

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112795.D
 Acq On : 1 Mar 2019 13:10
 Operator : JU/SJ
 Sample : K1650-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

Quant Time: Mar 01 21:56:23 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	168827	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	546044	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	221668	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	397902	20.00	ng	0.00
76) Chrysene-d12	13.87	240	426731	20.00	ng	0.00
87) Perylene-d12	15.29	264	495395	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	991994	91.40	ng	0.01
7) Phenol-d6	6.37	99	1214073	89.05	ng	0.00
23) Nitrobenzene-d5	7.30	82	739196	81.00	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	270319	114.87	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1091540	80.44	ng	0.00
79) Terphenyl-d14	12.83	244	1044838	47.46	ng	0.00

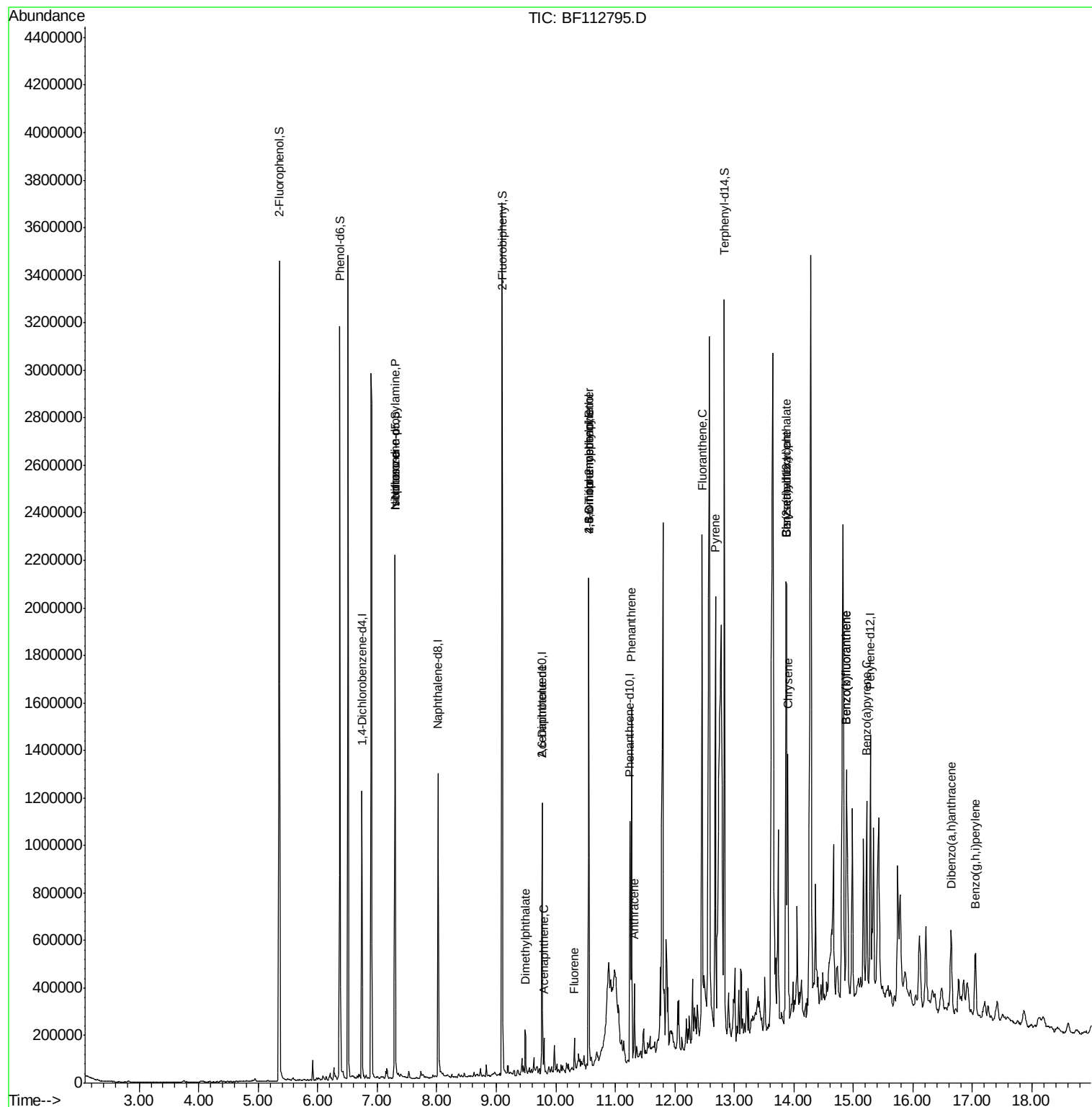
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	98562	11.415	ng	# 79
25) Isophorone	7.30	82	734974	37.386	ng	# 66
50) Dimethylphthalate	9.49	163	71276	4.361	ng	100
51) 2,6-Dinitrotoluene	9.77	165	30466	8.951	ng	# 19
52) Acenaphthene	9.80	154	28102	2.005	ng	93
58) Fluorene	10.32	166	33804	2.338	ng	98
65) 4,6-Dinitro-2-methylphenol	10.56	198	511	4.895	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	15626	3.728	ng	# 1
71) Phenanthrene	11.27	178	548550	27.708	ng	98
72) Anthracene	11.32	178	112326	5.420	ng	98
75) Fluoranthene	12.46	202	792330	37.356	ng	97
78) Pyrene	12.69	202	822751	22.870	ng	98
81) Benzo(a)anthracene	13.86	228	448846	15.176	ng	98
83) Chrysene	13.90	228	437701	15.109	ng	96
84) Bis(2-ethylhexyl)phthalate	13.87	149	56379	3.027	ng	97
88) Benzo(b)fluoranthene	14.89	252	699639	21.834	ng	98
89) Benzo(k)fluoranthene	14.89	252	699639	24.105	ng	99
90) Benzo(a)pyrene	15.23	252	406985	14.359	ng	98
91) Dibenzo(a,h)anthracene	16.65	278	64792	2.679	ng	94
92) Benzo(g,h,i)perylene	17.05	276	213768	8.802	ng	98

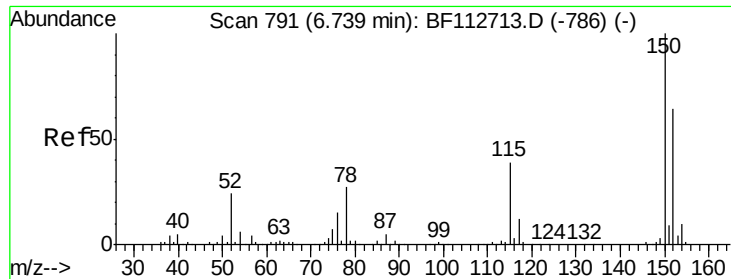
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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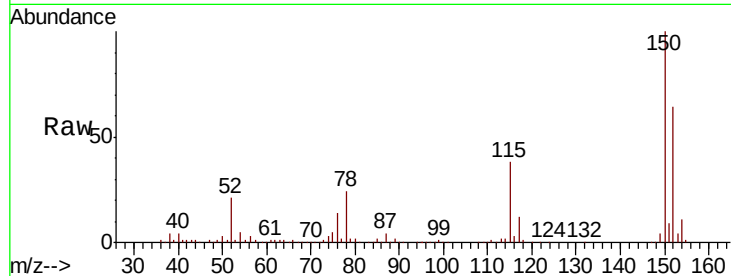


#1

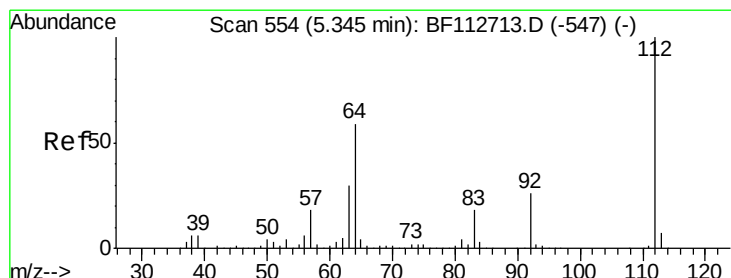
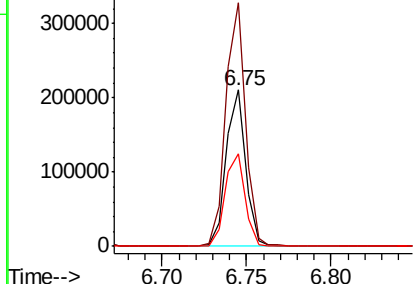
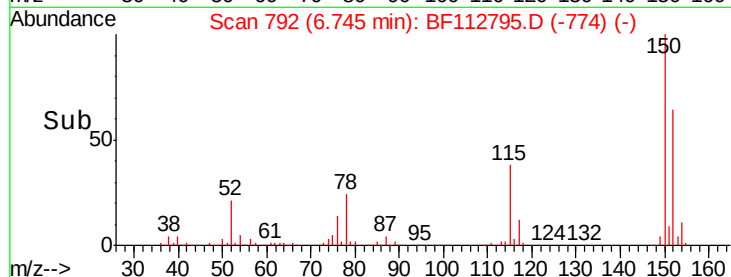
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tgt Ion:152 Resp: 168827
Ion Ratio Lower Upper
152 100
150 155.7 124.2 186.2
115 59.0 48.2 72.4



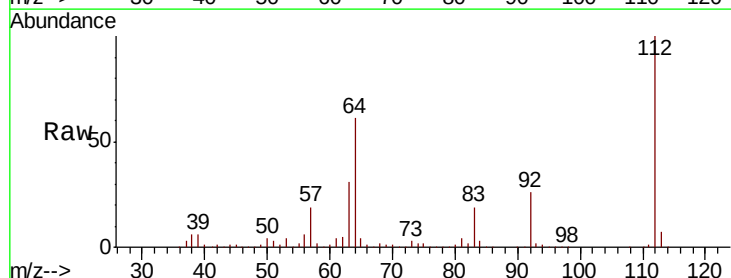
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



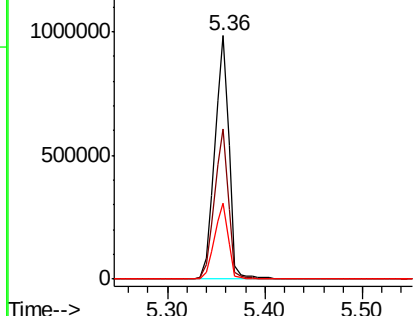
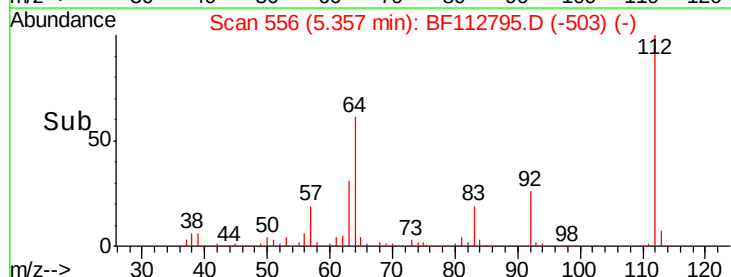
#5

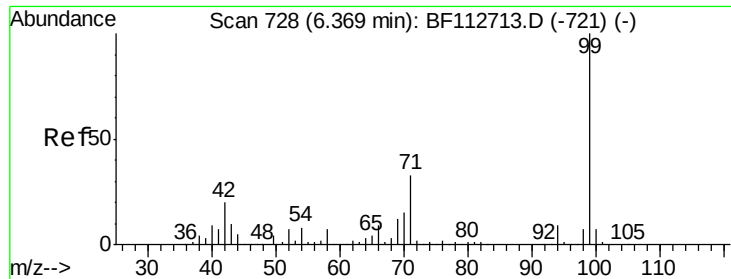
2-Fluorophenol
Concen: 91.401 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion:112 Resp: 991994
Ion Ratio Lower Upper
112 100
64 61.4 47.6 71.4
63 31.0 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: 89.051 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

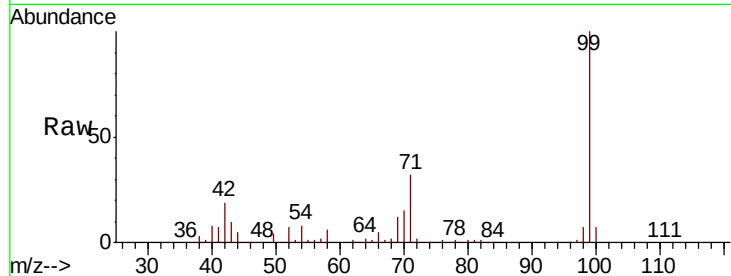
Tgt Ion: 99 Resp: 1214073

Ion Ratio Lower Upper

99 100

42 19.3 16.3 24.5

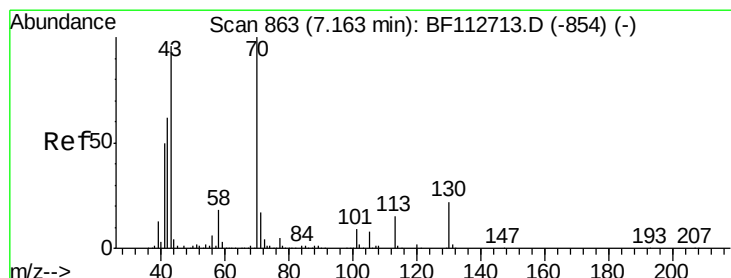
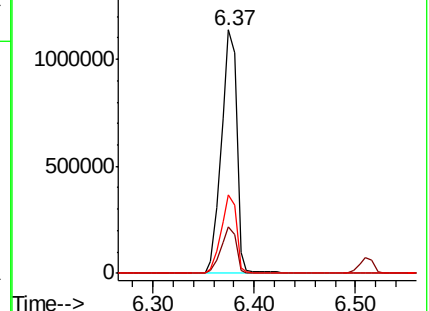
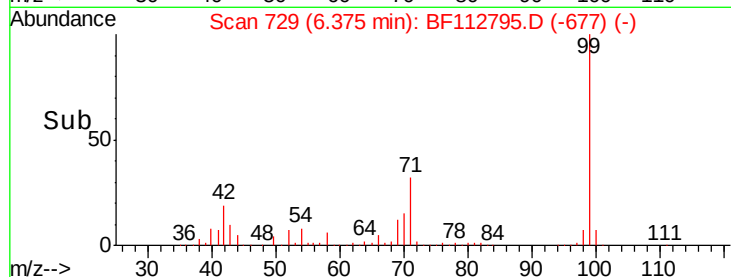
71 32.4 26.2 39.4



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: 11.415 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Tgt Ion: 70 Resp: 98562

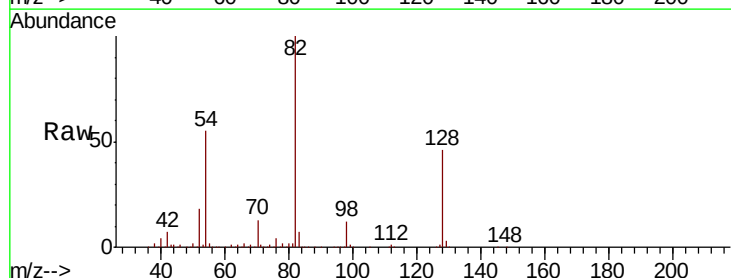
Ion Ratio Lower Upper

70 100

42 51.9 49.9 74.9

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

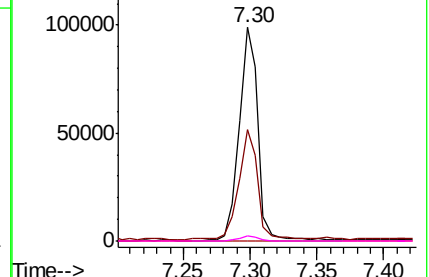
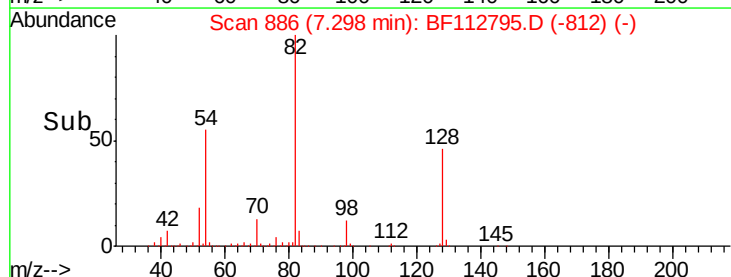


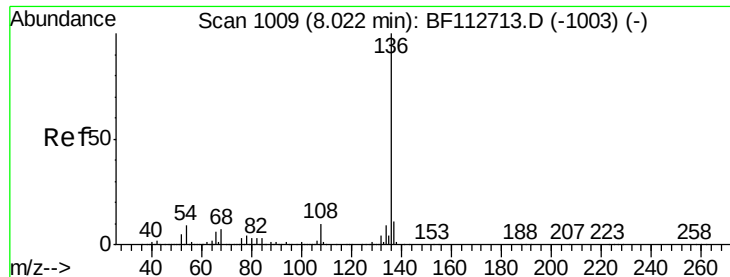
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

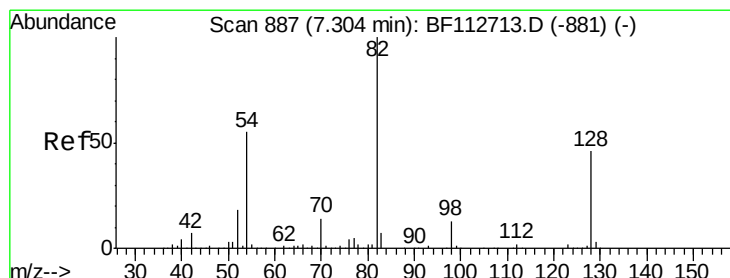
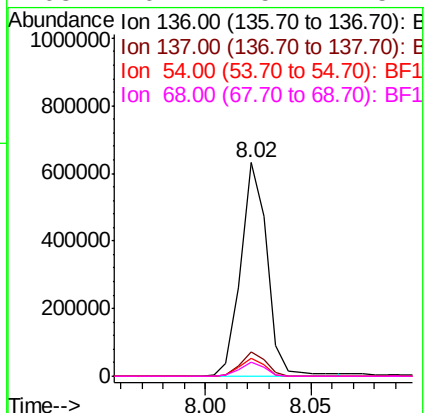
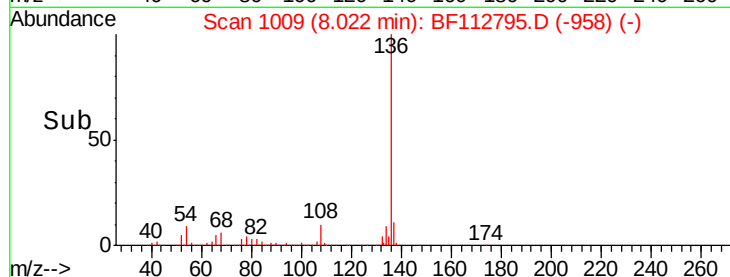
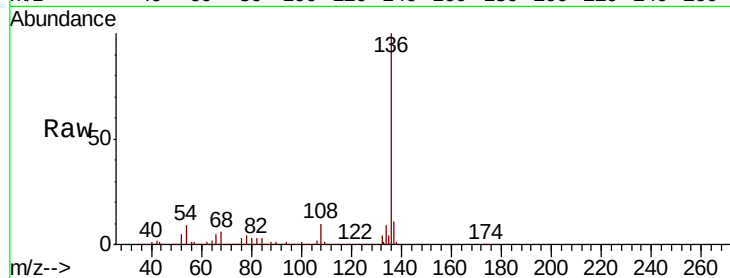




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

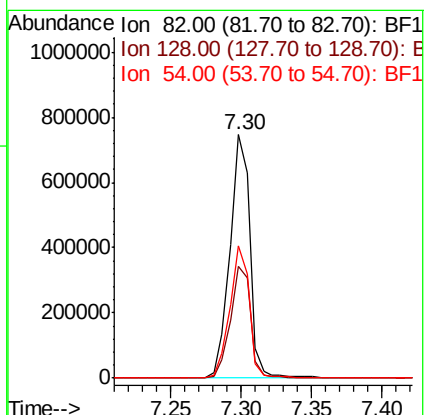
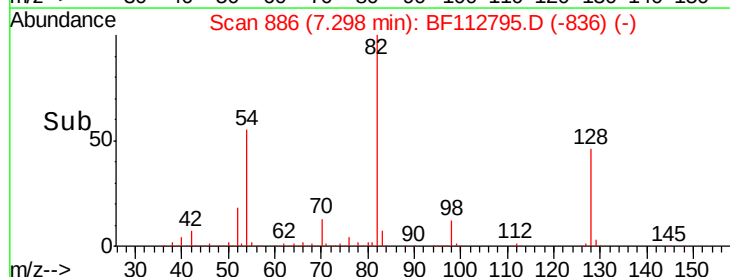
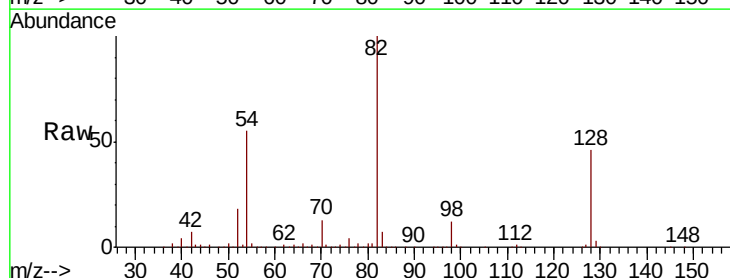
Instrument :
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ClientSampleId :
B-3(2.5-3.5)

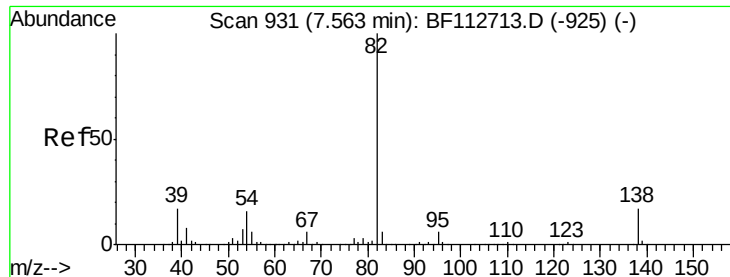
Tgt Ion:	136	Resp:	546044
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.6	7.3	10.9
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 81.004 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion:	82	Resp:	739196
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.3	54.5
54	54.6	43.7	65.5

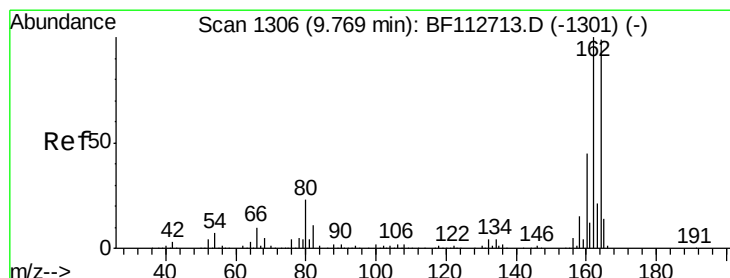
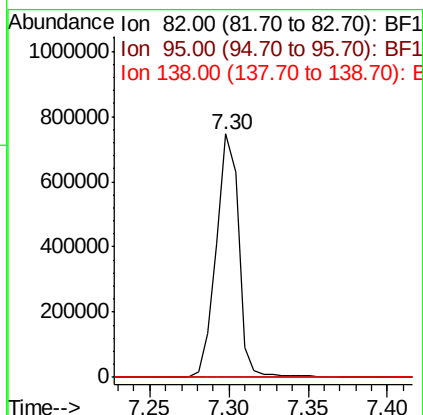
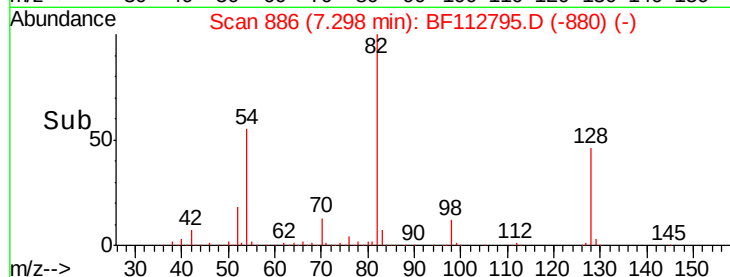
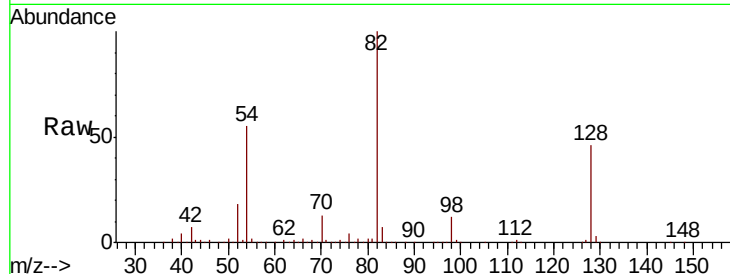




#25
Isophorone
Concen: 37.386 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

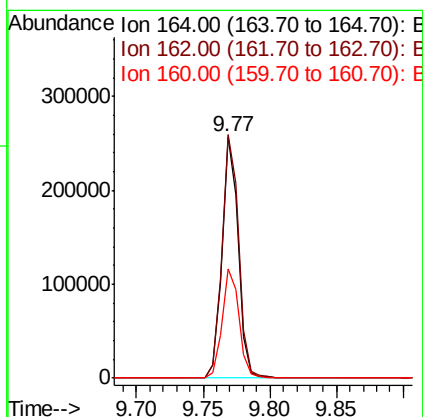
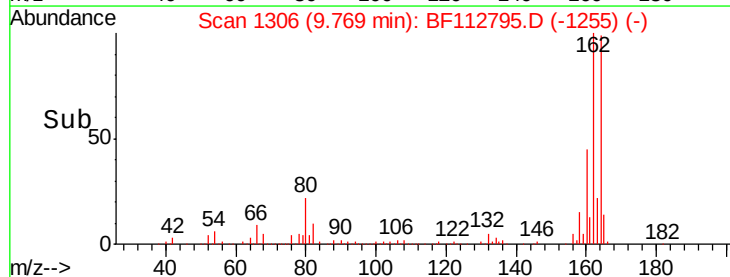
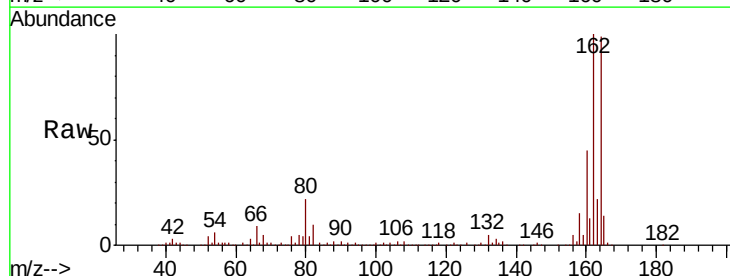
Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

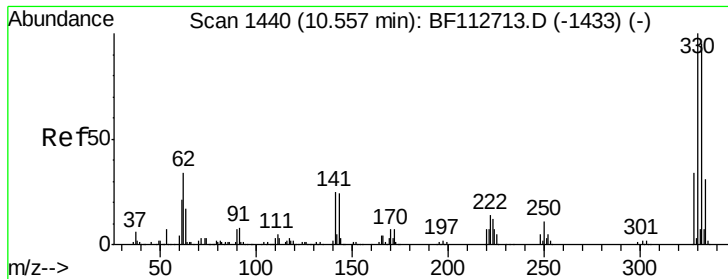
Tgt Ion: 82 Resp: 734974
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion: 164 Resp: 221668
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 45.2 36.0 54.0

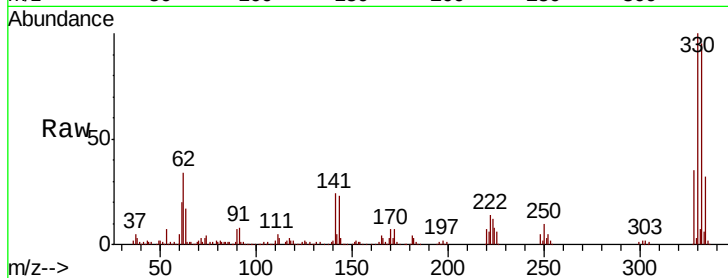




#42
 2,4,6-Tribromophenol
 Concen: 114.869 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112795.D
 Acq: 1 Mar 2019 13:10

Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.2	114.4
141	29.8	27.0	40.6

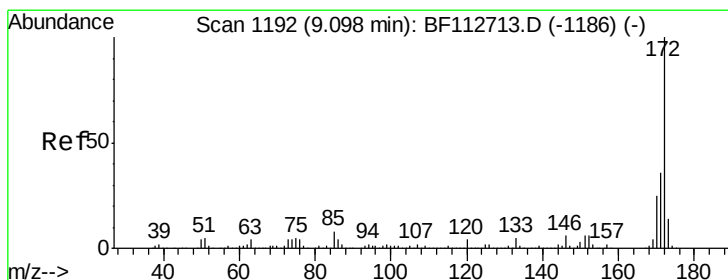
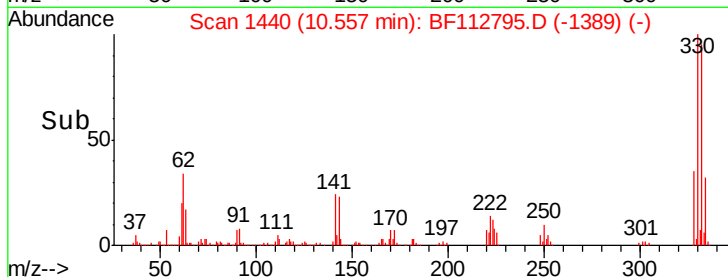
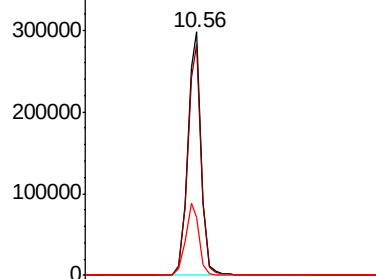


Abundance

Ion 329.80 (329.50 to 330.50): E

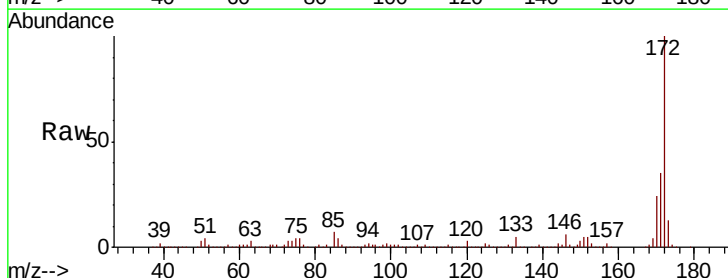
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 80.435 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112795.D
 Acq: 1 Mar 2019 13:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.4
170	24.0	20.0	30.0

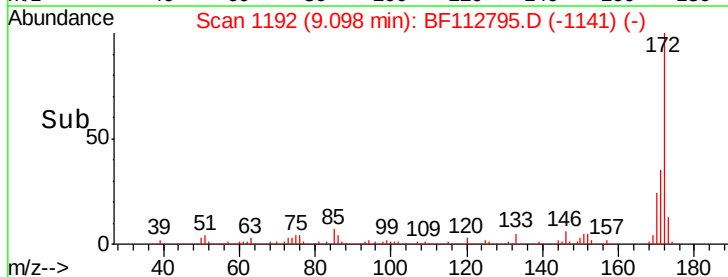
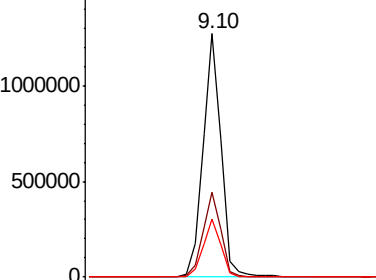


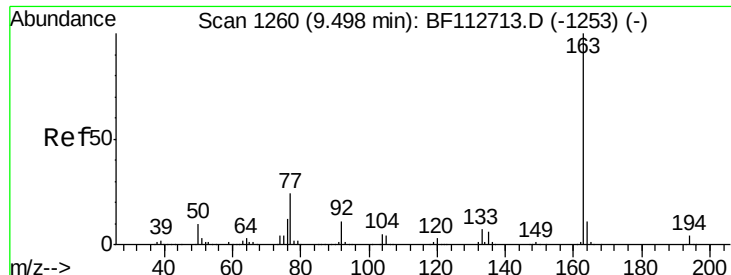
Abundance

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

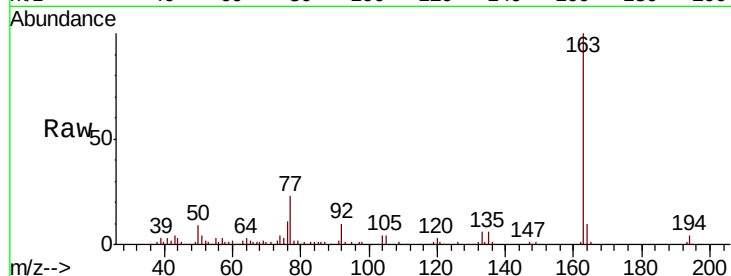




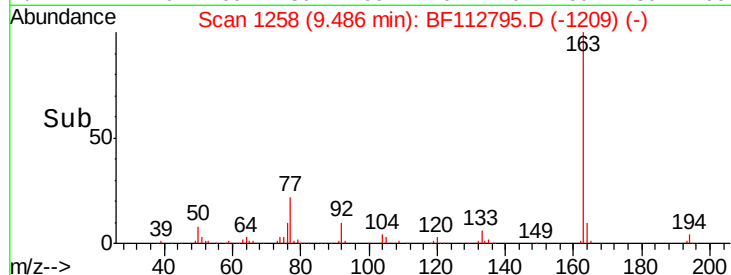
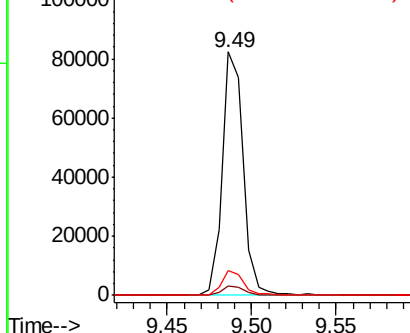
#50
Dimethylphthalate
Concen: 4.361 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Instrument :
BNA_F
ClientSampled :
B-3(2.5-3.5)

Tgt Ion:163 Resp: 71276
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 10.3 8.4 12.6

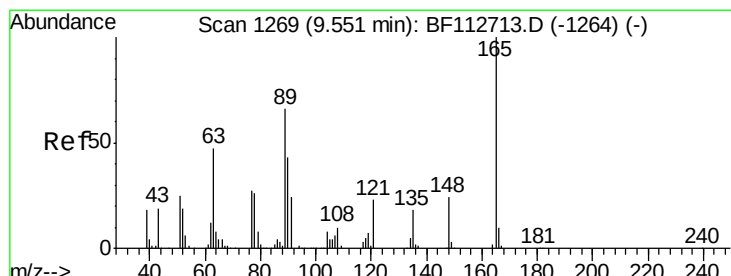


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

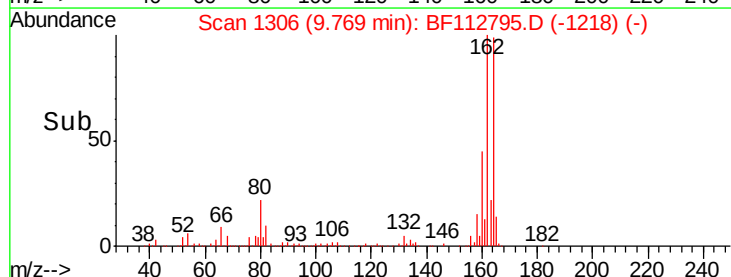
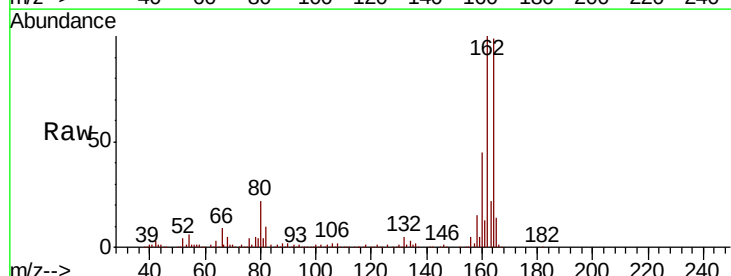
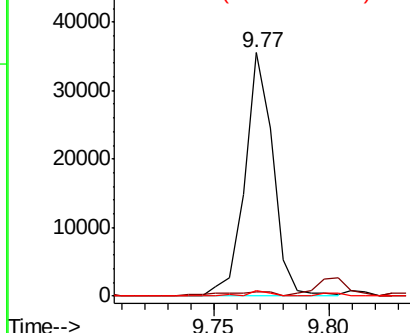


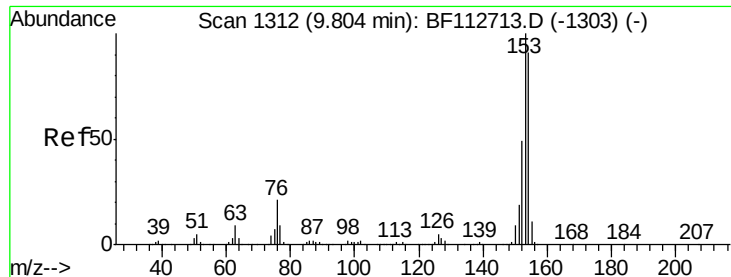
#51
2,6-Dinitrotoluene
Concen: 8.951 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion:165 Resp: 30466
Ion Ratio Lower Upper
165 100
63 1.7 54.1 81.1#
89 2.3 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





#52

Acenaphthene

Concen: 2.005 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

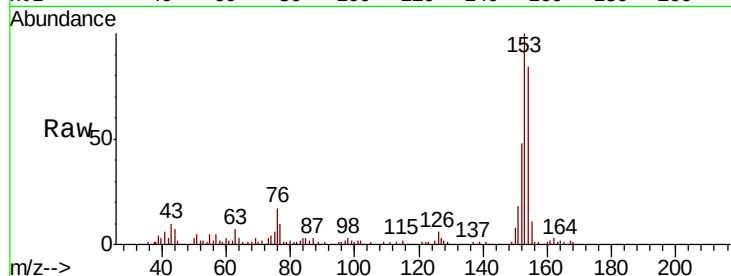
Tgt Ion:154 Resp: 28102

Ion Ratio Lower Upper

154 100

153 118.8 87.8 131.8

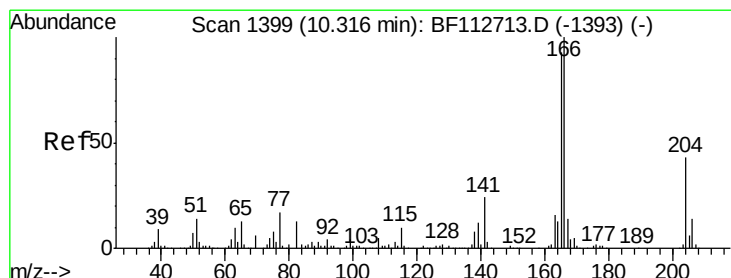
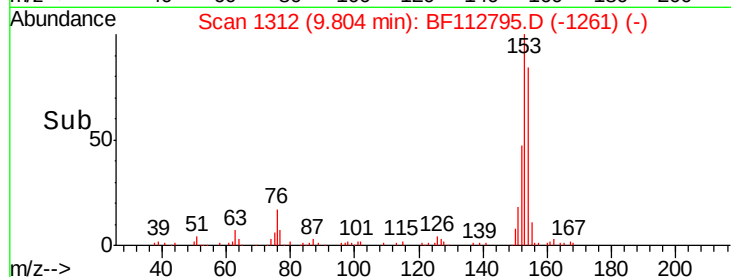
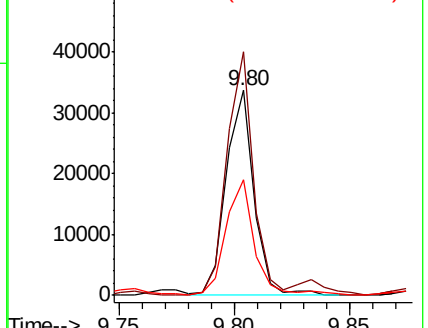
152 56.6 43.0 64.6



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



#58

Fluorene

Concen: 2.338 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

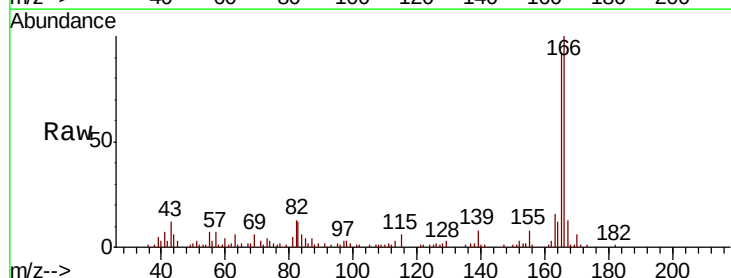
Tgt Ion:166 Resp: 33804

Ion Ratio Lower Upper

166 100

165 91.7 74.7 112.1

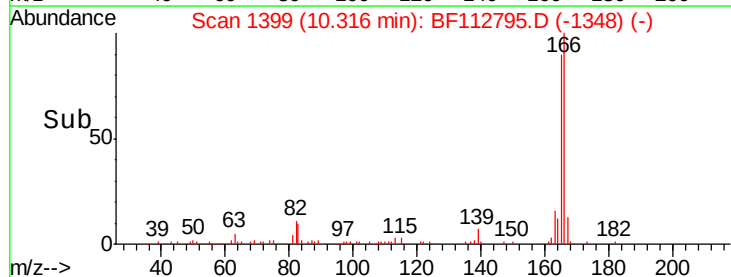
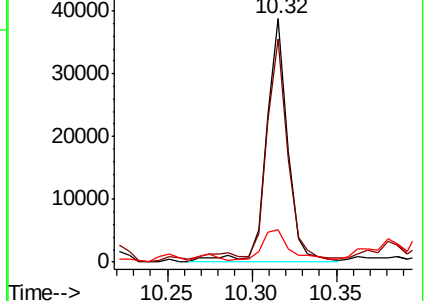
167 13.4 11.0 16.6

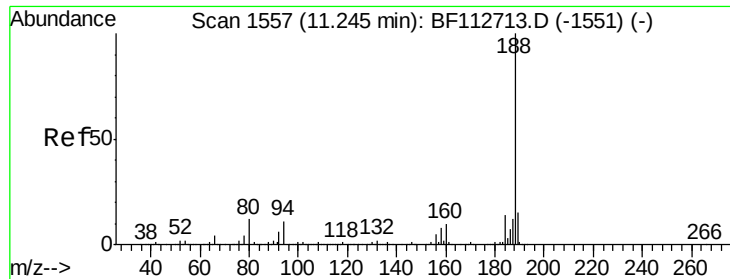


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

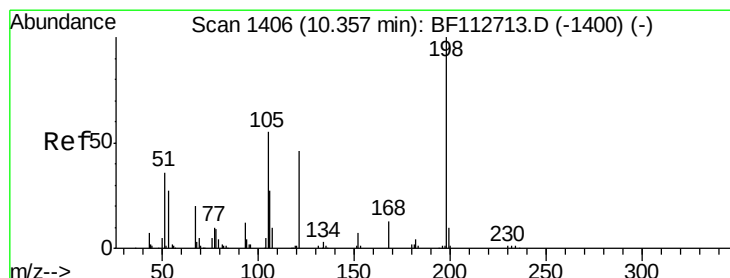
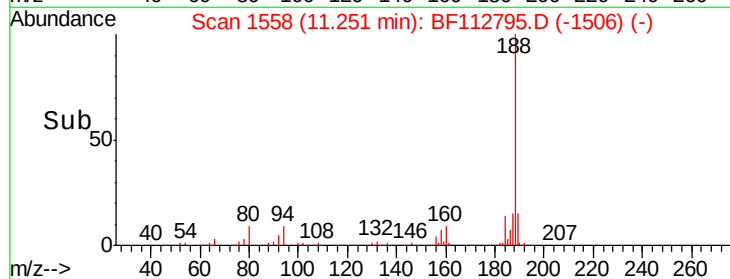
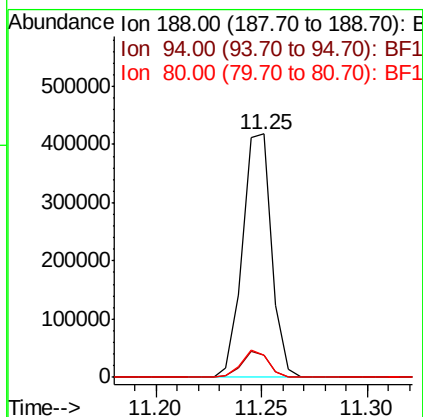
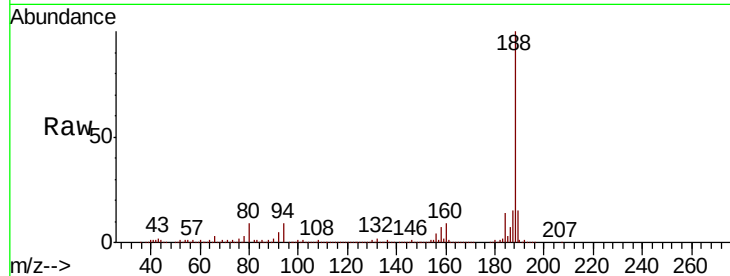




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

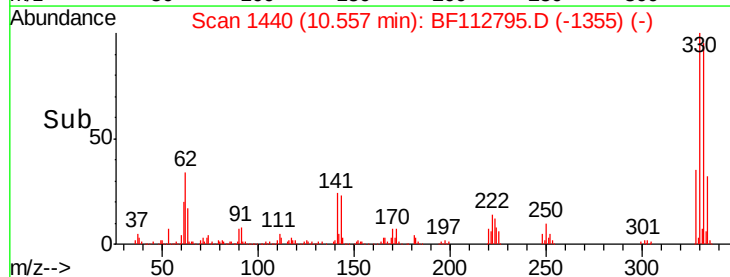
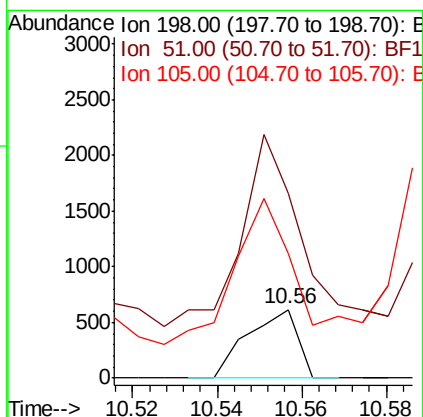
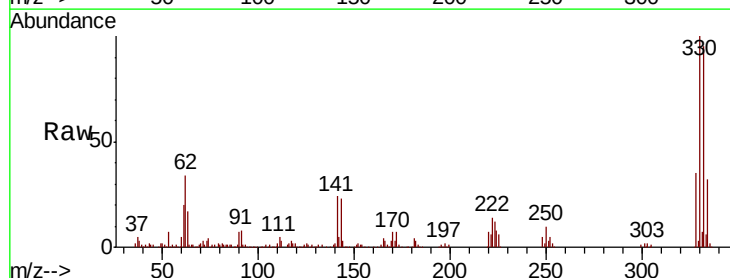
Instrument :
BNA_F
ClientSampled :
B-3(2.5-3.5)

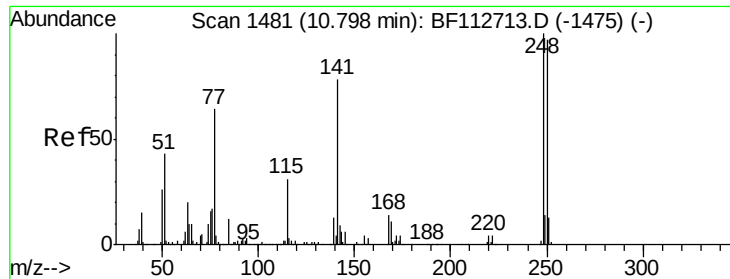
Tgt Ion:188 Resp: 397902
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.2 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.895 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.20 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion:198 Resp: 511
Ion Ratio Lower Upper
198 100
51 270.3 43.8 83.8#
105 182.9 36.5 76.5#

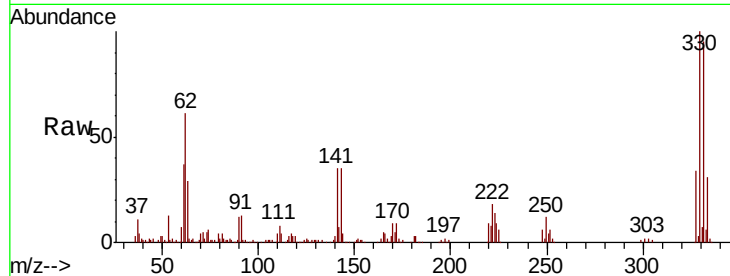




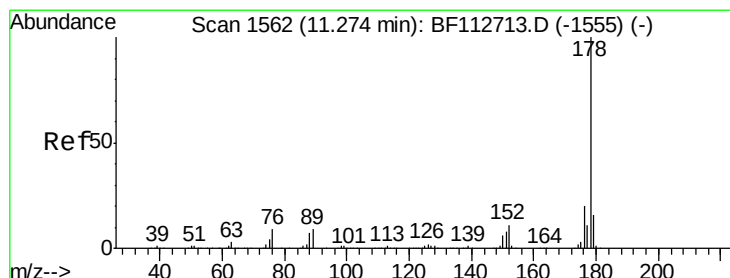
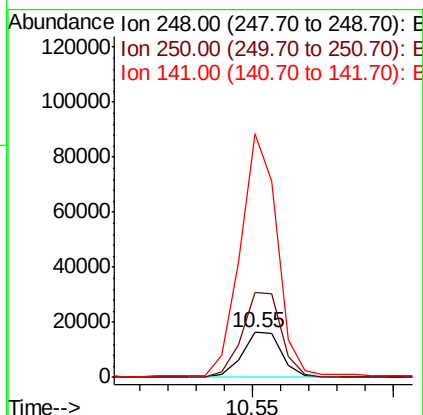
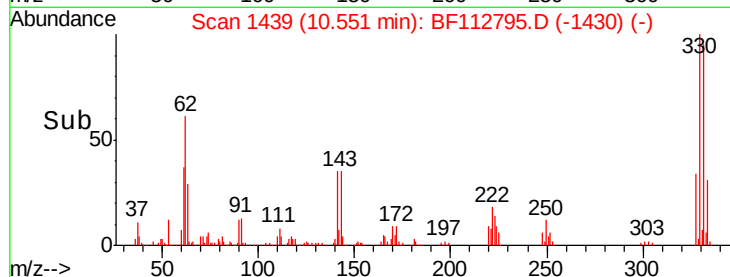
#67
 4-Bromophenyl-phenylether
 Concen: 3.728 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF112795.D
 Acq: 1 Mar 2019 13:10

Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

Tgt Ion:248 Resp: 15626
 Ion Ratio Lower Upper
 248 100
 250 188.7 77.5 116.3#
 141 541.9 62.4 93.6#

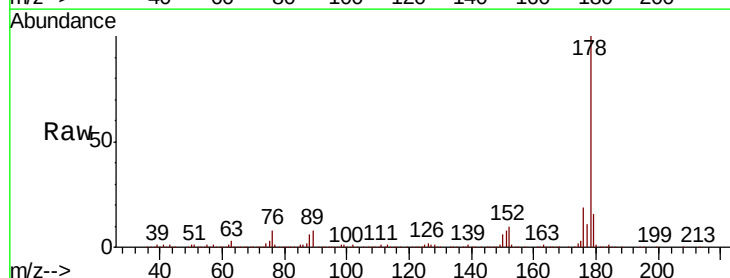


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

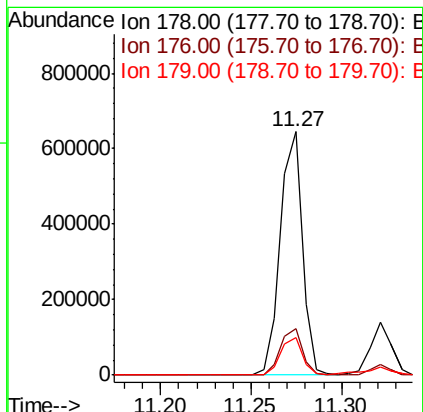
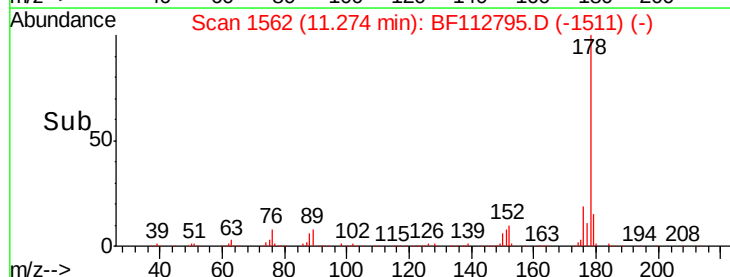


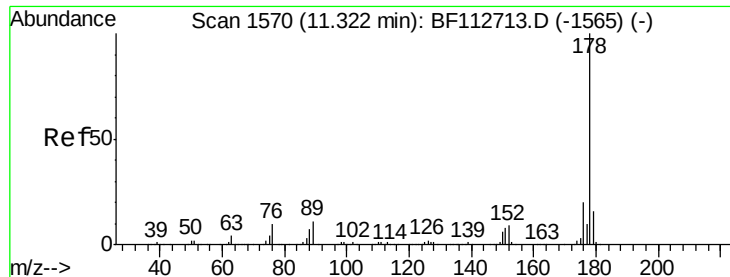
#71
 Phenanthrene
 Concen: 27.708 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF112795.D
 Acq: 1 Mar 2019 13:10

Tgt Ion:178 Resp: 548550
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.3 24.5
 179 15.5 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





#72

Anthracene

Concen: 5.420 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

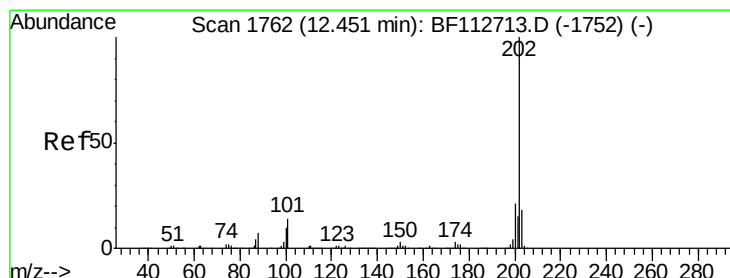
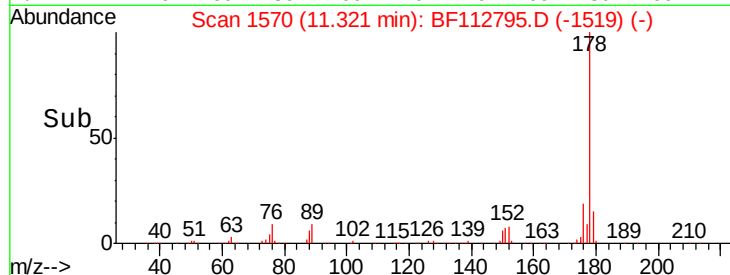
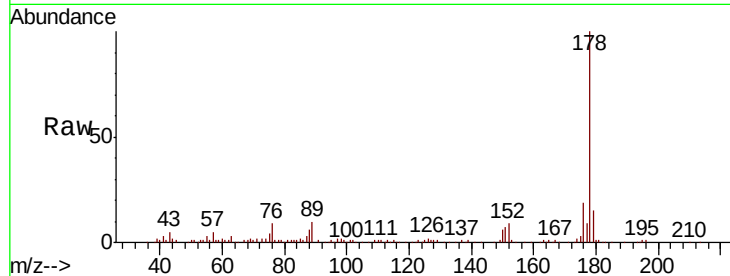
Tgt Ion:178 Resp: 112326

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

179 15.2 13.0 19.6



#75

Fluoranthene

Concen: 37.356 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

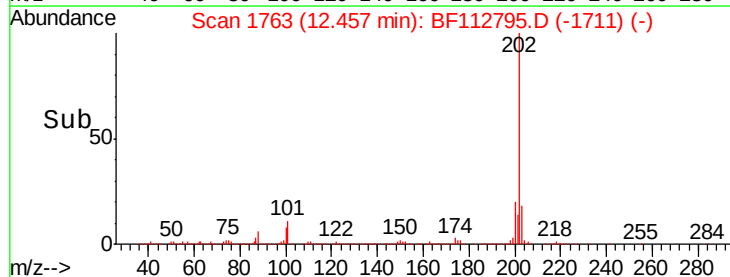
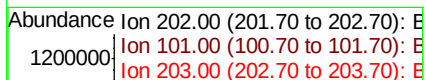
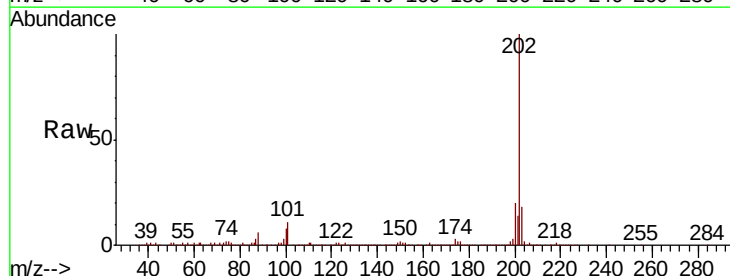
Tgt Ion:202 Resp: 792330

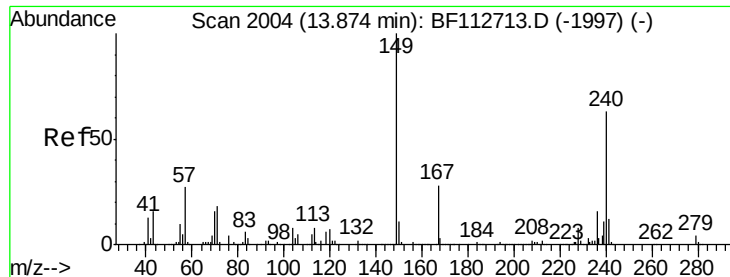
Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.8

203 17.7 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

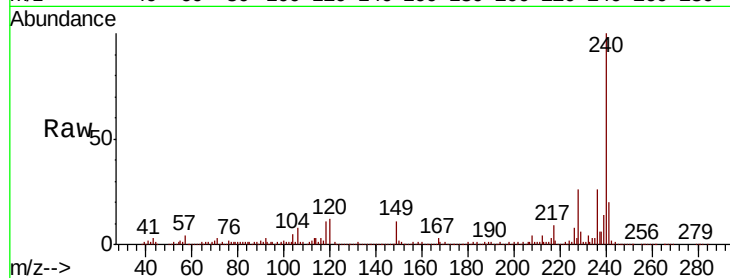
Tgt Ion:240 Resp: 426731

Ion Ratio Lower Upper

240 100

120 12.2 8.9 13.3

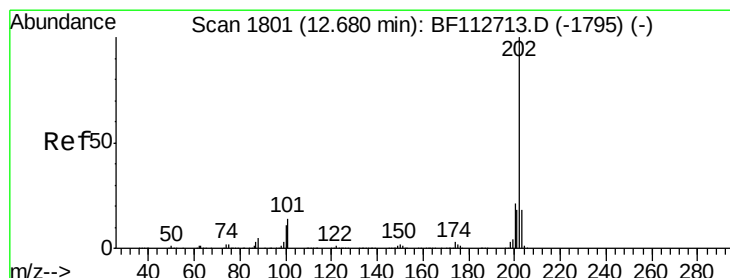
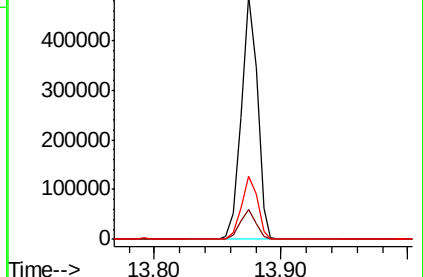
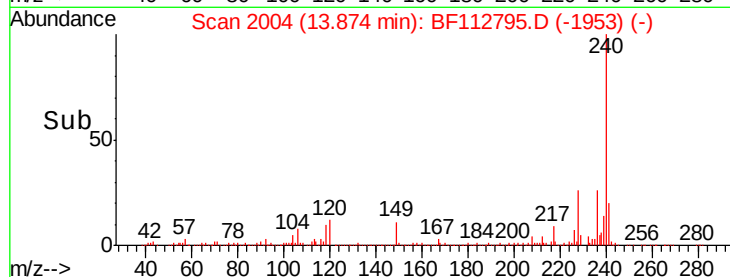
236 25.9 20.7 31.1



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: 22.870 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

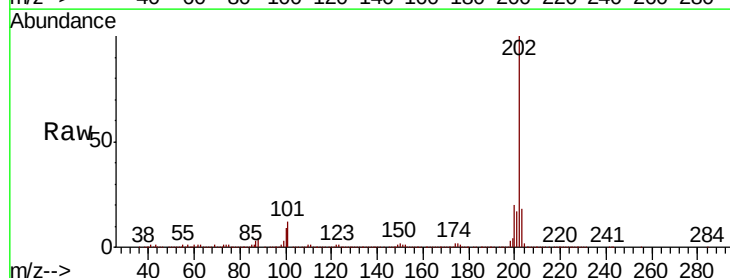
Tgt Ion:202 Resp: 822751

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

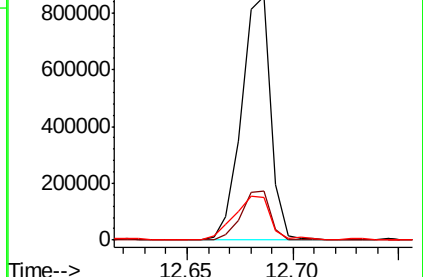
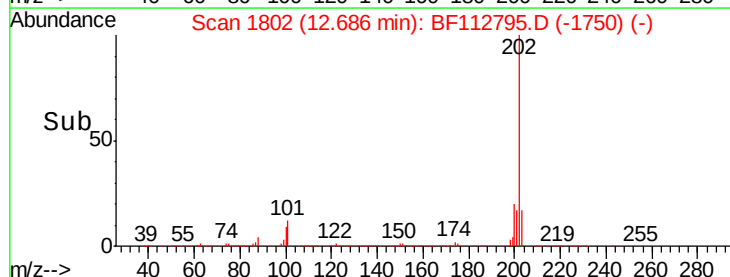
203 17.5 14.4 21.6

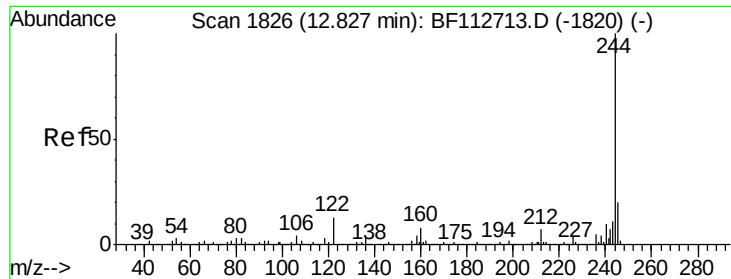


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

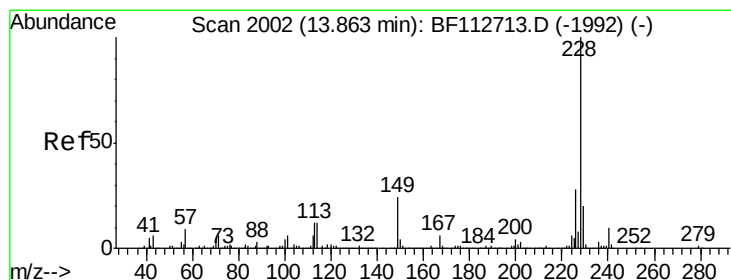
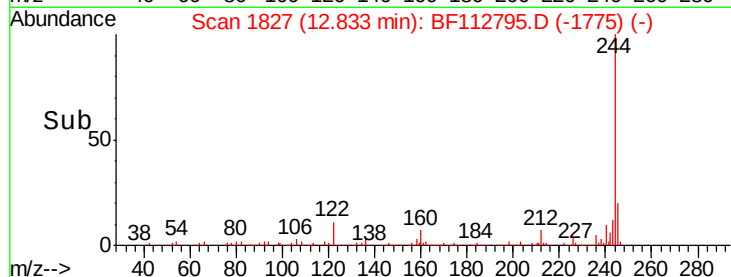
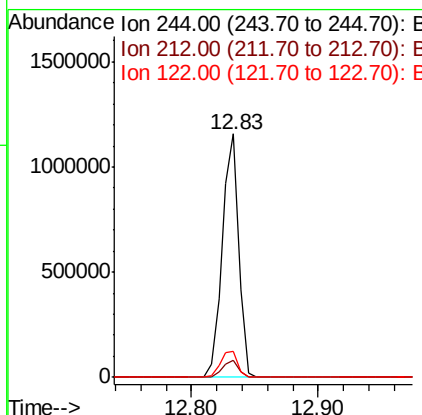
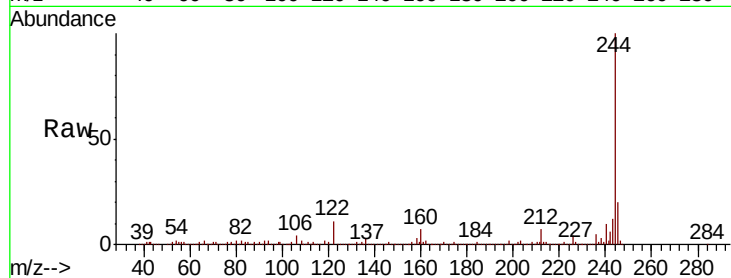




#79
 Terphenyl-d14
 Concen: 47.464 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112795.D
 Acq: 1 Mar 2019 13:10

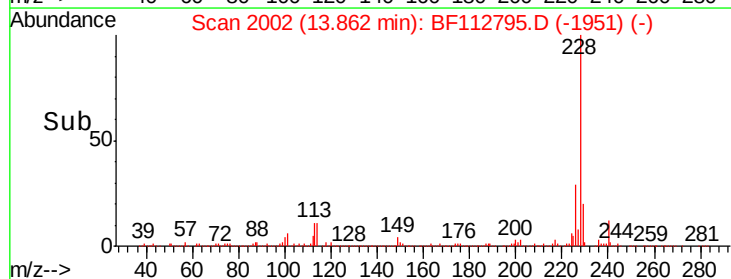
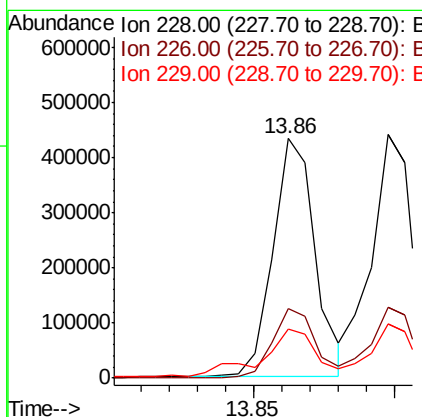
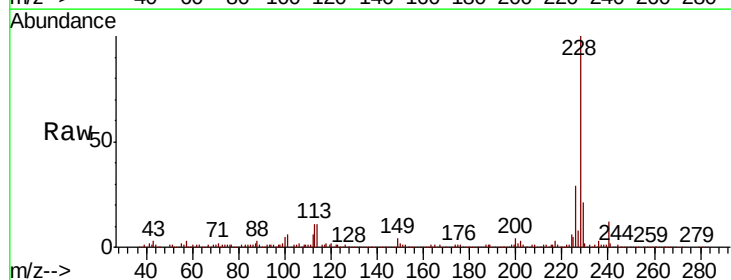
Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

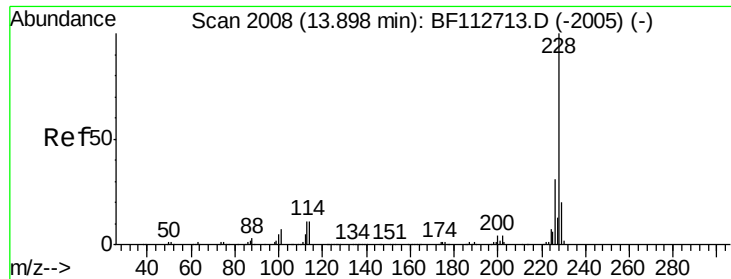
Tgt Ion:244 Resp: 1044838
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.6 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 15.176 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF112795.D
 Acq: 1 Mar 2019 13:10

Tgt Ion:228 Resp: 448846
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.2 33.4
 229 20.6 16.0 24.0





#83

Chrysene

Concen: 15.109 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

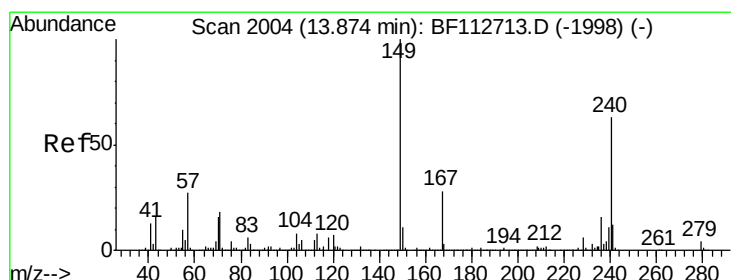
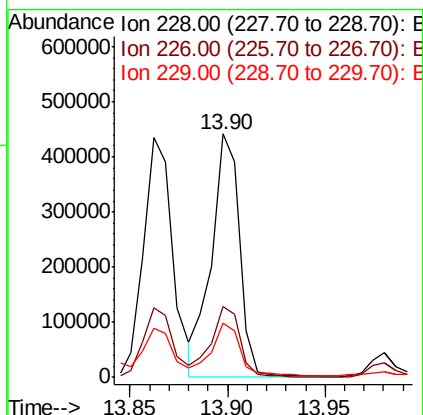
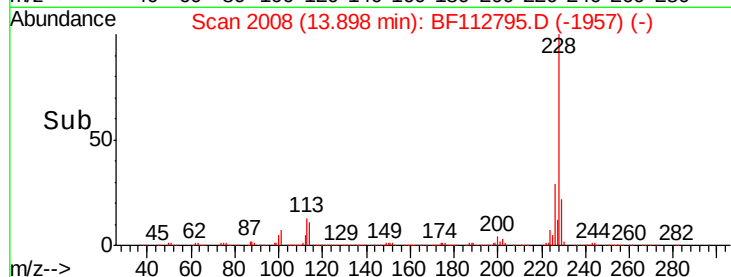
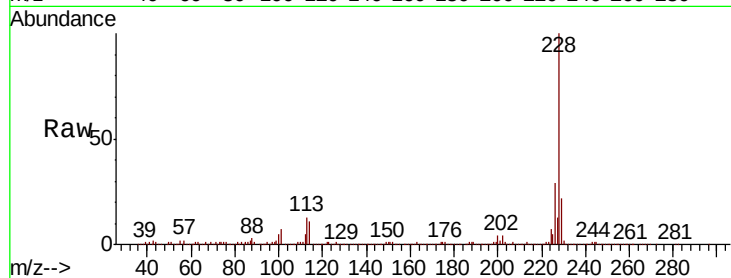
Tgt Ion:228 Resp: 437701

Ion Ratio Lower Upper

228 100

226 29.1 24.9 37.3

229 22.2 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.027 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

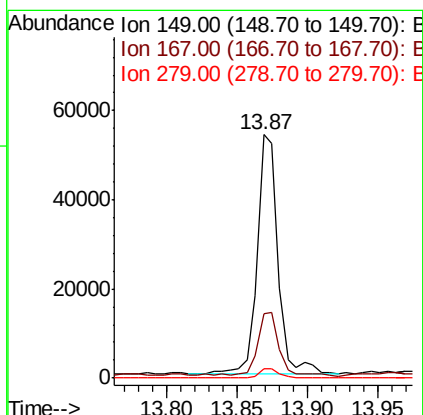
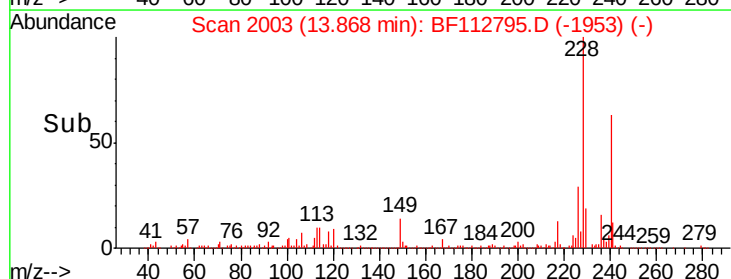
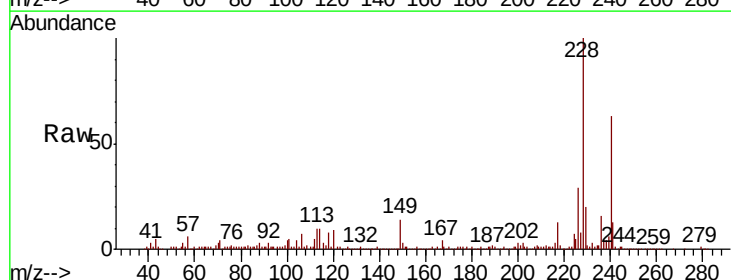
Tgt Ion:149 Resp: 56379

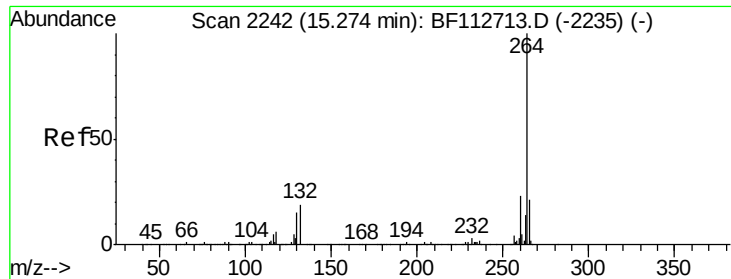
Ion Ratio Lower Upper

149 100

167 26.3 22.4 33.6

279 3.6 3.3 4.9

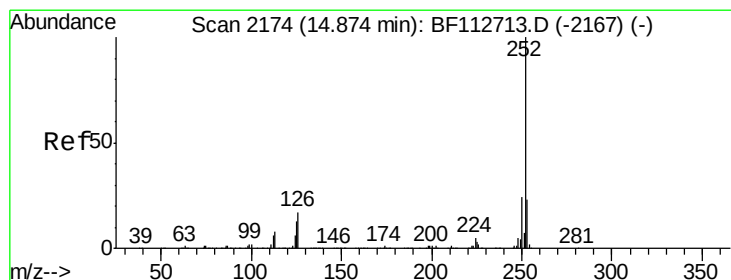
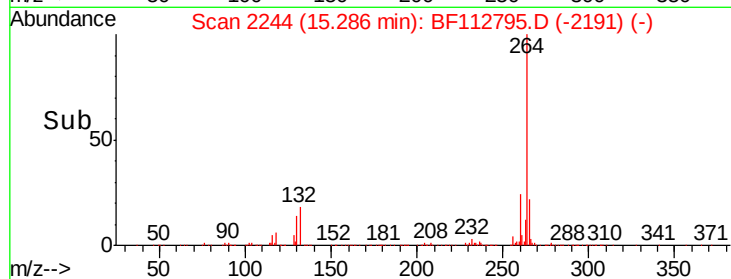
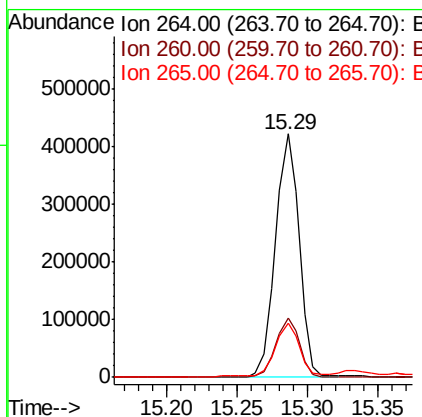
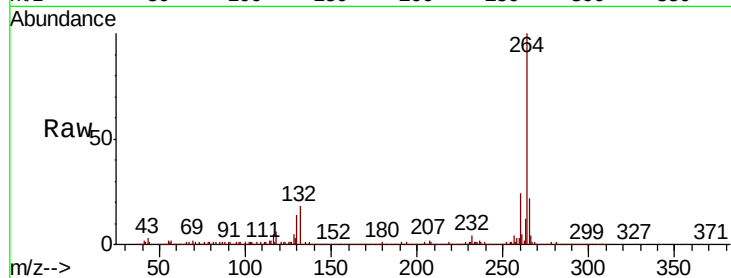




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

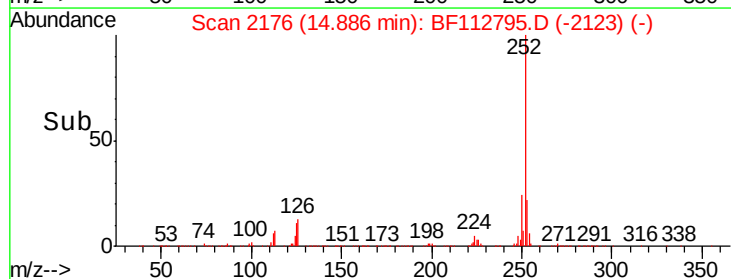
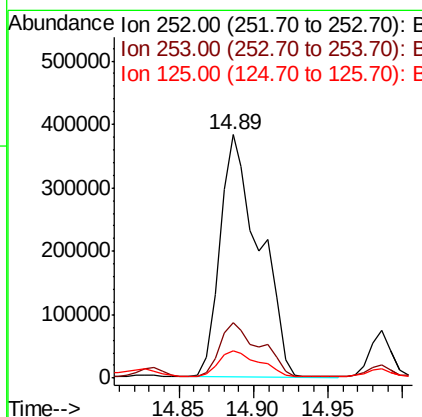
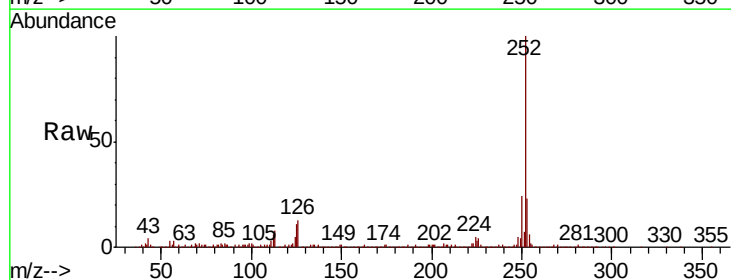
Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

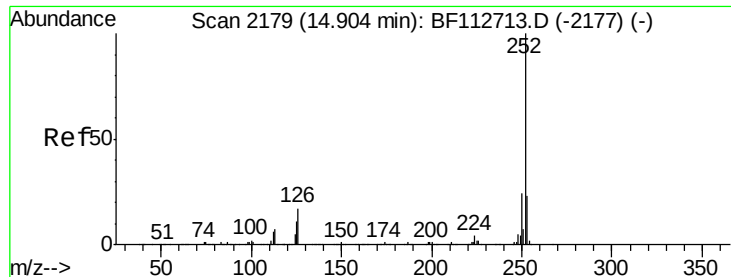
Tgt Ion:264 Resp: 495395
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 22.3 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 21.834 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion:252 Resp: 699639
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.5 10.2 15.2

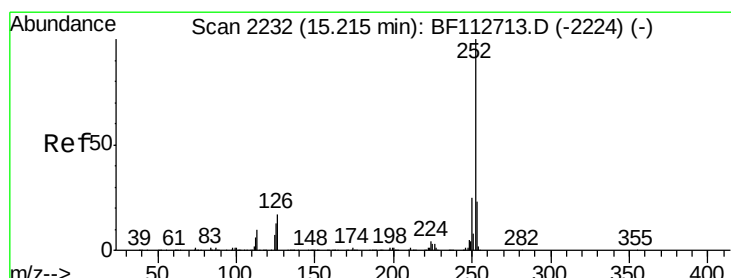
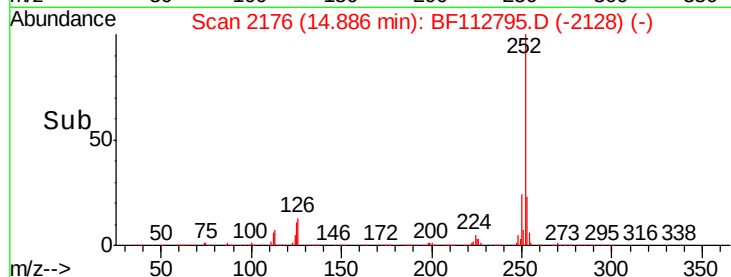
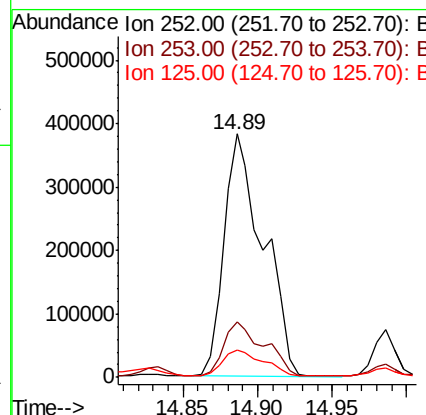
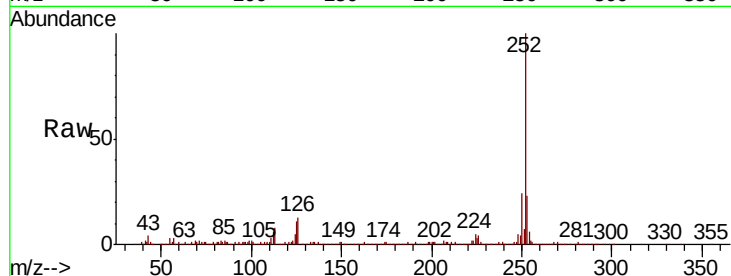




#89
Benzo(k)fluoranthene
Concen: 24.105 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

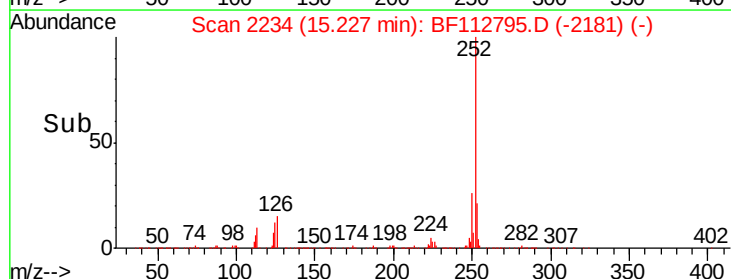
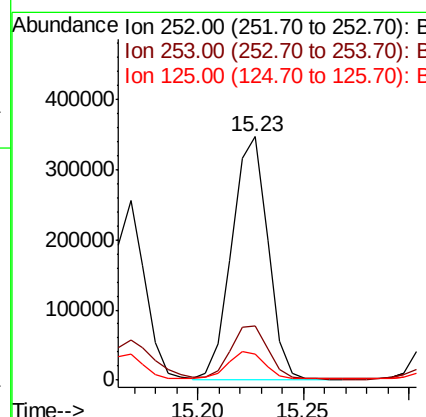
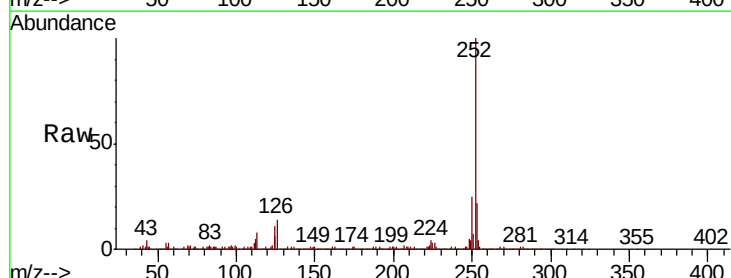
Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

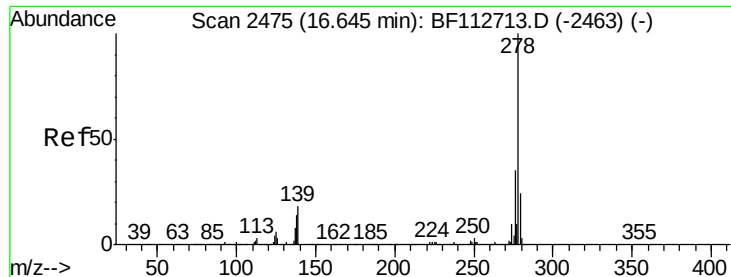
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	11.5	9.8	14.6



#90
Benzo(a)pyrene
Concen: 14.359 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.9	10.7	16.1





#91

Dibenzo(a,h)anthracene

Concen: 2.679 ng

RT: 16.65 min Scan# 2476

Delta R.T. 0.01 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

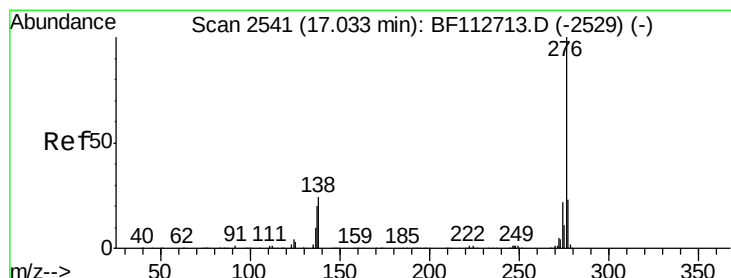
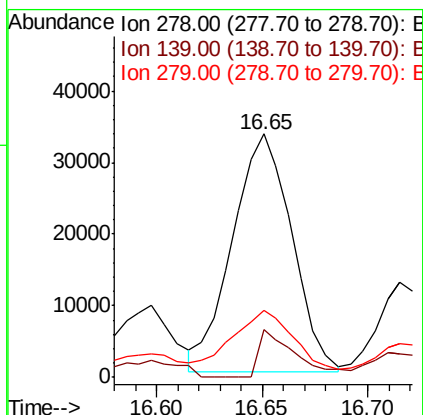
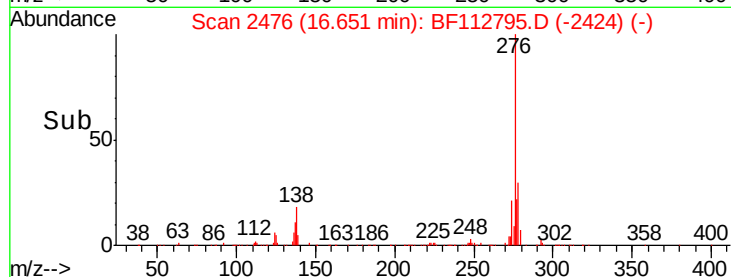
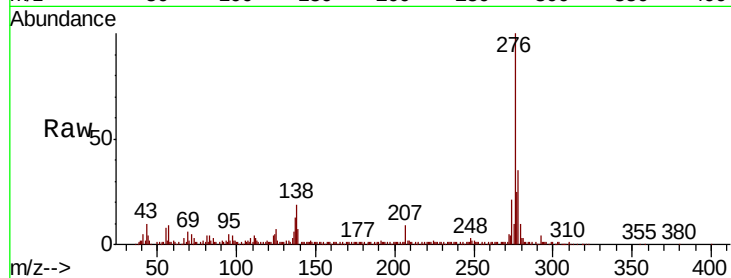
Tgt Ion:278 Resp: 64792

Ion Ratio Lower Upper

278 100

139 19.8 14.3 21.5

279 27.5 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 8.802 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.02 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Tgt Ion:276 Resp: 213768

Ion Ratio Lower Upper

276 100

277 23.9 18.6 27.8

138 22.7 19.4 29.0

