

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
 Data File : BF110869.D
 Acq On : 19 Nov 2018 23:24
 Operator : JU/SJ
 Sample : J5970-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-028-A

Quant Time: Nov 20 00:37:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	61714	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	240263	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	98852	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	156258	20.00	ng	0.00
76) Chrysene-d12	14.13	240	130035	20.00	ng	0.00
87) Perylene-d12	15.67	264	82714	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	389997	102.65	ng	0.00
7) Phenol-d6	6.57	99	491725	101.21	ng	0.00
23) Nitrobenzene-d5	7.50	82	307574	73.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	87117	87.46	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	531989	76.86	ng	0.00
79) Terphenyl-d14	13.06	244	408597	58.85	ng	0.00

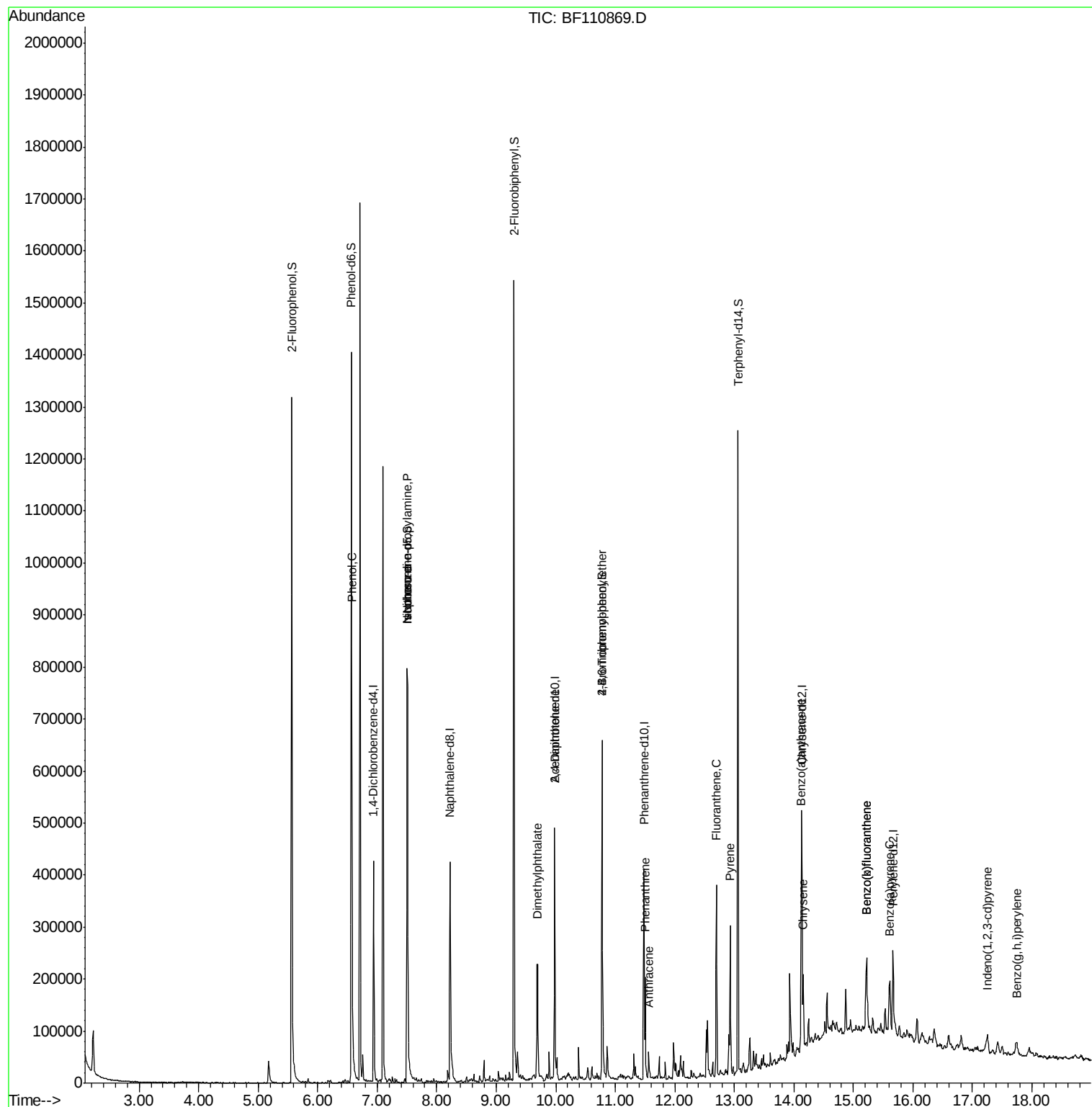
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1095	Below Cal		# 1
10) Phenol	6.58	94	25791	4.578	ng	# 78
19) n-Nitroso-di-n-propylamine	7.50	70	42230	13.617	ng	# 79
25) Isophorone	7.50	82	307570	44.980	ng	# 67
50) Dimethylphthalate	9.69	163	110240	14.946	ng	99
57) 2,4-Dinitrotoluene	9.98	165	13440	6.370	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	5383	3.117	ng	# 1
71) Phenanthrene	11.50	178	73822	8.818	ng	97
72) Anthracene	11.56	178	25589	3.030	ng	98
75) Fluoranthene	12.70	202	138907	16.550	ng	99
78) Pyrene	12.93	202	125405	12.525	ng	97
81) Benzo(a)anthracene	14.12	228	66310	8.532	ng	98
83) Chrysene	14.16	228	54394	7.346	ng	97
86) Indeno(1,2,3-cd)pyrene	17.25	276	20683	3.892	ng	95
88) Benzo(b)fluoranthene	15.21	252	71981	14.547	ng	97
89) Benzo(k)fluoranthene	15.21	252	71981	14.722	ng	# 96
90) Benzo(a)pyrene	15.60	252	36684	8.160	ng	# 97
92) Benzo(g,h,i)perylene	17.74	276	19773	5.238	ng	# 89

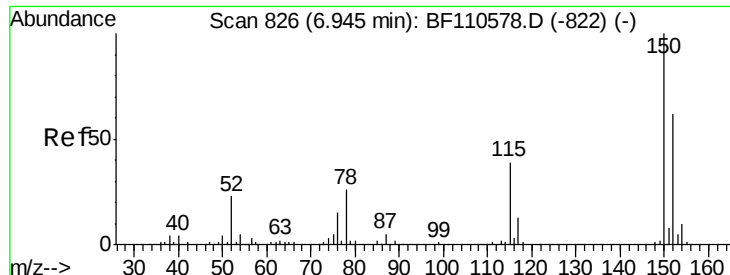
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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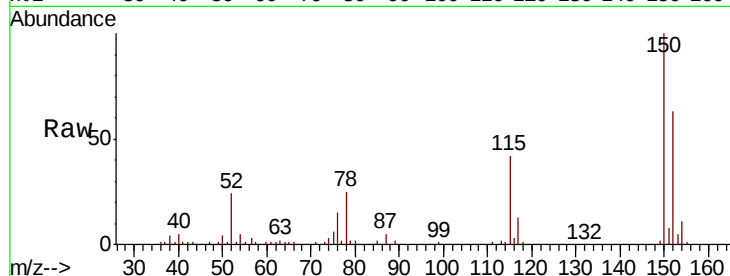


#1

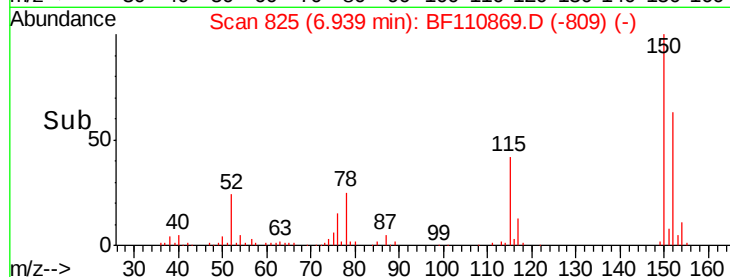
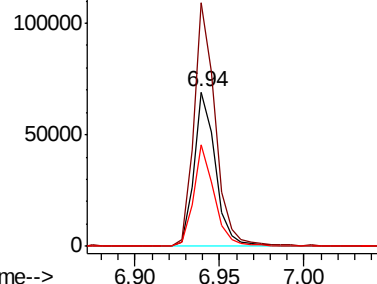
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-A

Tgt Ion:152 Resp: 61714
Ion Ratio Lower Upper
152 100
150 157.6 122.7 184.1
115 65.6 49.1 73.7



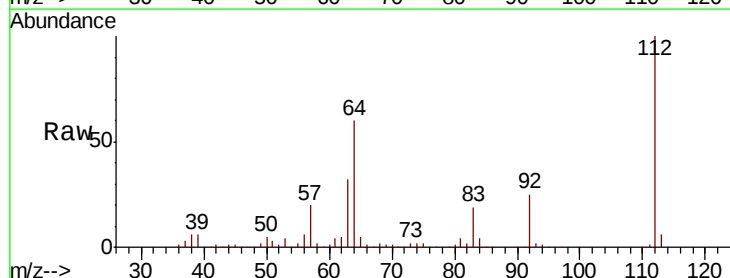
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



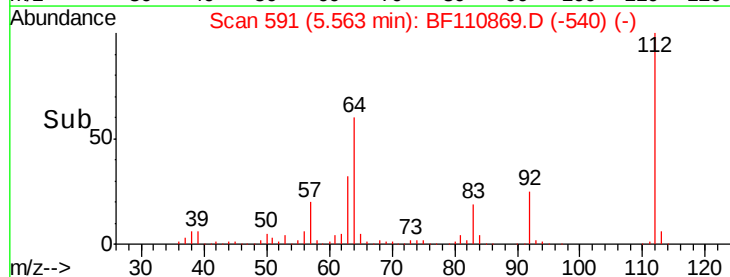
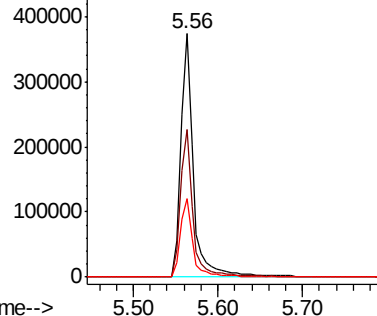
#5

2-Fluorophenol
Concen: 102.647 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion:112 Resp: 389997
Ion Ratio Lower Upper
112 100
64 60.4 44.1 66.1
63 32.4 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: 101.209 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-028-A

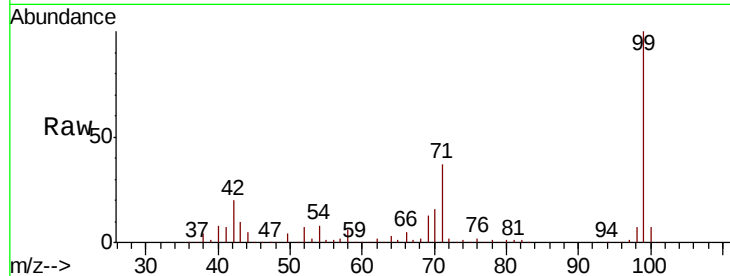
Tgt Ion: 99 Resp: 491725

Ion Ratio Lower Upper

99 100

42 20.4 15.8 23.6

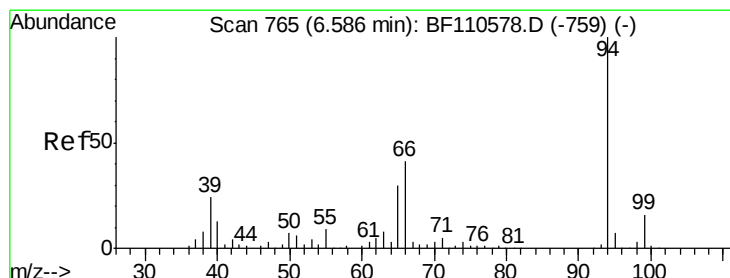
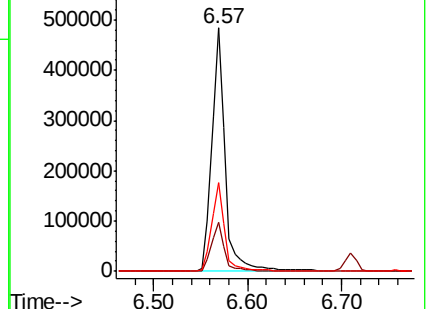
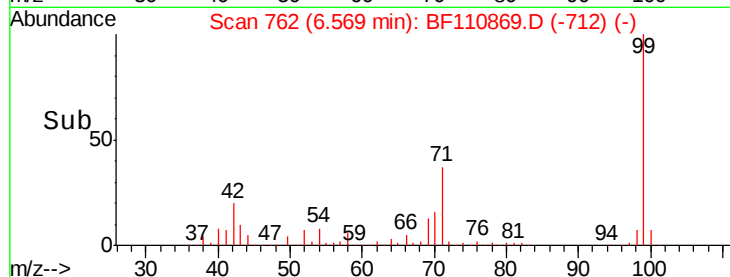
71 36.6 28.0 42.0



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



#10

Phenol

Concen: 4.578 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

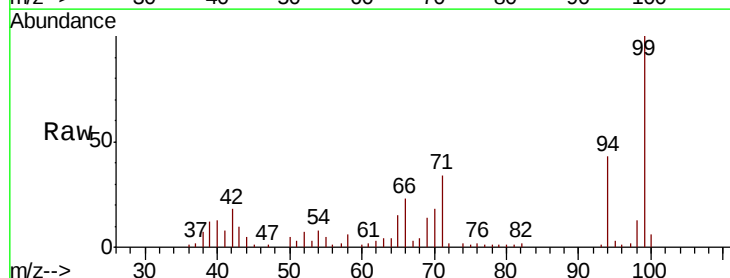
Tgt Ion: 94 Resp: 25791

Ion Ratio Lower Upper

94 100

65 34.3 25.3 65.3

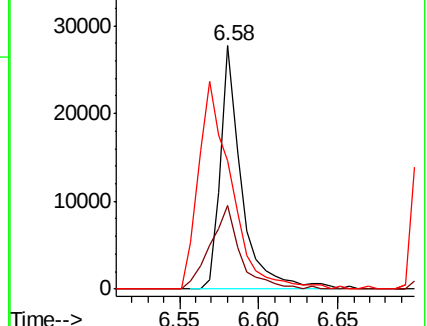
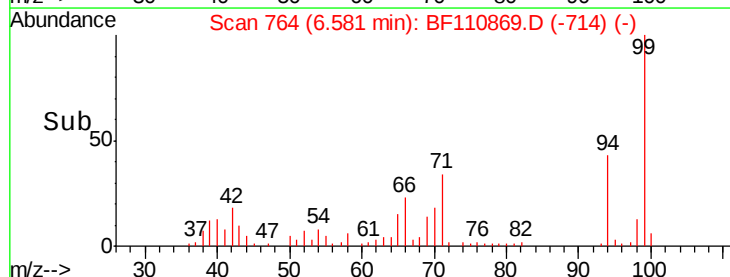
66 52.7 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

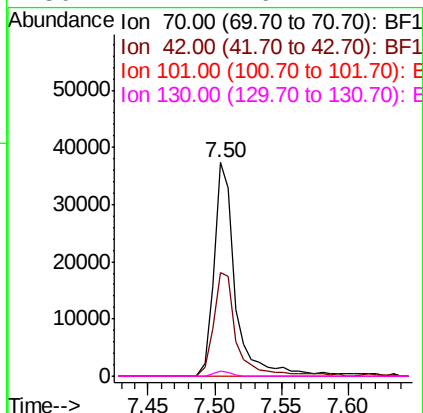
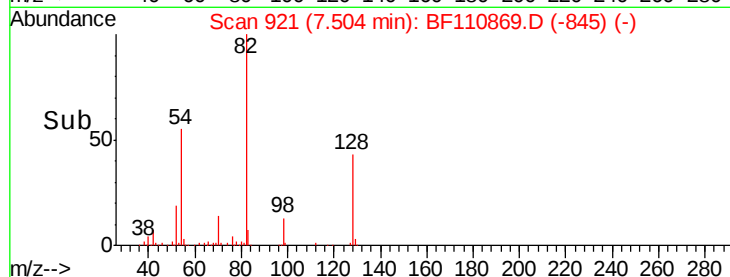
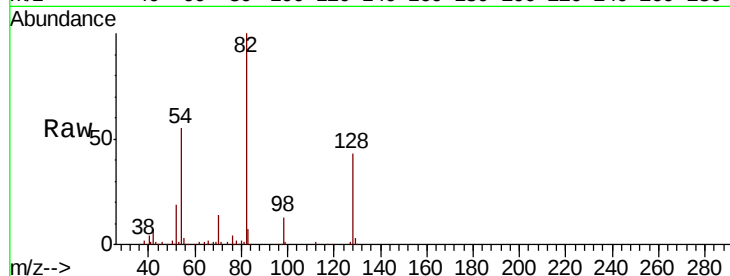




#19
n-Nitroso-di-n-propylamine
Concen: 13.617 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

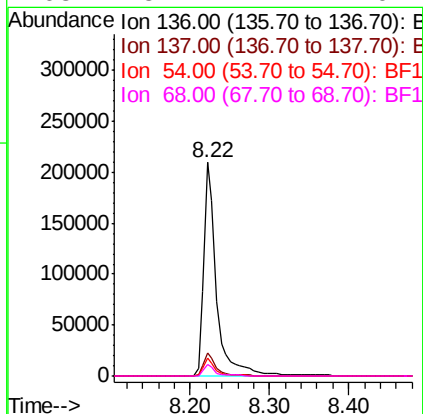
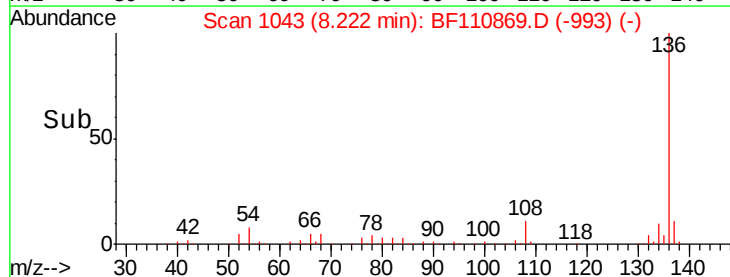
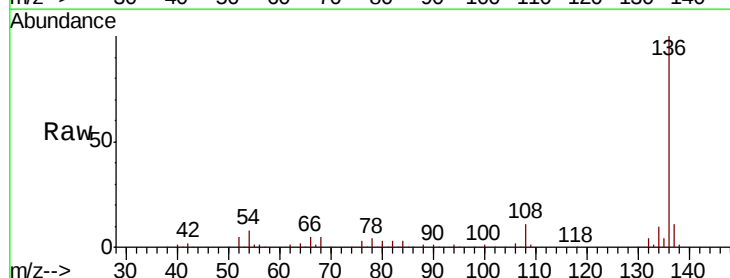
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-A

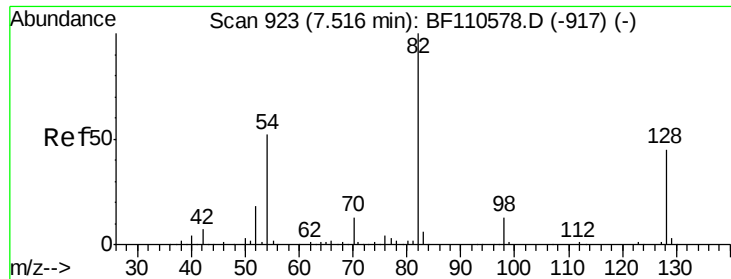
Tgt Ion: 70 Resp: 42230
Ion Ratio Lower Upper
70 100
42 48.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion:136 Resp: 240263
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.2 5.4 8.2#
68 5.4 4.2 6.2

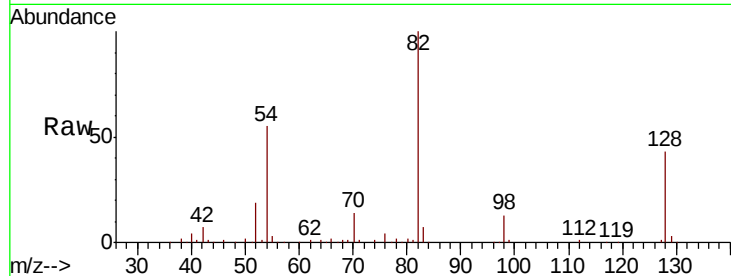




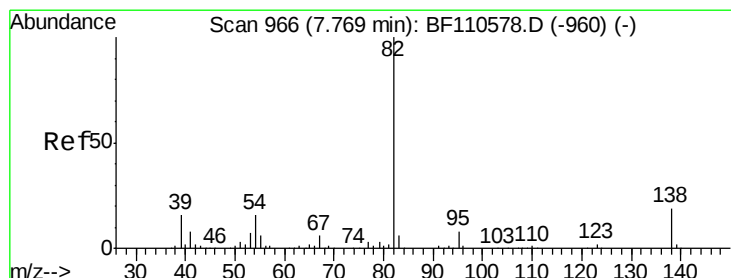
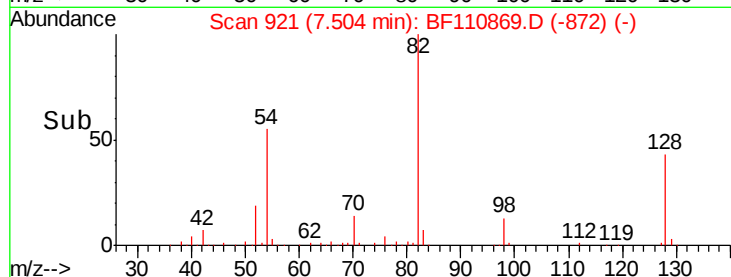
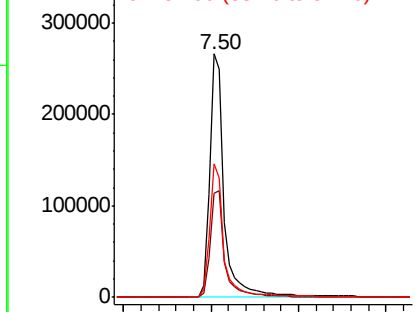
#23
 Nitrobenzene-d5
 Concen: 73.724 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-028-A

Tgt Ion: 82 Resp: 307574
 Ion Ratio Lower Upper
 82 100
 128 42.8 34.2 51.2
 54 55.1 38.6 58.0

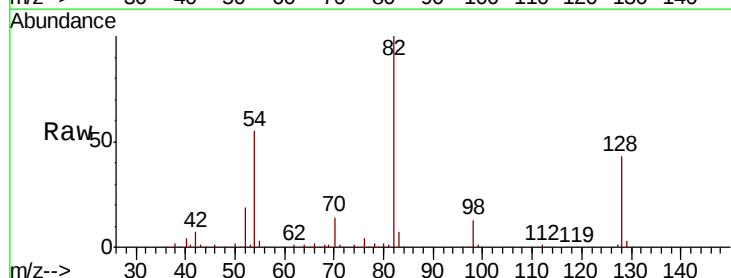


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

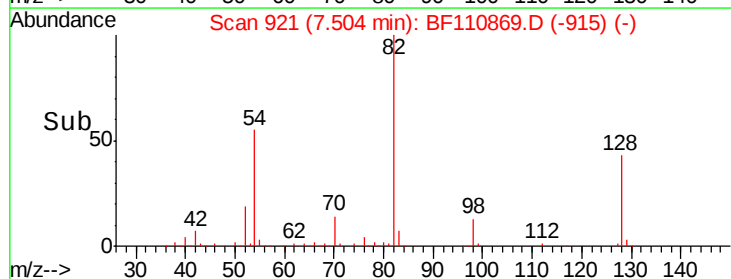
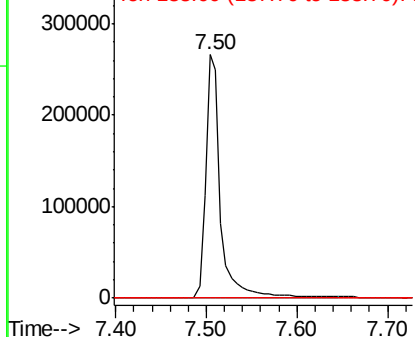


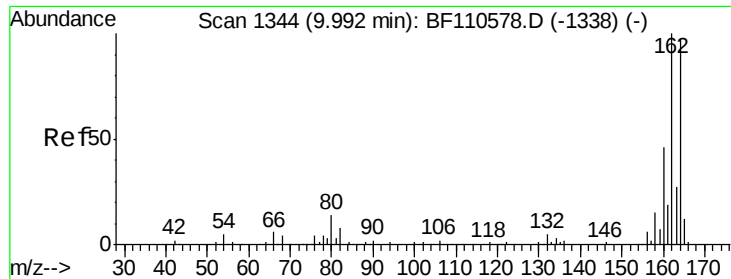
#25
 Isophorone
 Concen: 44.980 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.26 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

Tgt Ion: 82 Resp: 307570
 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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-028-A

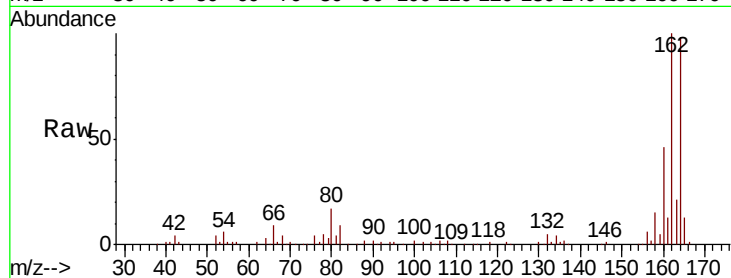
Tgt Ion:164 Resp: 98852

Ion Ratio Lower Upper

164 100

162 101.6 83.0 124.6

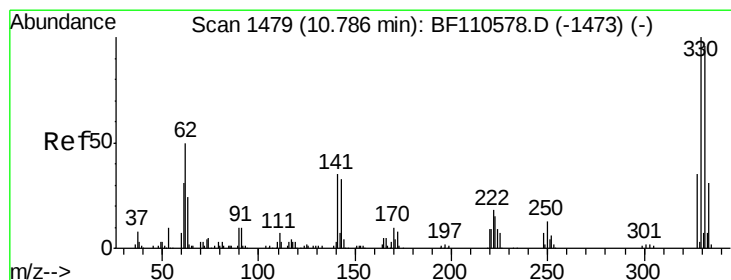
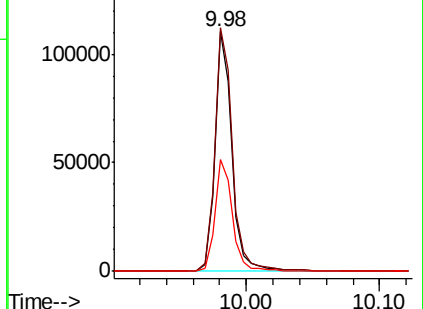
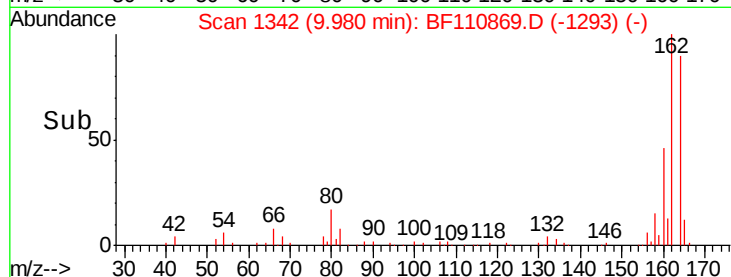
160 46.4 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 87.462 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

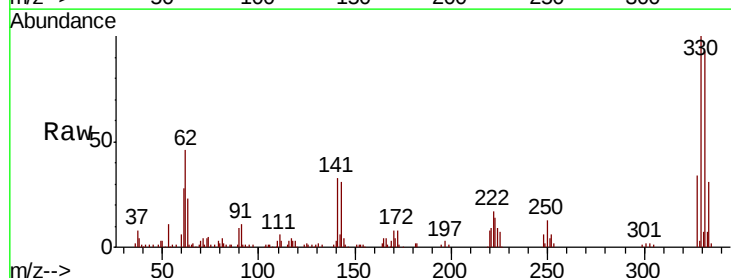
Tgt Ion:330 Resp: 87117

Ion Ratio Lower Upper

330 100

332 94.4 77.1 115.7

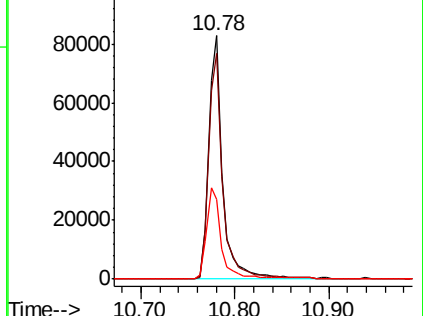
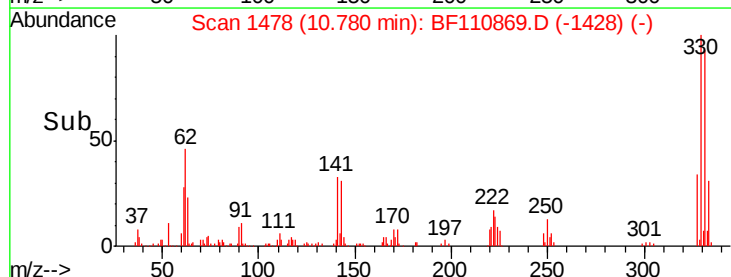
141 38.8 27.0 40.4

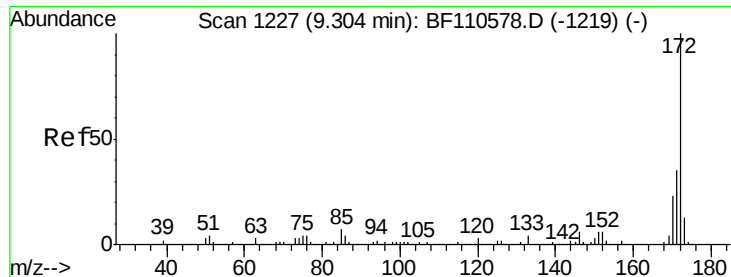


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

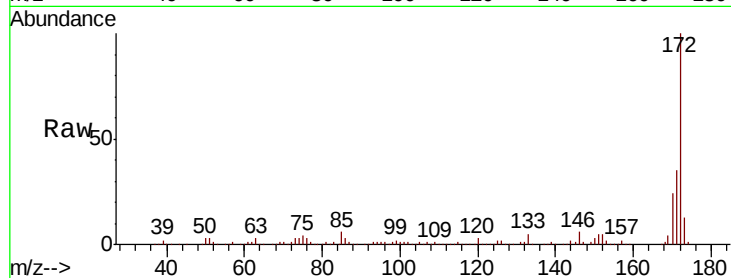




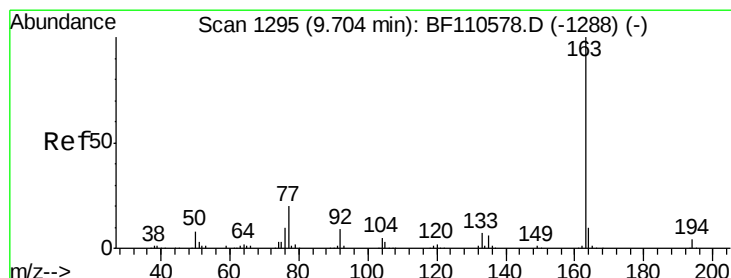
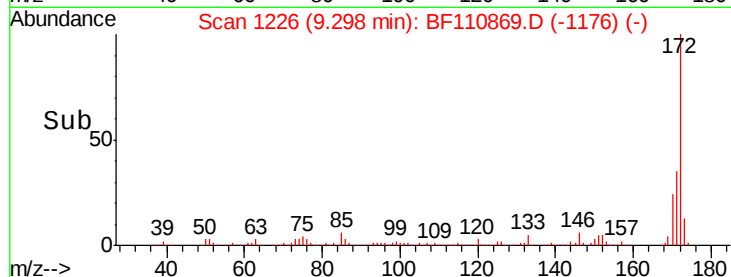
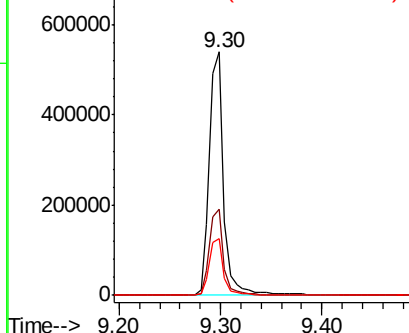
#45
 2-Fluorobiphenyl
 Concen: 76.860 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

Instrument :
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 FK-GF-02-028-A

Tgt Ion:172 Resp: 531989
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 43.0
 170 23.6 19.7 29.5

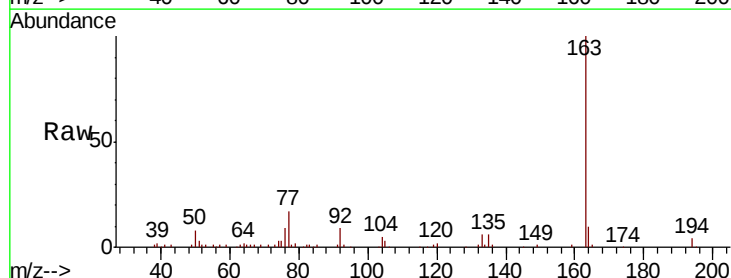


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

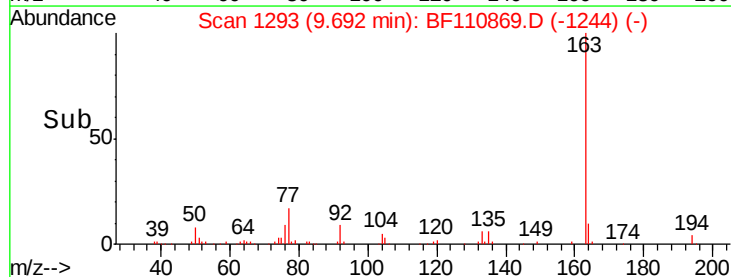
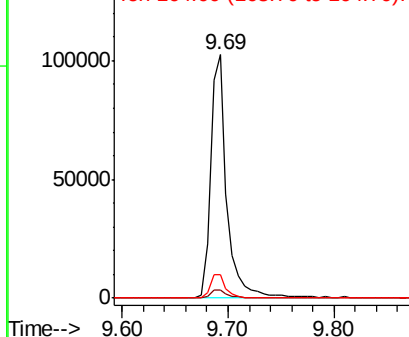


#50
 Dimethylphthalate
 Concen: 14.946 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

Tgt Ion:163 Resp: 110240
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.2 4.8
 164 9.5 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

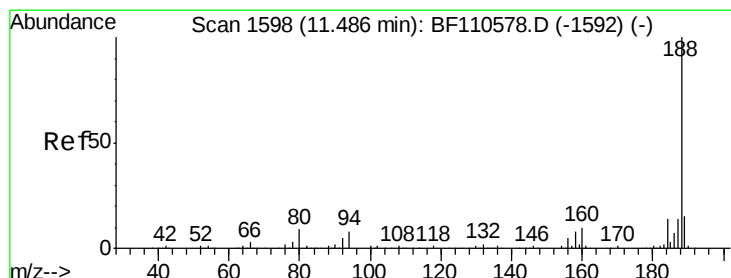
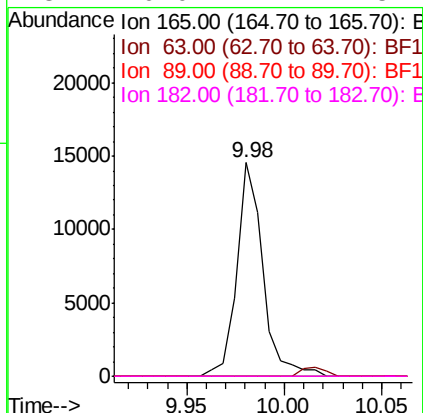
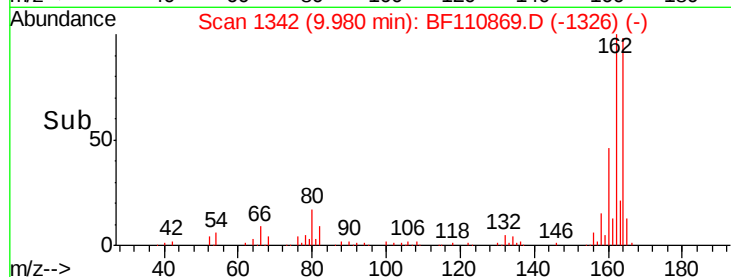
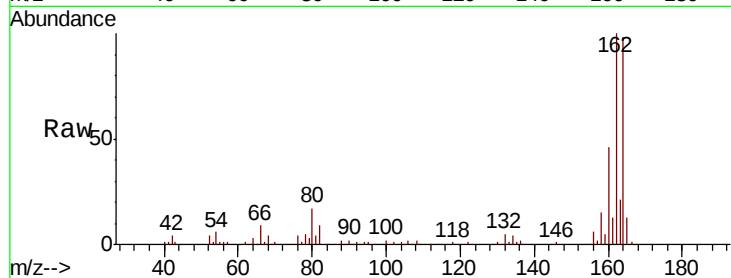




#57
 2,4-Dinitrotoluene
 Concen: 6.370 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

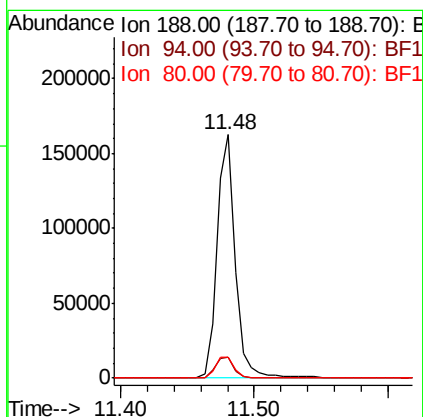
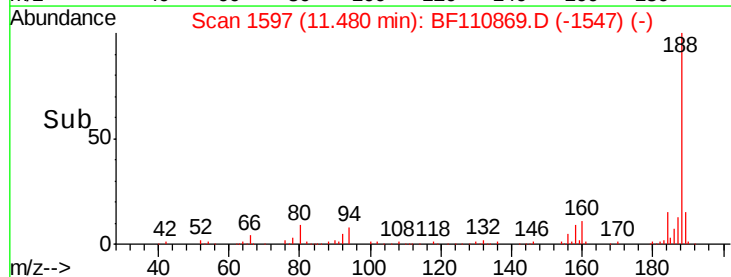
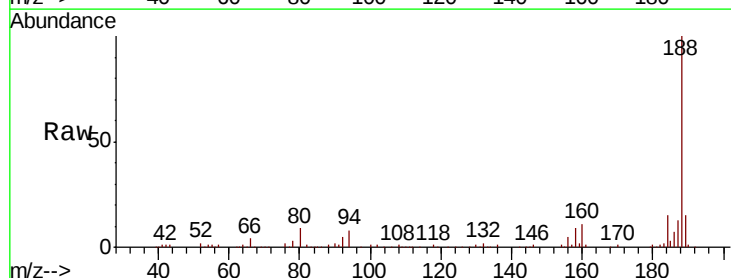
Instrument :
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 FK-GF-02-028-A

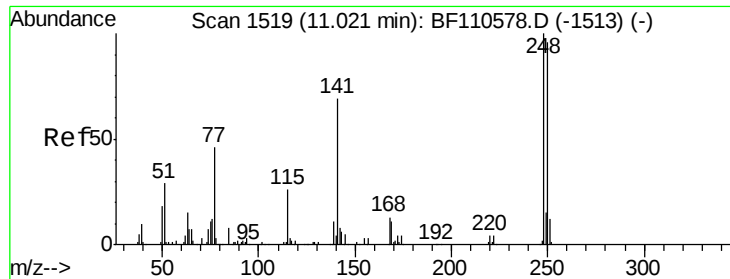
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.2	10.8
80	8.7	7.9	11.9

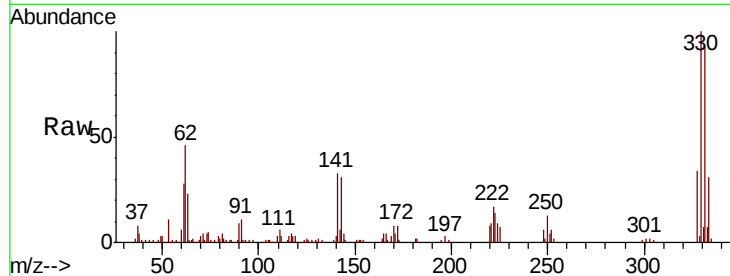




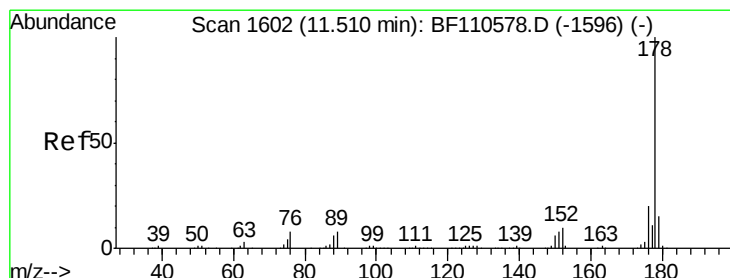
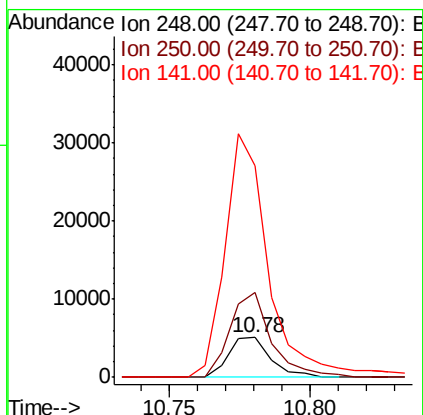
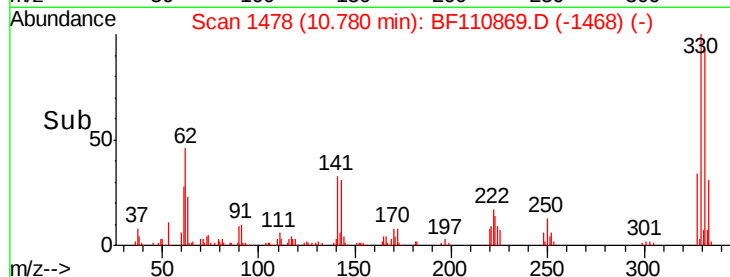
#67
 4-Bromophenyl-phenylether
 Concen: 3.117 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-028-A

Tgt Ion: 248 Resp: 5383
 Ion Ratio Lower Upper
 248 100
 250 211.2 79.4 119.2#
 141 528.6 55.9 83.9#

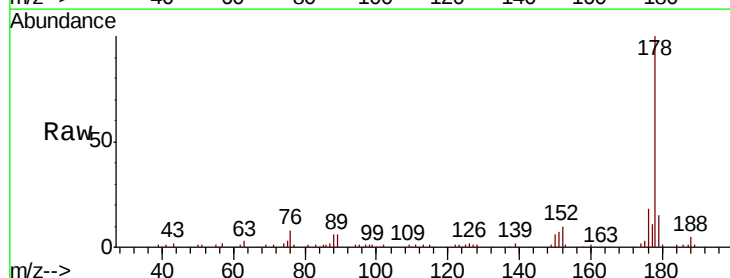


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

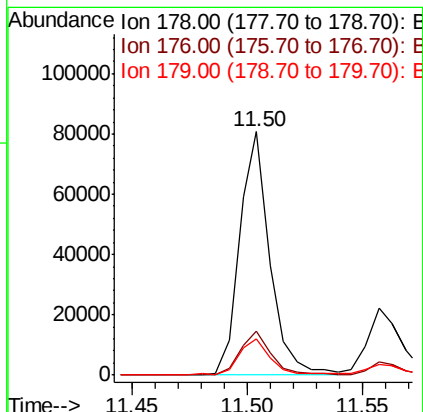
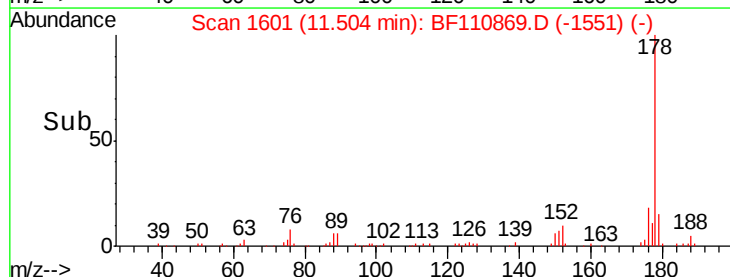


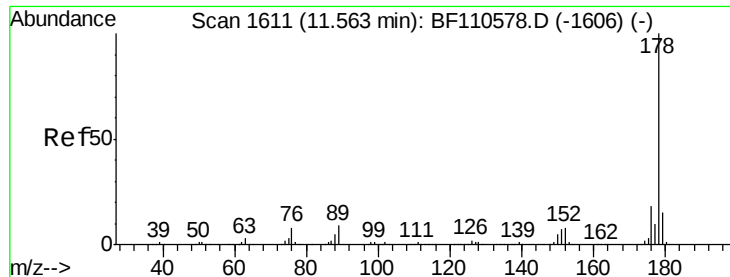
#71
 Phenanthrene
 Concen: 8.818 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

Tgt Ion: 178 Resp: 73822
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.5 23.3
 179 14.7 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





#72

Anthracene

Concen: 3.030 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-028-A

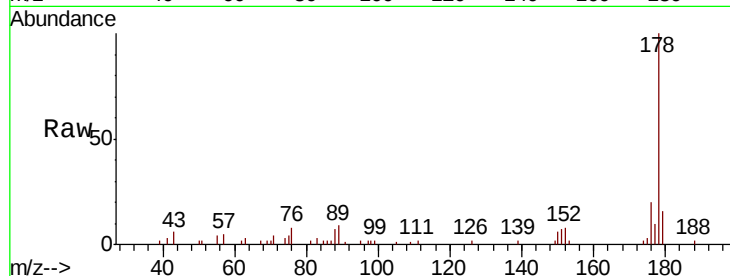
Tgt Ion:178 Resp: 25589

Ion Ratio Lower Upper

178 100

176 20.4 15.4 23.2

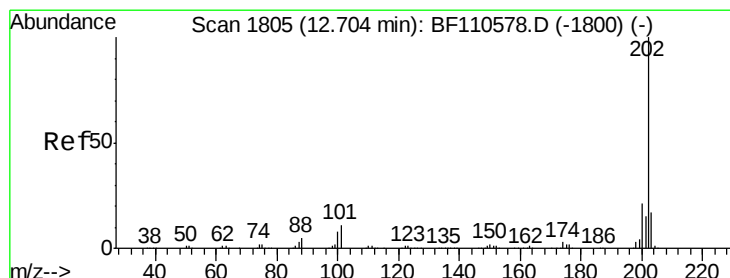
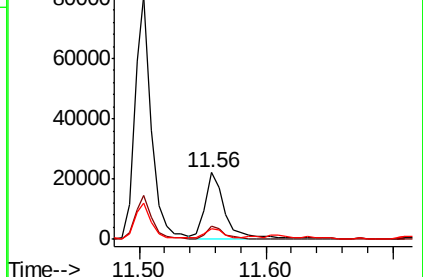
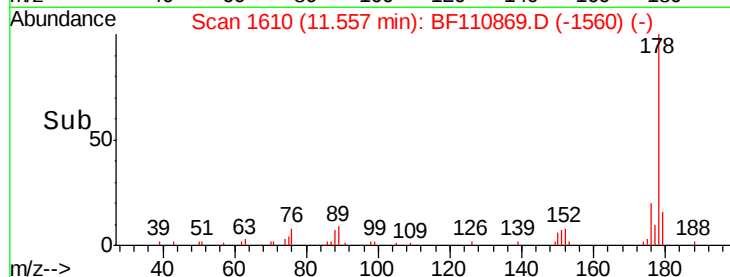
179 15.9 12.6 18.8



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



#75

Fluoranthene

Concen: 16.550 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

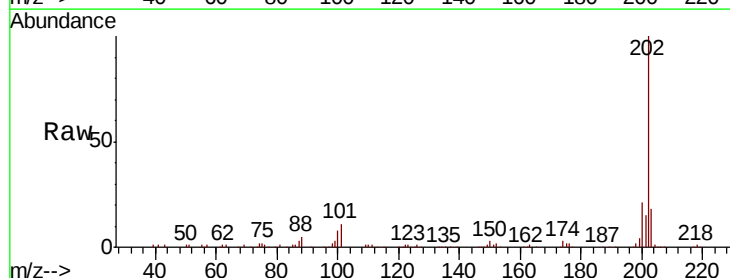
Tgt Ion:202 Resp: 138907

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

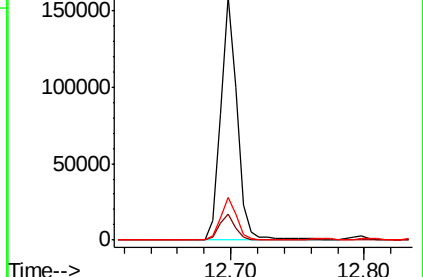
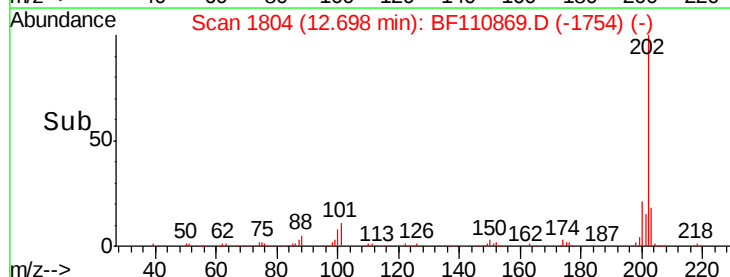
203 17.6 0.0 37.7

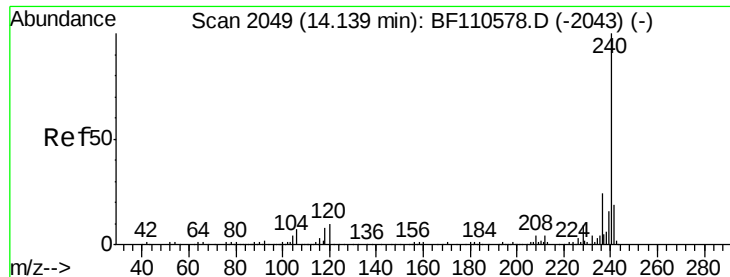


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

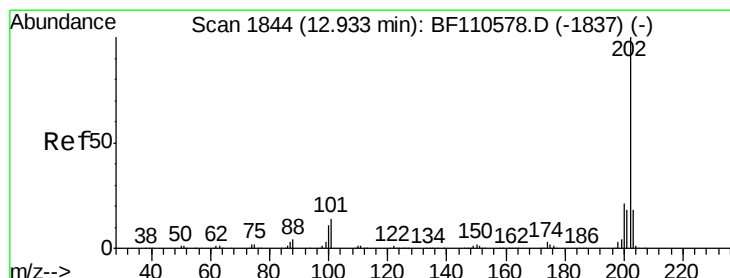
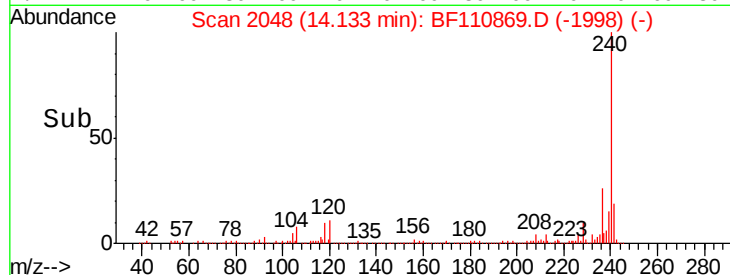
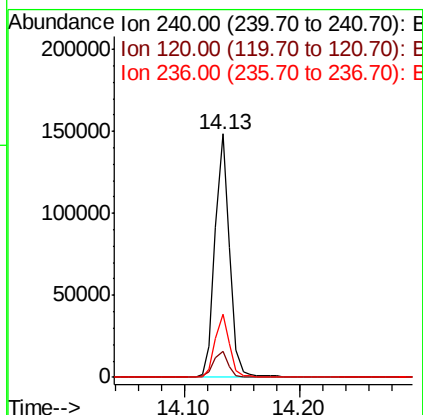
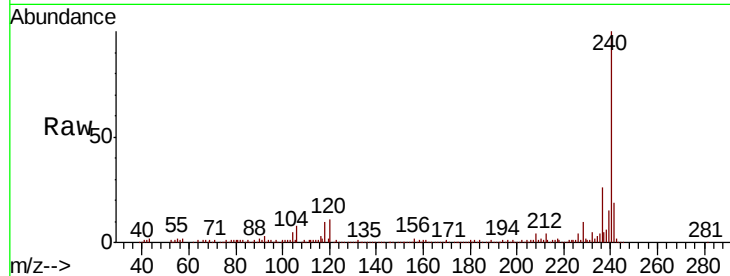




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

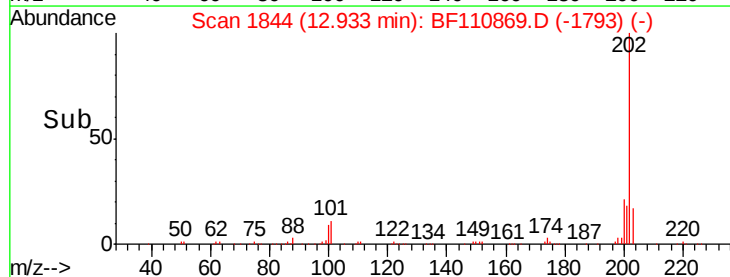
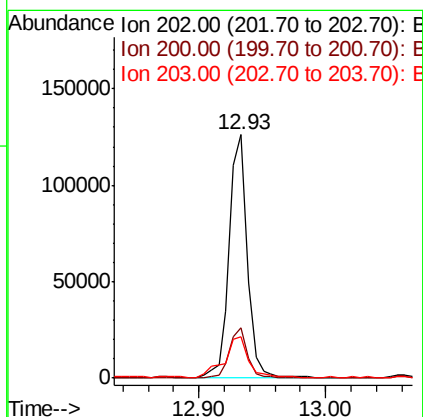
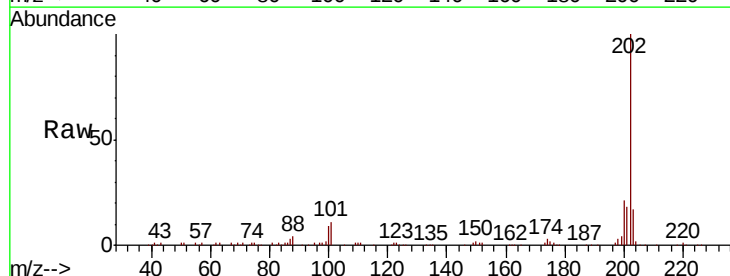
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-A

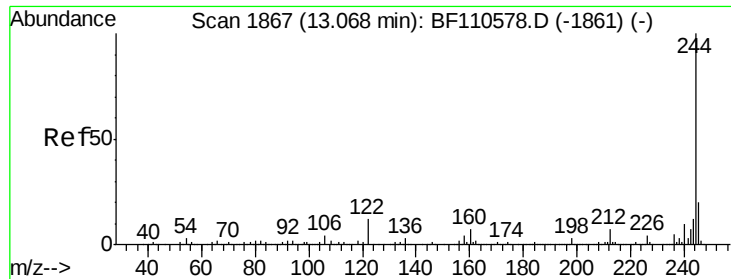
Tgt Ion:240 Resp: 130035
Ion Ratio Lower Upper
240 100
120 10.9 8.3 12.5
236 25.8 21.2 31.8



#78
Pyrene
Concen: 12.525 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion:202 Resp: 125405
Ion Ratio Lower Upper
202 100
200 20.6 17.8 26.6
203 17.2 14.2 21.4





#79

Terphenyl-d14

Concen: 58.846 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-028-A

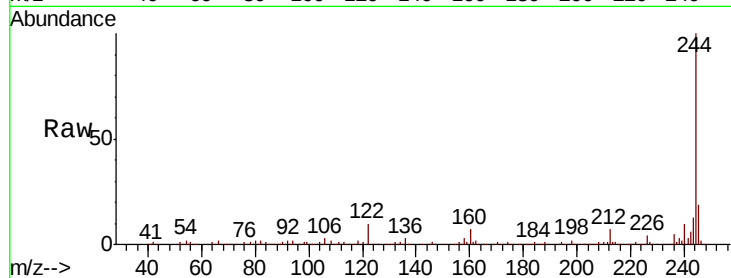
Tgt Ion:244 Resp: 408597

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

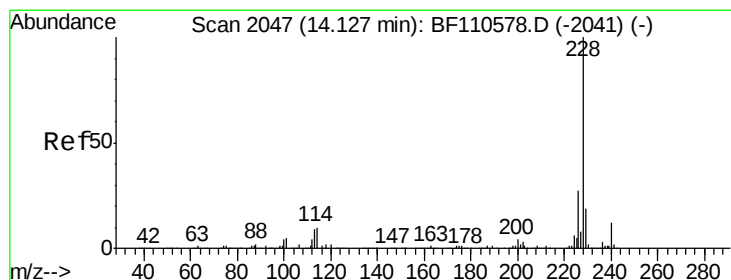
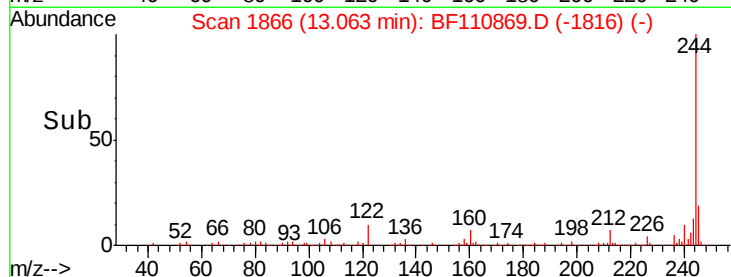
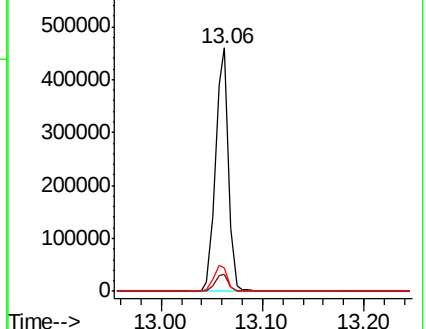
122 9.8 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 8.532 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

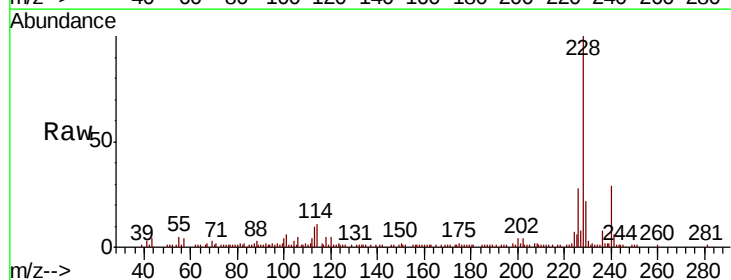
Tgt Ion:228 Resp: 66310

Ion Ratio Lower Upper

228 100

226 28.0 22.1 33.1

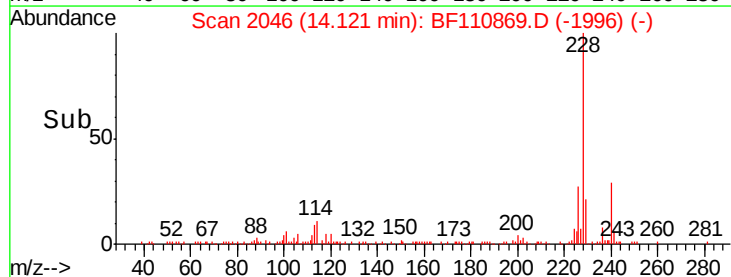
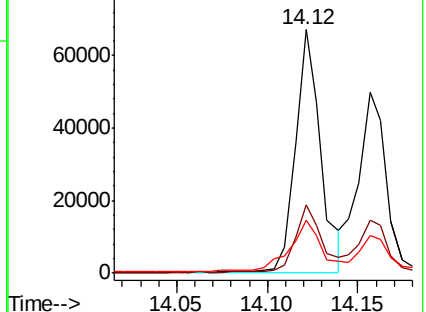
229 21.8 15.6 23.4

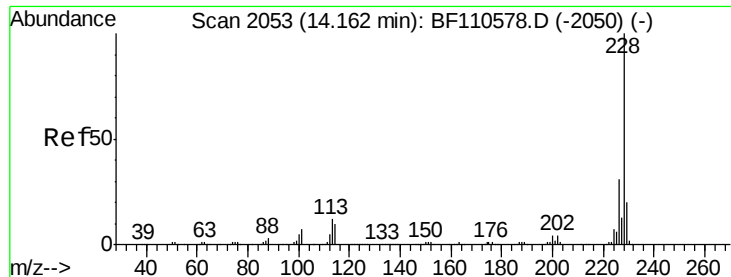


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.346 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-028-A

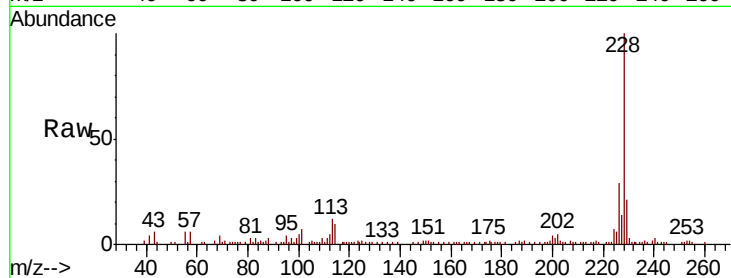
Tgt Ion:228 Resp: 54394

Ion Ratio Lower Upper

228 100

226 29.3 24.7 37.1

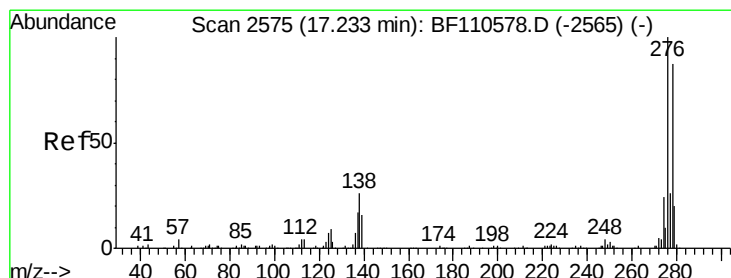
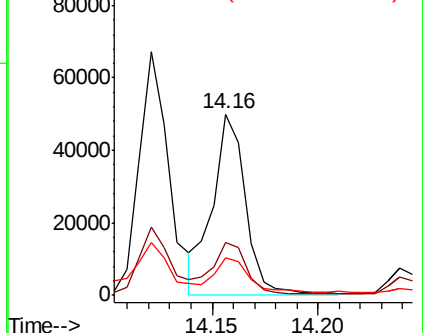
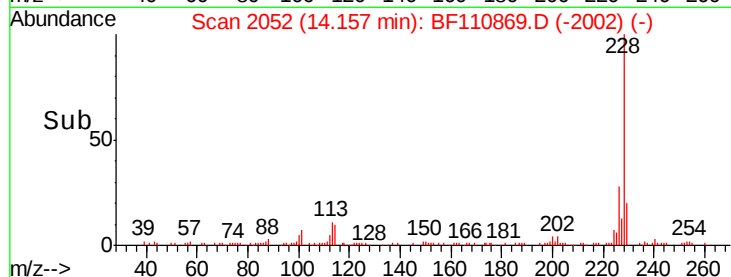
229 21.0 15.9 23.9



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.892 ng

RT: 17.25 min Scan# 2578

Delta R.T. 0.02 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

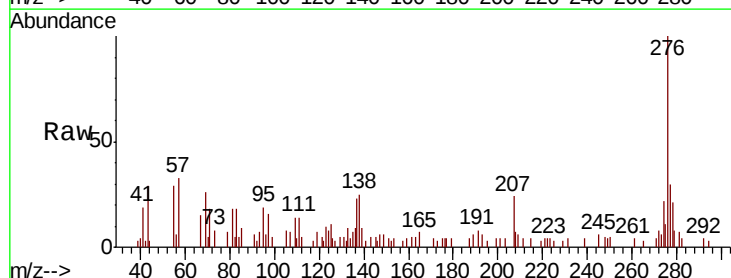
Tgt Ion:276 Resp: 20683

Ion Ratio Lower Upper

276 100

138 25.8 18.5 27.7

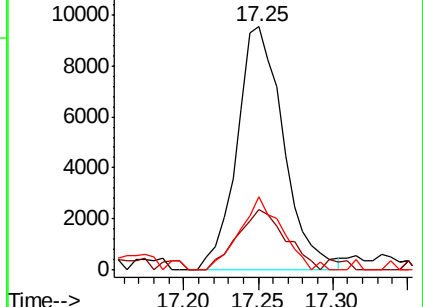
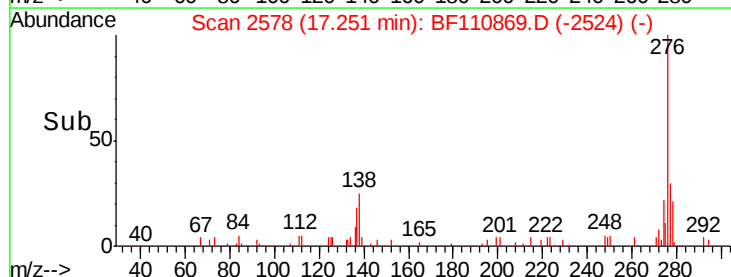
277 27.0 20.0 30.0

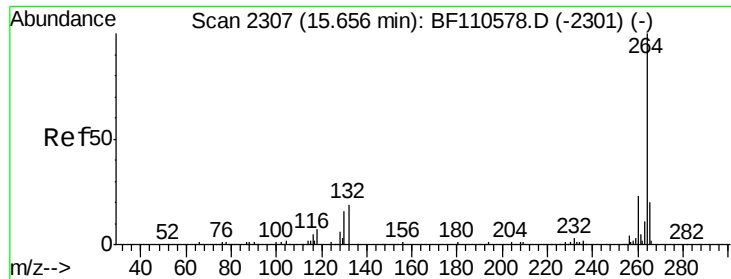


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-028-A

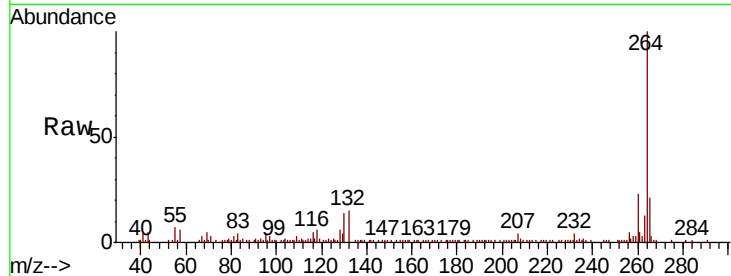
Tgt Ion:264 Resp: 82714

Ion Ratio Lower Upper

264 100

260 22.6 18.7 28.1

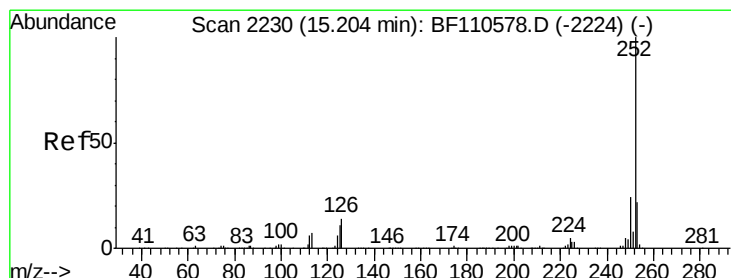
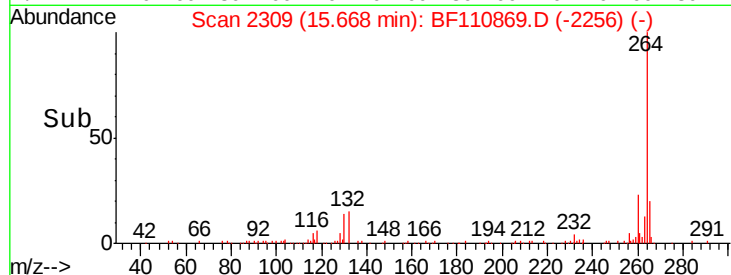
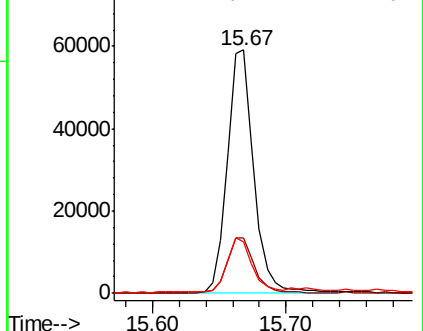
265 21.1 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 14.547 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

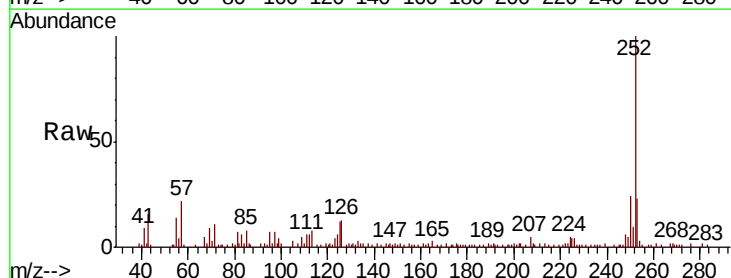
Tgt Ion:252 Resp: 71981

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

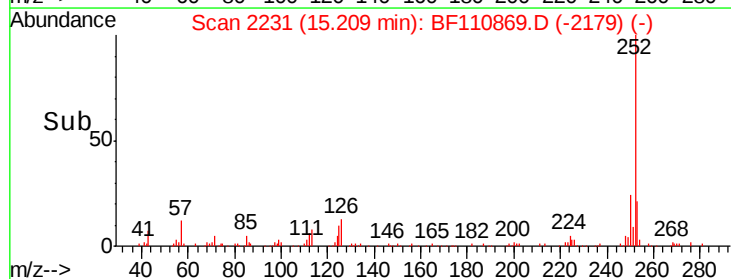
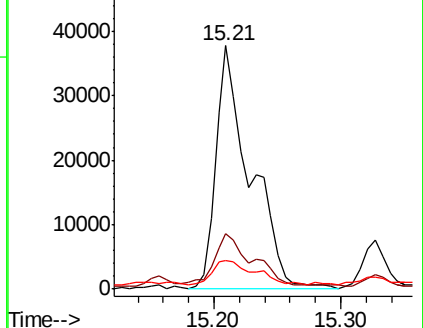
125 11.7 8.2 12.4

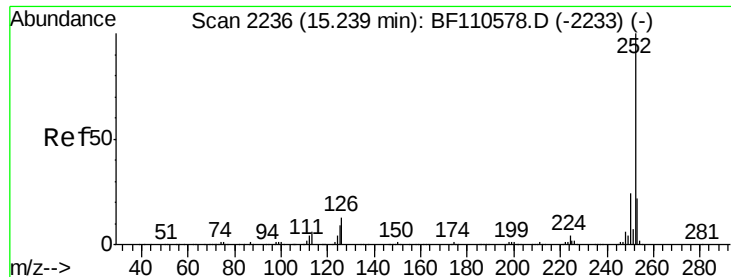


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

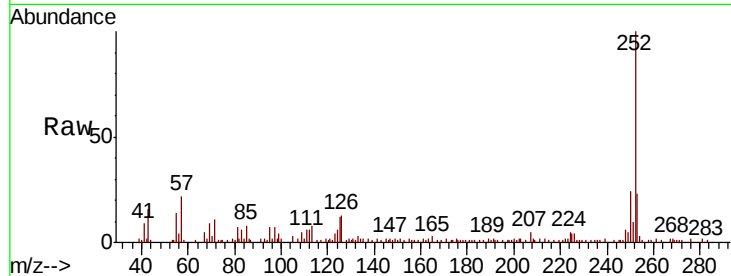




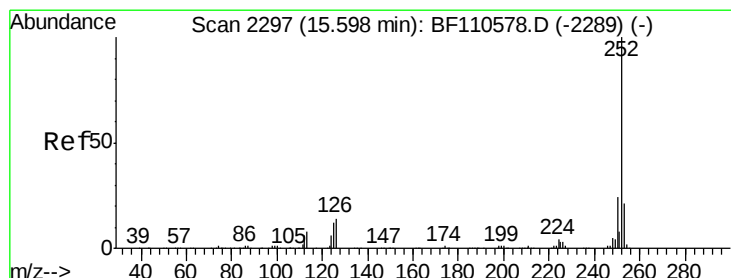
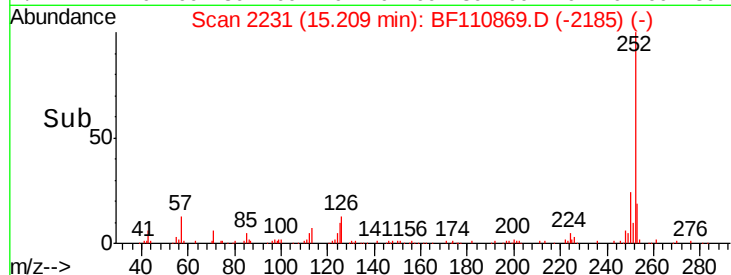
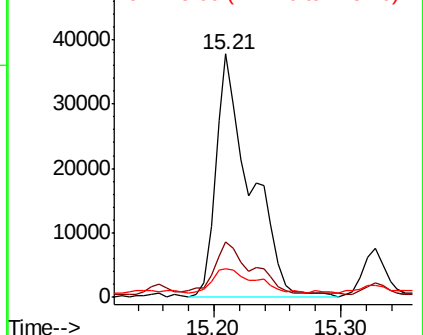
#89
Benzo(k)fluoranthene
Concen: 14.722 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-A

Tgt Ion:252 Resp: 71981
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 11.7 7.4 11.0#

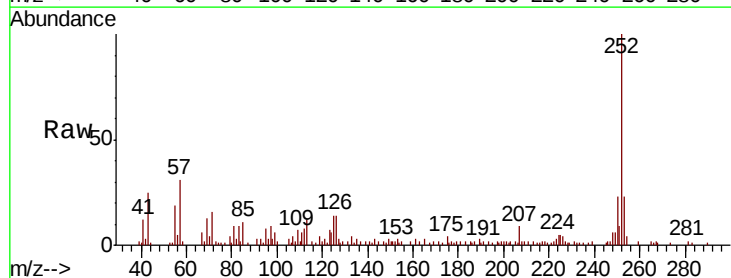


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

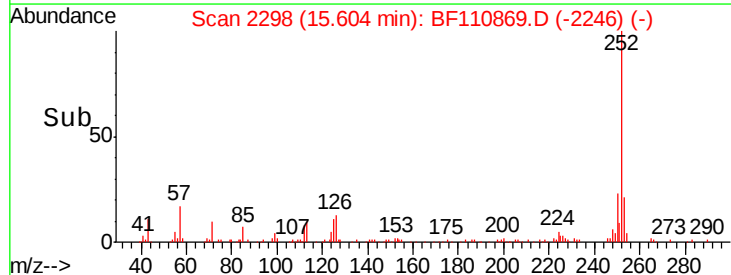
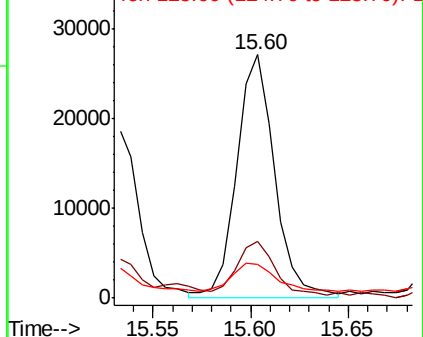


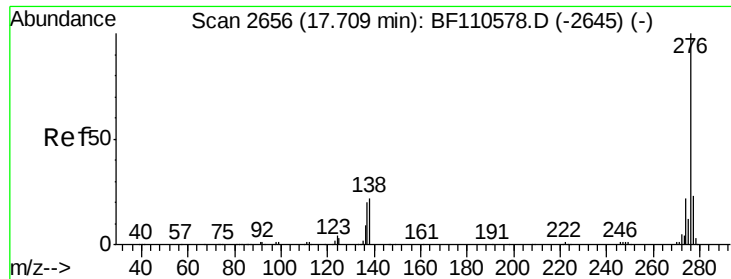
#90
Benzo(a)pyrene
Concen: 8.160 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion:252 Resp: 36684
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 13.7 9.0 13.6#



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





#92

Benzo(g,h,i)perylene

Concen: 5.238 ng

RT: 17.74 min Scan# 2661

Delta R.T. 0.03 min

Lab File: BF110869.D

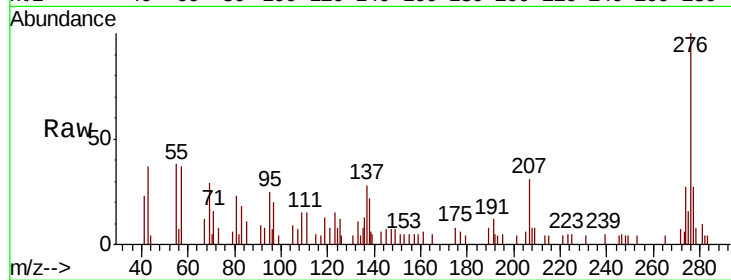
Acq: 19 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-028-A



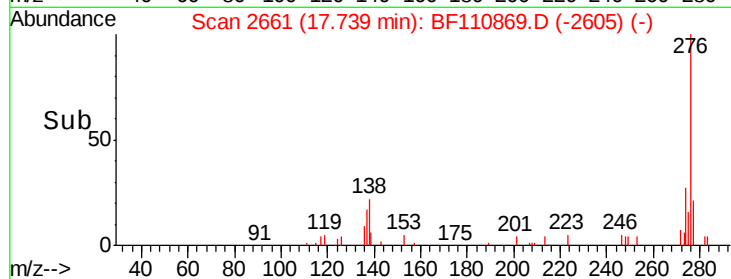
Tgt Ion: 276 Resp: 19773

Ion Ratio Lower Upper

276 100

277 27.3 18.8 28.2

138 27.2 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

