

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 :

Quant Time: May 02 01:38:07 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

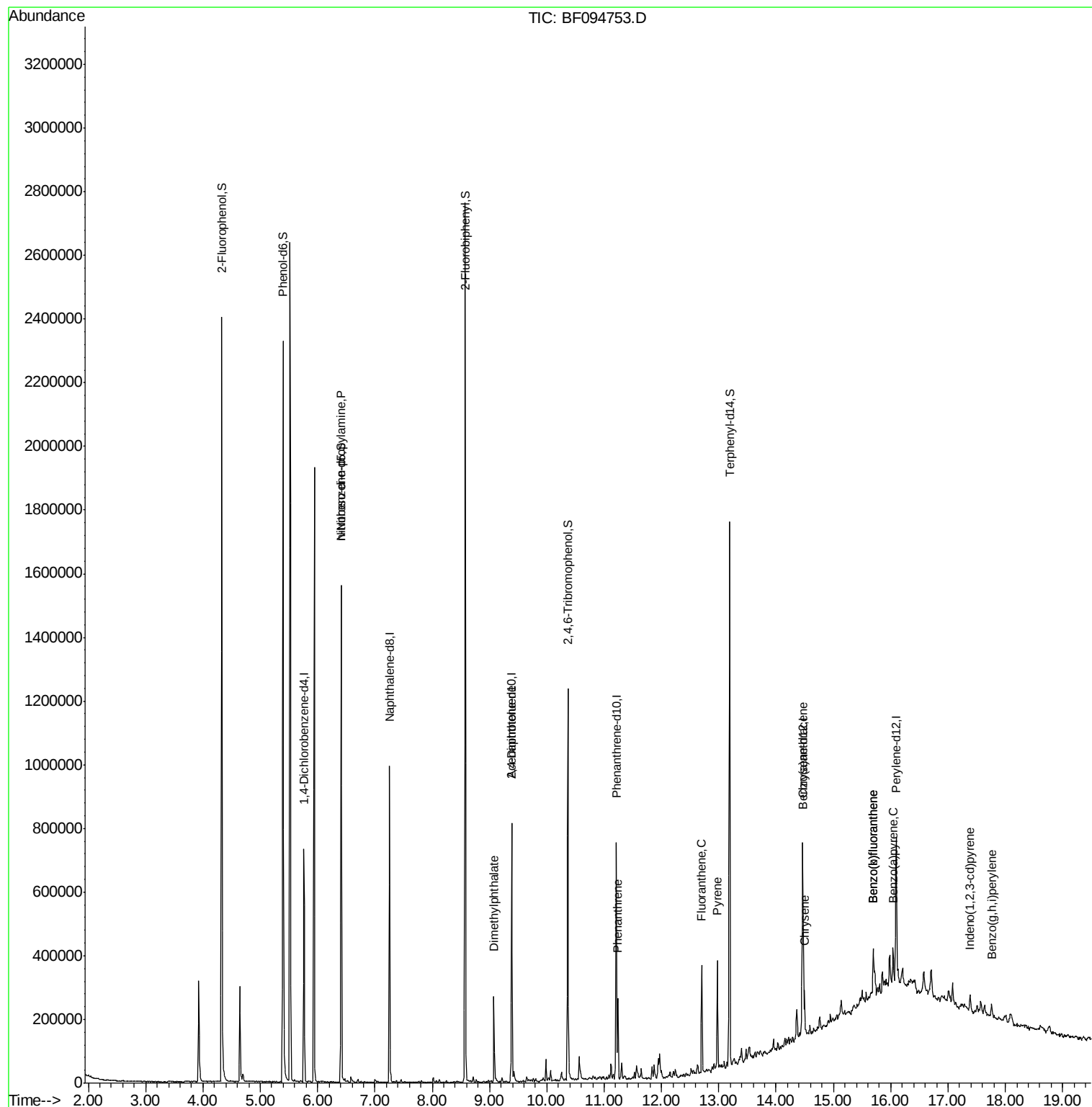
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	110911	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	448839	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	177444	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	295486	20.00	ng	0.00
75) Chrysene-d12	14.47	240	226540	20.00	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
19) n-Nitroso-di-n-propylamine	6.41	70	72442	13.87	ng	# 75
49) Dimethylphthalate	9.08	163	132868	10.05	ng	98
56) 2,4-Dinitrotoluene	9.39	165	23037	6.33	ng	# 33
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	95321	8.41	ng	# 92
88) Benzo(k)fluoranthene	15.69	252	95321	8.89	ng	97
89) Benzo(a)pyrene	16.04	252	49305	4.68	ng	# 93
91) Benzo(a,h,i)perylene	17.76	276	25276	2.84	ng	96

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

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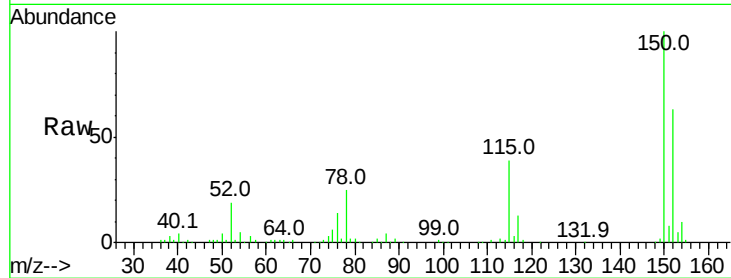


#1

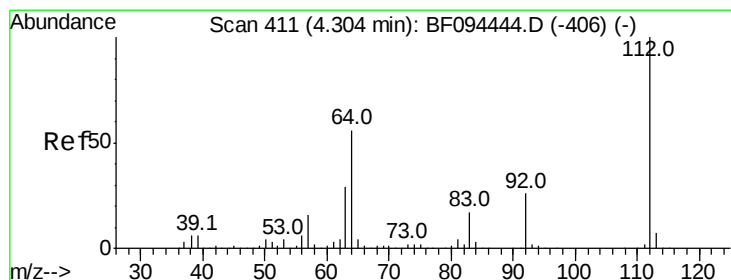
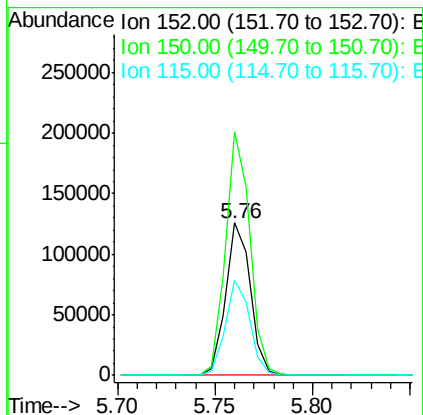
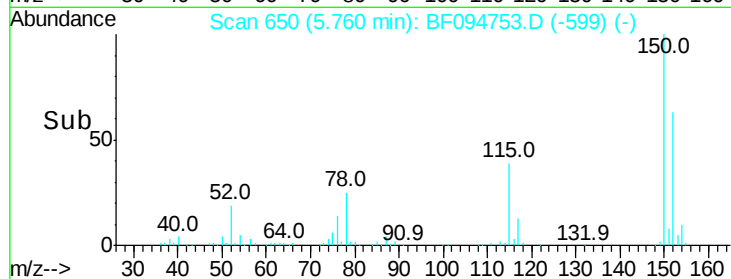
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Instrument :
BNA_F
ClientSampleId :

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



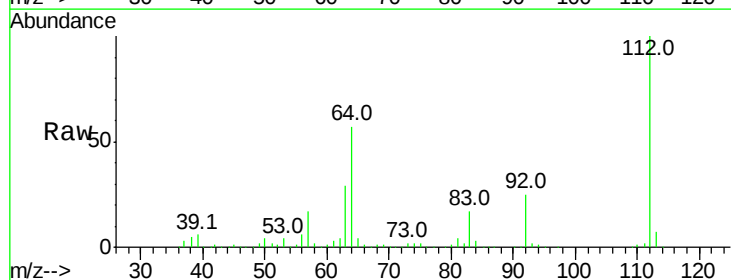
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



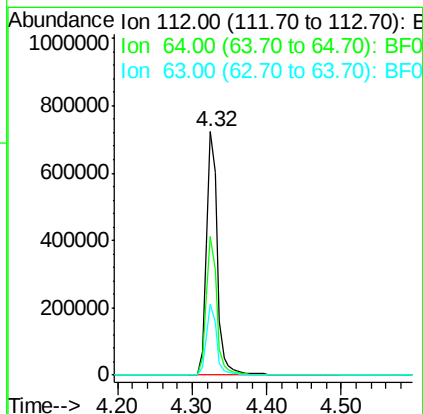
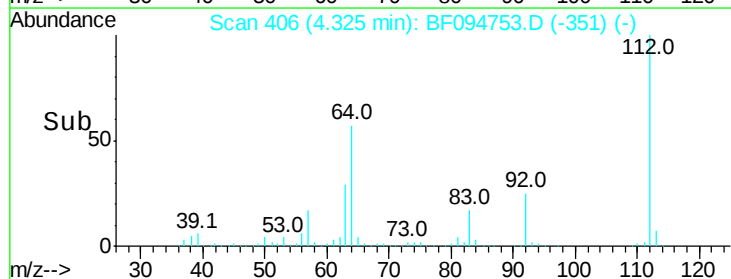
#5

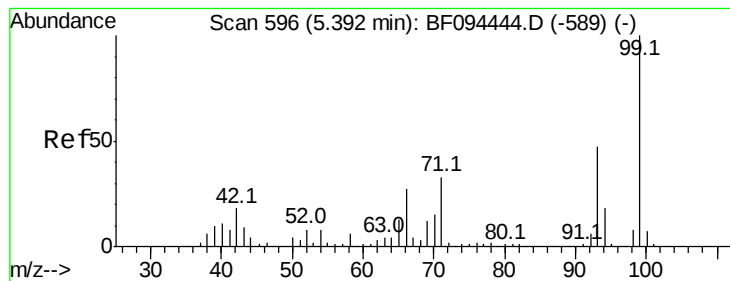
2-Fluorophenol
Concen: 111.07 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

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

ClientSampled :

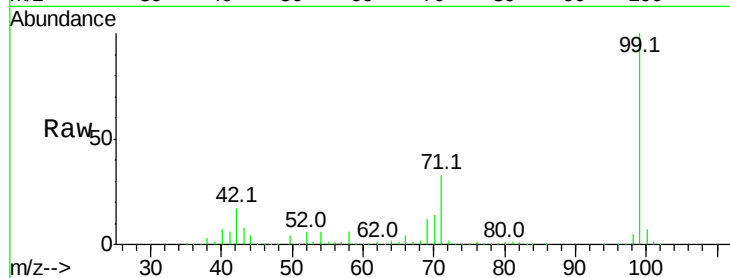
Tot Ion: 99 Resp: 892630

Ion Ratio Lower Upper

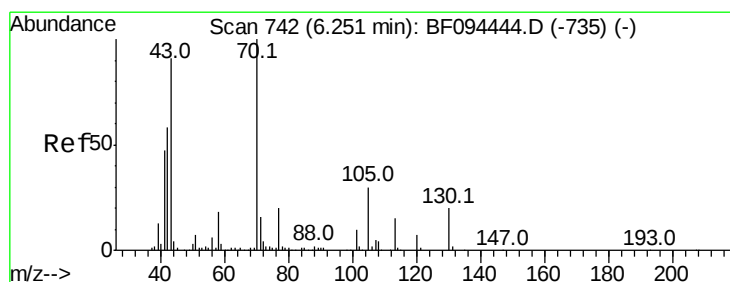
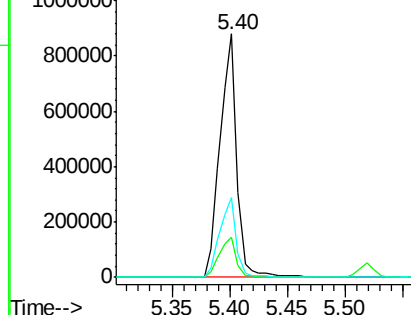
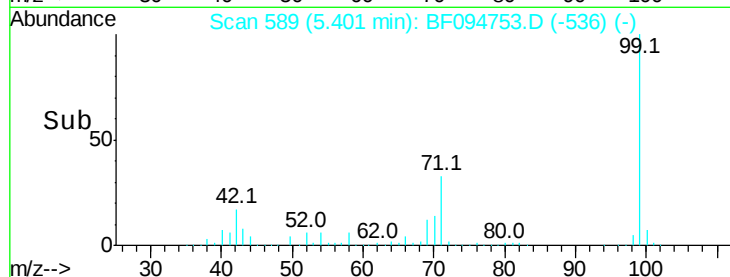
99 100

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



#19

n-Nitroso-di-n-propylamine

Concen: 13.87 ng

RT: 6.41 min Scan# 761

Delta R.T. 0.16 min

Lab File: BF094753.D

Acq: 1 May 2017 16:06

Tgt Ion: 70 Resp: 72442

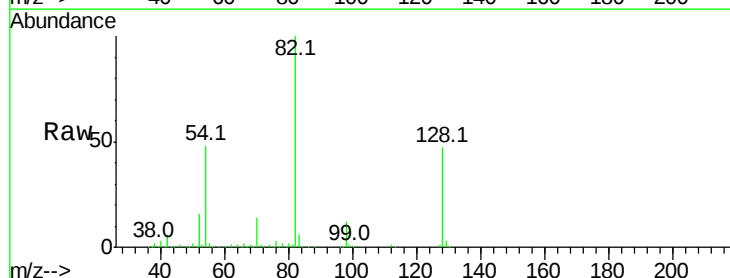
Ion Ratio Lower Upper

70 100

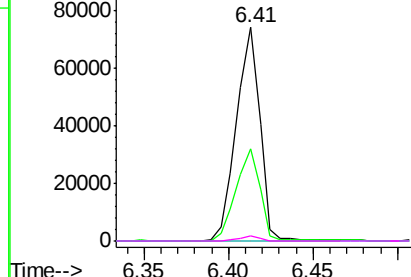
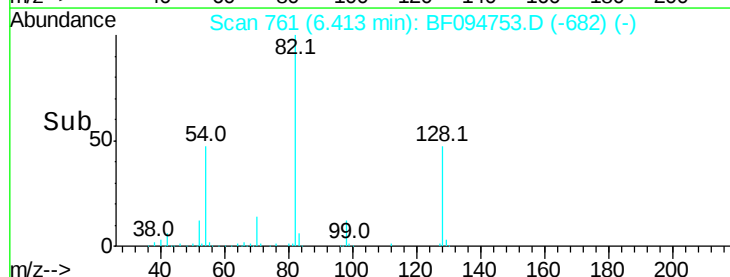
42 43.2 47.2 70.8#

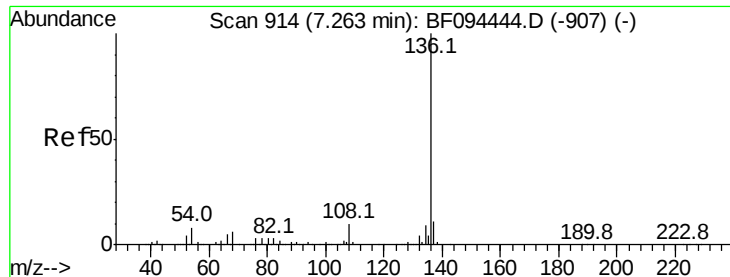
101 0.0 7.2 10.8#

130 2.5 15.9 23.9#



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): BF0
Ion 130.00 (129.70 to 130.70): 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

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 448839

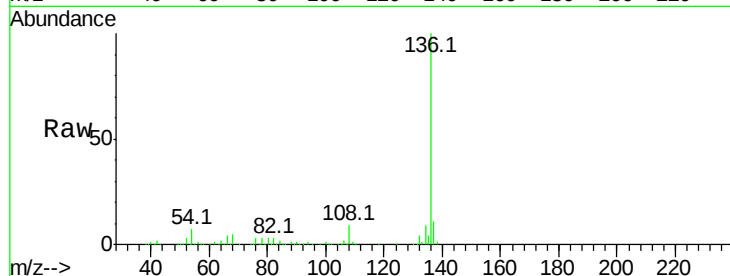
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.8 4.9 7.3

68 5.3 4.1 6.1

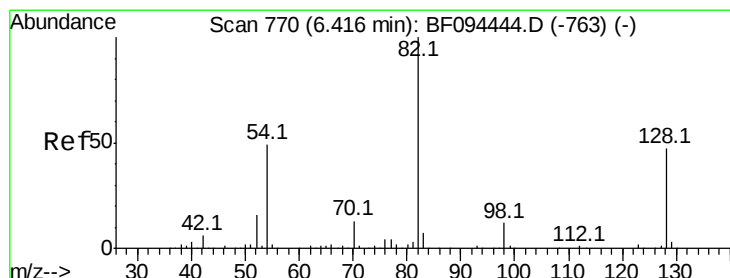
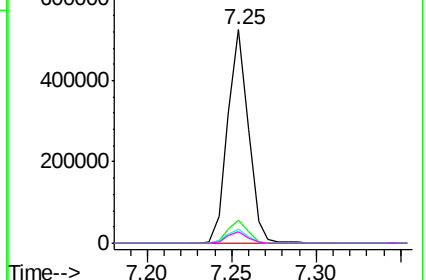
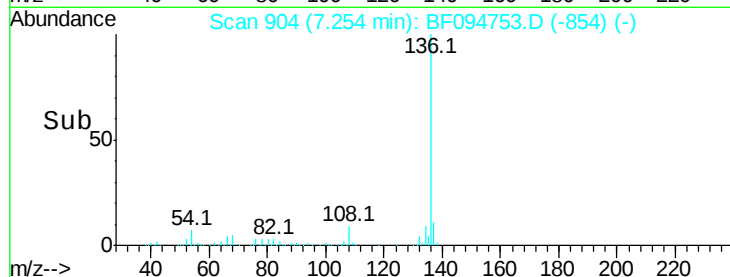


Abundance Ion 136.00 (135.70 to 136.70): E

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

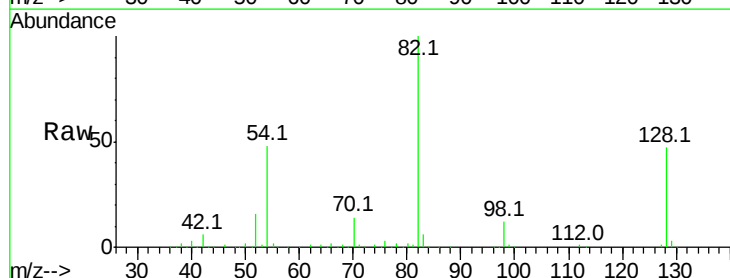
Tgt Ion: 82 Resp: 541922

Ion Ratio Lower Upper

82 100

128 47.5 34.0 51.0

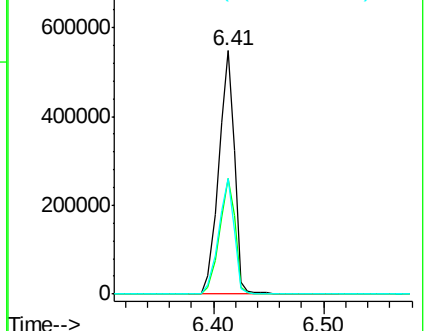
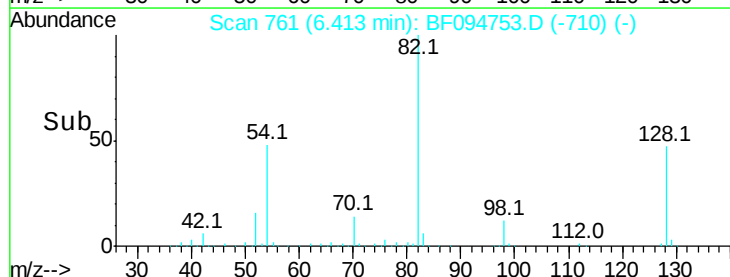
54 47.6 42.2 63.2

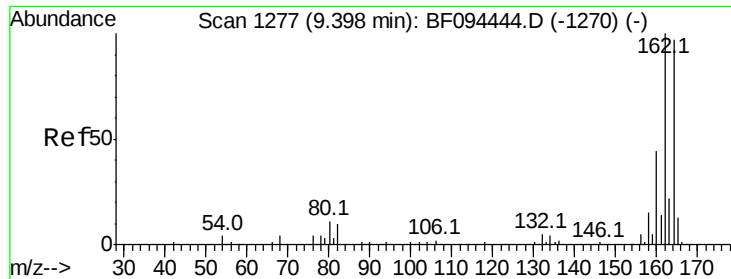


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

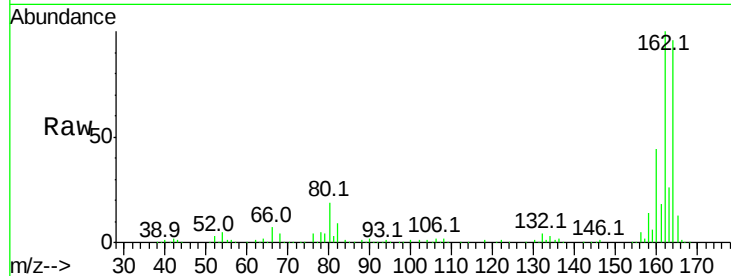




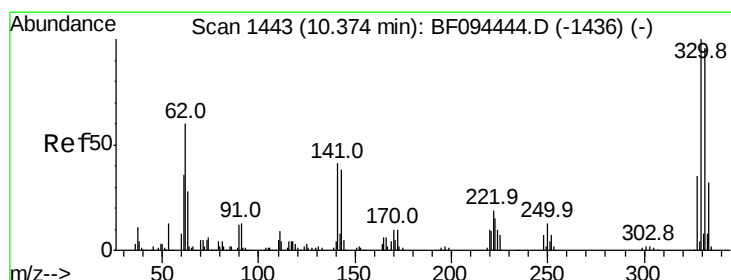
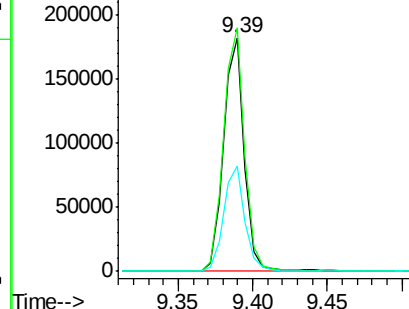
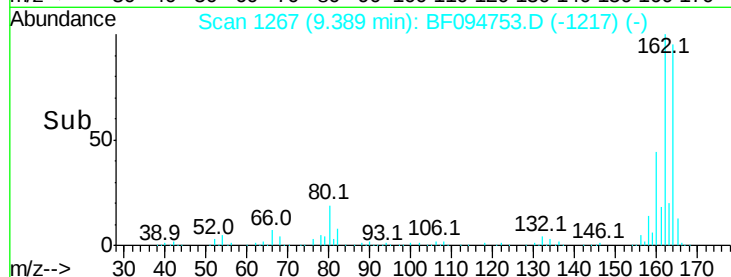
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Instrument :
BNA_F
ClientSampleId :

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

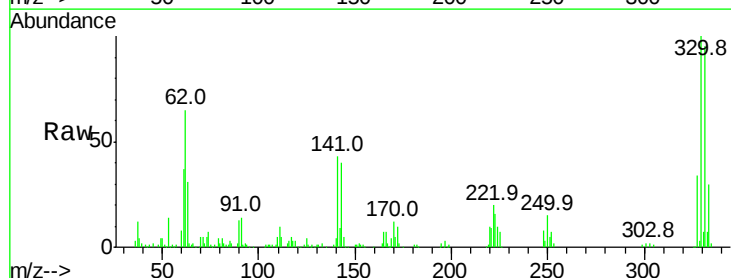


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

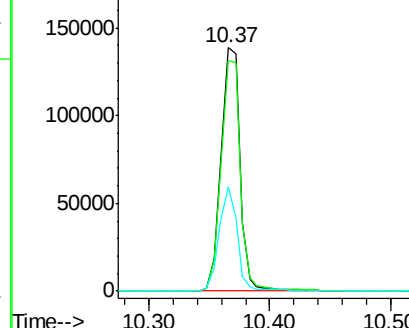
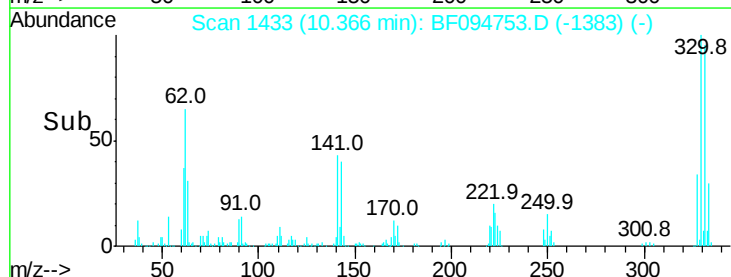


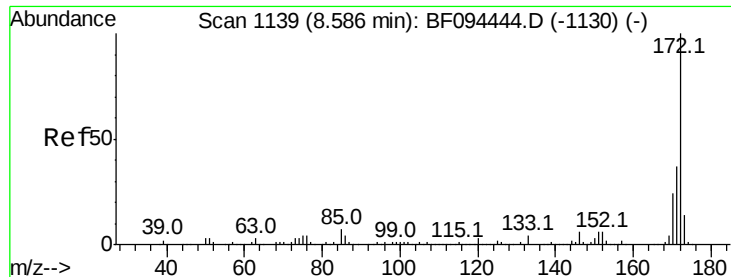
#41
2,4,6-Tribromophenol
Concen: 108.70 ng
RT: 10.37 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Tgt Ion:330 Resp: 150869
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

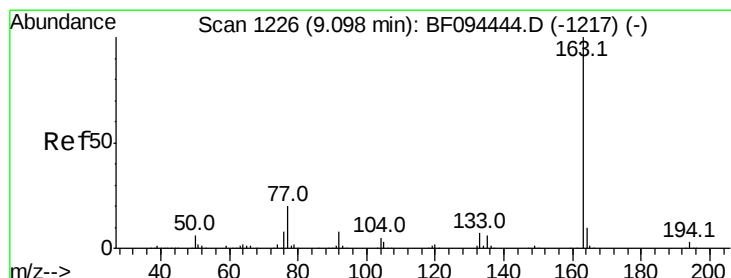
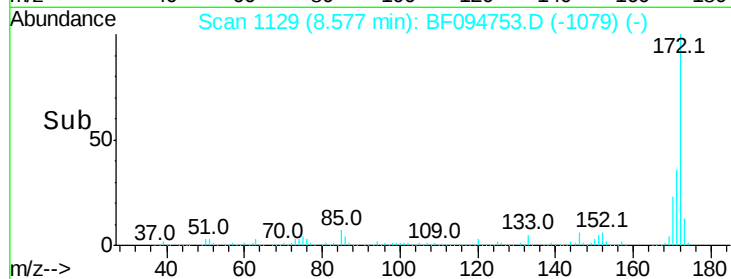
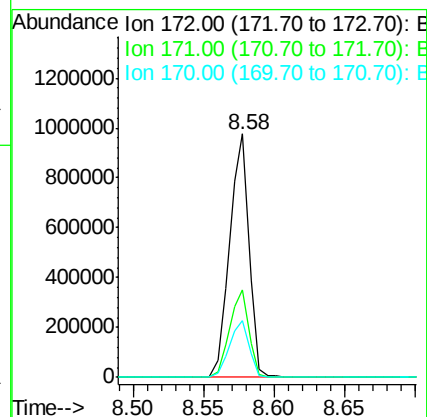
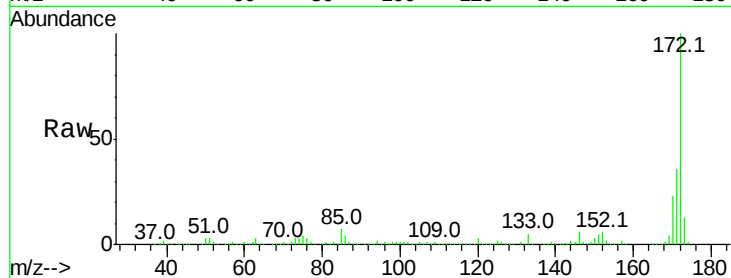




#44
2-Fluorobiphenyl
Concen: 77.44 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

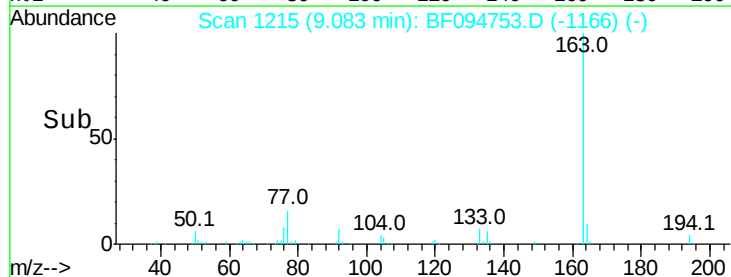
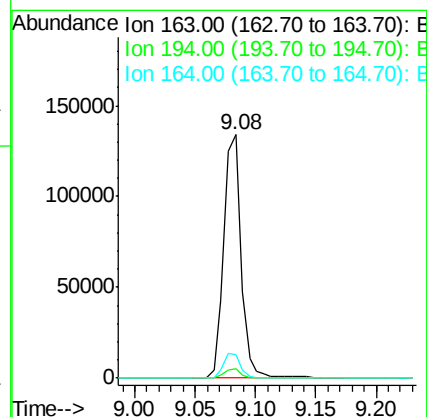
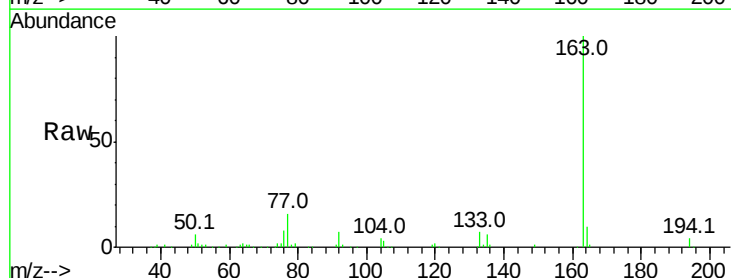
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 933905
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.4 19.8 29.8



#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

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

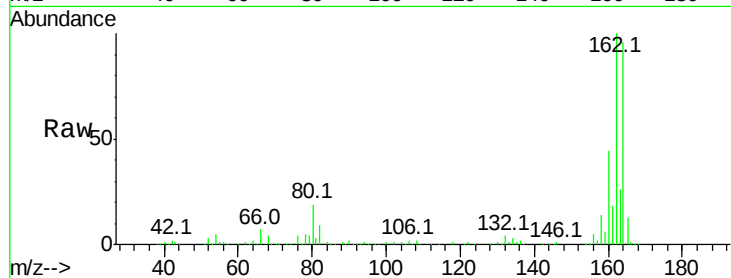




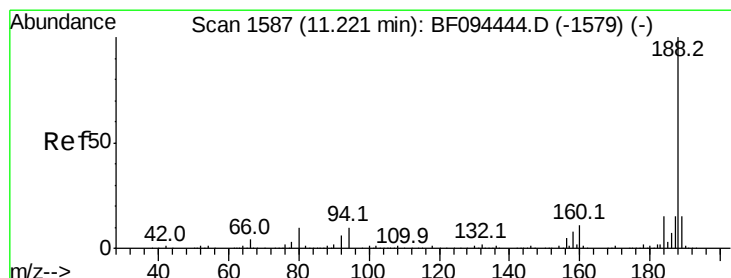
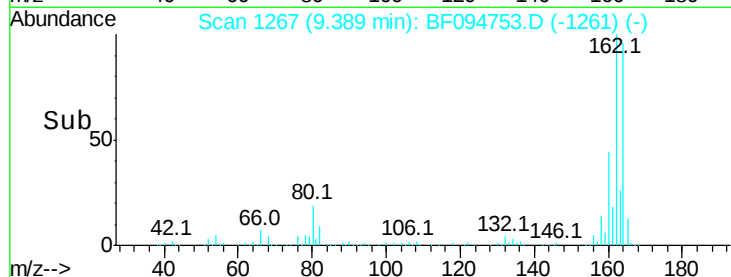
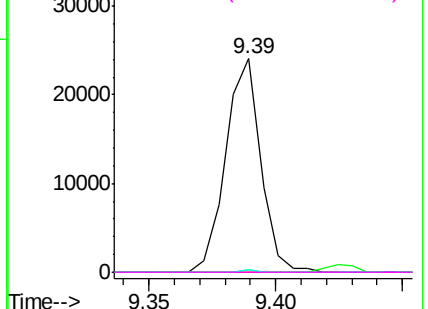
#56
 2,4-Dinitrotoluene
 Concen: 6.33 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094753.D
 Acq: 1 May 2017 16:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 23037
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.3 46.4 69.6#
 182 0.0 1.8 2.6#

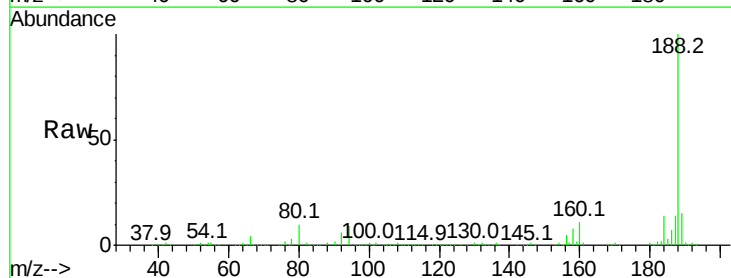


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

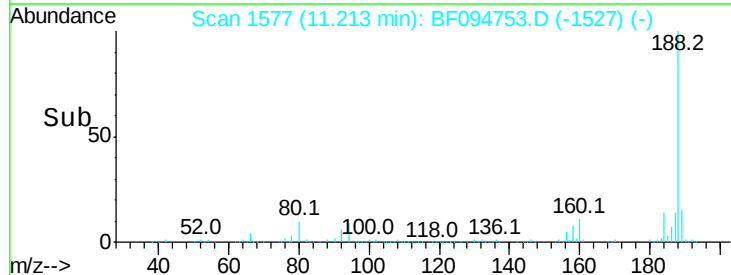
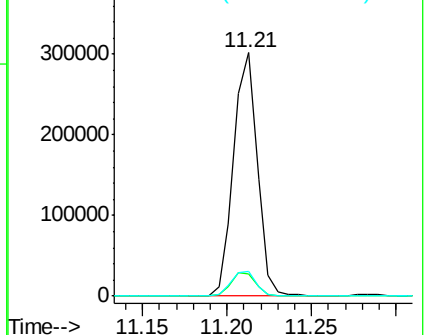


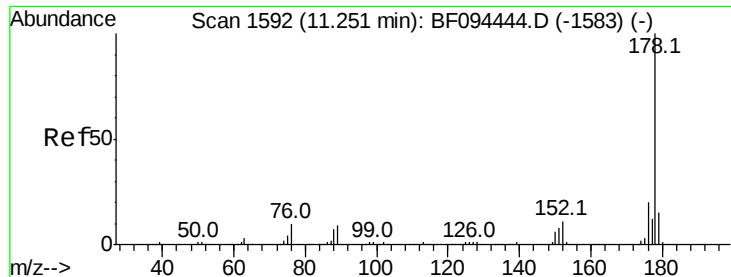
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094753.D
 Acq: 1 May 2017 16:06

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

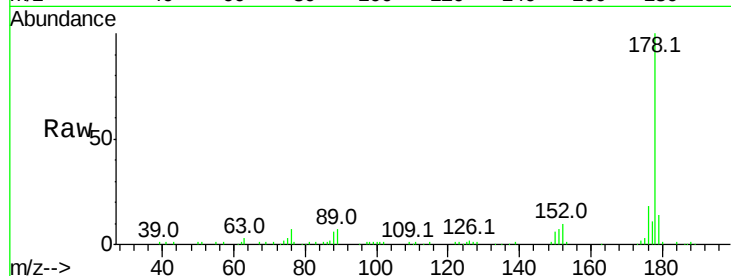




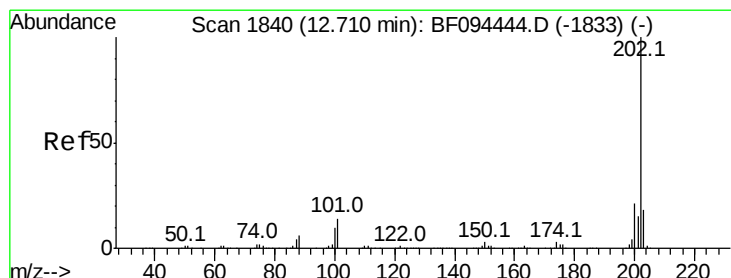
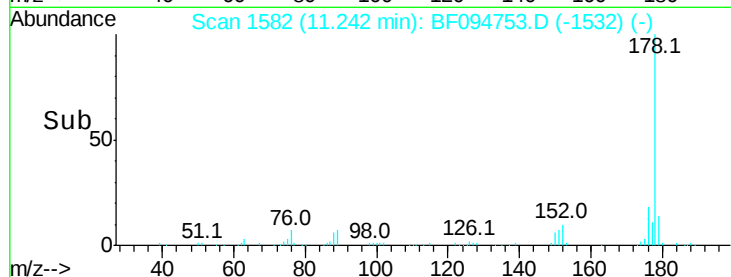
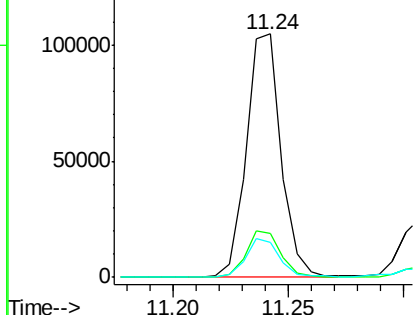
#70
Phenanthrene
Concen: 6.60 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

Instrument :
BNA_F
ClientSampleId :

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

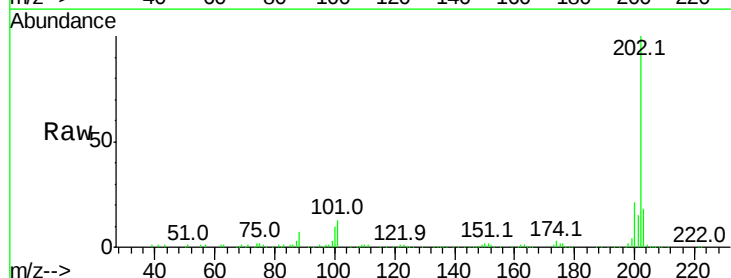


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

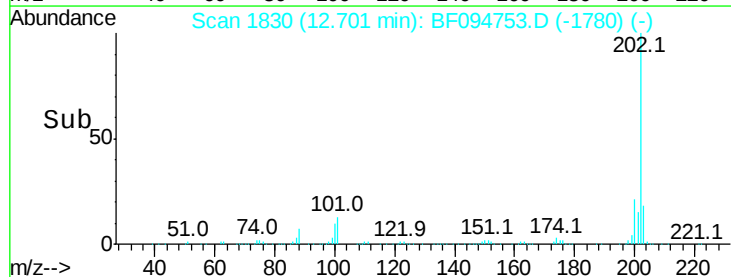
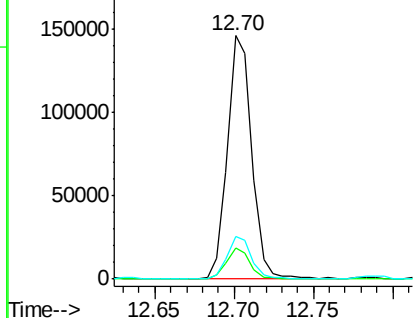


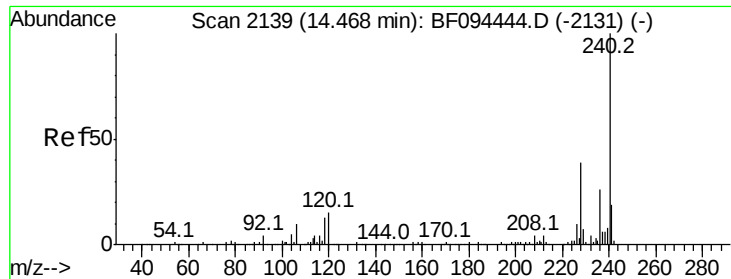
#74
Fluoranthene
Concen: 9.01 ng
RT: 12.70 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

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 :

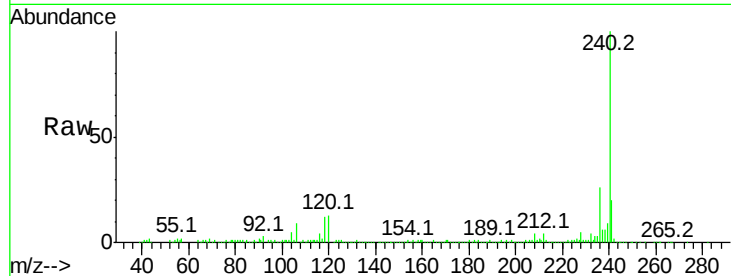
Tot Ion:240 Resp: 226540

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

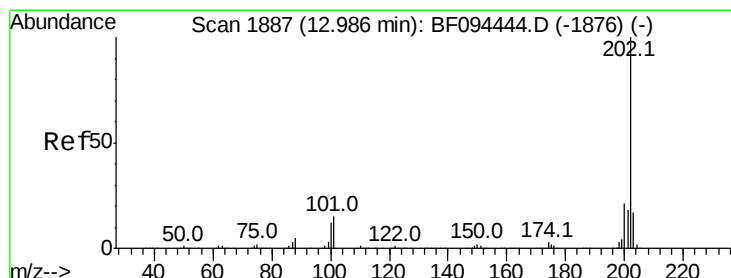
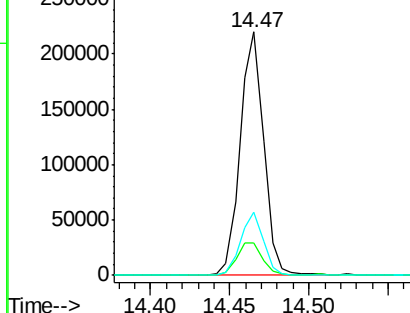
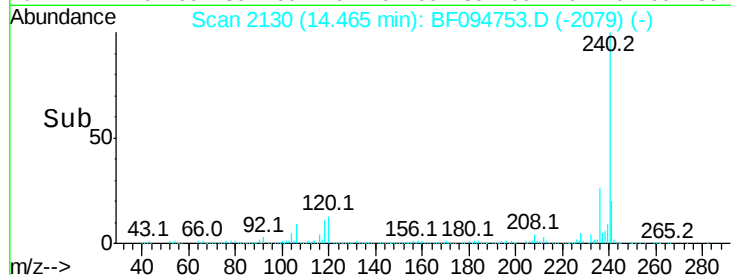
236 25.9 20.5 30.7



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

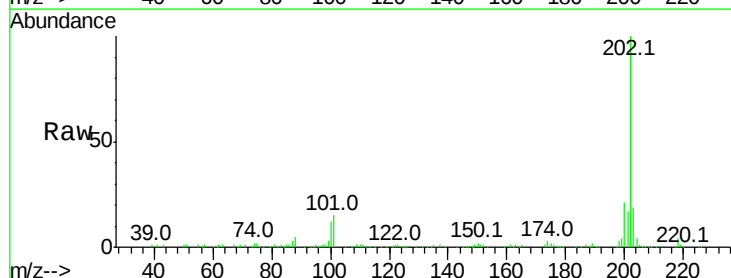
Tgt Ion:202 Resp: 140905

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

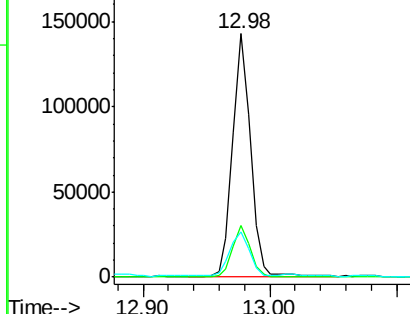
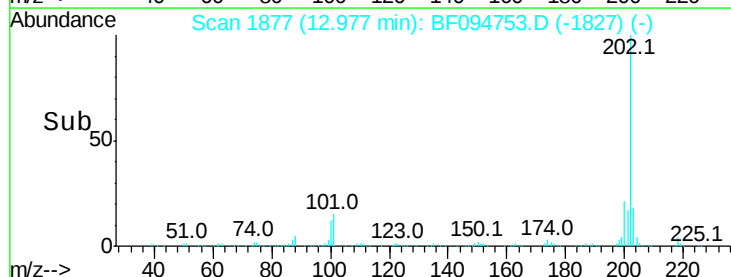
203 18.6 14.4 21.6

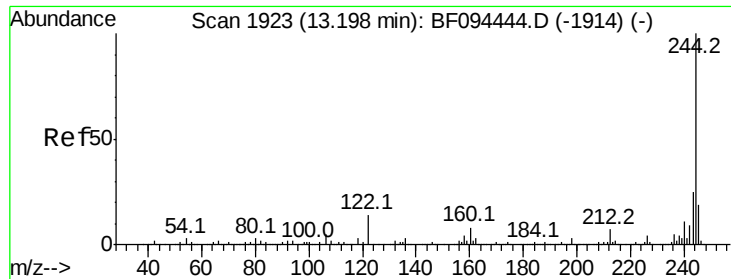


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

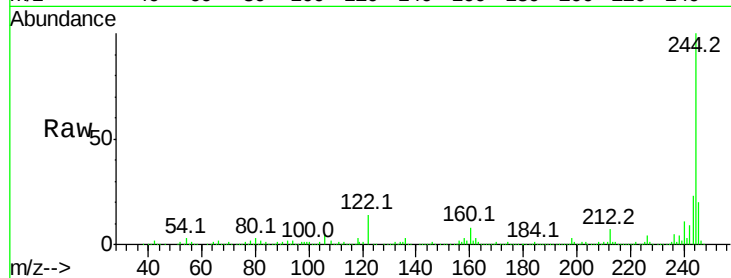




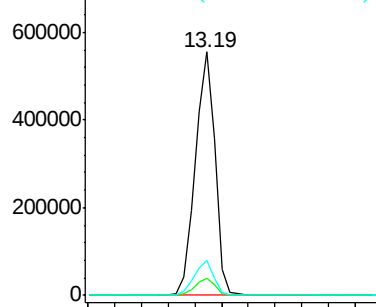
#78
 Terphenyl-d14
 Concen: 68.69 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094753.D
 Acq: 1 May 2017 16:06

Instrument :
 BNA_F
 ClientSampleId :

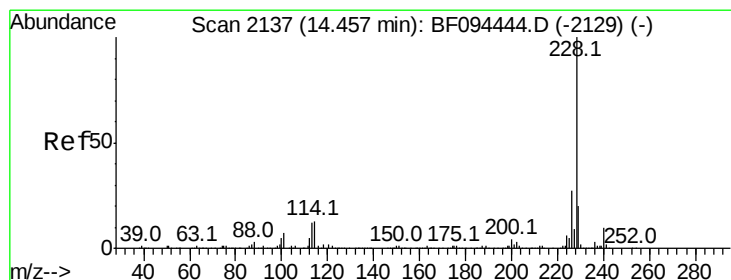
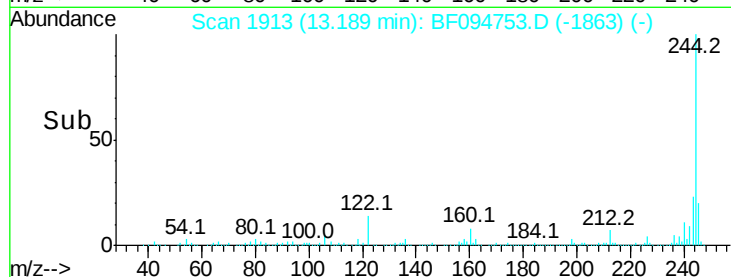
Tot Ion:244 Resp: 582180
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.2 10.3 15.5



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

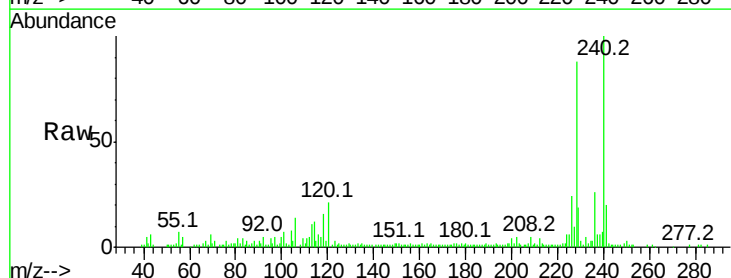


Time--> 13.10 13.20 13.30

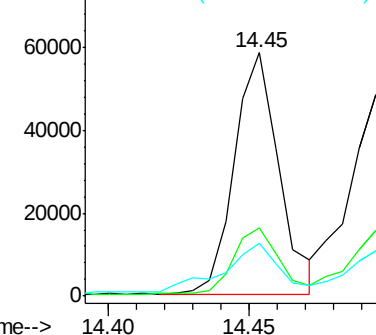


#80
 Benzo(a)anthracene
 Concen: 4.84 ng
 RT: 14.45 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BF094753.D
 Acq: 1 May 2017 16:06

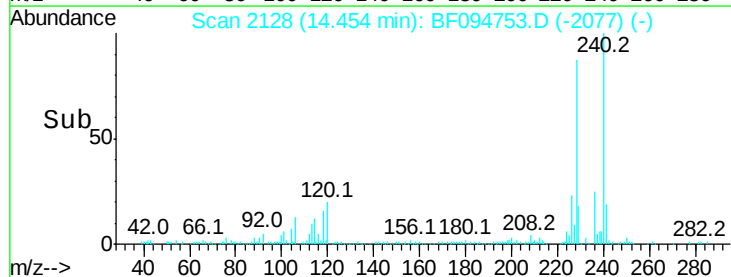
Tgt Ion:228 Resp: 63792
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 21.8 16.3 24.5

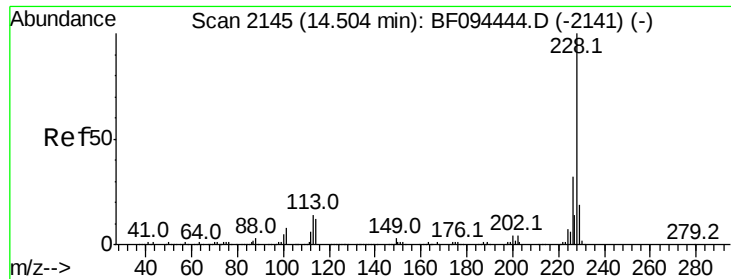


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time--> 14.40 14.45

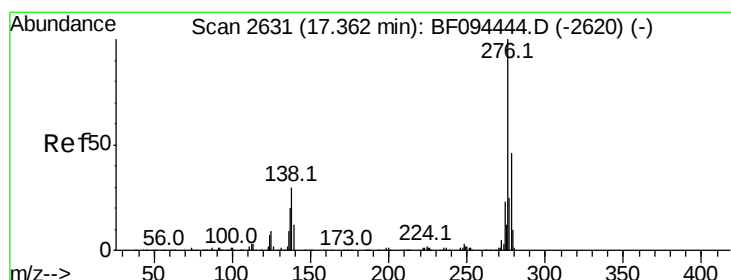
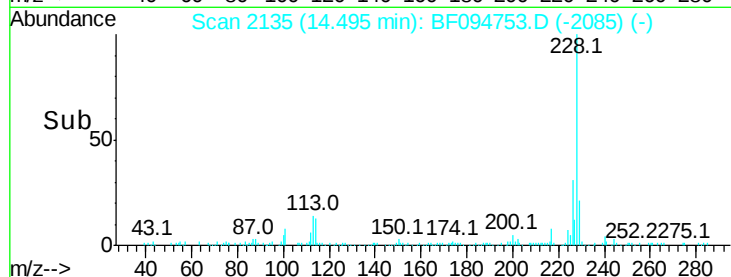
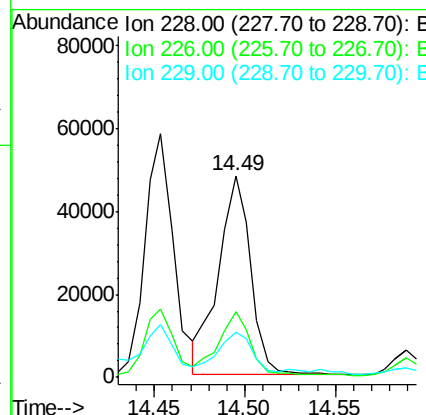
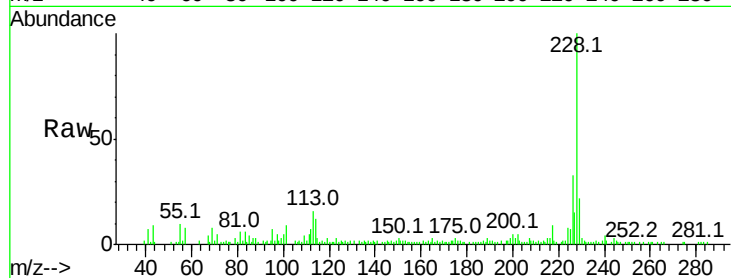




#82
Chrysene
Concen: 4.96 ng
RT: 14.49 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

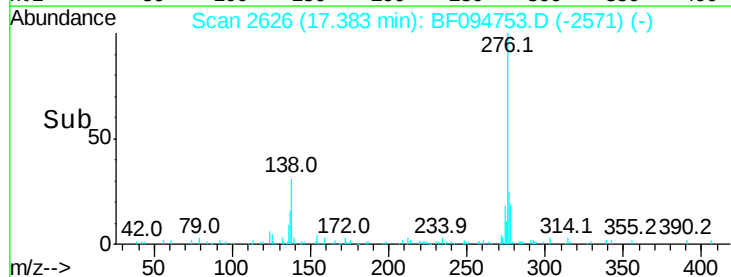
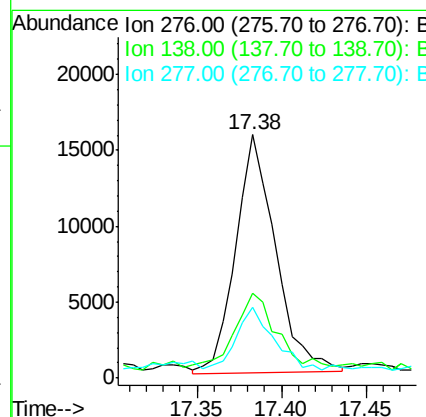
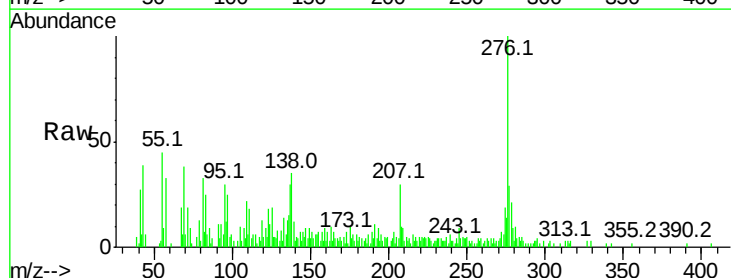
Instrument :
BNA_F
ClientSampleId :

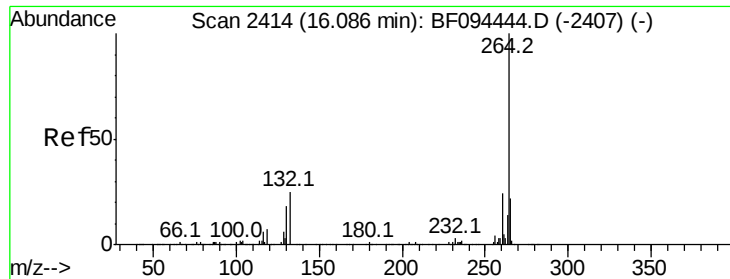
Tot Ion:228 Resp: 59687
Ion Ratio Lower Upper
228 100
226 32.7 24.9 37.3
229 22.5 15.8 23.6



#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

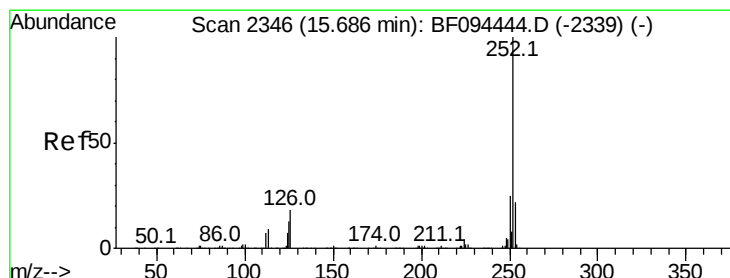
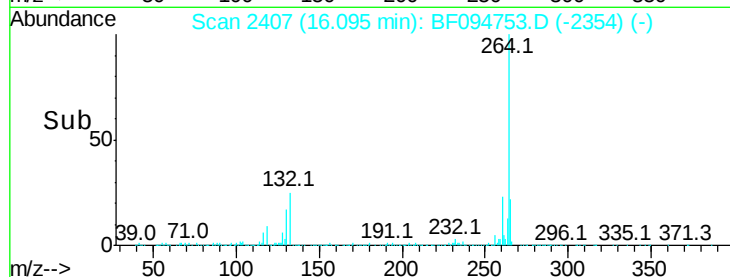
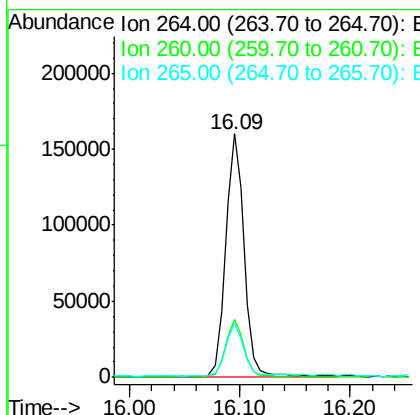
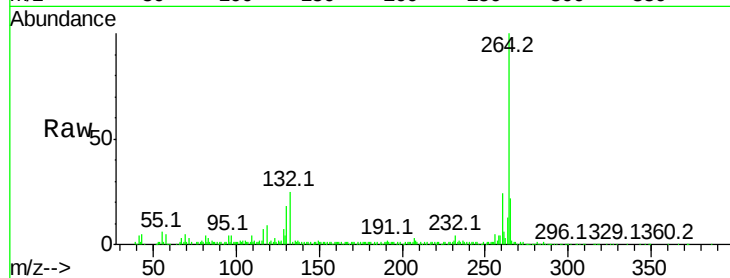




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

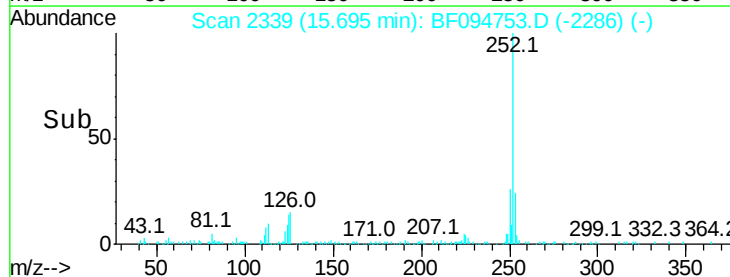
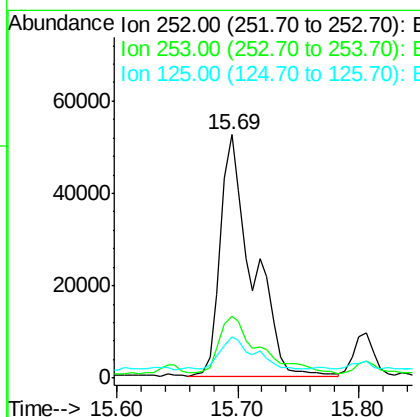
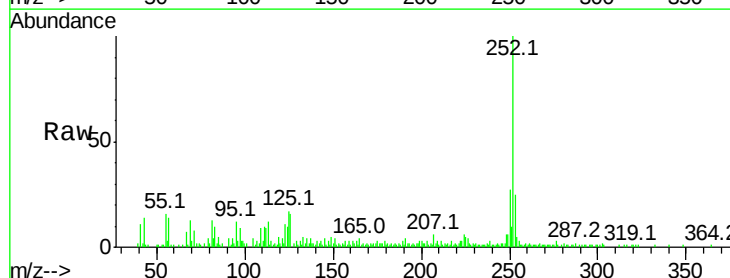
Instrument :
BNA_F
ClientSampleId :

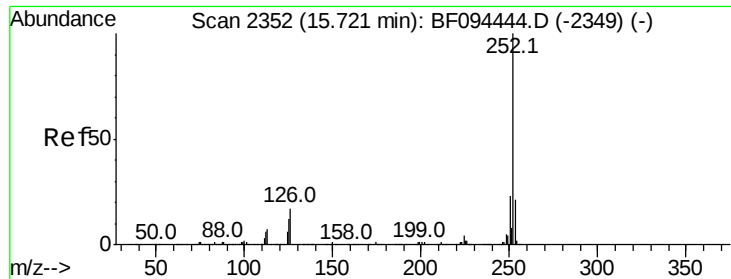
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.2	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 8.41 ng
RT: 15.69 min Scan# 2339
Delta R.T. 0.01 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

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

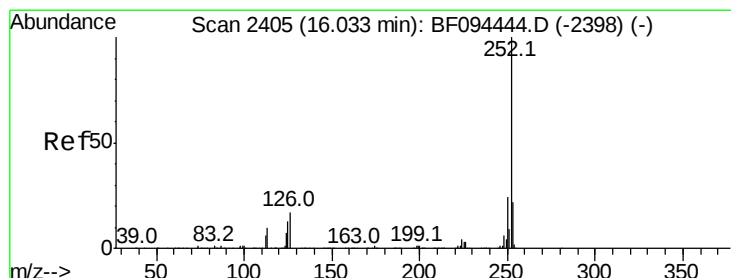
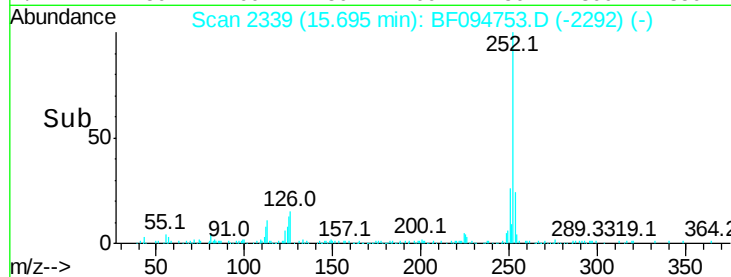
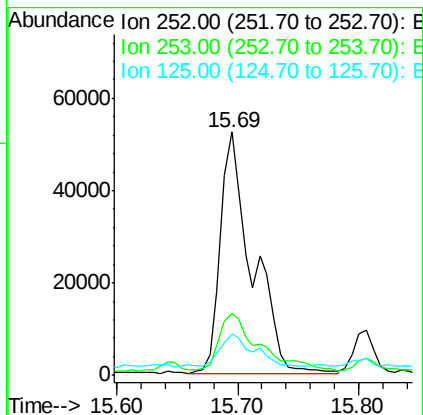
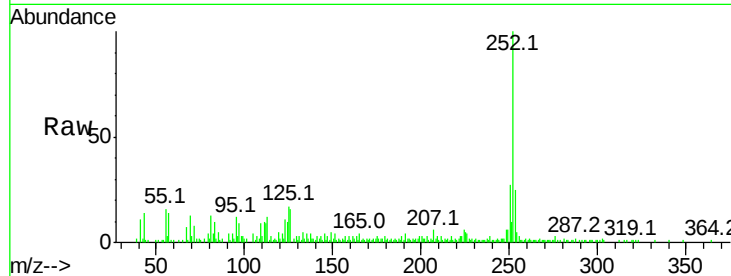




#88
Benzo(k)fluoranthene
Concen: 8.89 ng
RT: 15.69 min Scan# 2339
Delta R.T. -0.03 min
Lab File: BF094753.D
Acq: 1 May 2017 16:06

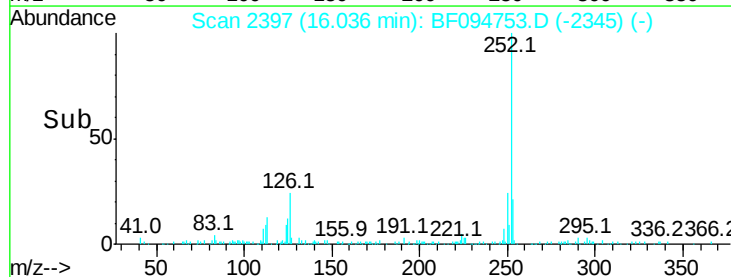
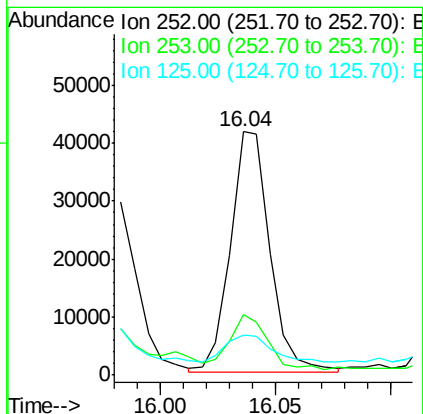
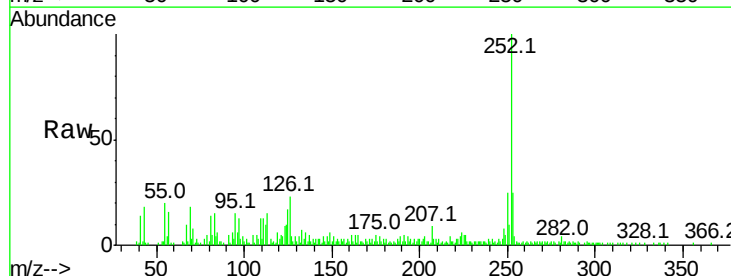
Instrument :
BNA_F
ClientSampleId :

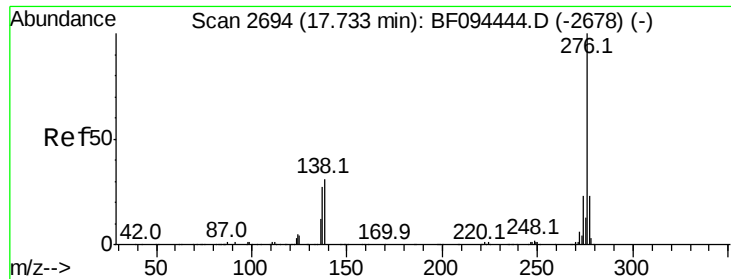
Tot Ion:252 Resp: 95321
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 17.2 13.1 19.7



#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 :

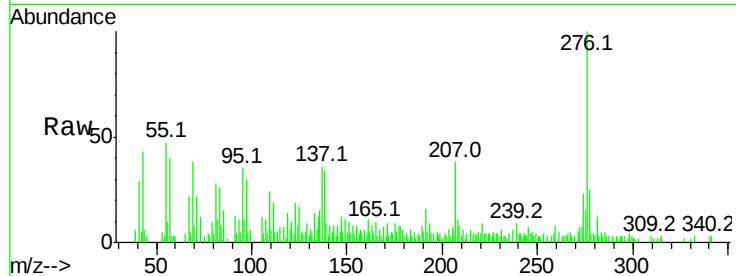
Tot Ion:276 Resp: 25276

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

