

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101118\
 Data File : BF109802.D
 Acq On : 11 Oct 2018 22:27
 Operator : JU/SJ
 Sample : J5394-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

Quant Time: Oct 12 04:27:35 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	73208	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	296131	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	125657	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	202304	20.00	ng	0.00
75) Chrysene-d12	13.83	240	199941	20.00	ng	0.00
86) Perylene-d12	15.23	264	227535	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	399518	96.87	ng	-0.01
7) Phenol-d6	6.34	99	576448	104.63	ng	-0.02
23) Nitrobenzene-d5	7.26	82	374220	69.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	108233	79.05	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	619503	67.90	ng	-0.01
78) Terphenyl-d14	12.77	244	443428	42.93	ng	-0.01

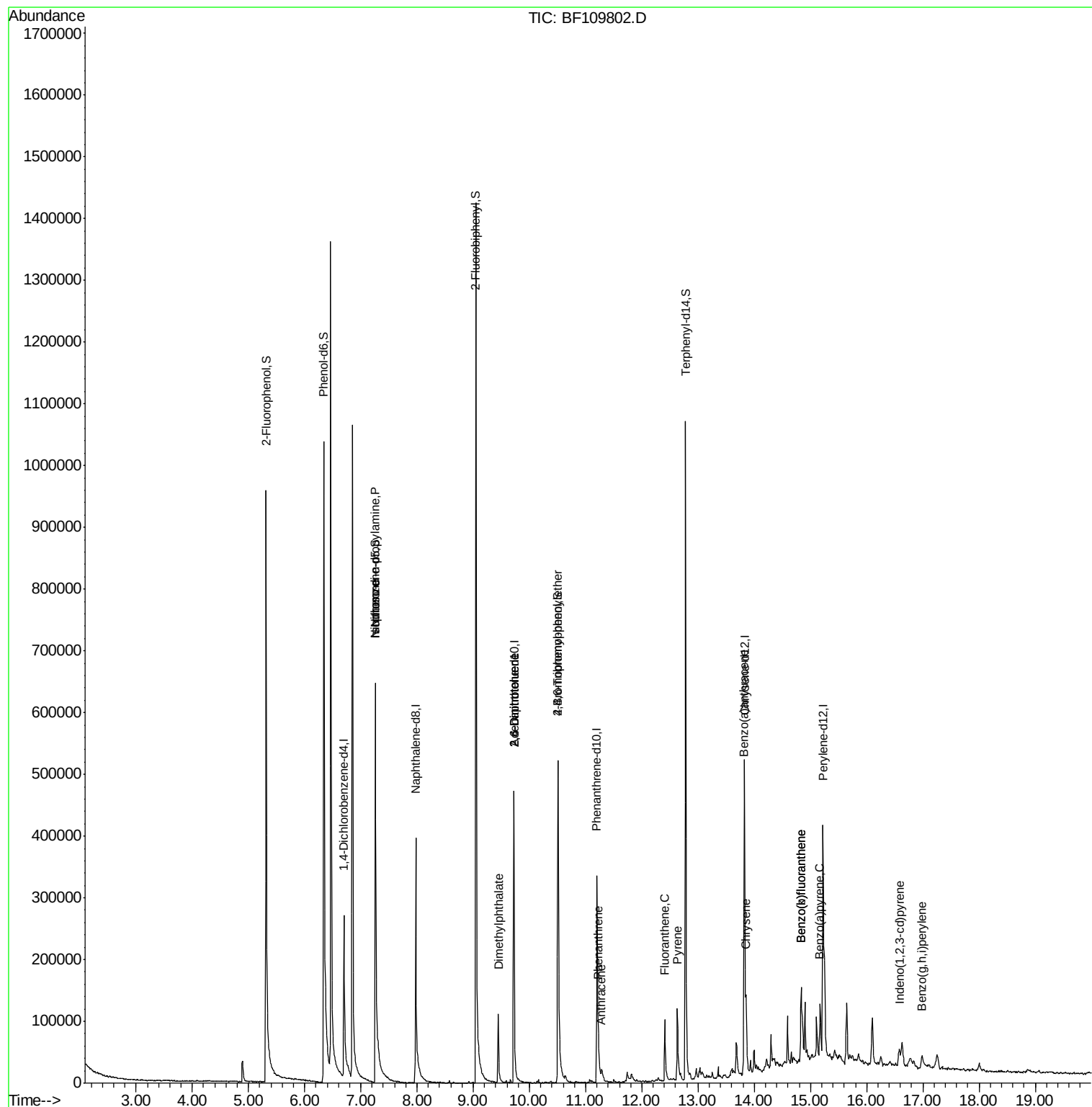
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	43705	11.312	ng	# 78
25) Isophorone	7.26	82	383969	43.042	ng	# 67
49) Dimethylphthalate	9.45	163	65864	7.147	ng	99
50) 2,6-Dinitrotoluene	9.72	165	15275	7.646	ng	# 21
56) 2,4-Dinitrotoluene	9.72	165	15275	6.127	ng	# 17
66) 4-Bromophenyl-phenylether	10.51	248	6071	2.612	ng	# 1
70) Phenanthrene	11.23	178	24303	2.401	ng	97
71) Anthracene	11.29	178	21219	2.028	ng	97
74) Fluoranthene	12.41	202	72507	6.855	ng	99
77) Pyrene	12.63	202	68002	4.642	ng	97
80) Benzo(a)anthracene	13.82	228	51455	4.664	ng	96
82) Chrysene	13.86	228	50906	4.392	ng	96
85) Indeno(1,2,3-cd)pyrene	16.58	276	28358	3.419	ng	# 88
87) Benzo(b)fluoranthene	14.83	252	100469	7.990	ng	95
88) Benzo(k)fluoranthene	14.83	252	100469	7.952	ng	94
89) Benzo(a)pyrene	15.17	252	54659	4.790	ng	96
91) Benzo(g,h,i)perylene	16.99	276	22647	2.420	ng	# 94

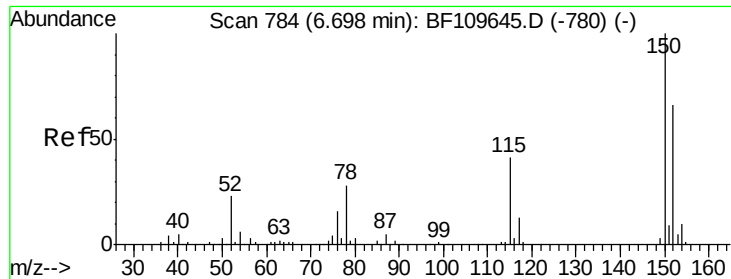
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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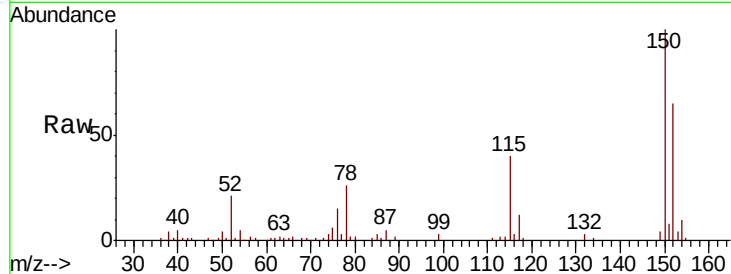


#1

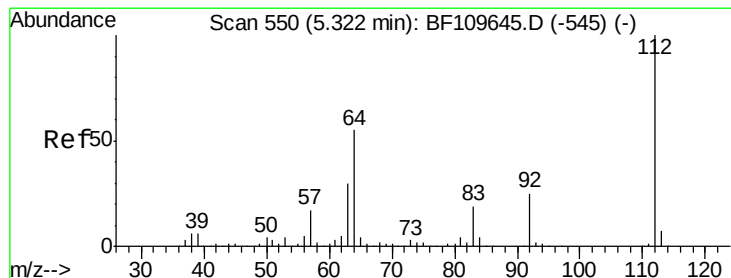
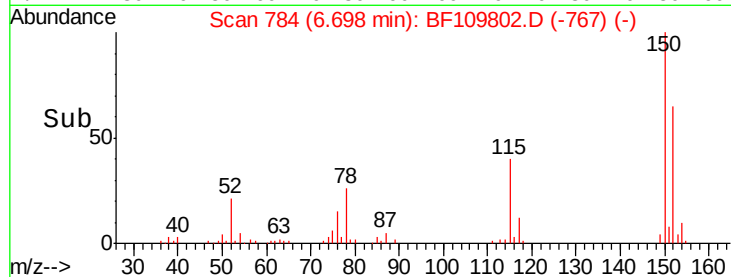
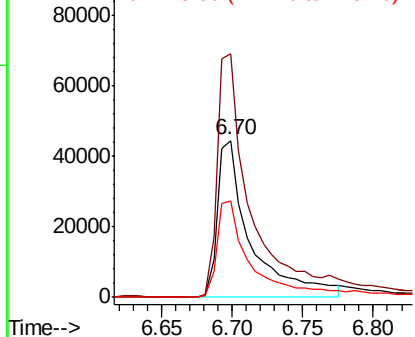
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tgt Ion:152 Resp: 73208
Ion Ratio Lower Upper
152 100
150 154.9 122.7 184.1
115 61.6 49.1 73.7



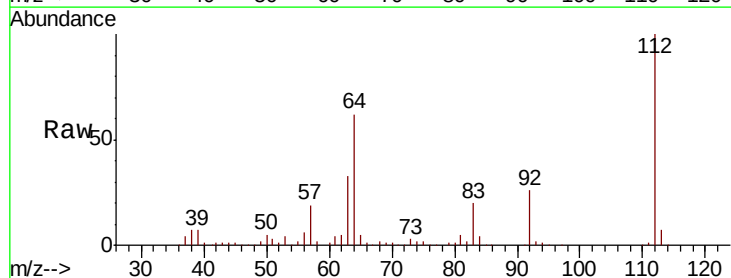
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



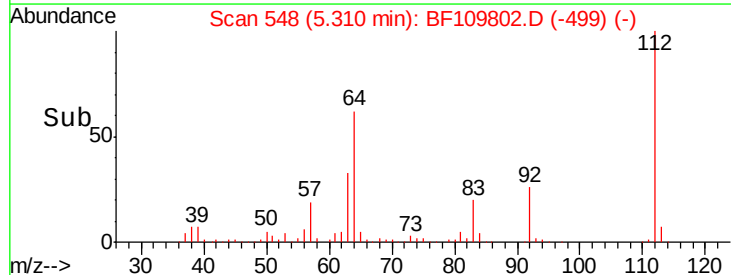
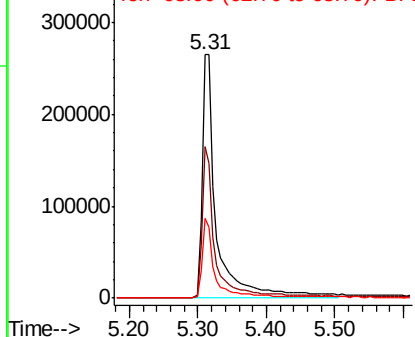
#5

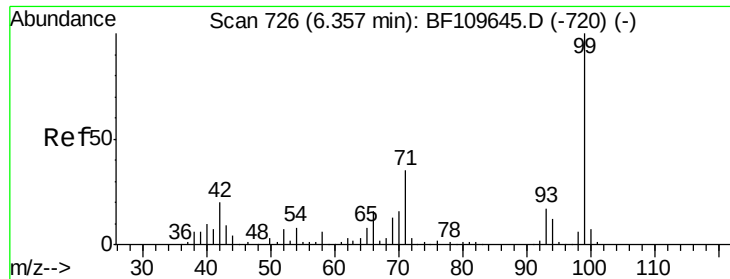
2-Fluorophenol
Concen: 96.869 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

Tgt Ion:112 Resp: 399518
Ion Ratio Lower Upper
112 100
64 62.2 44.1 66.1
63 32.6 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: 104.626 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109802.D

Acq: 11 Oct 2018 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-027-B

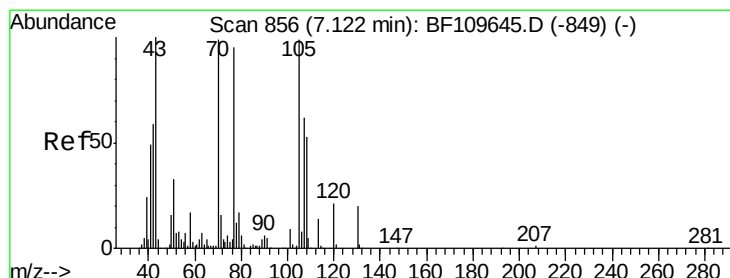
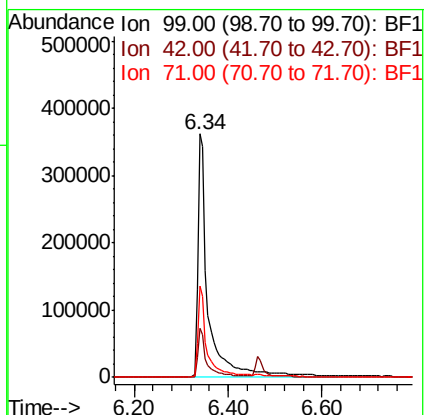
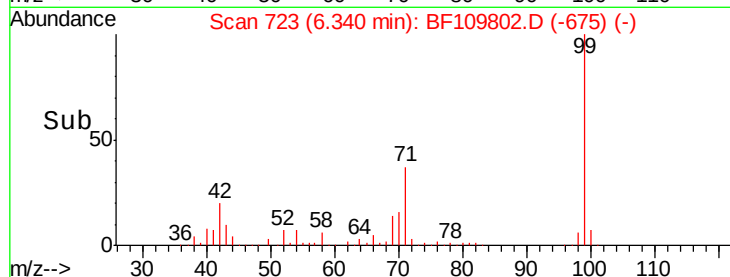
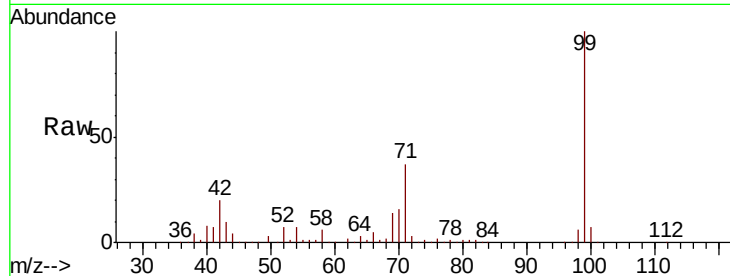
Tgt Ion: 99 Resp: 576448

Ion Ratio Lower Upper

99 100

42 20.2 15.8 23.6

71 37.2 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.312 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109802.D

Acq: 11 Oct 2018 22:27

Tgt Ion: 70 Resp: 43705

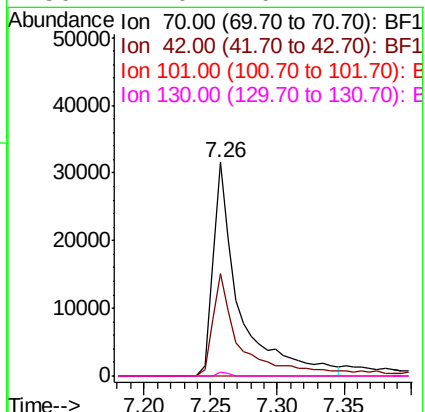
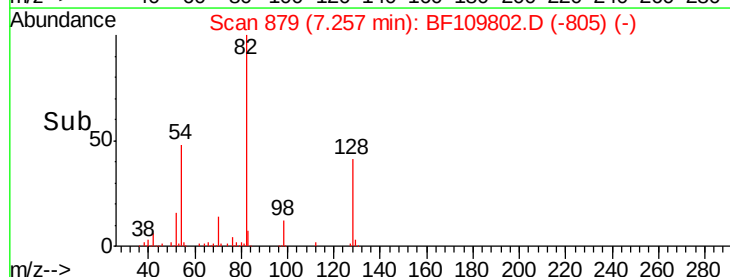
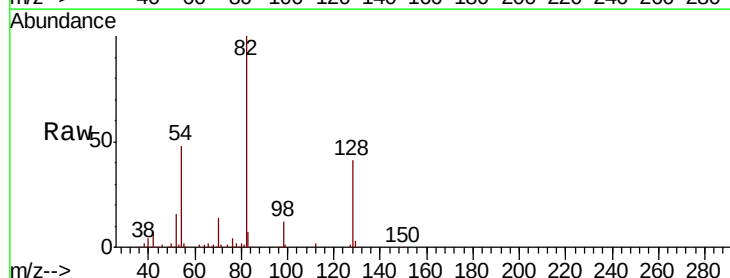
Ion Ratio Lower Upper

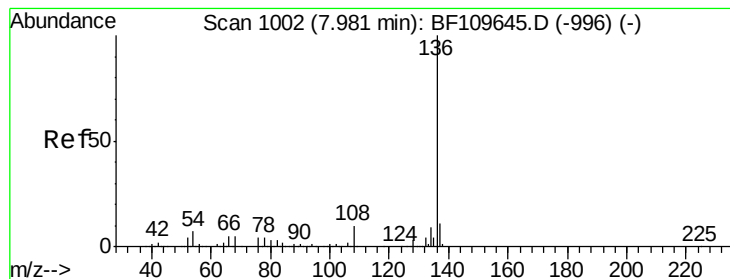
70 100

42 47.9 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: BF109802.D

Acq: 11 Oct 2018 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-027-B

Tgt Ion: 136 Resp: 296131

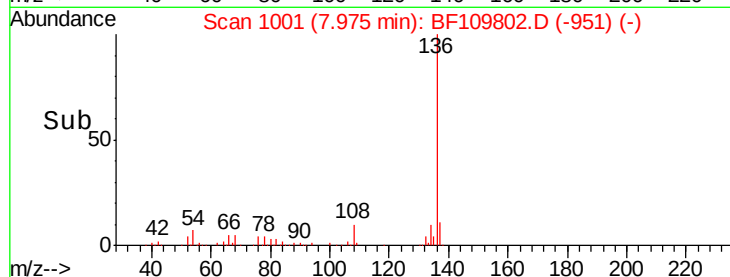
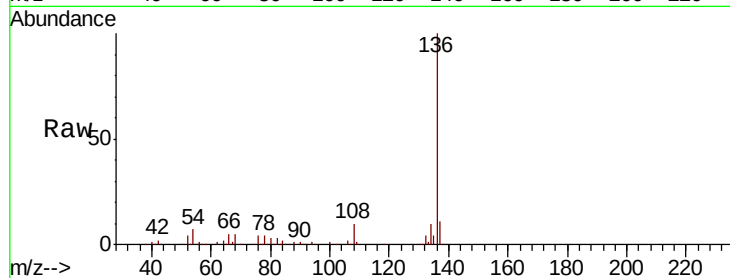
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.1 5.4 8.2

68 5.0 4.2 6.2

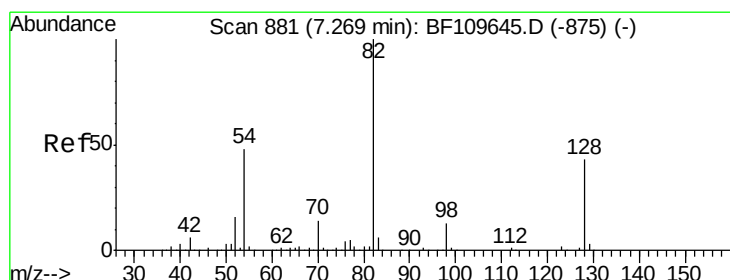
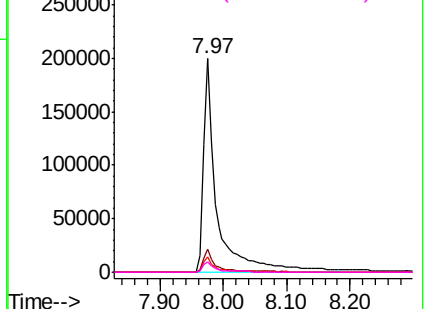


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.659 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109802.D

Acq: 11 Oct 2018 22:27

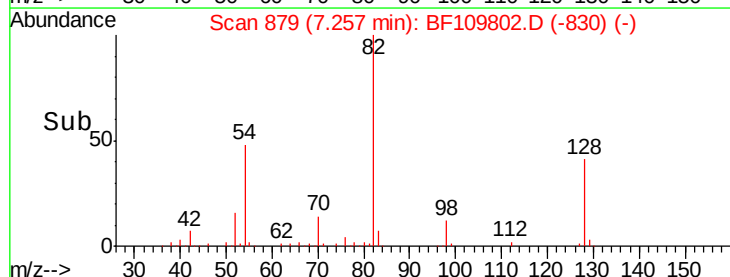
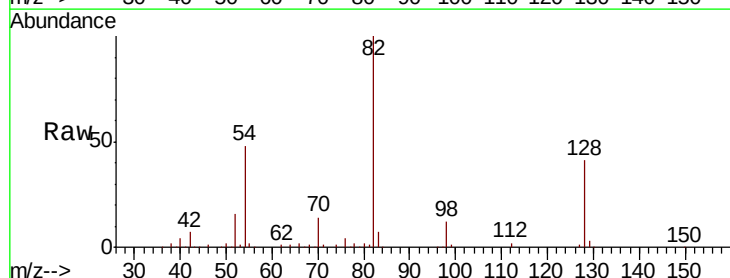
Tgt Ion: 82 Resp: 374220

Ion Ratio Lower Upper

82 100

128 41.3 34.2 51.2

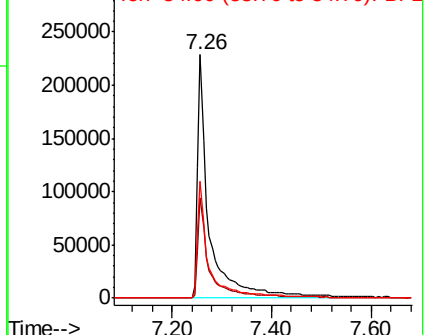
54 48.1 38.6 58.0

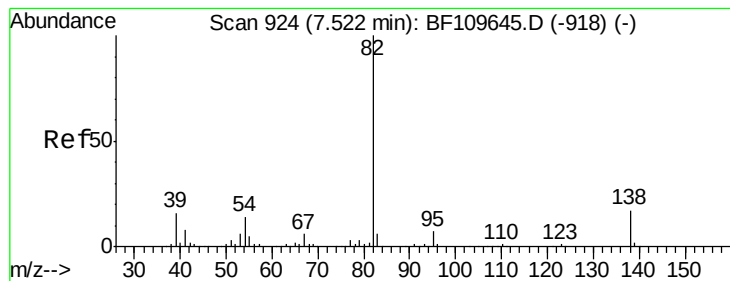


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.042 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109802.D

Acq: 11 Oct 2018 22:27

Instrument :

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ClientSampleId :

FK-GF-02-027-B

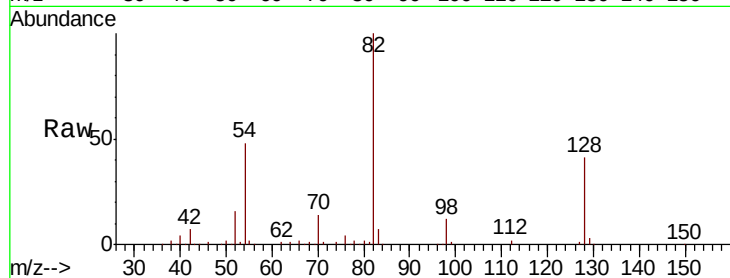
Tgt Ion: 82 Resp: 383969

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

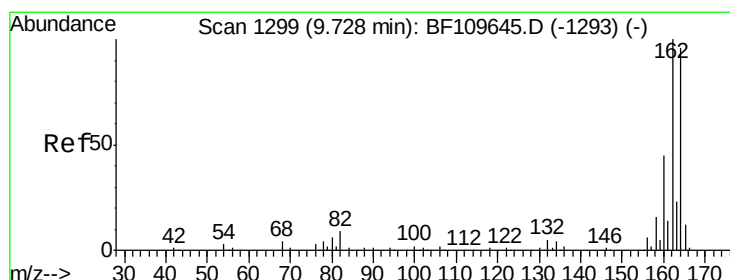
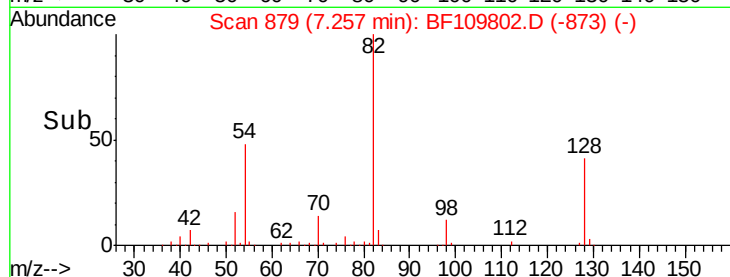
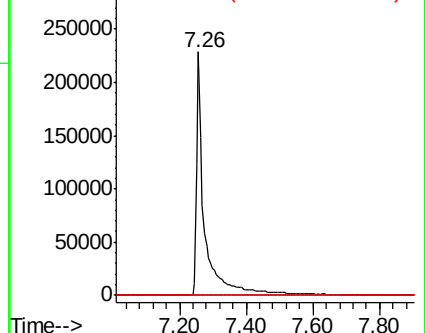
138 0.0 13.2 19.8#



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: BF109802.D

Acq: 11 Oct 2018 22:27

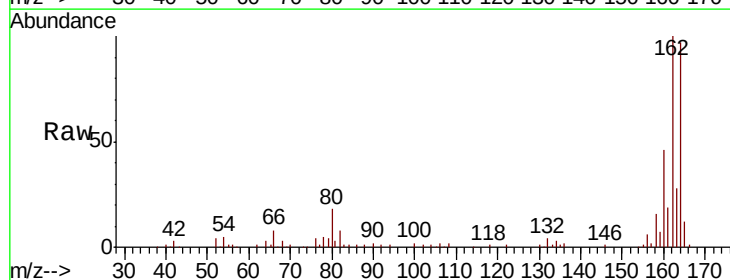
Tgt Ion: 164 Resp: 125657

Ion Ratio Lower Upper

164 100

162 103.3 83.0 124.6

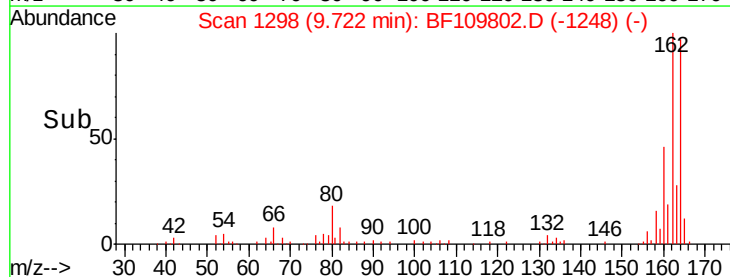
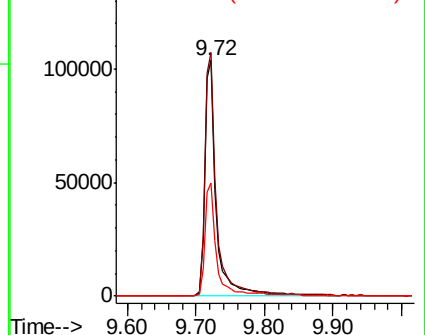
160 47.7 37.0 55.6

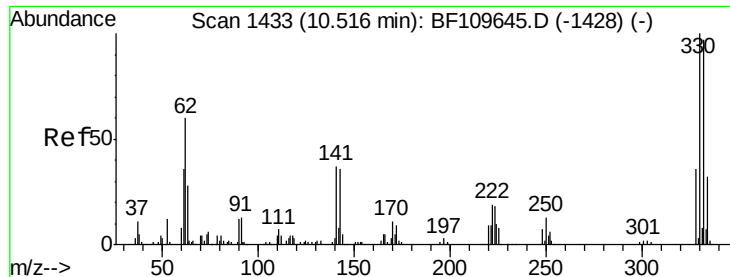


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

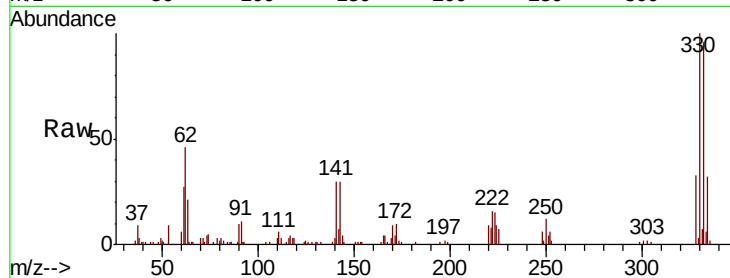




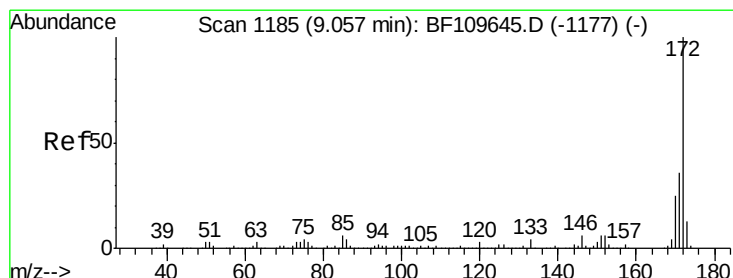
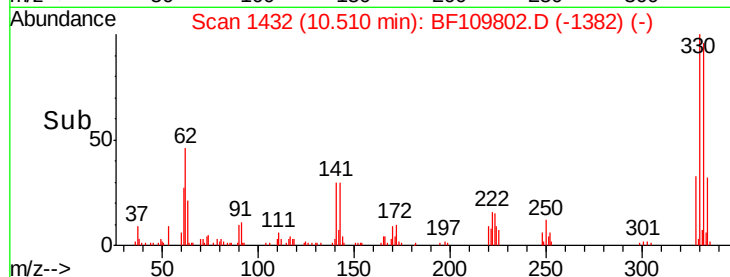
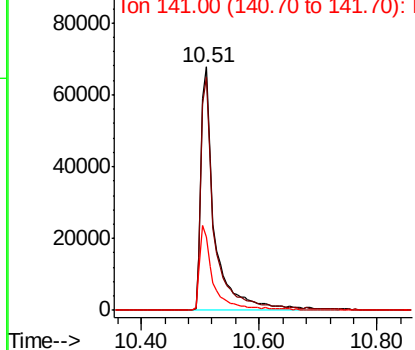
#41
 2,4,6-Tribromophenol
 Concen: 79.050 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109802.D
 Acq: 11 Oct 2018 22:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

Tgt Ion:330 Resp: 108233
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.1 115.7
 141 33.4 27.0 40.4

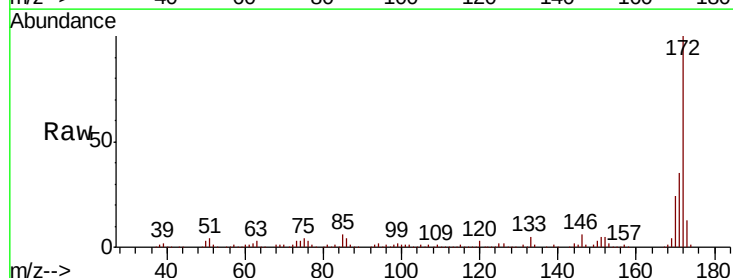


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

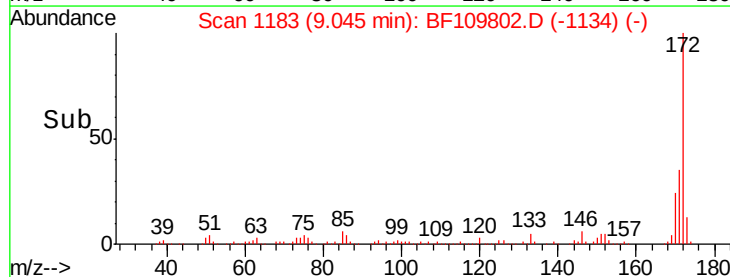
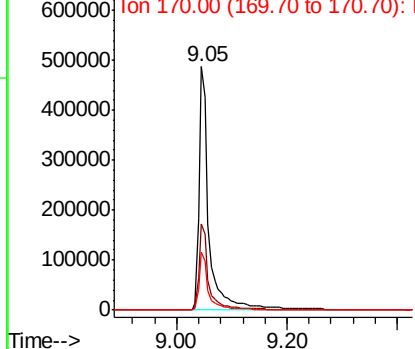


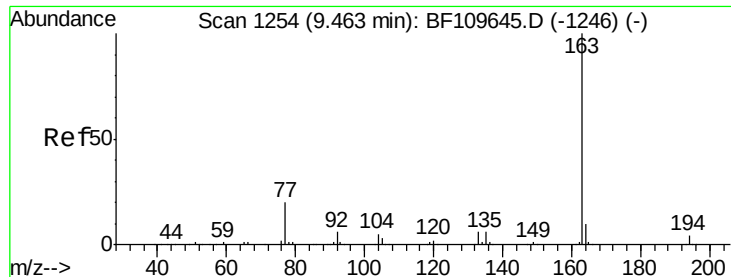
#44
 2-Fluorobiphenyl
 Concen: 67.900 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109802.D
 Acq: 11 Oct 2018 22:27

Tgt Ion:172 Resp: 619503
 Ion Ratio Lower Upper
 172 100
 171 35.4 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

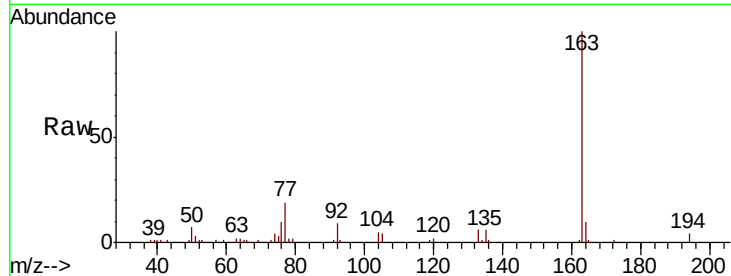




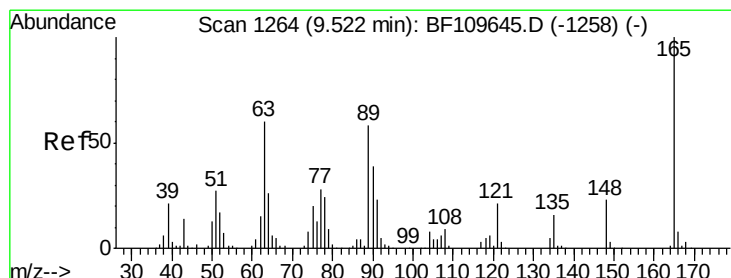
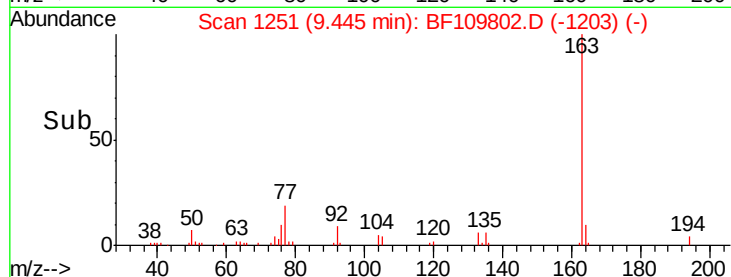
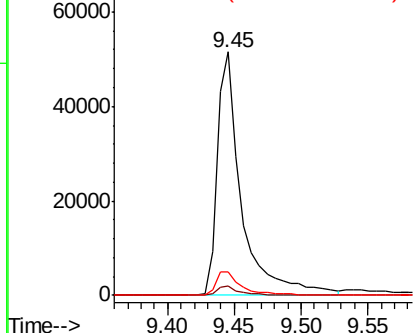
#49
Dimethylphthalate
Concen: 7.147 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tgt Ion:163 Resp: 65864
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 9.8 8.1 12.1

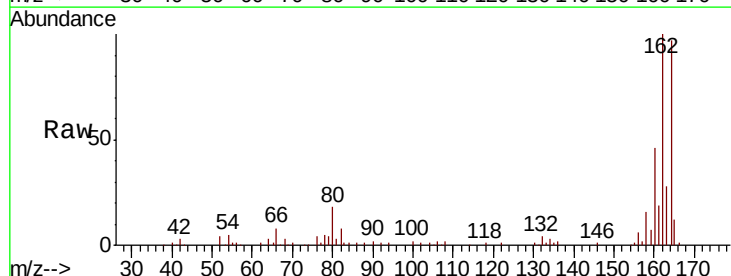


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

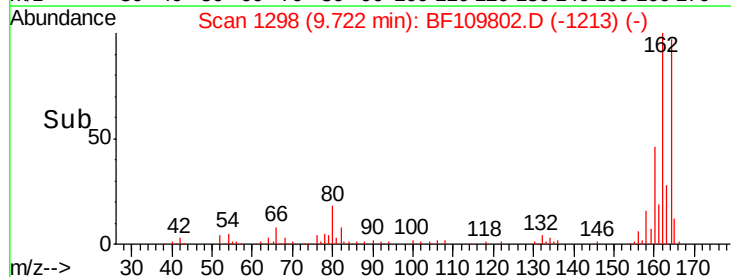
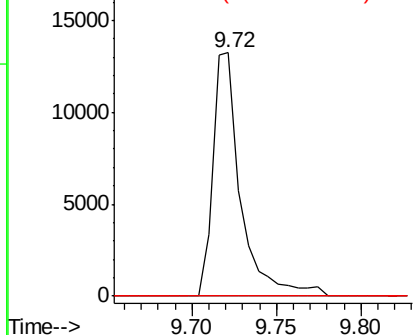


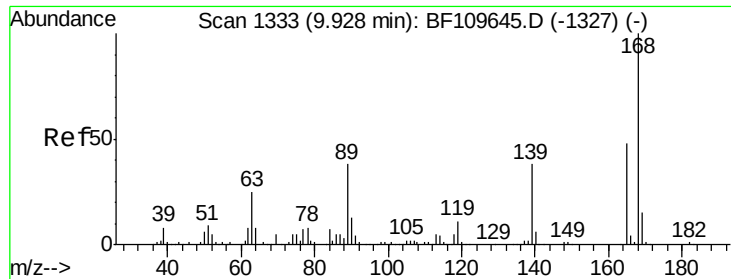
#50
2,6-Dinitrotoluene
Concen: 7.646 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

Tgt Ion:165 Resp: 15275
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 0.0 46.6 69.8#



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

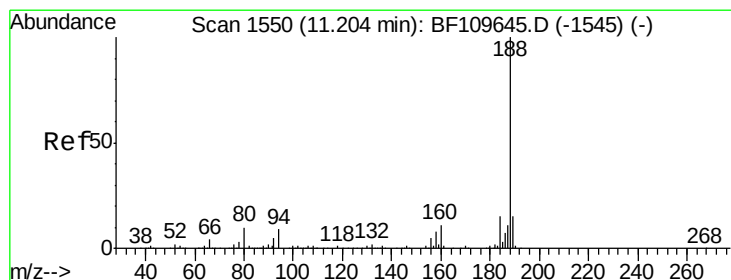
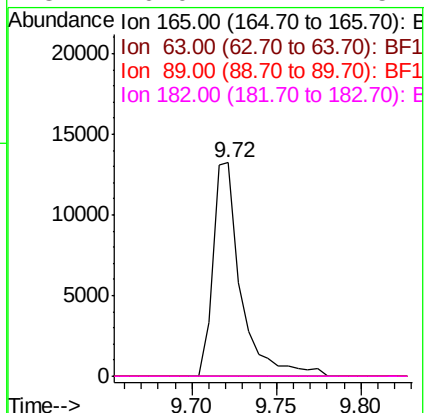
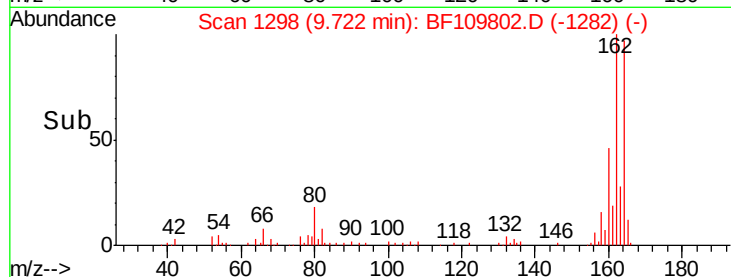
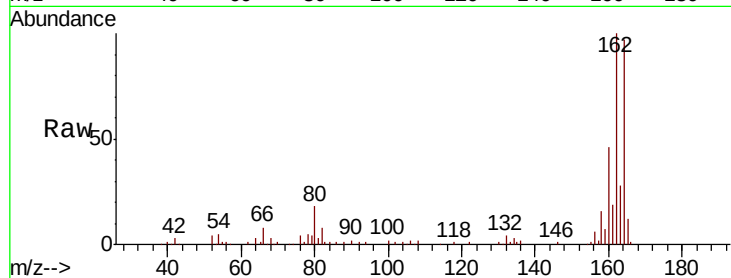




#56
 2,4-Dinitrotoluene
 Concen: 6.127 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109802.D
 Acq: 11 Oct 2018 22:27

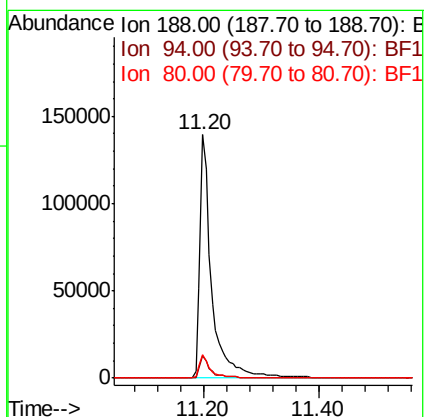
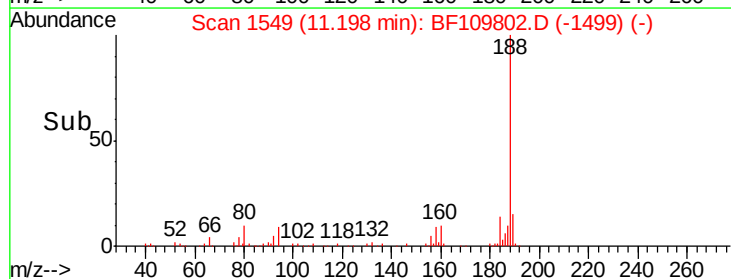
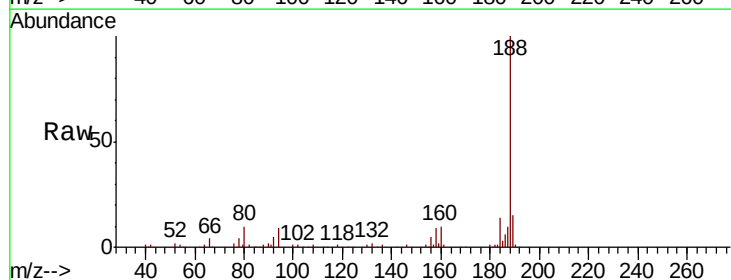
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

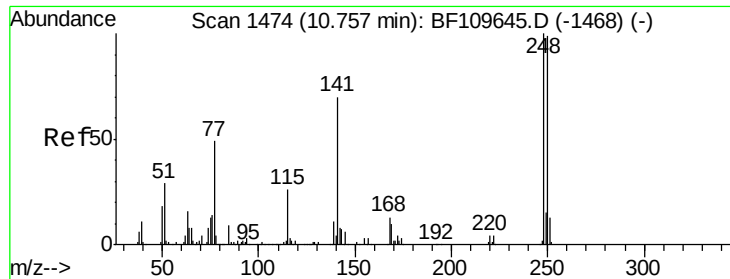
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109802.D
 Acq: 11 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.6	7.9	11.9

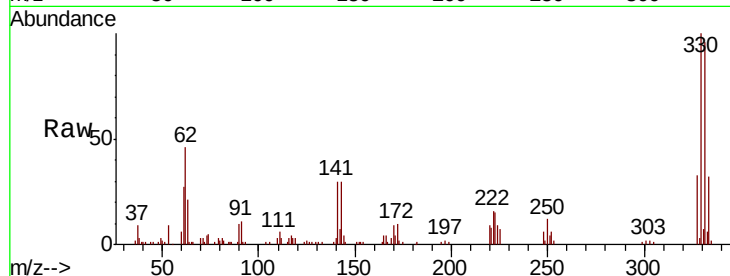




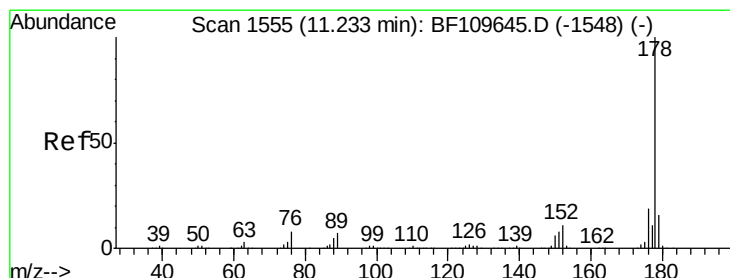
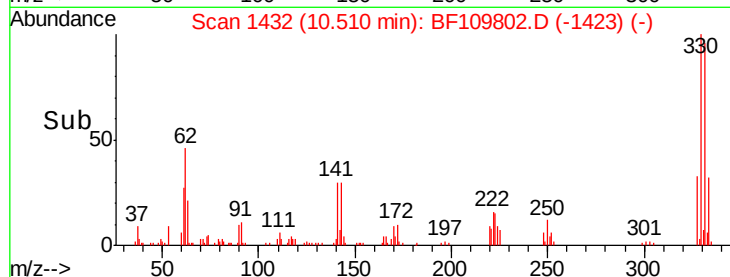
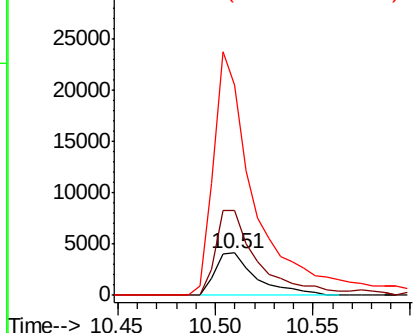
#66
 4-Bromophenyl-phenylether
 Concen: 2.612 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109802.D
 Acq: 11 Oct 2018 22:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

Tgt Ion:248 Resp: 6071
 Ion Ratio Lower Upper
 248 100
 250 200.5 79.4 119.2#
 141 500.9 55.9 83.9#

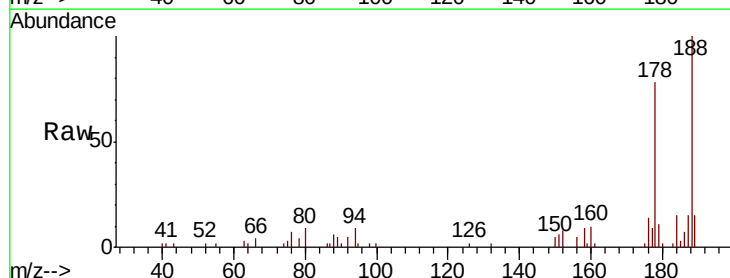


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

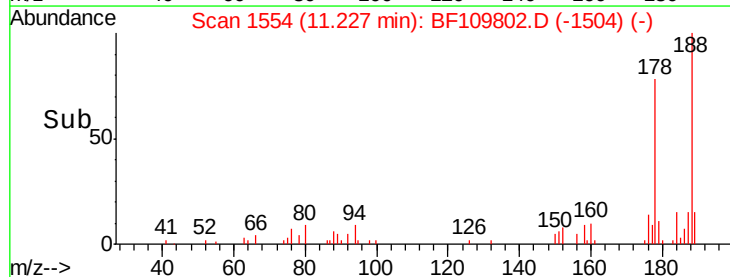
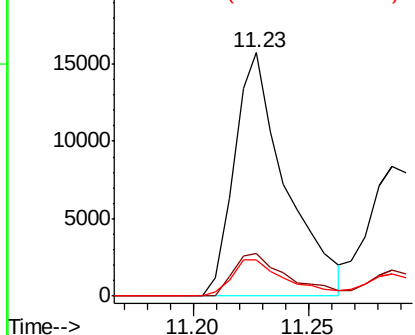


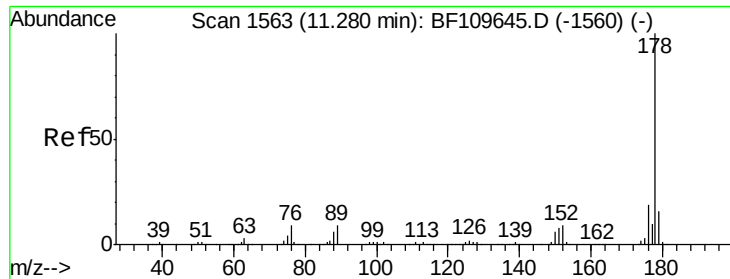
#70
 Phenanthrene
 Concen: 2.401 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF109802.D
 Acq: 11 Oct 2018 22:27

Tgt Ion:178 Resp: 24303
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.5 23.3
 179 14.6 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

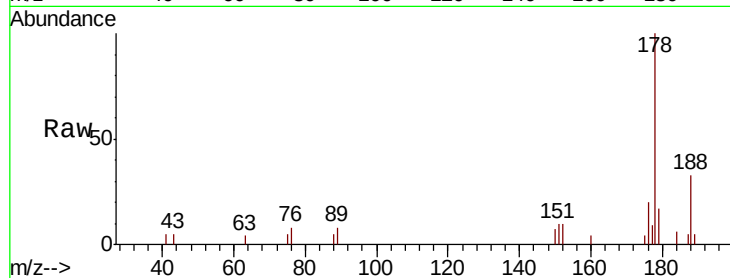




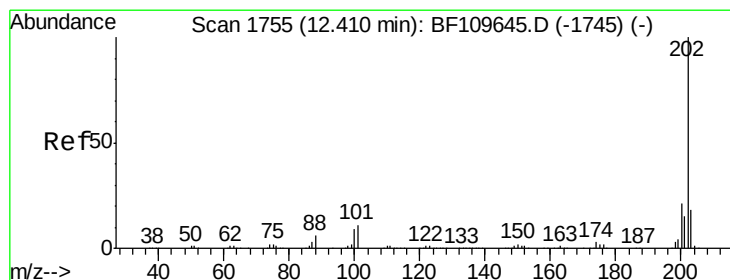
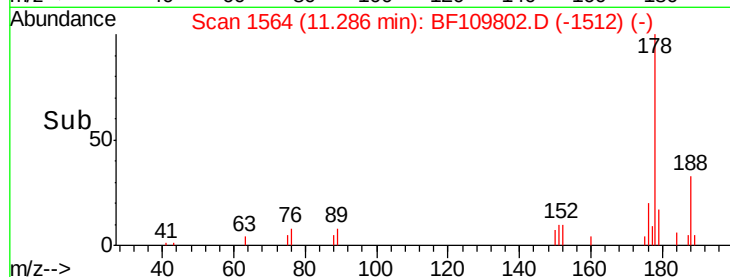
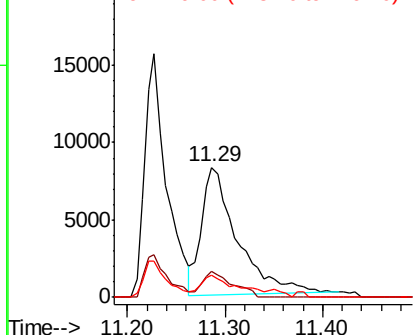
#71
 Anthracene
 Concen: 2.028 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: BF109802.D
 Acq: 11 Oct 2018 22:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

Tgt Ion:178 Resp: 21219
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.4 23.2
 179 17.2 12.6 18.8

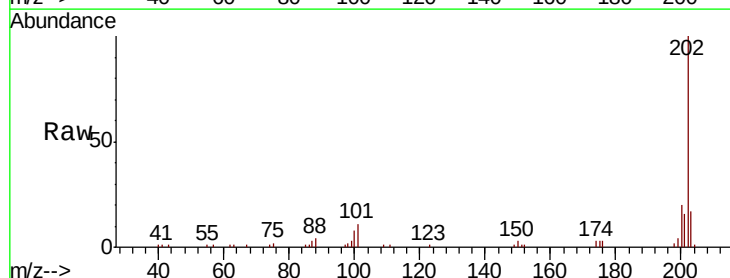


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

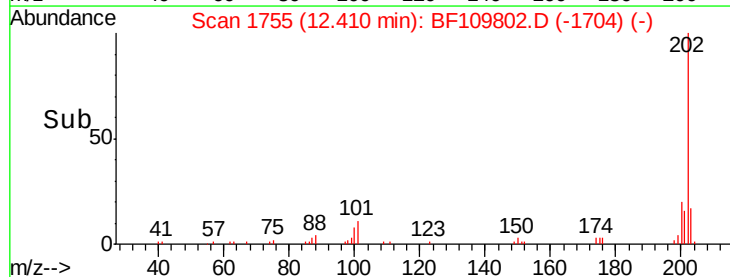
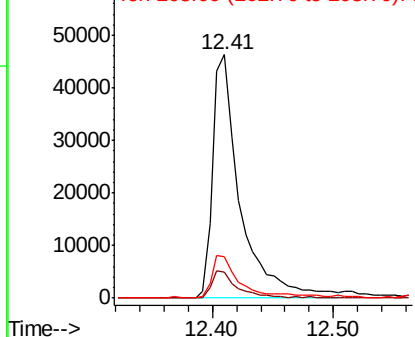


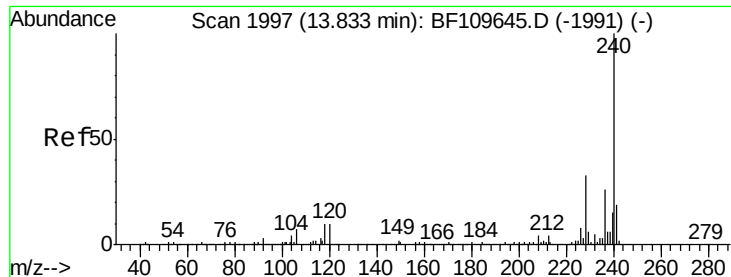
#74
 Fluoranthene
 Concen: 6.855 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BF109802.D
 Acq: 11 Oct 2018 22:27

Tgt Ion:202 Resp: 72507
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.4
 203 17.2 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: BF109802.D

Acq: 11 Oct 2018 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-027-B

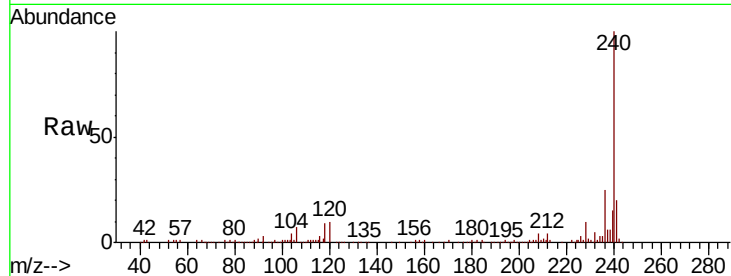
Tgt Ion:240 Resp: 199941

Ion Ratio Lower Upper

240 100

120 9.6 8.3 12.5

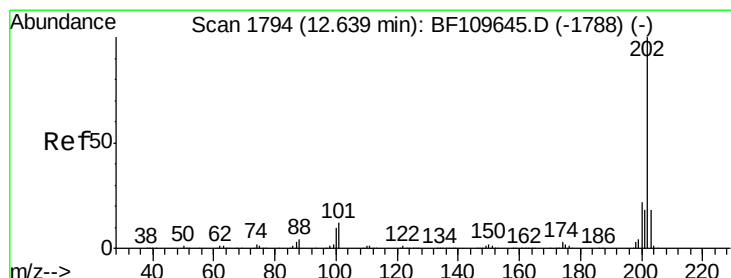
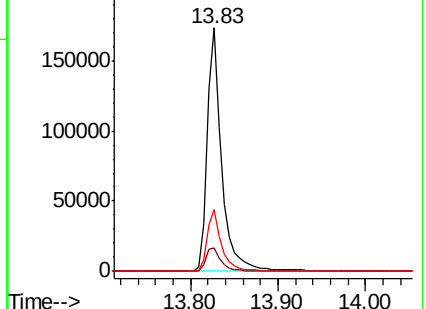
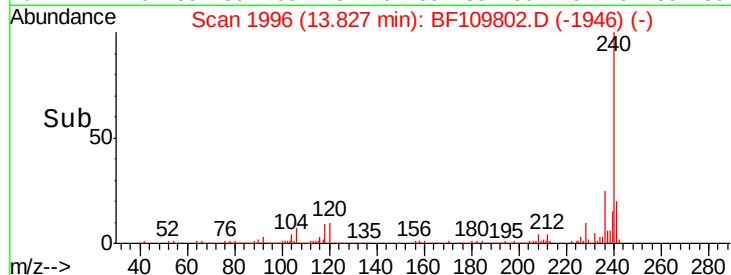
236 25.3 21.2 31.8



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

Pyrene

Concen: 4.642 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109802.D

Acq: 11 Oct 2018 22:27

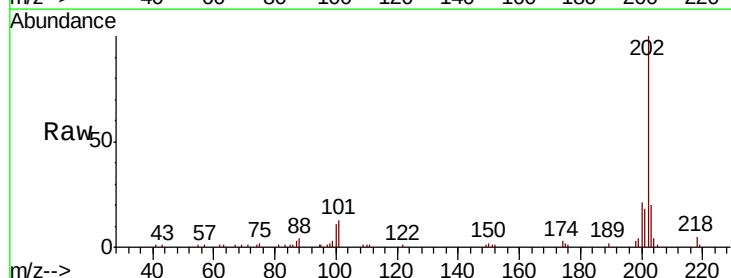
Tgt Ion:202 Resp: 68002

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.6

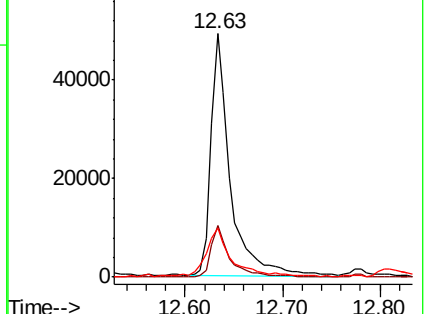
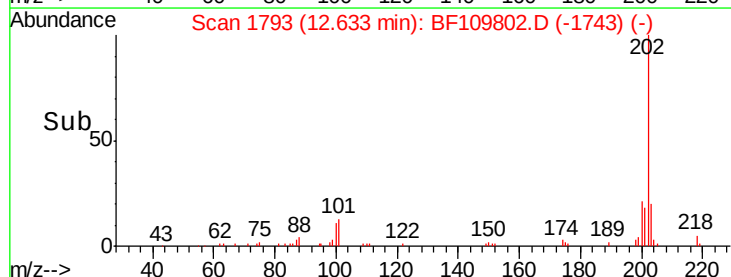
203 20.0 14.2 21.4

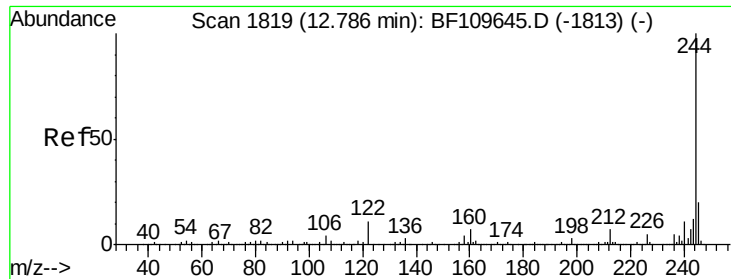


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.933 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF109802.D

Acq: 11 Oct 2018 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-027-B

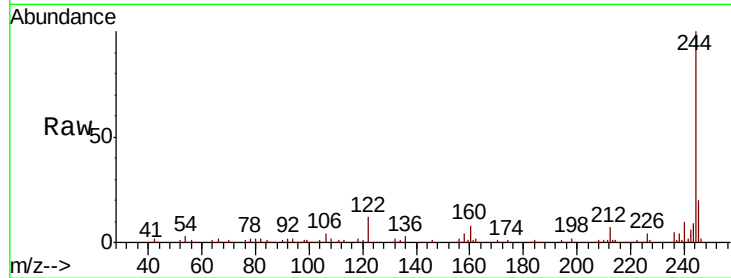
Tgt Ion:244 Resp: 443428

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

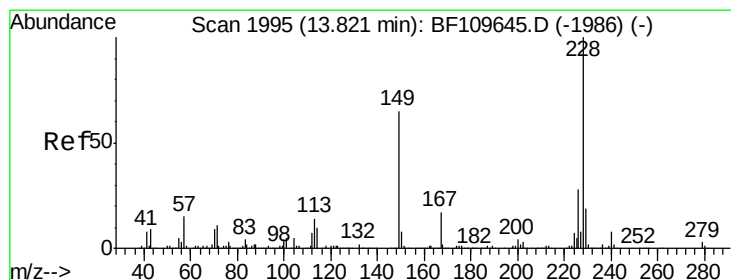
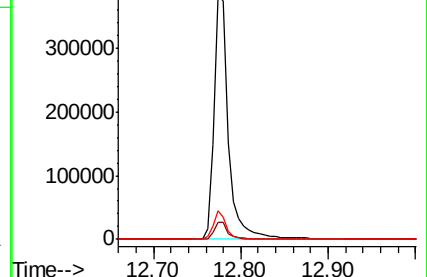
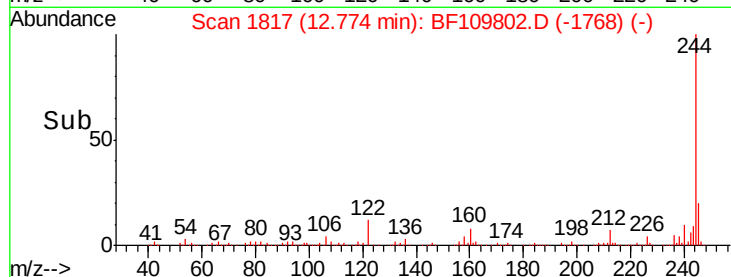
122 11.6 8.7 13.1



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: 4.664 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF109802.D

Acq: 11 Oct 2018 22:27

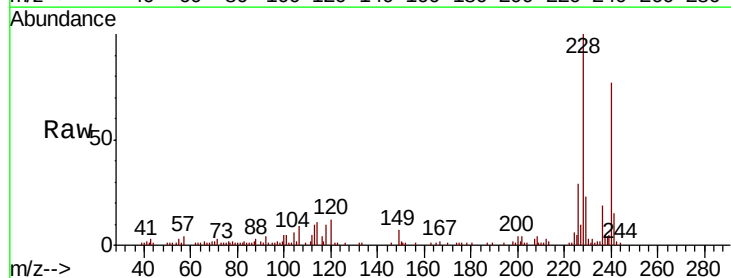
Tgt Ion:228 Resp: 51455

Ion Ratio Lower Upper

228 100

226 28.6 22.1 33.1

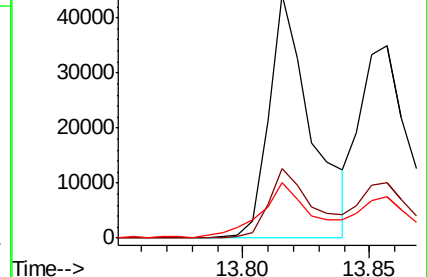
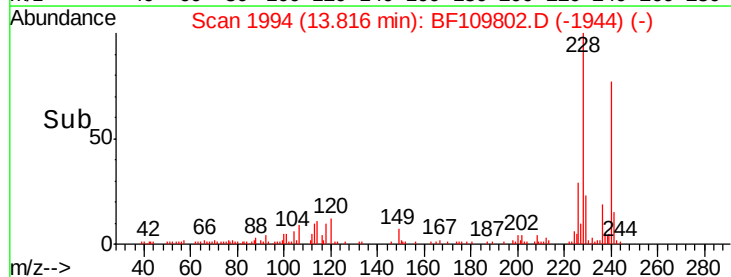
229 22.5 15.6 23.4

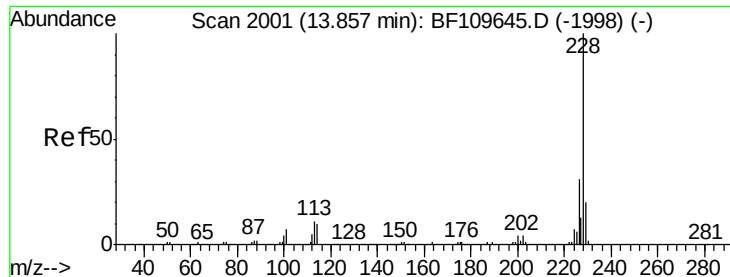


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

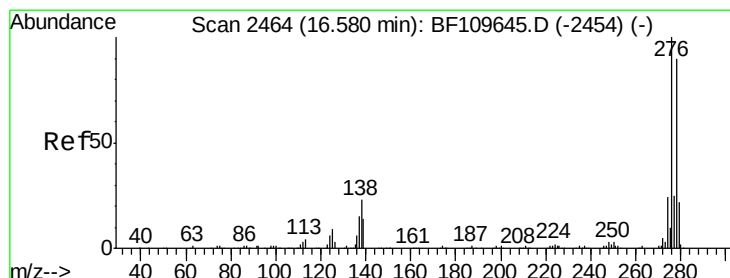
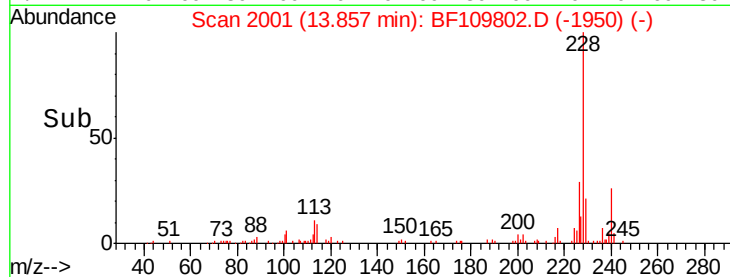
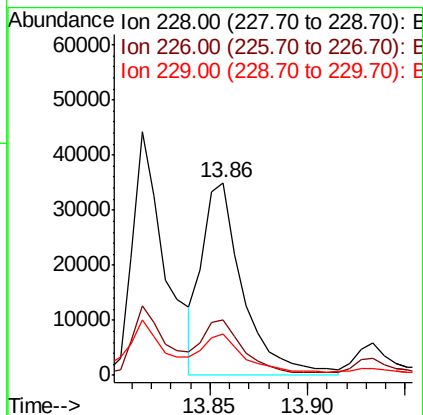




#82
Chrysene
Concen: 4.392 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

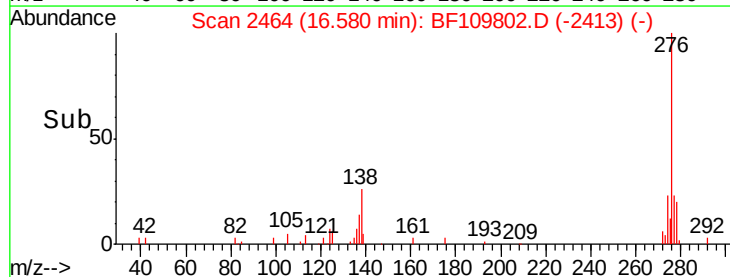
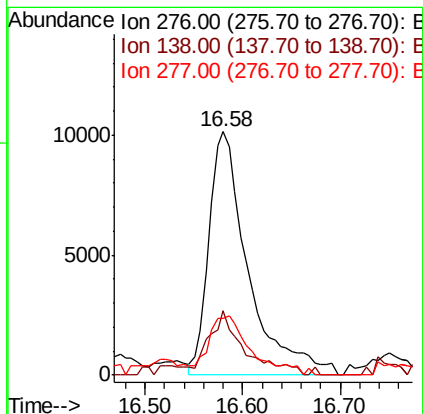
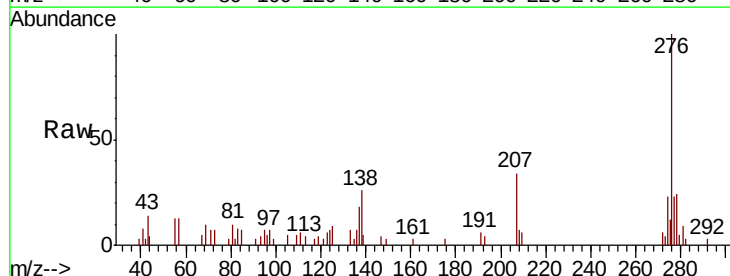
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

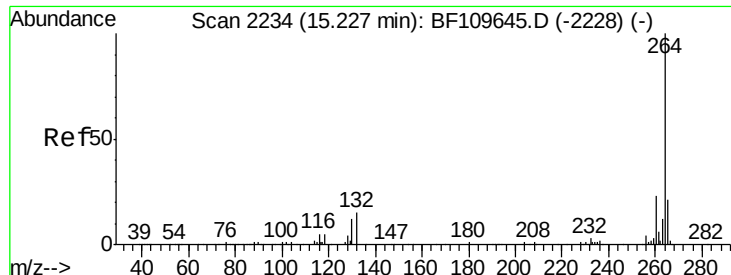
Tgt Ion:228 Resp: 50906
Ion Ratio Lower Upper
228 100
226 28.6 24.7 37.1
229 21.2 15.9 23.9



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.419 ng
RT: 16.58 min Scan# 2464
Delta R.T. 0.00 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

Tgt Ion:276 Resp: 28358
Ion Ratio Lower Upper
276 100
138 17.9 18.5 27.7#
277 18.1 20.0 30.0#

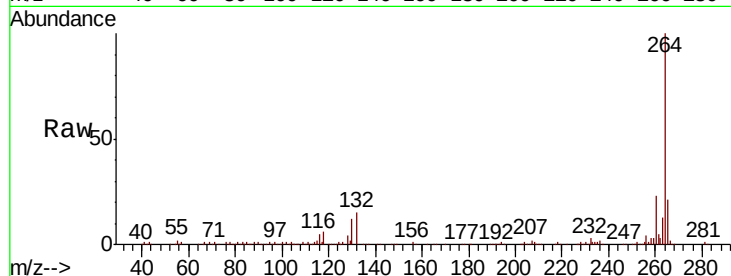




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.2	16.7	25.1

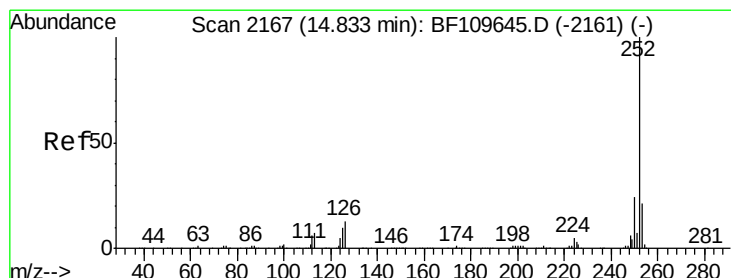
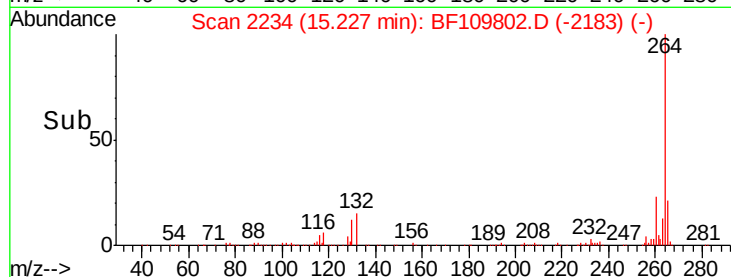
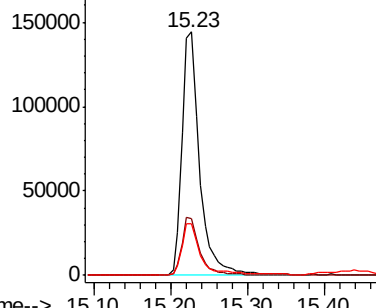


Abundance

Ion 264.00 (263.70 to 264.70): E

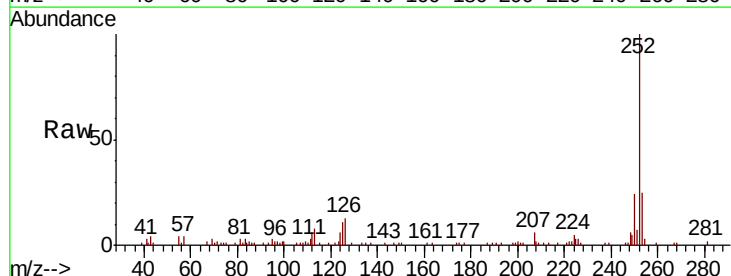
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 7.990 ng
RT: 14.83 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	11.0	8.2	12.4

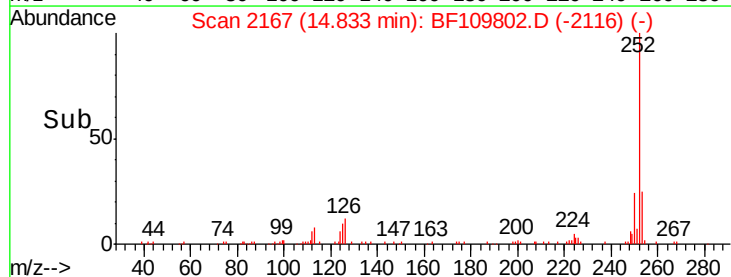
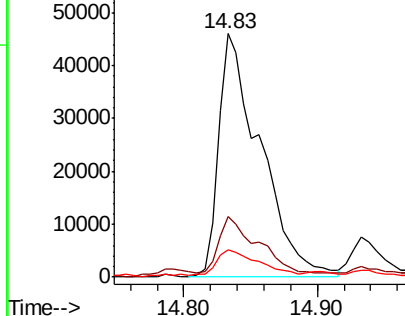


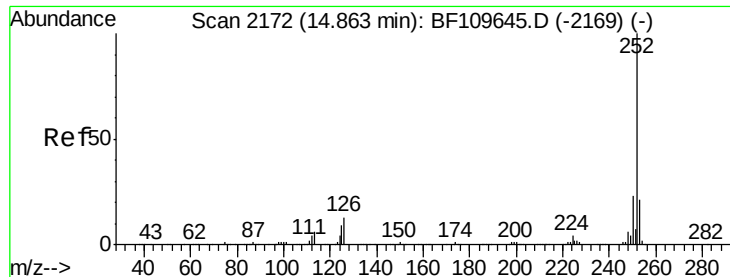
Abundance

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

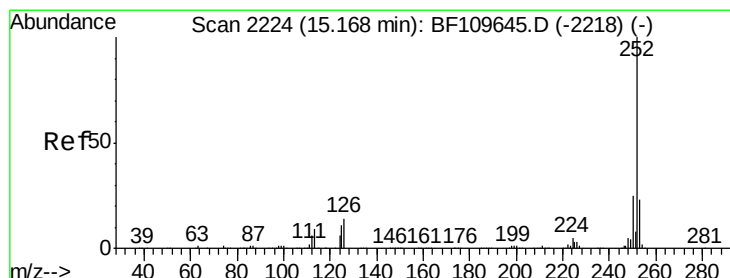
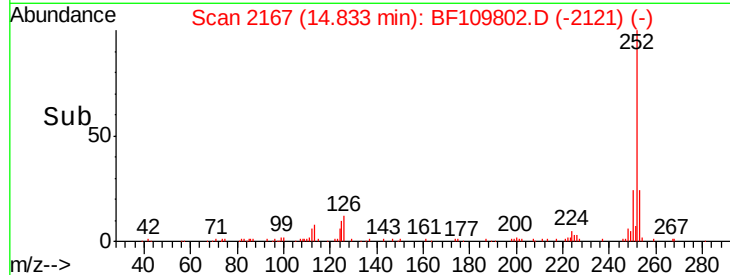
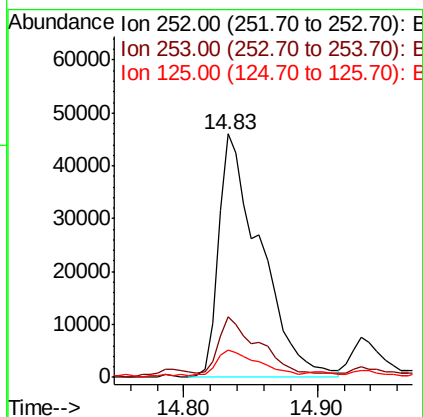
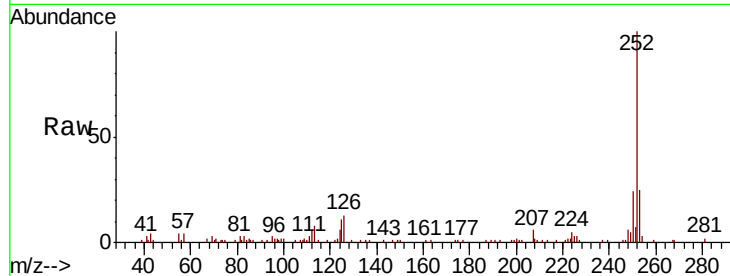




#88
Benzo(k)fluoranthene
Concen: 7.952 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

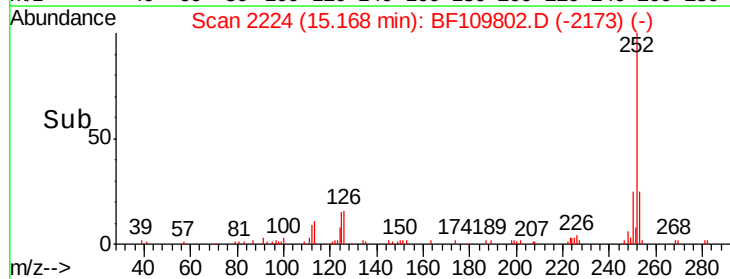
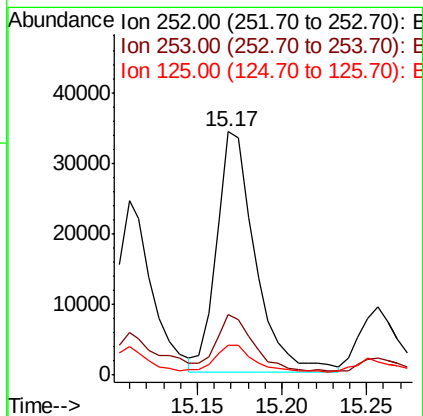
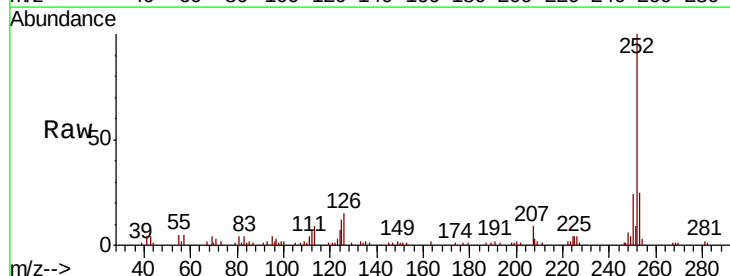
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

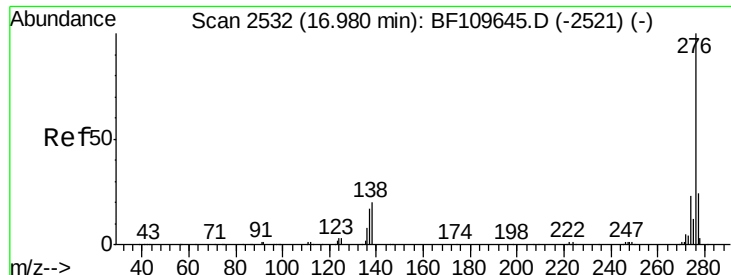
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	11.0	7.4	11.0



#89
Benzo(a)pyrene
Concen: 4.790 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF109802.D
Acq: 11 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.4
125	12.4	9.0	13.6





#91

Benzo(g,h,i)perylene

Concen: 2.420 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF109802.D

Acq: 11 Oct 2018 22:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-027-B

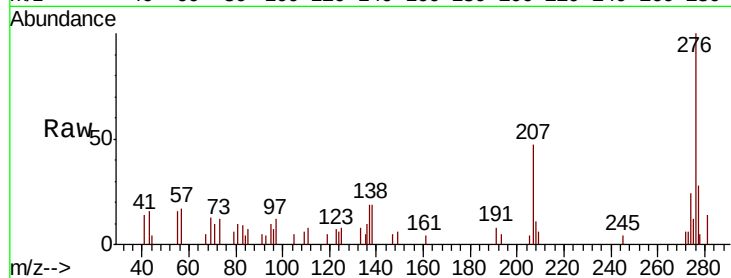
Tgt Ion:276 Resp: 22647

Ion Ratio Lower Upper

276 100

277 28.5 18.8 28.2#

138 19.2 16.0 24.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

