

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100918\
 Data File : BF109704.D
 Acq On : 9 Oct 2018 19:31
 Operator : JU/SJ
 Sample : J5201-05 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-C

Quant Time: Oct 10 03:06:55 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

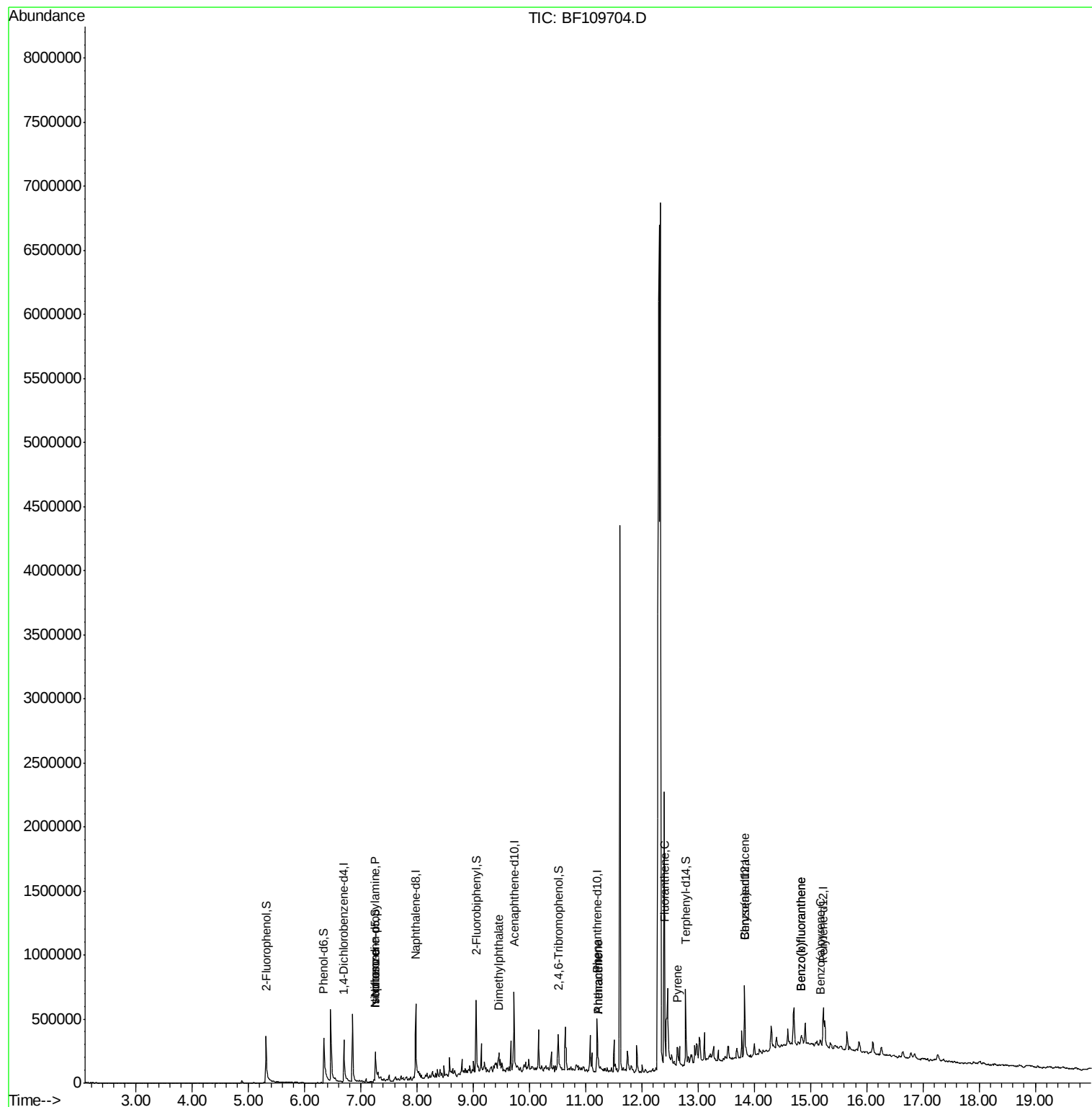
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	81059	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	322039	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	126257	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	214756	20.00	ng	0.00
75) Chrysene-d12	13.83	240	214516	20.00	ng	0.00
86) Perylene-d12	15.23	264	164461	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	180388	39.50	ng	-0.01
7) Phenol-d6	6.34	99	274518	45.00	ng	-0.02
23) Nitrobenzene-d5	7.26	82	160080	27.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	47472	34.51	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	254543	27.77	ng	0.00
78) Terphenyl-d14	12.78	244	209043	18.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	23296	5.445	ng	# 77
25) Isophorone	7.26	82	160080	16.501	ng	# 67
49) Dimethylphthalate	9.45	163	28747	3.105	ng	# 99
70) Phenanthrene	11.23	178	25450	2.368	ng	96
71) Anthracene	11.23	178	25450	2.291	ng	96
74) Fluoranthene	12.41	202	59000	5.255	ng	95
77) Pyrene	12.64	202	53096	3.378	ng	97
80) Benzo(a)anthracene	13.82	228	24321	2.055	ng	# 92
87) Benzo(b)fluoranthene	14.84	252	38237	4.207	ng	# 79
88) Benzo(k)fluoranthene	14.84	252	38237	4.187	ng	# 78
89) Benzo(a)pyrene	15.17	252	18961	2.299	ng	# 76

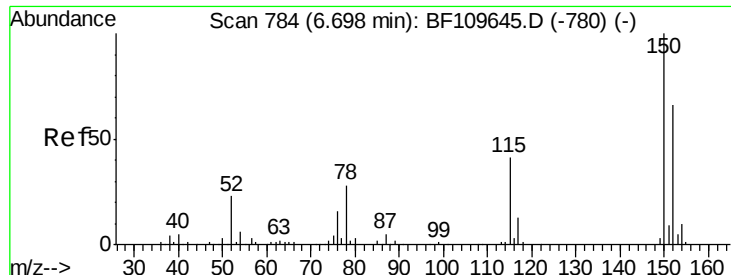
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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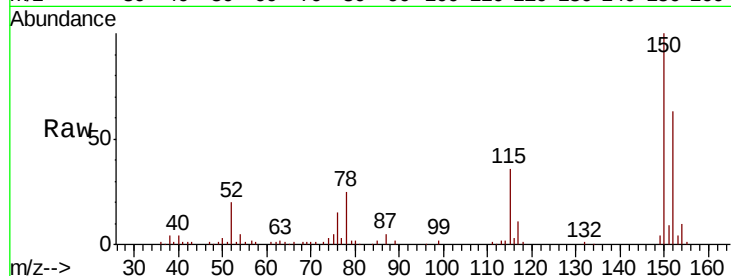




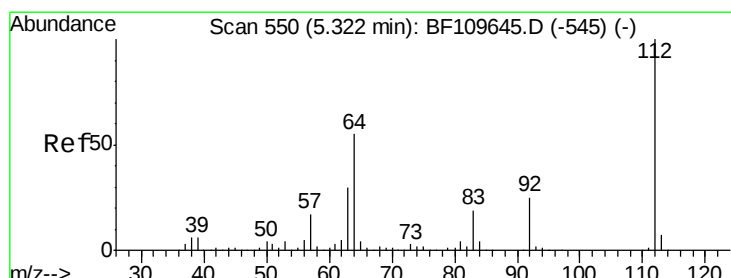
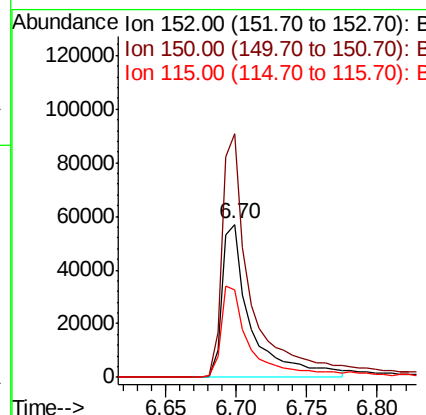
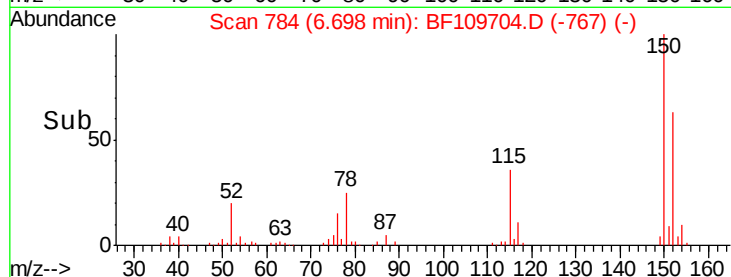
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: BF109704.D
 Acq: 9 Oct 2018 19:31

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-C

Tgt Ion:152 Resp: 81059
 Ion Ratio Lower Upper
 152 100
 150 159.1 122.7 184.1
 115 57.5 49.1 73.7

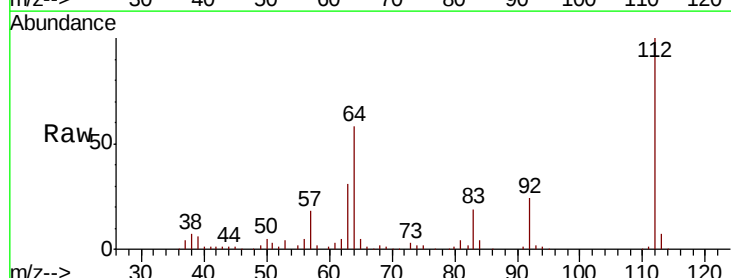


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

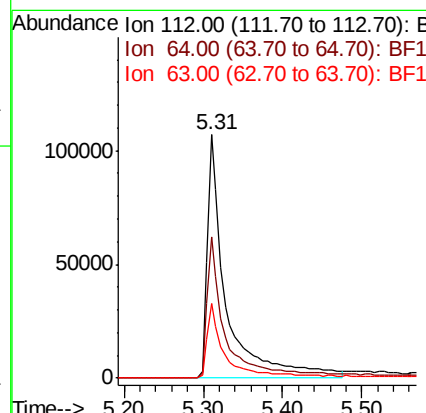
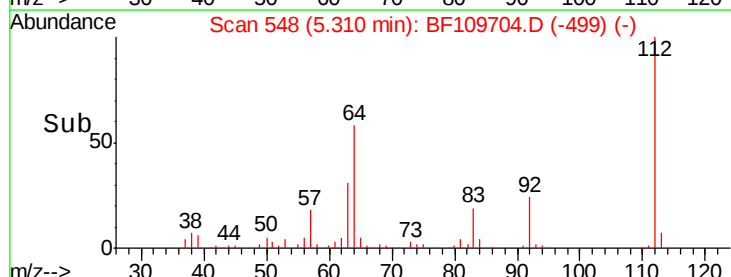


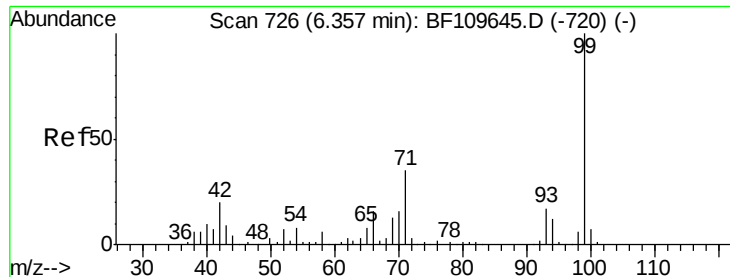
#5
 2-Fluorophenol
 Concen: 39.501 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109704.D
 Acq: 9 Oct 2018 19:31

Tgt Ion:112 Resp: 180388
 Ion Ratio Lower Upper
 112 100
 64 57.8 44.1 66.1
 63 30.9 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: 44.999 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109704.D

Acq: 9 Oct 2018 19:31

Instrument :

BNA_F

ClientSampleId :

EO-02-100818-C

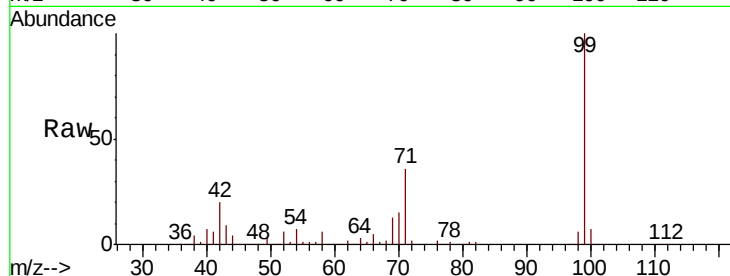
Tgt Ion: 99 Resp: 274518

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

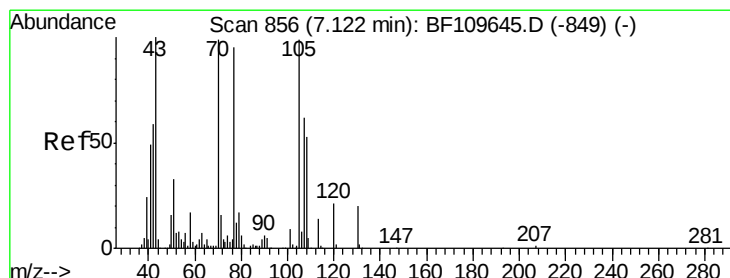
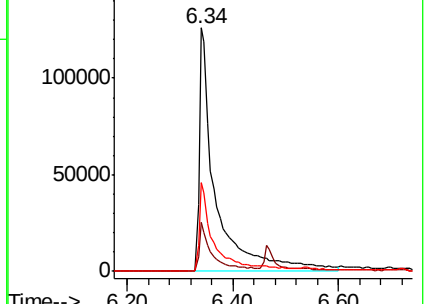
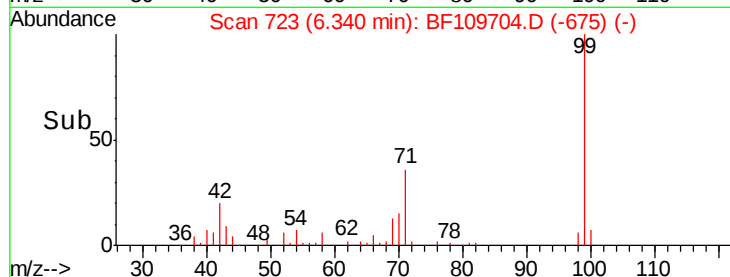
71 36.4 28.0 42.0



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: 5.445 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109704.D

Acq: 9 Oct 2018 19:31

Tgt Ion: 70 Resp: 23296

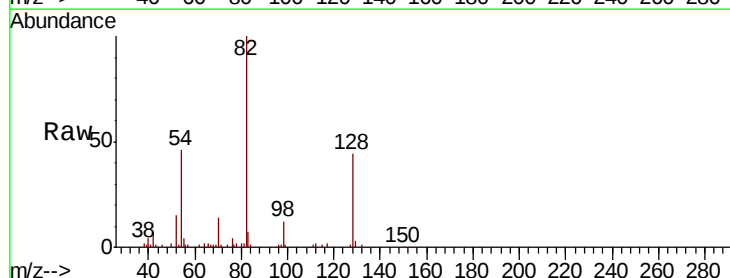
Ion Ratio Lower Upper

70 100

42 48.1 47.4 71.2

101 0.0 7.3 10.9#

130 0.0 16.2 24.2#

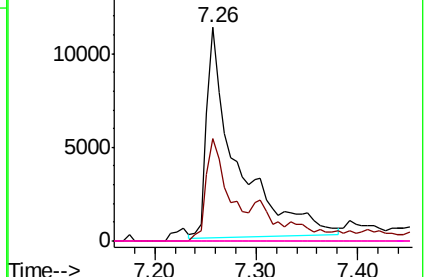
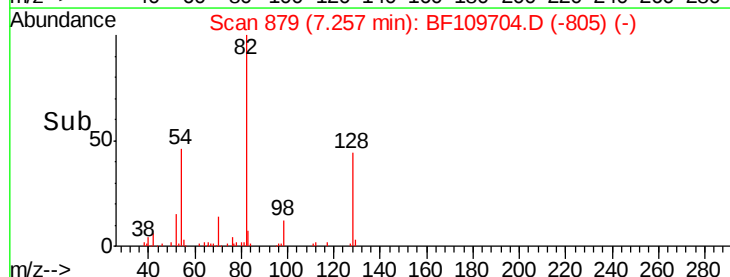


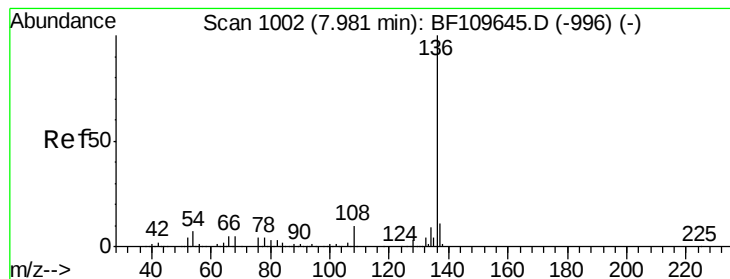
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109704.D

Acq: 9 Oct 2018 19:31

Instrument :

BNA_F

ClientSampleId :

EO-02-100818-C

Tgt Ion: 136 Resp: 322039

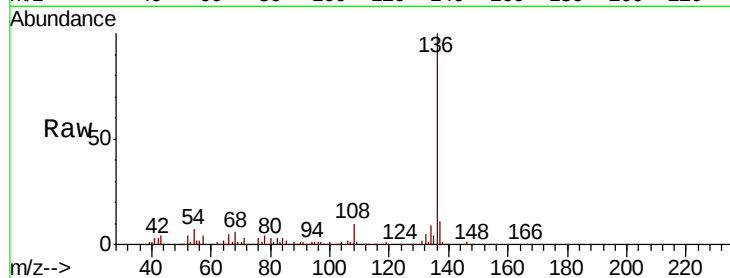
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.9 5.4 8.2

68 5.6 4.2 6.2

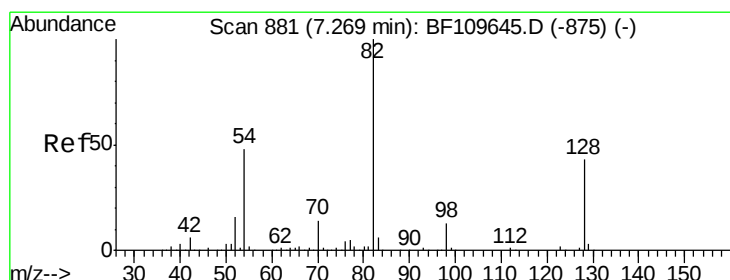
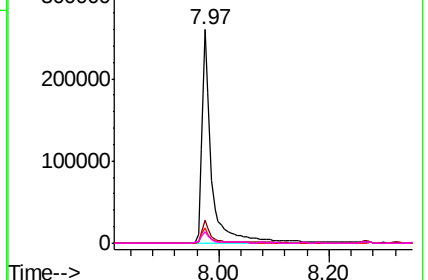
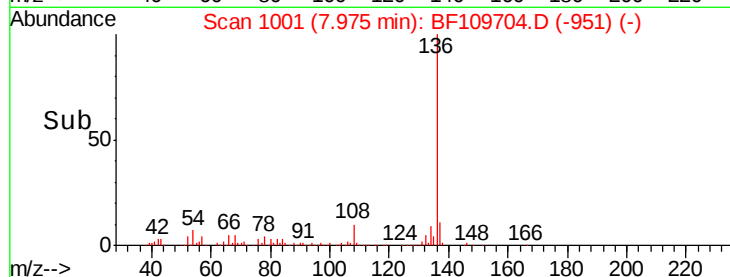


Abundance Ion 136.00 (135.70 to 136.70): E

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: 27.401 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109704.D

Acq: 9 Oct 2018 19:31

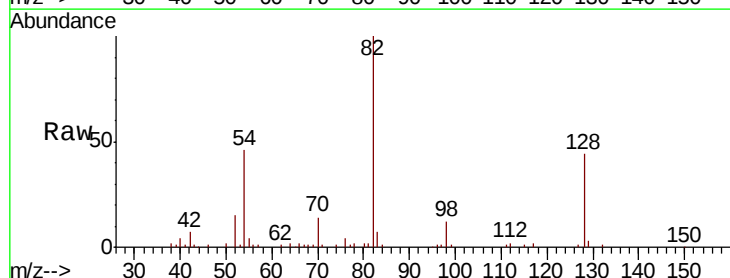
Tgt Ion: 82 Resp: 160080

Ion Ratio Lower Upper

82 100

128 44.1 34.2 51.2

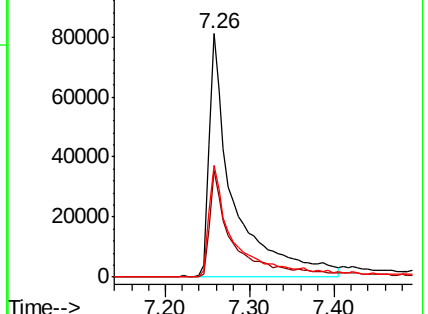
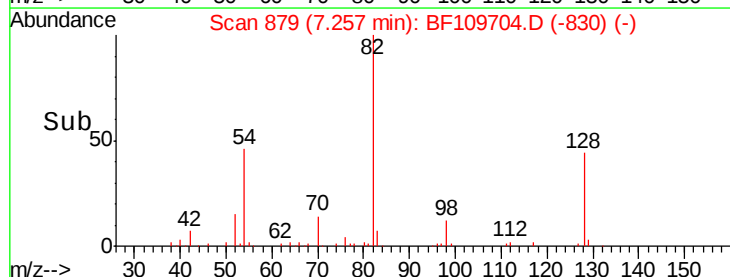
54 46.0 38.6 58.0

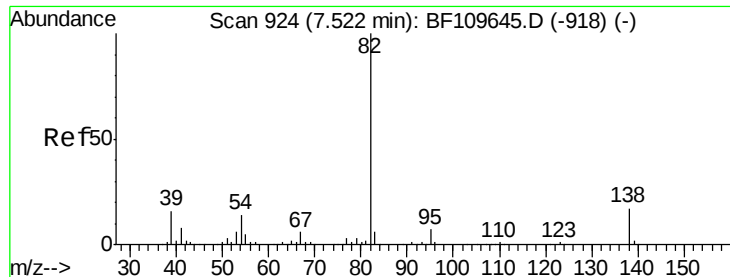


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.501 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109704.D

Acq: 9 Oct 2018 19:31

Instrument :

BNA_F

ClientSampleId :

EO-02-100818-C

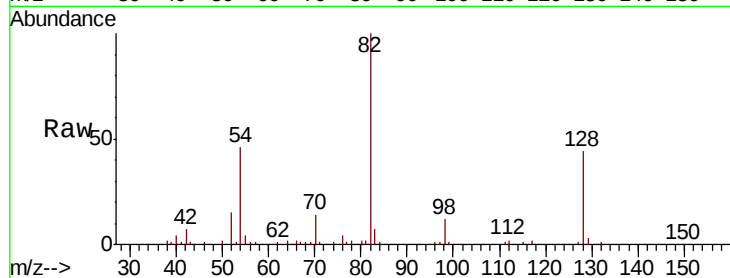
Tgt Ion: 82 Resp: 160080

Ion Ratio Lower Upper

82 100

95 0.5 5.7 8.5#

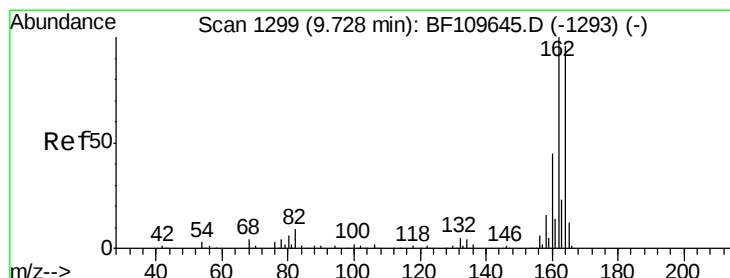
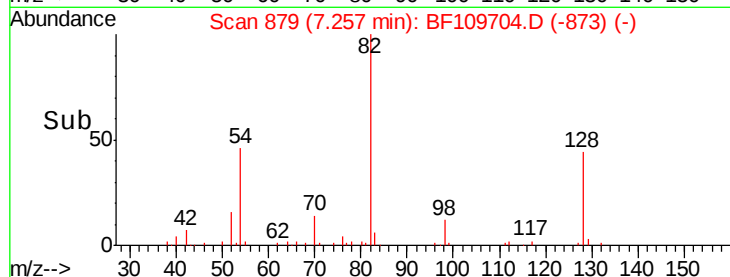
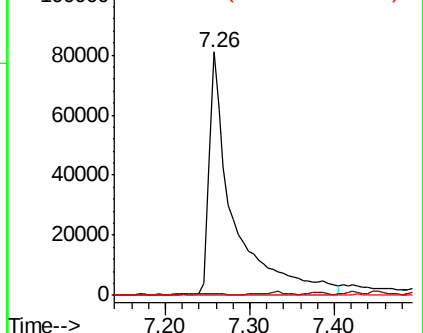
138 0.0 13.2 19.8#



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: BF109704.D

Acq: 9 Oct 2018 19:31

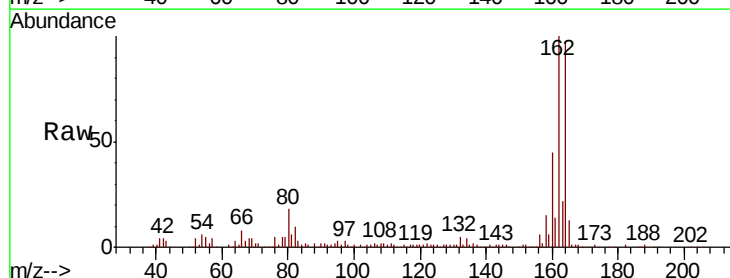
Tgt Ion: 164 Resp: 126257

Ion Ratio Lower Upper

164 100

162 103.6 83.0 124.6

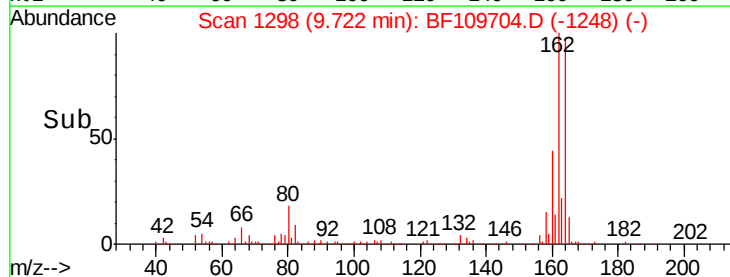
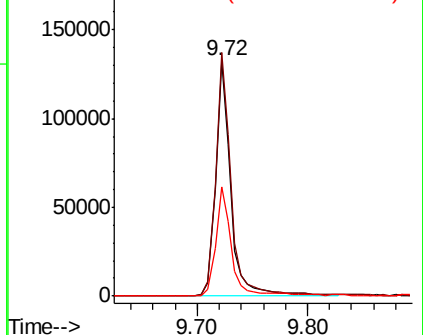
160 46.3 37.0 55.6

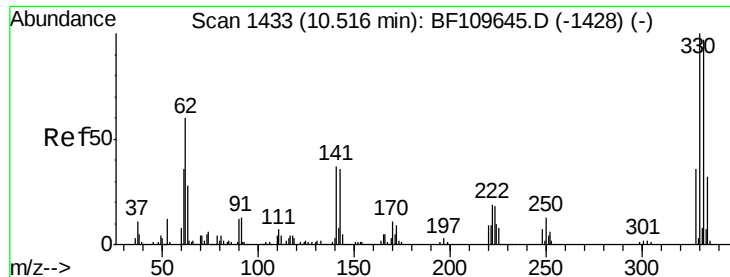


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

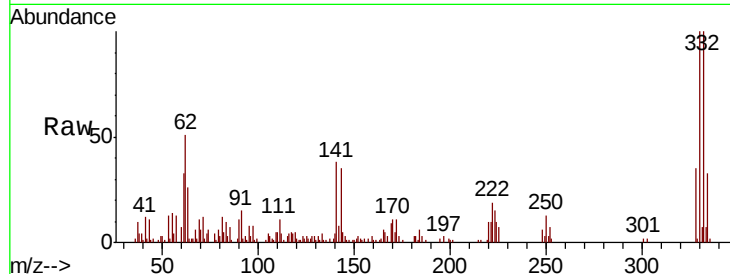




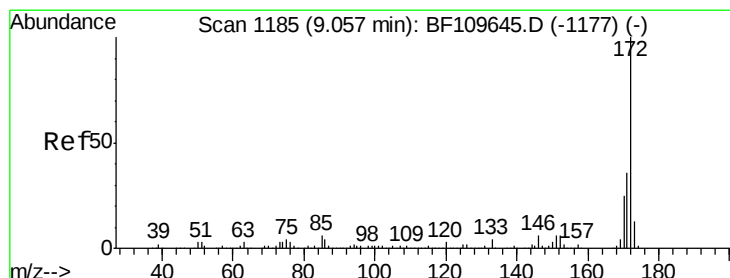
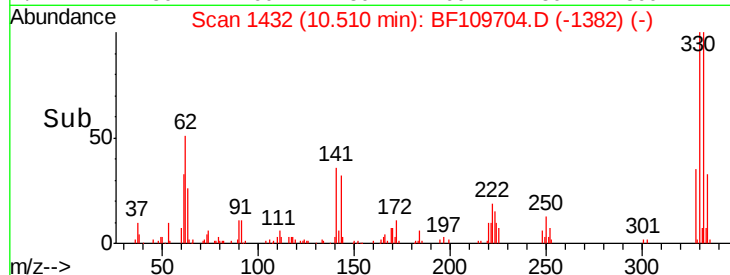
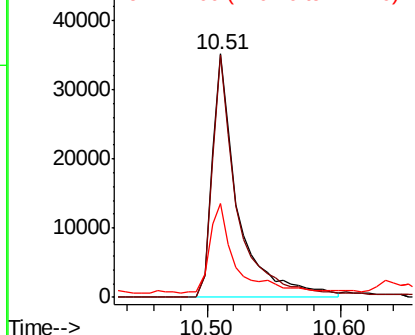
#41
 2,4,6-Tribromophenol
 Concen: 34.507 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109704.D
 Acq: 9 Oct 2018 19:31

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-C

Tgt Ion:330 Resp: 47472
 Ion Ratio Lower Upper
 330 100
 332 99.8 77.1 115.7
 141 37.0 27.0 40.4

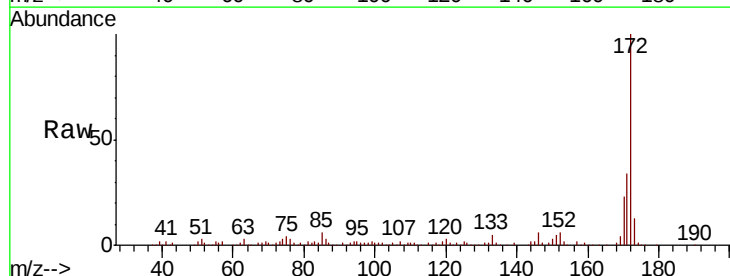


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

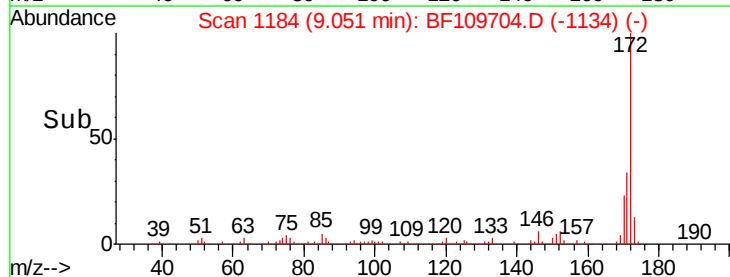
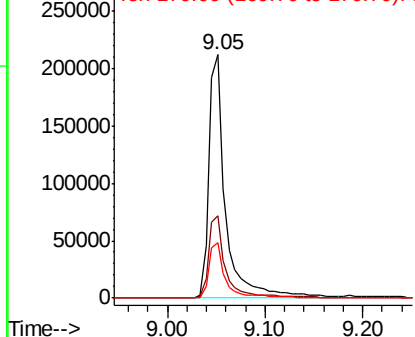


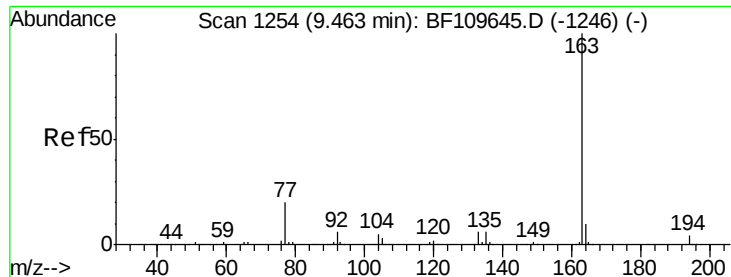
#44
 2-Fluorobiphenyl
 Concen: 27.766 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109704.D
 Acq: 9 Oct 2018 19:31

Tgt Ion:172 Resp: 254543
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.6 43.0
 170 22.9 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

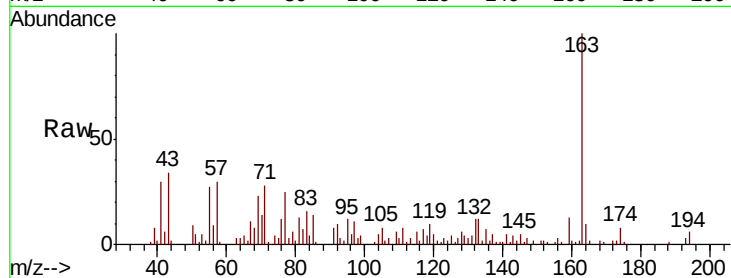




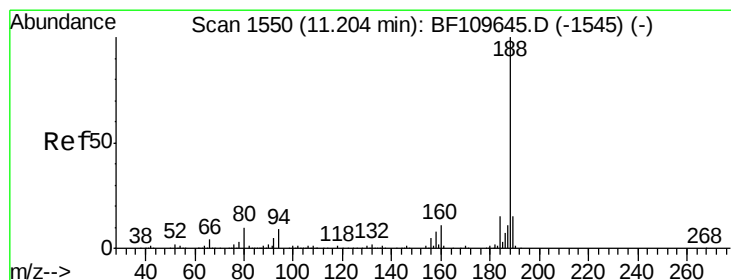
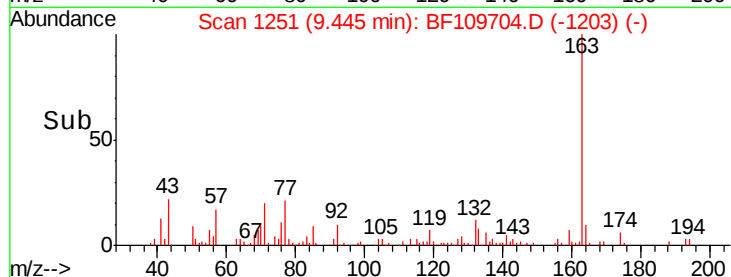
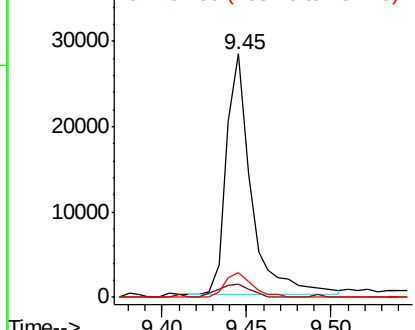
#49
Dimethylphthalate
Concen: 3.105 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109704.D
Acq: 9 Oct 2018 19:31

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-C

Tgt Ion:163 Resp: 28747
Ion Ratio Lower Upper
163 100
194 5.5 3.2 4.8#
164 10.2 8.1 12.1

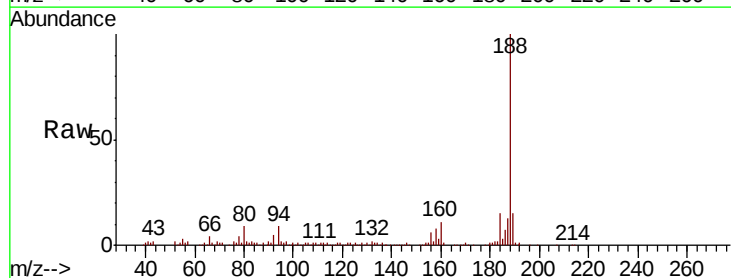


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

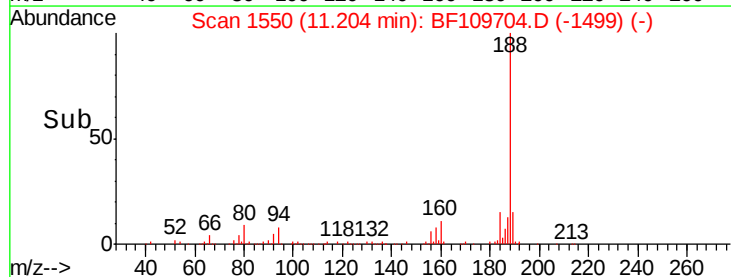
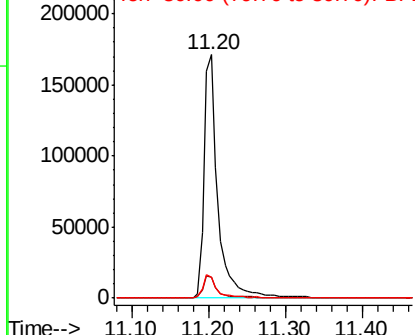


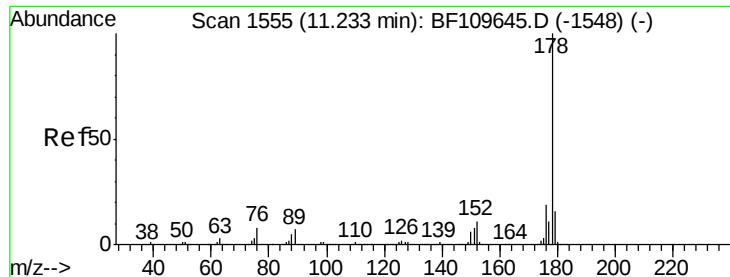
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF109704.D
Acq: 9 Oct 2018 19:31

Tgt Ion:188 Resp: 214756
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 8.7 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 2.368 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF109704.D

Acq: 9 Oct 2018 19:31

Instrument :

BNA_F

ClientSampleId :

EO-02-100818-C

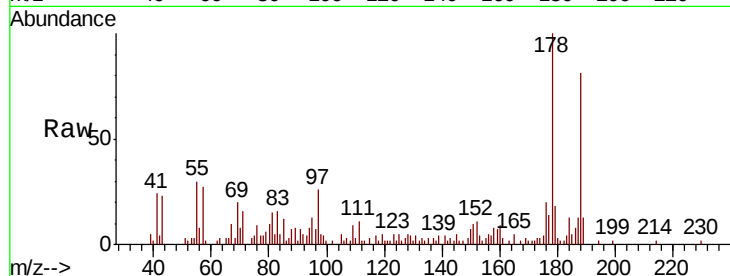
Tgt Ion:178 Resp: 25450

Ion Ratio Lower Upper

178 100

176 20.3 15.5 23.3

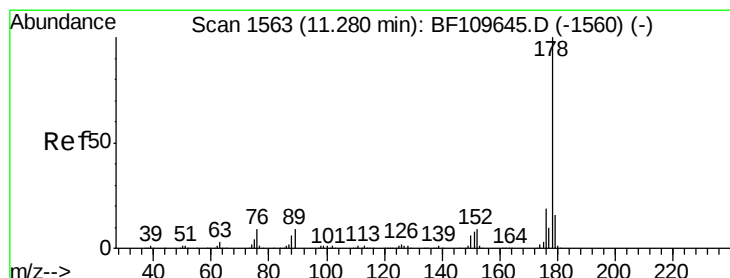
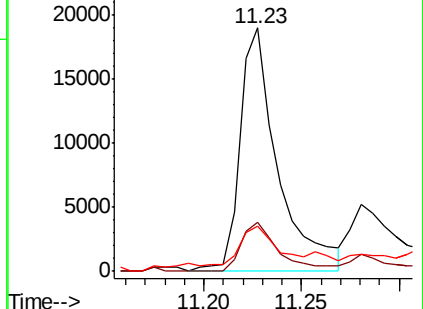
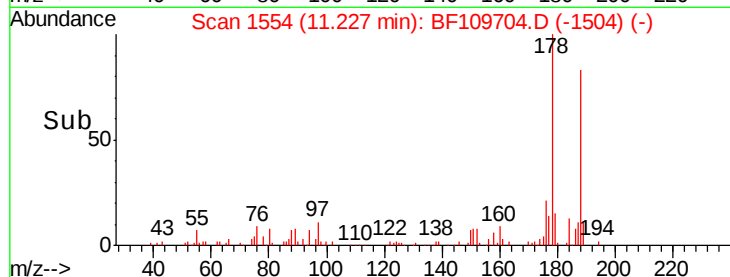
179 18.4 12.5 18.7



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



#71

Anthracene

Concen: 2.291 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.05 min

Lab File: BF109704.D

Acq: 9 Oct 2018 19:31

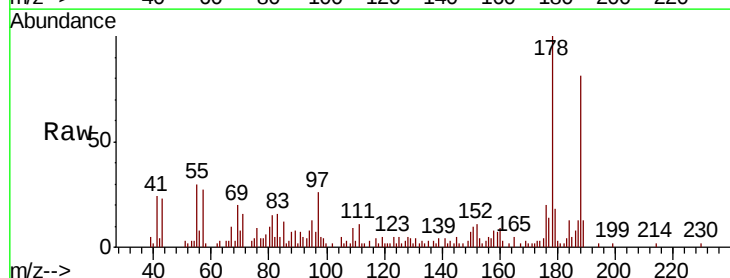
Tgt Ion:178 Resp: 25450

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

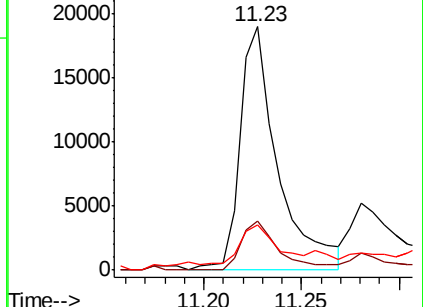
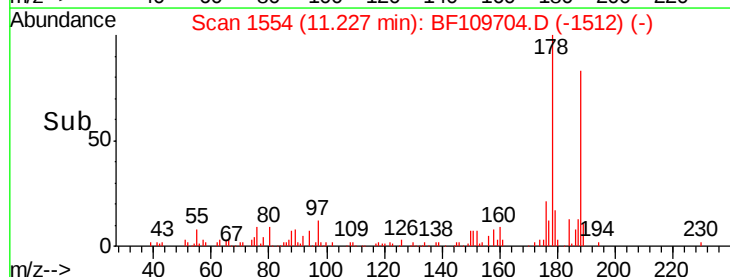
179 18.4 12.6 18.8

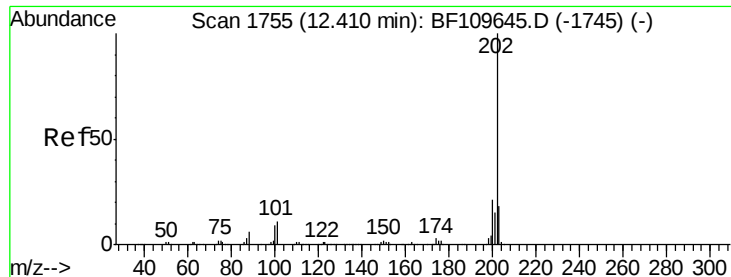


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

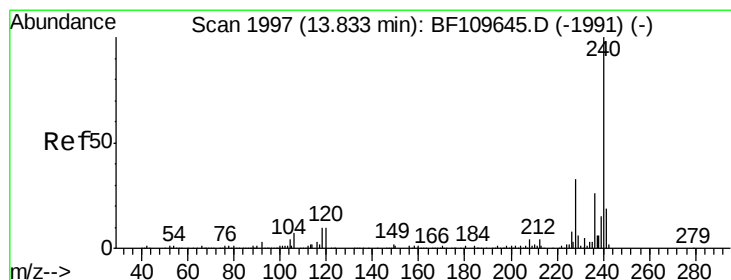
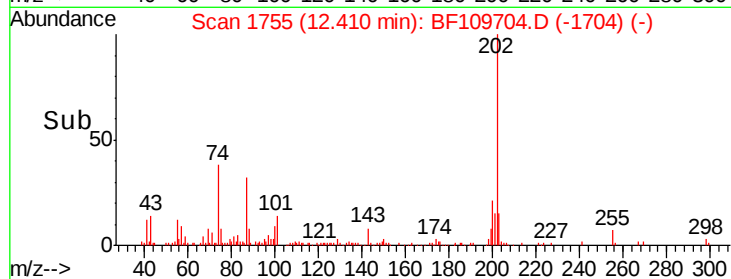
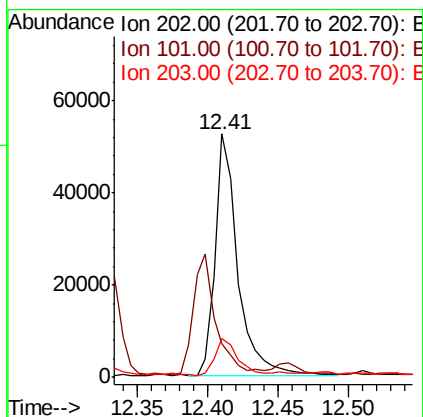
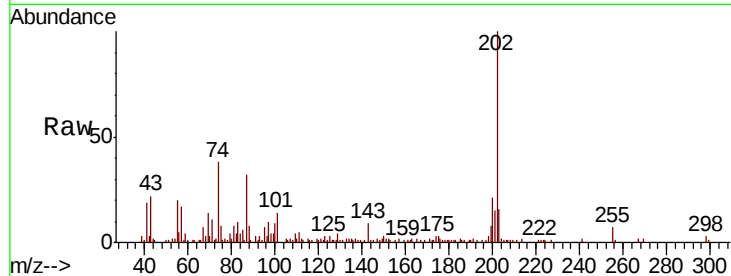




#74
Fluoranthene
Concen: 5.255 ng
RT: 12.41 min Scan# 1755
Delta R.T. 0.00 min
Lab File: BF109704.D
Acq: 9 Oct 2018 19:31

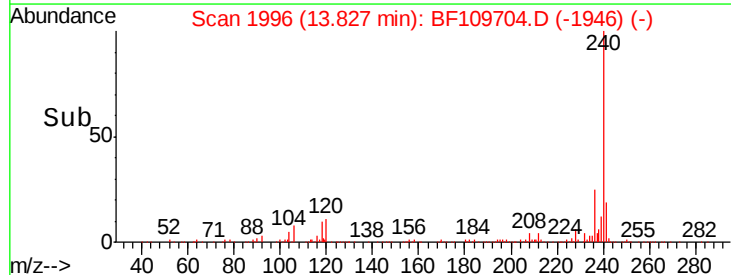
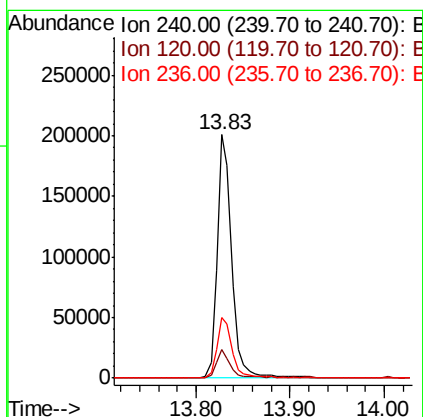
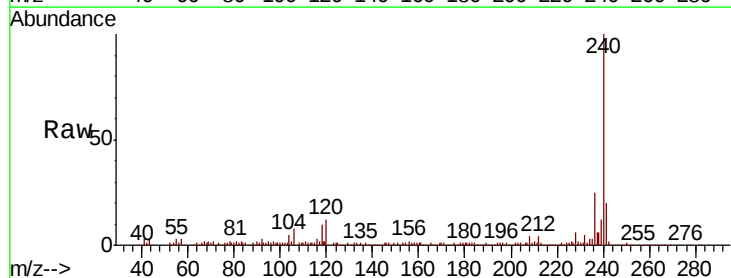
Instrument :
BNA_F
ClientSampleId :
EO-02-100818-C

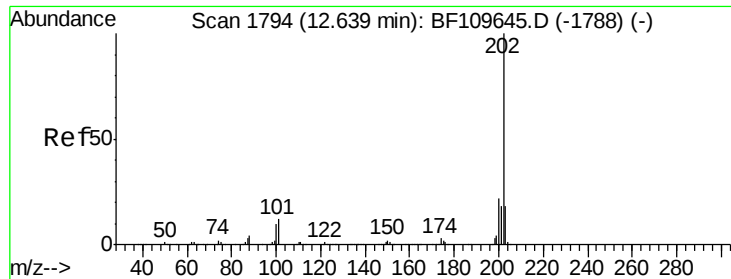
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	31.4
203	16.2	0.0	37.7



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109704.D
Acq: 9 Oct 2018 19:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.3	12.5
236	24.7	21.2	31.8





#77

Pyrene

Concen: 3.378 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF109704.D

Acq: 9 Oct 2018 19:31

Instrument :

BNA_F

ClientSampleId :

EO-02-100818-C

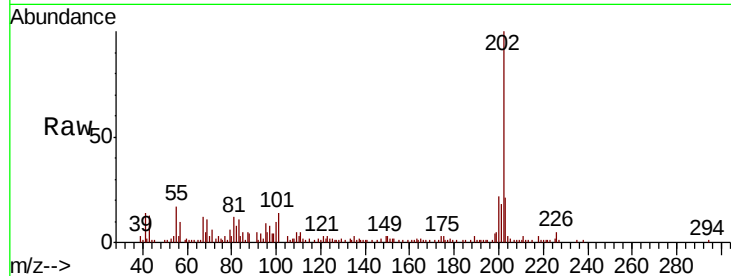
Tgt Ion:202 Resp: 53096

Ion Ratio Lower Upper

202 100

200 21.8 17.8 26.6

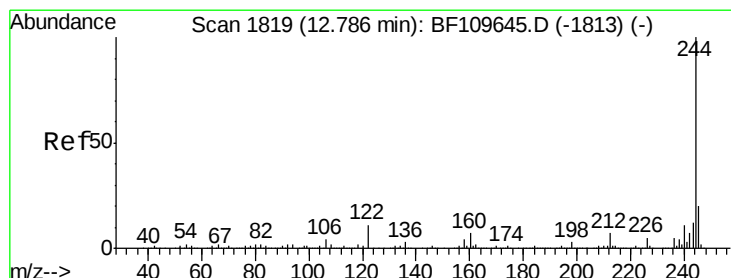
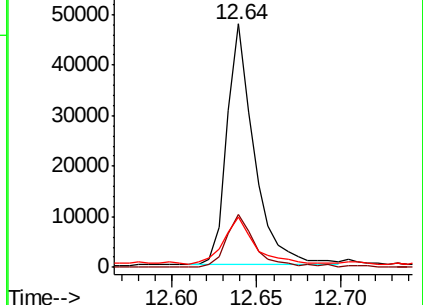
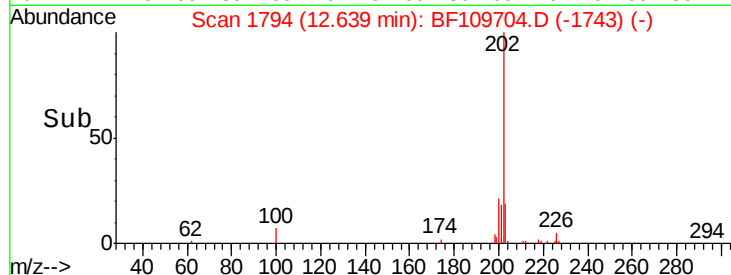
203 20.6 14.2 21.4



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: 18.864 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109704.D

Acq: 9 Oct 2018 19:31

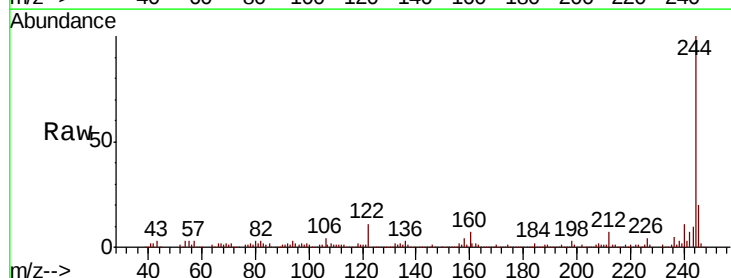
Tgt Ion:244 Resp: 209043

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

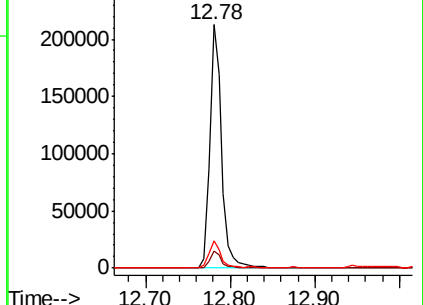
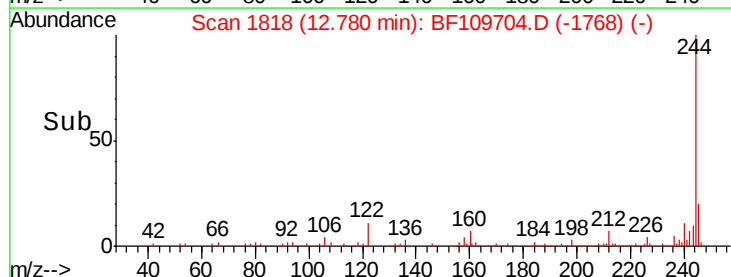
122 11.3 8.7 13.1

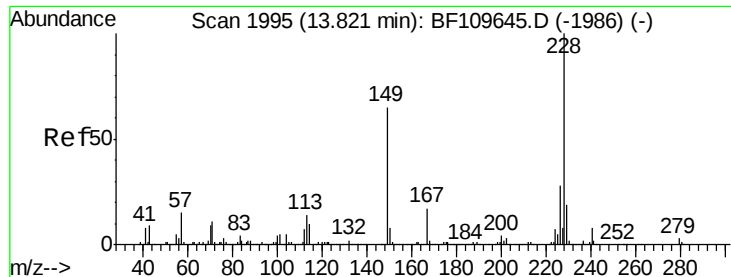


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

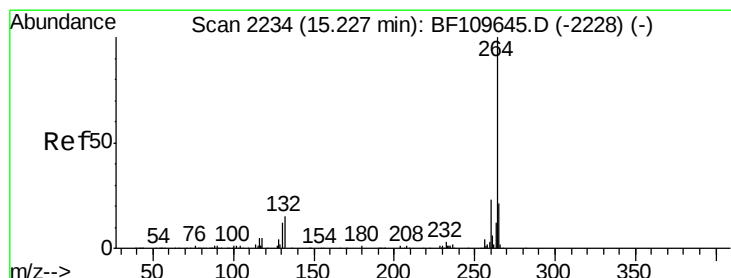
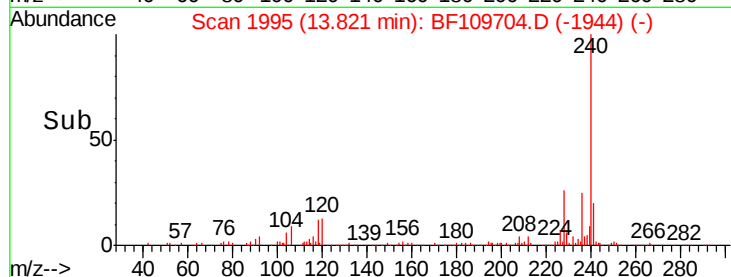
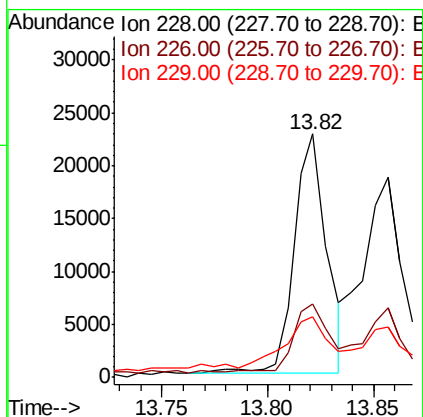
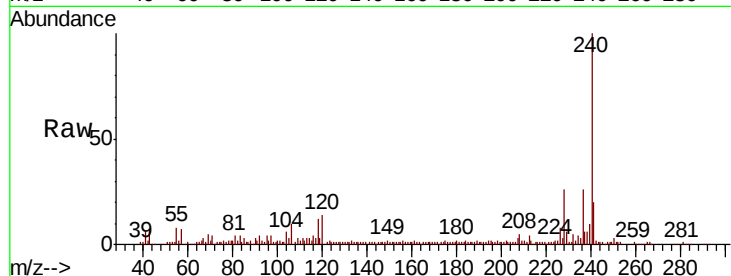




#80
Benzo(a)anthracene
Concen: 2.055 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF109704.D
Acq: 9 Oct 2018 19:31

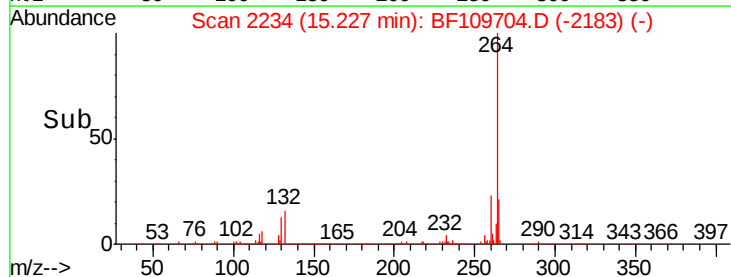
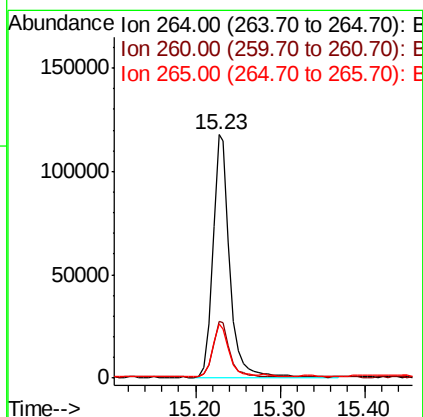
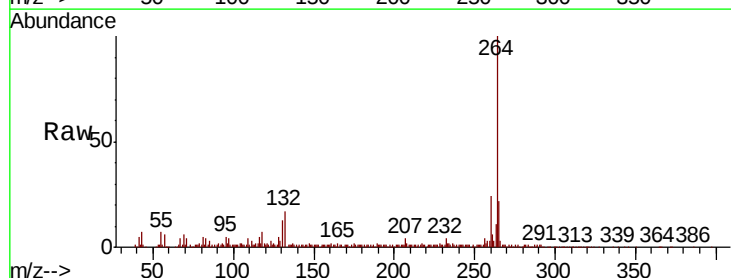
Instrument :
BNA_F
ClientSampleId :
EO-02-100818-C

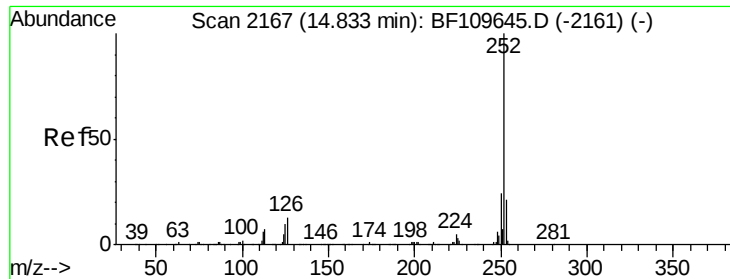
Tgt Ion:228 Resp: 24321
Ion Ratio Lower Upper
228 100
226 30.1 22.1 33.1
229 24.7 15.6 23.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF109704.D
Acq: 9 Oct 2018 19:31

Tgt Ion:264 Resp: 164461
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 22.2 16.7 25.1

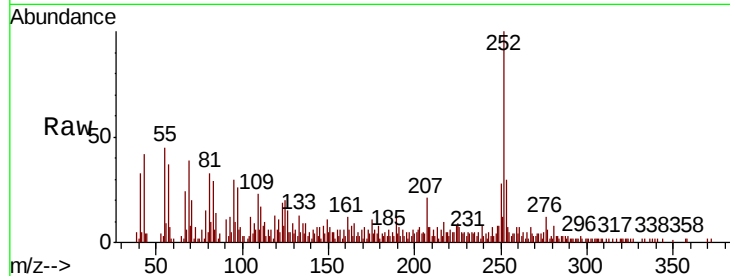




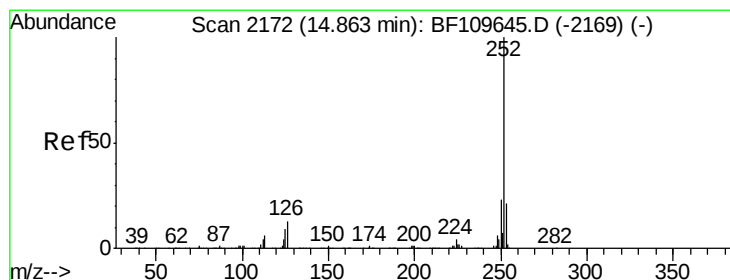
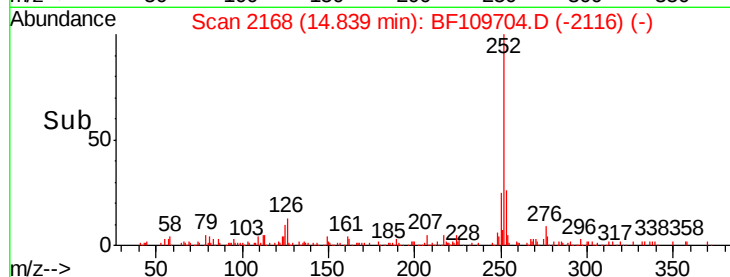
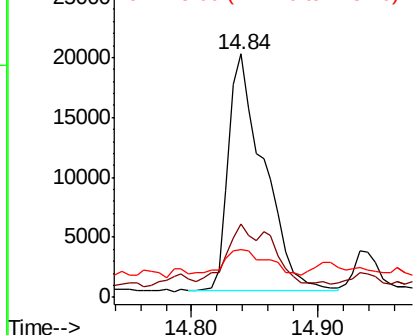
#87
Benzo(b)fluoranthene
Concen: 4.207 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109704.D
Acq: 9 Oct 2018 19:31

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-C

Tgt Ion:252 Resp: 38237
Ion Ratio Lower Upper
252 100
253 30.2 17.2 25.8#
125 19.6 8.2 12.4#

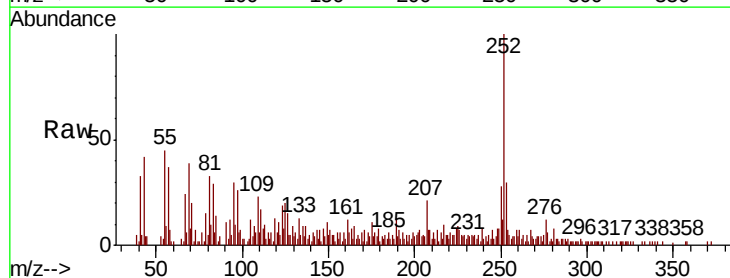


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

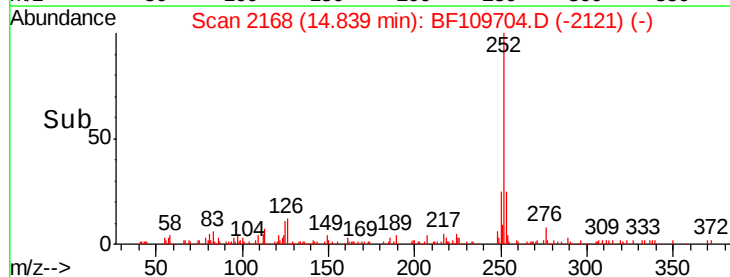
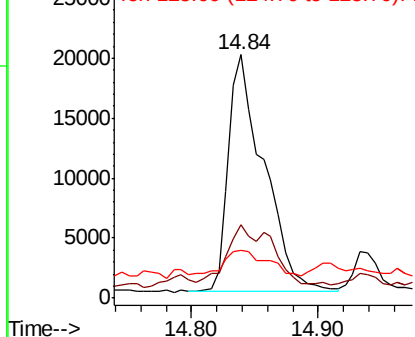


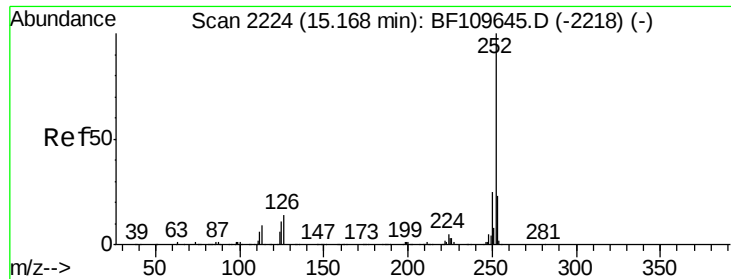
#88
Benzo(k)fluoranthene
Concen: 4.187 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109704.D
Acq: 9 Oct 2018 19:31

Tgt Ion:252 Resp: 38237
Ion Ratio Lower Upper
252 100
253 30.2 17.2 25.8#
125 19.6 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





#89

Benzo(a)pyrene

Concen: 2.299 ng

RT: 15.17 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BF109704.D

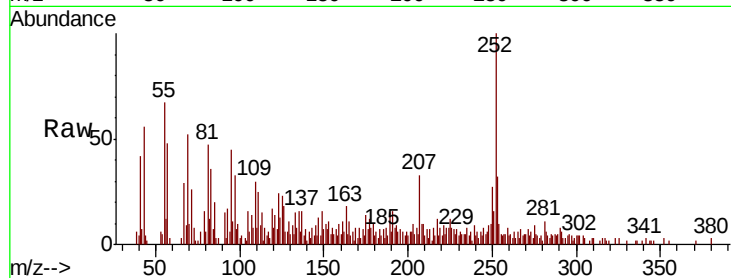
Acq: 9 Oct 2018 19:31

Instrument :

BNA_F

ClientSampleId :

EO-02-100818-C



Tgt Ion:	252	Resp:	18961
Ion	Ratio	Lower	Upper
252	100		
253	32.4	18.2	27.4#
125	23.2	9.0	13.6#

