

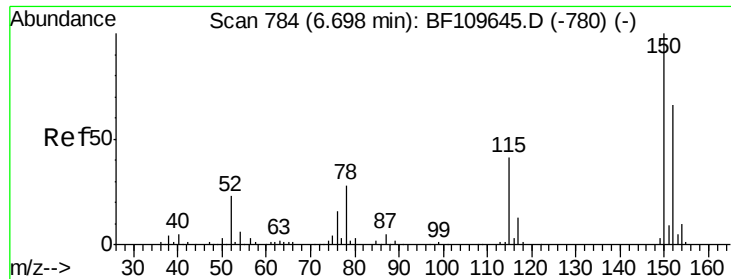
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\
 Data File : BF109687.D
 Acq On : 9 Oct 2018 10:14
 Operator : JU/SJ
 Sample : J5309-17
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 11:19:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	94378	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	350157	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	138458	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	238076	20.00	ng	0.00
75) Chrysene-d12	13.83	240	206320	20.00	ng	0.00
86) Perylene-d12	15.24	264	160498	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	565503	106.36	ng	0.00
7) Phenol-d6	6.35	99	736412	103.68	ng	0.00
23) Nitrobenzene-d5	7.26	82	471605	74.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	136741	90.64	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	761467	75.74	ng	0.00
78) Terphenyl-d14	12.78	244	609530	57.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	62169	12.481	ng	# 80
25) Isophorone	7.26	82	473595	44.898	ng	# 67
49) Dimethylphthalate	9.45	163	144253	14.206	ng	99
56) 2,4-Dinitrotoluene	9.72	165	17460	6.356	ng	# 19
66) 4-Bromophenyl-phenylether	10.51	248	7841	2.866	ng	# 1
74) Fluoranthene	12.41	202	45070	3.621	ng	97
77) Pyrene	12.63	202	43022	2.846	ng	98
83) Bis(2-ethylhexyl)phthalate	13.82	149	25856	3.234	ng	95
87) Benzo(b)fluoranthene	14.85	252	28771	3.244	ng	# 86
88) Benzo(k)fluoranthene	14.85	252	28771	3.228	ng	# 85

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

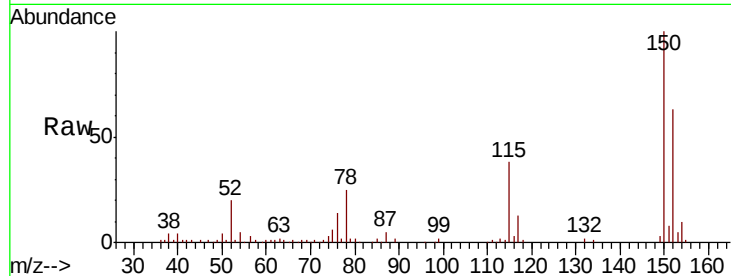


#1

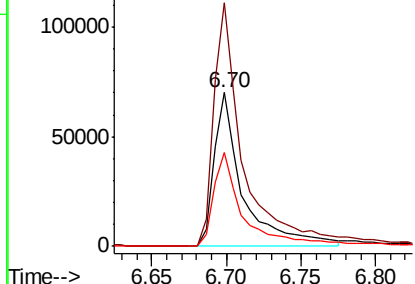
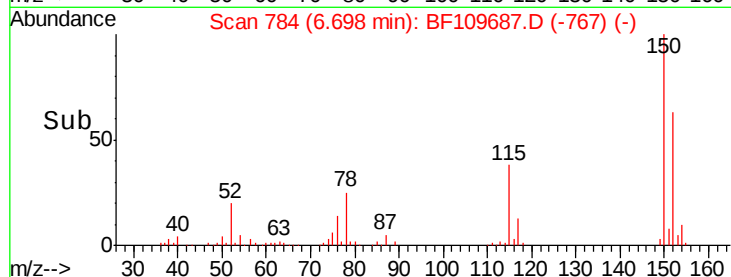
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 94378
Ion Ratio Lower Upper
152 100
150 158.7 122.7 184.1
115 60.8 49.1 73.7



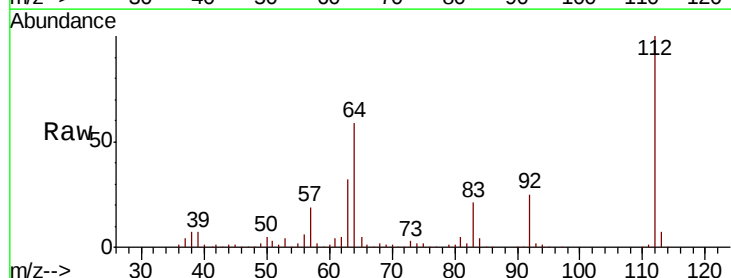
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



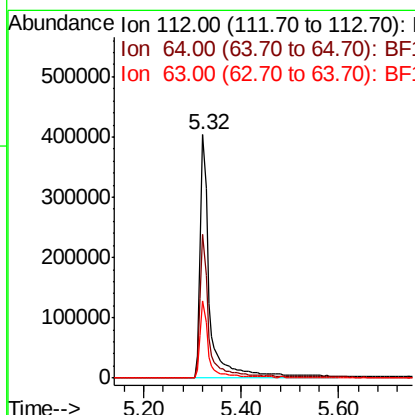
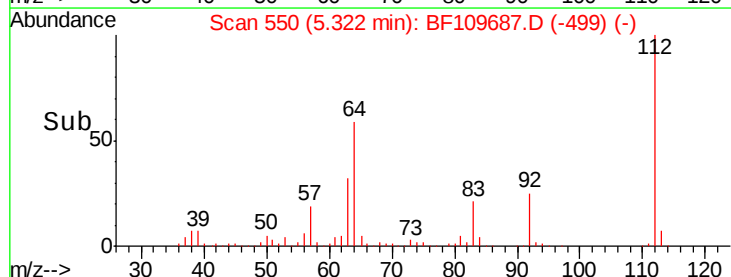
#5

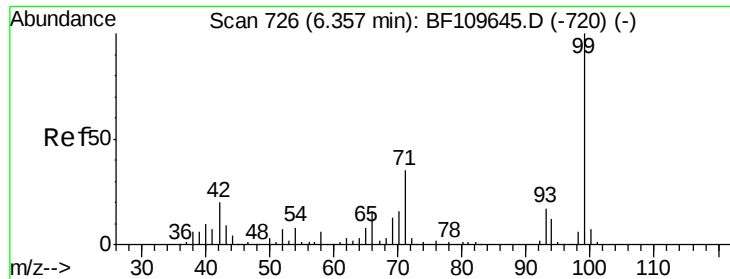
2-Fluorophenol
Concen: 106.358 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

Tgt Ion:112 Resp: 565503
Ion Ratio Lower Upper
112 100
64 58.9 44.1 66.1
63 32.0 23.7 35.5



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: 103.678 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109687.D

Acq: 9 Oct 2018 10:14

Instrument :

BNA_F

ClientSampleId :

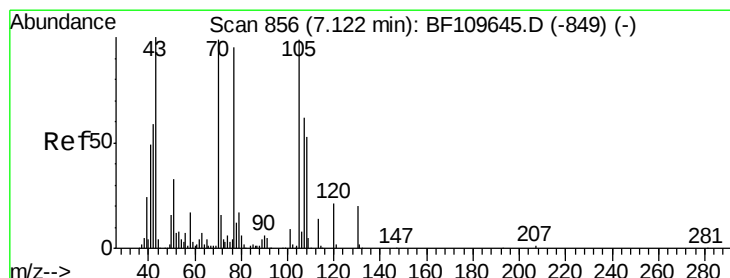
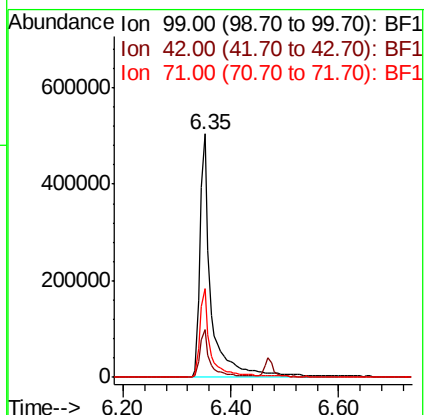
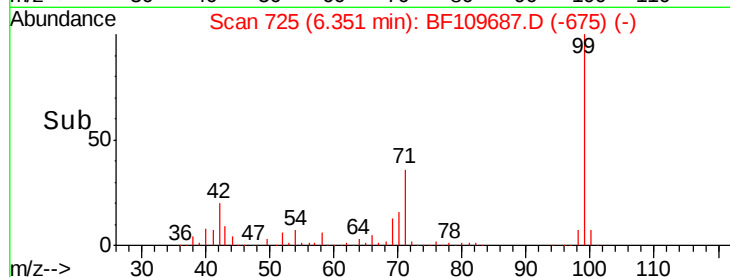
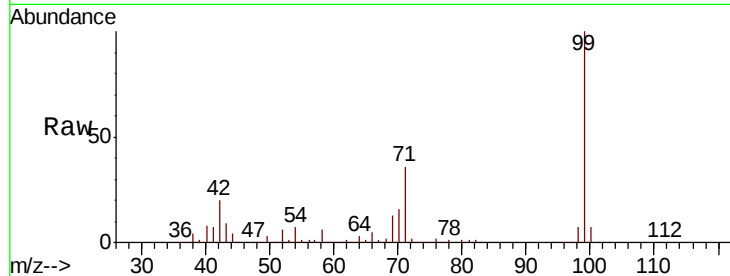
Tot Ion: 99 Resp: 736412

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.6

71 36.4 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.481 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109687.D

Acq: 9 Oct 2018 10:14

Tgt Ion: 70 Resp: 62169

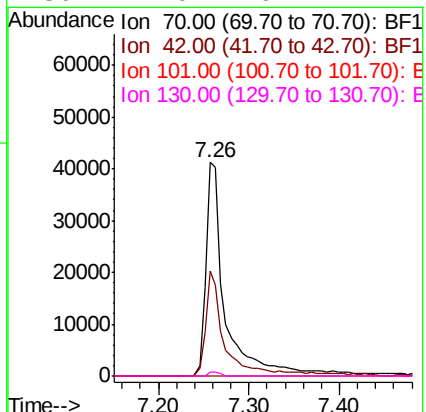
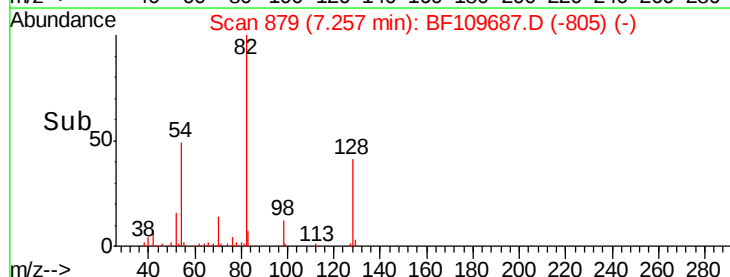
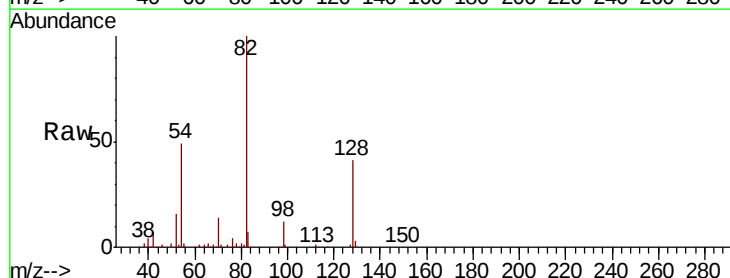
Ion Ratio Lower Upper

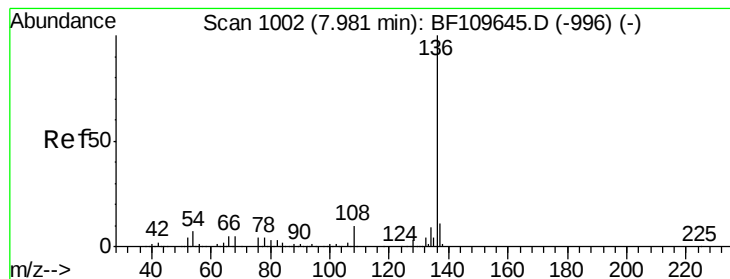
70 100

42 49.4 47.4 71.2

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109687.D

Acq: 9 Oct 2018 10:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 350157

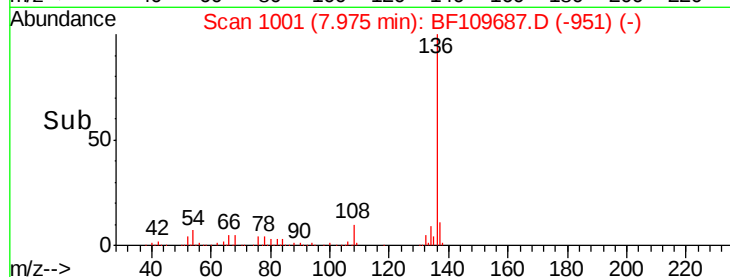
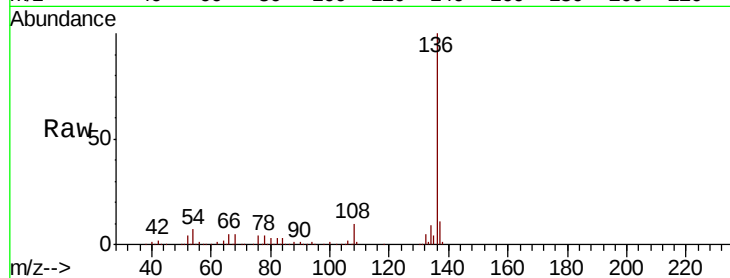
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.0 5.4 8.2

68 5.4 4.2 6.2

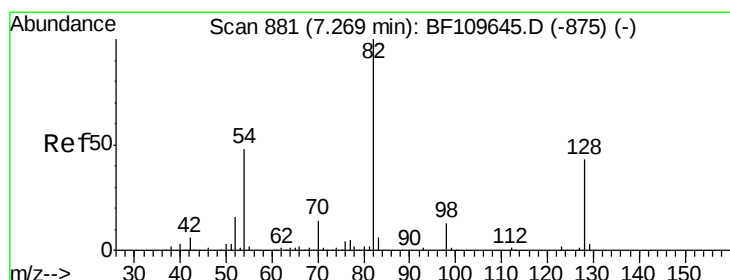
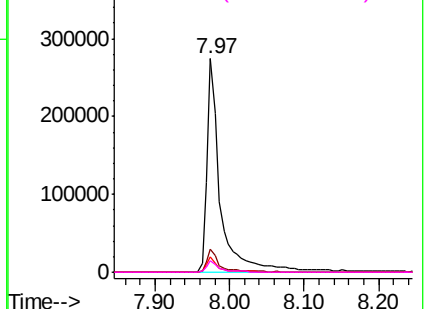


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.242 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109687.D

Acq: 9 Oct 2018 10:14

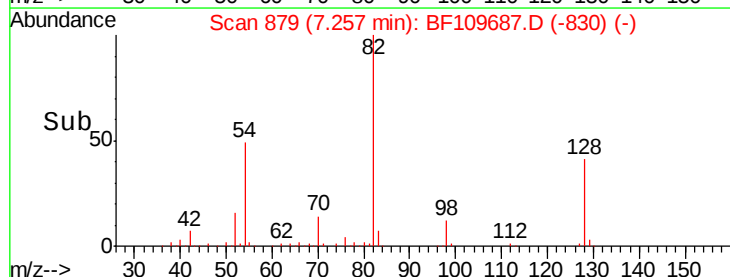
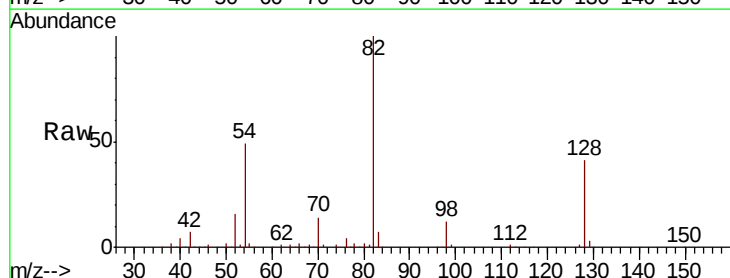
Tgt Ion: 82 Resp: 471605

Ion Ratio Lower Upper

82 100

128 41.0 34.2 51.2

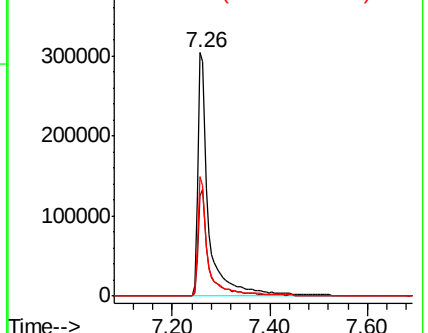
54 48.9 38.6 58.0

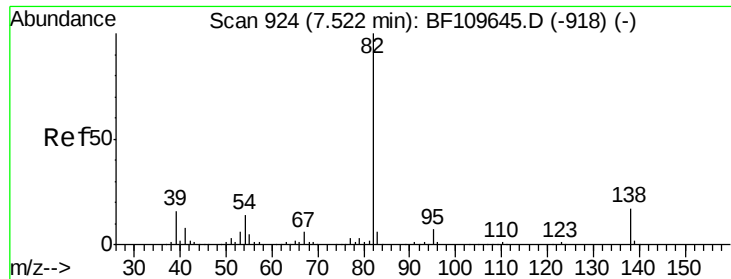


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.898 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109687.D

Acq: 9 Oct 2018 10:14

Instrument :

BNA_F

ClientSampleId :

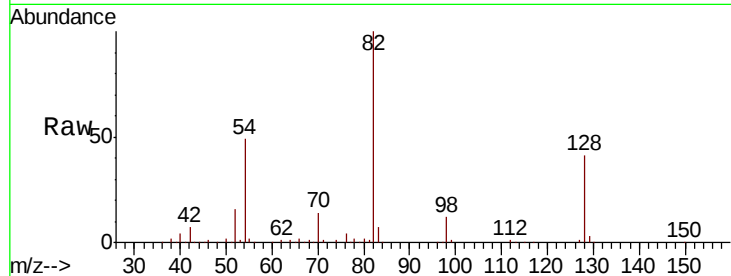
Tot Ion: 82 Resp: 473595

Ion Ratio Lower Upper

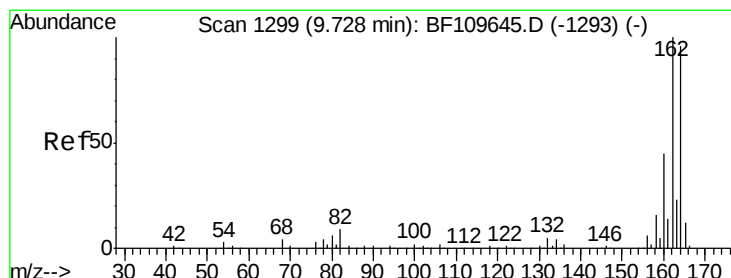
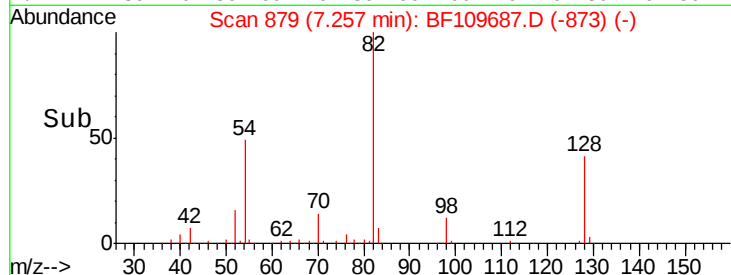
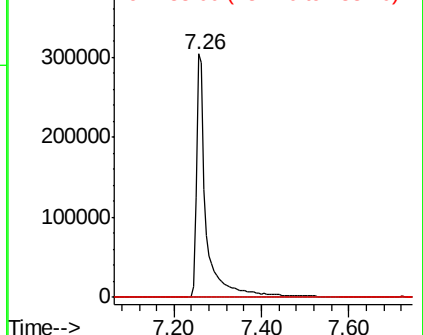
82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109687.D

Acq: 9 Oct 2018 10:14

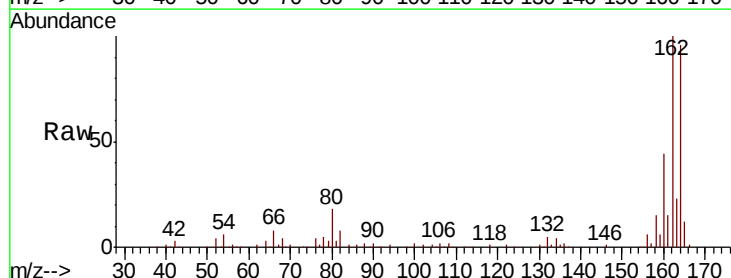
Tgt Ion:164 Resp: 138458

Ion Ratio Lower Upper

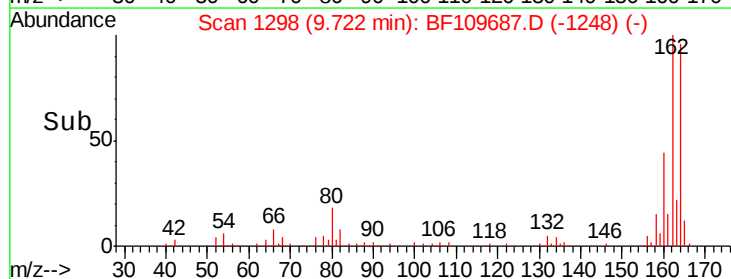
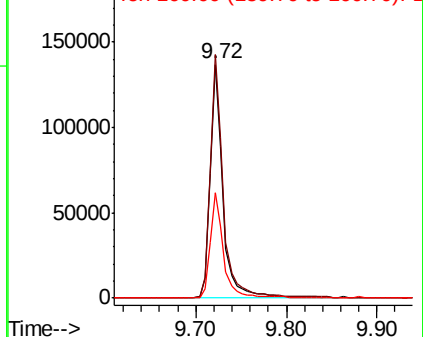
164 100

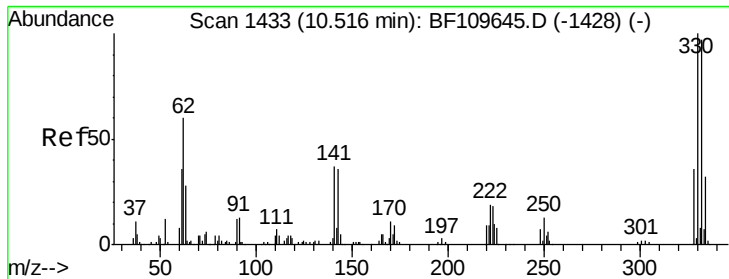
162 104.1 83.0 124.6

160 45.3 37.0 55.6



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

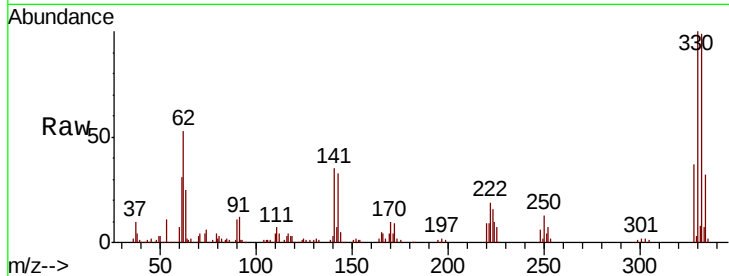




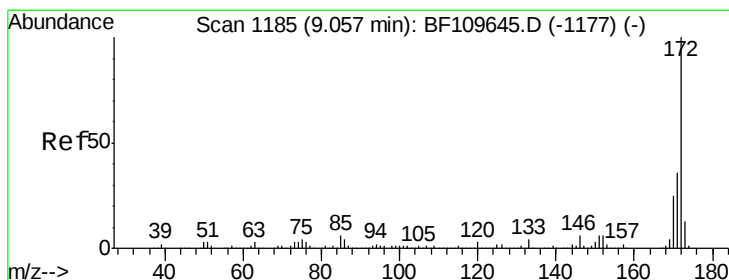
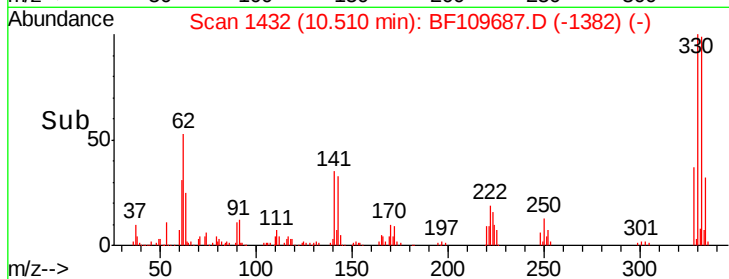
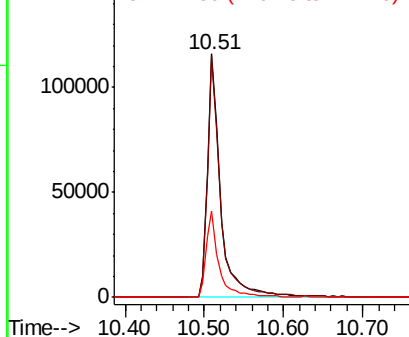
#41
 2,4,6-Tribromophenol
 Concen: 90.638 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109687.D
 Acq: 9 Oct 2018 10:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 136741
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.1 115.7
 141 34.4 27.0 40.4

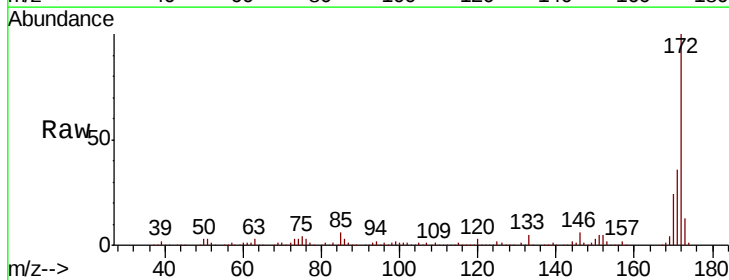


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

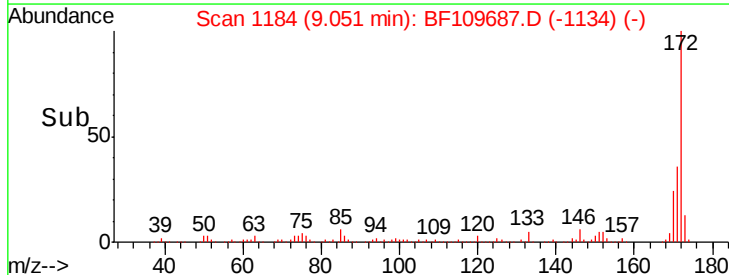
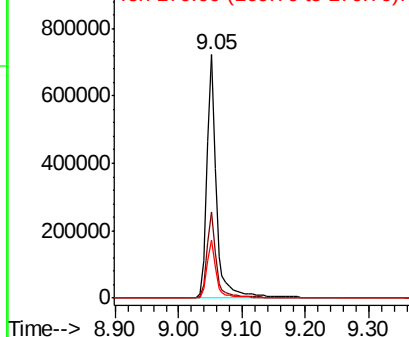


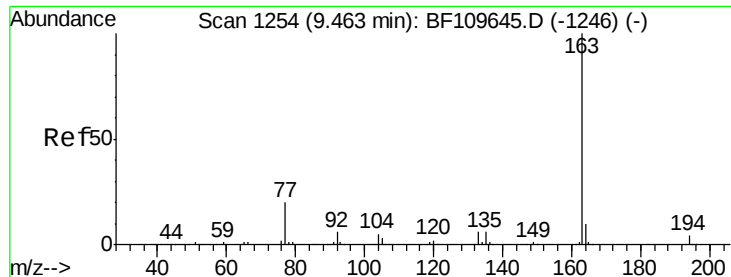
#44
 2-Fluorobiphenyl
 Concen: 75.744 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109687.D
 Acq: 9 Oct 2018 10:14

Tgt Ion:172 Resp: 761467
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 23.8 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

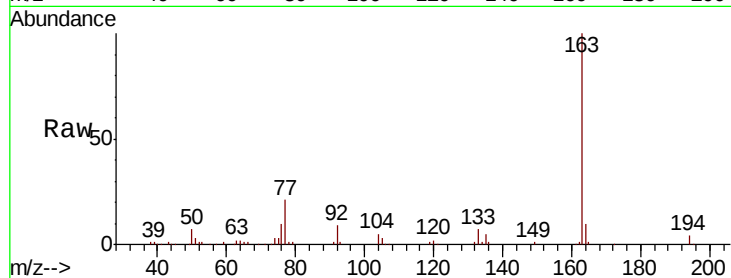




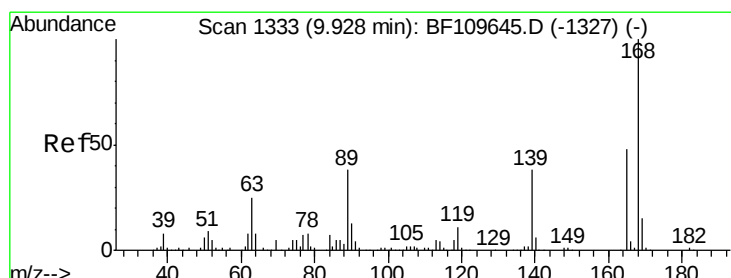
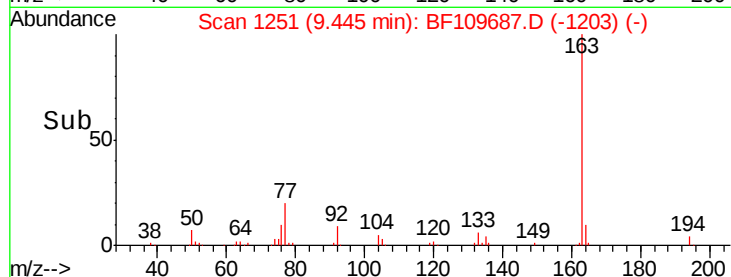
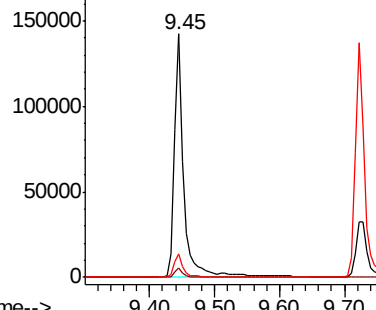
#49
Dimethylphthalate
Concen: 14.206 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 144253
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 9.6 8.1 12.1

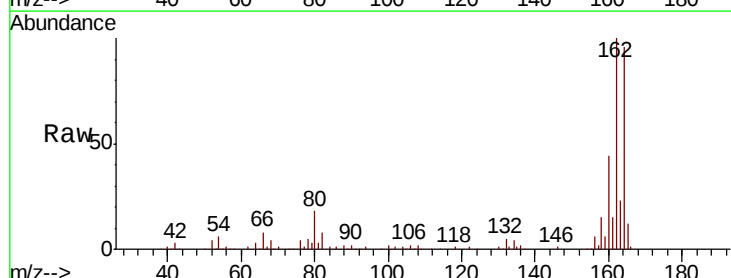


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

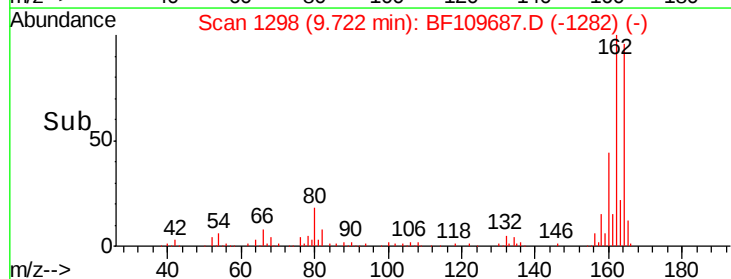
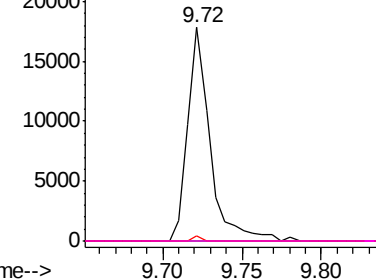


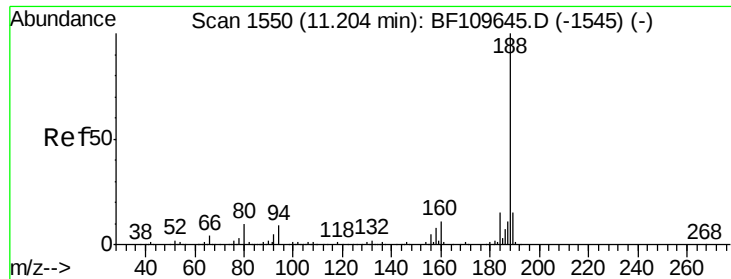
#56
2,4-Dinitrotoluene
Concen: 6.356 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

Tgt Ion:165 Resp: 17460
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 2.2 62.2 93.4#
182 0.0 2.1 3.1#



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

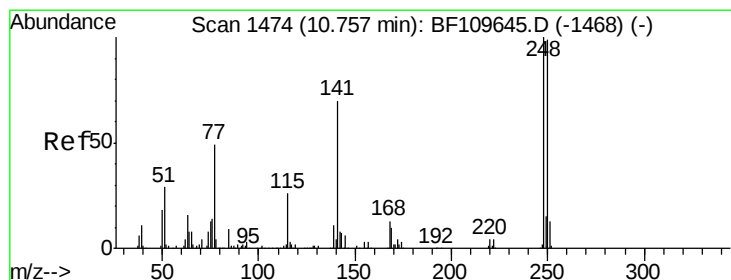
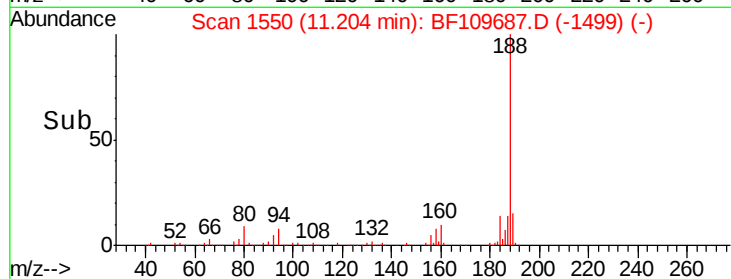
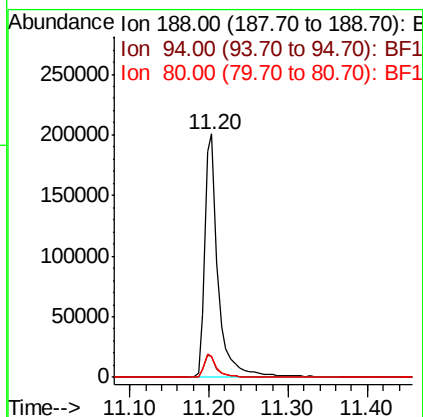
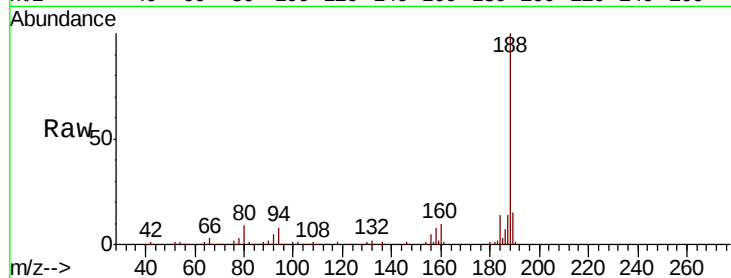




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

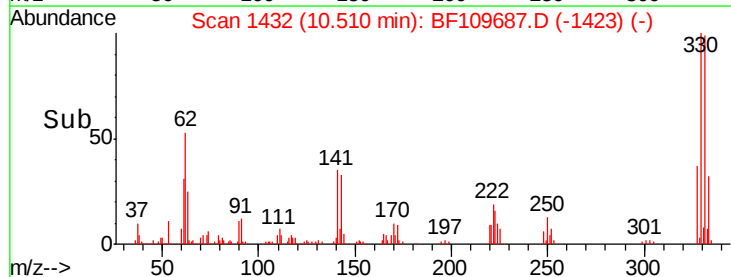
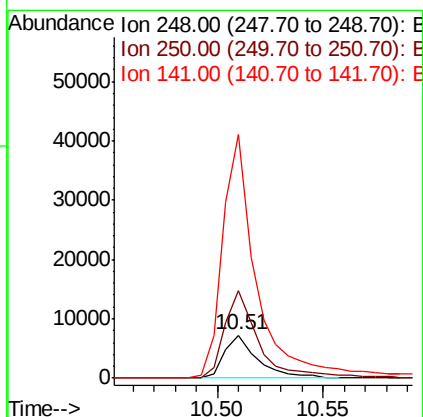
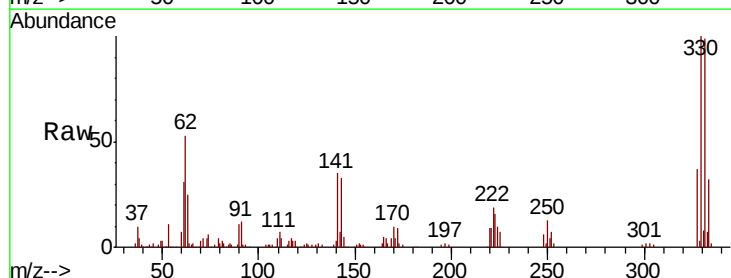
Instrument :
BNA_F
ClientSampled :

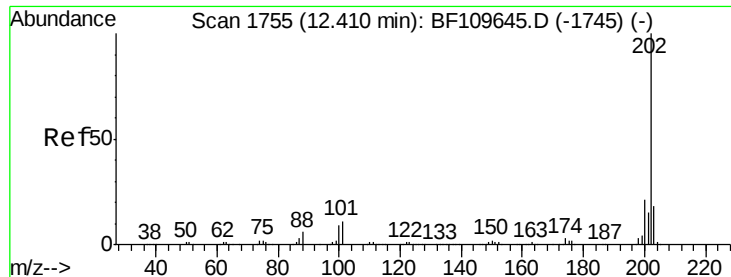
Tot Ion:188 Resp: 238076
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 8.7 7.9 11.9



#66
4-Bromophenyl-phenylether
Concen: 2.866 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

Tgt Ion:248 Resp: 7841
Ion Ratio Lower Upper
248 100
250 203.3 79.4 119.2#
141 568.4 55.9 83.9#

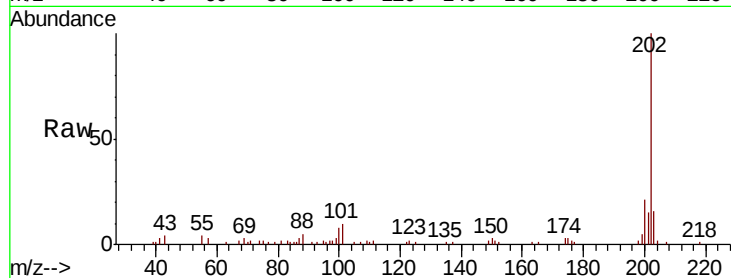




#74
Fluoranthene
Concen: 3.621 ng
RT: 12.41 min Scan# 1755
Delta R.T. -0.00 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.4
203	16.5	0.0	37.7

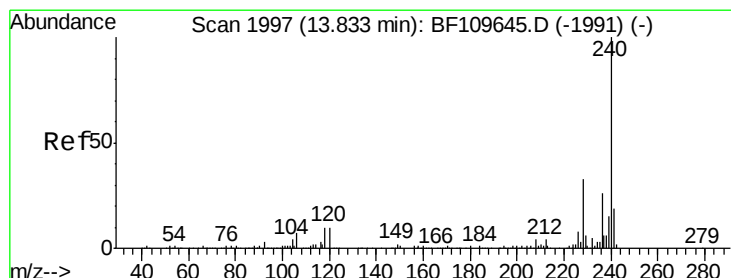
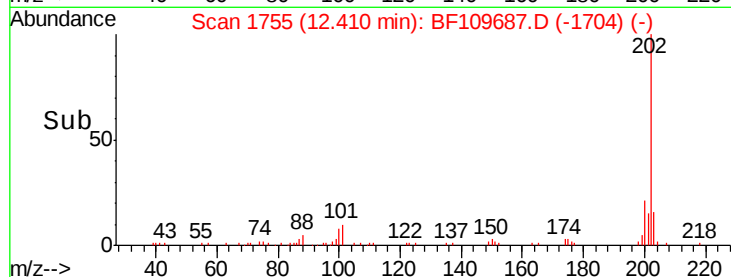
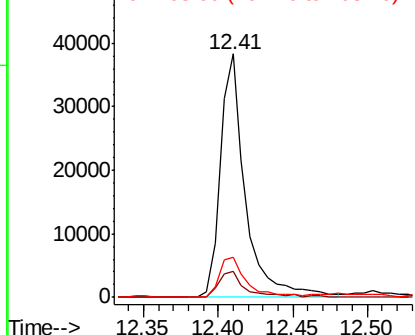


Abundance

Ion 202.00 (201.70 to 202.70): E

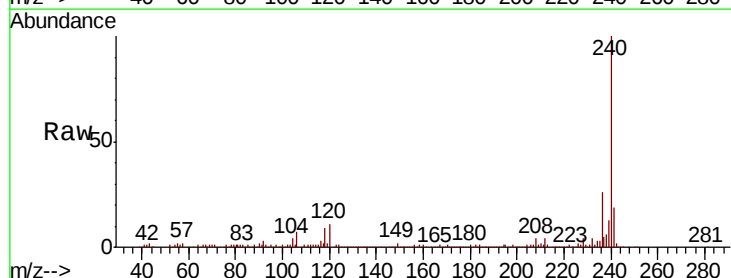
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	25.6	21.2	31.8

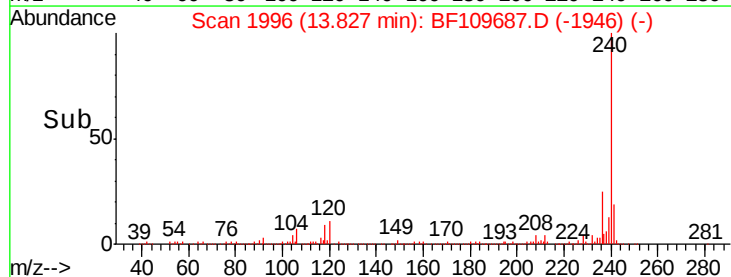
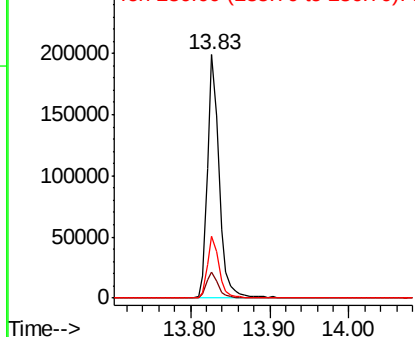


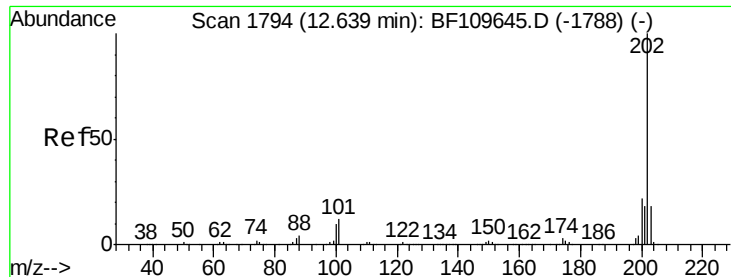
Abundance

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

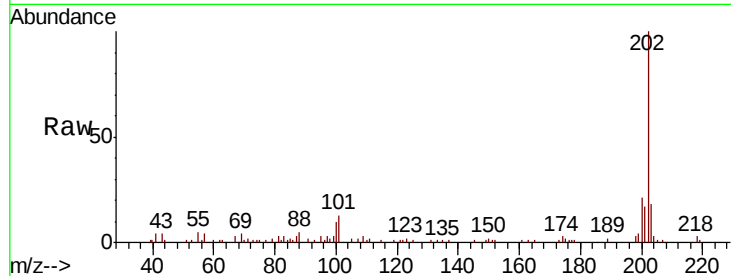




#77
Pvrene
Concen: 2.846 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.6
203	17.9	14.2	21.4

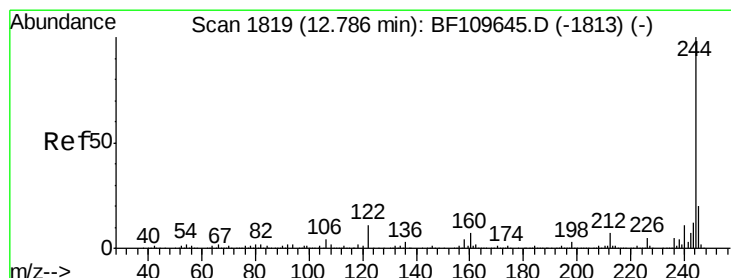
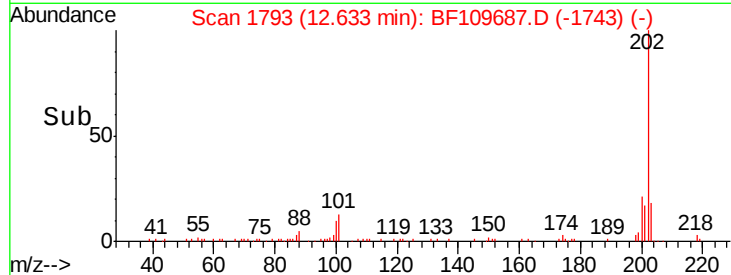
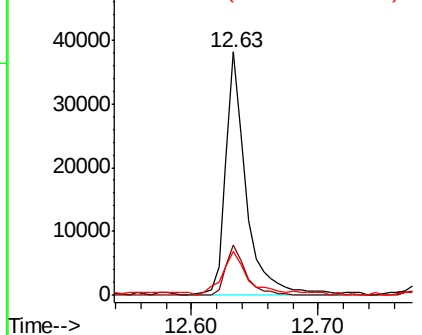


Abundance

Ion 202.00 (201.70 to 202.70): E

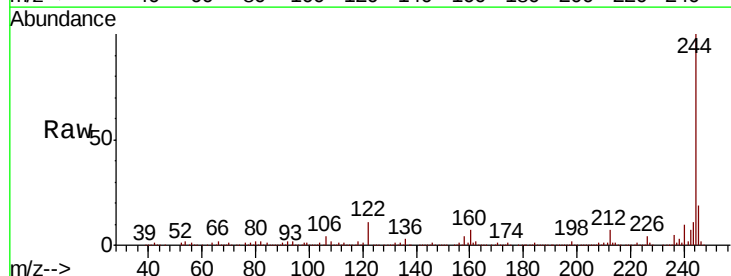
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 57.190 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF109687.D
Acq: 9 Oct 2018 10:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.7	8.7	13.1

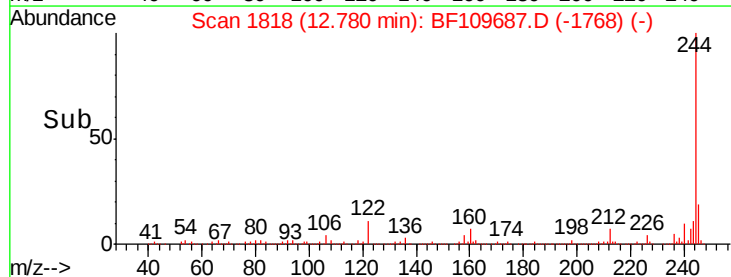
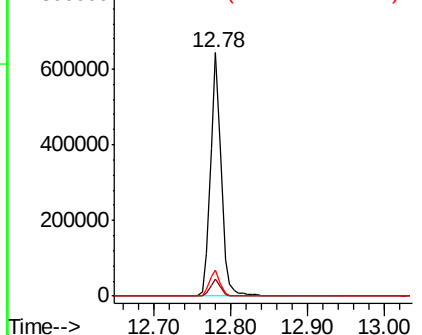


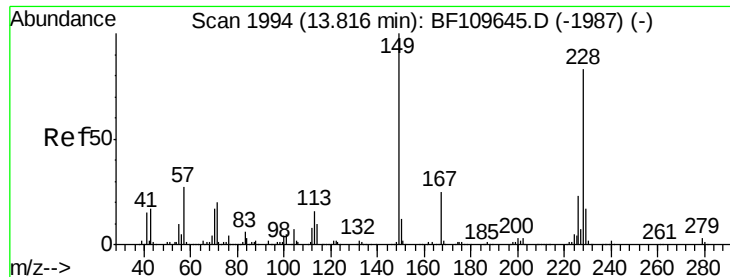
Abundance

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

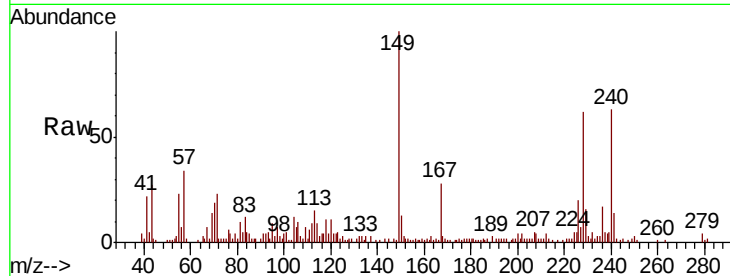




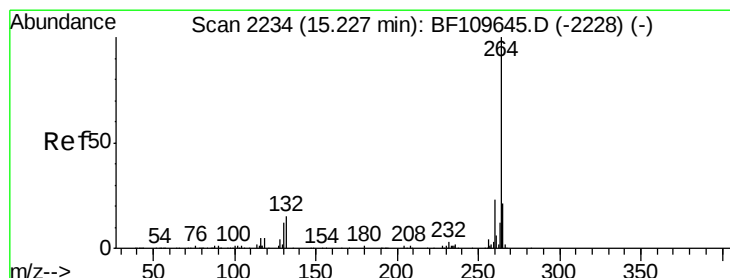
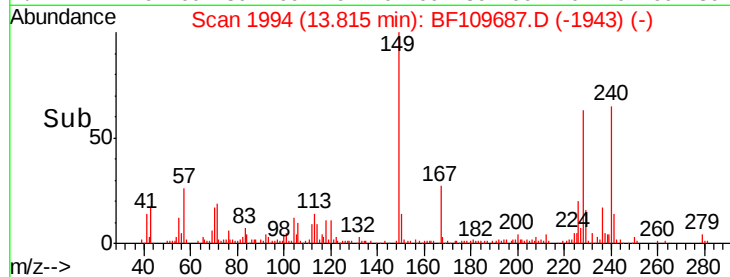
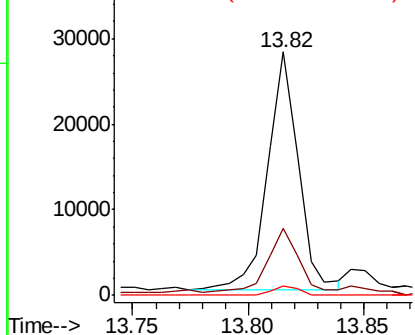
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.234 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.00 min
 Lab File: BF109687.D
 Acq: 9 Oct 2018 10:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 25856
 Ion Ratio Lower Upper
 149 100
 167 27.6 19.8 29.8
 279 3.9 2.7 4.1

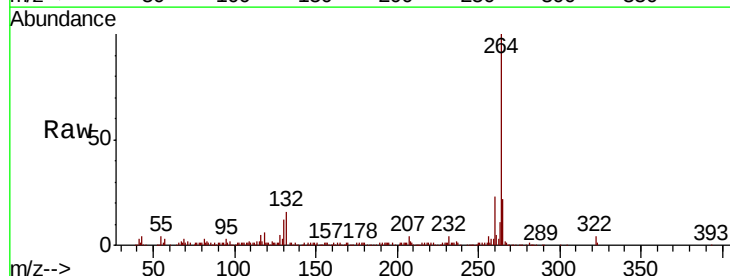


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

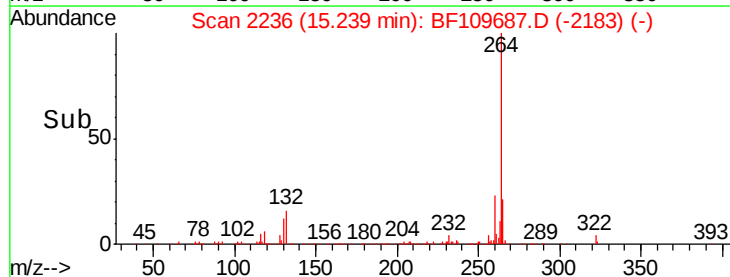
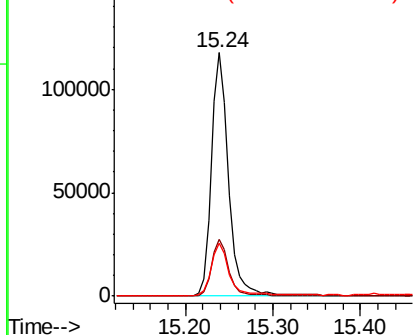


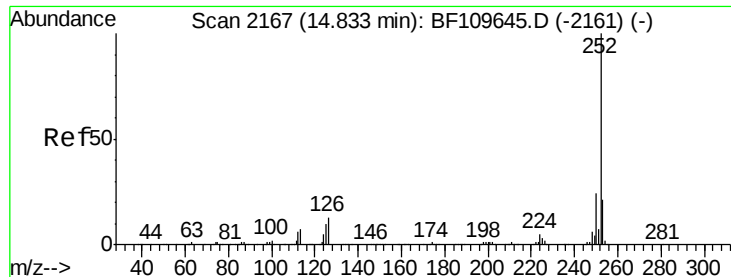
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. 0.01 min
 Lab File: BF109687.D
 Acq: 9 Oct 2018 10:14

Tgt Ion:264 Resp: 160498
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.8 16.7 25.1



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





#87

Benzo(b)fluoranthene

Concen: 3.244 ng

RT: 14.85 min Scan# 2170

Delta R.T. 0.02 min

Lab File: BF109687.D

Acq: 9 Oct 2018 10:14

Instrument :

BNA_F

ClientSampleId :

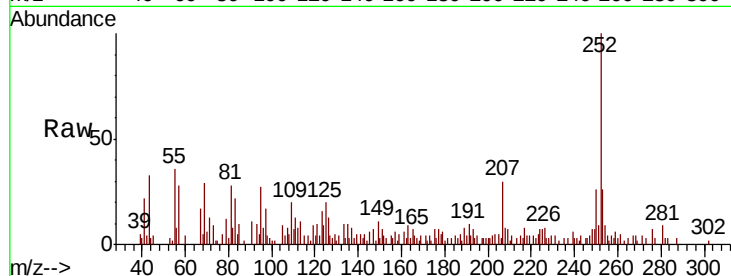
Tot Ion:252 Resp: 28771

Ion Ratio Lower Upper

252 100

253 25.8 17.2 25.8

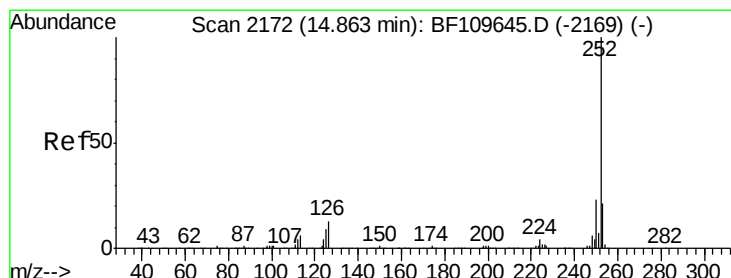
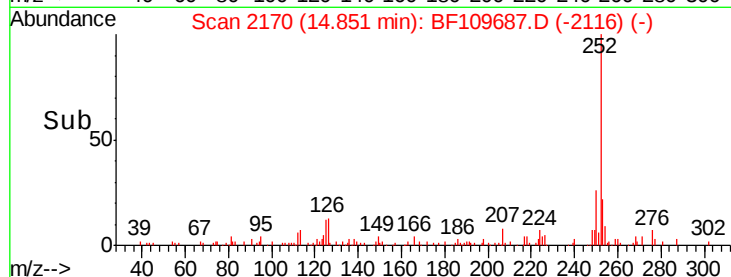
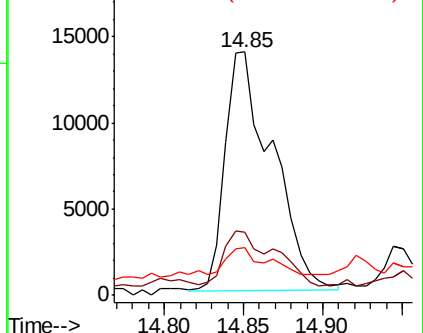
125 19.8 8.2 12.4#



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



#88

Benzo(k)fluoranthene

Concen: 3.228 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BF109687.D

Acq: 9 Oct 2018 10:14

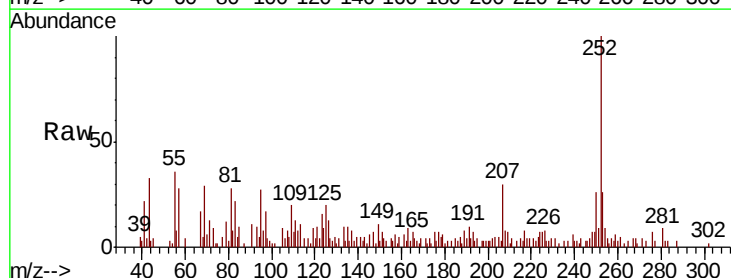
Tgt Ion:252 Resp: 28771

Ion Ratio Lower Upper

252 100

253 25.8 17.2 25.8

125 19.8 7.4 11.0#



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

