

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030819\
 Data File : BF112951.D
 Acq On : 8 Mar 2019 18:22
 Operator : JU/SJ
 Sample : K1693-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 22:09:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

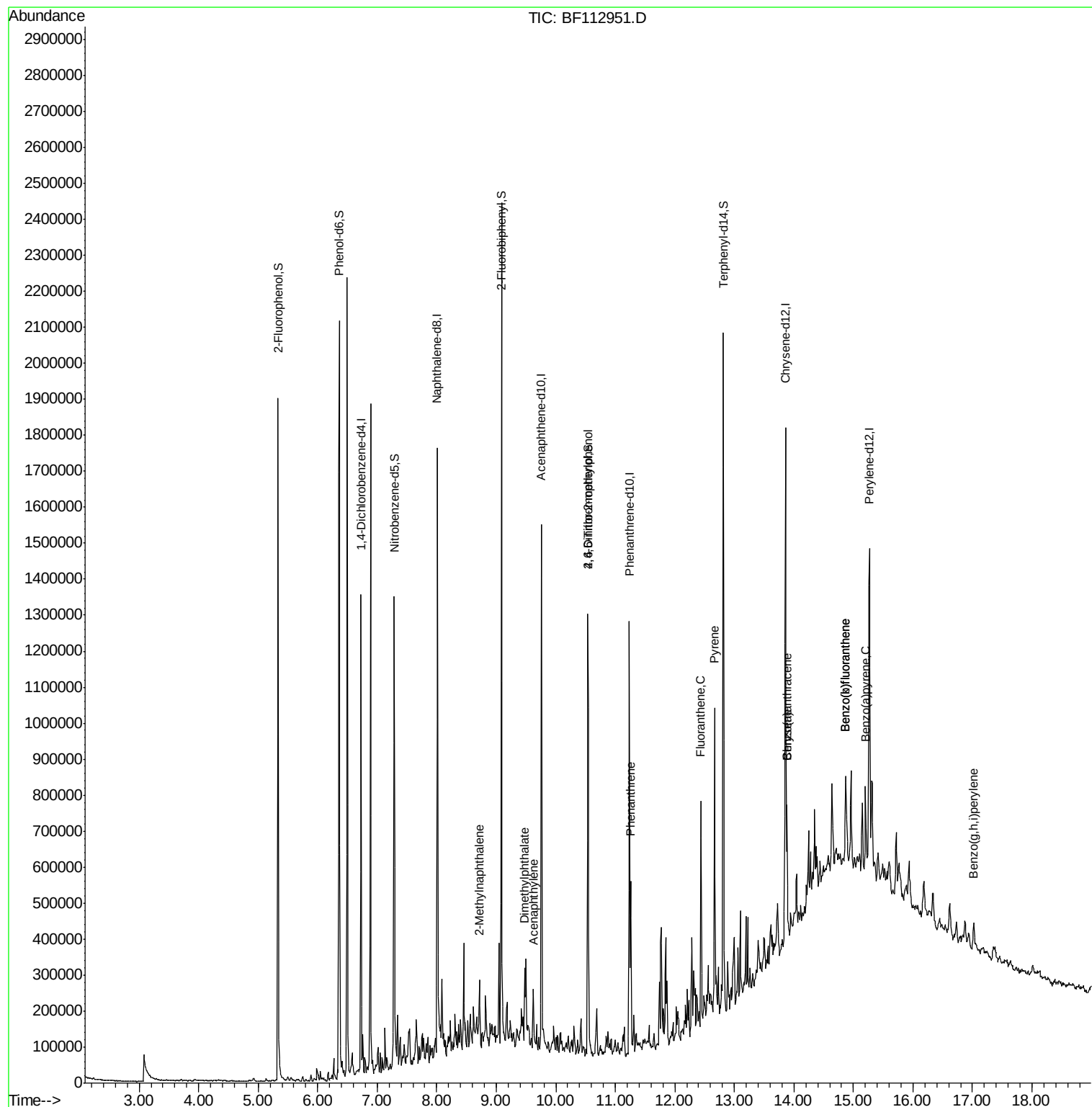
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	187645	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	703771	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	306295	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	517310	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	483049	20.00	ng	-0.01
87) Perylene-d12	15.27	264	445317	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	556902	46.17	ng	-0.01
7) Phenol-d6	6.36	99	725556	47.88	ng	0.00
23) Nitrobenzene-d5	7.29	82	413726	35.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	174599	53.69	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	762719	35.15	ng	-0.01
79) Terphenyl-d14	12.82	244	655884	26.32	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.72	142	47606	2.110	ng	99
49) Acenaphthylene	9.62	152	69286	2.092	ng	99
50) Dimethylphthalate	9.48	163	53070	2.350	ng	# 95
65) 4,6-Dinitro-2-methylphenol	10.54	198	146	4.675	ng	# 1
71) Phenanthrene	11.26	178	172220	6.691	ng	97
75) Fluoranthene	12.44	202	245145	8.890	ng	98
78) Pyrene	12.67	202	357730	8.785	ng	99
81) Benzo(a)anthracene	13.89	228	167795	5.012	ng	94
83) Chrysene	13.89	228	167795	5.117	ng	97
88) Benzo(b)fluoranthene	14.87	252	187227	6.500	ng	# 92
89) Benzo(k)fluoranthene	14.87	252	187227	7.176	ng	# 92
90) Benzo(a)pyrene	15.20	252	119193	4.678	ng	94
92) Benzo(a,h,i)perylene	17.02	276	59603	2.730	ng	96

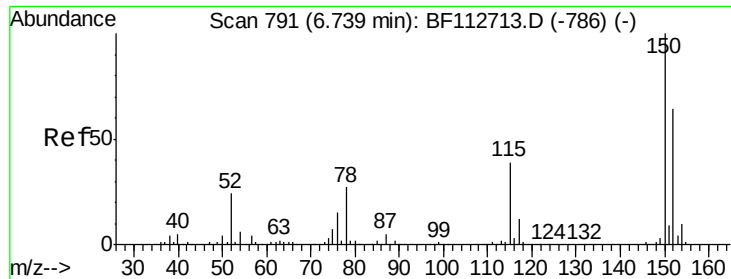
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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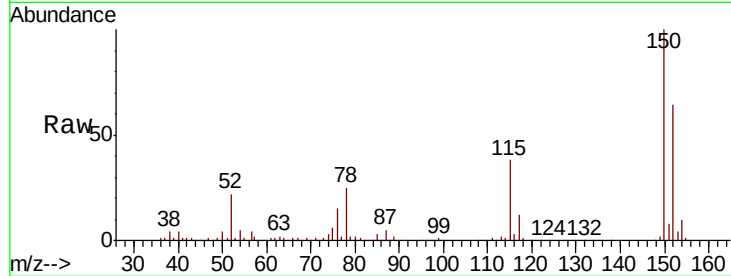


#1

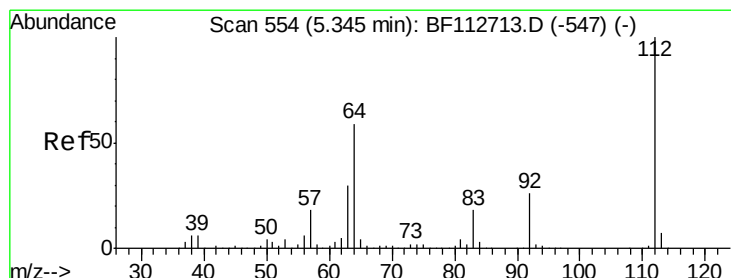
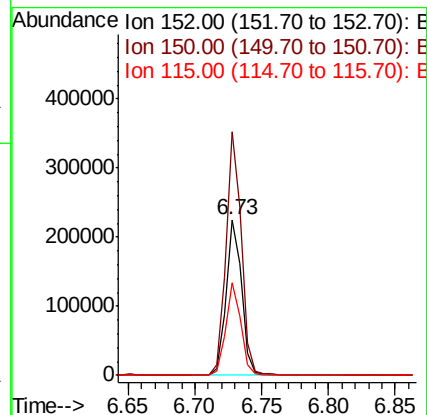
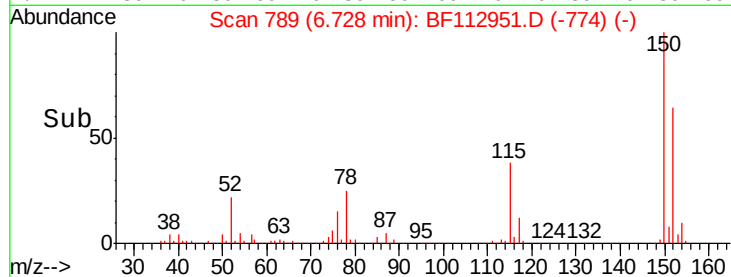
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 187645
Ion Ratio Lower Upper
152 100
150 156.2 124.2 186.2
115 59.4 48.2 72.4



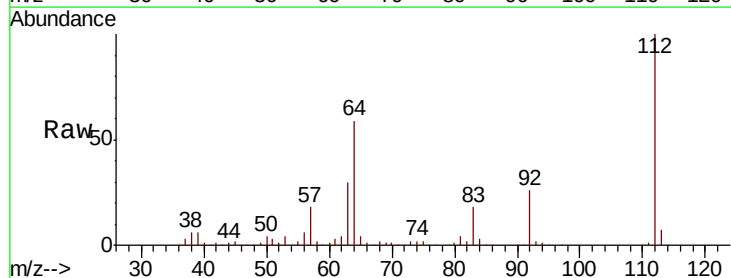
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



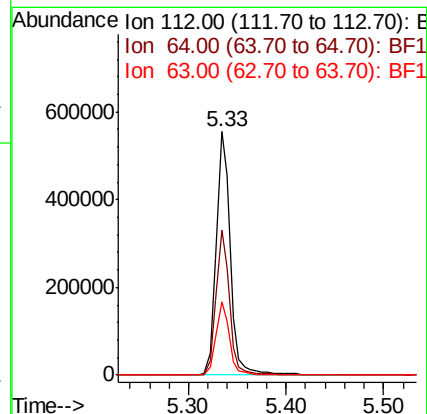
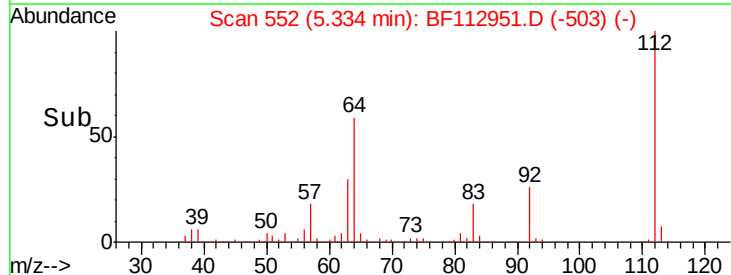
#5

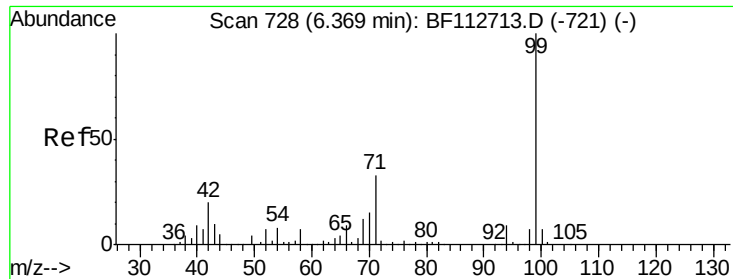
2-Fluorophenol
Concen: 46.166 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion:112 Resp: 556902
Ion Ratio Lower Upper
112 100
64 59.4 47.6 71.4
63 30.3 24.4 36.6



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: 47.882 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

Instrument :

BNA_F

ClientSampled :

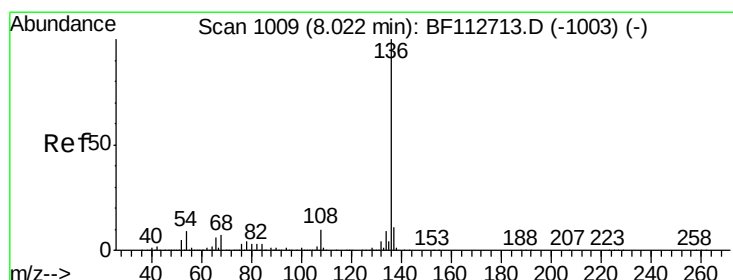
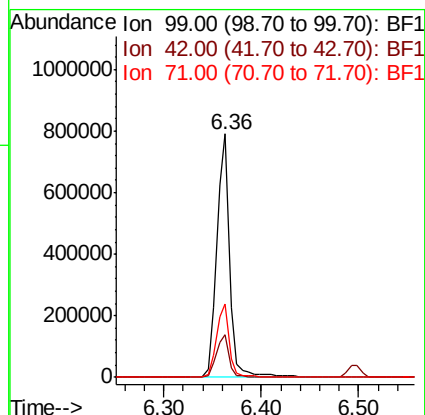
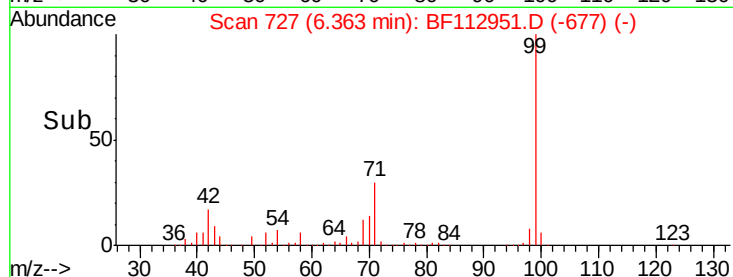
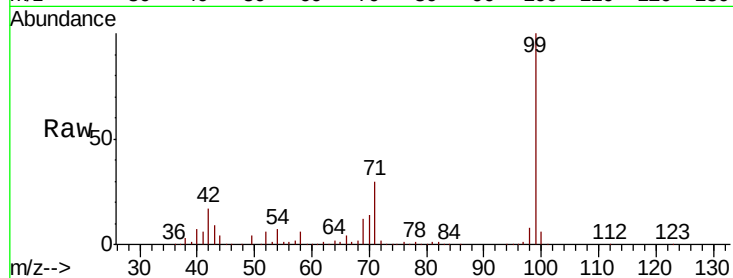
Tot Ion: 99 Resp: 725556

Ion Ratio Lower Upper

99 100

42 17.3 16.3 24.5

71 30.2 26.2 39.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

Tgt Ion: 136 Resp: 703771

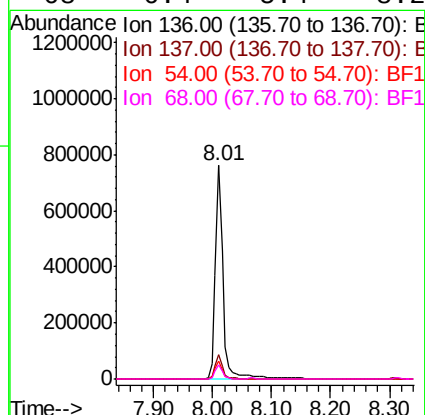
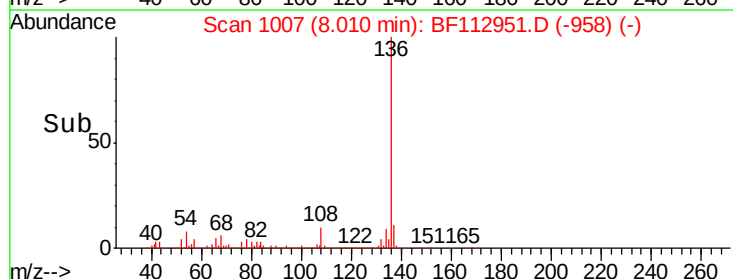
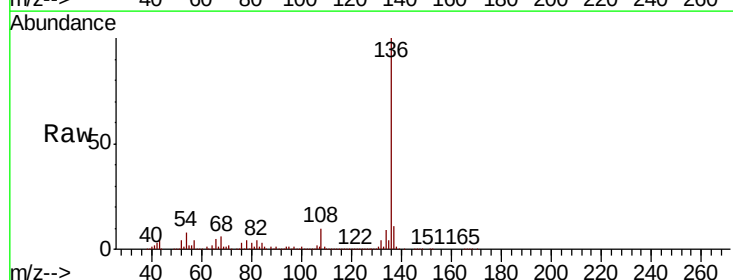
Ion Ratio Lower Upper

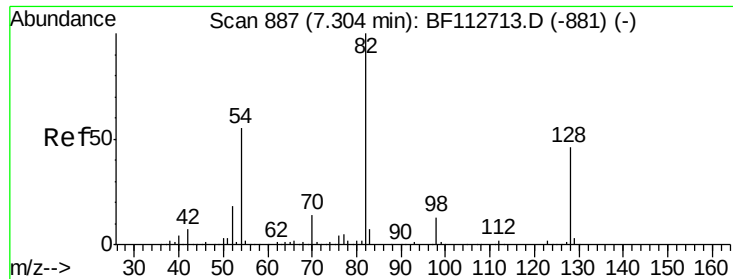
136 100

137 11.1 8.9 13.3

54 8.3 7.3 10.9

68 6.4 5.4 8.2

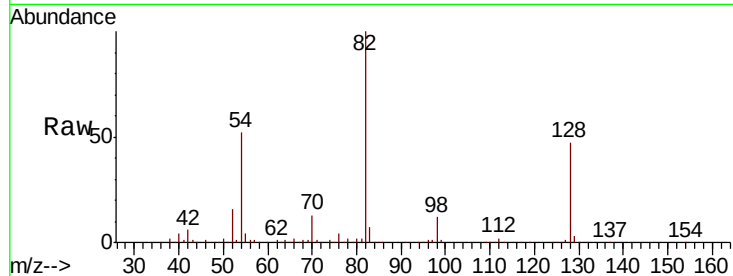




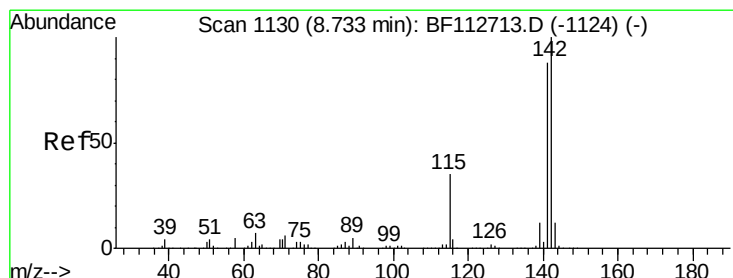
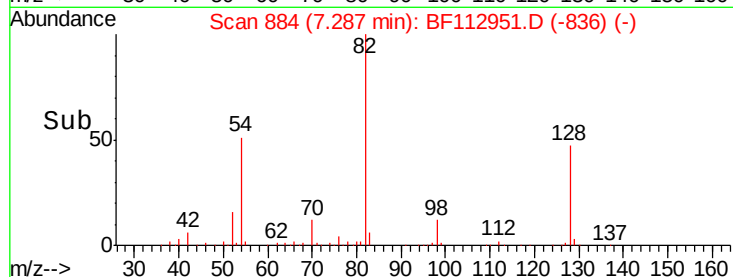
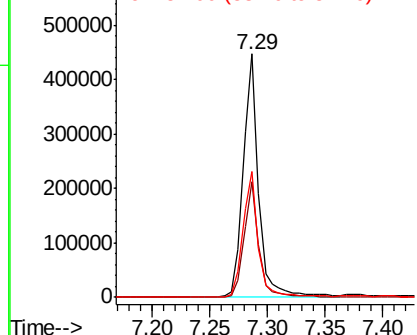
#23
Nitrobenzene-d5
Concen: 35.177 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 413726
Ion Ratio Lower Upper
82 100
128 47.3 36.3 54.5
54 51.5 43.7 65.5

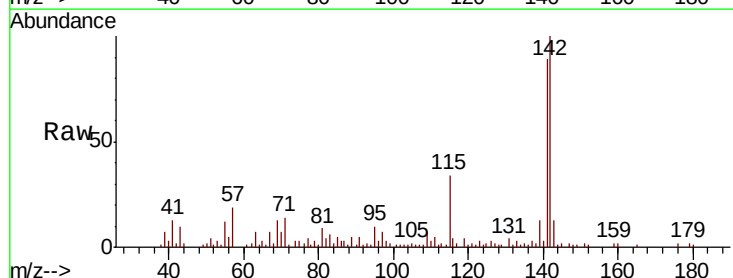


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

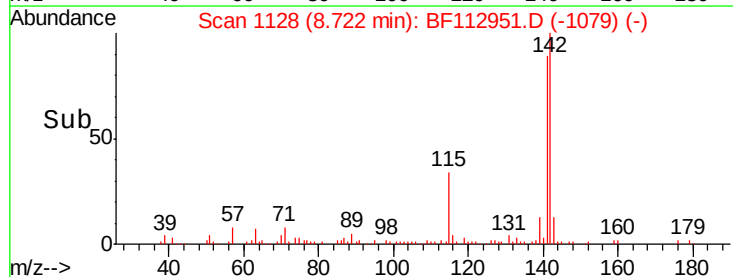
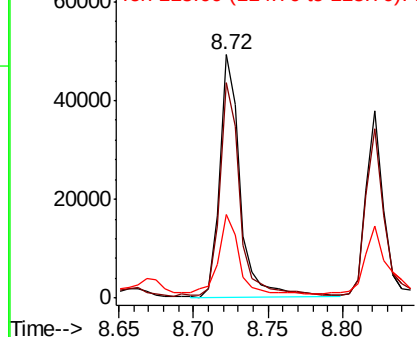


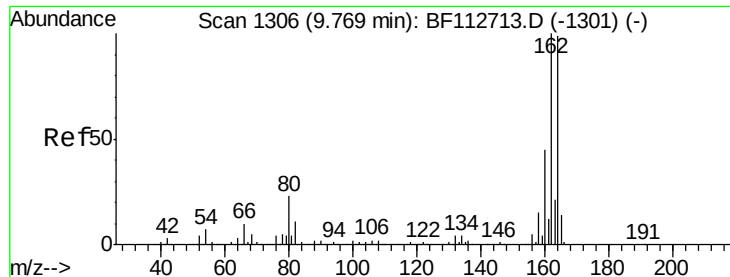
#37
2-Methylnaphthalene
Concen: 2.110 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion: 142 Resp: 47606
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5
115 34.2 27.8 41.6



Abundance Ion 142.00 (141.70 to 142.70): BF1
Ion 141.00 (140.70 to 141.70): BF1
Ion 115.00 (114.70 to 115.70): BF1

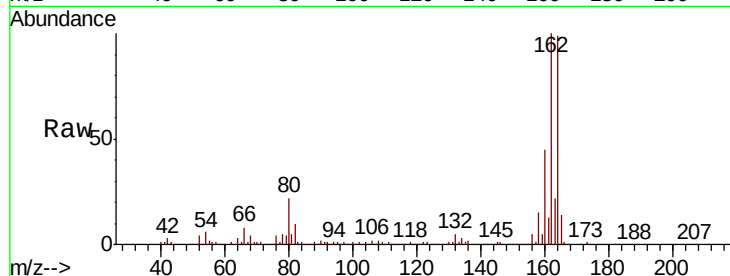




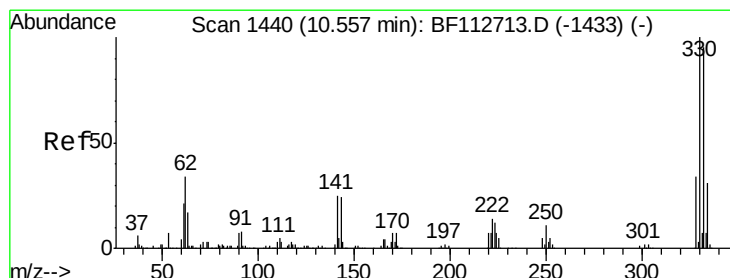
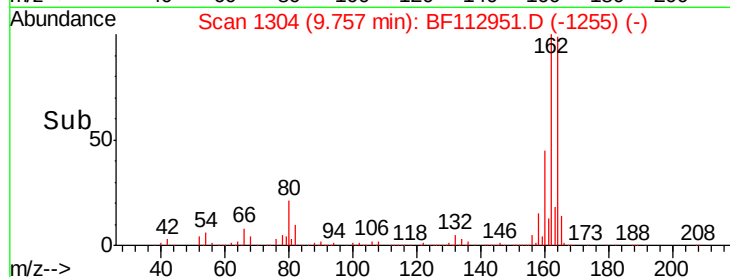
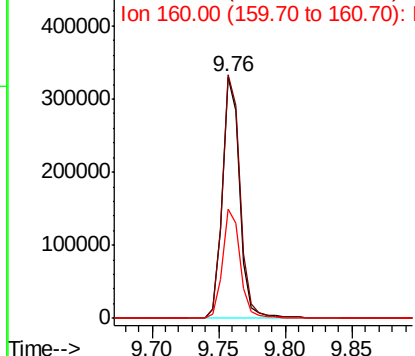
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 306295
Ion Ratio Lower Upper
164 100
162 100.9 80.6 120.8
160 45.4 36.0 54.0

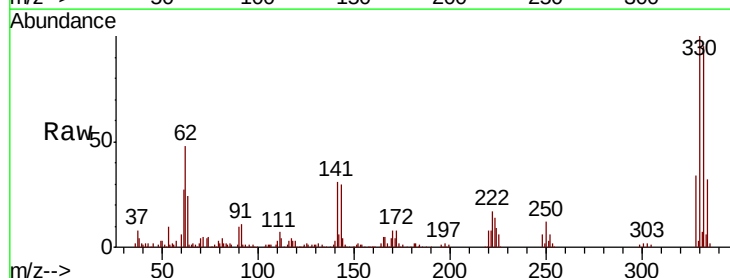


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

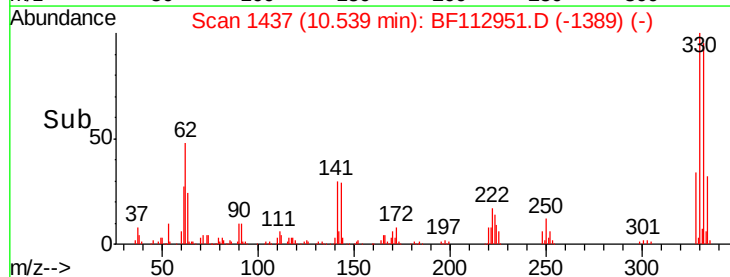
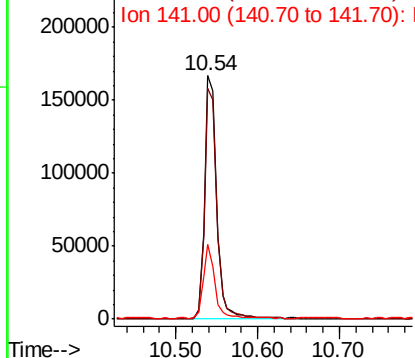


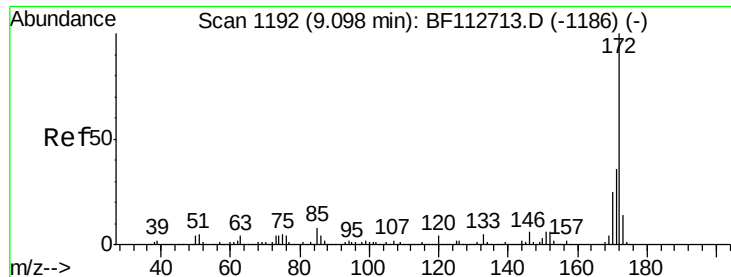
#42
2,4,6-Tribromophenol
Concen: 53.695 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion:330 Resp: 174599
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 28.6 27.0 40.6



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: 35.147 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

Instrument :

BNA_F

ClientSampleId :

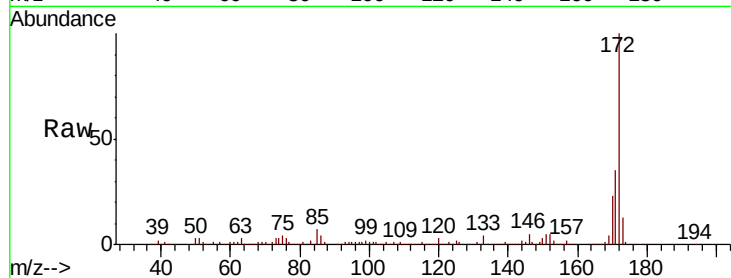
Tot Ion:172 Resp: 762719

Ion Ratio Lower Upper

172 100

171 34.7 29.0 43.4

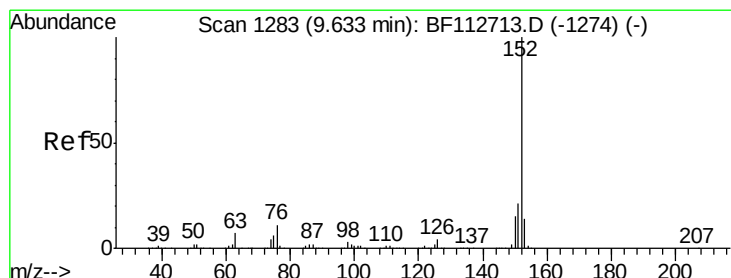
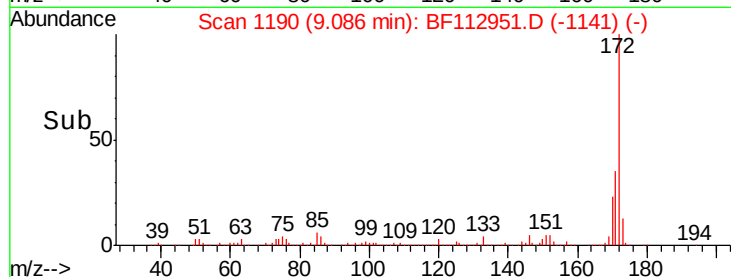
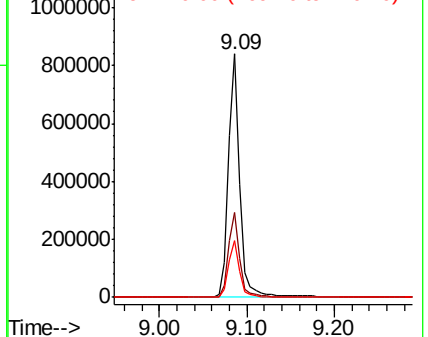
170 23.2 20.0 30.0



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



#49

Acenaphthylene

Concen: 2.092 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

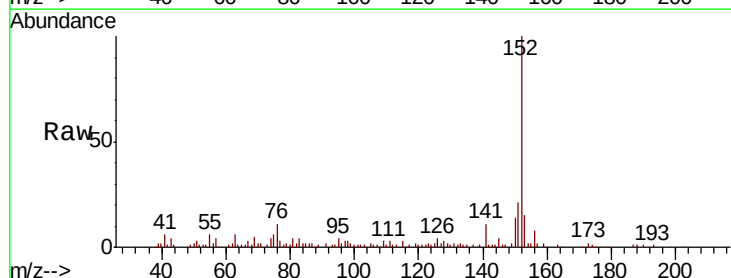
Tgt Ion:152 Resp: 69286

Ion Ratio Lower Upper

152 100

151 20.8 16.9 25.3

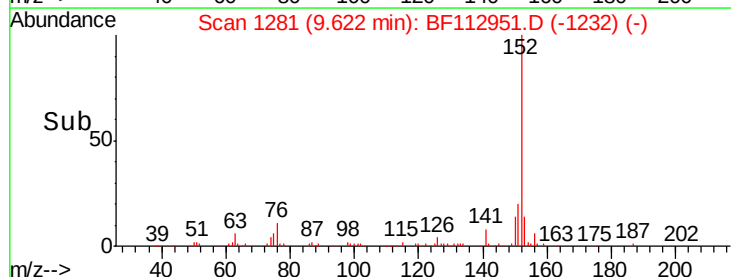
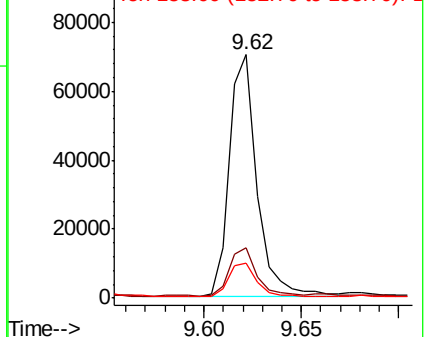
153 14.6 11.0 16.6

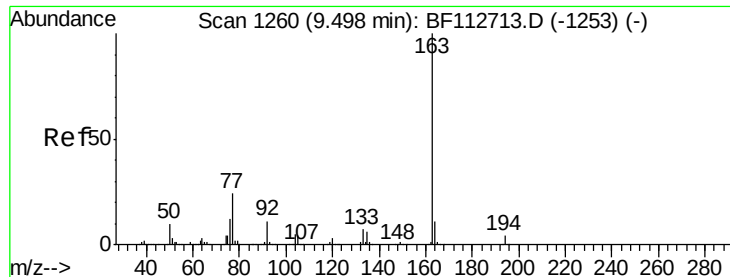


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 2.350 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

Instrument :

BNA_F

ClientSampleId :

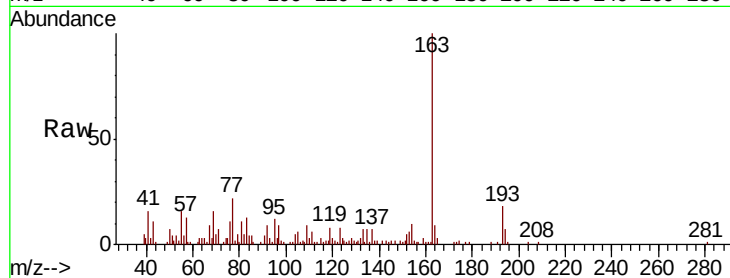
Tot Ion:163 Resp: 53070

Ion Ratio Lower Upper

163 100

194 7.2 3.0 4.4#

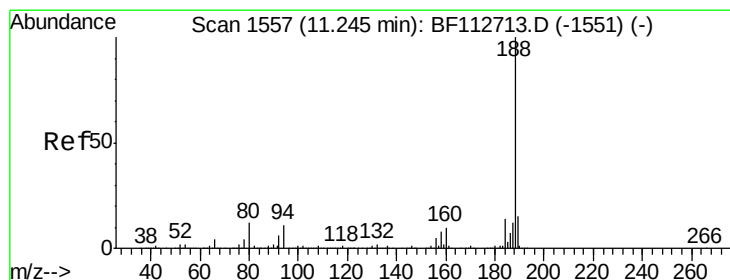
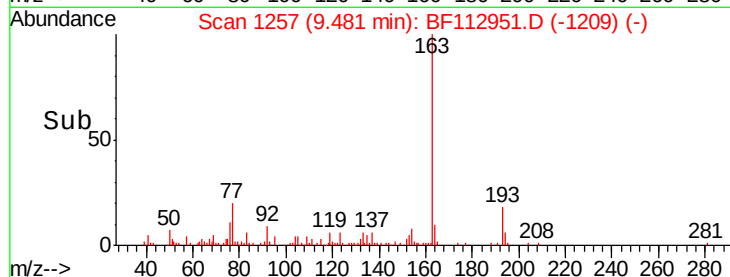
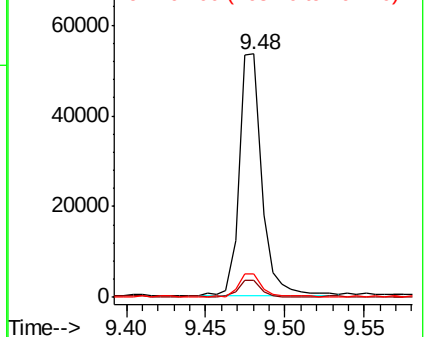
164 9.5 8.4 12.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

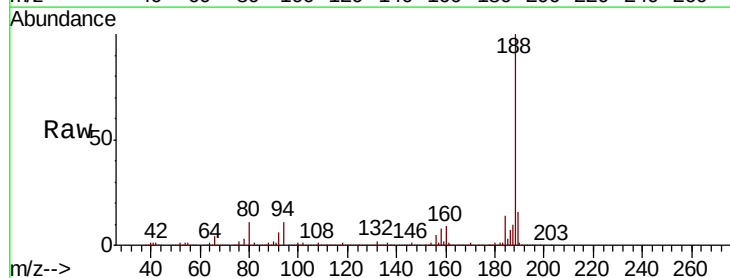
Tgt Ion:188 Resp: 517310

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.4

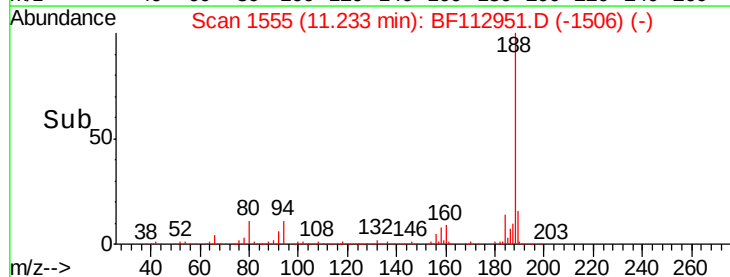
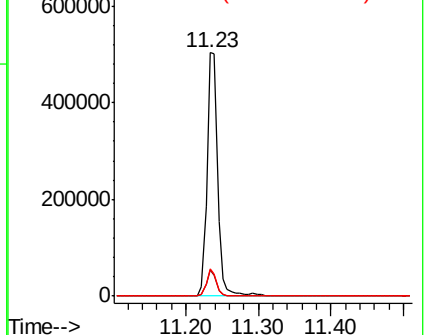
80 11.1 9.2 13.8

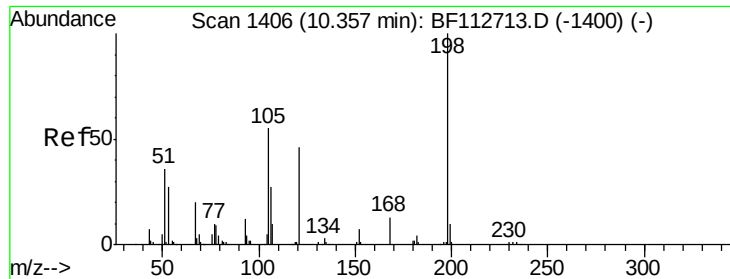


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

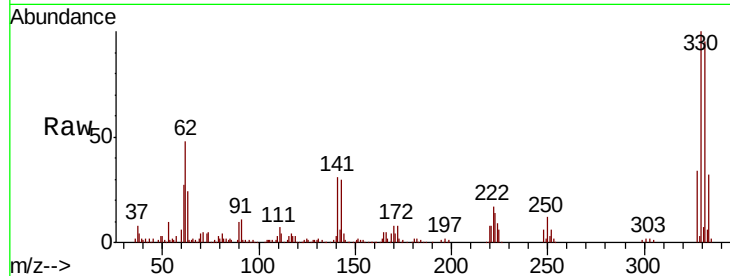




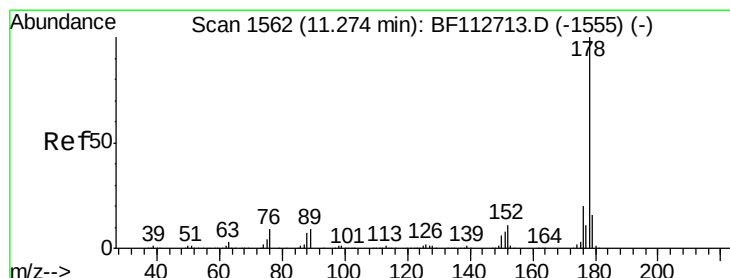
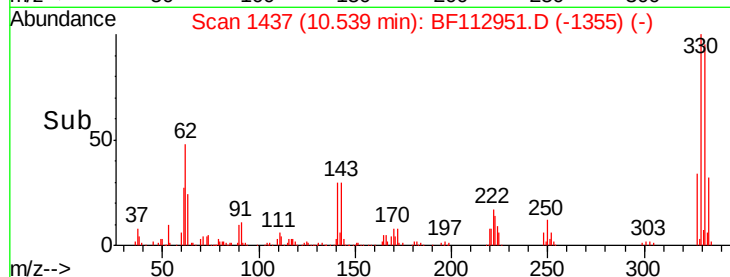
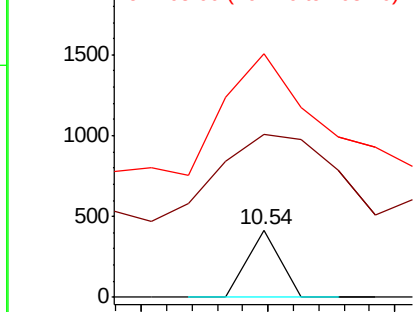
#65
4,6-Dinitro-2-methylphenol
Concen: 4.675 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 146
Ion Ratio Lower Upper
198 100
51 242.9 43.8 83.8#
105 362.9 36.5 76.5#

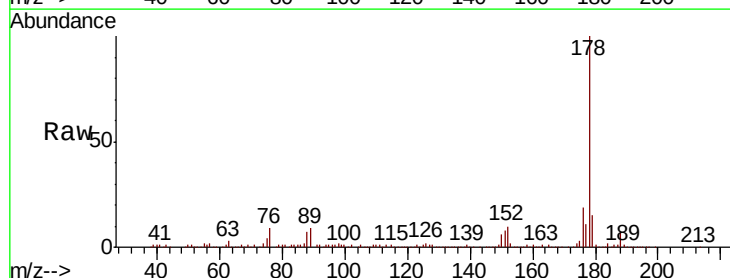


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

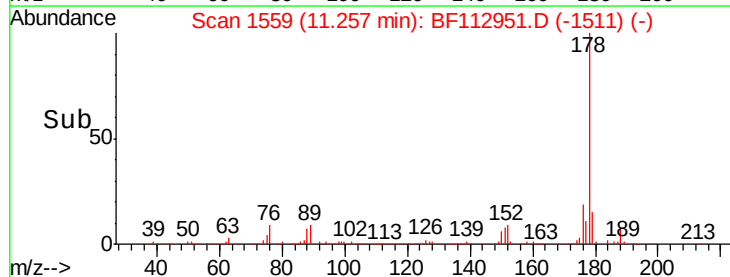
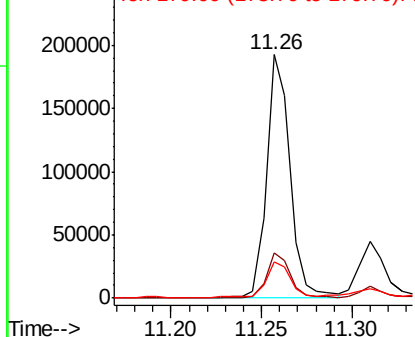


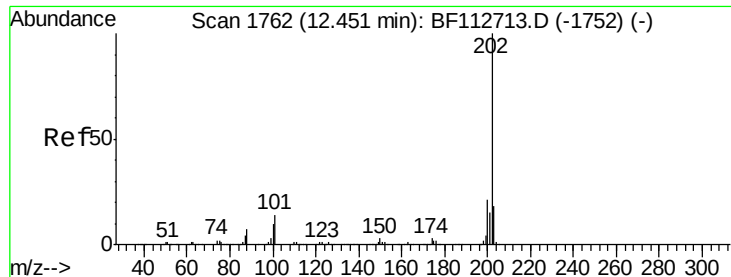
#71
Phenanthrene
Concen: 6.691 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion:178 Resp: 172220
Ion Ratio Lower Upper
178 100
176 18.7 16.3 24.5
179 15.1 12.7 19.1



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: 8.890 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

Instrument :

BNA_F

ClientSampleId :

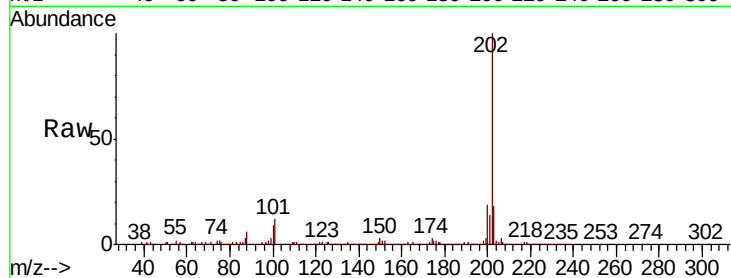
Tot Ion:202 Resp: 245145

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.8

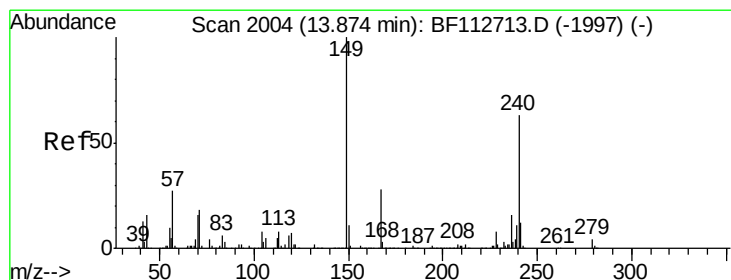
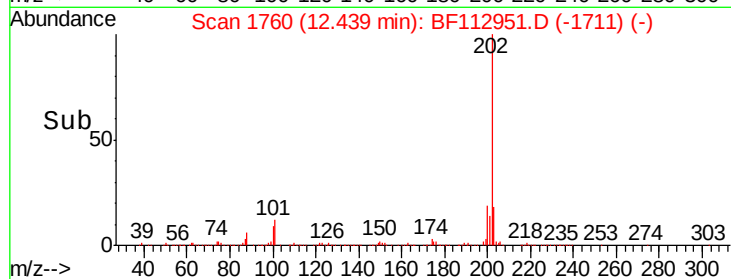
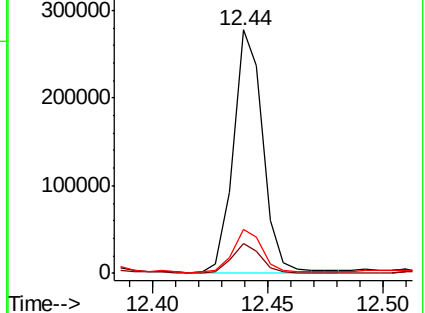
203 17.9 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

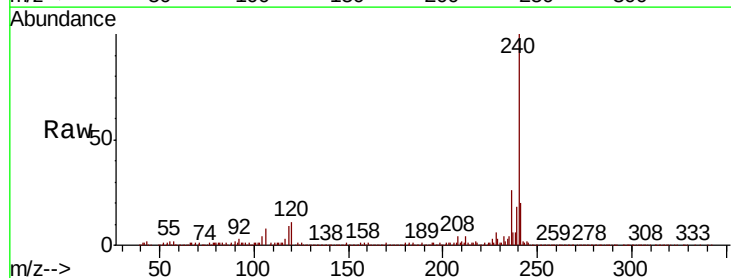
Tgt Ion:240 Resp: 483049

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

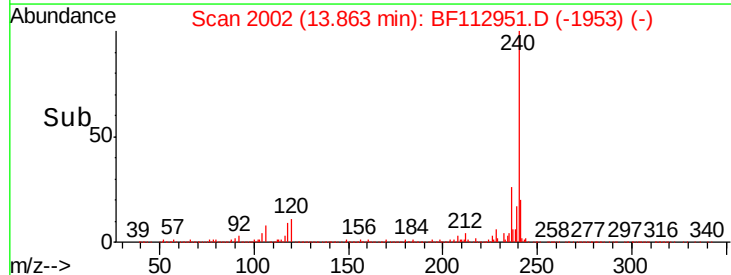
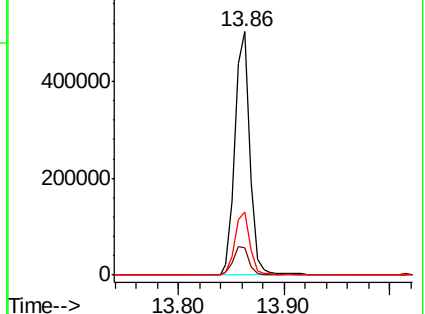
236 26.1 20.7 31.1

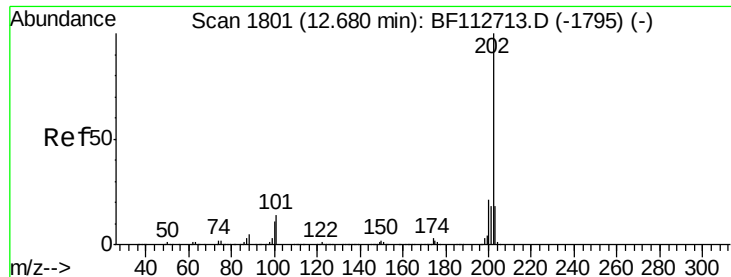


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

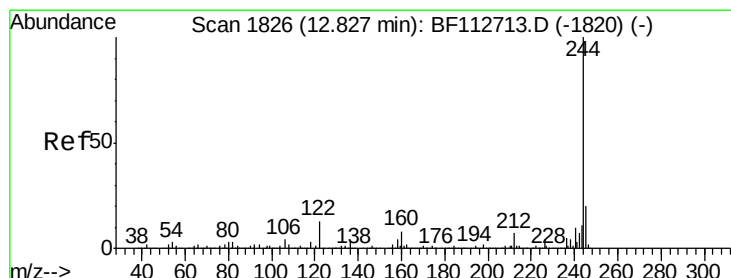
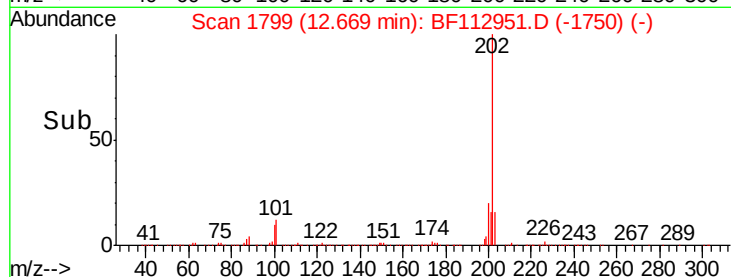
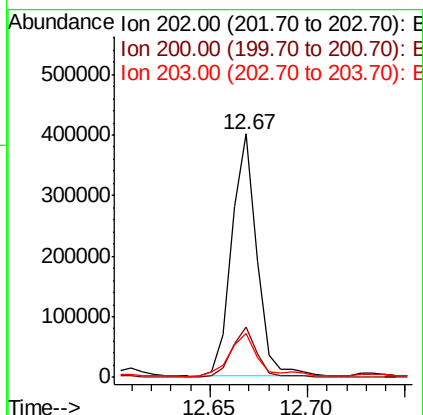
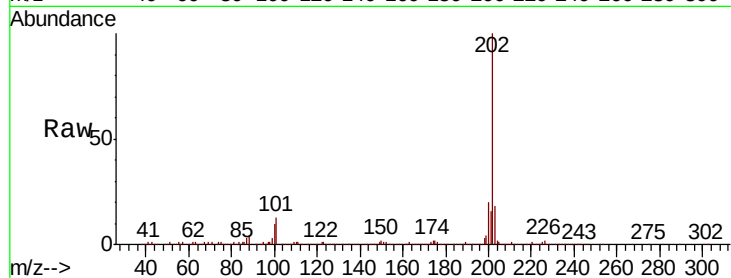




#78
Pvrene
Concen: 8.785 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

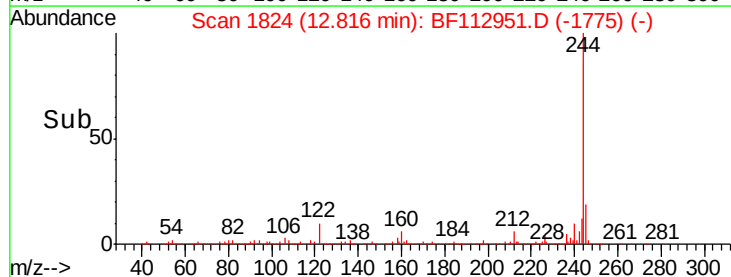
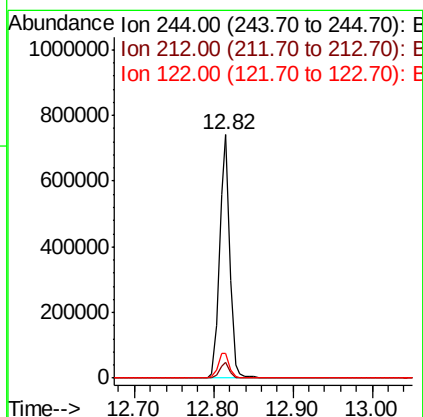
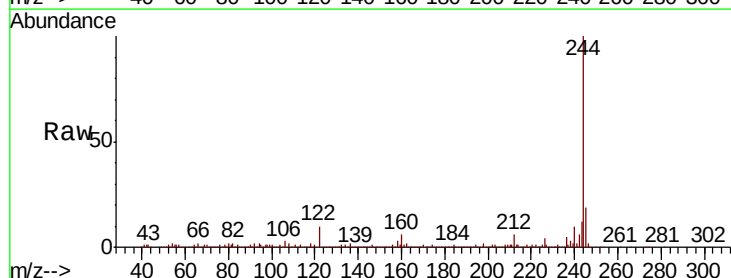
Instrument :
BNA_F
ClientSampled :

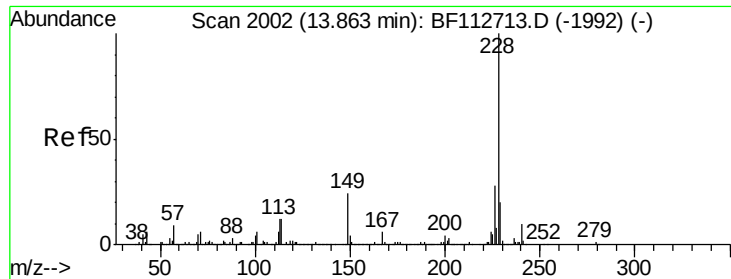
Tot Ion:202 Resp: 357730
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.9 14.4 21.6



#79
Terphenyl-d14
Concen: 26.321 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion:244 Resp: 655884
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 10.1 10.5 15.7#

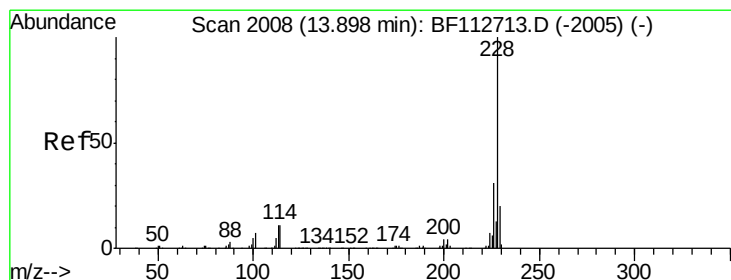
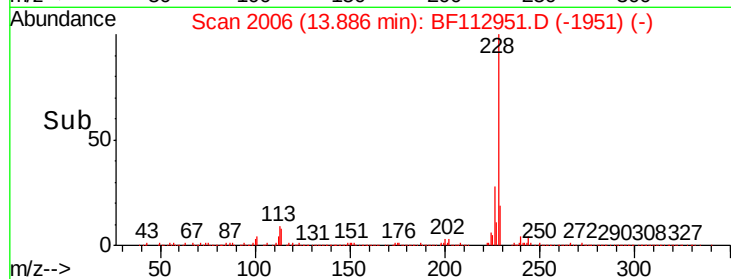
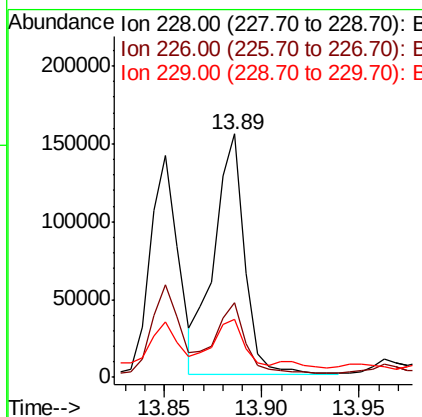
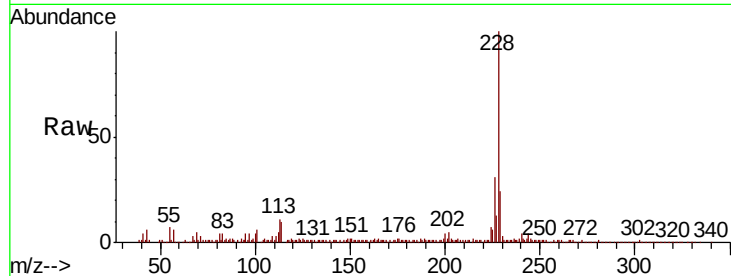




#81
Benzo(a)anthracene
Concen: 5.012 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.02 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

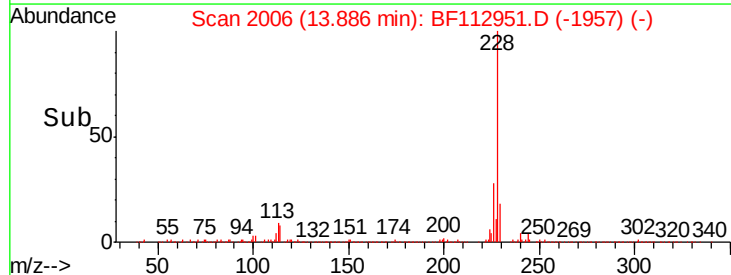
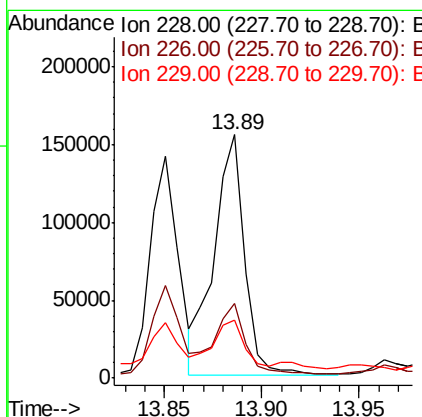
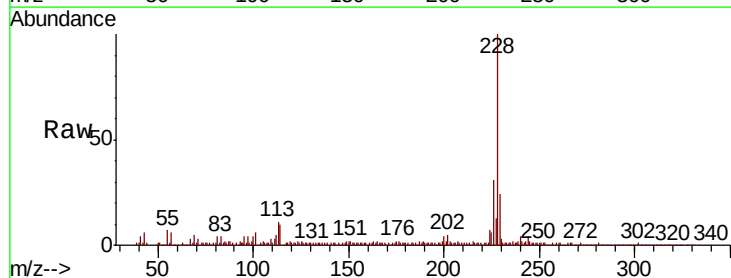
Instrument :
BNA_F
ClientSampleId :

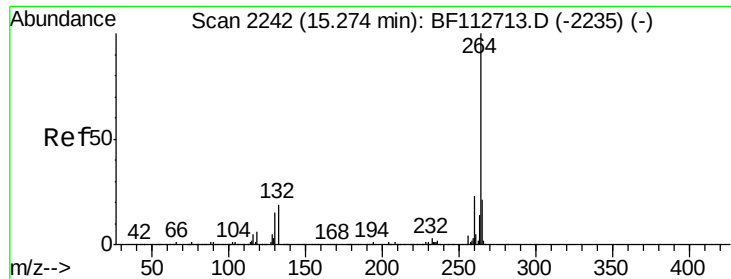
Tot Ion:228 Resp: 167795
Ion Ratio Lower Upper
228 100
226 30.6 22.2 33.4
229 23.7 16.0 24.0



#83
Chrysene
Concen: 5.117 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion:228 Resp: 167795
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 23.7 16.3 24.5

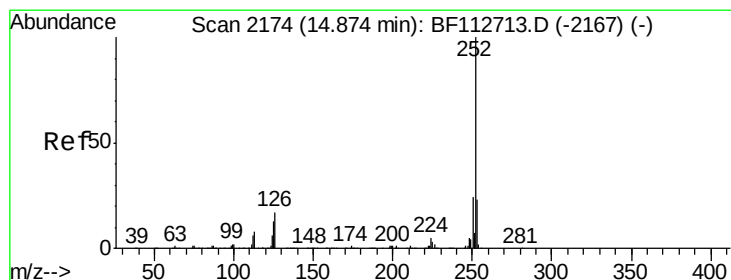
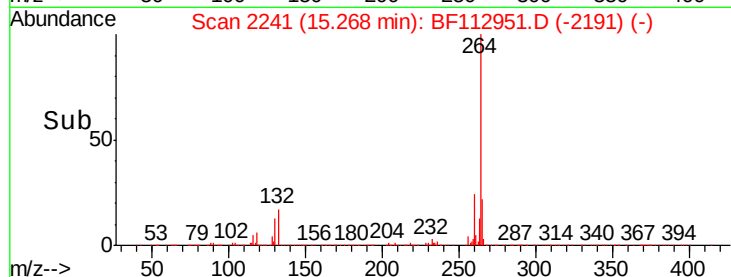
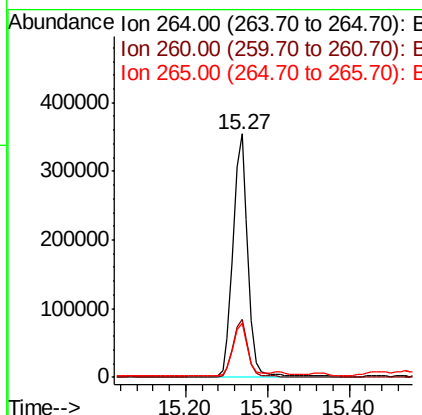
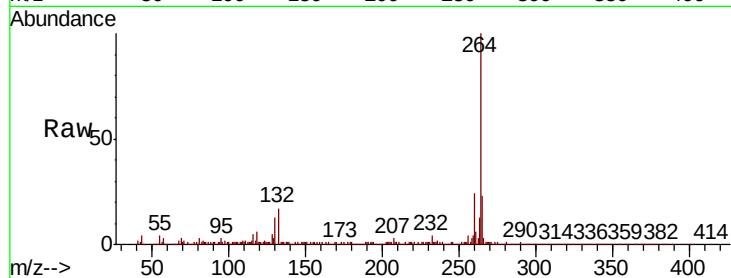




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

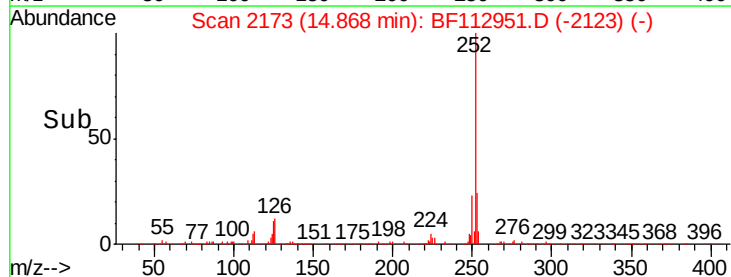
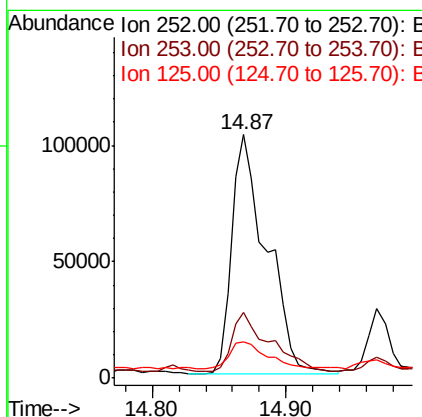
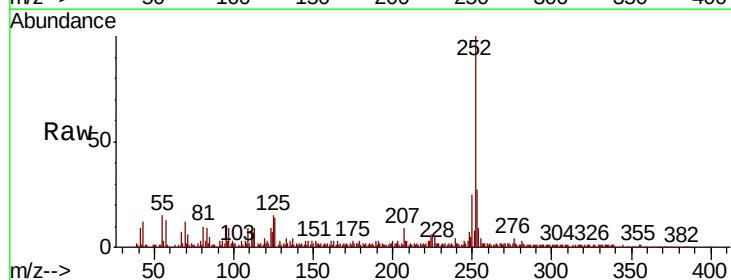
Instrument :
BNA_F
ClientSampleId :

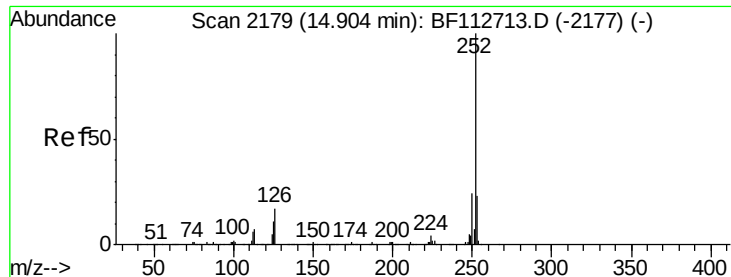
Tot Ion:264 Resp: 445317
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.5 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 6.500 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion:252 Resp: 187227
Ion Ratio Lower Upper
252 100
253 27.1 18.0 27.0#
125 14.8 10.2 15.2

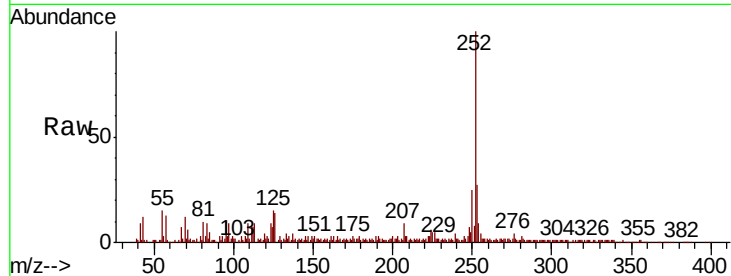




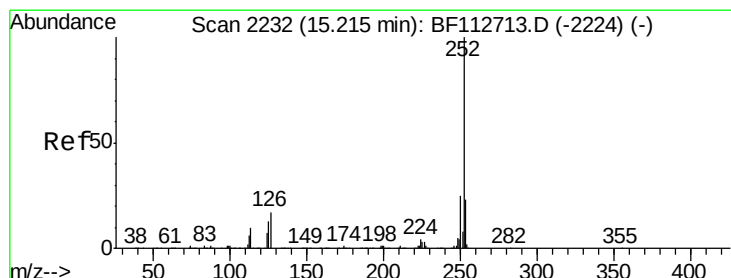
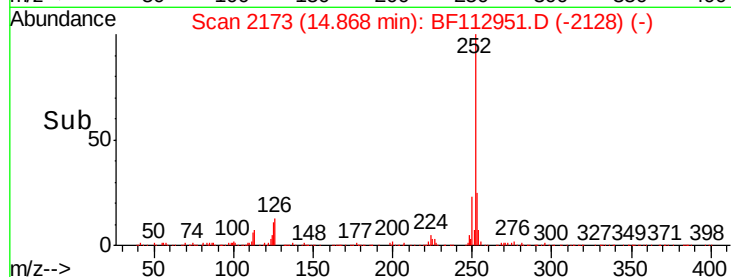
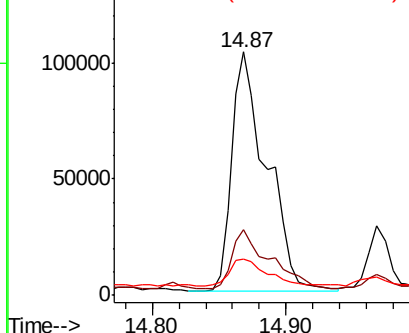
#89
Benzo(k)fluoranthene
Concen: 7.176 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 187227
Ion Ratio Lower Upper
252 100
253 27.1 18.2 27.2
125 14.8 9.8 14.6#

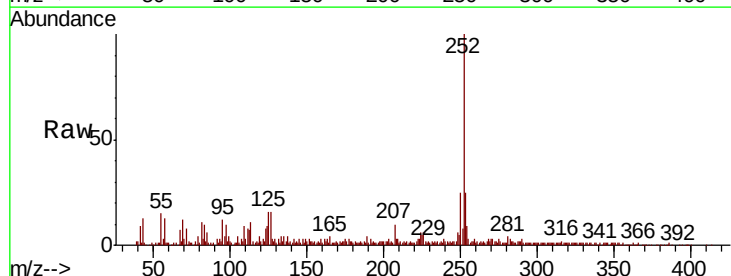


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

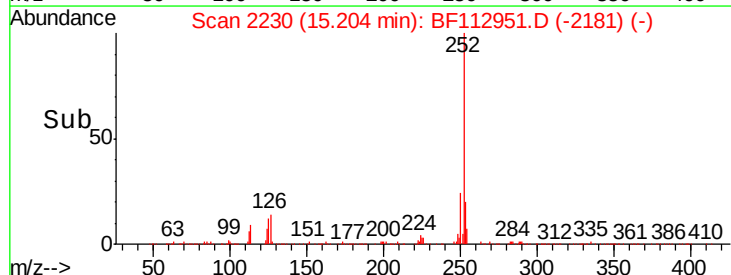
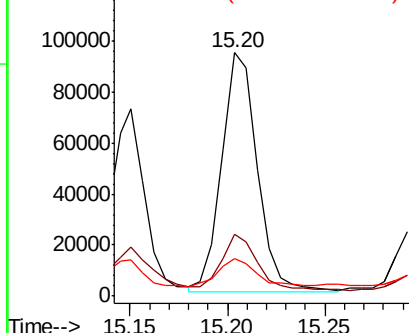


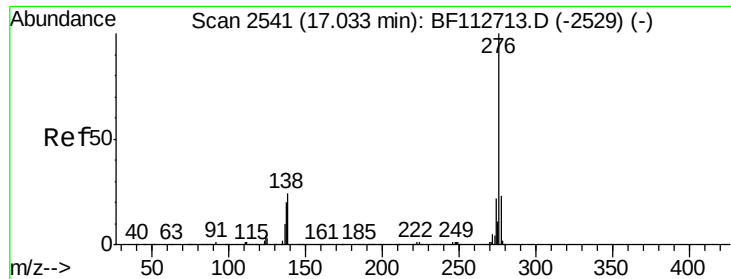
#90
Benzo(a)pyrene
Concen: 4.678 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion:252 Resp: 119193
Ion Ratio Lower Upper
252 100
253 25.3 18.0 27.0
125 15.7 10.7 16.1



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





#92

Benzo(a,h,i)perylene

Concen: 2.730 ng

RT: 17.02 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

Instrument :

BNA_F

ClientSampleId :

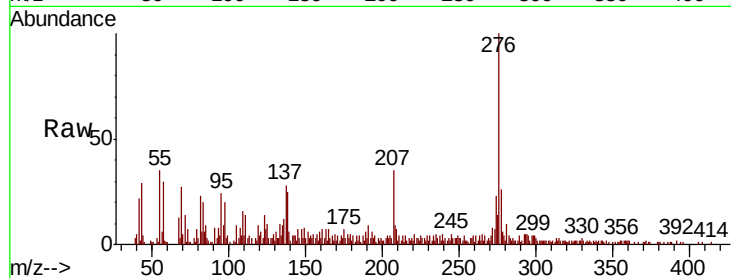
Tot Ion:276 Resp: 59603

Ion Ratio Lower Upper

276 100

277 26.4 18.6 27.8

138 25.4 19.4 29.0



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

