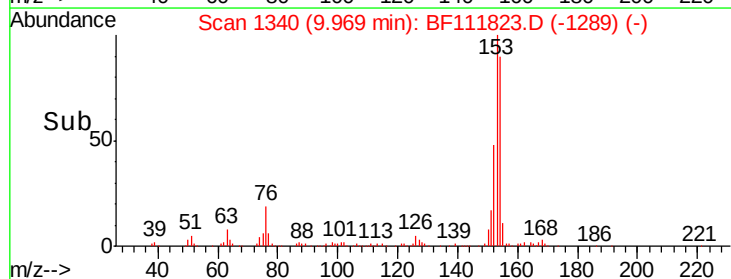
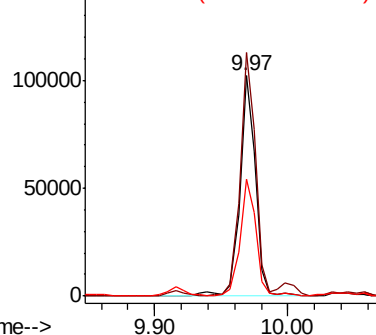


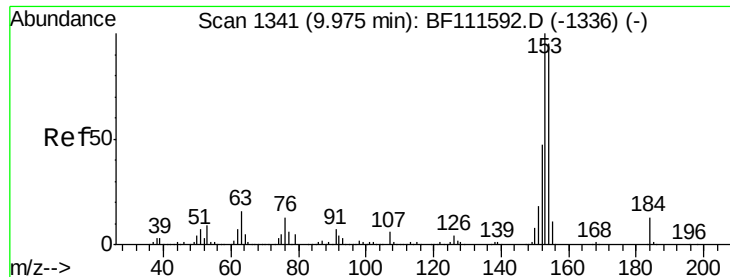
Abundance

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

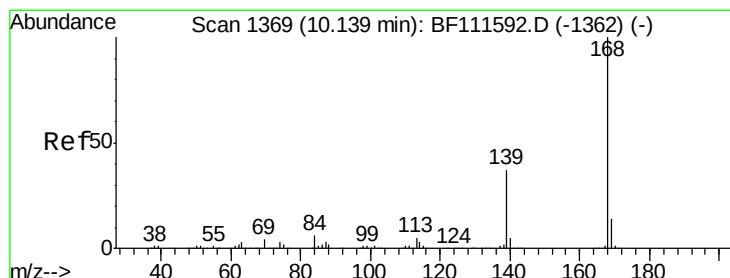
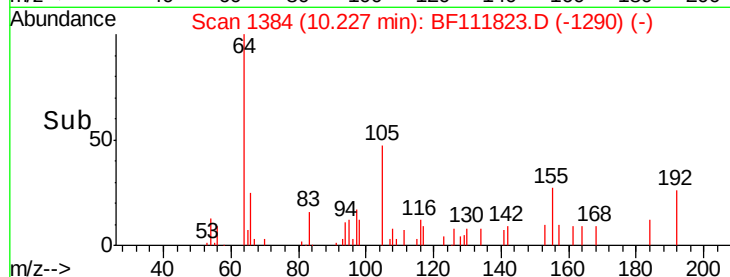
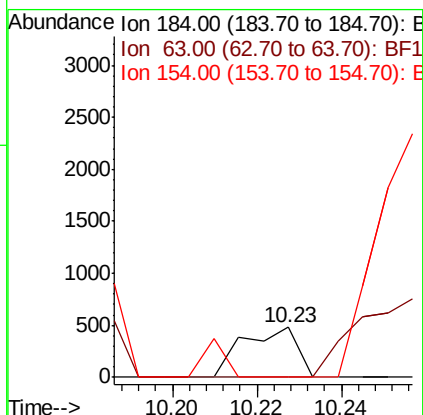
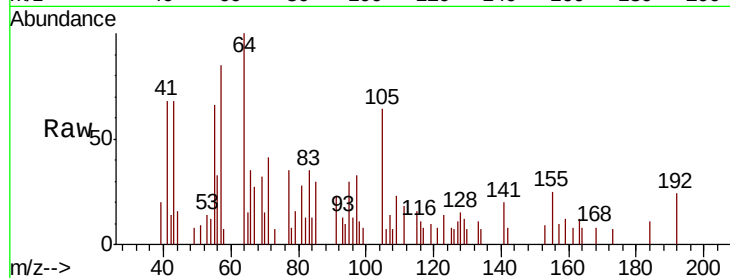




#54
2,4-Dinitrophenol
Concen: 7.497 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.25 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

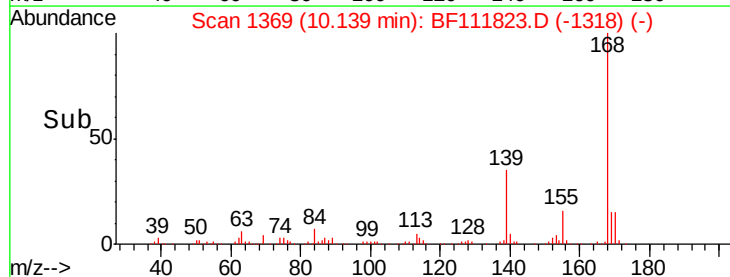
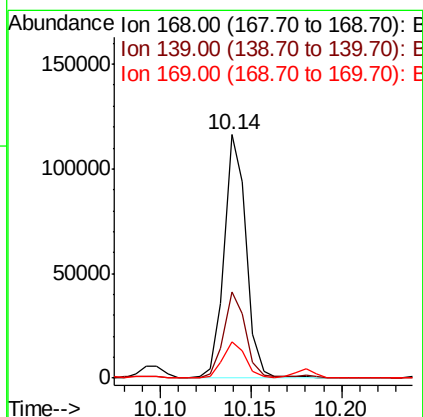
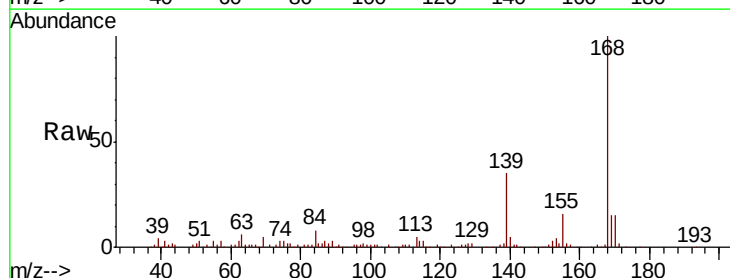
Instrument :
BNA_F
ClientSampleId :

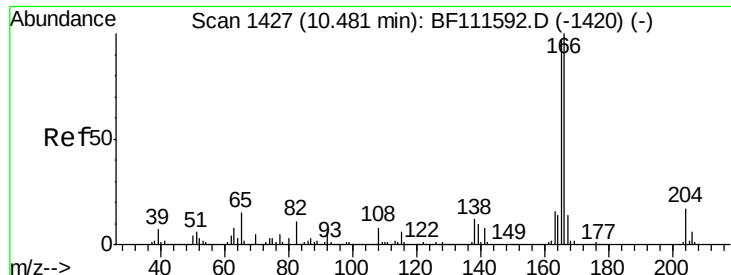
Tot Ion:184 Resp: 428
Ion Ratio Lower Upper
184 100
63 0.0 62.3 93.5#
154 0.0 56.2 84.2#



#55
Dibenzofuran
Concen: 2.452 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion:168 Resp: 97698
Ion Ratio Lower Upper
168 100
139 35.4 32.6 49.0
169 15.2 11.8 17.6

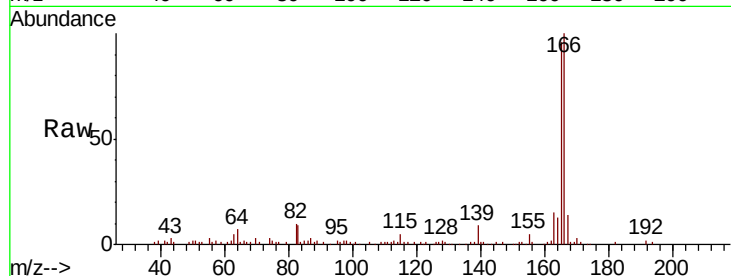




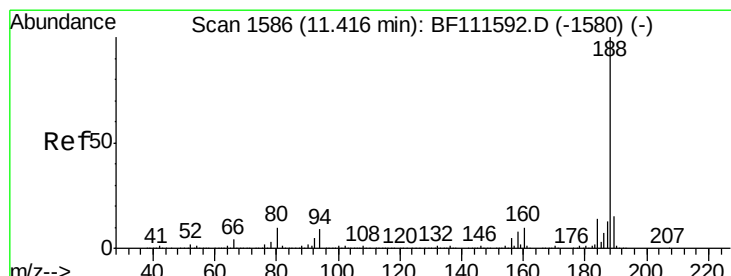
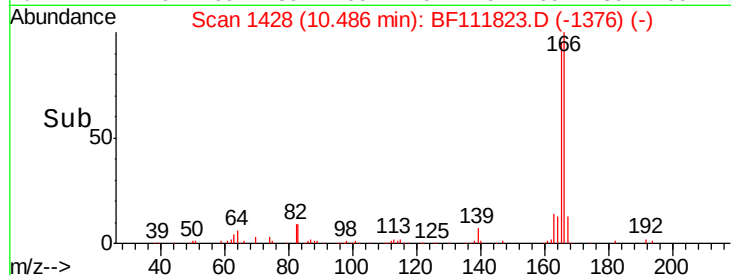
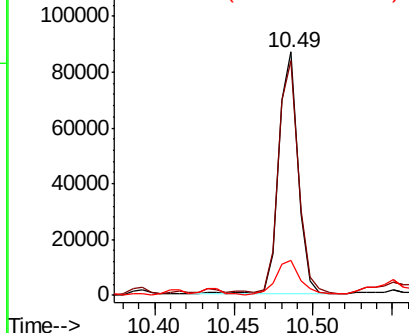
#58
 Fluorene
 Concen: 2.590 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: BF111823.D
 Acq: 3 Jan 2019 16:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 74374
 Ion Ratio Lower Upper
 166 100
 165 96.3 78.4 117.6
 167 14.1 11.2 16.8

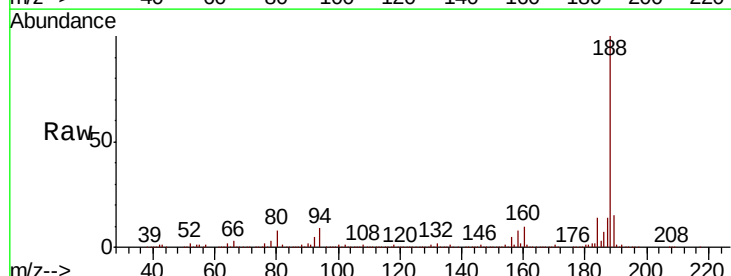


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

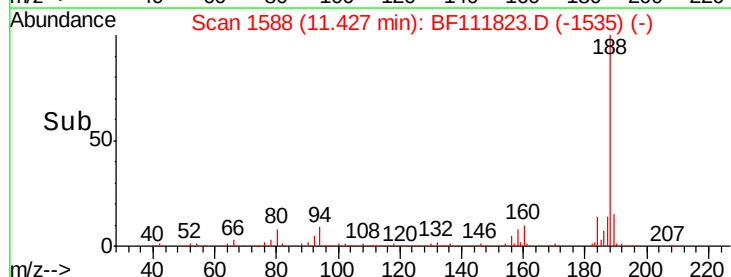
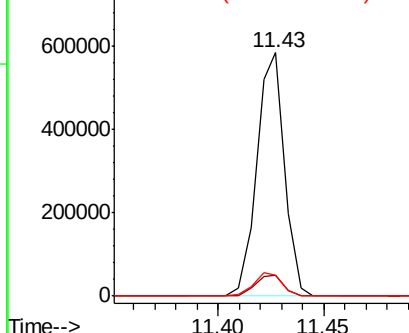


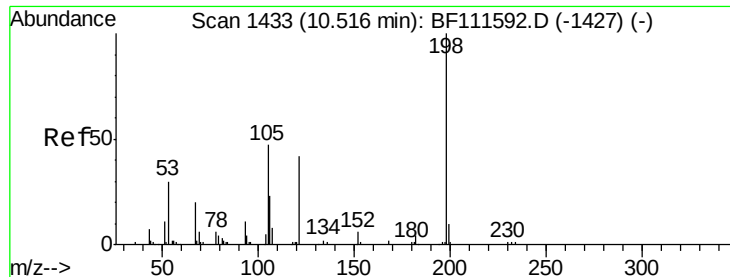
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111823.D
 Acq: 3 Jan 2019 16:16

Tgt Ion:188 Resp: 532199
 Ion Ratio Lower Upper
 188 100
 94 8.5 9.6 14.4#
 80 8.4 9.8 14.6#



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: 6.986 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.21 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampleId :

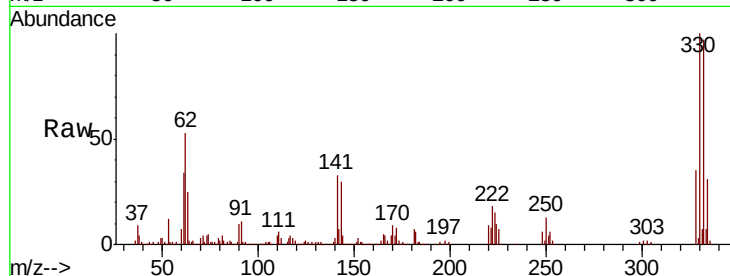
Tot Ion:198 Resp: 749

Ion Ratio Lower Upper

198 100

51 311.7 48.0 88.0#

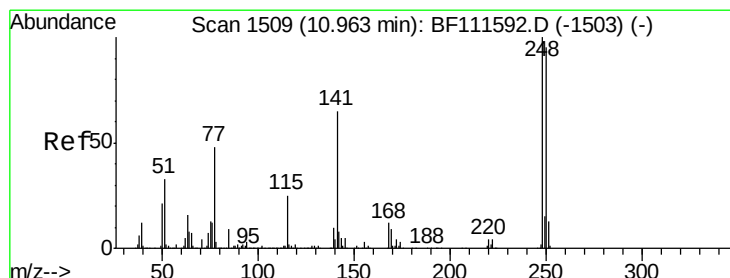
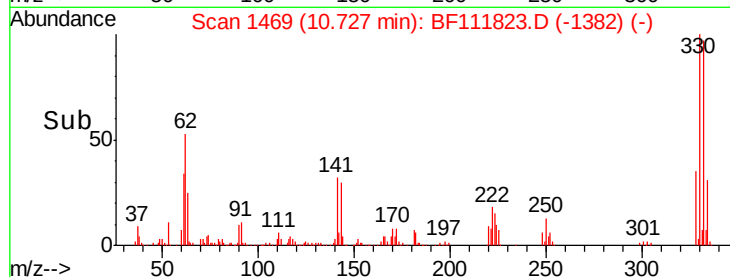
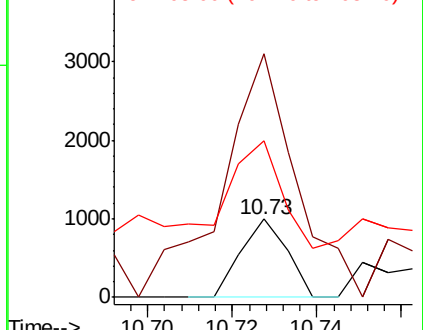
105 200.0 34.0 74.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.097 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.24 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

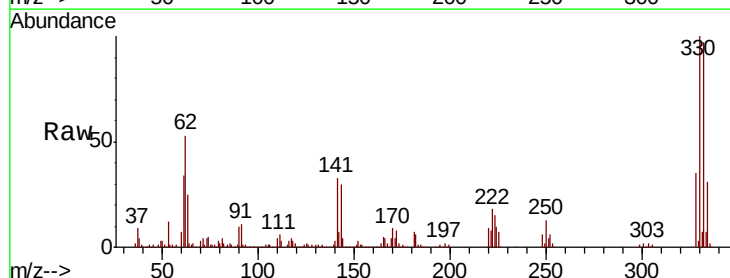
Tgt Ion:248 Resp: 20446

Ion Ratio Lower Upper

248 100

250 211.0 77.0 115.4#

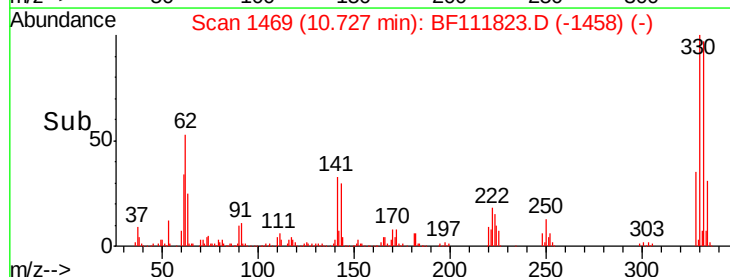
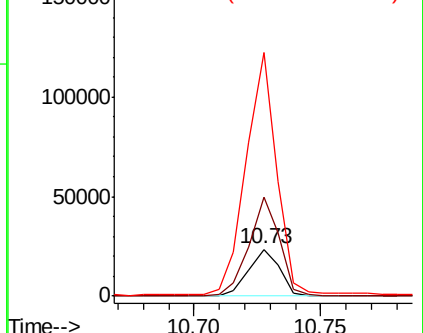
141 520.0 63.0 94.6#

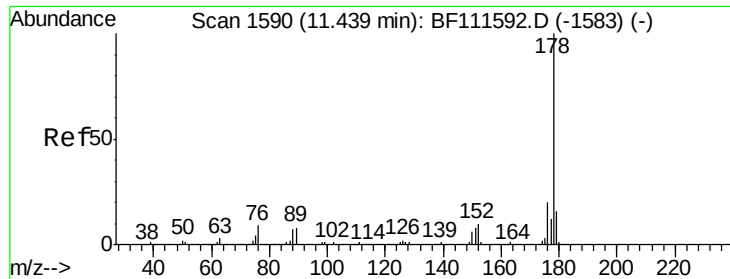


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 27.059 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampleId :

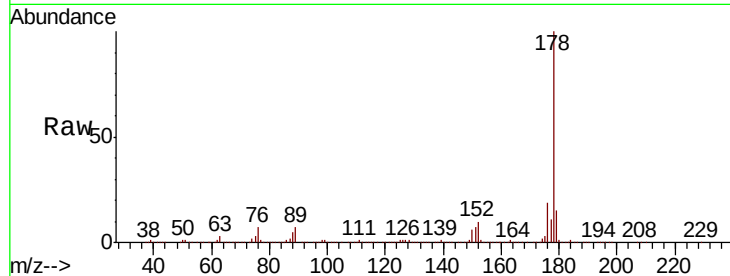
Tot Ion:178 Resp: 763728

Ion Ratio Lower Upper

178 100

176 19.0 18.1 27.1

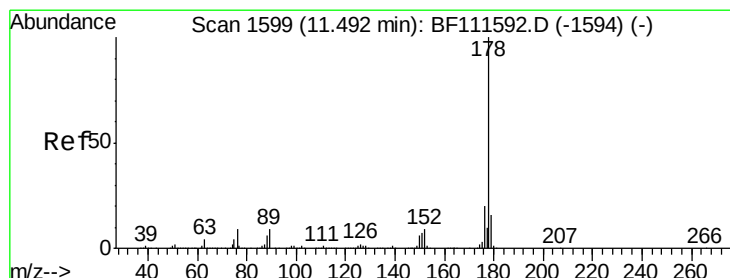
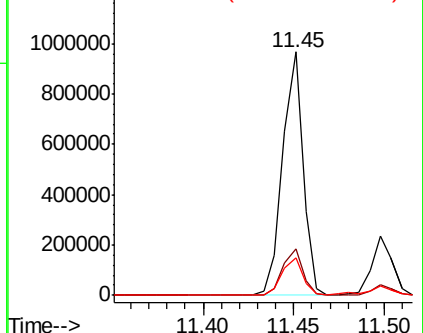
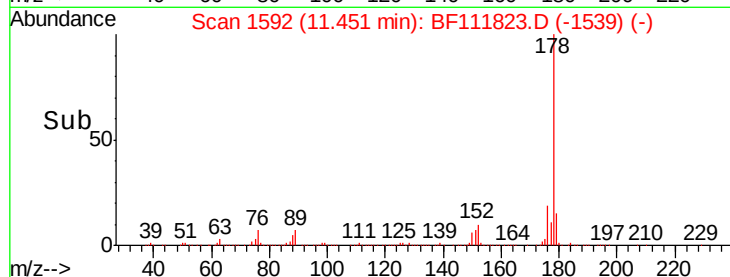
179 15.4 14.0 21.0



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: 6.422 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

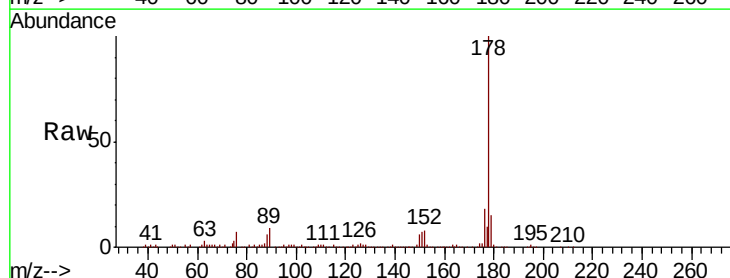
Tgt Ion:178 Resp: 181948

Ion Ratio Lower Upper

178 100

176 18.0 17.2 25.8

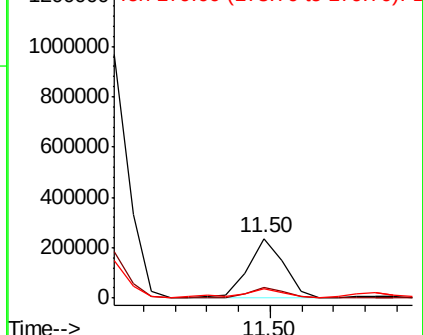
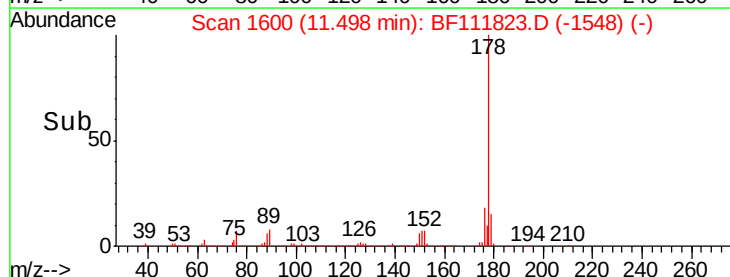
179 15.3 13.8 20.8

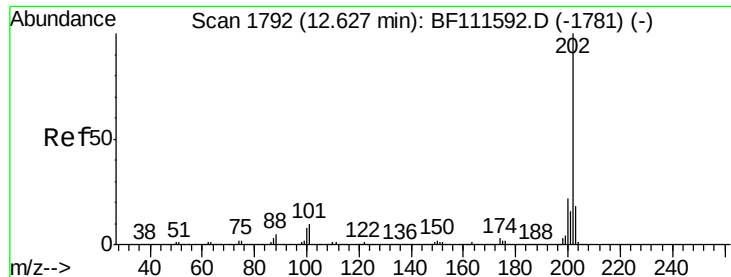


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 32.196 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.02 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampled :

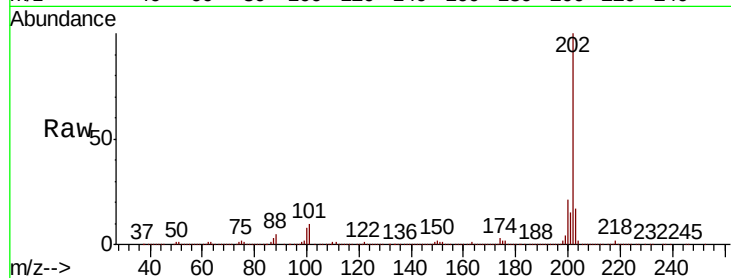
Tot Ion:202 Resp: 920200

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.8

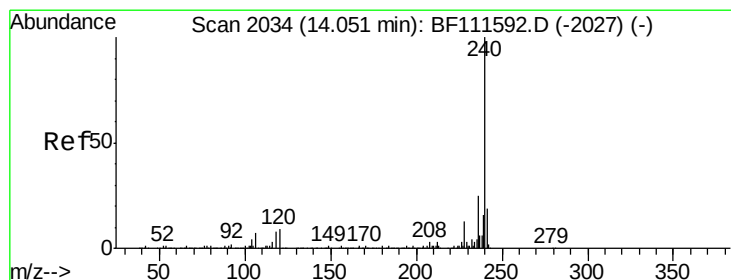
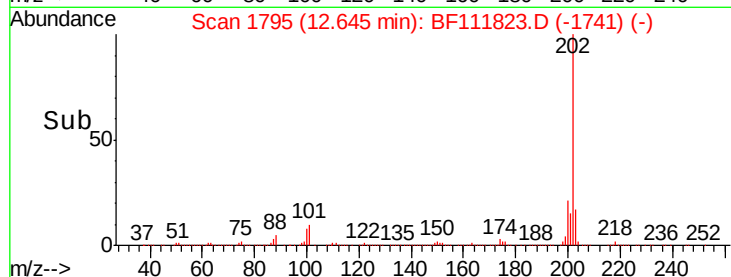
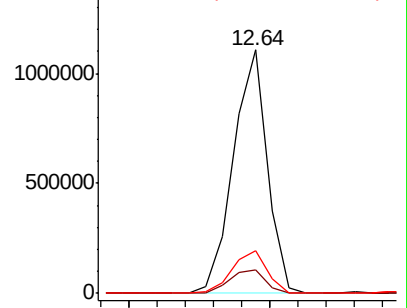
203 17.4 0.0 38.6



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: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

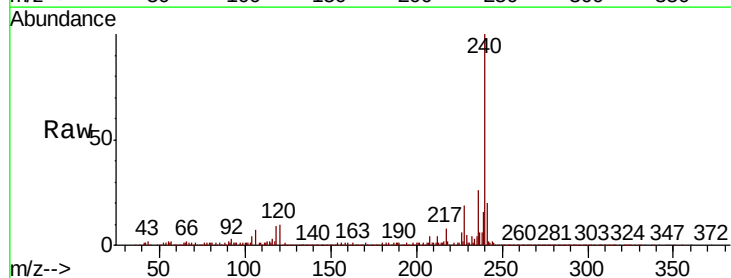
Tgt Ion:240 Resp: 557635

Ion Ratio Lower Upper

240 100

120 10.0 12.2 18.2#

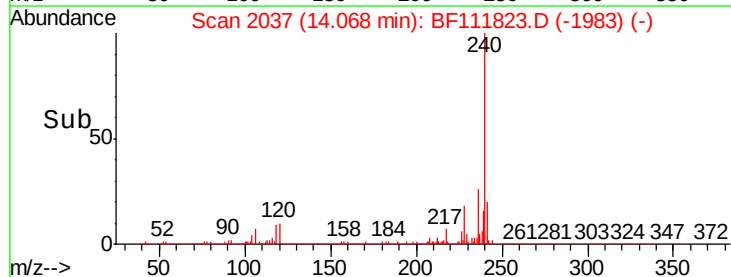
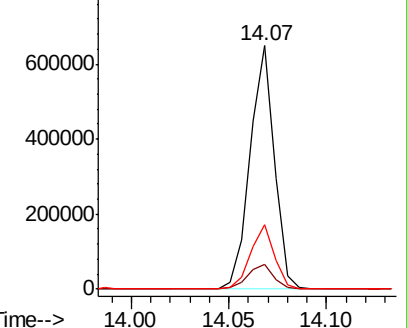
236 26.3 20.2 30.2

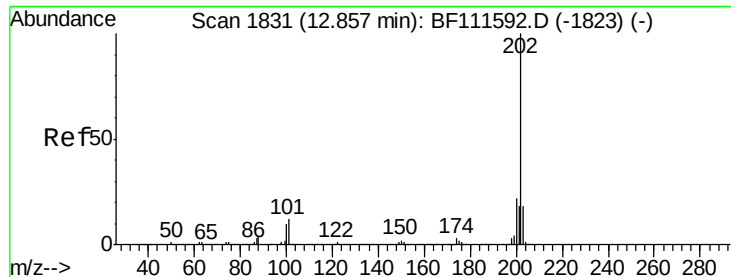


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 22.835 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampleId :

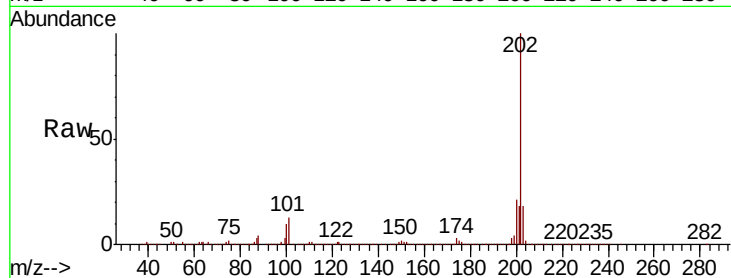
Tot Ion:202 Resp: 899207

Ion Ratio Lower Upper

202 100

200 21.3 19.0 28.4

203 18.4 15.2 22.8

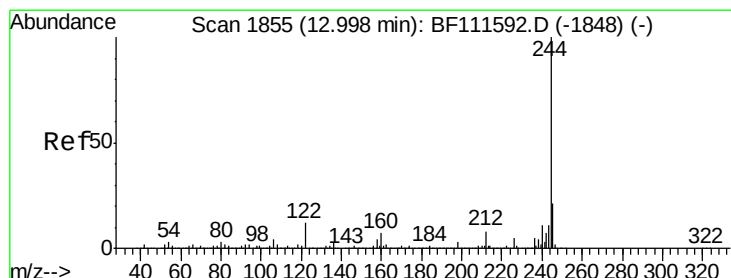
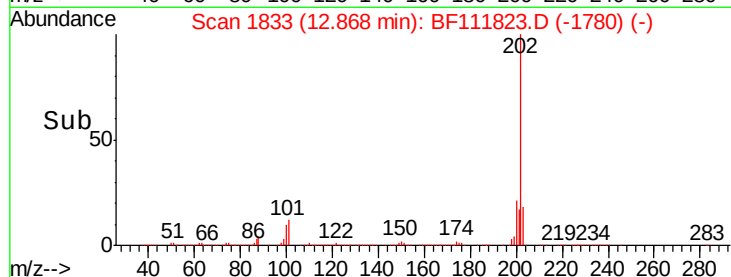
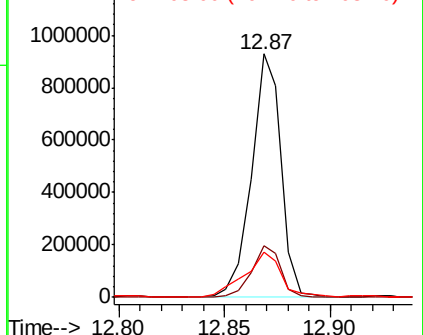


Abundance

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: 33.316 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

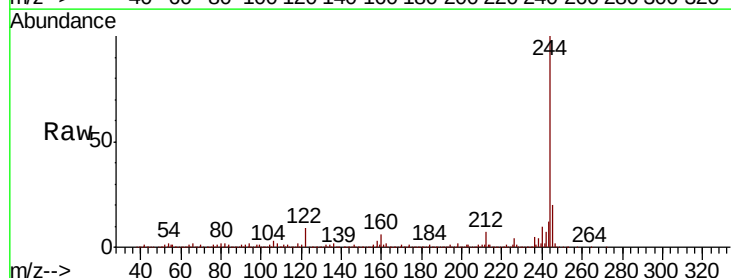
Tgt Ion:244 Resp: 979644

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 9.0 13.1 19.7#

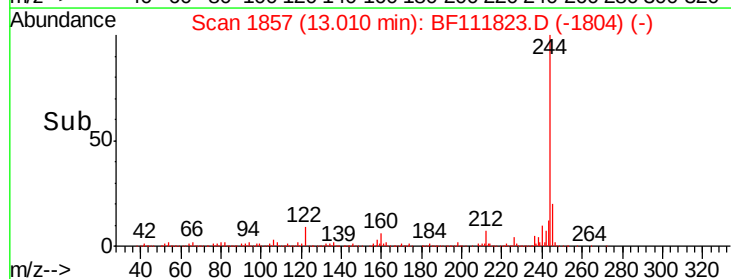
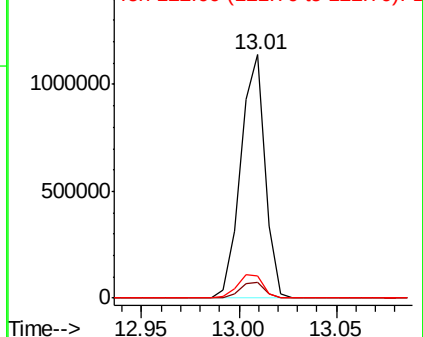


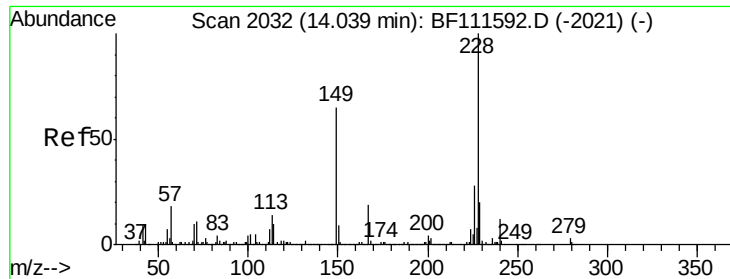
Abundance

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

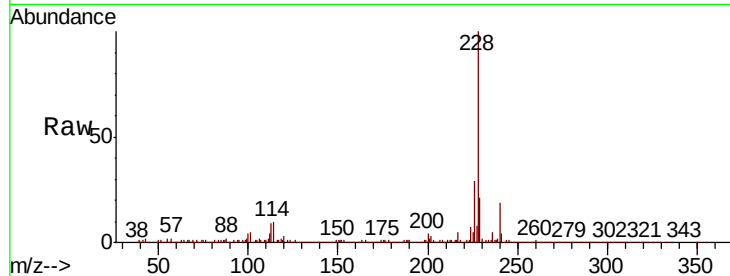




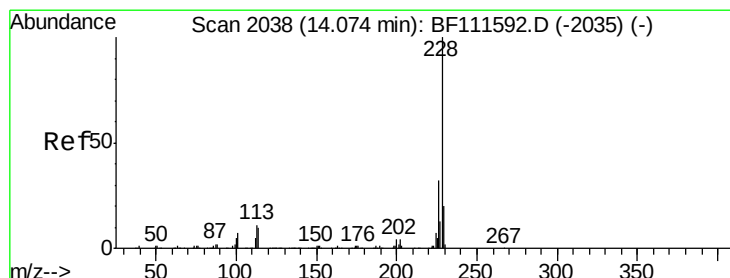
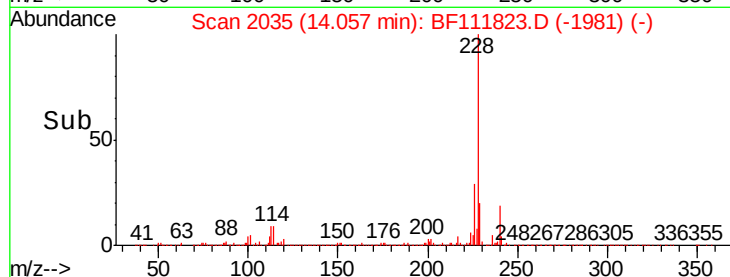
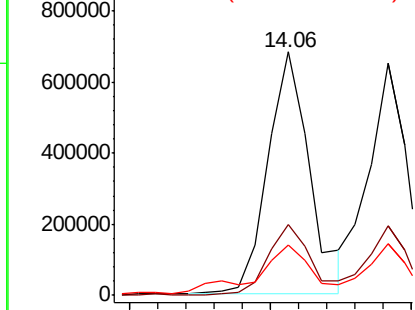
#81
Benzo(a)anthracene
Concen: 22.062 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 702086
Ion Ratio Lower Upper
228 100
226 29.3 22.6 34.0
229 20.7 16.3 24.5

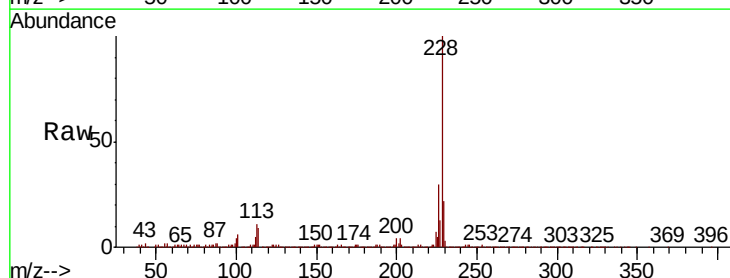


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

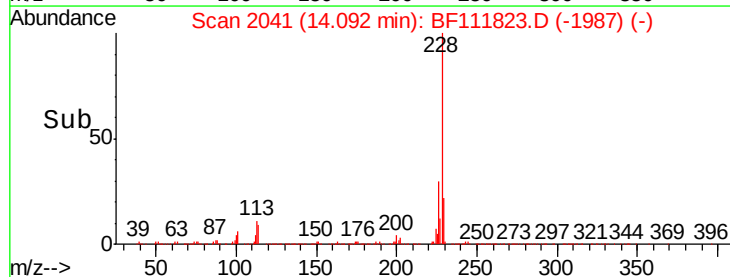
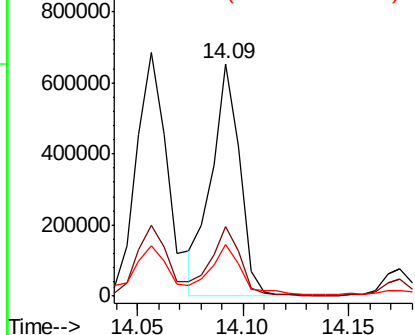


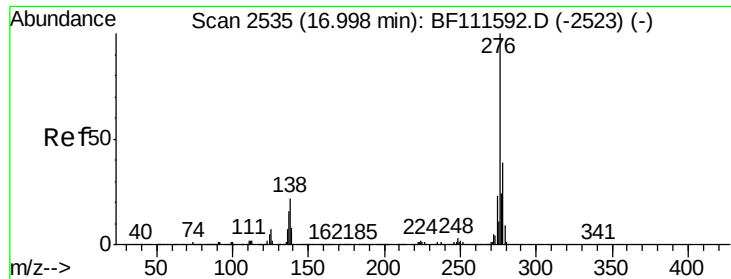
#83
Chrysene
Concen: 19.319 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion:228 Resp: 604275
Ion Ratio Lower Upper
228 100
226 29.9 25.3 37.9
229 22.4 17.2 25.8



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

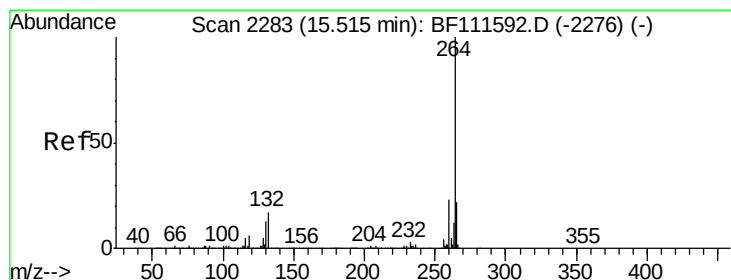
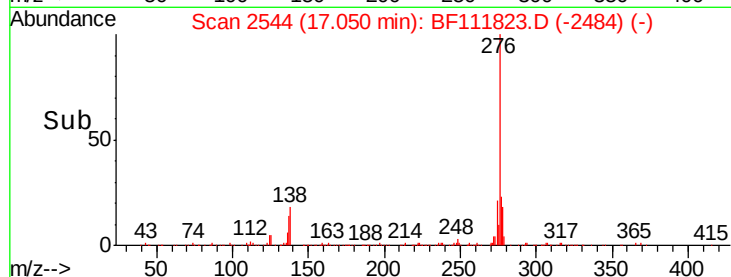
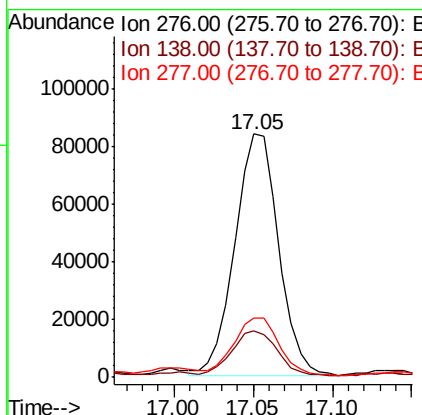
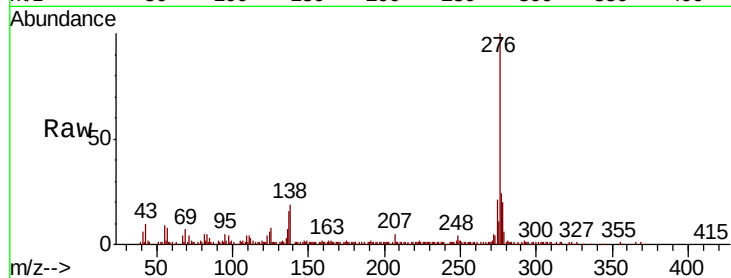




#86
Indeno(1,2,3-cd)pyrene
Concen: 6.023 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.05 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

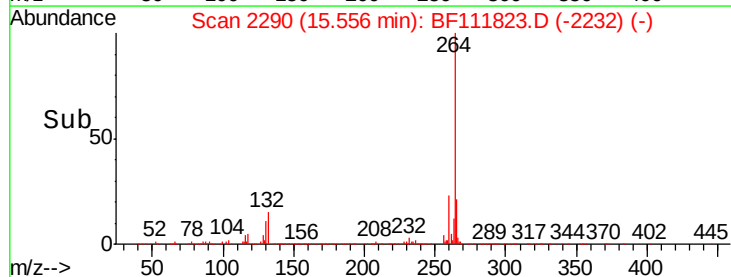
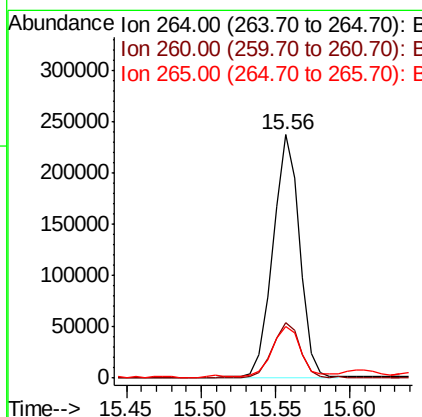
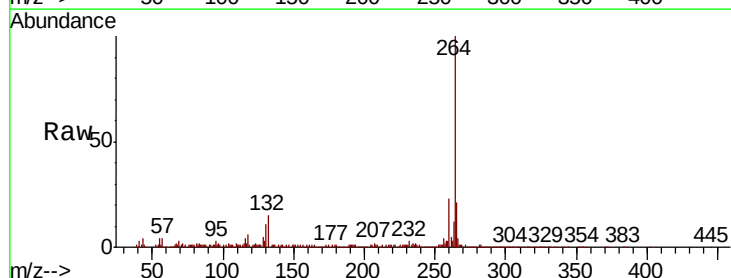
Instrument :
BNA_F
ClientSampleId :

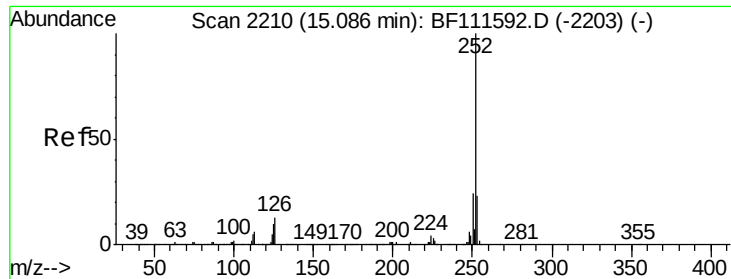
Tot Ion:276 Resp: 160157
Ion Ratio Lower Upper
276 100
138 19.4 27.8 41.6#
277 24.5 20.1 30.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.04 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion:264 Resp: 294440
Ion Ratio Lower Upper
264 100
260 23.0 18.3 27.5
265 21.4 17.7 26.5

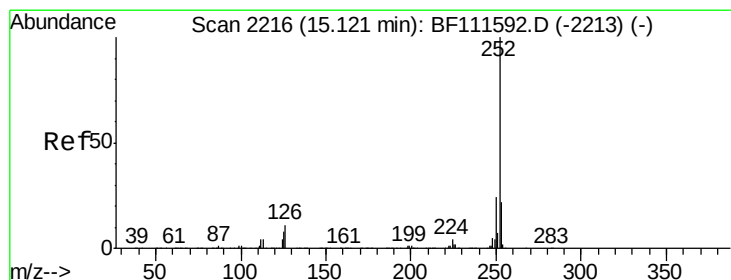
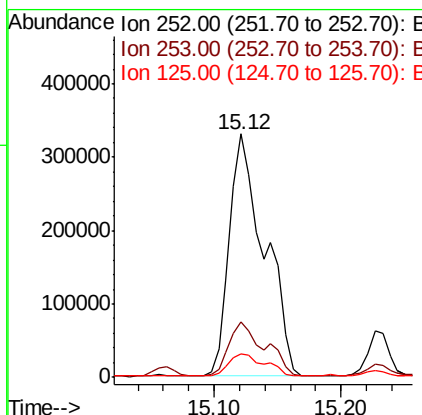
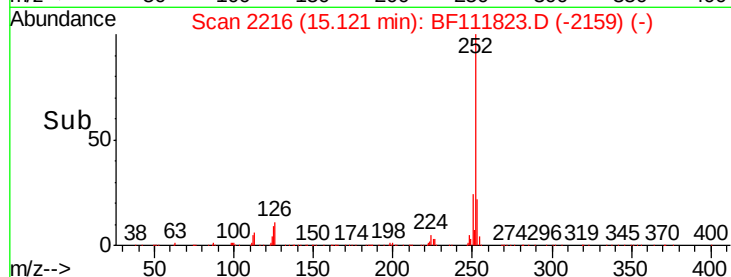
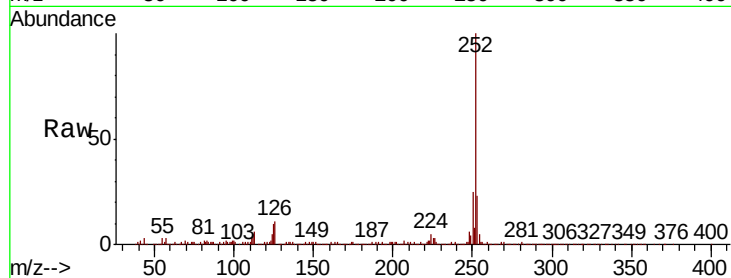




#88
Benzo(b)fluoranthene
Concen: 36.792 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

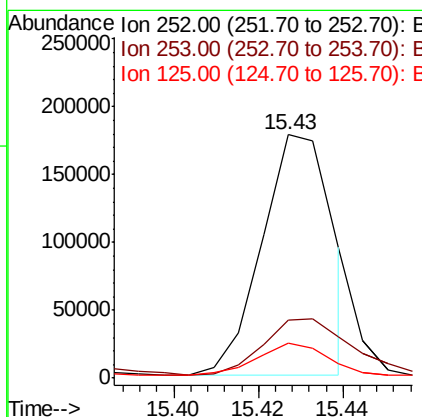
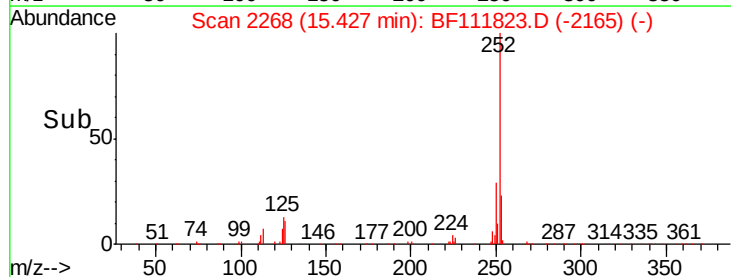
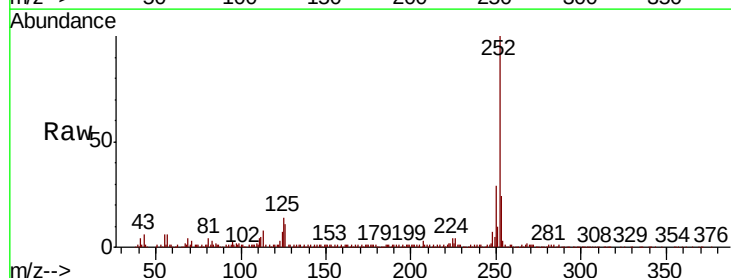
Instrument :
BNA_F
ClientSampleId :

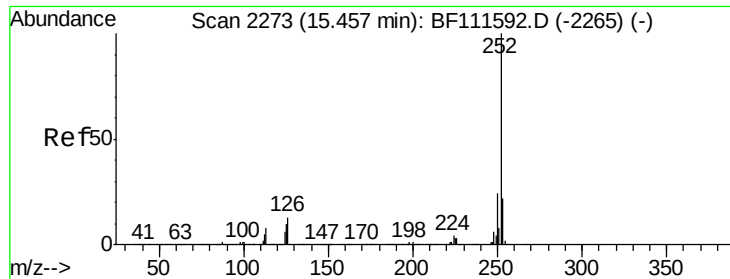
Tot Ion:252 Resp: 633127
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 9.7 10.4 15.6#



#89
Benzo(k)fluoranthene
Concen: 12.641 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.31 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion:252 Resp: 207090
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 14.1 9.8 14.8

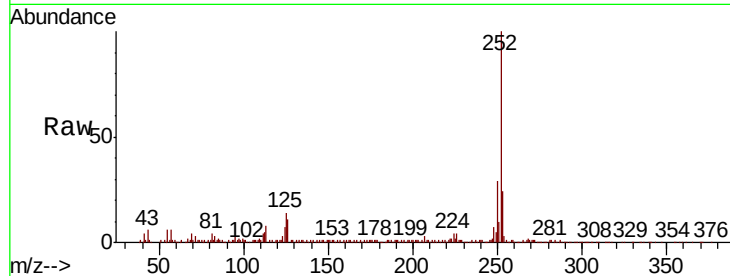




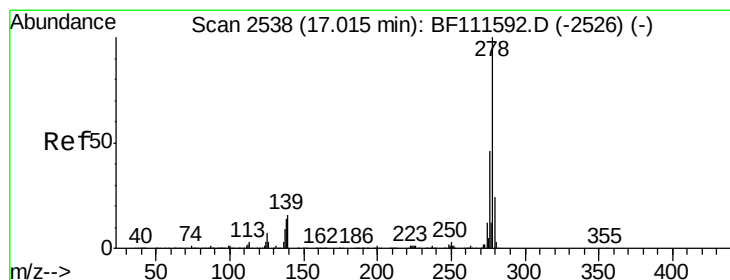
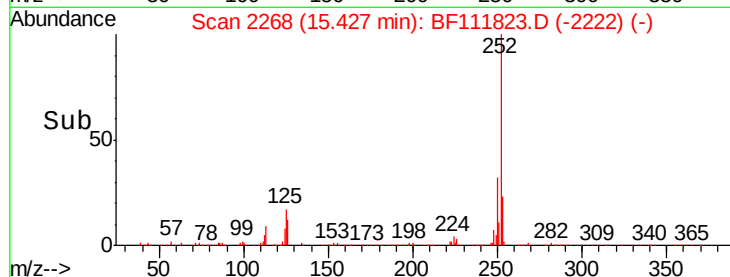
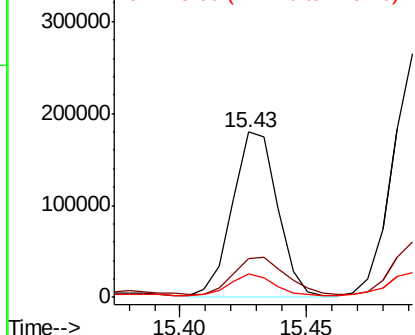
#90
Benzo(a)pyrene
Concen: 14.164 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 221443
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 14.1 12.3 18.5

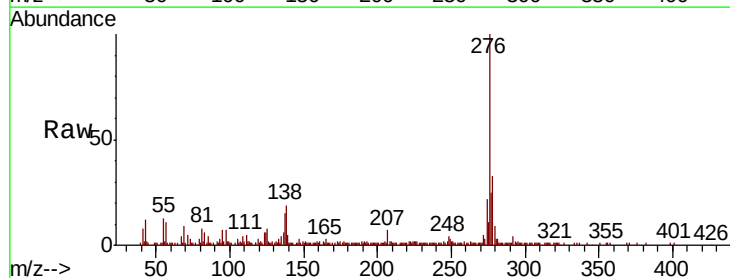


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

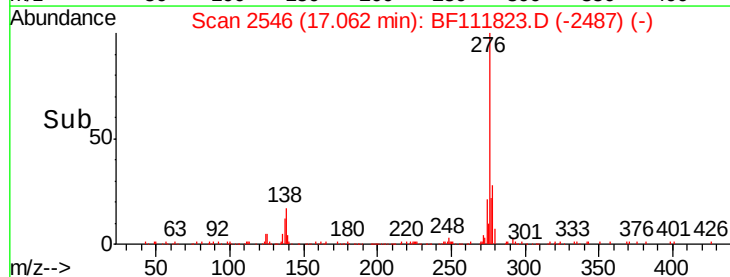
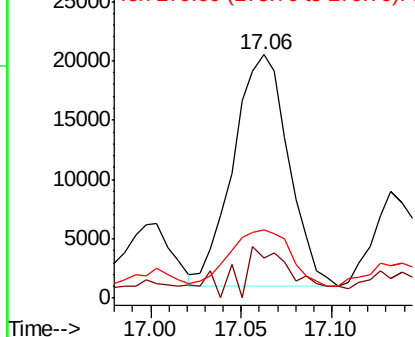


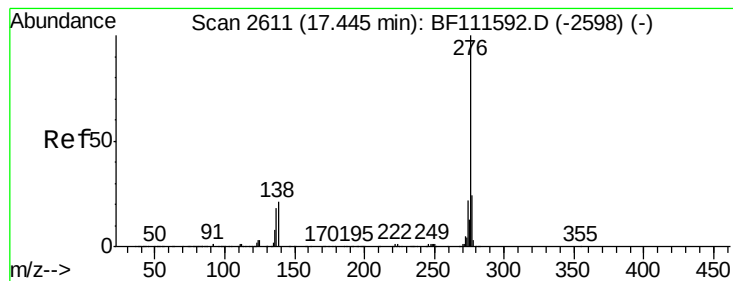
#91
Dibenzo(a,h)anthracene
Concen: 3.010 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.05 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion:278 Resp: 41212
Ion Ratio Lower Upper
278 100
139 16.3 18.2 27.4#
279 28.1 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 11.095 ng

RT: 17.51 min Scan# 2622

Delta R.T. 0.06 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampleId :

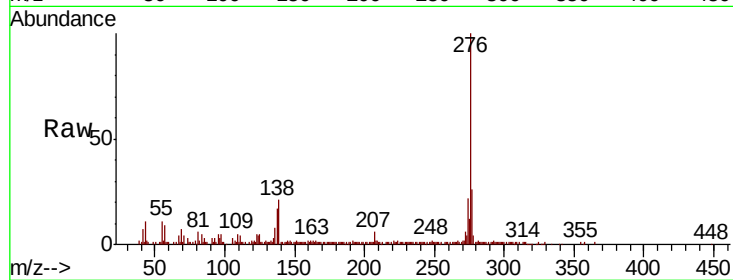
Tot Ion: 276 Resp: 148318

Ion Ratio Lower Upper

276 100

277 25.6 19.2 28.8

138 21.2 24.9 37.3#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

