

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112911.D
 Acq On : 7 Mar 2019 5:16
 Operator : JU/SJ
 Sample : K1705-18
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B004-022719

Quant Time: Mar 07 05:49:38 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	197138	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	701761	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	290317	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	511335	20.00	ng	0.00
76) Chrysene-d12	13.86	240	537544	20.00	ng	-0.01
87) Perylene-d12	15.26	264	486783	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1434262	113.17	ng	0.00
7) Phenol-d6	6.37	99	1784042	112.07	ng	0.00
23) Nitrobenzene-d5	7.29	82	1075492	91.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	396156	128.54	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1541672	89.13	ng	-0.01
79) Terphenyl-d14	12.82	244	1357829	48.97	ng	-0.01

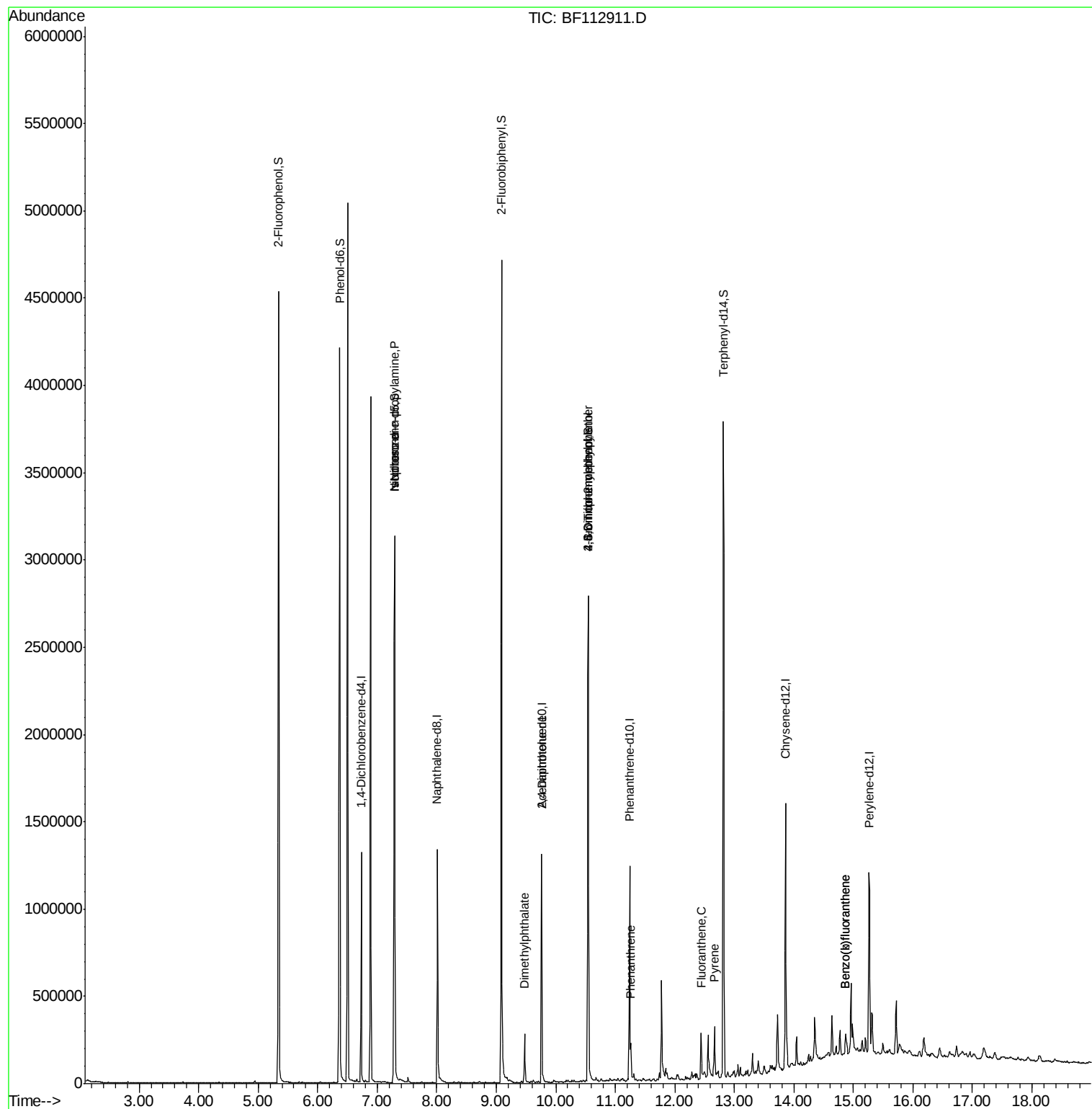
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	140945	13.979	ng	# 74
25) Isophorone	7.29	82	1070647	42.376	ng	# 66
50) Dimethylphthalate	9.48	163	123769	5.782	ng	98
57) 2,4-Dinitrotoluene	9.76	165	36860	6.652	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.54	198	485	4.821	ng	75
67) 4-Bromophenyl-phenylether	10.55	248	23111	4.291	ng	# 1
71) Phenanthrene	11.26	178	69968	2.750	ng	96
75) Fluoranthene	12.45	202	111931	4.107	ng	96
78) Pyrene	12.67	202	110138	2.430	ng	98
88) Benzo(b)fluoranthene	14.87	252	86658	2.752	ng	98
89) Benzo(k)fluoranthene	14.87	252	86650	3.038	ng	98

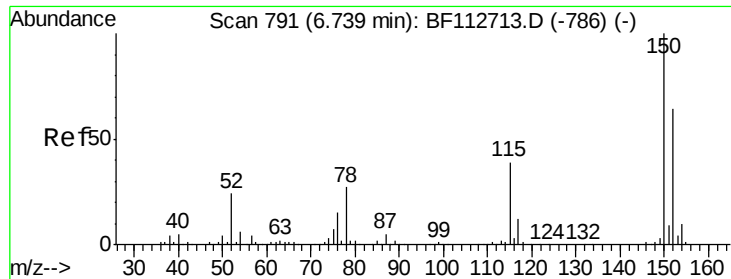
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
Data File : BF112911.D
Acq On : 7 Mar 2019 5:16
Operator : JU/SJ
Sample : K1705-18
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PST-028-B004-022719

Quant Time: Mar 07 05:49:38 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

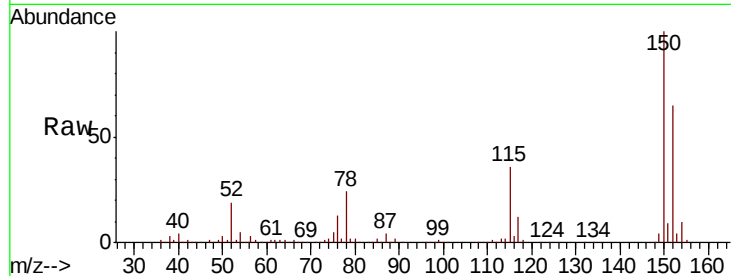




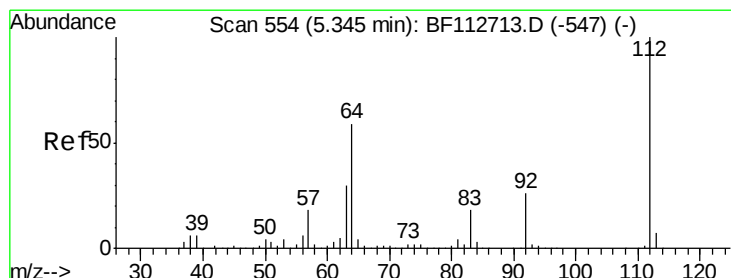
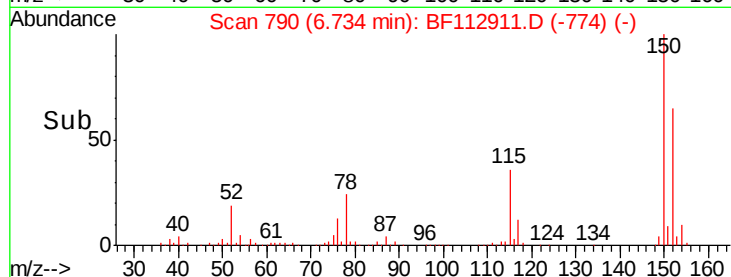
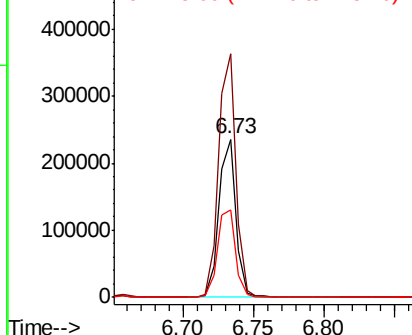
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF112911.D
 Acq: 7 Mar 2019 5:16

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B004-022719

Tgt Ion:152 Resp: 197138
 Ion Ratio Lower Upper
 152 100
 150 154.2 124.2 186.2
 115 55.8 48.2 72.4

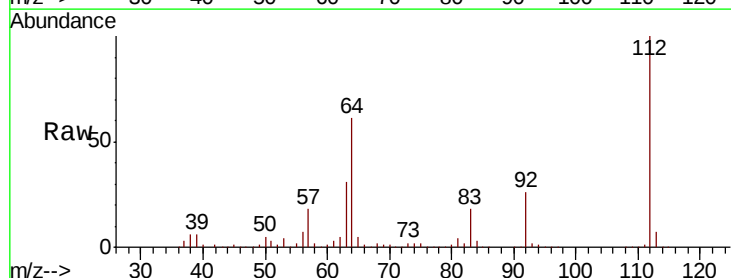


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

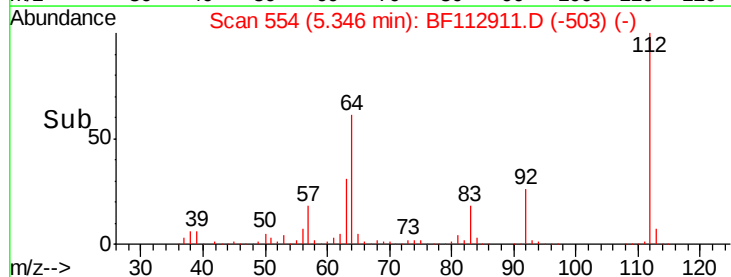
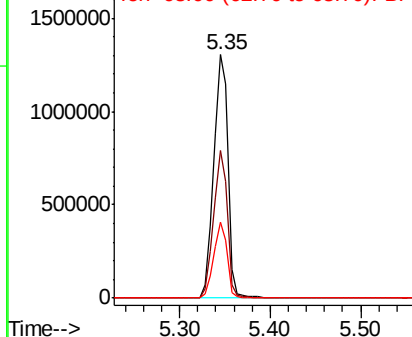


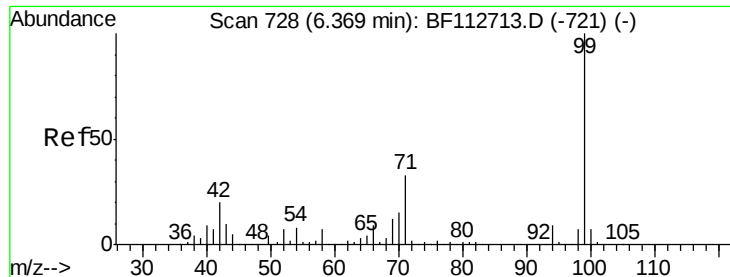
#5
 2-Fluorophenol
 Concen: 113.172 ng
 RT: 5.35 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF112911.D
 Acq: 7 Mar 2019 5:16

Tgt Ion:112 Resp: 1434262
 Ion Ratio Lower Upper
 112 100
 64 60.6 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: 112.065 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112911.D

Acq: 7 Mar 2019 5:16

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

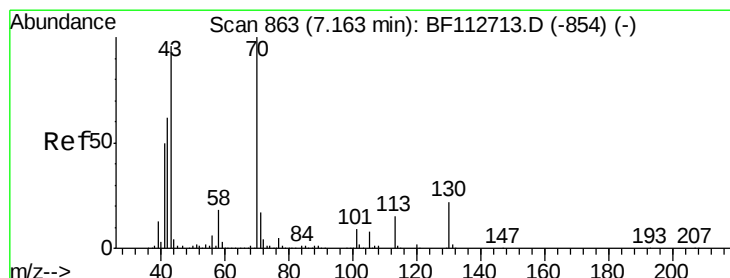
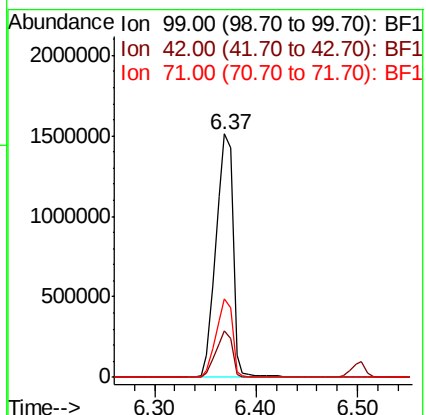
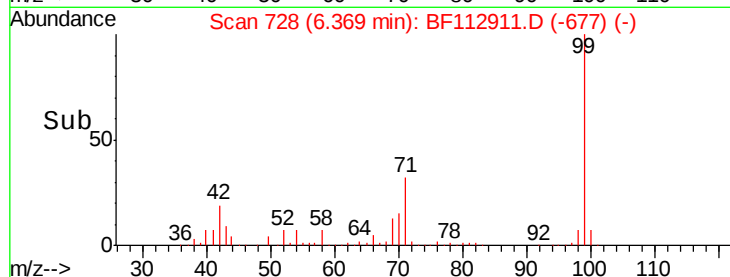
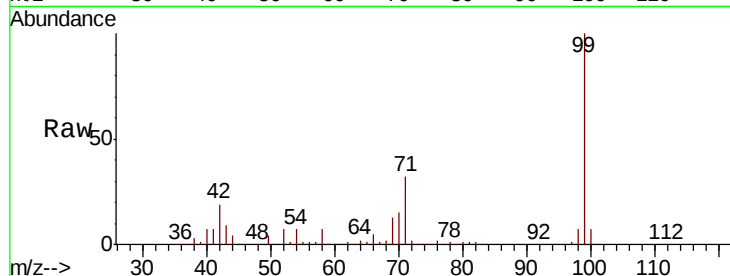
Tgt Ion: 99 Resp: 1784042

Ion Ratio Lower Upper

99 100

42 19.2 16.3 24.5

71 32.3 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.979 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF112911.D

Acq: 7 Mar 2019 5:16

Tgt Ion: 70 Resp: 140945

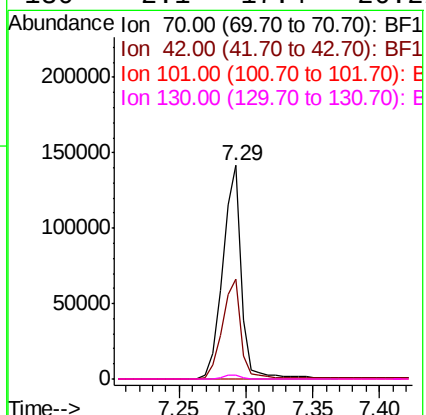
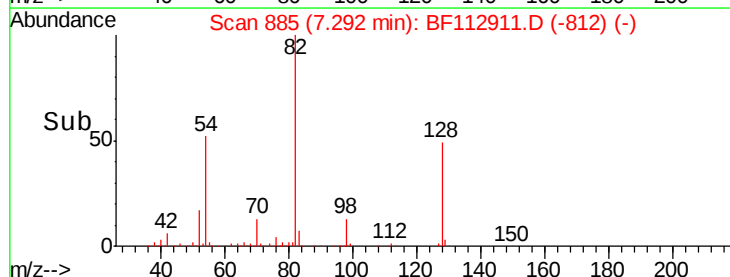
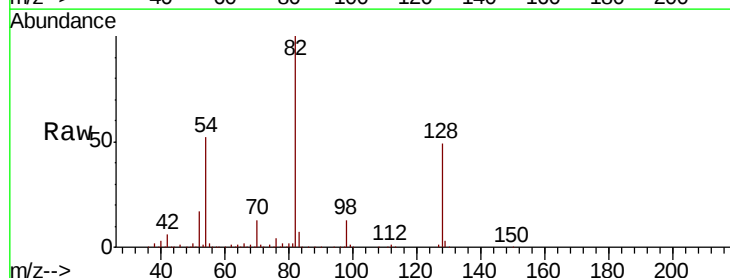
Ion Ratio Lower Upper

70 100

42 46.9 49.9 74.9#

101 0.0 7.4 11.2#

130 2.1 17.4 26.2#

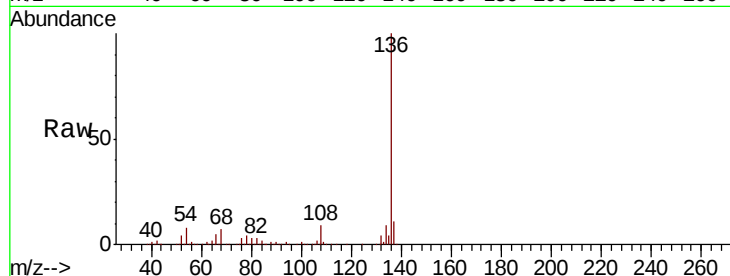




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Instrument :
BNA_F
ClientSampleId :
PST-028-B004-022719

Tgt Ion:	136	Resp:	701761
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.3	7.3	10.9
68	6.7	5.4	8.2



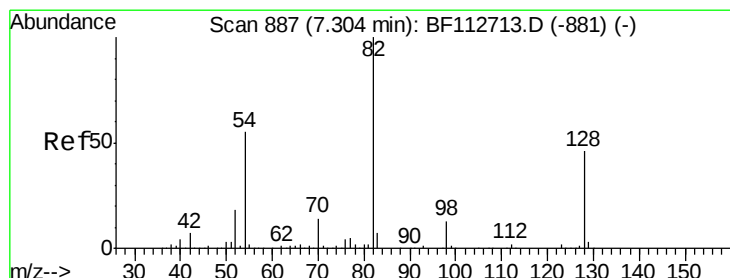
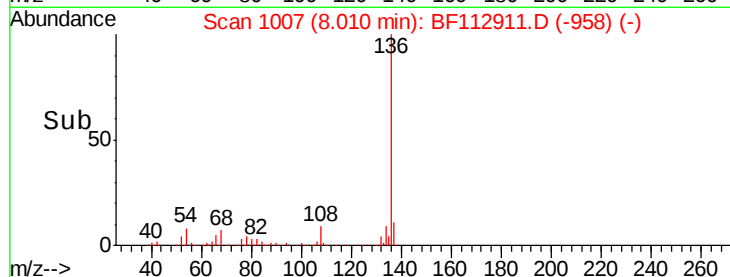
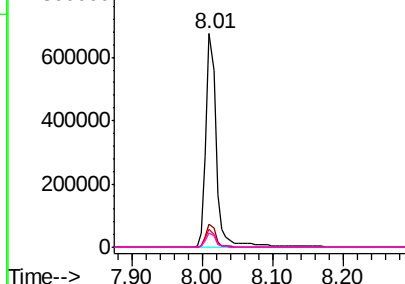
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

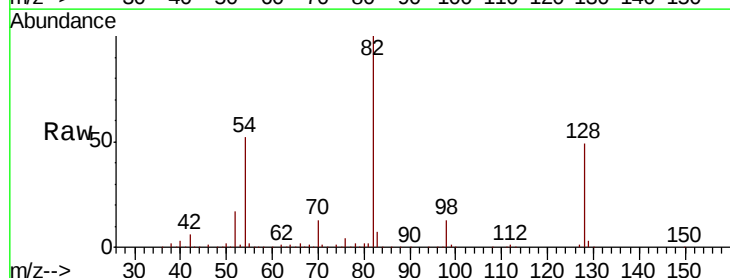
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 91.705 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:	82	Resp:	1075492
Ion	Ratio	Lower	Upper
82	100		
128	48.6	36.3	54.5
54	52.2	43.7	65.5

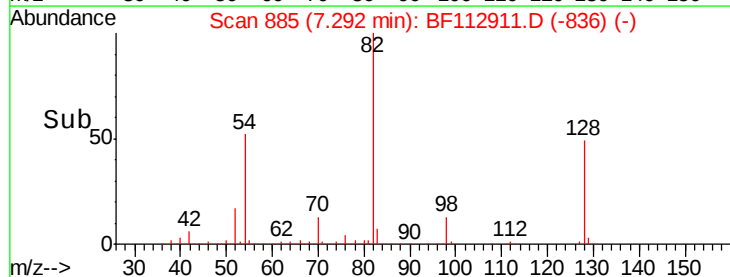
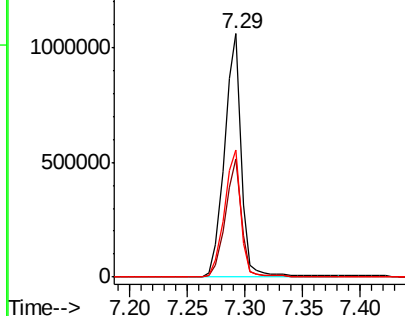


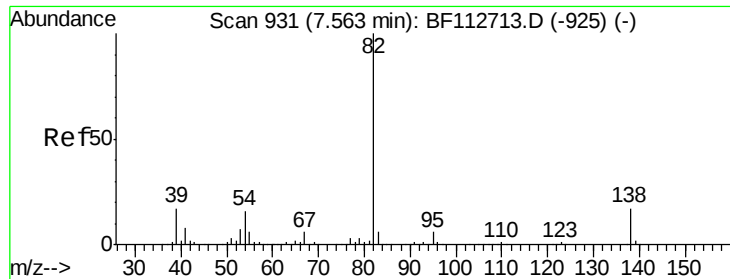
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.376 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112911.D

Acq: 7 Mar 2019 5:16

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

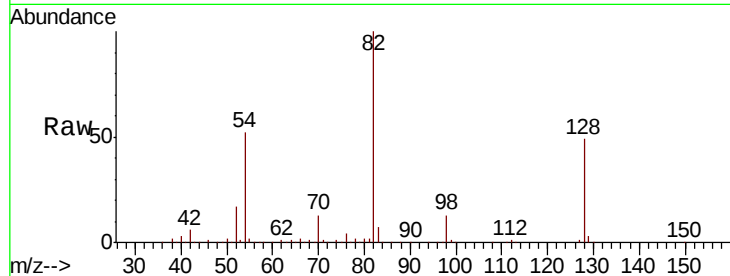
Tgt Ion: 82 Resp: 1070647

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

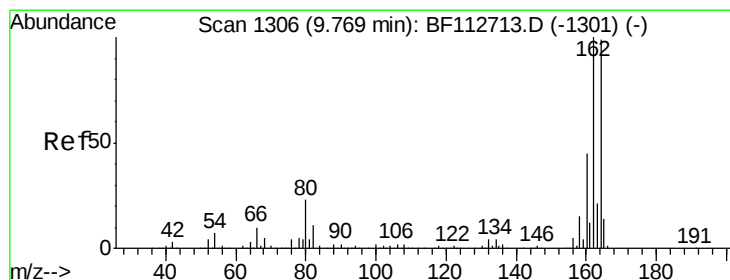
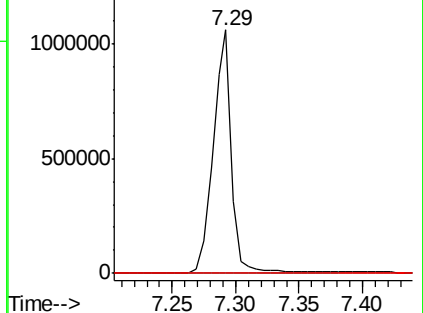
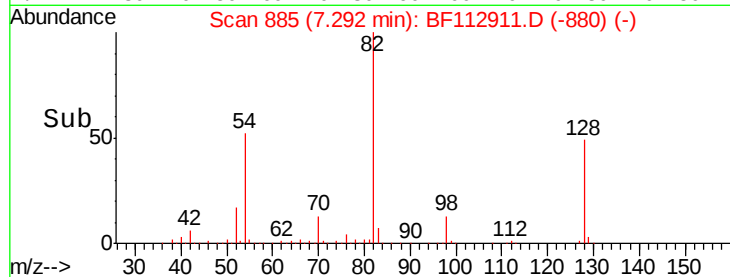
138 0.0 13.8 20.8#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF112911.D

Acq: 7 Mar 2019 5:16

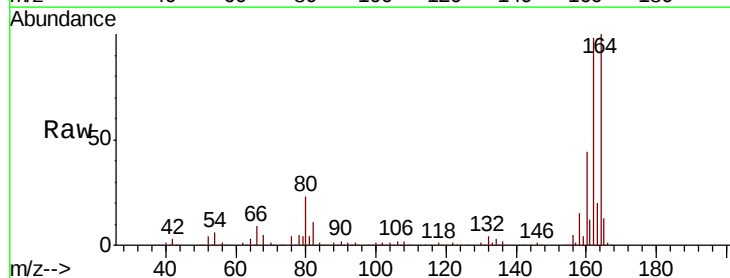
Tgt Ion: 164 Resp: 290317

Ion Ratio Lower Upper

164 100

162 98.2 80.6 120.8

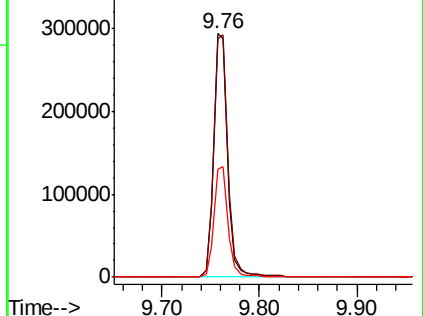
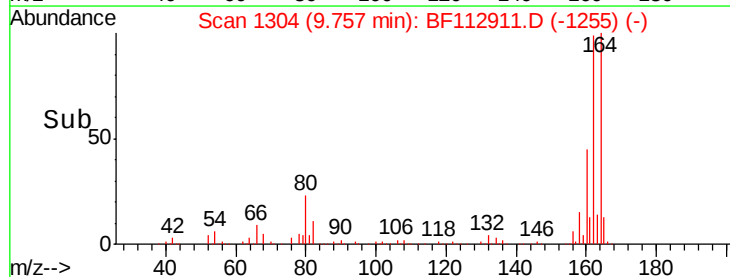
160 44.3 36.0 54.0



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

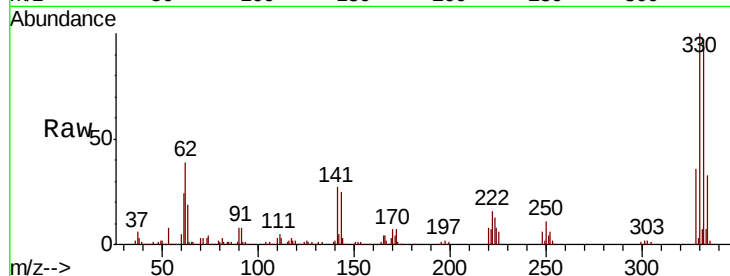




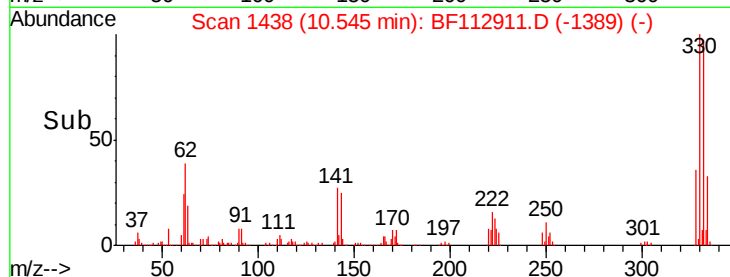
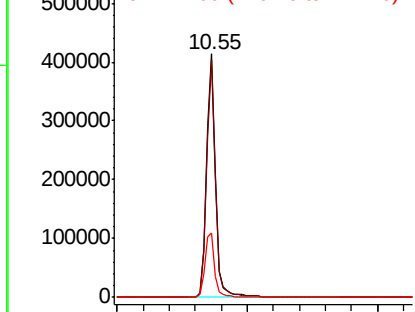
#42
 2,4,6-Tribromophenol
 Concen: 128.535 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112911.D
 Acq: 7 Mar 2019 5:16

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B004-022719

Tgt Ion:330 Resp: 396156
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.2 114.4
 141 28.7 27.0 40.6

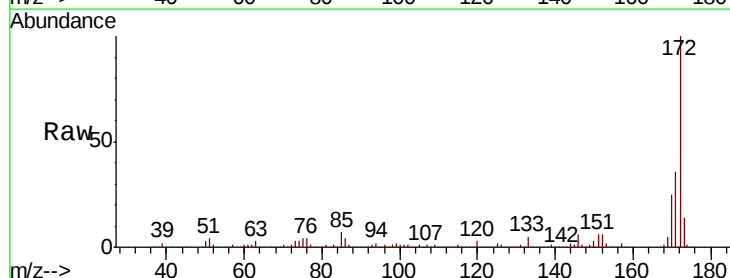


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

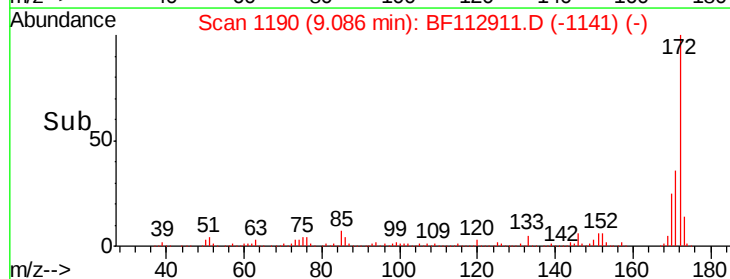
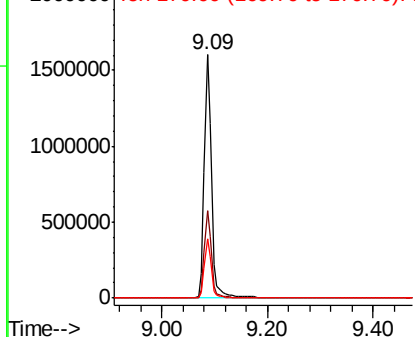


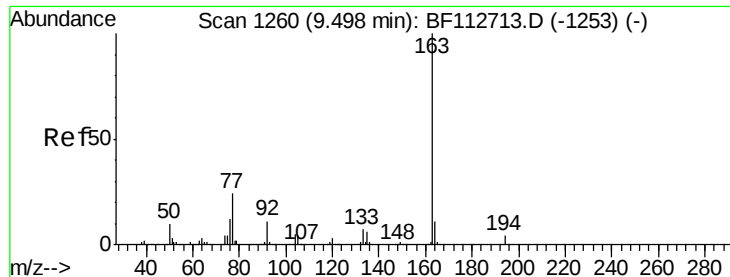
#45
 2-Fluorobiphenyl
 Concen: 89.127 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112911.D
 Acq: 7 Mar 2019 5:16

Tgt Ion:172 Resp: 1541672
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.4
 170 24.6 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

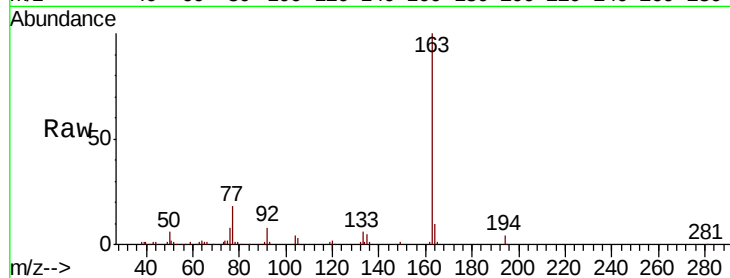




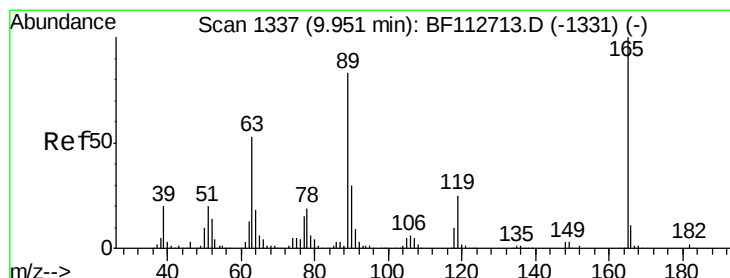
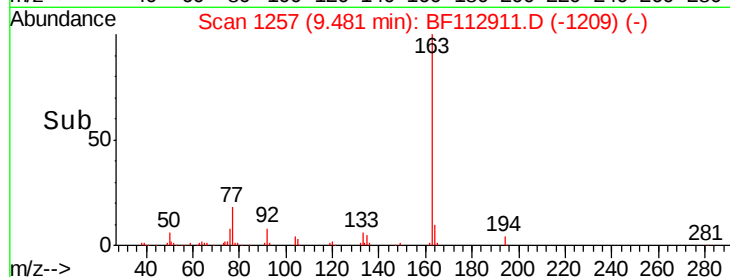
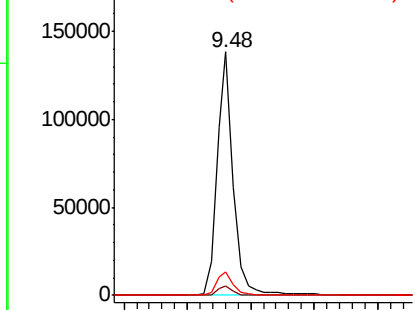
#50
Dimethylphthalate
Concen: 5.782 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Instrument :
BNA_F
ClientSampleId :
PST-028-B004-022719

Tgt Ion:163 Resp: 123769
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 9.7 8.4 12.6

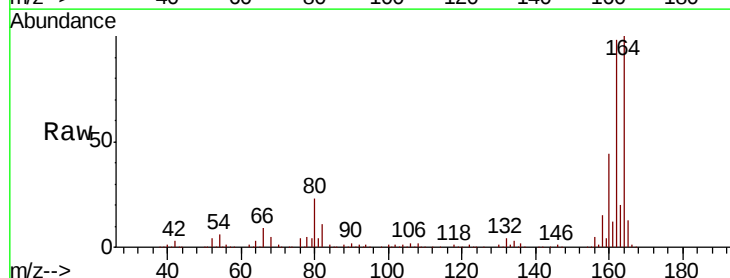


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

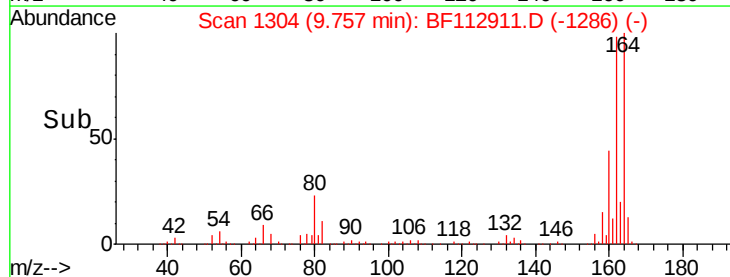
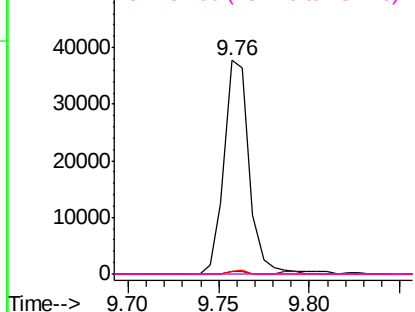


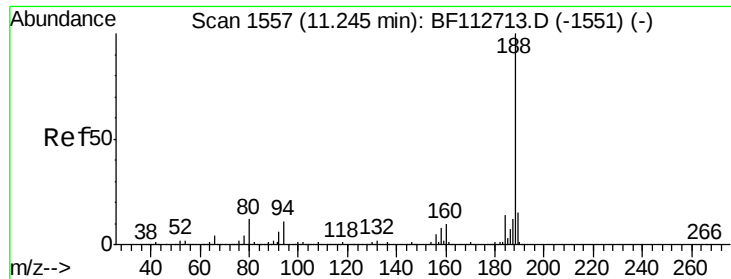
#57
2,4-Dinitrotoluene
Concen: 6.652 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:165 Resp: 36860
Ion Ratio Lower Upper
165 100
63 1.3 42.2 63.2#
89 1.0 66.2 99.4#
182 0.0 1.8 2.6#



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
Ion 182.00 (181.70 to 182.70): E

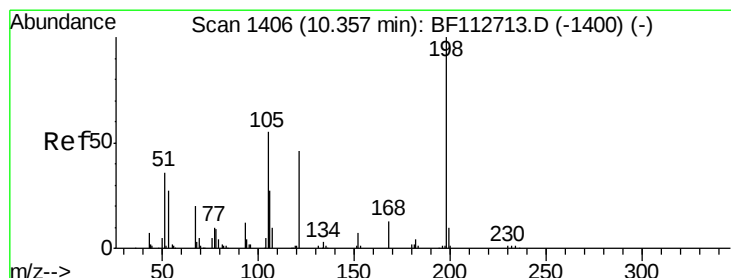
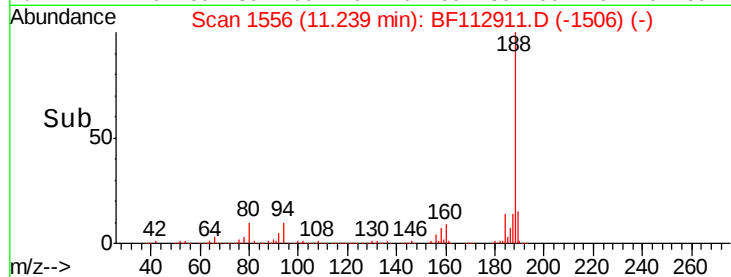
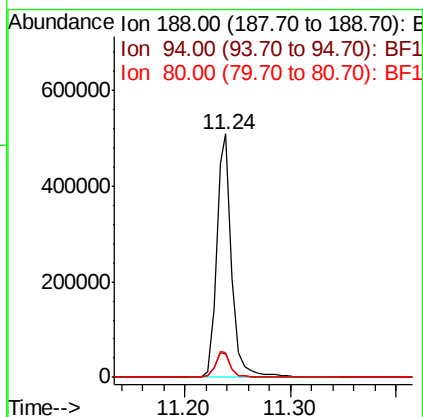
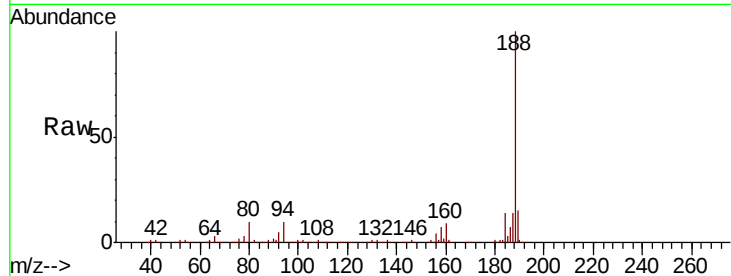




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

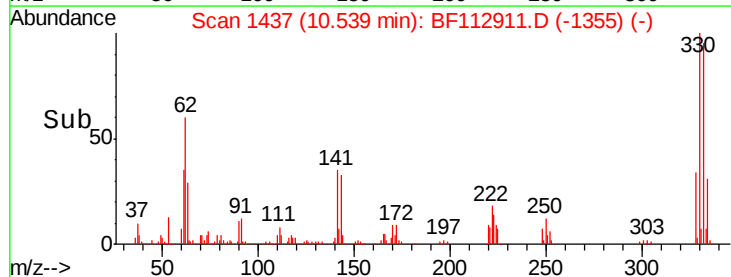
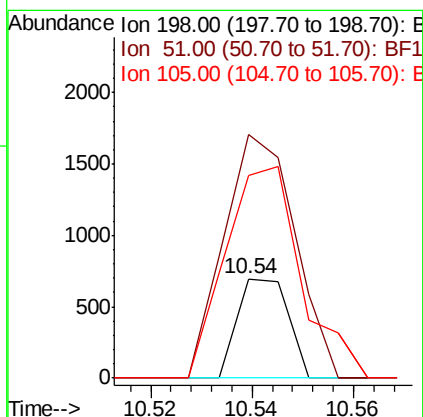
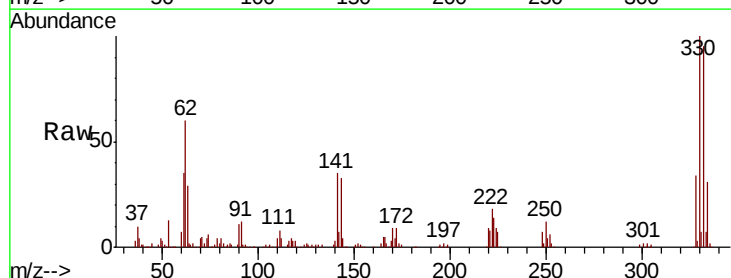
Instrument :
BNA_F
ClientSampleId :
PST-028-B004-022719

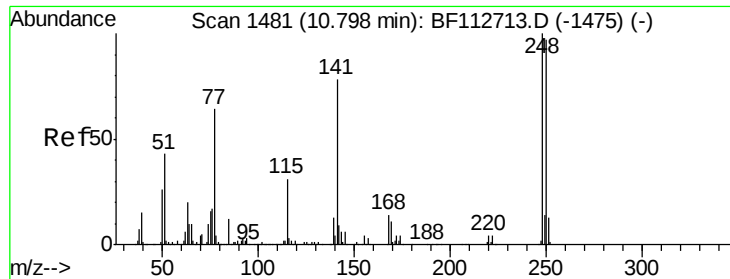
Tgt Ion:188 Resp: 511335
Ion Ratio Lower Upper
188 100
94 9.6 9.0 13.4
80 10.0 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.821 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:198 Resp: 485
Ion Ratio Lower Upper
198 100
51 45.3 43.8 83.8
105 37.8 36.5 76.5

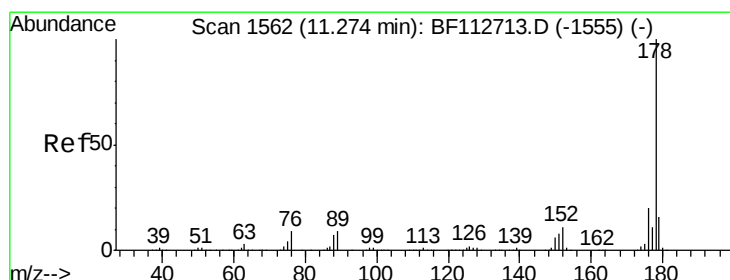
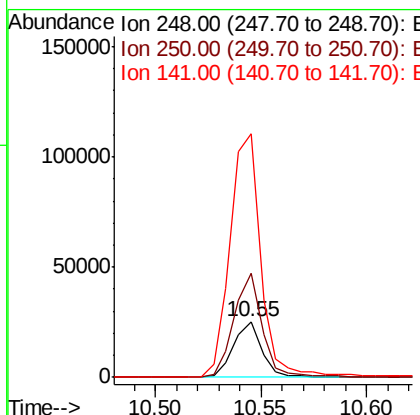
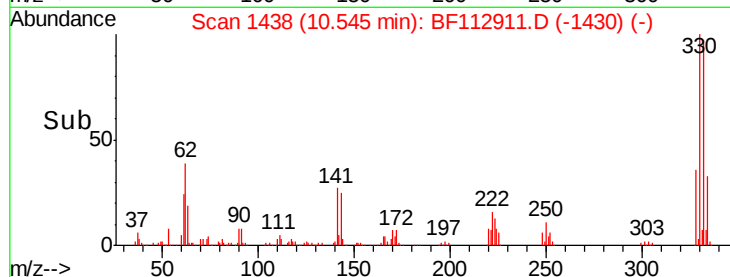
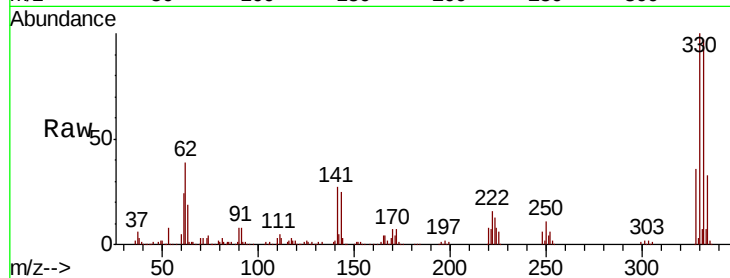




#67
 4-Bromophenyl-phenylether
 Concen: 4.291 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112911.D
 Acq: 7 Mar 2019 5:16

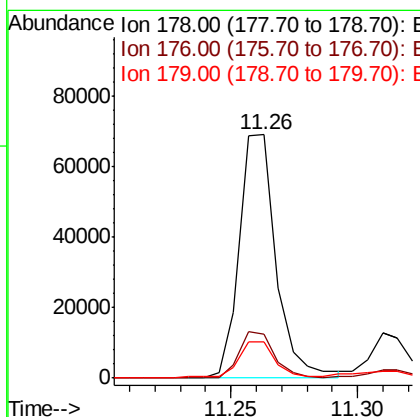
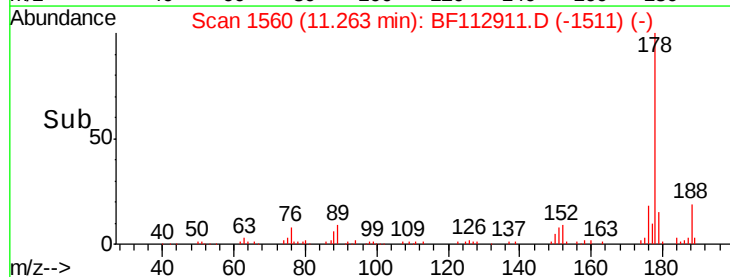
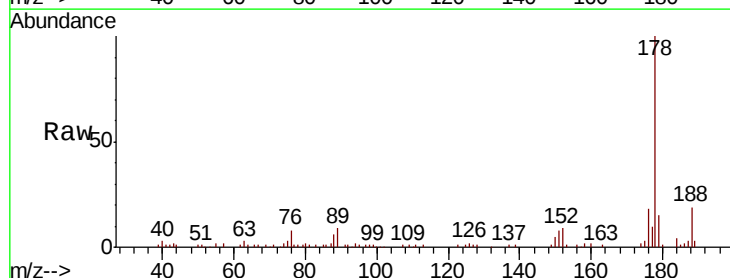
Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B004-022719

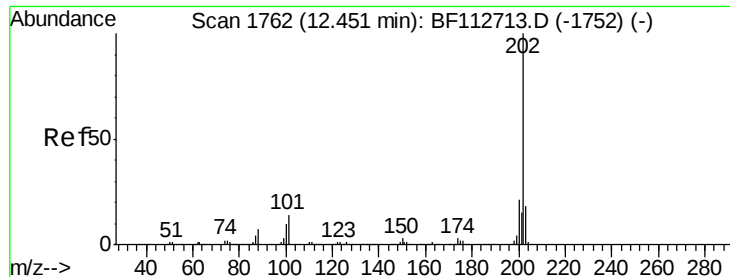
Tgt Ion:248 Resp: 23111
 Ion Ratio Lower Upper
 248 100
 250 186.3 77.5 116.3#
 141 437.8 62.4 93.6#



#71
 Phenanthrene
 Concen: 2.750 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF112911.D
 Acq: 7 Mar 2019 5:16

Tgt Ion:178 Resp: 69968
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.3 24.5
 179 15.0 12.7 19.1





#75

Fluoranthene

Concen: 4.107 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112911.D

Acq: 7 Mar 2019 5:16

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

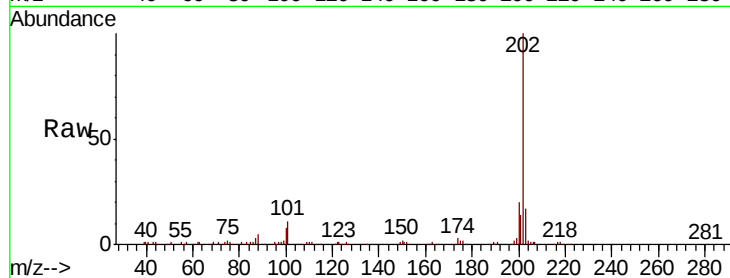
Tgt Ion:202 Resp: 111931

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.8

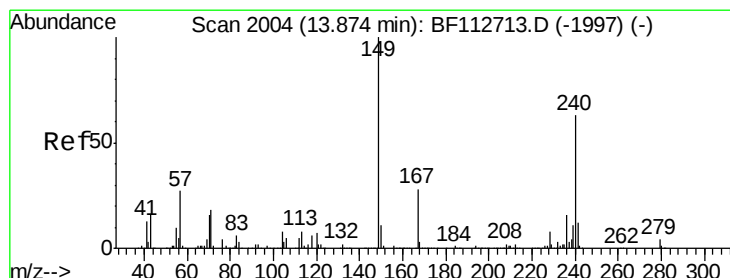
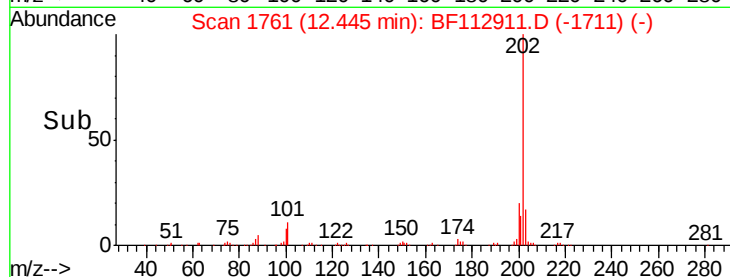
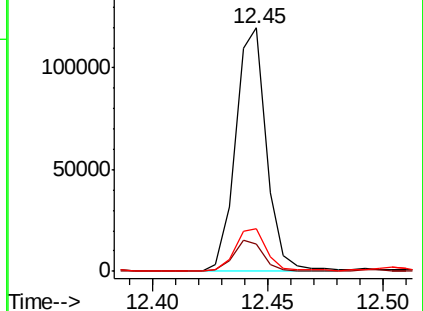
203 17.5 0.0 38.4



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: BF112911.D

Acq: 7 Mar 2019 5:16

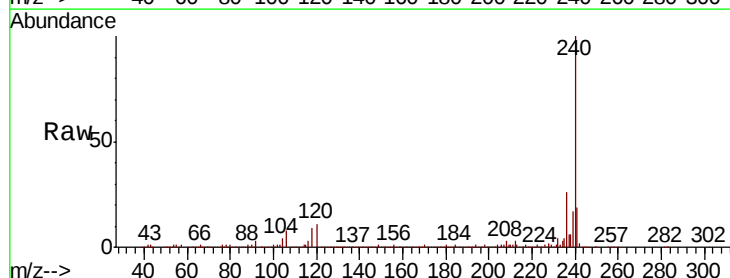
Tgt Ion:240 Resp: 537544

Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

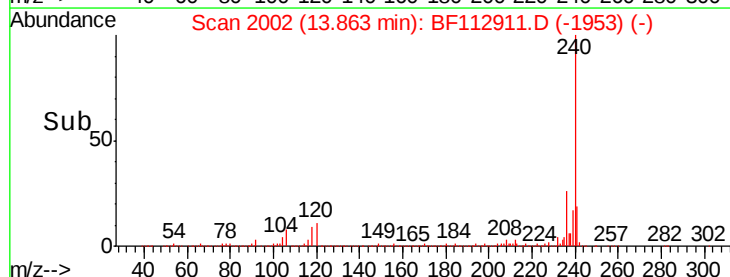
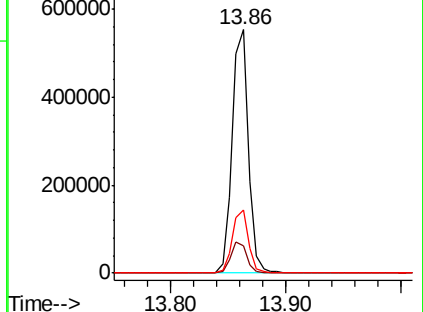
236 25.9 20.7 31.1

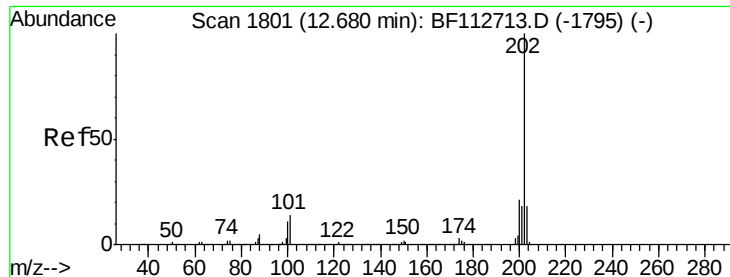


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 2.430 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF112911.D

Acq: 7 Mar 2019 5:16

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

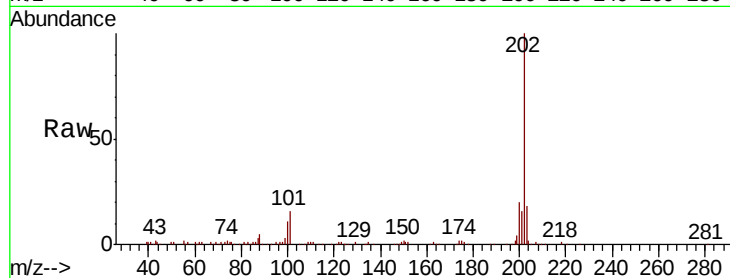
Tgt Ion:202 Resp: 110138

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

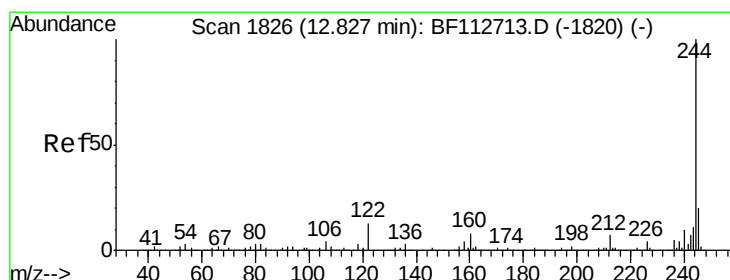
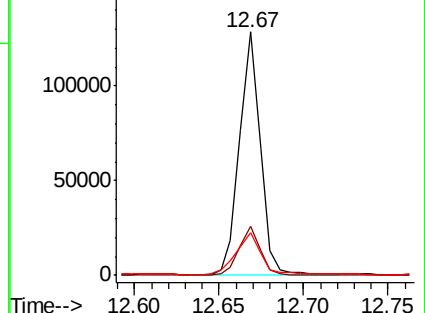
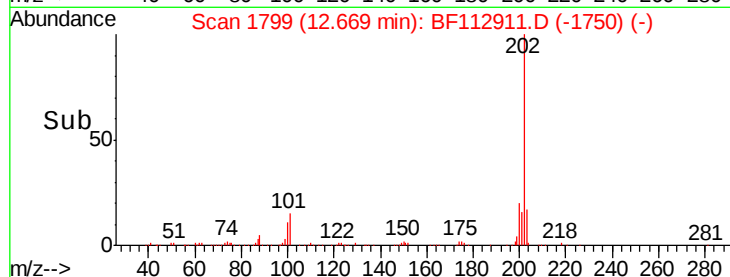
203 17.6 14.4 21.6



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: 48.966 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112911.D

Acq: 7 Mar 2019 5:16

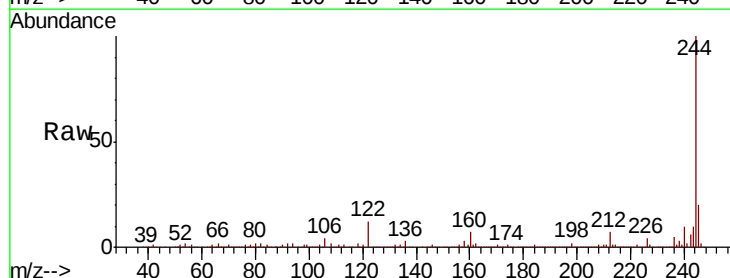
Tgt Ion:244 Resp: 1357829

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

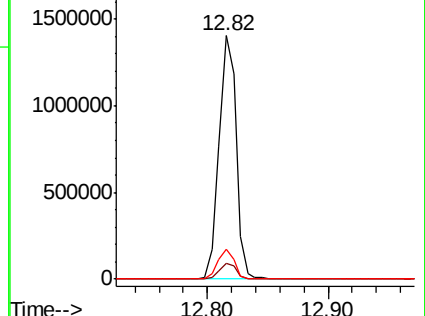
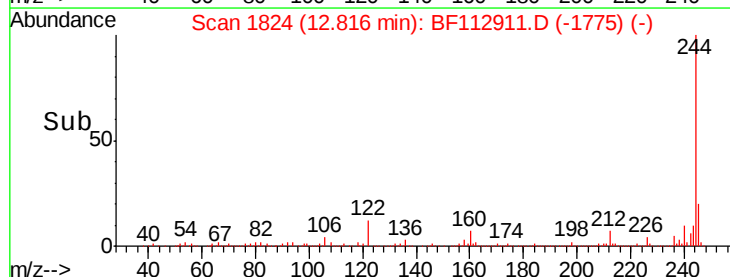
122 12.2 10.5 15.7

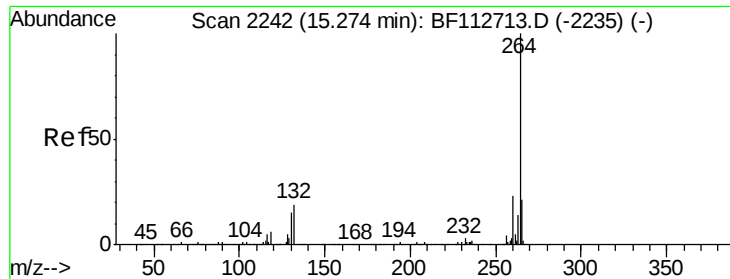


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



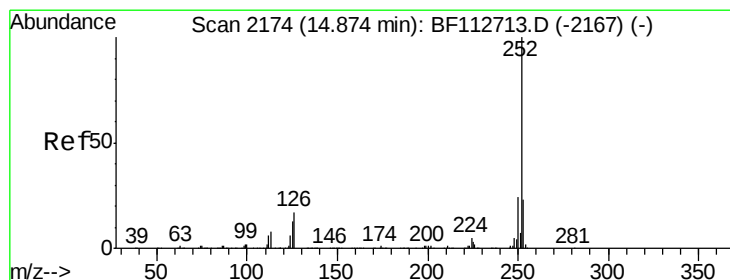
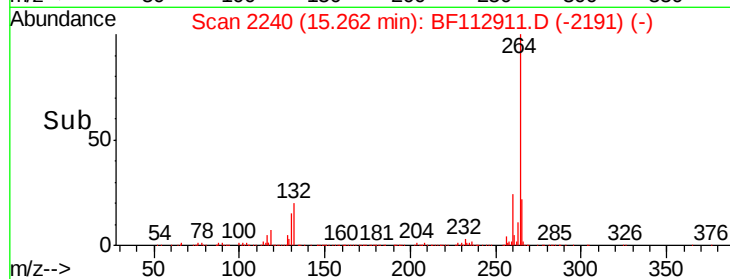
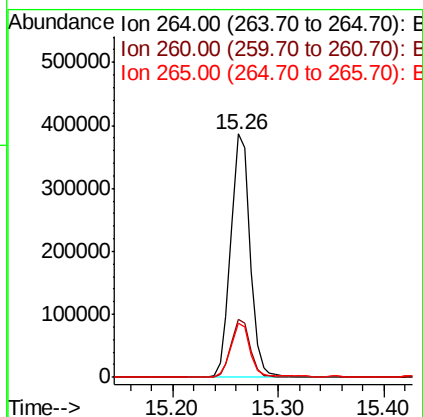
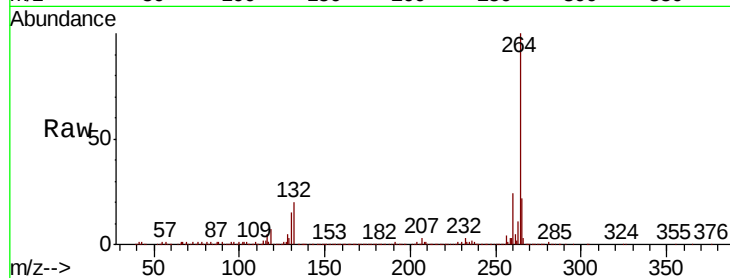


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Instrument :
BNA_F
ClientSampleId :
PST-028-B004-022719

Tgt Ion: 264 Resp: 486783

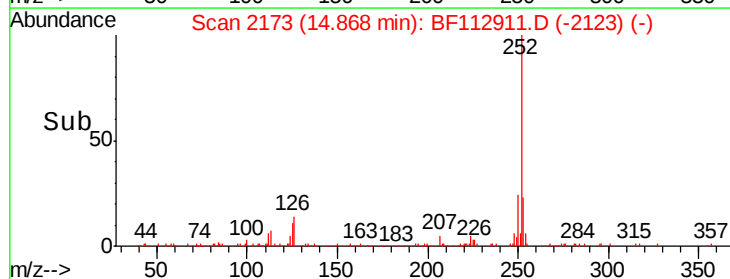
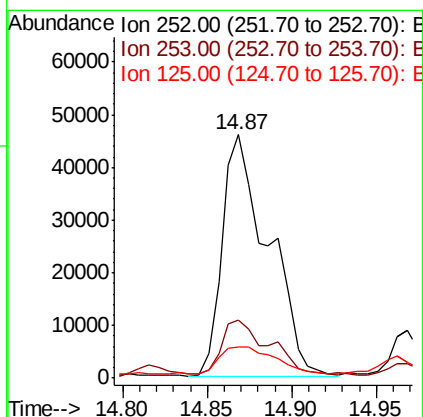
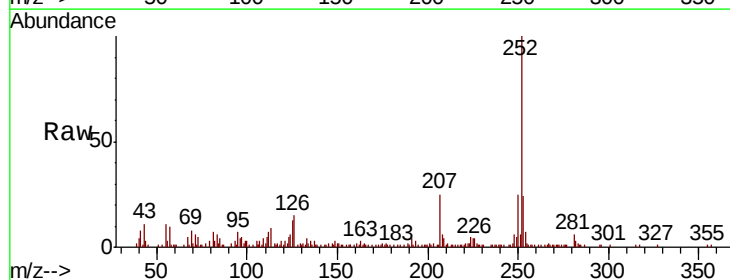
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.0	17.2	25.8

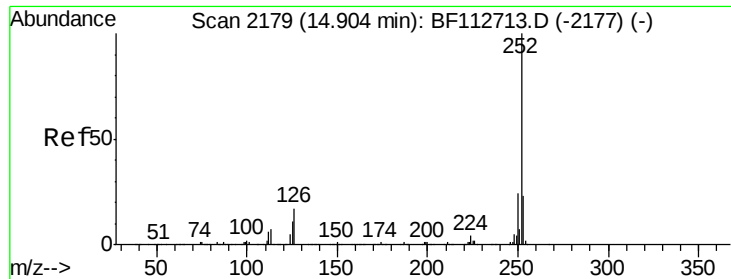


#88
Benzo(b)fluoranthene
Concen: 2.752 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion: 252 Resp: 86658

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.9	10.2	15.2





#89

Benzo(k)fluoranthene

Concen: 3.038 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.04 min

Lab File: BF112911.D

Acq: 7 Mar 2019 5:16

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

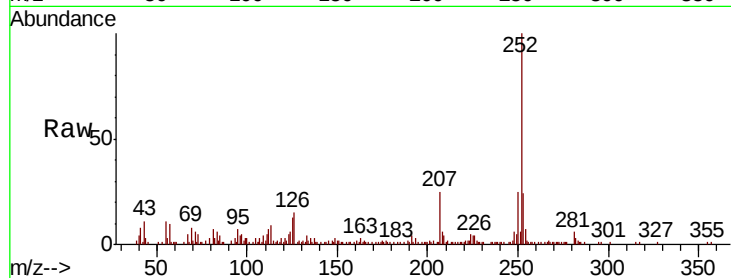
Tgt Ion: 252 Resp: 86650

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

125 12.9 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

