

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\
 Data File : BF081023.D
 Acq On : 18 Aug 2015 1:39
 Operator : UM/IZ
 Sample : G3252-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-017-A

Quant Time: Aug 18 02:10:35 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

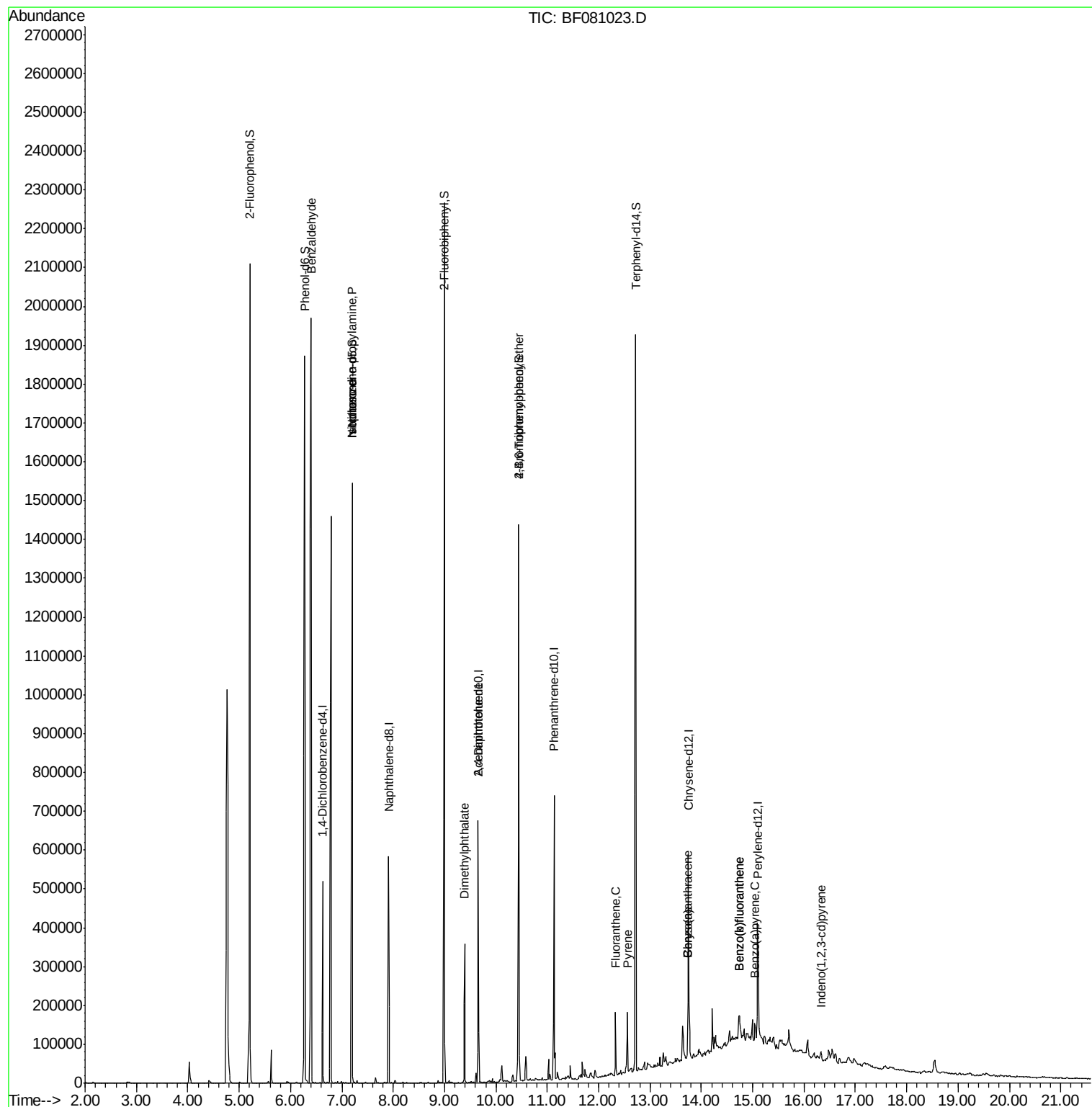
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	72446	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	257908	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	122518	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	247768	20.00	ng	0.00
75) Chrysene-d12	13.75	240	161203	20.00	ng	0.00
86) Perylene-d12	15.10	264	143944	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	572581	118.88	ng	0.02
7) Phenol-d6	6.27	99	740825	117.88	ng	0.01
23) Nitrobenzene-d5	7.20	82	556833	98.63	ng	0.01
41) 2,4,6-Tribromophenol	10.44	330	128769	121.25	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	660796	70.67	ng	0.00
78) Terphenyl-d14	12.72	244	565415	75.19	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.40	77	16987	4.19	ng	83
19) n-Nitroso-di-n-propylamine	7.20	70	76706	17.62	ng	# 69
25) Isophorone	7.20	82	534770	50.79	ng	# 71
49) Dimethylphthalate	9.39	163	170577	16.91	ng	98
56) 2,4-Dinitrotoluene	9.66	165	15625	5.44	ng	# 17
66) 4-Bromophenyl-phenylether	10.44	248	10867	4.46	ng	# 1
74) Fluoranthene	12.33	202	60706	3.83	ng	95
77) Pyrene	12.56	202	52081	3.97	ng	97
80) Benzo(a)anthracene	13.74	228	29511	2.73	ng	94
82) Chrysene	13.74	228	29511	3.03	ng	97
85) Indeno(1,2,3-cd)pyrene	16.33	276	14531	2.12	ng	# 81
87) Benzo(b)fluoranthene	14.73	252	42784	4.20	ng	# 88
88) Benzo(k)fluoranthene	14.73	252	42784	4.51	ng	# 91
89) Benzo(a)pyrene	15.04	252	22900	2.58	ng	# 88

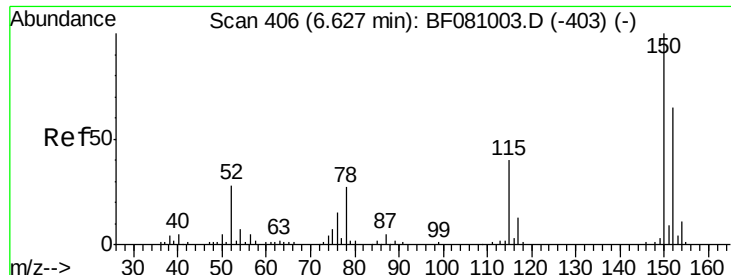
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-017-A

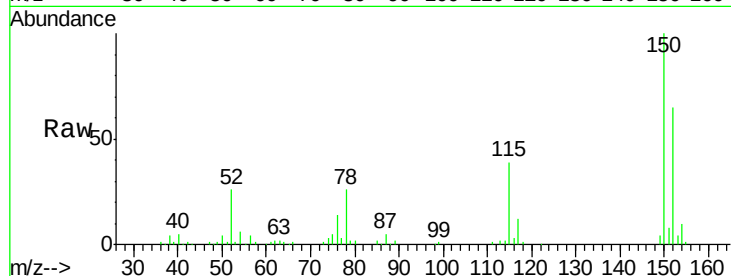
Tot Ion:152 Resp: 72446

Ion Ratio Lower Upper

152 100

150 154.6 123.8 185.6

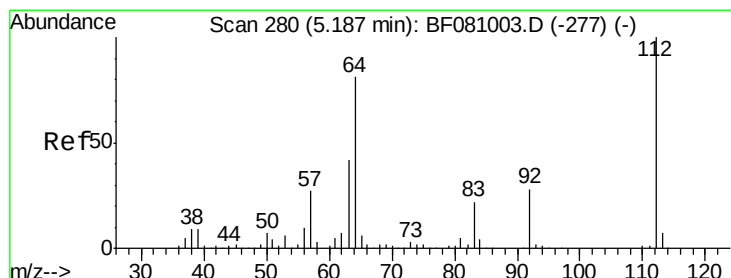
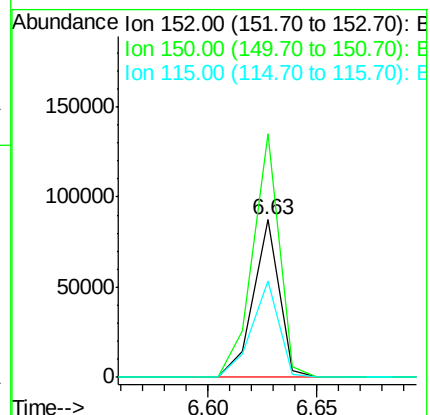
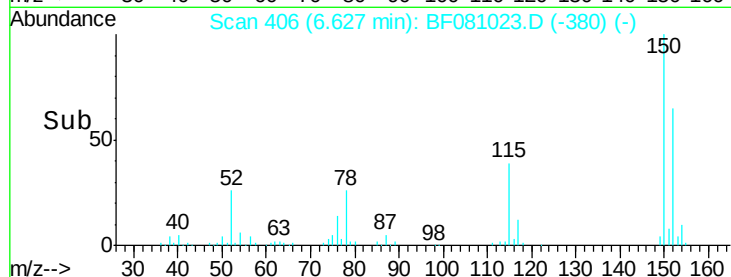
115 60.9 52.1 78.1



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: 118.88 ng

RT: 5.21 min Scan# 282

Delta R.T. 0.02 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

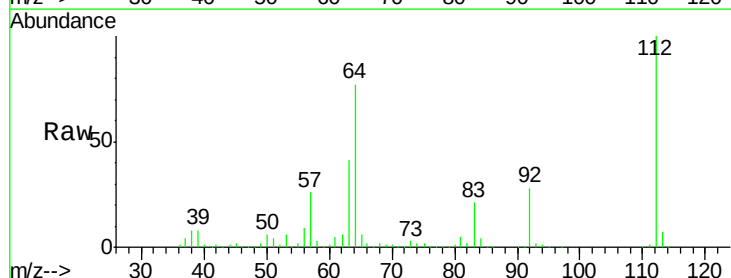
Tgt Ion:112 Resp: 572581

Ion Ratio Lower Upper

112 100

64 77.3 66.9 100.3

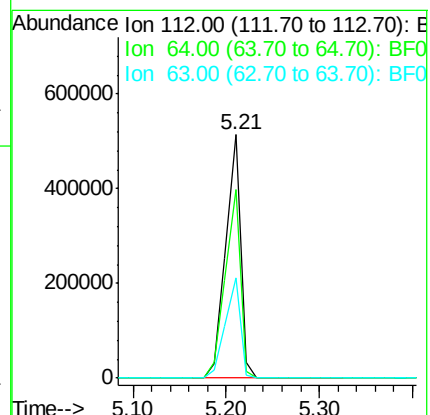
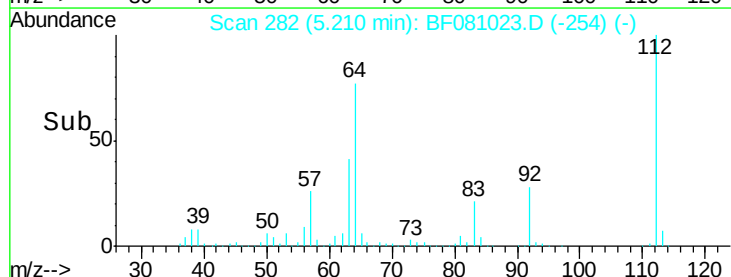
63 41.2 38.1 57.1

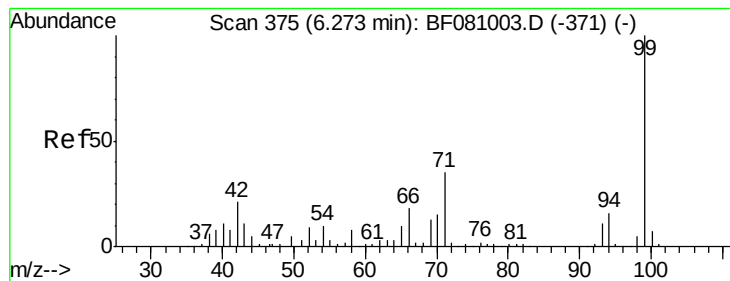


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.88 ng

RT: 6.27 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-017-A

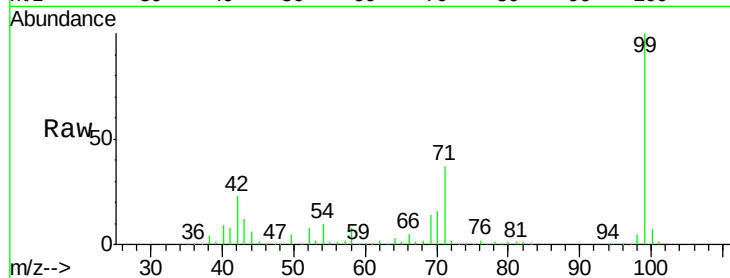
Tot Ion: 99 Resp: 740825

Ion Ratio Lower Upper

99 100

42 23.4 19.6 29.4

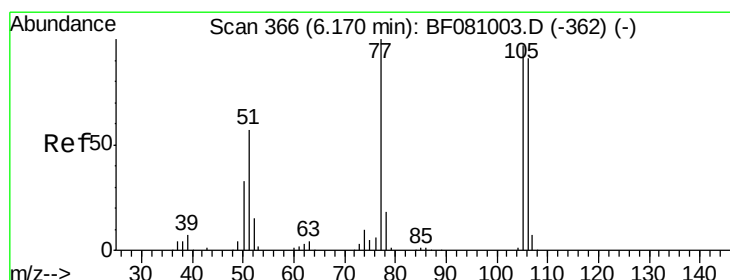
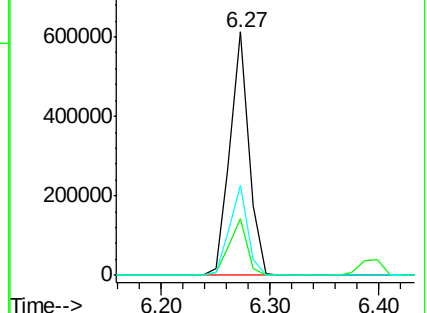
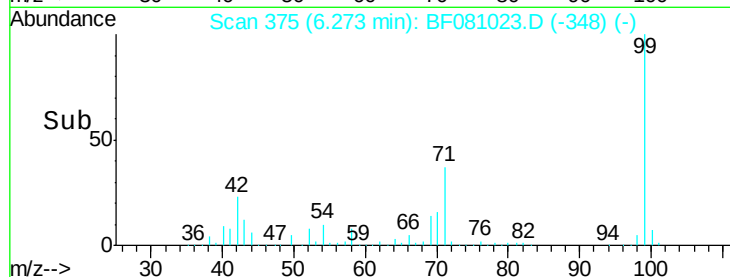
71 36.8 31.2 46.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.19 ng

RT: 6.40 min Scan# 386

Delta R.T. 0.24 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

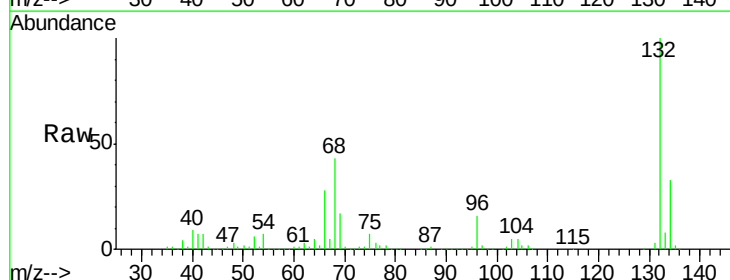
Tgt Ion: 77 Resp: 16987

Ion Ratio Lower Upper

77 100

105 74.2 69.6 109.6

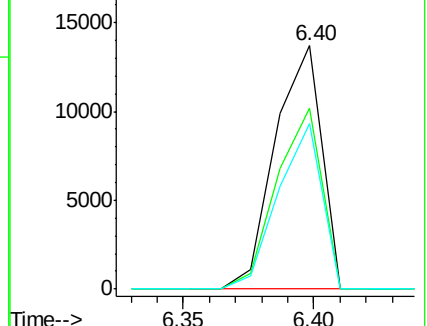
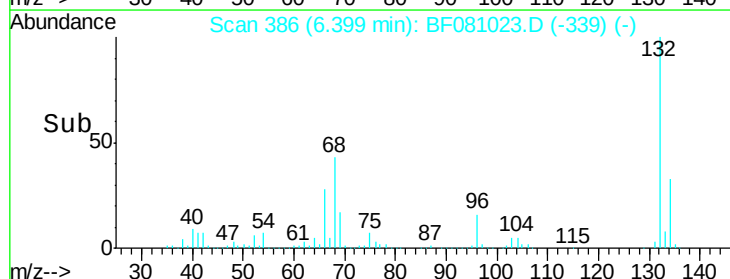
106 68.1 64.0 104.0

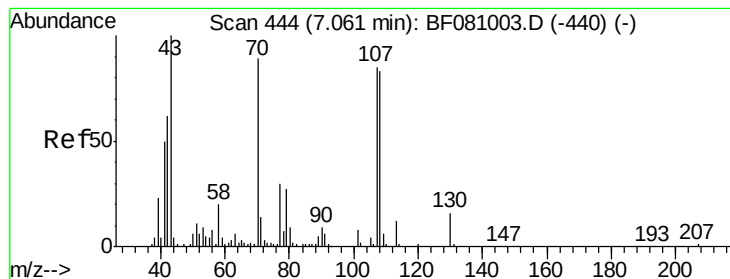


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.62 ng

RT: 7.20 min Scan# 456

Delta R.T. 0.15 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-017-A

Tot Ion: 70 Resp: 76706

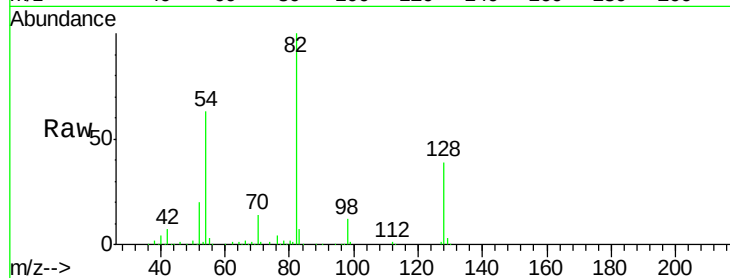
Ion Ratio Lower Upper

70 100

42 53.3 65.0 97.4#

101 0.0 7.4 11.2#

130 1.7 13.0 19.4#

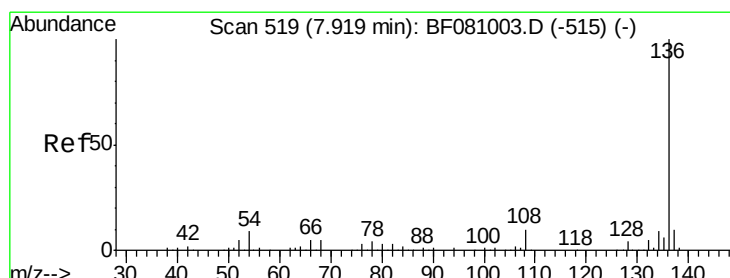
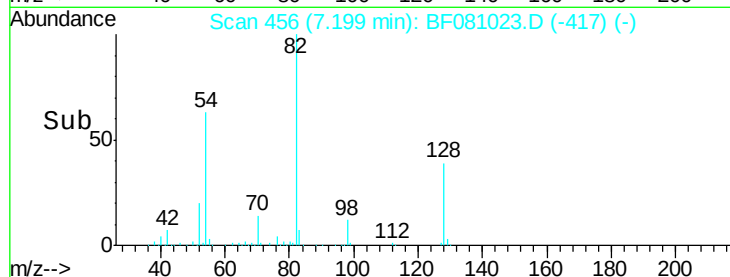
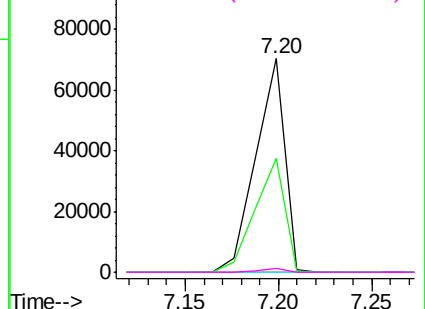


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

Tgt Ion: 136 Resp: 257908

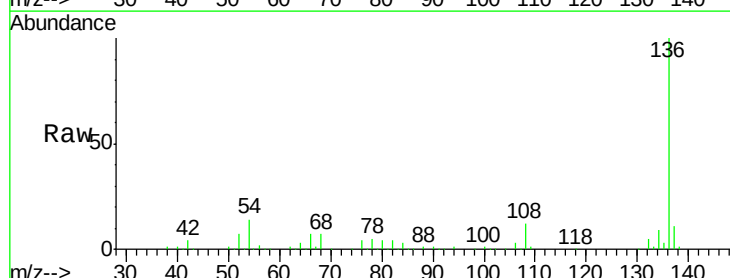
Ion Ratio Lower Upper

136 100

137 11.2 8.2 12.2

54 14.3 7.7 11.5#

68 6.9 3.4 5.2#

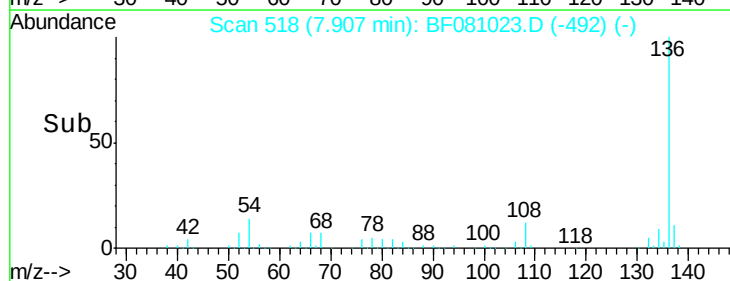
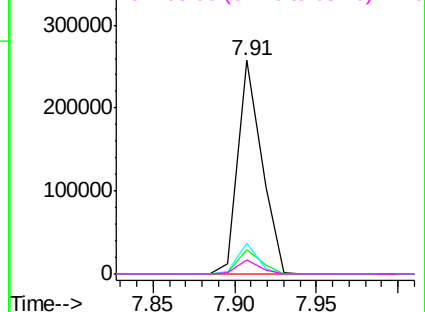


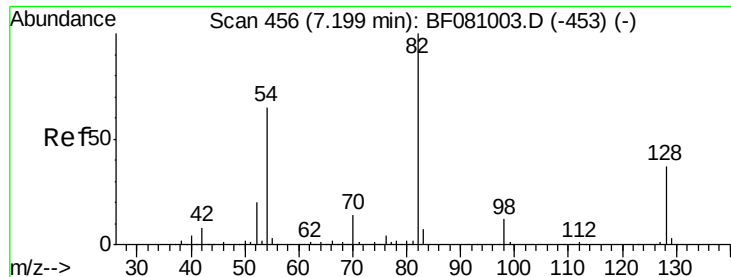
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

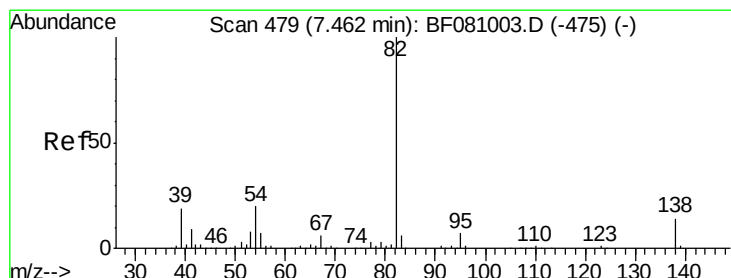
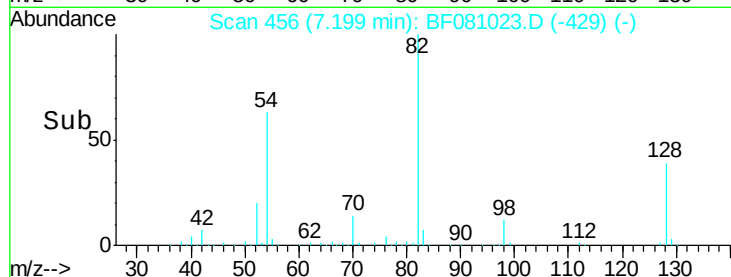
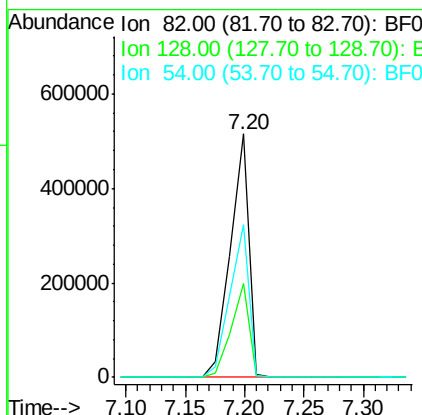
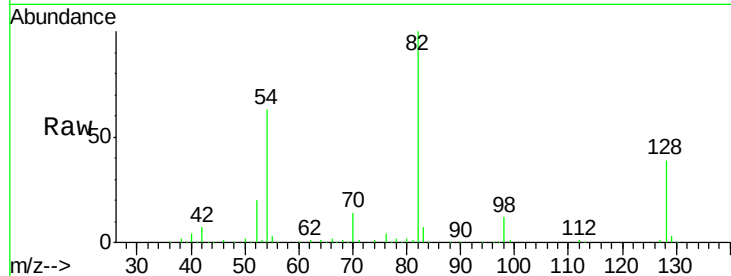




#23
 Nitrobenzene-d5
 Concen: 98.63 ng
 RT: 7.20 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: BF081023.D
 Acq: 18 Aug 2015 1:39

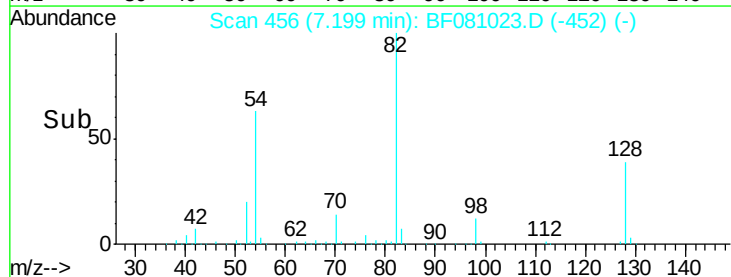
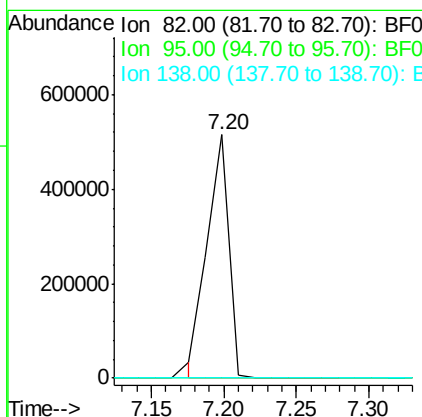
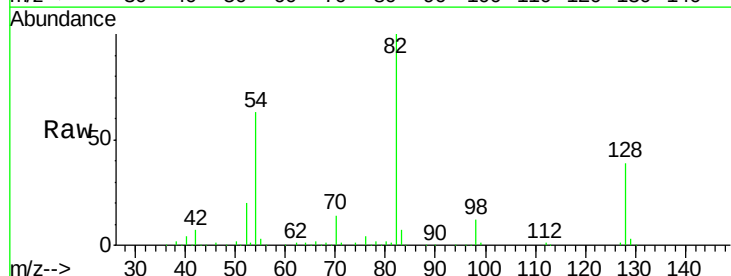
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-017-A

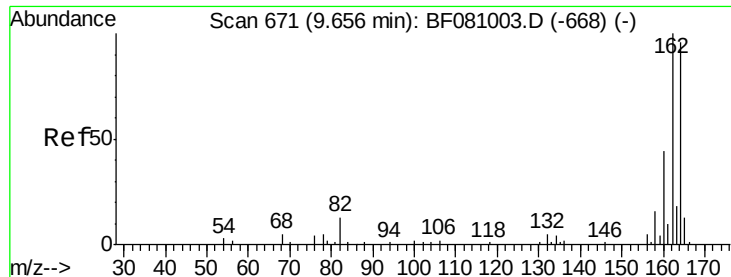
Tot Ion	82	Resp	556833
Ion Ratio	Lower	Upper	
82	100		
128	38.8	28.6	42.8
54	63.0	55.1	82.7



#25
 Isophorone
 Concen: 50.79 ng
 RT: 7.20 min Scan# 456
 Delta R.T. -0.25 min
 Lab File: BF081023.D
 Acq: 18 Aug 2015 1:39

Tgt Ion	82	Resp	534770
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.2	9.2#
138	0.0	10.5	15.7#

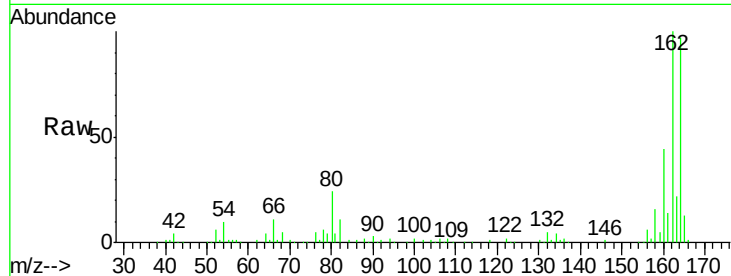




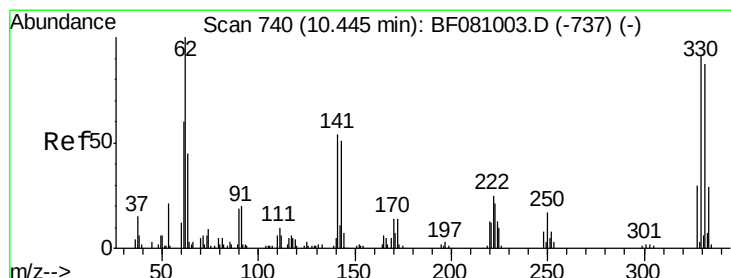
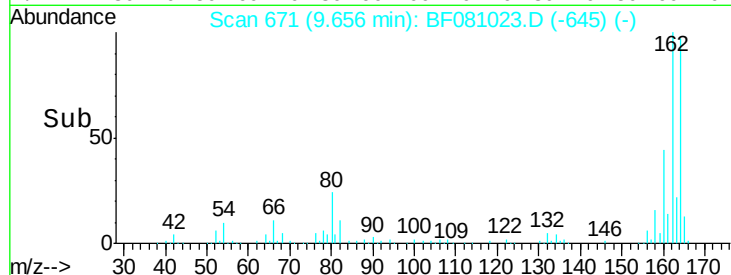
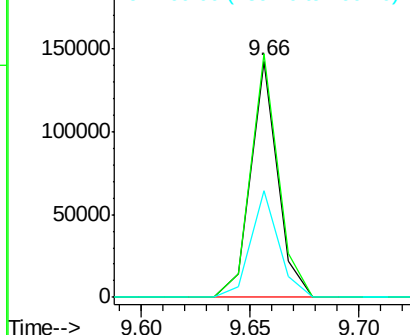
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF081023.D
 Acq: 18 Aug 2015 1:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-017-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.8	125.8
160	45.4	39.8	59.8

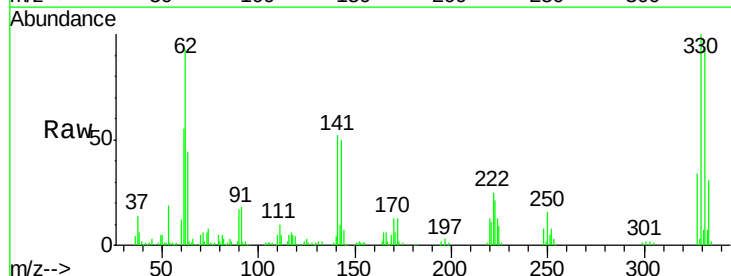


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

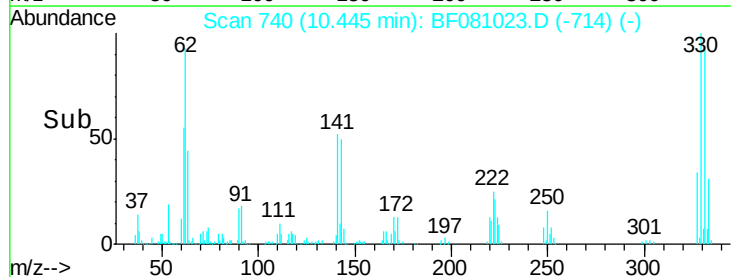
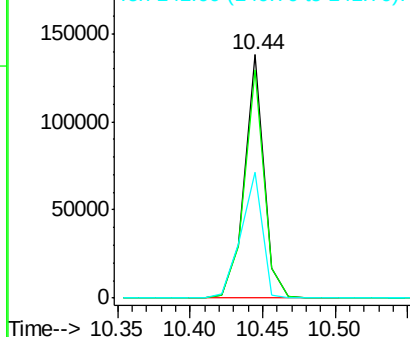


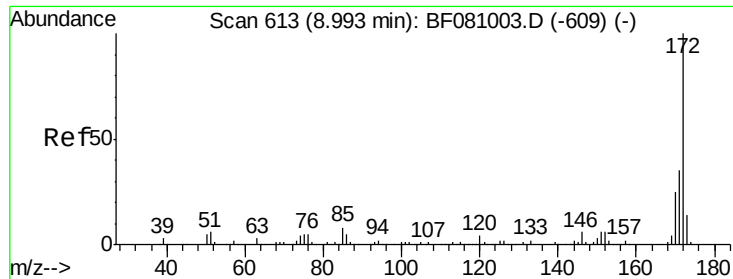
#41
 2,4,6-Tribromophenol
 Concen: 121.25 ng
 RT: 10.44 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF081023.D
 Acq: 18 Aug 2015 1:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.3	115.9
141	57.0	44.9	67.3



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

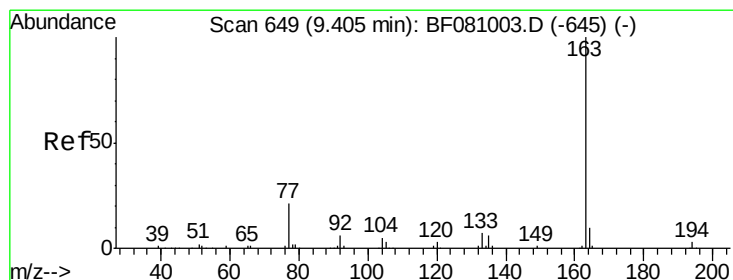
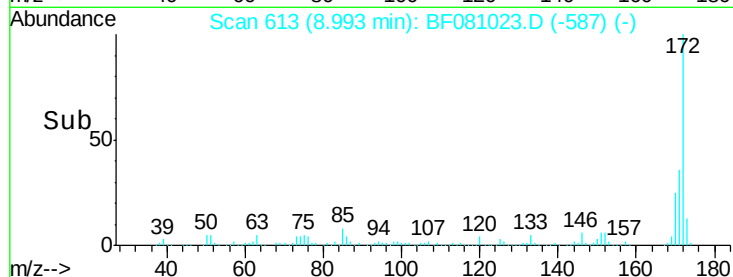
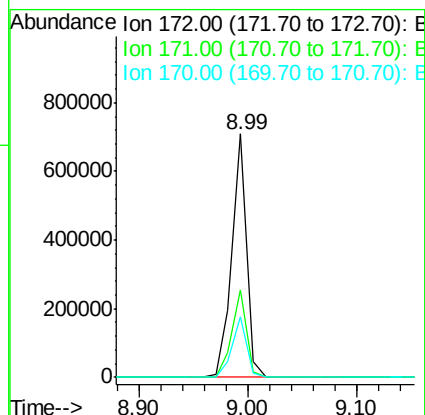
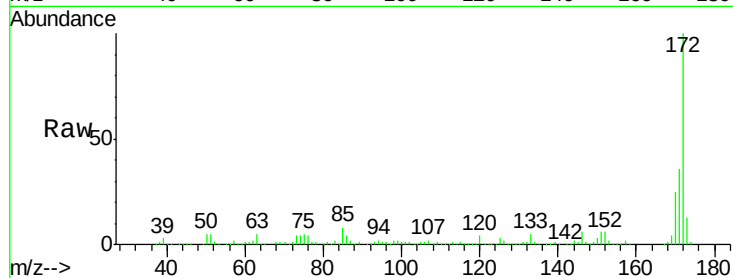




#44
2-Fluorobiphenyl
Concen: 70.67 ng
RT: 8.99 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF081023.D
Acq: 18 Aug 2015 1:39

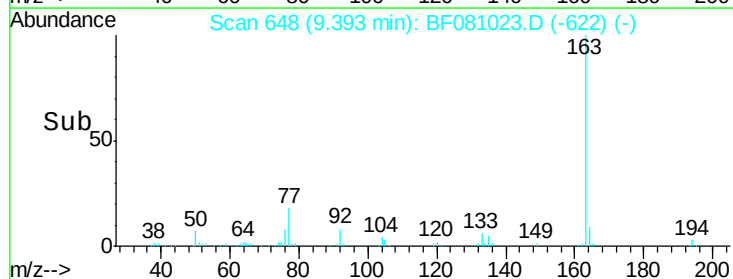
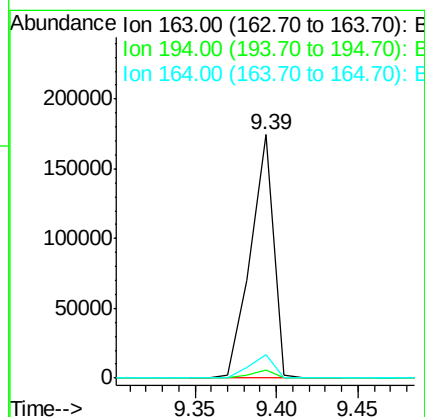
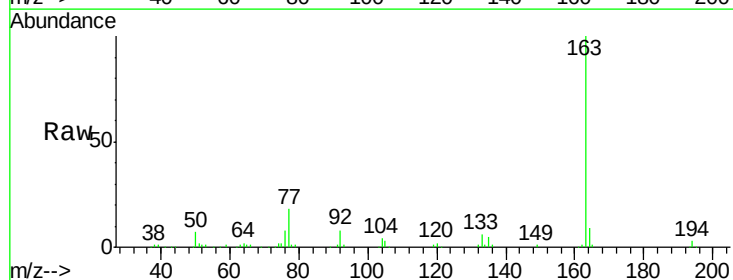
Instrument :
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FK-GF-01-017-A

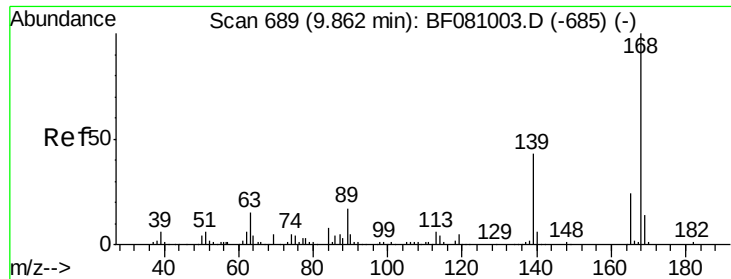
Tot Ion:172 Resp: 660796
Ion Ratio Lower Upper
172 100
171 36.0 28.9 43.3
170 24.9 19.4 29.2



#49
Dimethylphthalate
Concen: 16.91 ng
RT: 9.39 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF081023.D
Acq: 18 Aug 2015 1:39

Tgt Ion:163 Resp: 170577
Ion Ratio Lower Upper
163 100
194 3.3 2.5 3.7
164 9.4 8.1 12.1

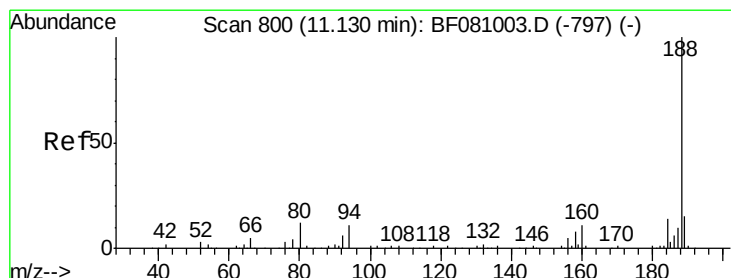
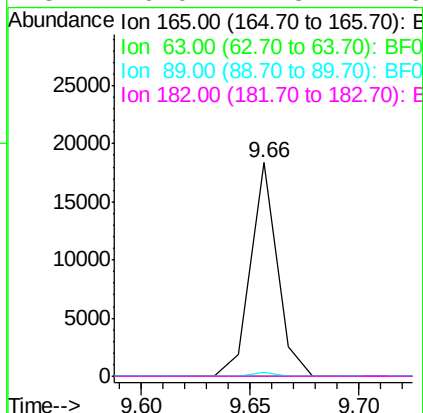
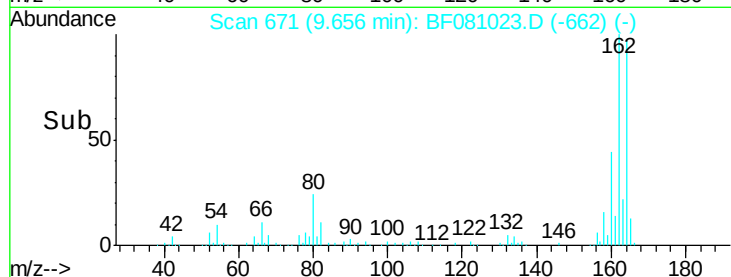
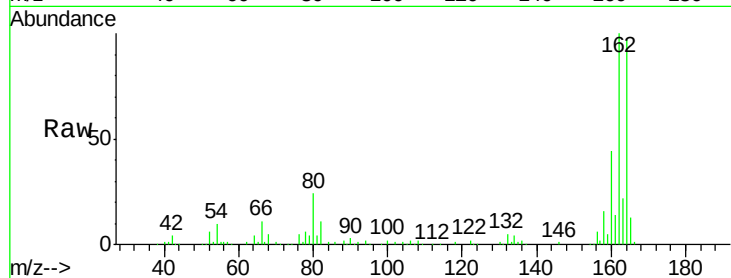




#56
 2,4-Dinitrotoluene
 Concen: 5.44 ng
 RT: 9.66 min Scan# 671
 Delta R.T. -0.19 min
 Lab File: BF081023.D
 Acq: 18 Aug 2015 1:39

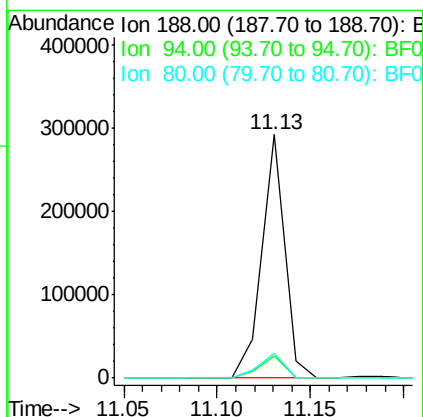
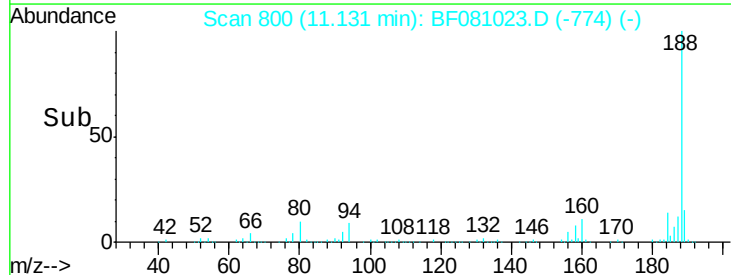
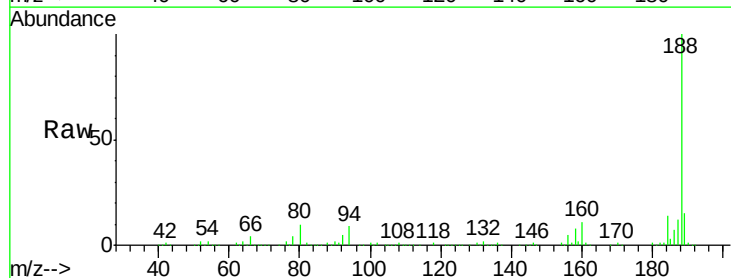
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-017-A

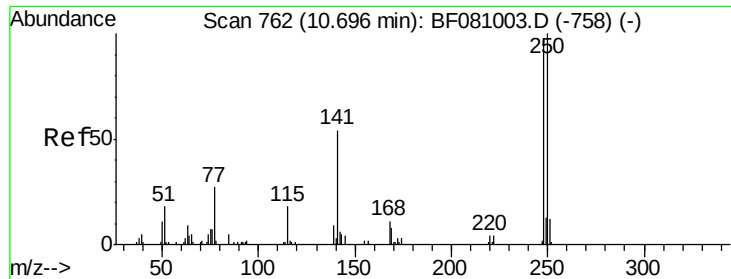
Tot Ion:	165	Resp:	15625
Ion Ratio	Lower	Upper	
165	100		
63	0.0	52.2	78.4#
89	2.1	60.1	90.1#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF081023.D
 Acq: 18 Aug 2015 1:39

Tgt Ion:	188	Resp:	247768
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.2	12.2
80	10.3	9.5	14.3





#66

4-Bromophenyl-phenylether

Concen: 4.46 ng

RT: 10.44 min Scan# 740

Delta R.T. -0.24 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-017-A

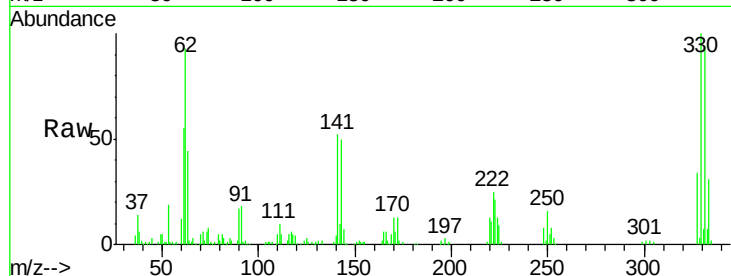
Tot Ion:248 Resp: 10867

Ion Ratio Lower Upper

248 100

250 192.3 77.8 116.6#

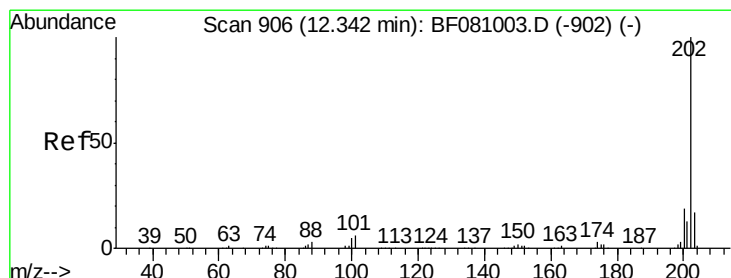
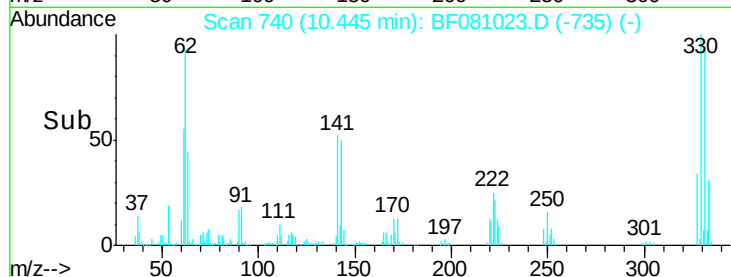
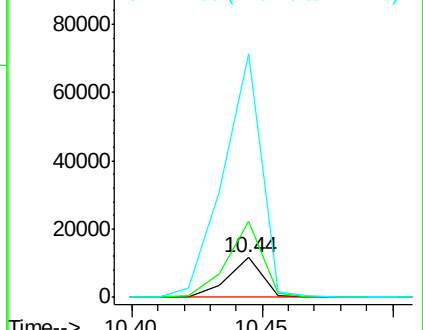
141 616.1 39.8 59.6#



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



#74

Fluoranthene

Concen: 3.83 ng

RT: 12.33 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

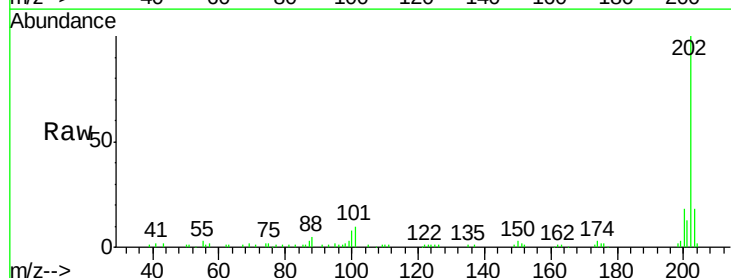
Tgt Ion:202 Resp: 60706

Ion Ratio Lower Upper

202 100

101 10.4 0.0 24.8

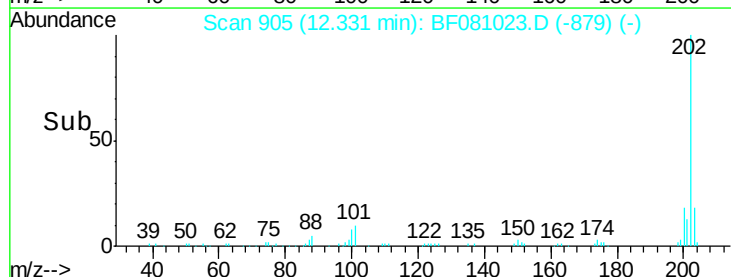
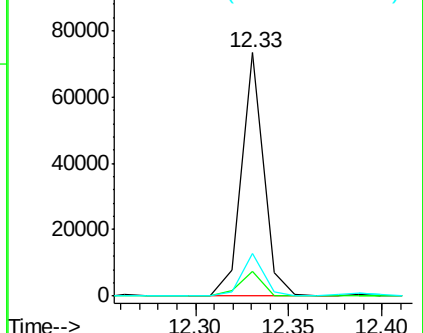
203 17.6 0.0 36.9

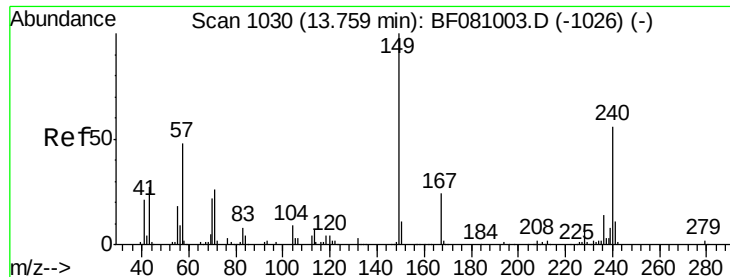


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-017-A

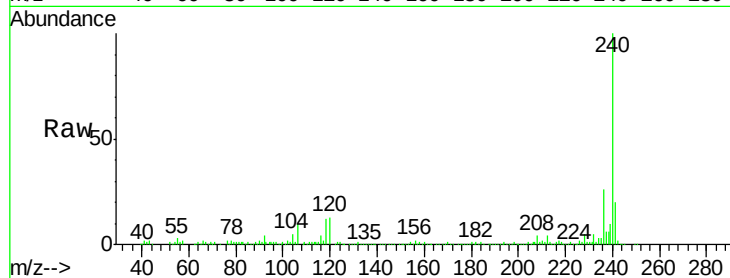
Tot Ion:240 Resp: 161203

Ion Ratio Lower Upper

240 100

120 13.3 5.6 8.4#

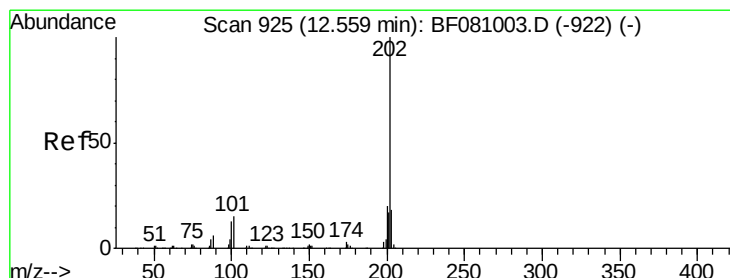
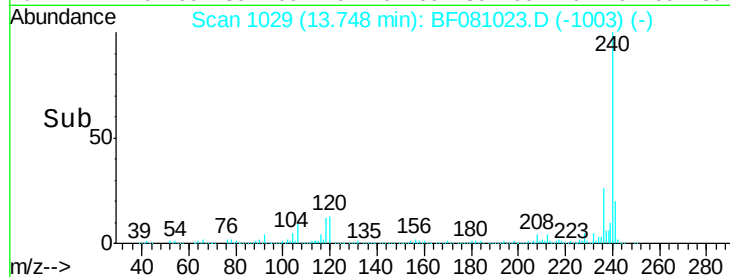
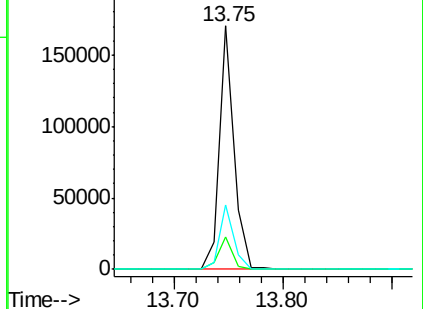
236 26.4 20.6 30.8



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: 3.97 ng

RT: 12.56 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

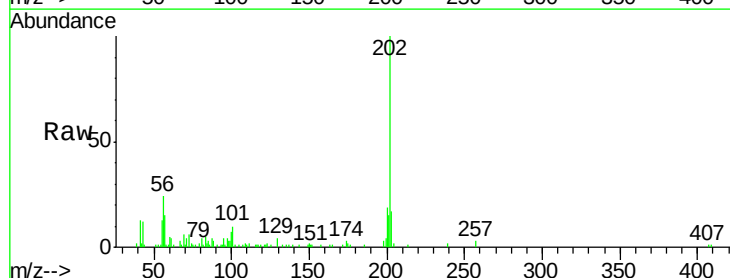
Tgt Ion:202 Resp: 52081

Ion Ratio Lower Upper

202 100

200 18.6 16.6 24.8

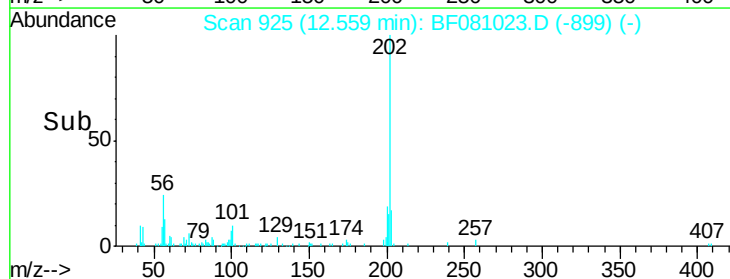
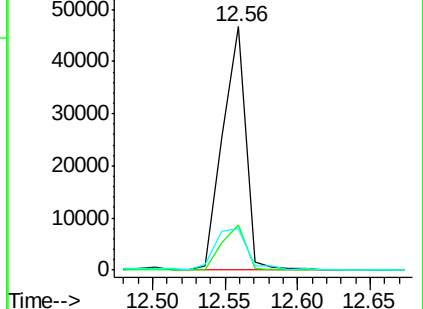
203 17.1 14.1 21.1

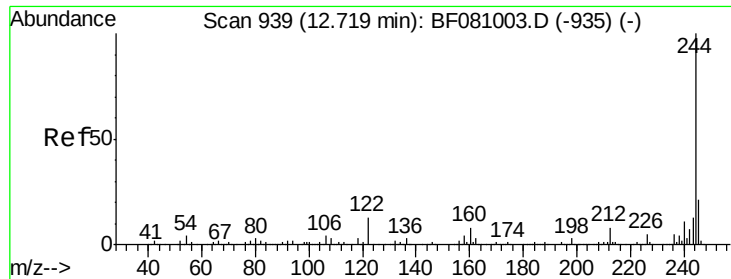


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.19 ng

RT: 12.72 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-017-A

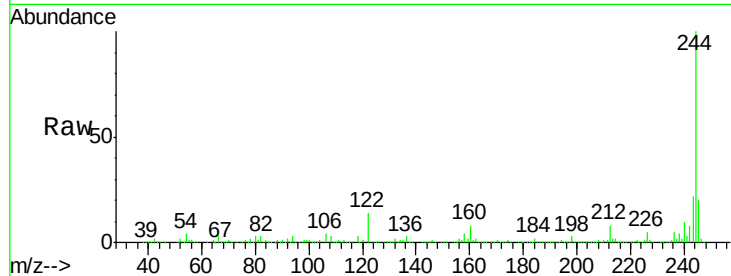
Tot Ion:244 Resp: 565415

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

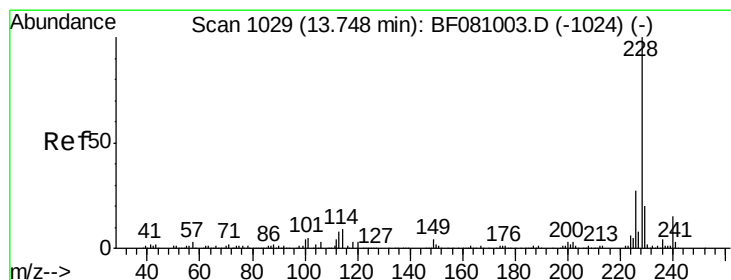
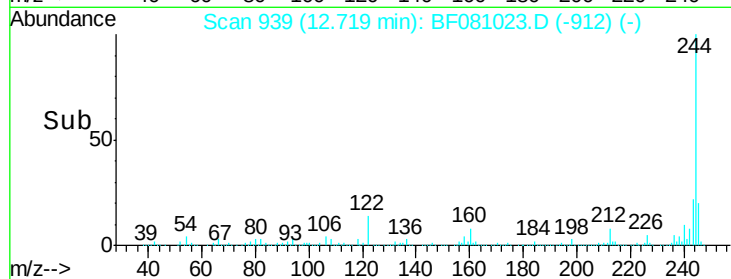
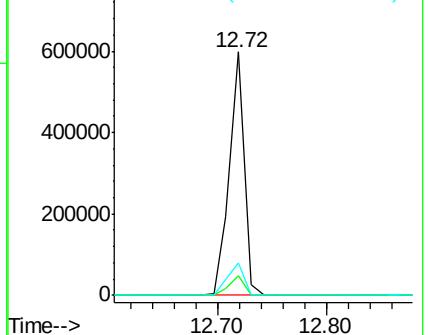
122 13.5 8.2 12.4#



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: 2.73 ng

RT: 13.74 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

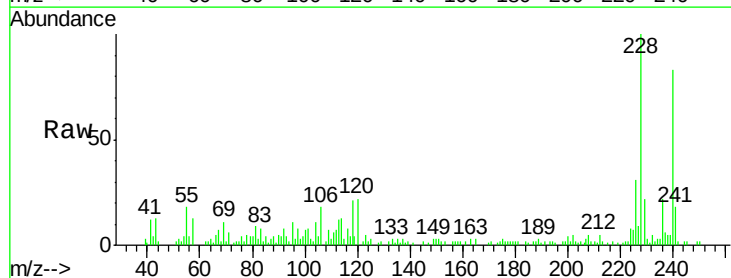
Tgt Ion:228 Resp: 29511

Ion Ratio Lower Upper

228 100

226 31.3 22.3 33.5

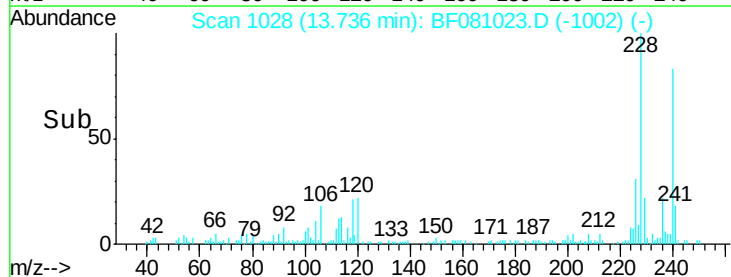
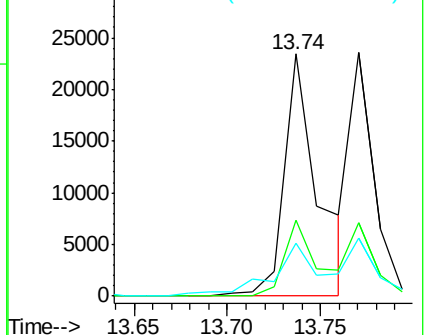
229 22.0 15.9 23.9

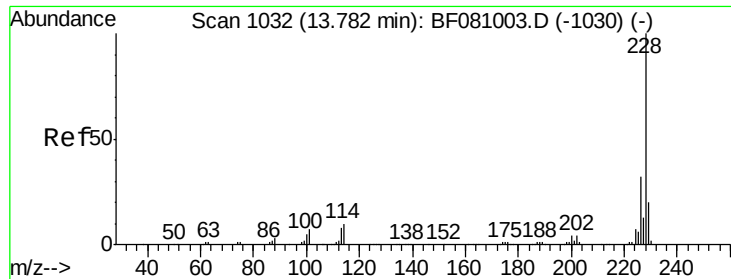


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.03 ng

RT: 13.74 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-017-A

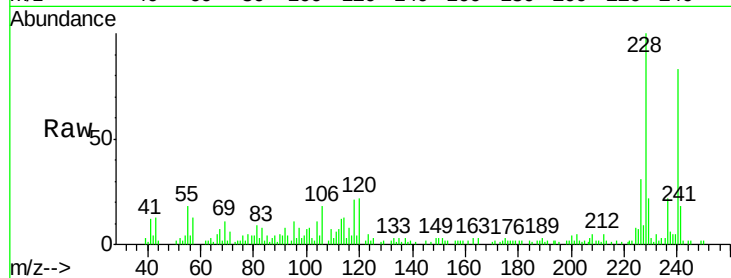
Tot Ion:228 Resp: 29511

Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

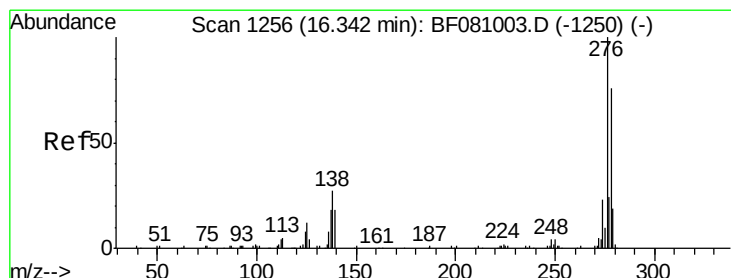
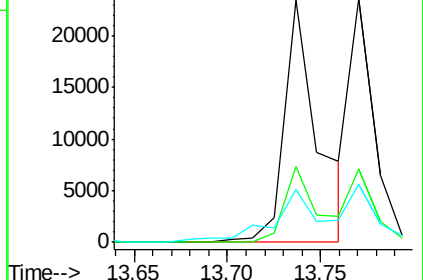
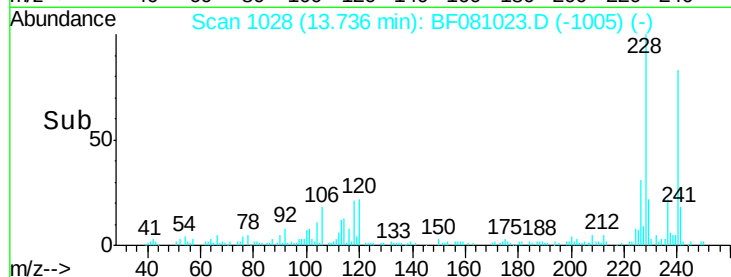
229 22.0 16.0 24.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.12 ng

RT: 16.33 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF081023.D

Acq: 18 Aug 2015 1:39

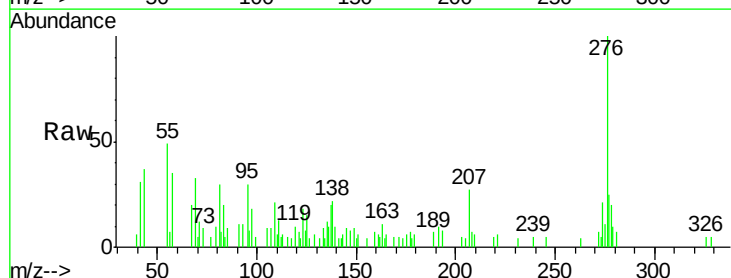
Tgt Ion:276 Resp: 14531

Ion Ratio Lower Upper

276 100

138 35.7 18.6 28.0#

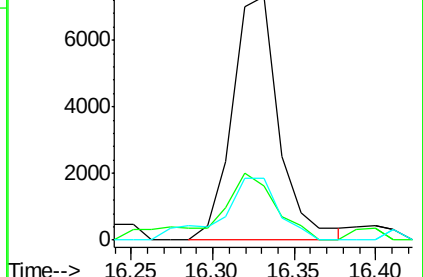
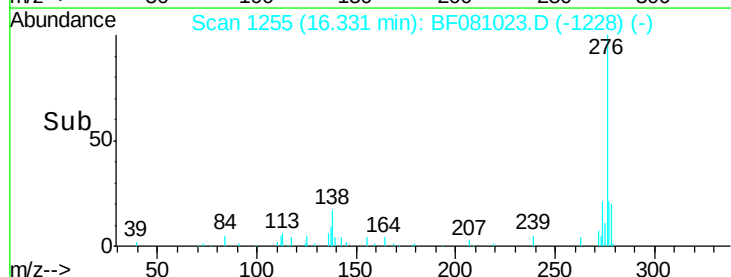
277 31.2 19.8 29.8#

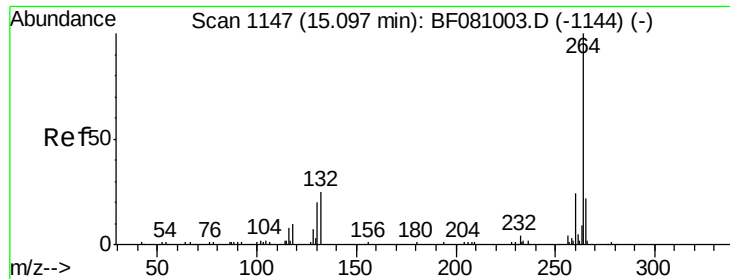


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

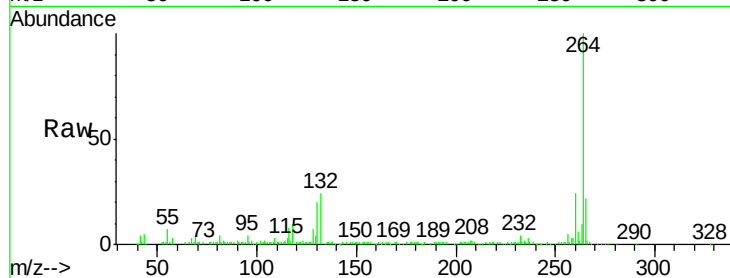




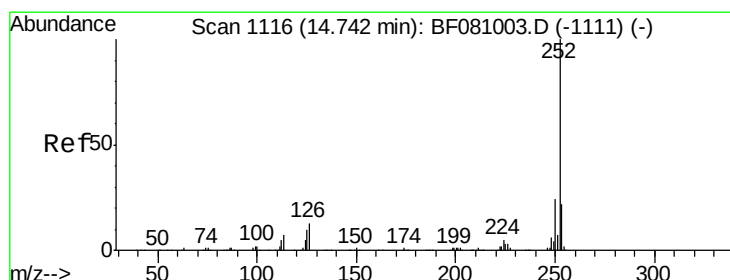
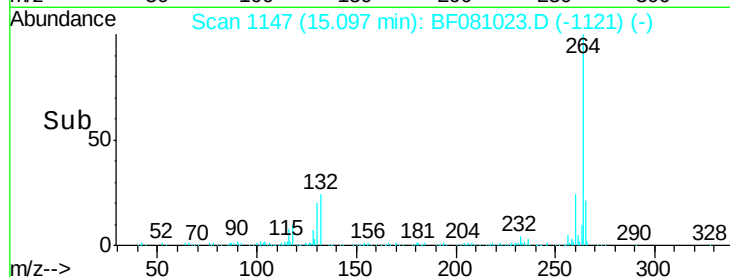
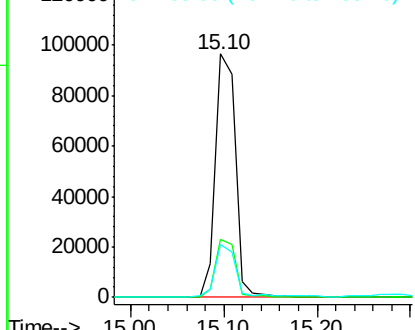
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF081023.D
Acq: 18 Aug 2015 1:39

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-017-A

Tot Ion:264 Resp: 143944
Ion Ratio Lower Upper
264 100
260 24.0 19.6 29.4
265 21.7 17.5 26.3

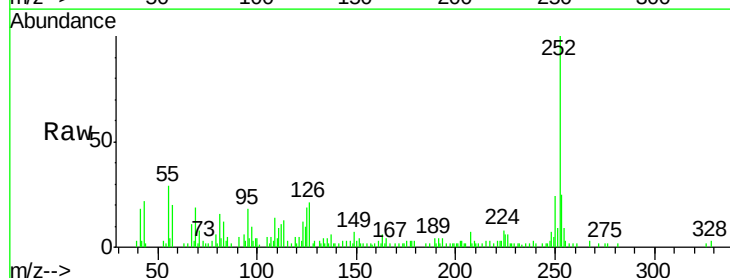


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

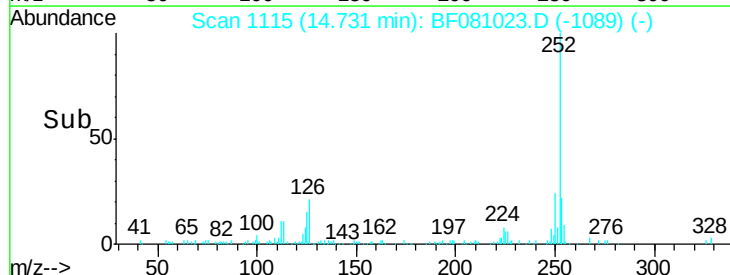
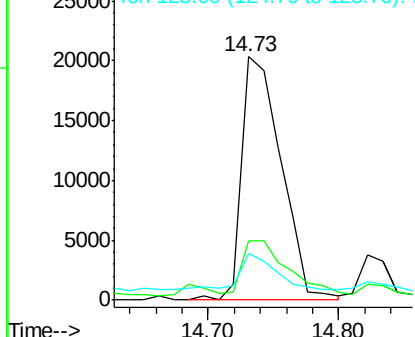


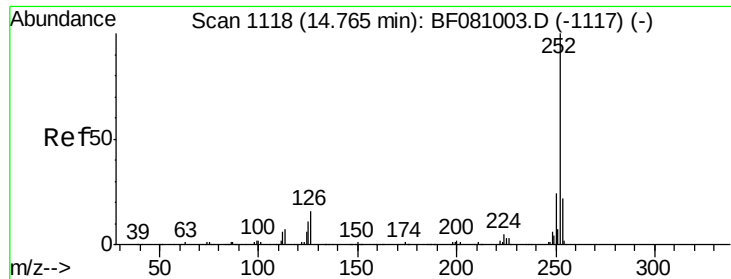
#87
Benzo(b)fluoranthene
Concen: 4.20 ng
RT: 14.73 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF081023.D
Acq: 18 Aug 2015 1:39

Tgt Ion:252 Resp: 42784
Ion Ratio Lower Upper
252 100
253 24.6 17.1 25.7
125 18.9 8.0 12.0#



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

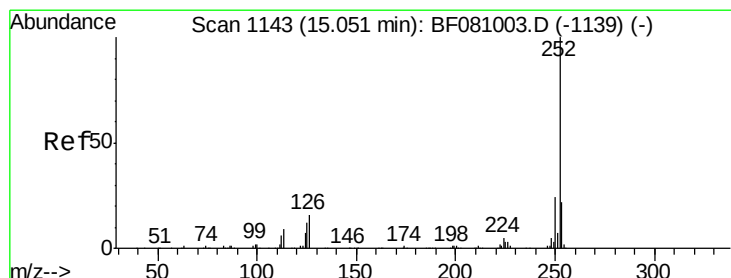
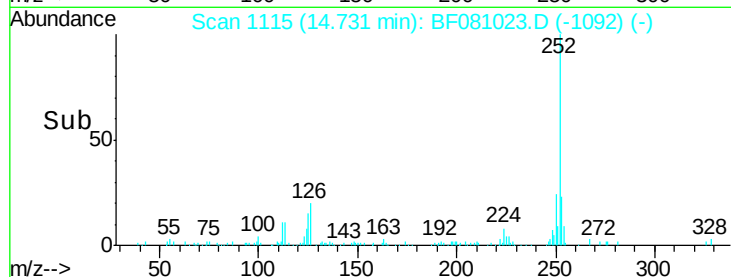
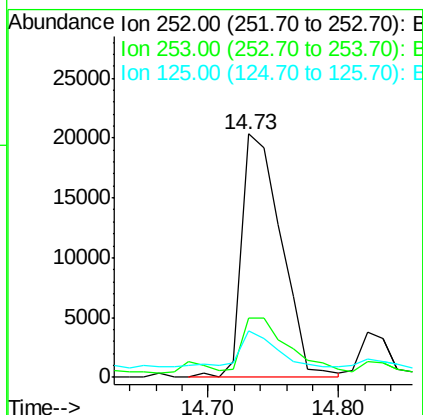
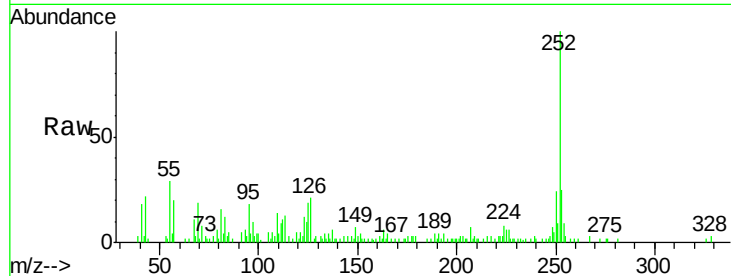




#88
Benzo(k)fluoranthene
Concen: 4.51 ng
RT: 14.73 min Scan# 1115
Delta R.T. -0.03 min
Lab File: BF081023.D
Acq: 18 Aug 2015 1:39

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-017-A

Tot Ion:252 Resp: 42784
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 18.9 10.3 15.5#



#89
Benzo(a)pyrene
Concen: 2.58 ng
RT: 15.04 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF081023.D
Acq: 18 Aug 2015 1:39

Tgt Ion:252 Resp: 22900
Ion Ratio Lower Upper
252 100
253 23.2 16.6 25.0
125 19.4 7.8 11.8#

