

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094753.D
 Acq On : 1 May 2017 16:06
 Operator : SJ/MA
 Sample : I2927-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-003-A

Quant Time: May 02 02:49:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

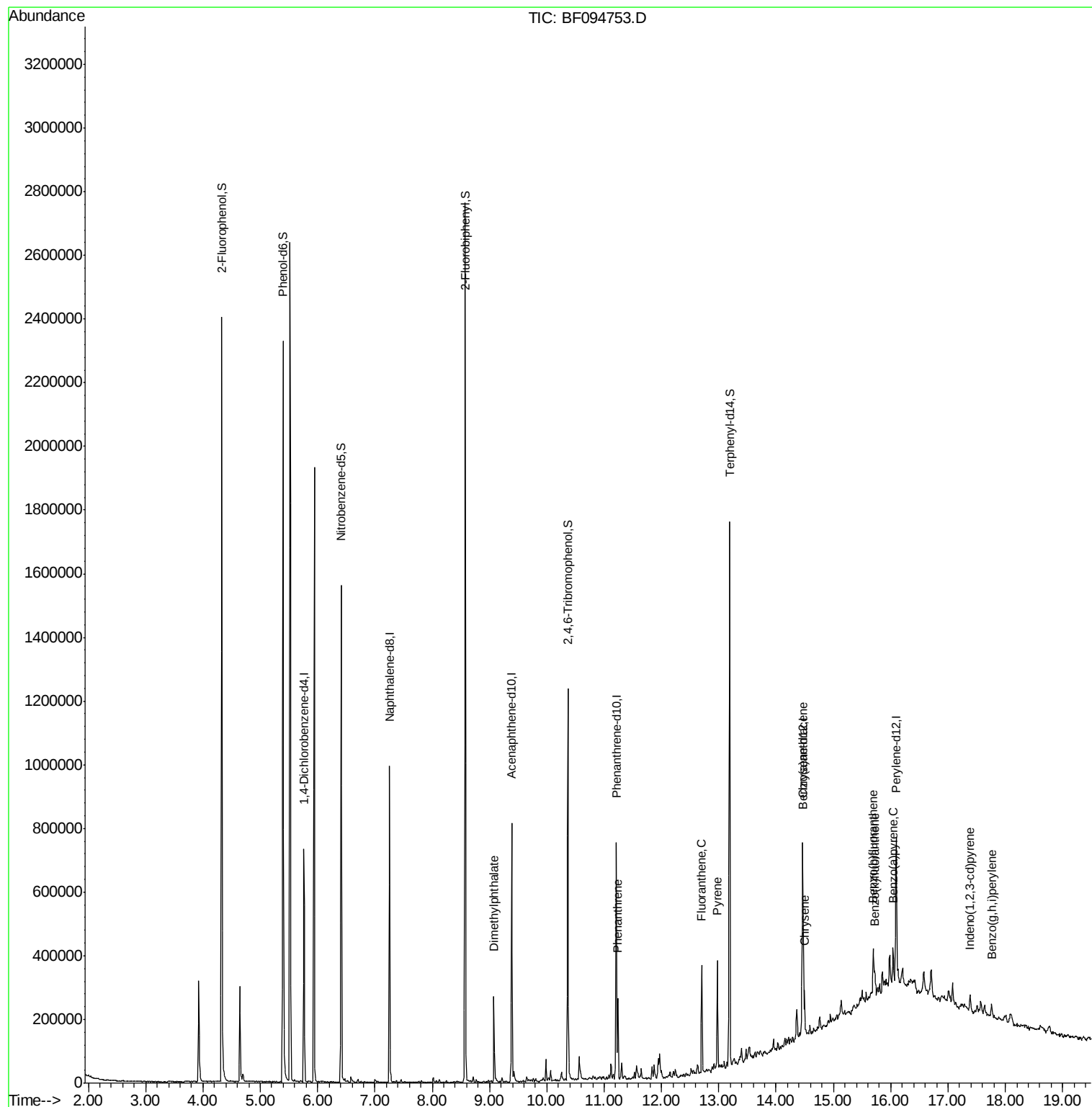
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	110911	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	448839	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	177444	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	295486	20.00	ng	0.00
75) Chrysene-d12	14.47	240	226540	20.00	ng	0.00
86) Perylene-d12	16.09	264	185231	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	742533	111.07	ng	0.02
7) Phenol-d6	5.40	99	892630	113.26	ng	0.00
23) Nitrobenzene-d5	6.41	82	541922	74.55	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	150869	108.70	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	933905	77.44	ng	0.00
78) Terphenyl-d14	13.19	244	582180	68.69	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.08	163	132868	10.05	ng	98
70) Phenanthrene	11.24	178	109898	6.60	ng	96
74) Fluoranthene	12.70	202	155322	9.01	ng	99
77) Pyrene	12.98	202	140905	8.90	ng	99
80) Benzo(a)anthracene	14.45	228	63792	4.84	ng	98
82) Chrysene	14.49	228	59687	4.96	ng	96
85) Indeno(1,2,3-cd)pyrene	17.38	276	25716	2.25	ng	96
87) Benzo(b)fluoranthene	15.69	252	71323m	6.29	ng	
88) Benzo(k)fluoranthene	15.72	252	23694m	2.21	ng	
89) Benzo(a)pyrene	16.04	252	49305	4.68	ng	# 93
91) Benzo(g,h,i)perylene	17.76	276	25276	2.84	ng	96

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

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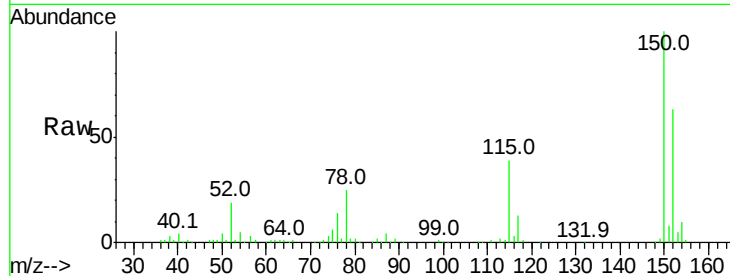


#1

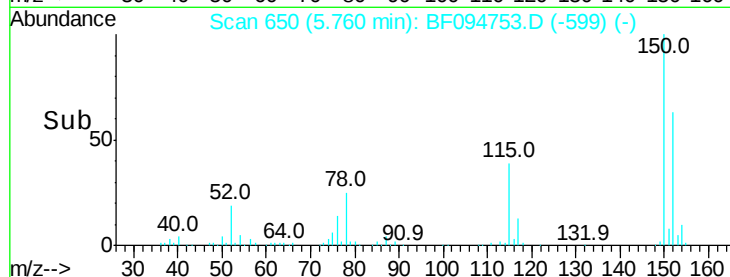
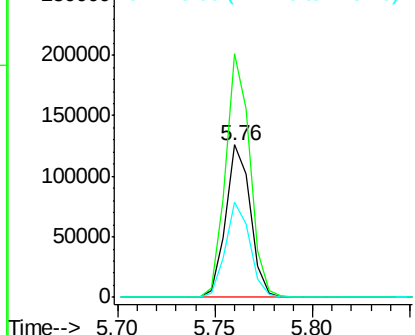
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-003-A

Tot Ion:152 Resp: 110911
Ion Ratio Lower Upper
152 100
150 159.7 126.2 189.2
115 62.6 52.2 78.2



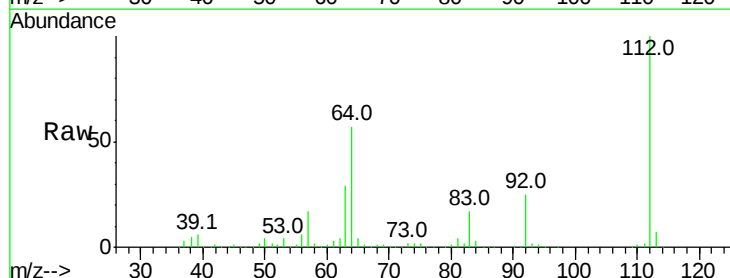
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



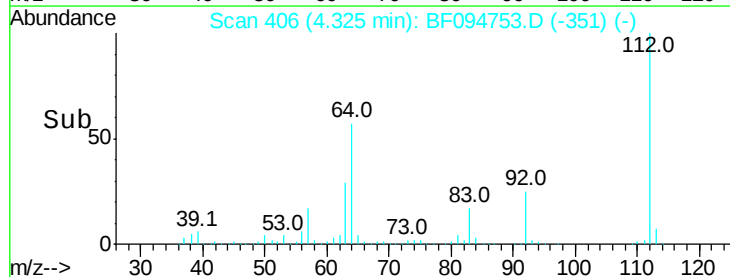
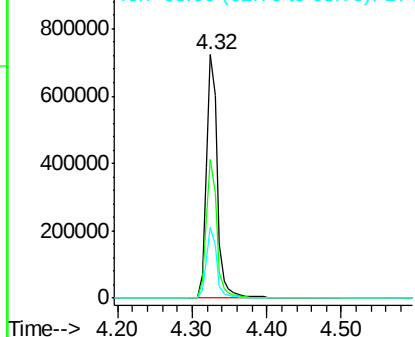
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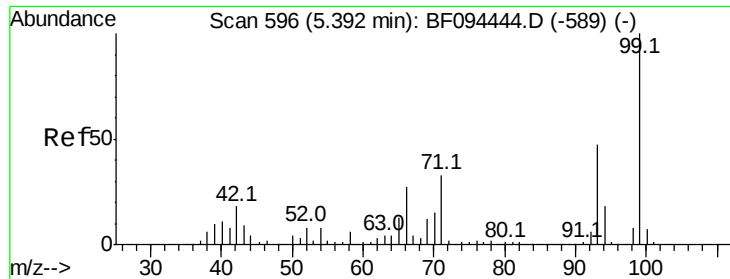
2-Fluorophenol
Concen: 111.07 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Tgt Ion:112 Resp: 742533
Ion Ratio Lower Upper
112 100
64 56.9 46.0 69.0
63 28.9 23.4 35.0



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: 113.26 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-A

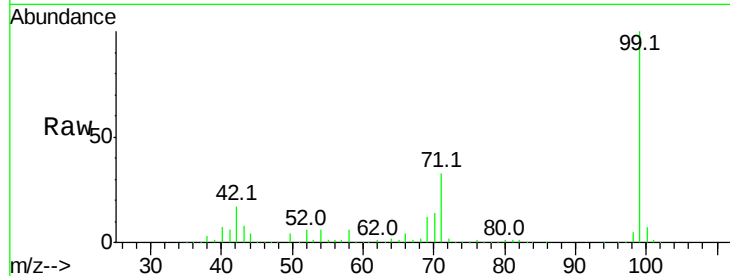
Tot Ion: 99 Resp: 892630

Ion Ratio Lower Upper

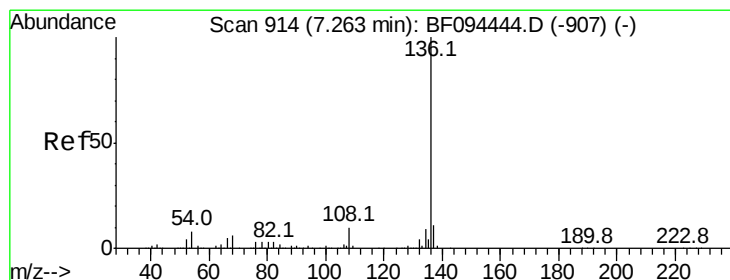
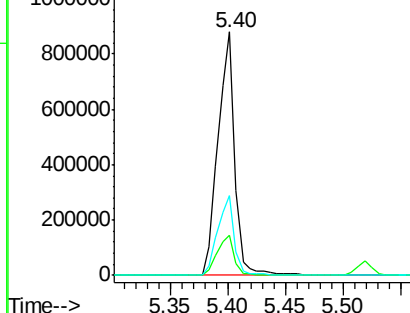
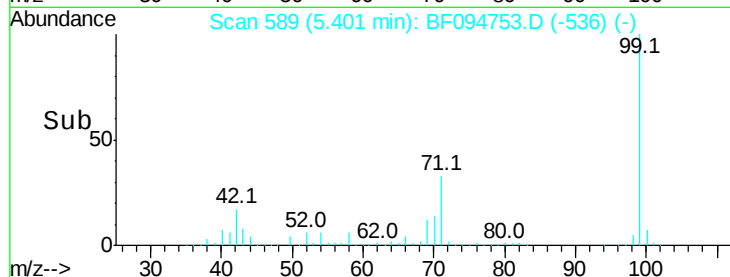
99 100

42 16.7 13.5 20.3

71 33.0 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

Tgt Ion: 136 Resp: 448839

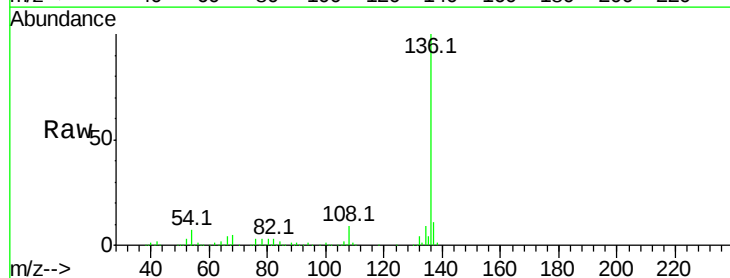
Ion Ratio Lower Upper

136 100

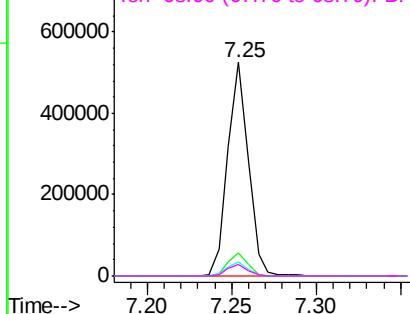
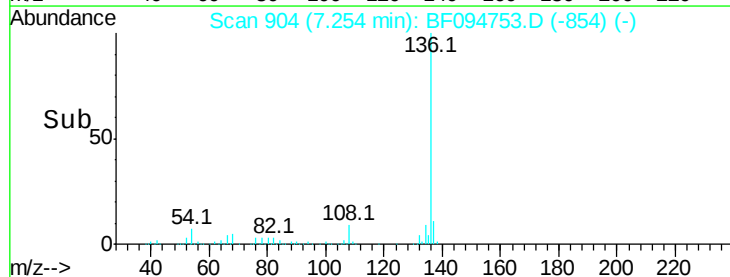
137 11.0 8.5 12.7

54 6.8 4.9 7.3

68 5.3 4.1 6.1



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

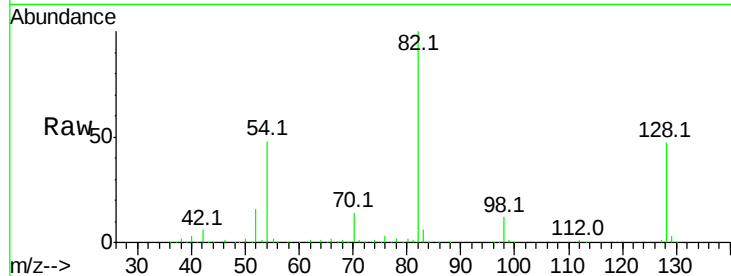




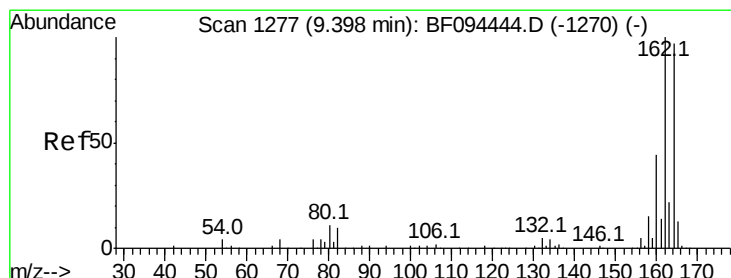
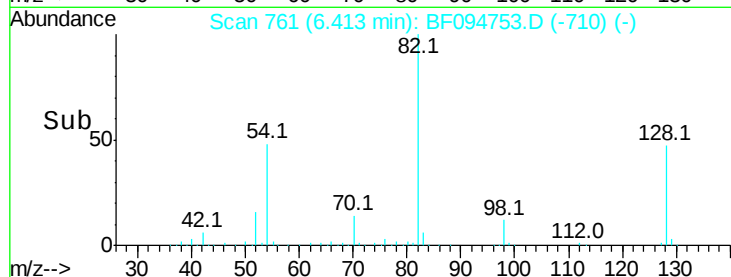
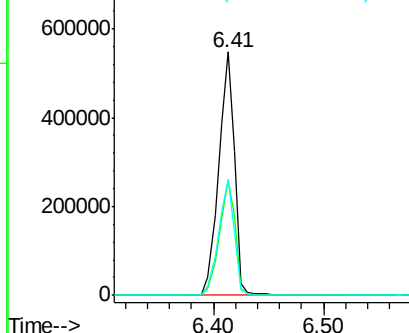
#23
 Nitrobenzene-d5
 Concen: 74.55 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094753.D
 Acq: 1 May 2017 16:06

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-003-A

Tot Ion: 82 Resp: 541922
 Ion Ratio Lower Upper
 82 100
 128 47.5 34.0 51.0
 54 47.6 42.2 63.2

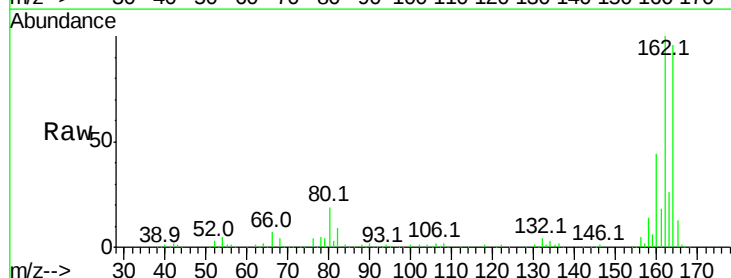


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

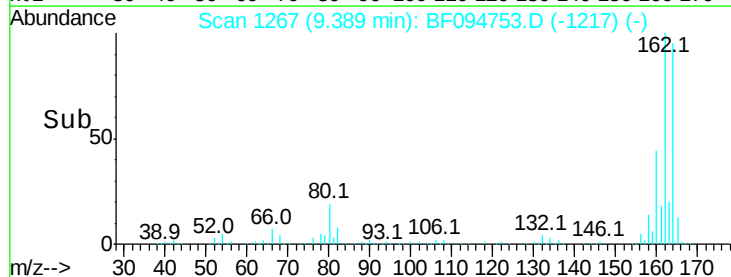
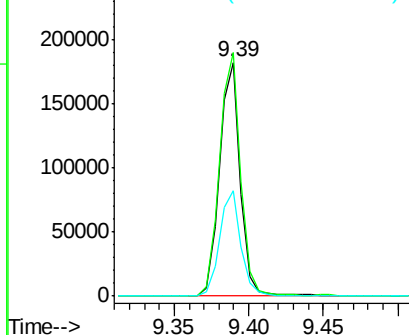


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094753.D
 Acq: 1 May 2017 16:06

Tgt Ion:164 Resp: 177444
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.6 123.8
 160 45.4 36.2 54.2



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

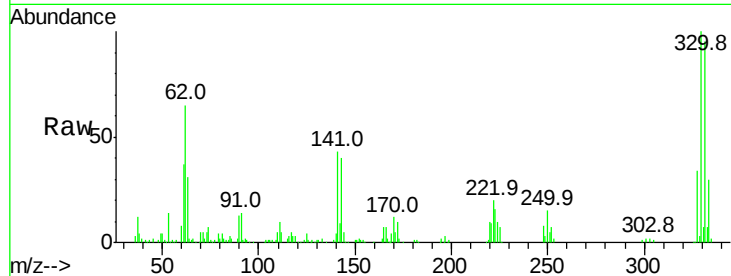




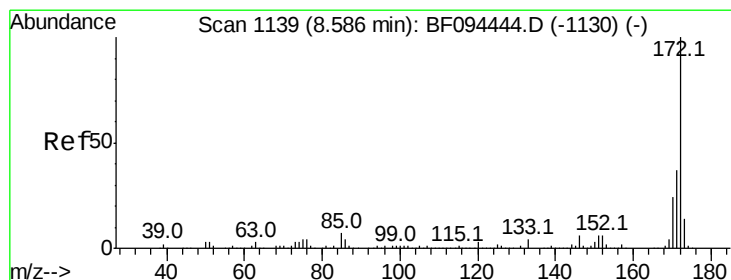
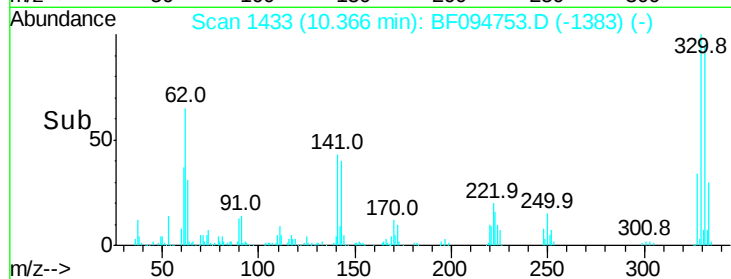
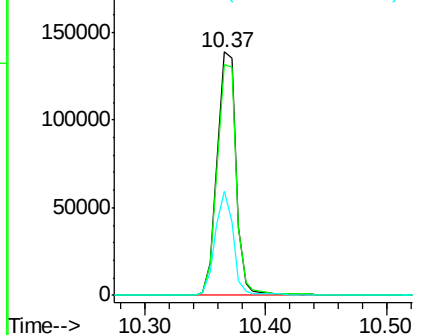
#41
 2,4,6-Tribromophenol
 Concen: 108.70 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094753.D
 Acq: 1 May 2017 16:06

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-003-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	40.3	31.4	47.2

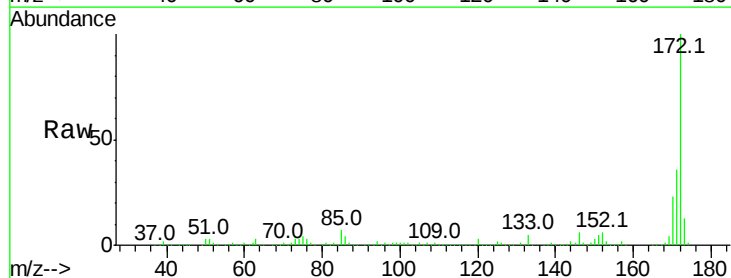


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

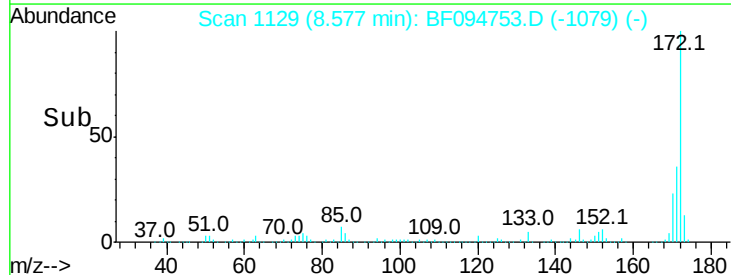
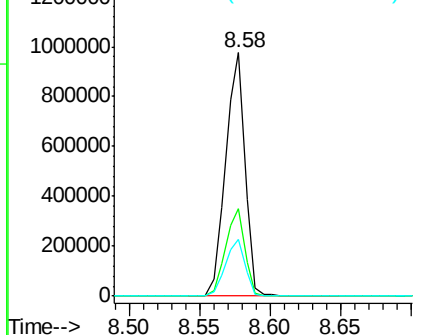


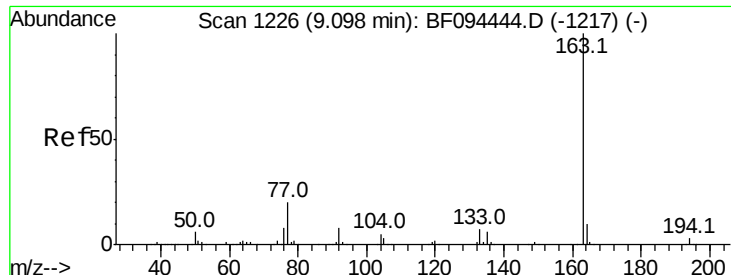
#44
 2-Fluorobiphenyl
 Concen: 77.44 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094753.D
 Acq: 1 May 2017 16:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.4	19.8	29.8



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

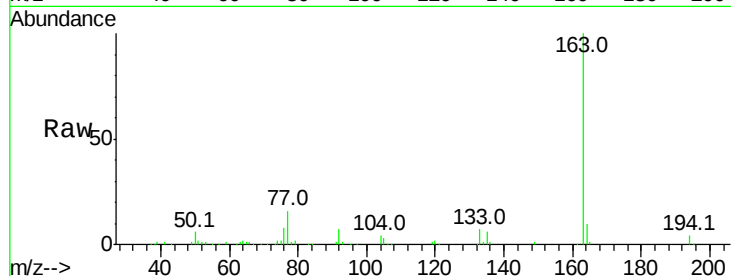




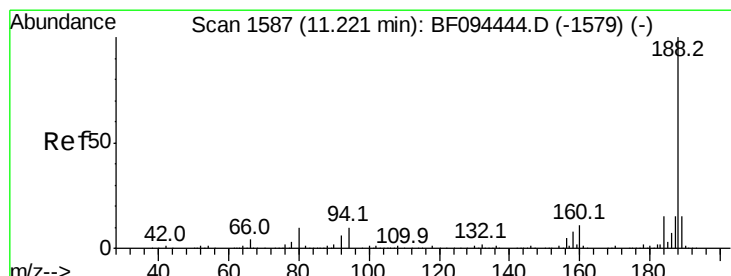
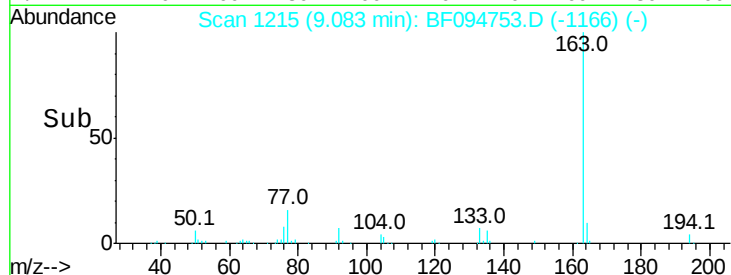
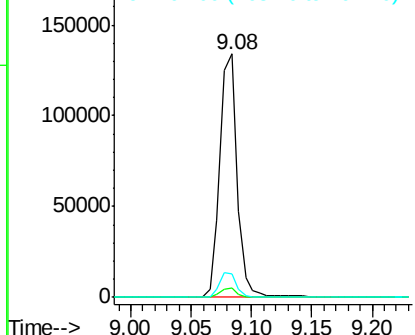
#49
Dimethylphthalate
Concen: 10.05 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-003-A

Tot Ion:163 Resp: 132868
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 9.6 8.4 12.6

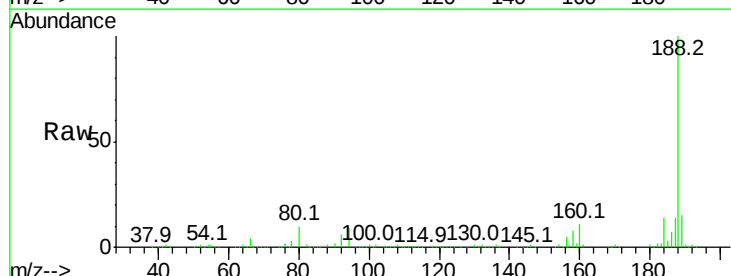


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

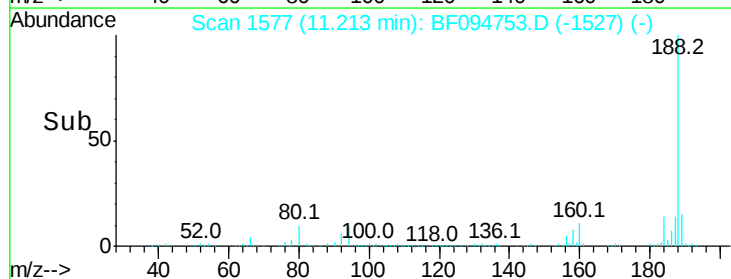
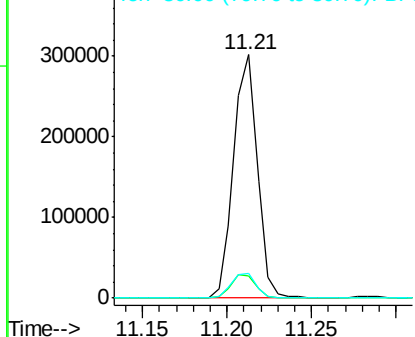


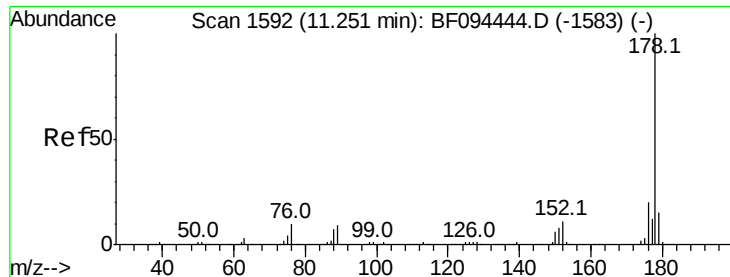
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Tgt Ion:188 Resp: 295486
Ion Ratio Lower Upper
188 100
94 9.2 9.4 14.2#
80 10.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.60 ng

RT: 11.24 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

Instrument :

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ClientSampleId :

FK-GF-03-003-A

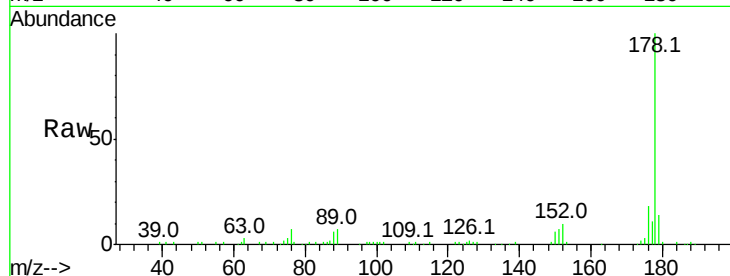
Tot Ion:178 Resp: 109898

Ion Ratio Lower Upper

178 100

176 18.0 16.2 24.4

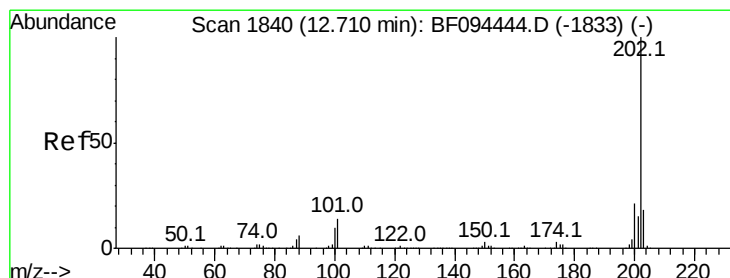
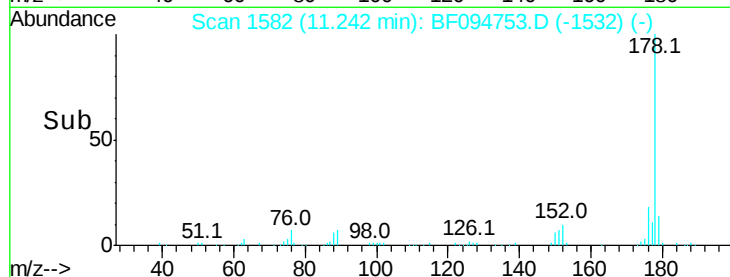
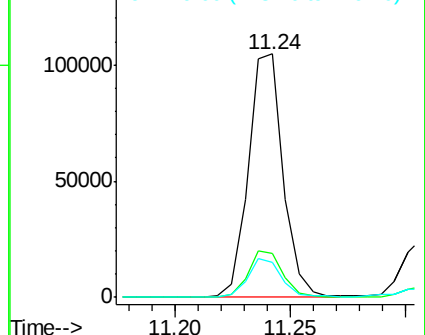
179 14.2 12.6 19.0



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: 9.01 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

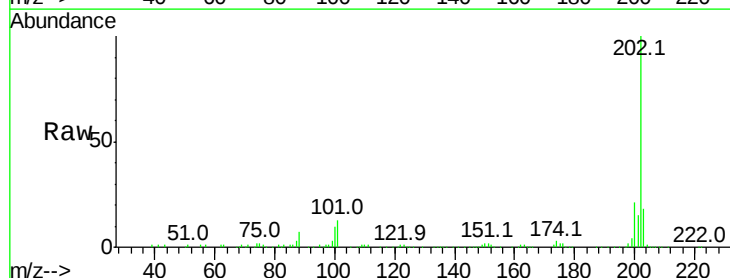
Tgt Ion:202 Resp: 155322

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

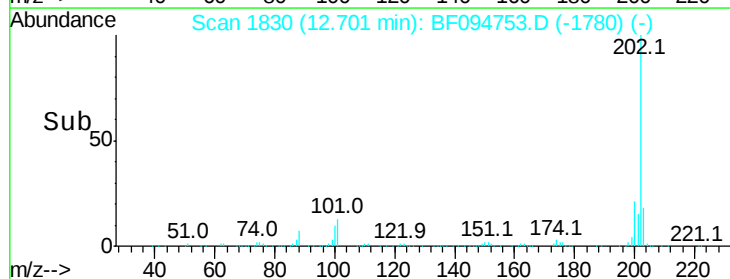
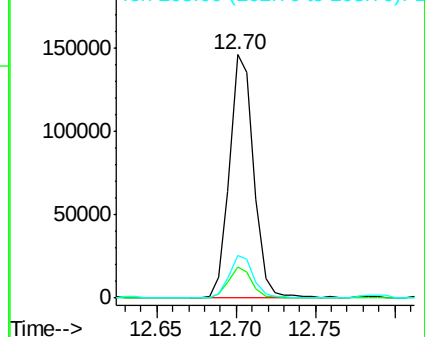
203 17.8 0.0 38.1

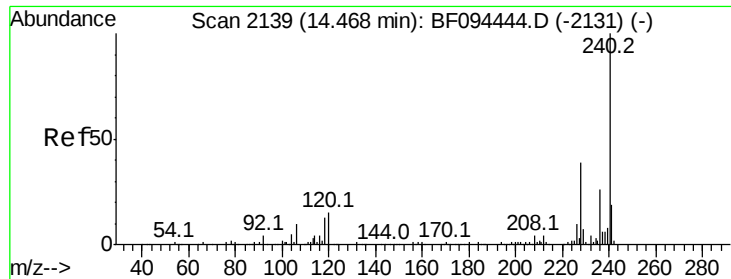


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-A

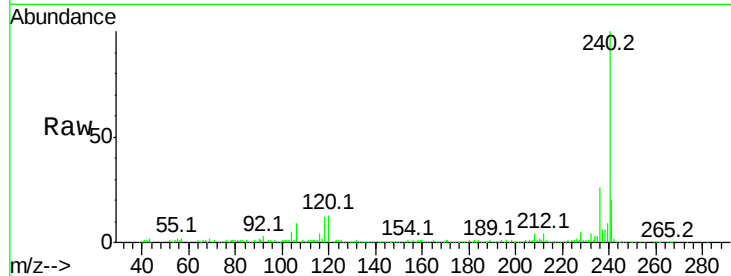
Tot Ion:240 Resp: 226540

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

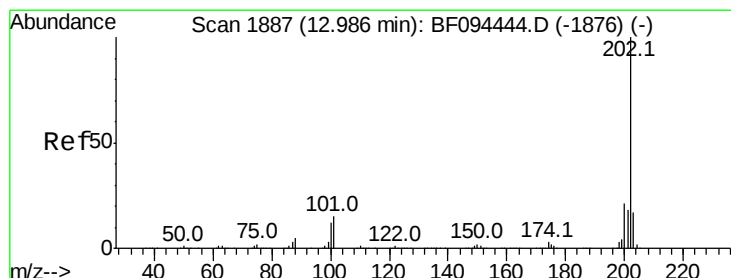
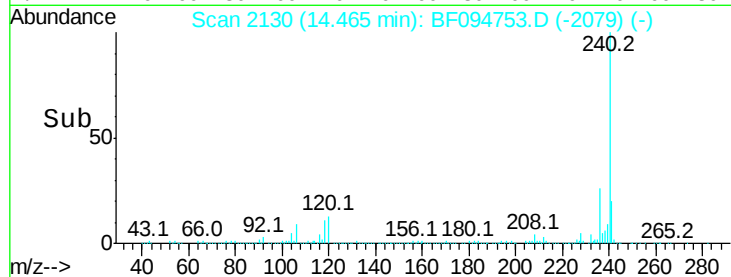
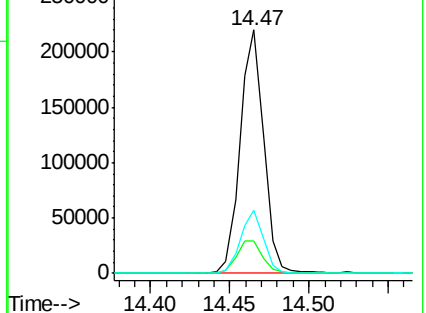
236 25.9 20.5 30.7



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: 8.90 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

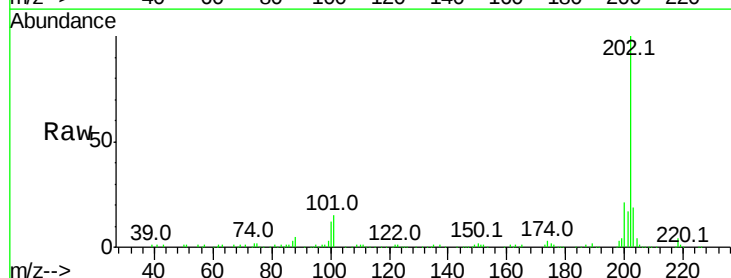
Tgt Ion:202 Resp: 140905

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

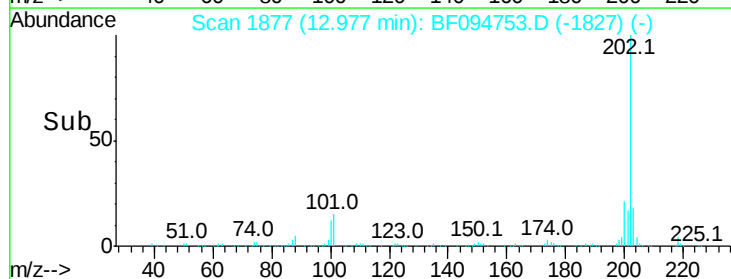
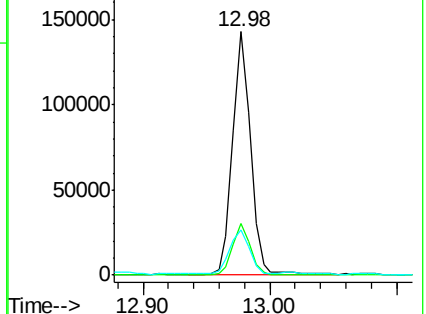
203 18.6 14.4 21.6

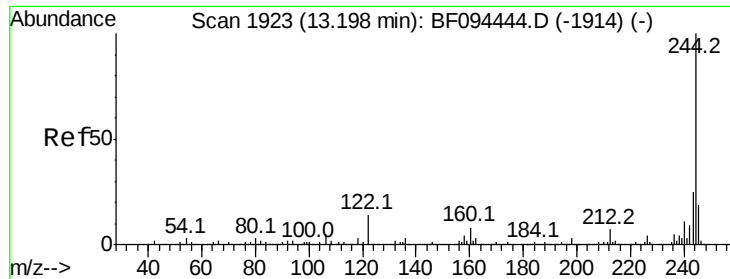


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.69 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-A

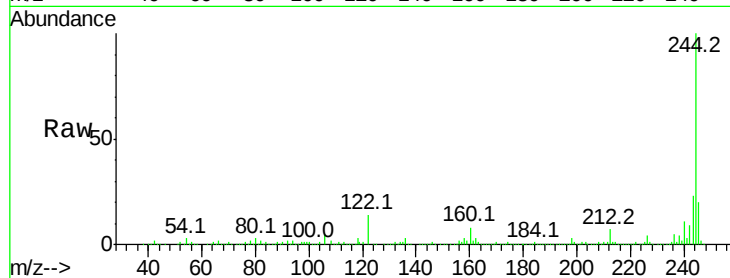
Tot Ion:244 Resp: 582180

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

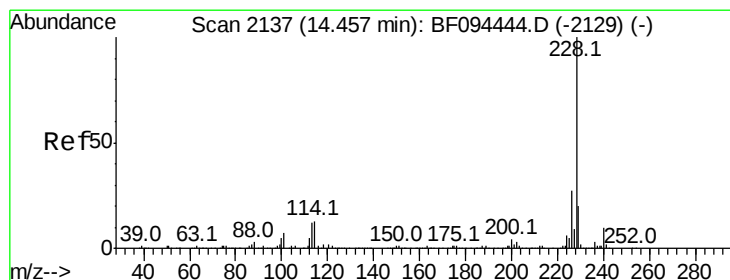
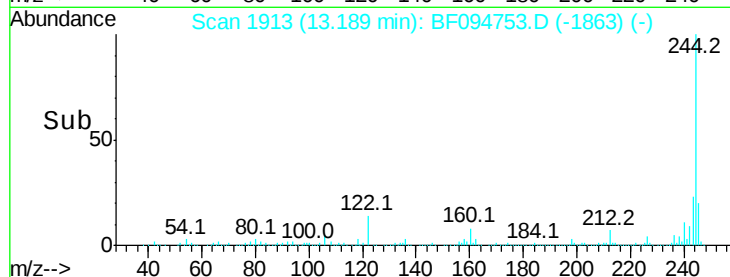
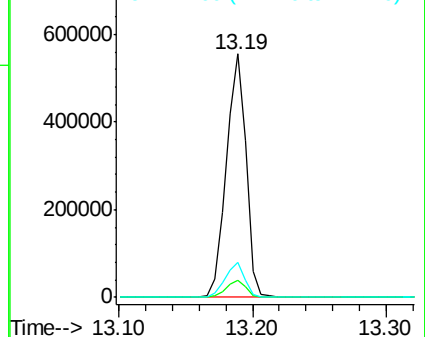
122 14.2 10.3 15.5



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: 4.84 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

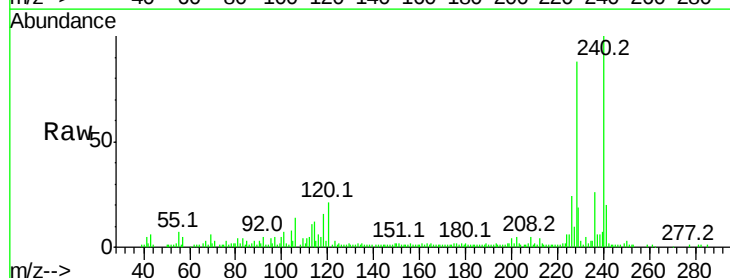
Tgt Ion:228 Resp: 63792

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

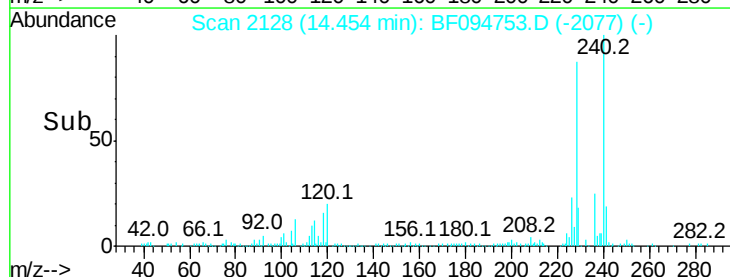
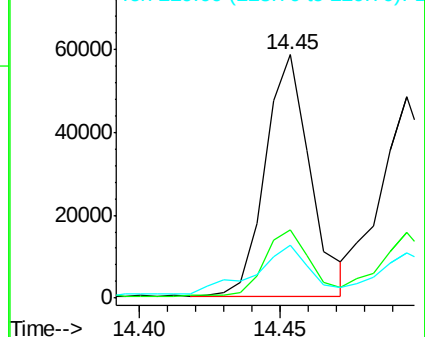
229 21.8 16.3 24.5

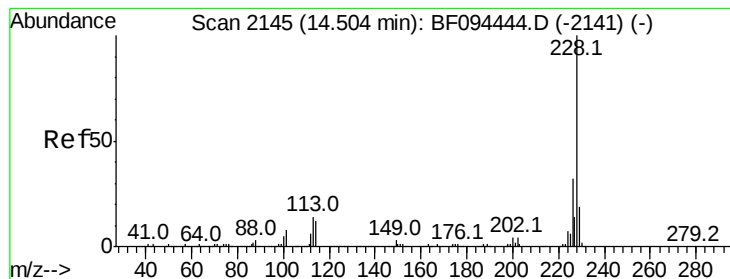


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.96 ng

RT: 14.49 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

Instrument :

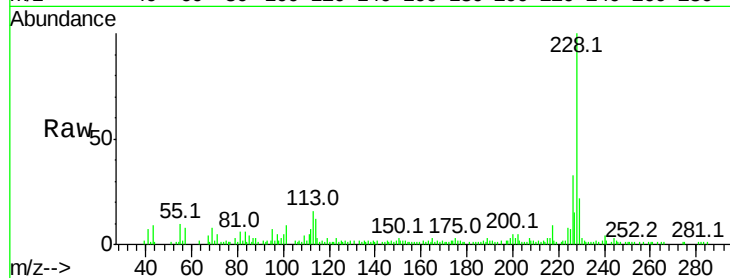
BNA_F

ClientSampleId :

FK-GF-03-003-A

Tot Ion:228 Resp: 59687

Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.9	37.3
229	22.5	15.8	23.6

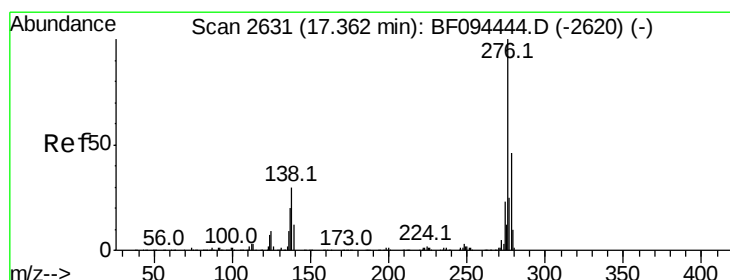
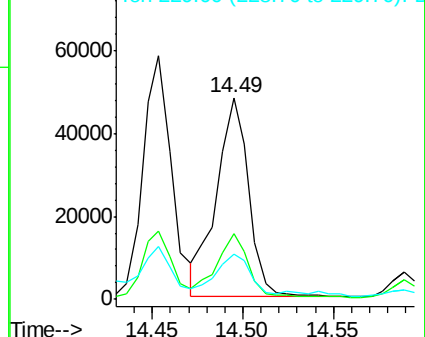
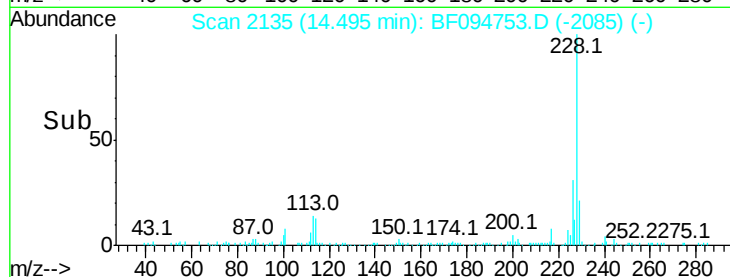


Abundance

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: 2.25 ng

RT: 17.38 min Scan# 2626

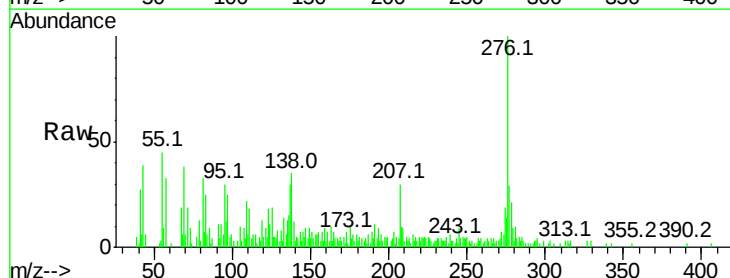
Delta R.T. 0.02 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

Tgt Ion:276 Resp: 25716

Ion	Ratio	Lower	Upper
276	100		
138	31.6	27.8	41.6
277	24.7	20.2	30.4

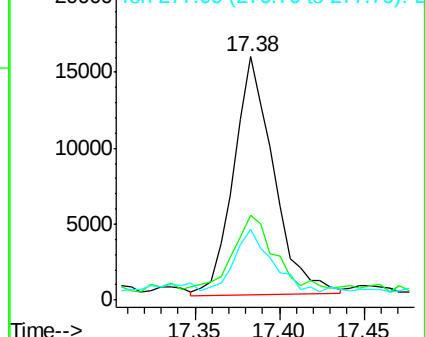
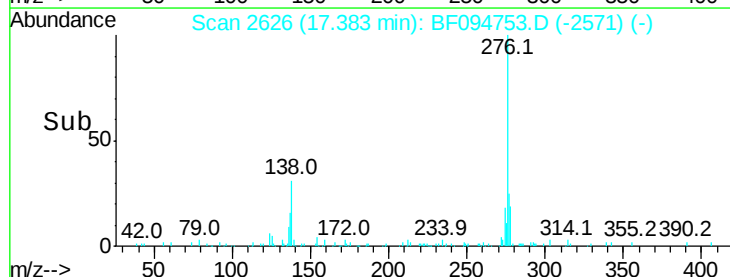


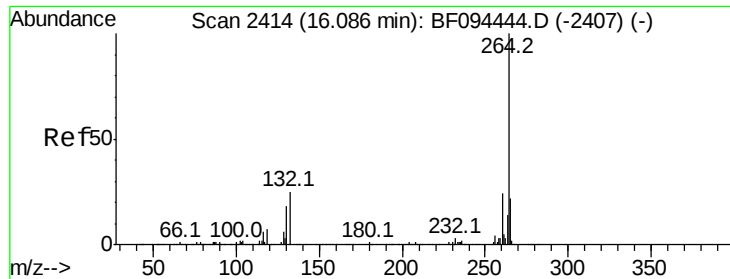
Abundance

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



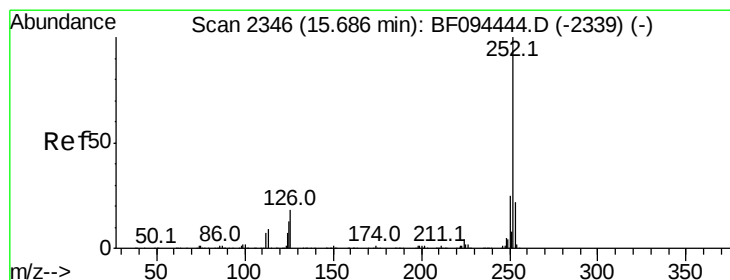
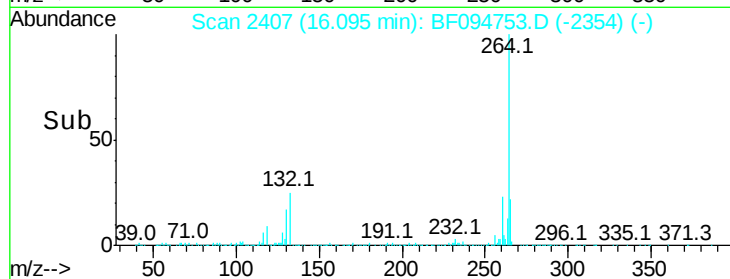
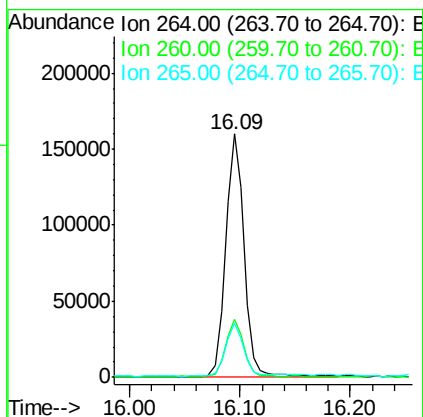
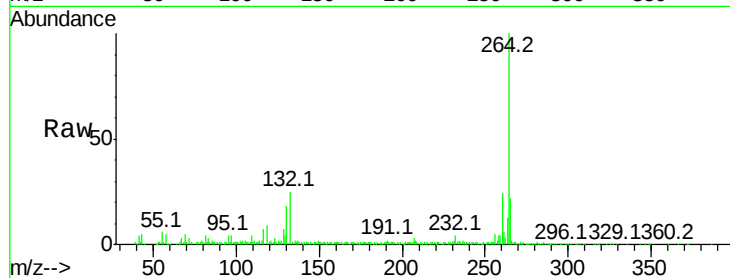


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-003-A

Tot Ion:264 Resp: 185231

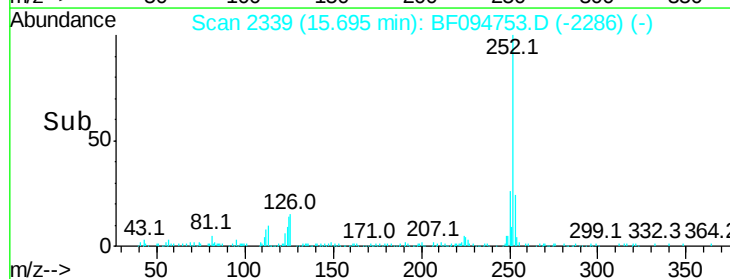
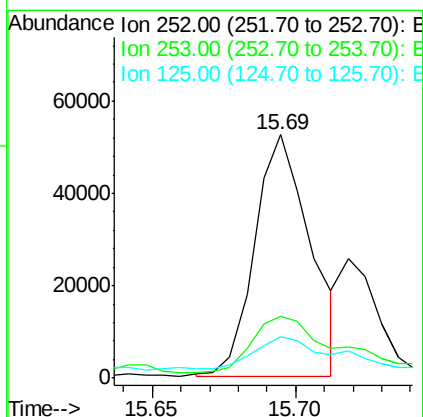
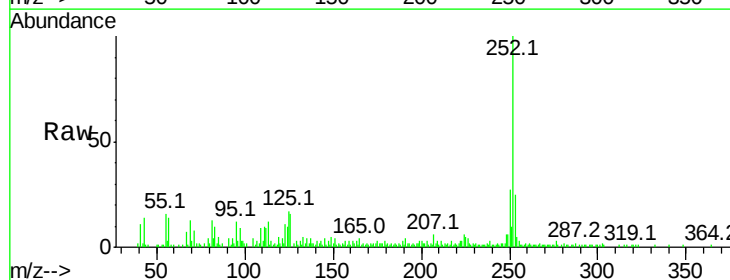
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.2	17.2	25.8

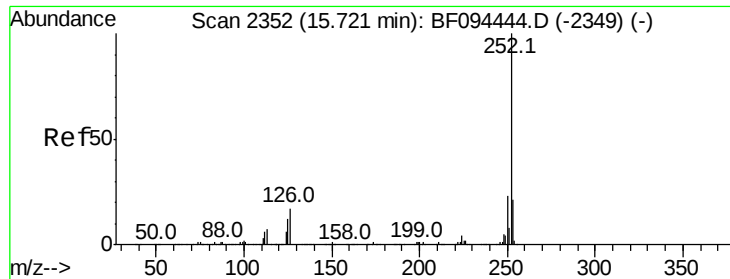


#87
Benzo(b)fluoranthene
Concen: 6.29 ng m
RT: 15.69 min Scan# 2339
Delta R.T. 0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Tgt Ion:252 Resp: 71323

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	17.2	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 2.21 ng

RT: 15.72 min Scan# 2343

Delta R.T. -0.00 min

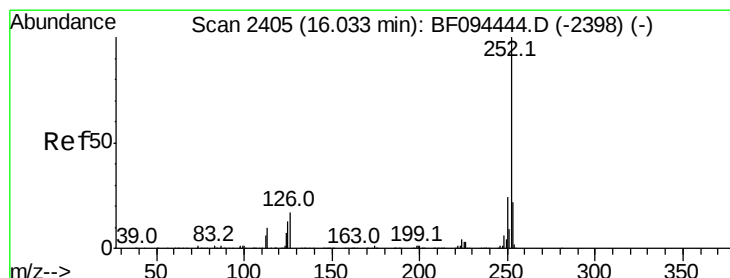
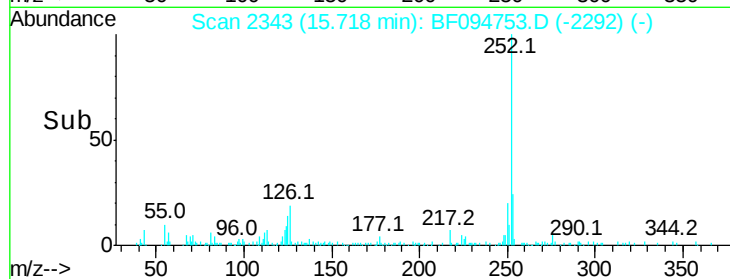
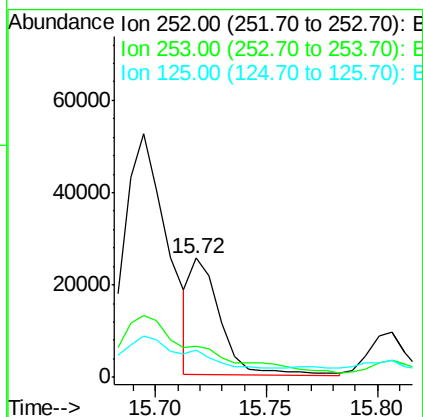
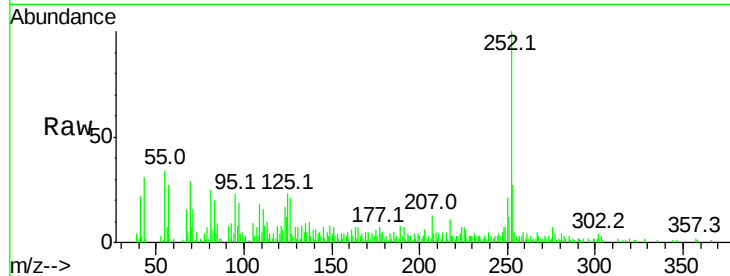
Lab File: BF094753.D

Acq: 1 May 2017 16:06

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-003-A

Tot Ion:252 Resp: 23694

Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.4	27.6
125	22.6	13.1	19.7



#89

Benzo(a)pyrene

Concen: 4.68 ng

RT: 16.04 min Scan# 2397

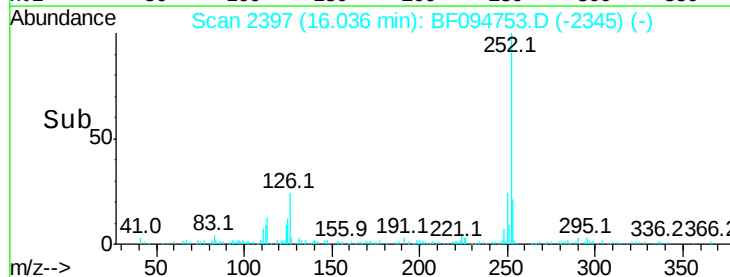
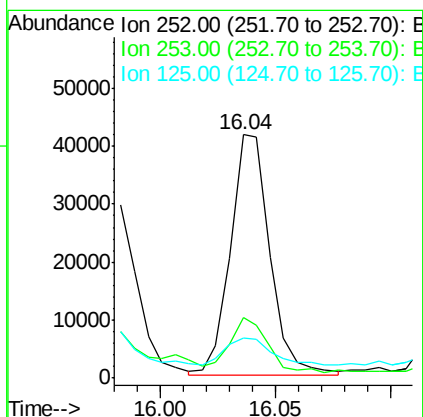
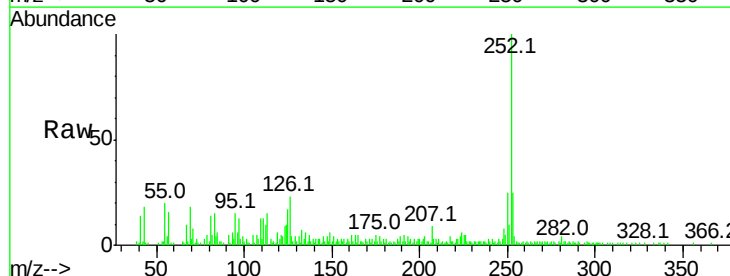
Delta R.T. 0.00 min

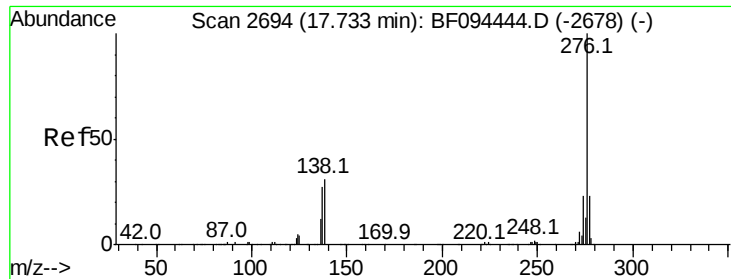
Lab File: BF094753.D

Acq: 1 May 2017 16:06

Tgt Ion:252 Resp: 49305

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	16.5	11.0	16.4

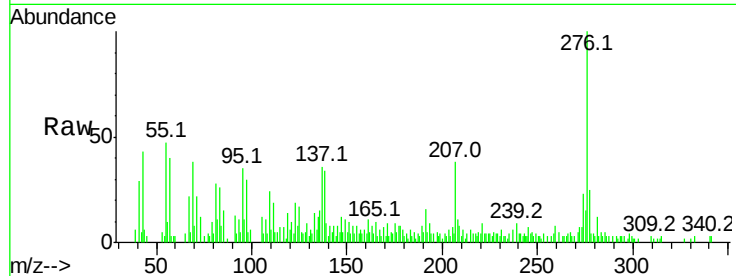




#91
 Benzo(a,h,i)perylene
 Concen: 2.84 ng
 RT: 17.76 min Scan# 2690
 Delta R.T. 0.03 min
 Lab File: BF094753.D
 Acq: 1 May 2017 16:06

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-003-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	34.5	25.4	38.0



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

