

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112812.D
 Acq On : 1 Mar 2019 20:53
 Operator : JU/SJ
 Sample : K1675-37
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-14-A

Quant Time: Mar 01 21:59:57 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	6.75	152	157604	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	542637	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	218483	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	416121	20.00	ng	0.00
76) Chrysene-d12	13.87	240	445215	20.00	ng	0.00
87) Perylene-d12	15.29	264	337631	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	875210	86.38	ng	0.01
7) Phenol-d6	6.37	99	1085471	85.29	ng	0.00
23) Nitrobenzene-d5	7.30	82	628207	69.27	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	250121	107.84	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1047586	77.65	ng	0.00
79) Terphenyl-d14	12.83	244	1128717	49.15	ng	0.00

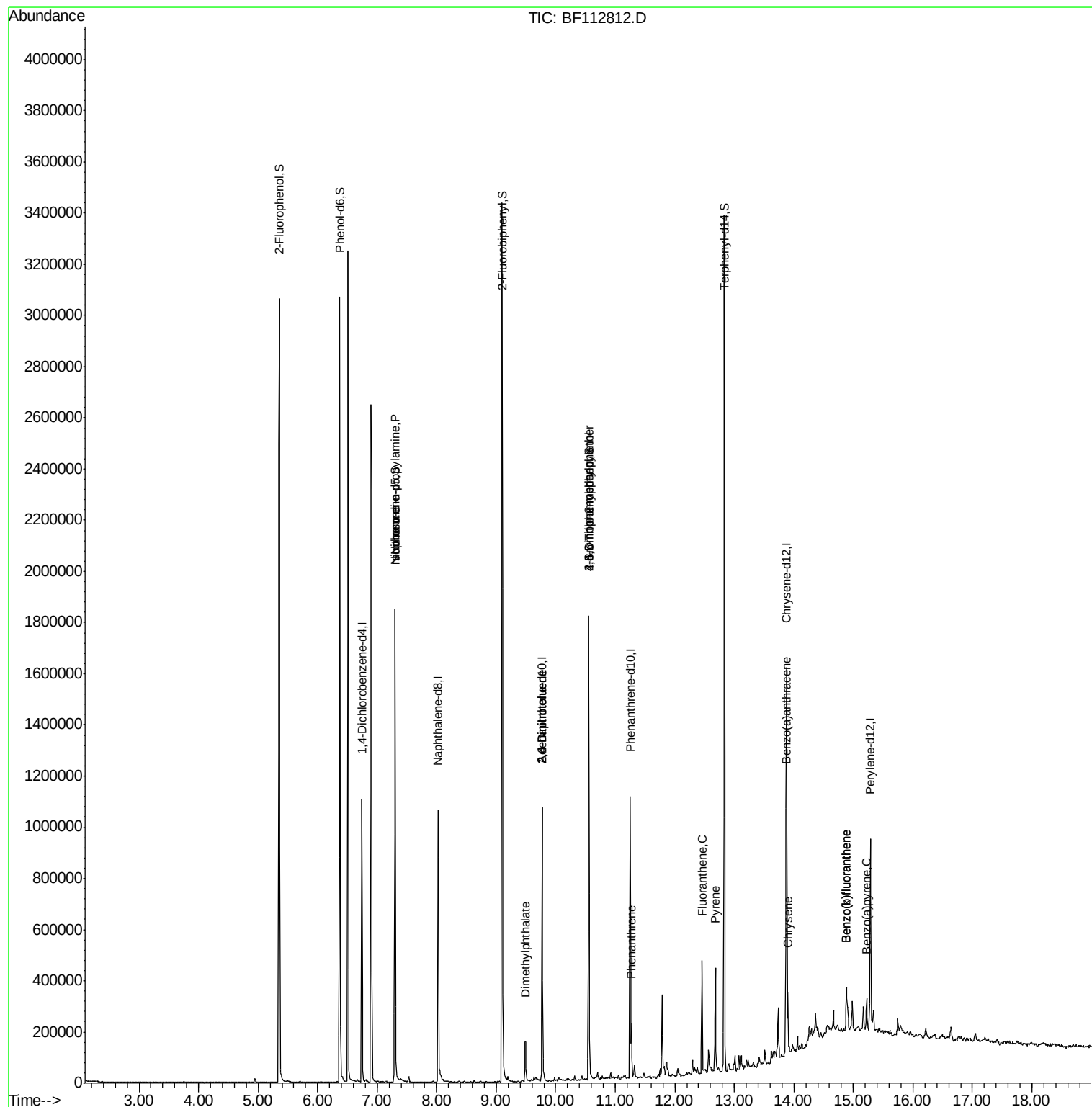
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	81976	10.170	ng	# 78
25) Isophorone	7.30	82	624992	31.991	ng	# 66
50) Dimethylphthalate	9.49	163	71149	4.416	ng	99
51) 2,6-Dinitrotoluene	9.77	165	27596	8.226	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	27596	6.618	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	300	4.771	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	14244	3.250	ng	# 1
71) Phenanthrene	11.27	178	77934	3.764	ng	97
75) Fluoranthene	12.46	202	174926	7.886	ng	95
78) Pyrene	12.68	202	163324	4.352	ng	98
81) Benzo(a)anthracene	13.86	228	94468	3.062	ng	99
83) Chrysene	13.90	228	84230	2.787	ng	95
88) Benzo(b)fluoranthene	14.89	252	119864	5.489	ng	97
89) Benzo(k)fluoranthene	14.89	252	119864	6.059	ng	98
90) Benzo(a)pyrene	15.22	252	55576	2.877	ng	94

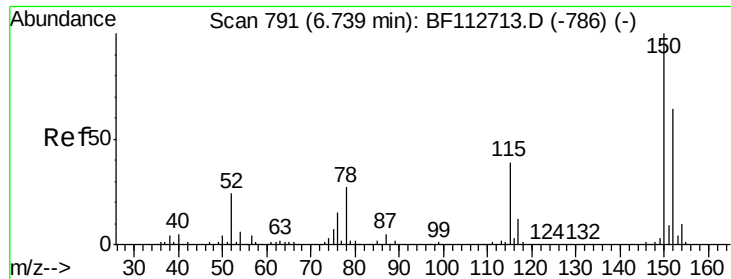
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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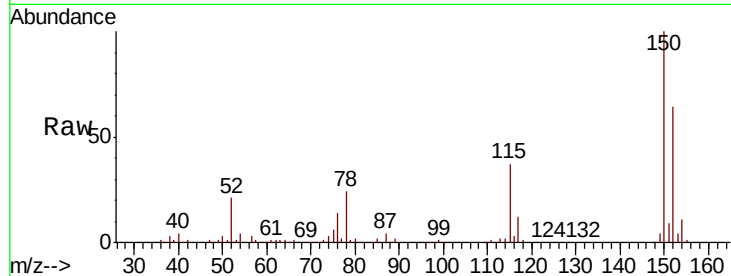


#1

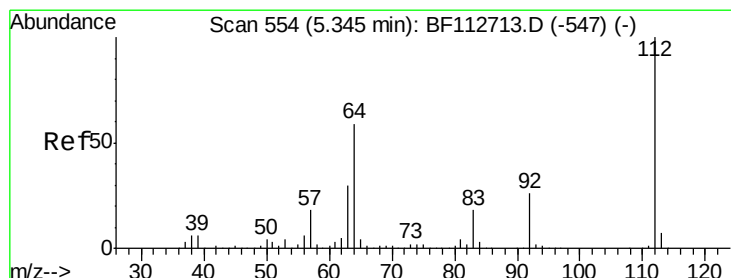
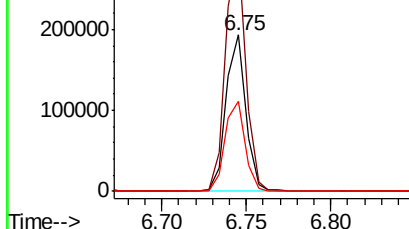
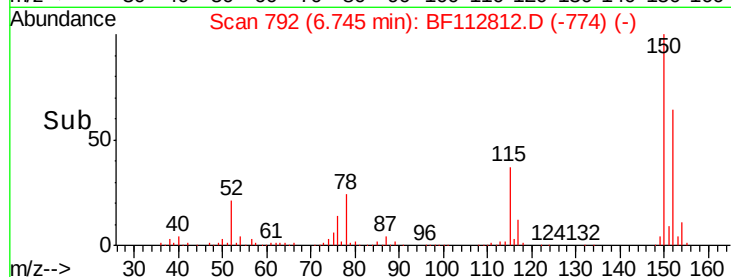
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Instrument :
BNA_F
ClientSampleId :
Z-3-14-A

Tgt Ion:152 Resp: 157604
Ion Ratio Lower Upper
152 100
150 155.6 124.2 186.2
115 57.4 48.2 72.4



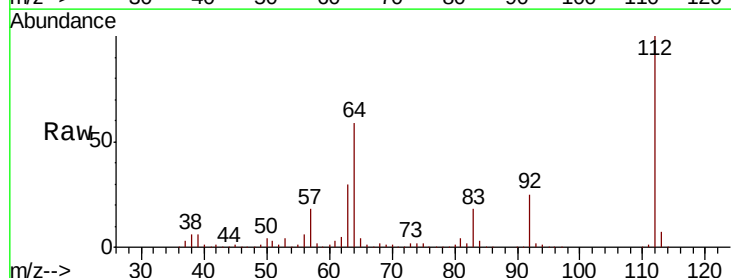
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



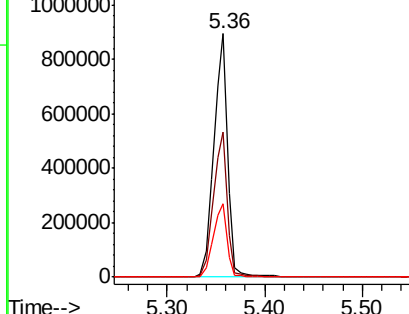
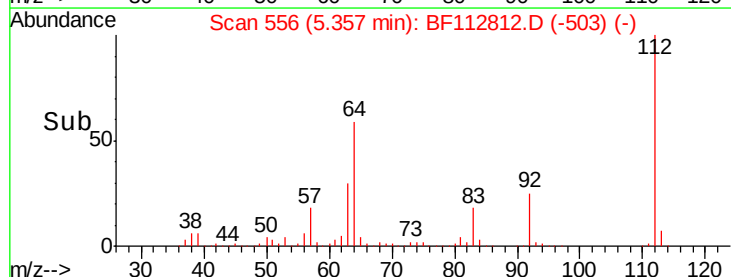
#5

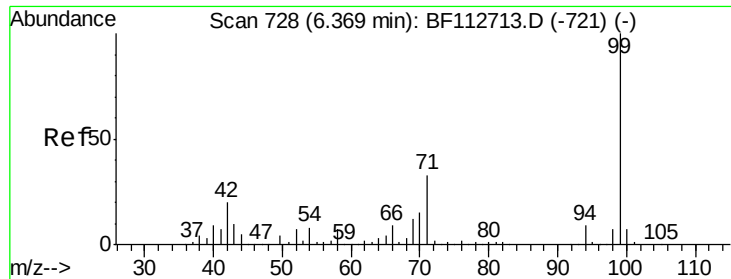
2-Fluorophenol
Concen: 86.383 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Tgt Ion:112 Resp: 875210
Ion Ratio Lower Upper
112 100
64 59.3 47.6 71.4
63 30.4 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: 85.288 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

Instrument :

BNA_F

ClientSampled :

Z-3-14-A

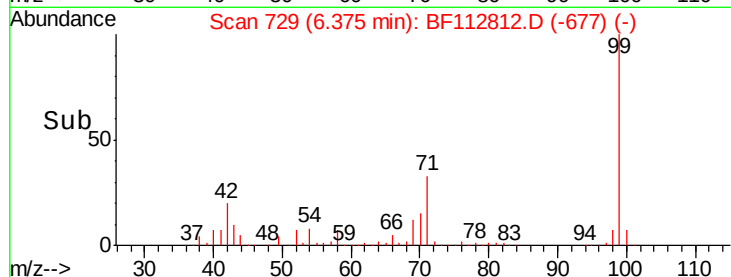
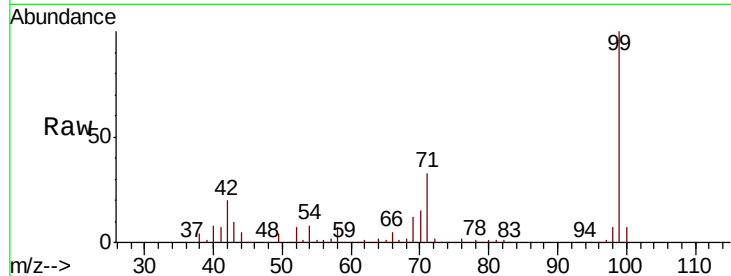
Tgt Ion: 99 Resp: 1085471

Ion Ratio Lower Upper

99 100

42 19.5 16.3 24.5

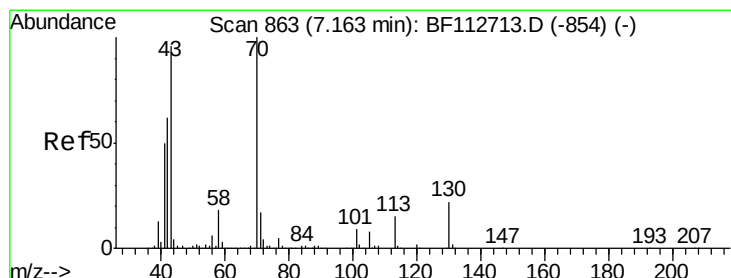
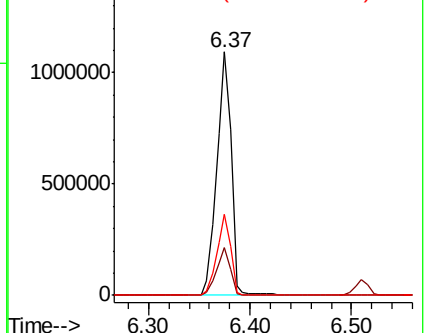
71 33.1 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.170 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

Tgt Ion: 70 Resp: 81976

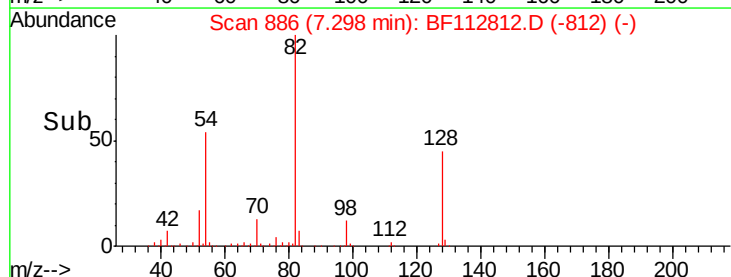
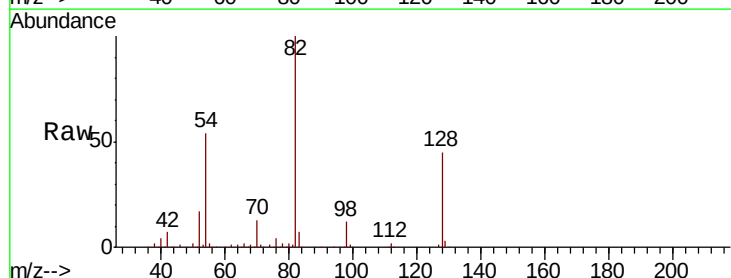
Ion Ratio Lower Upper

70 100

42 51.1 49.9 74.9

101 0.0 7.4 11.2#

130 1.9 17.4 26.2#

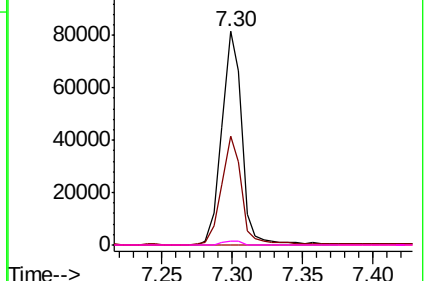


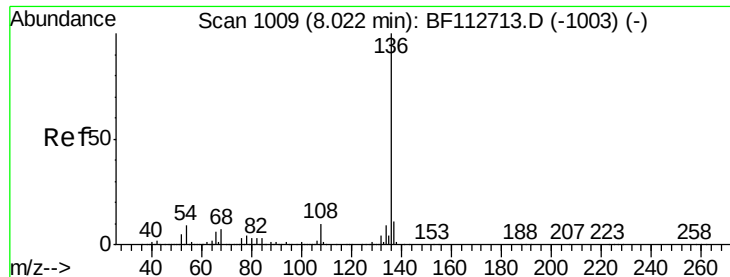
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

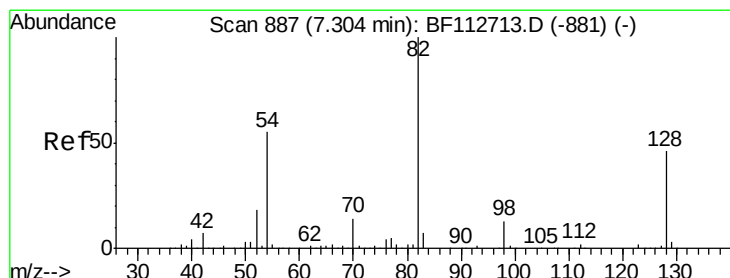
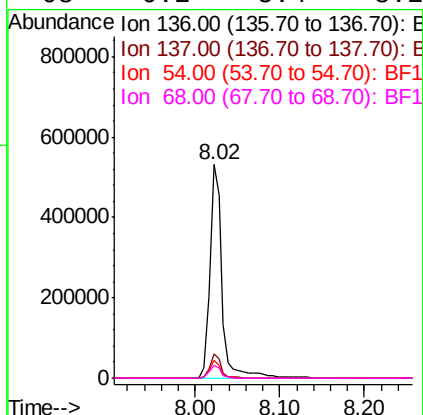
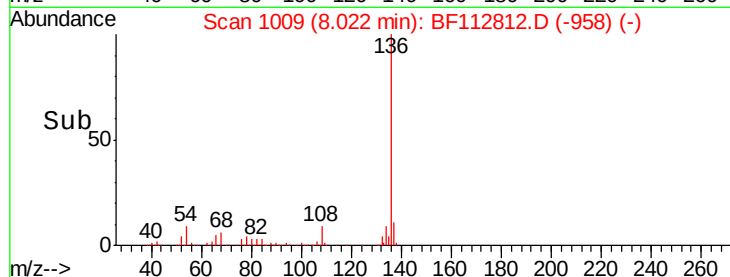
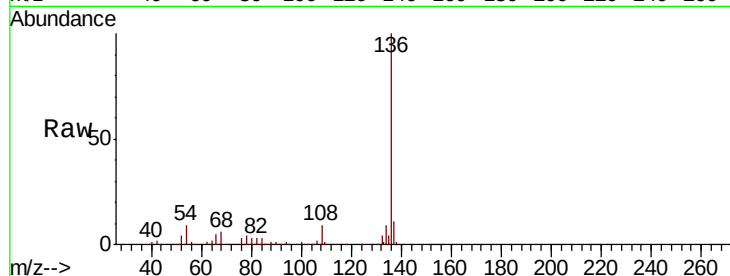




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

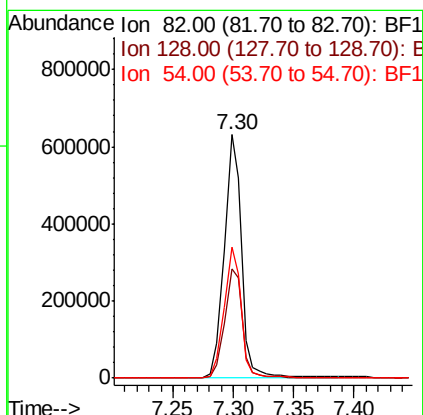
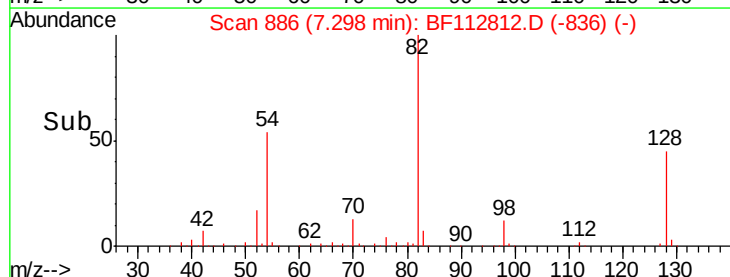
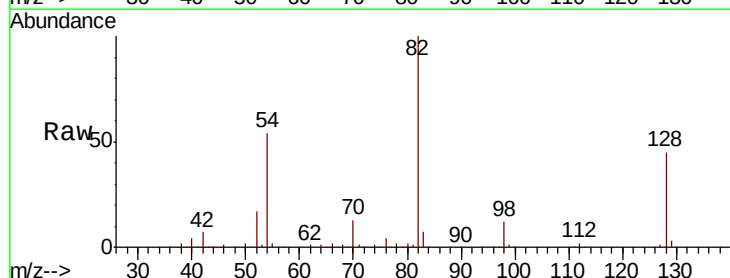
Instrument :
BNA_F
ClientSampleId :
Z-3-14-A

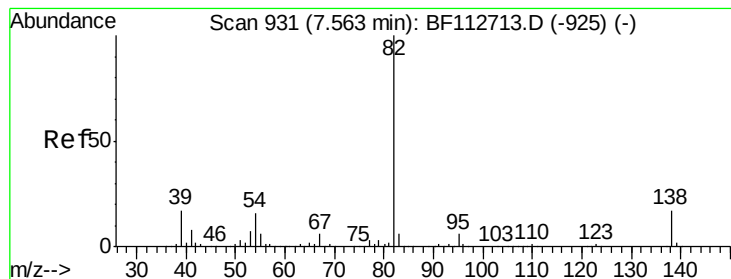
Tgt Ion:	136	Resp:	542637
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.6	7.3	10.9
68	6.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 69.274 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Tgt Ion:	82	Resp:	628207
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.3	54.5
54	53.8	43.7	65.5





#25

Isophorone

Concen: 31.991 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

Instrument :

BNA_F

ClientSampleId :

Z-3-14-A

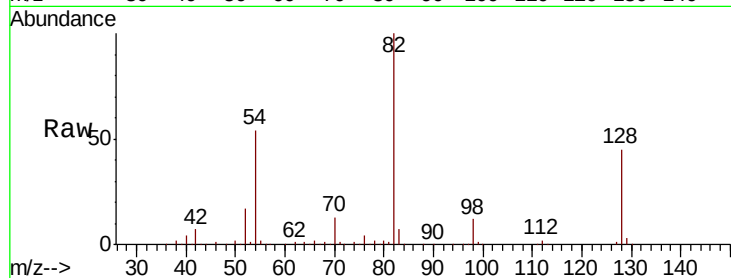
Tgt Ion: 82 Resp: 624992

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

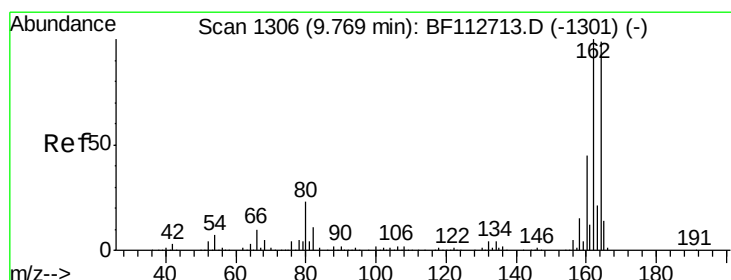
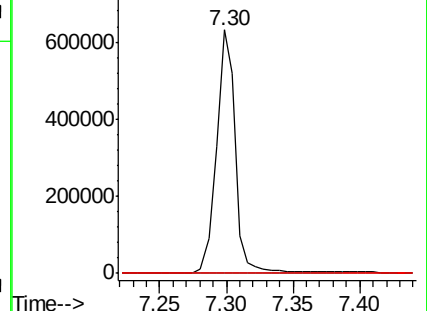
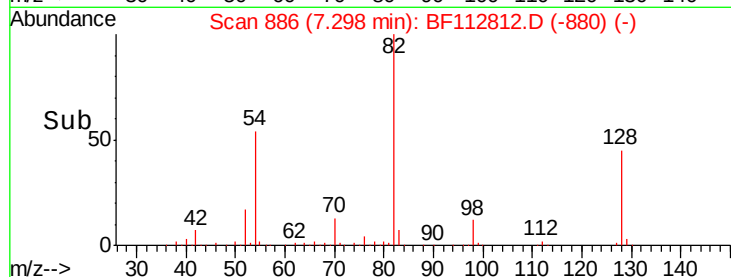
138 0.0 13.8 20.8#



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: 9.77 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

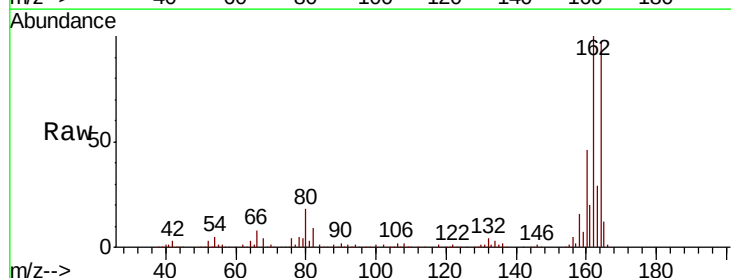
Tgt Ion: 164 Resp: 218483

Ion Ratio Lower Upper

164 100

162 102.7 80.6 120.8

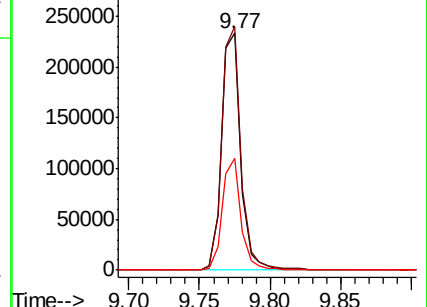
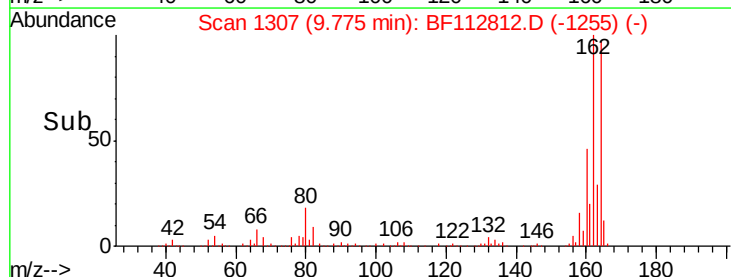
160 47.3 36.0 54.0

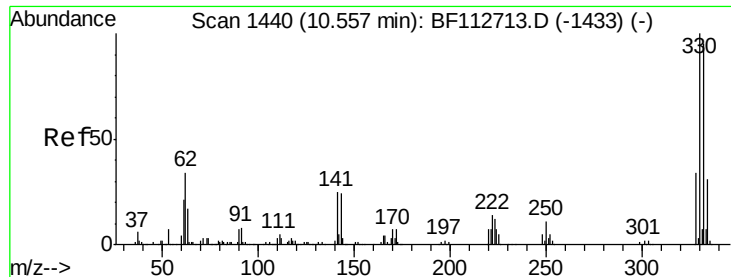


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 107.835 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

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ClientSampleId :

Z-3-14-A

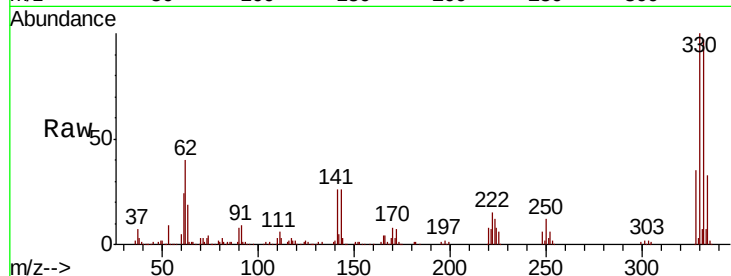
Tgt Ion:330 Resp: 250121

Ion Ratio Lower Upper

330 100

332 97.4 76.2 114.4

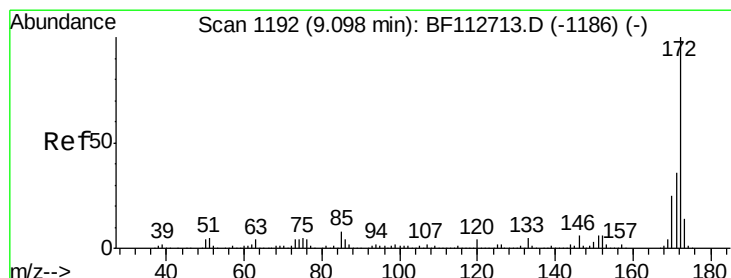
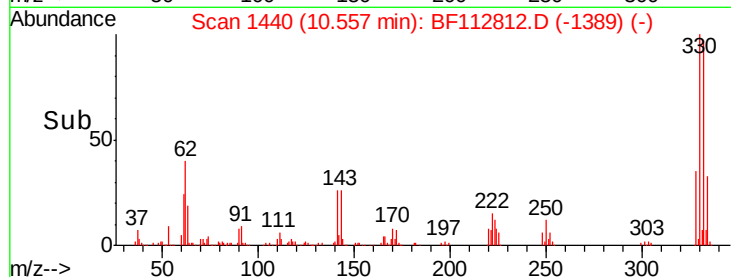
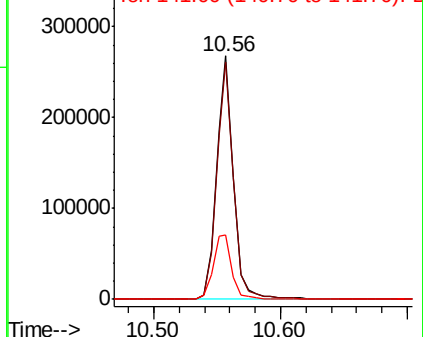
141 29.6 27.0 40.6



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: 77.647 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

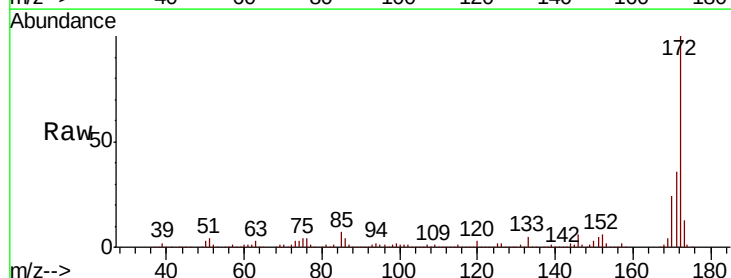
Tgt Ion:172 Resp: 1047586

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

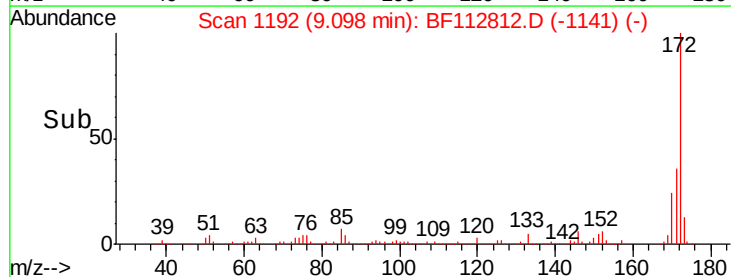
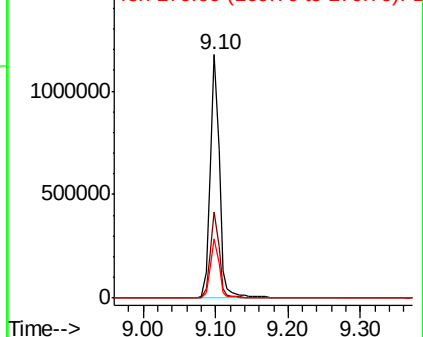
170 24.1 20.0 30.0

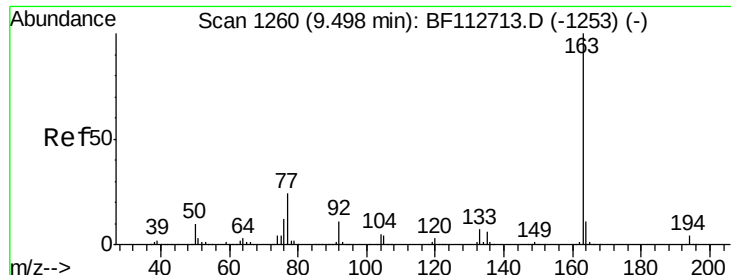


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

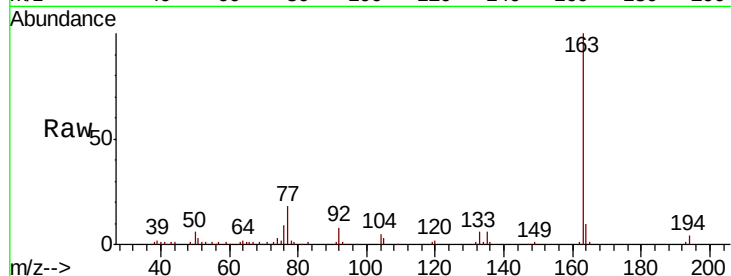




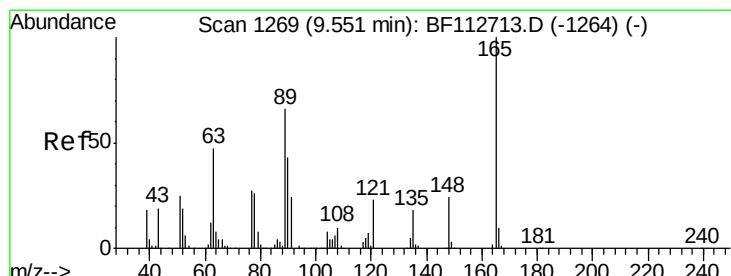
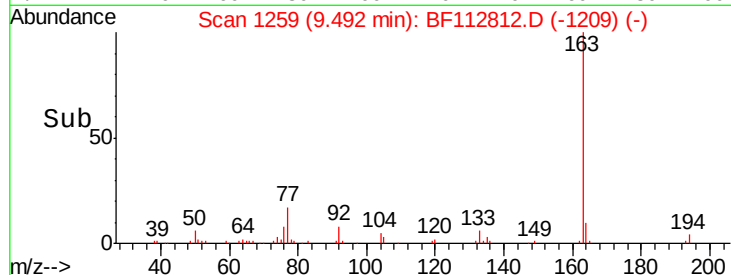
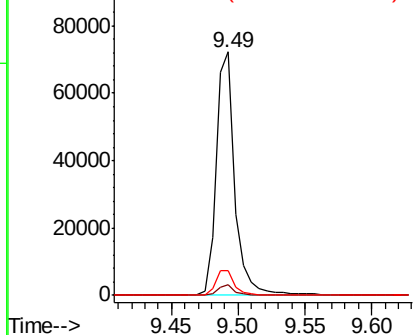
#50
Dimethylphthalate
Concen: 4.416 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Instrument :
BNA_F
ClientSampleId :
Z-3-14-A

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.9	8.4	12.6

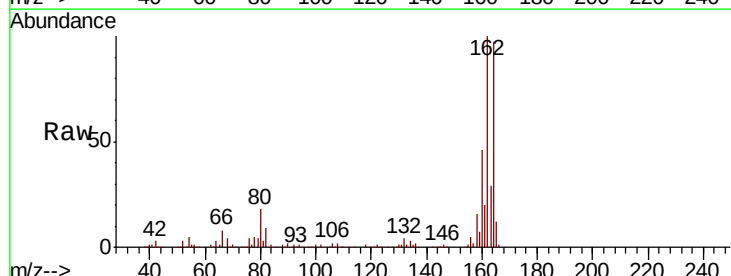


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

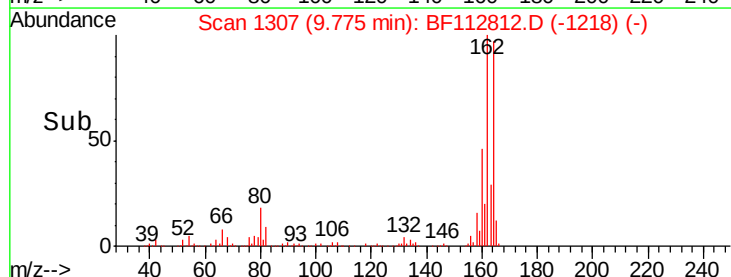
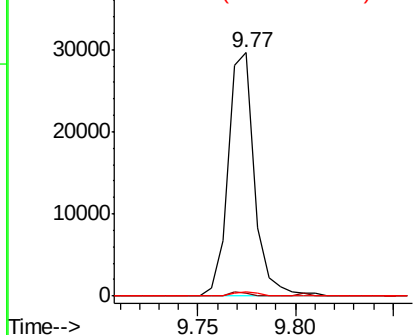


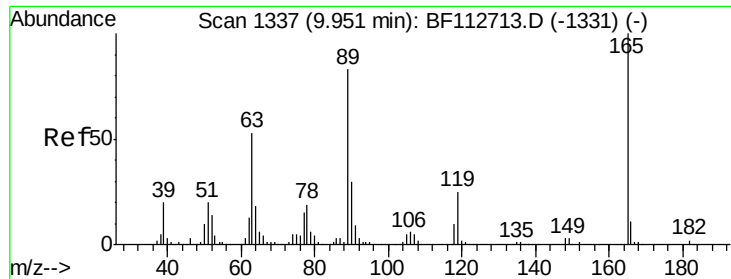
#51
2,6-Dinitrotoluene
Concen: 8.226 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.22 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	54.1	81.1#
89	1.8	52.8	79.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

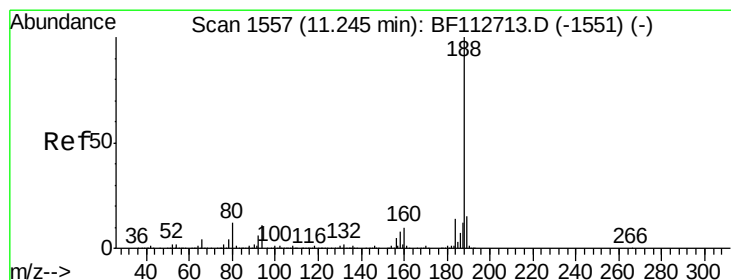
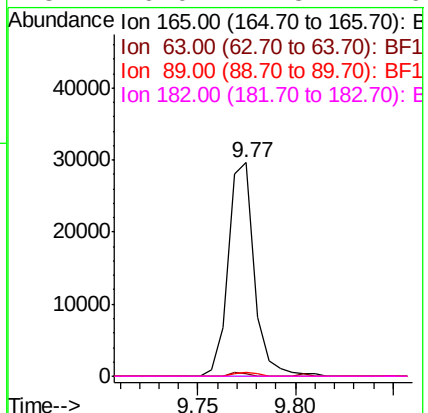
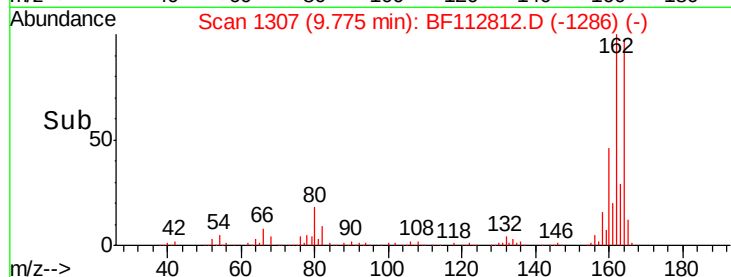
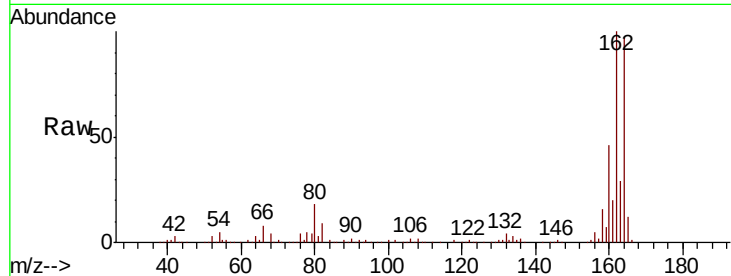




#57
2,4-Dinitrotoluene
Concen: 6.618 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.18 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

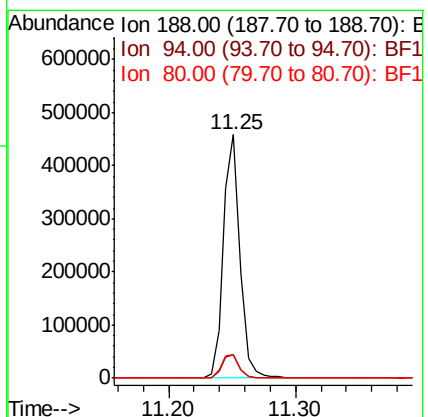
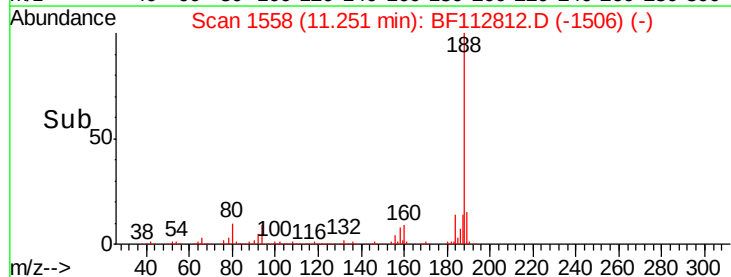
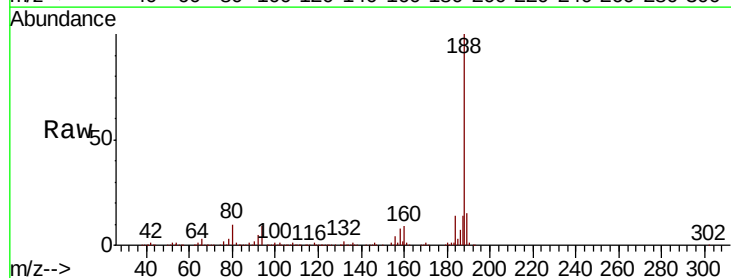
Instrument :
BNA_F
ClientSampleId :
Z-3-14-A

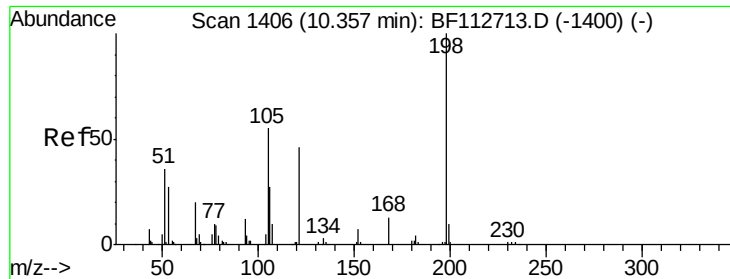
Tgt Ion:	165	Resp:	27596
Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	1.8	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Tgt Ion:	188	Resp:	416121
Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	9.5	9.2	13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 4.771 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.20 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

Instrument :

BNA_F

ClientSampleId :

Z-3-14-A

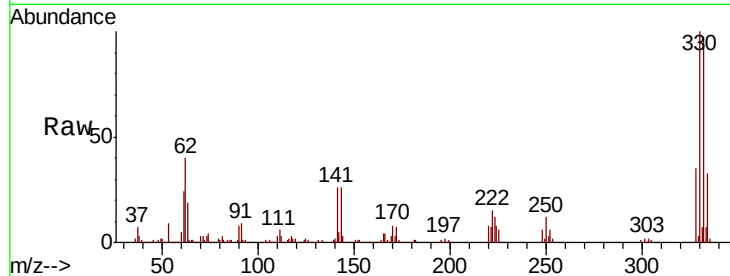
Tgt Ion:198 Resp: 300

Ion Ratio Lower Upper

198 100

51 256.3 43.8 83.8#

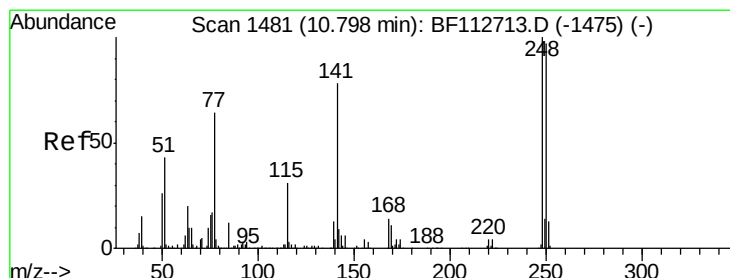
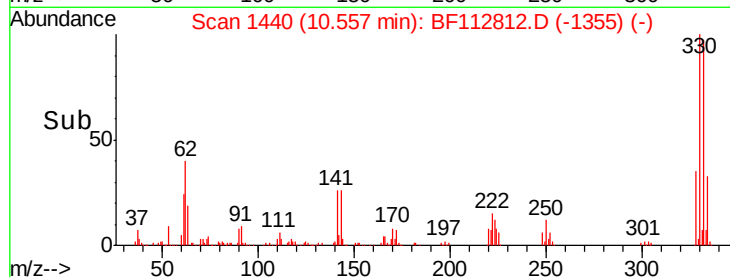
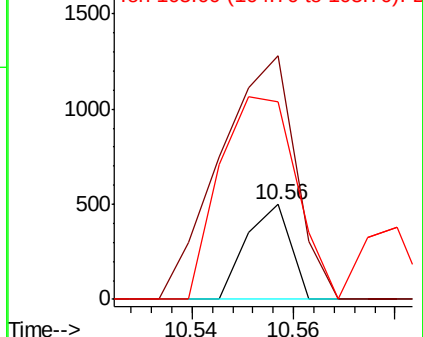
105 207.4 36.5 76.5#



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



#67

4-Bromophenyl-phenylether

Concen: 3.250 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

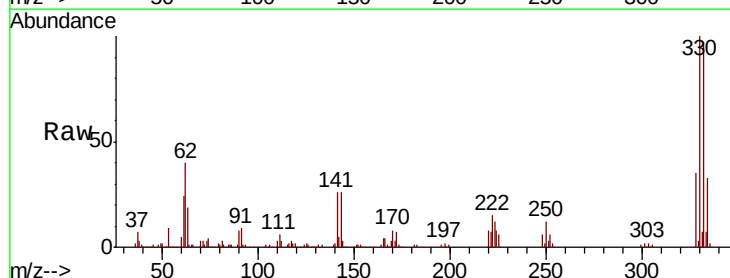
Tgt Ion:248 Resp: 14244

Ion Ratio Lower Upper

248 100

250 211.2 77.5 116.3#

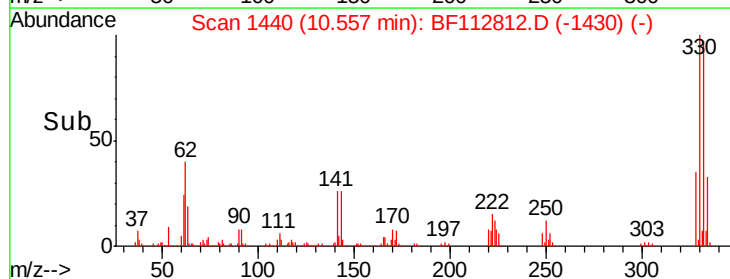
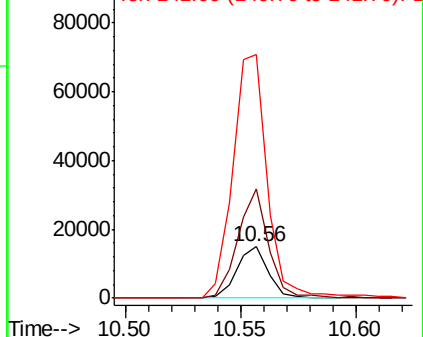
141 472.9 62.4 93.6#

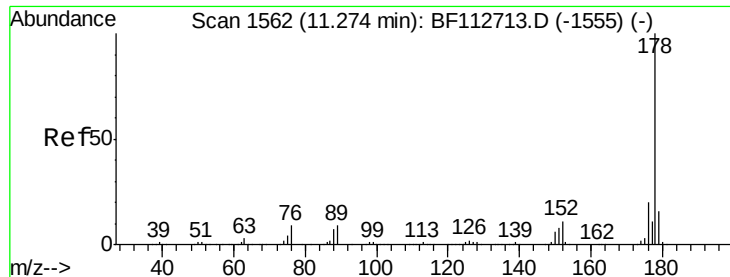


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

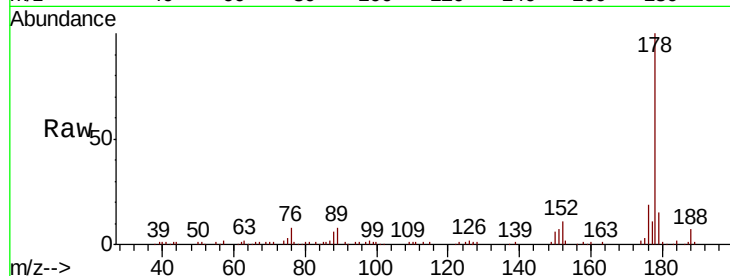




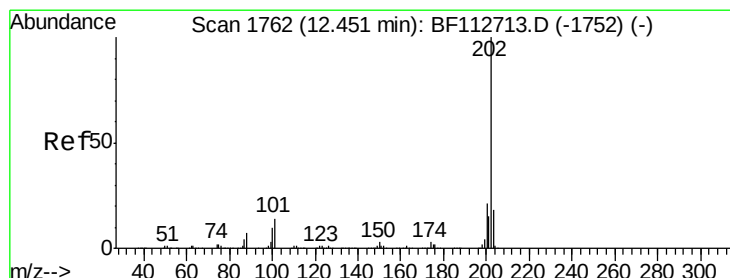
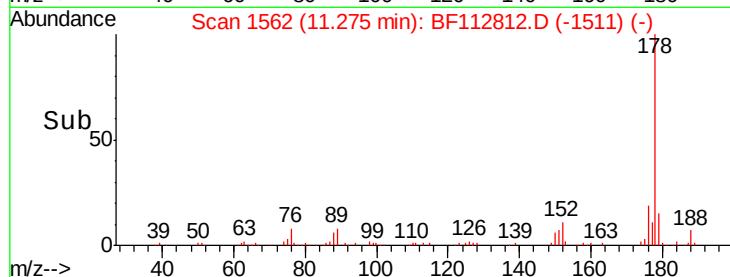
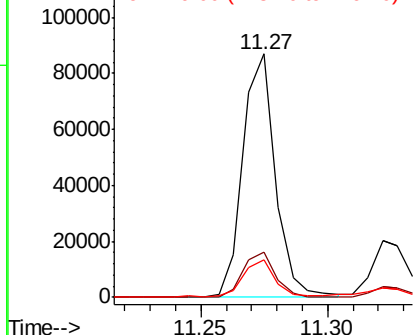
#71
Phenanthrene
Concen: 3.764 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Instrument :
BNA_F
ClientSampleId :
Z-3-14-A

Tgt Ion:178 Resp: 77934
Ion Ratio Lower Upper
178 100
176 18.5 16.3 24.5
179 15.2 12.7 19.1

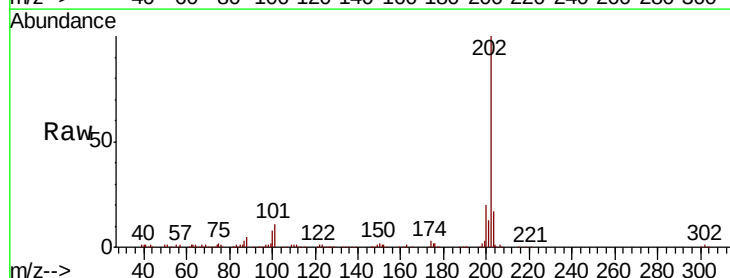


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

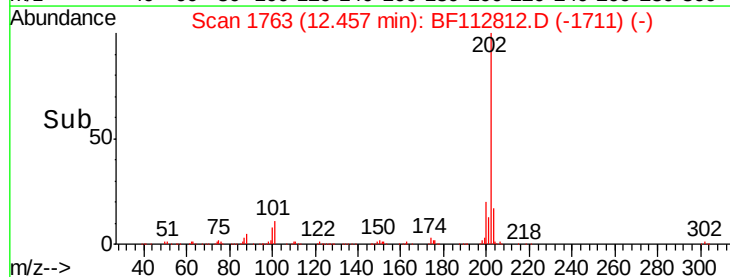
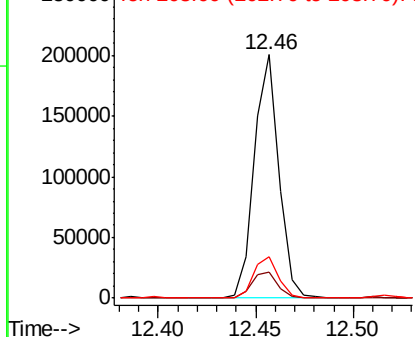


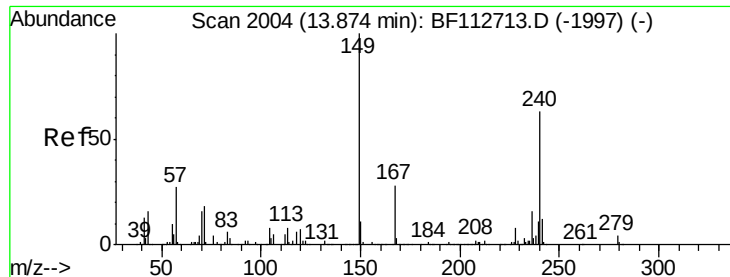
#75
Fluoranthene
Concen: 7.886 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Tgt Ion:202 Resp: 174926
Ion Ratio Lower Upper
202 100
101 10.7 0.0 33.8
203 16.9 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: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

Instrument :

BNA_F

ClientSampleId :

Z-3-14-A

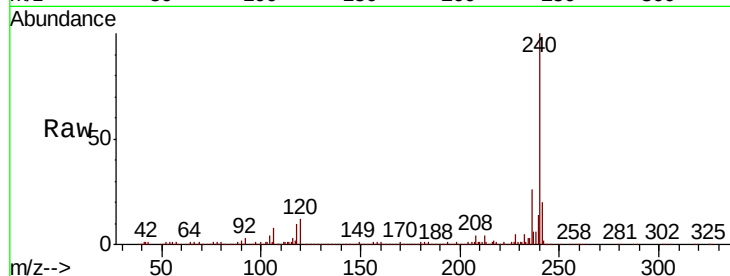
Tgt Ion:240 Resp: 445215

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

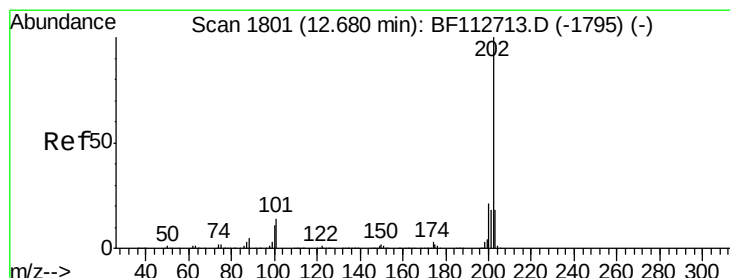
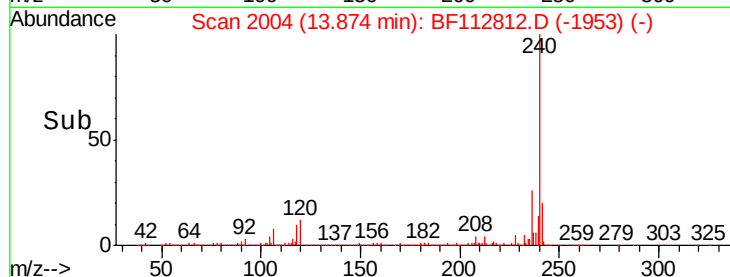
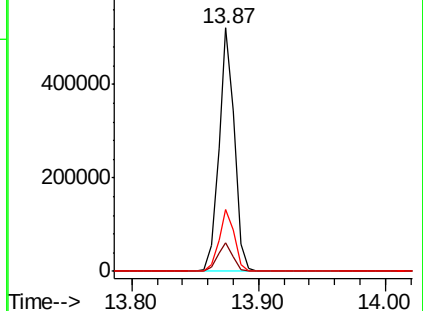
236 25.7 20.7 31.1



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

Pyrene

Concen: 4.352 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

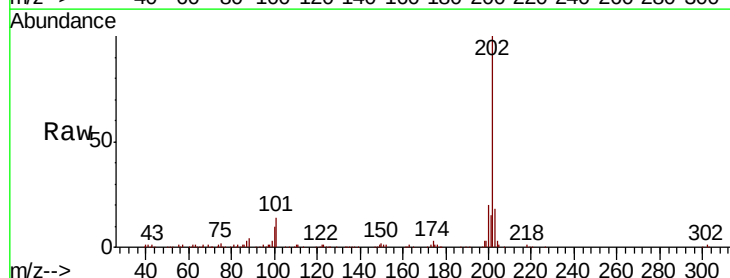
Tgt Ion:202 Resp: 163324

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

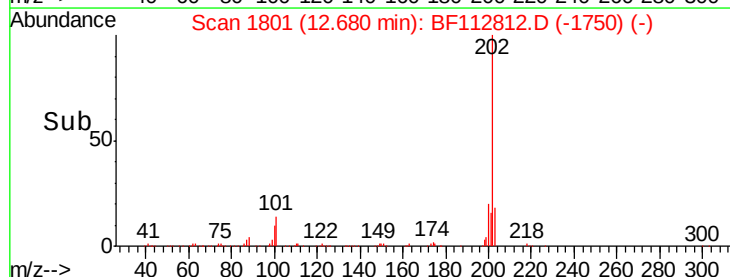
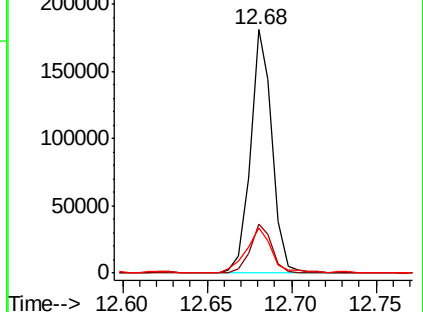
203 18.4 14.4 21.6

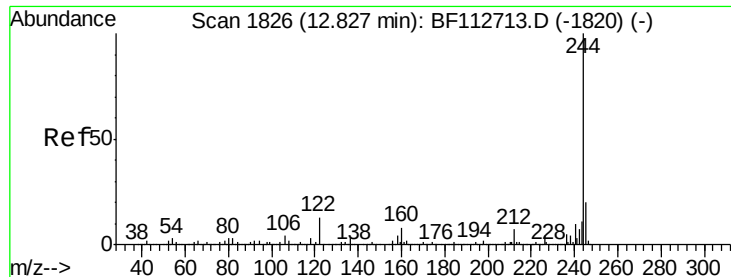


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

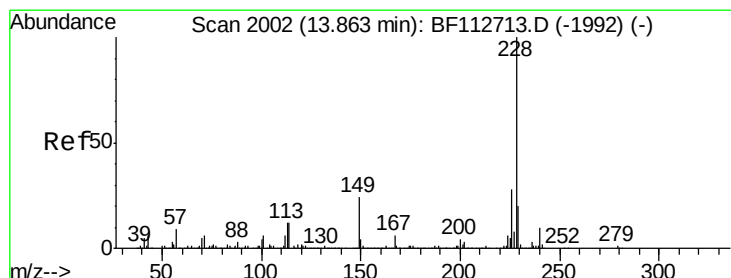
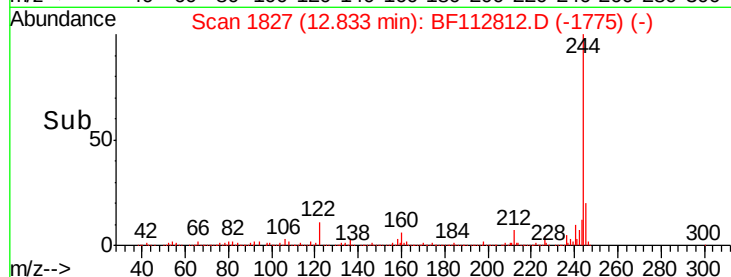
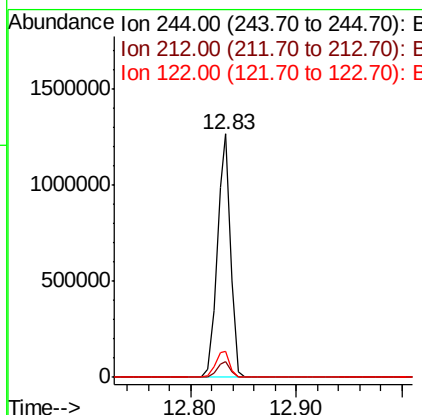
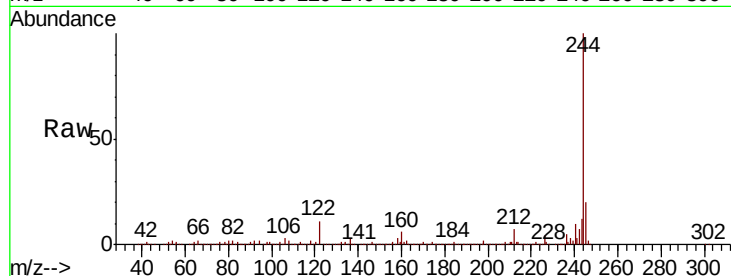




#79
 Terphenyl-d14
 Concen: 49.145 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112812.D
 Acq: 1 Mar 2019 20:53

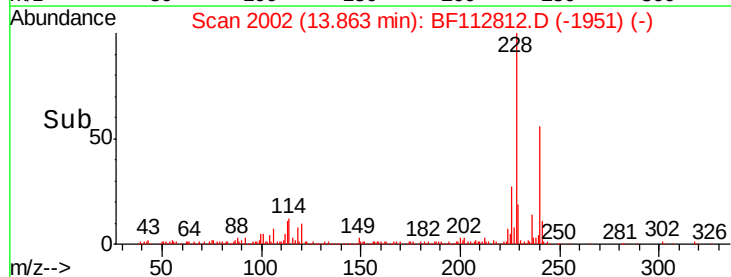
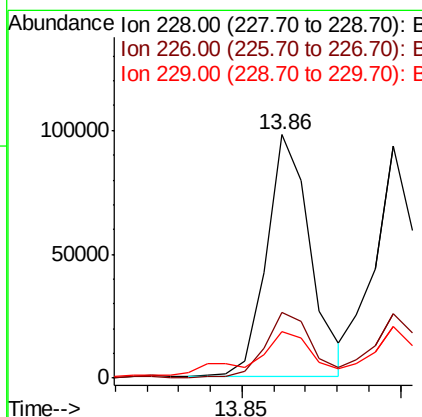
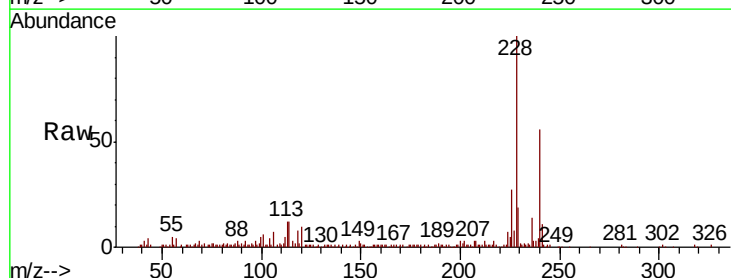
Instrument :
 BNA_F
 ClientSampleId :
 Z-3-14-A

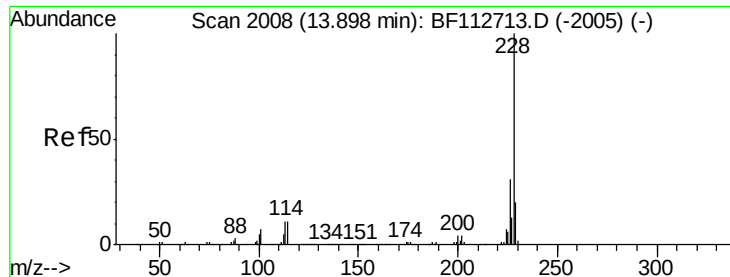
Tgt Ion:244 Resp: 1128717
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.8 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 3.062 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: BF112812.D
 Acq: 1 Mar 2019 20:53

Tgt Ion:228 Resp: 94468
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.2 33.4
 229 19.4 16.0 24.0

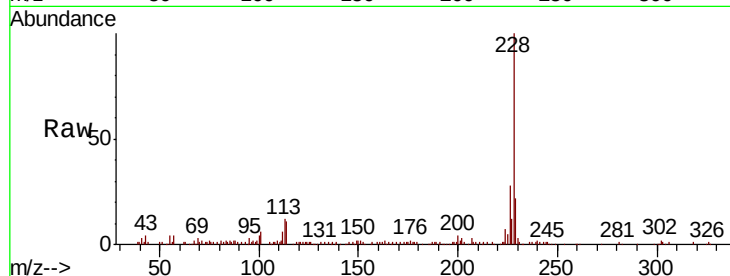




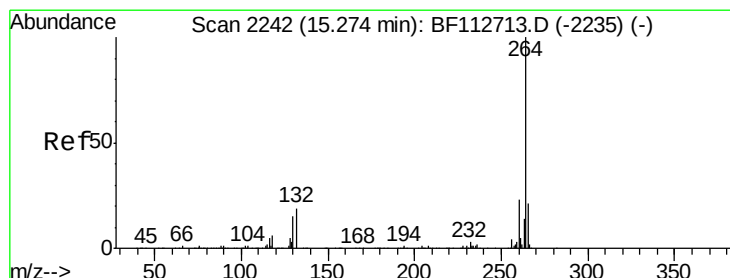
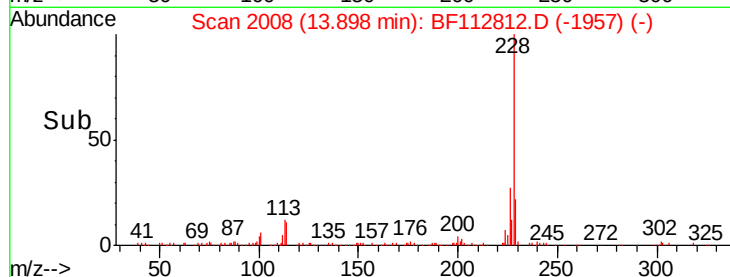
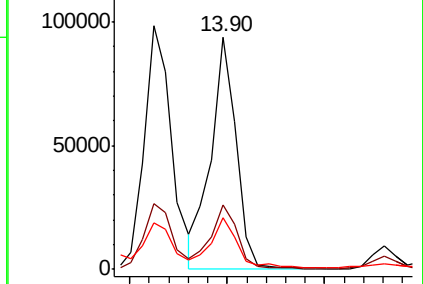
#83
Chrysene
Concen: 2.787 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Instrument :
BNA_F
ClientSampleId :
Z-3-14-A

Tgt Ion:228 Resp: 84230
Ion Ratio Lower Upper
228 100
226 27.7 24.9 37.3
229 22.2 16.3 24.5

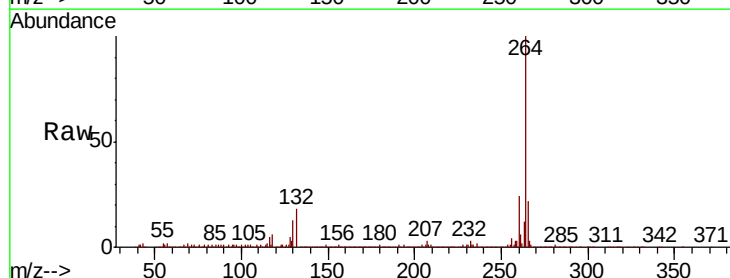


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

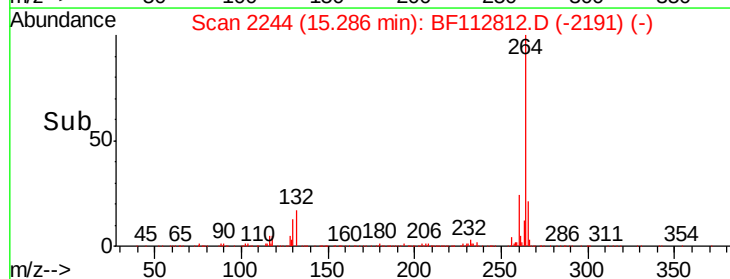
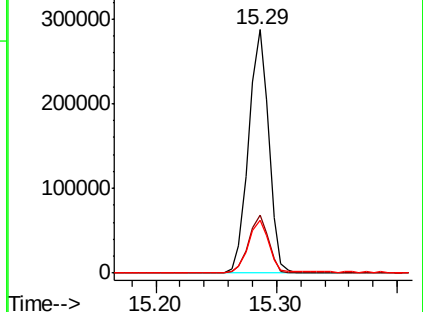


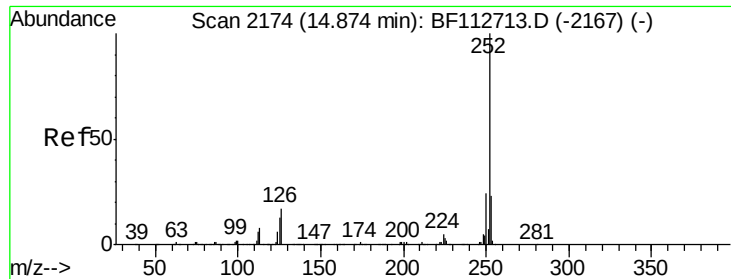
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Tgt Ion:264 Resp: 337631
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 21.7 17.2 25.8



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

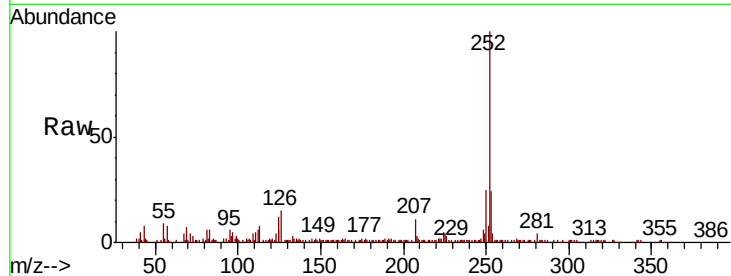




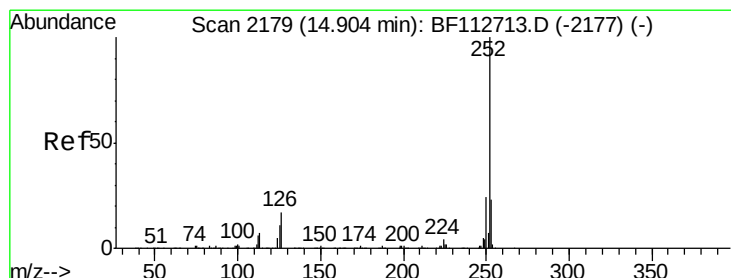
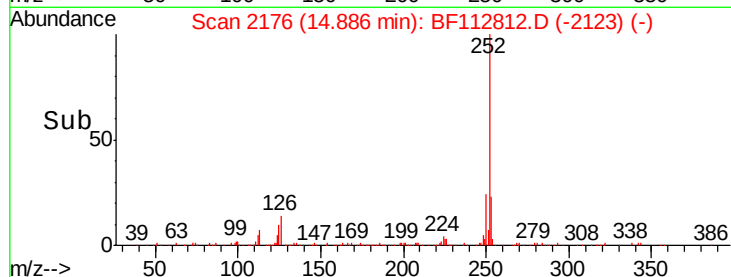
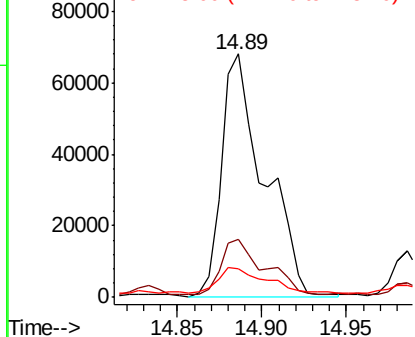
#88
Benzo(b)fluoranthene
Concen: 5.489 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Instrument :
BNA_F
ClientSampleId :
Z-3-14-A

Tgt Ion:252 Resp: 119864
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 11.8 10.2 15.2

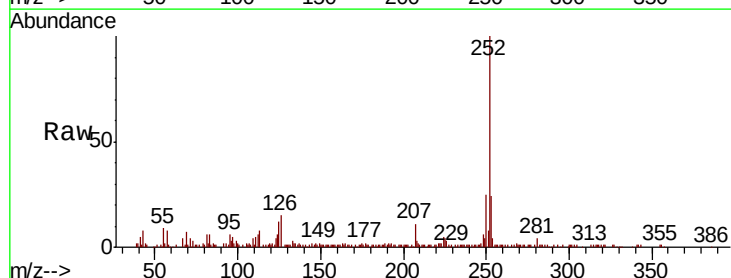


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

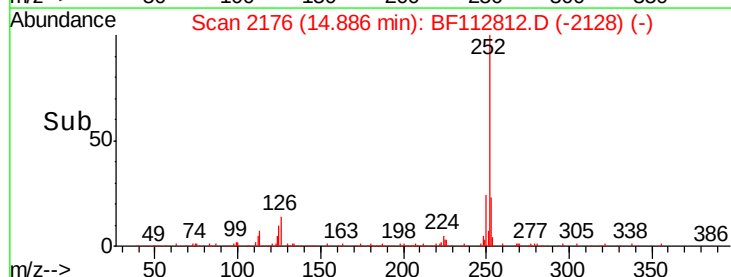
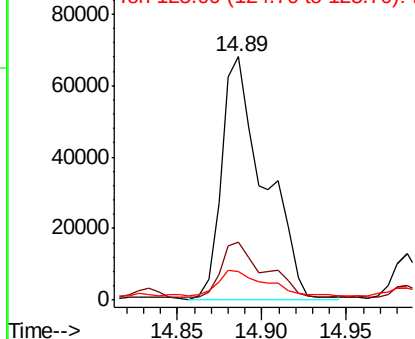


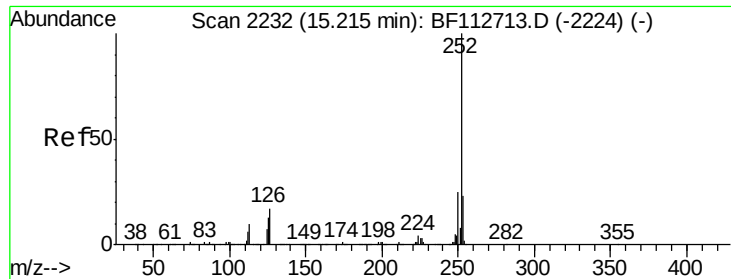
#89
Benzo(k)fluoranthene
Concen: 6.059 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112812.D
Acq: 1 Mar 2019 20:53

Tgt Ion:252 Resp: 119864
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 11.8 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: 2.877 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF112812.D

Acq: 1 Mar 2019 20:53

Instrument :

BNA_F

ClientSampleId :

Z-3-14-A

Tgt Ion:252 Resp: 55576

Ion Ratio Lower Upper

252 100

253 26.0 18.0 27.0

125 15.2 10.7 16.1

