

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
 Data File : BF082732.D
 Acq On : 5 Nov 2015 16:35
 Operator : UM/IZ
 Sample : G4261-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-2

Quant Time: Nov 06 10:31:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

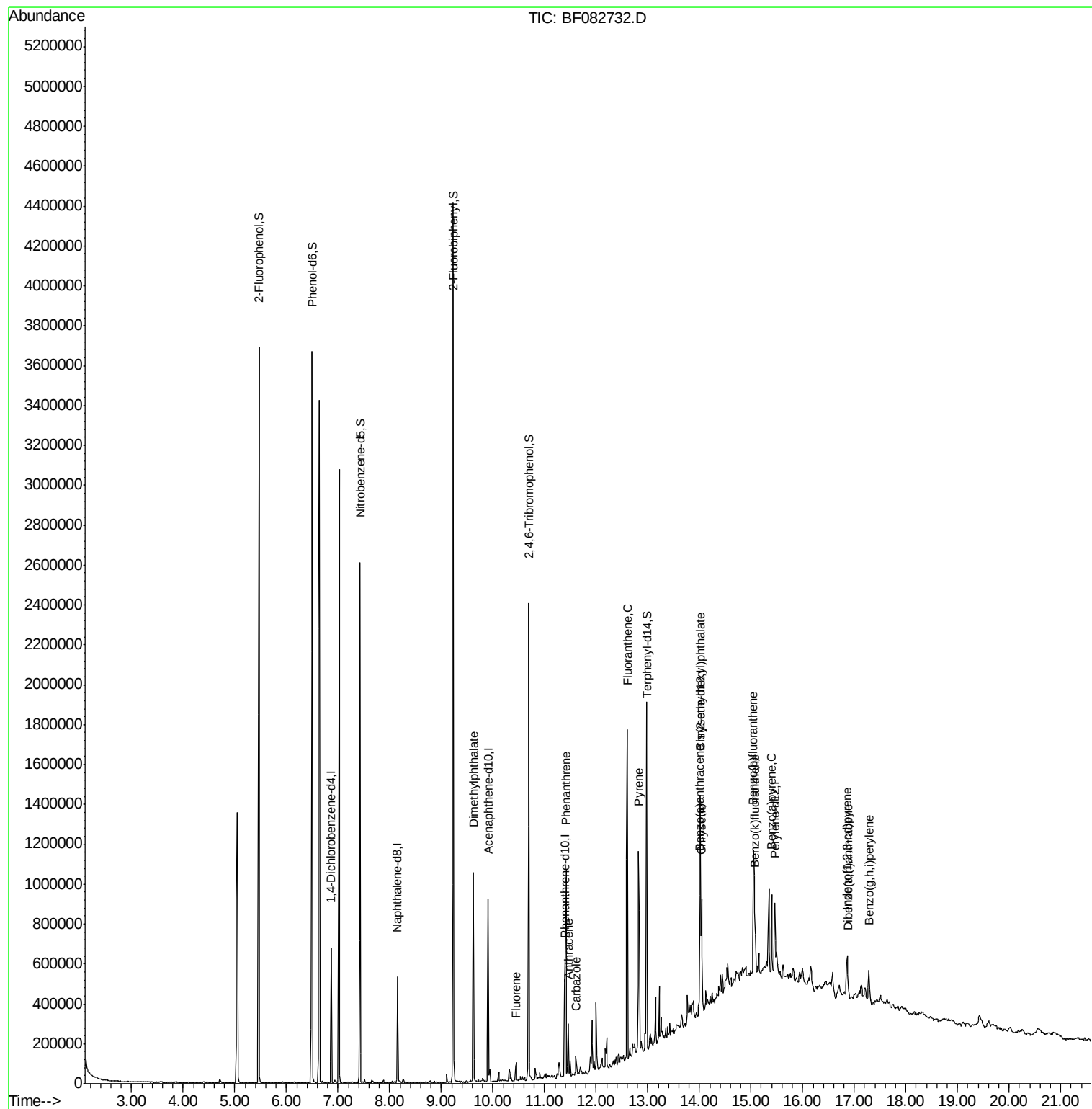
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	87391	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	305413	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	162440	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	263145	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	179144	20.00	ng	-0.03
86) Perylene-d12	15.46	264	178294	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1015234	174.97	ng	0.00
7) Phenol-d6	6.50	99	1436654	186.38	ng	-0.01
23) Nitrobenzene-d5	7.42	82	838777	112.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	319473	179.71	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1230752	107.57	ng	-0.02
78) Terphenyl-d14	12.98	244	755887	92.34	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	365324	27.54	ng	98
57) Fluorene	10.45	166	33953	2.85	ng	94
70) Phenanthrene	11.41	178	507023	34.16	ng	96
71) Anthracene	11.46	178	103535	6.93	ng	93
72) Carbazole	11.61	167	38474	2.96	ng	96
74) Fluoranthene	12.60	202	838312	55.25	ng	93
77) Pyrene	12.82	202	551360	41.56	ng	95
80) Benzo(a)anthracene	14.01	228	188773m	16.59	ng	
82) Chrysene	14.04	228	306314m	29.70	ng	
83) Bis(2-ethylhexyl)phthalate	14.02	149	91577	12.16	ng	99
85) Indeno(1,2,3-cd)pyrene	16.87	276	167198	19.64	ng	97
87) Benzo(b)fluoranthene	15.05	252	415038m	33.76	ng	
88) Benzo(k)fluoranthene	15.07	252	74021m	7.90	ng	
89) Benzo(a)pyrene	15.40	252	201476	20.81	ng	95
90) Dibenzo(a,h)anthracene	16.88	278	35138	3.89	ng	# 84
91) Benzo(g,h,i)perylene	17.29	276	154830	17.68	ng	97

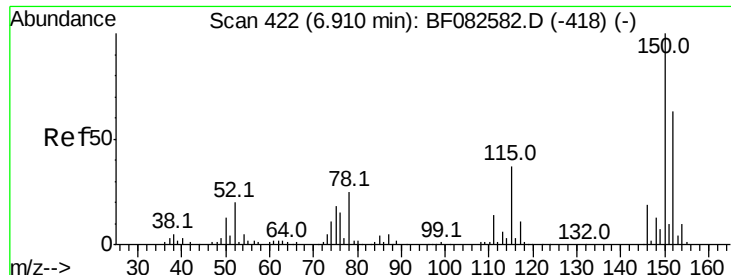
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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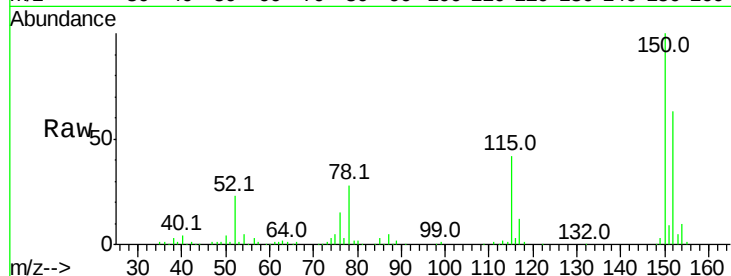


#1

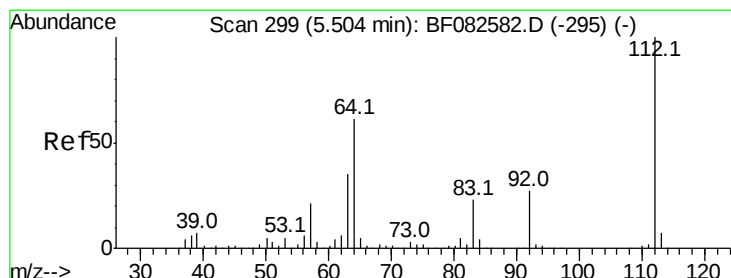
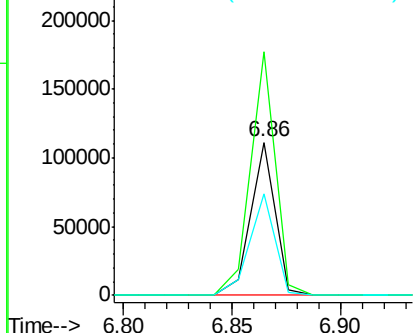
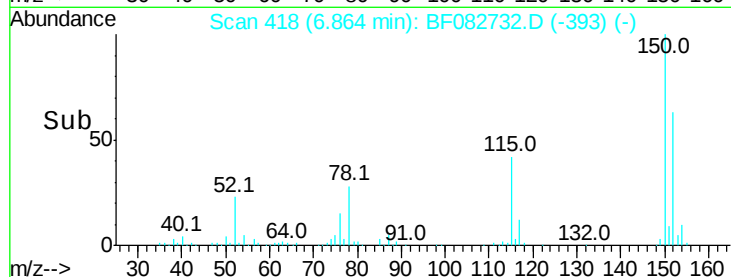
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Instrument :
BNA_F
ClientSampleId :
DW-2

Tot Ion:152 Resp: 87391
Ion Ratio Lower Upper
152 100
150 158.7 127.0 190.4
115 66.0 47.0 70.6



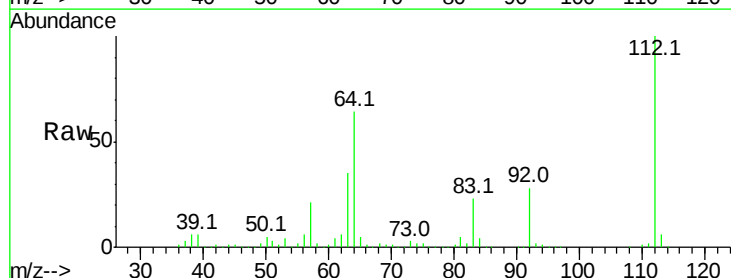
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



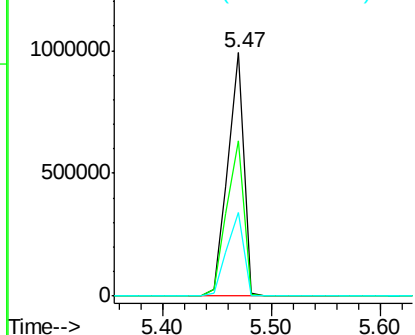
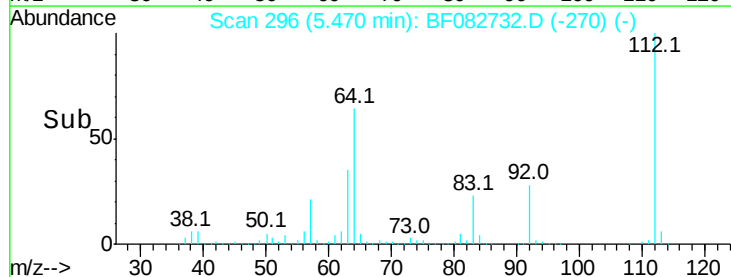
#5

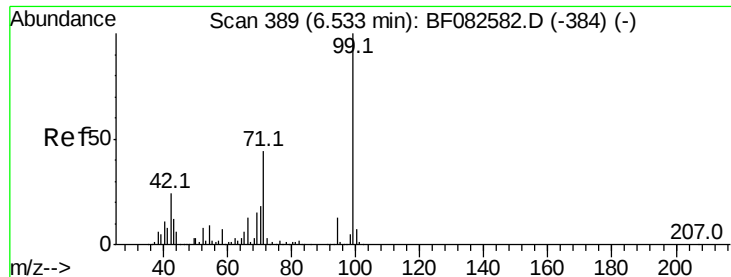
2-Fluorophenol
Concen: 174.97 ng
RT: 5.47 min Scan# 296
Delta R.T. 0.00 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Tgt Ion:112 Resp: 1015234
Ion Ratio Lower Upper
112 100
64 63.8 48.9 73.3
63 34.6 28.1 42.1



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: 186.38 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

Instrument :

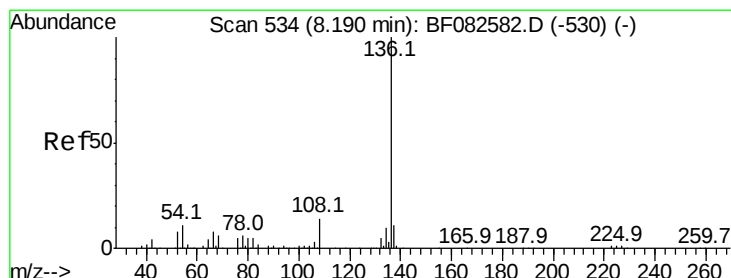
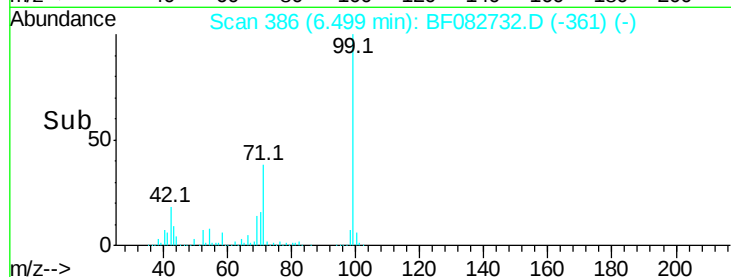
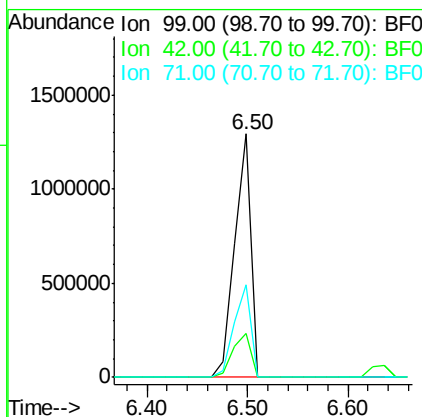
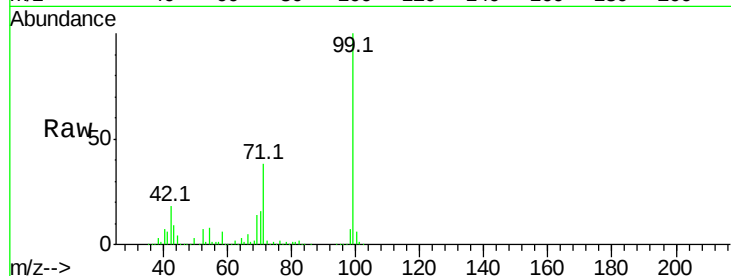
BNA_F

ClientSampleId :

DW-2

Tot Ion: 99 Resp: 1436654

Ion	Ratio	Lower	Upper
99	100		
42	18.2	19.2	28.8#
71	38.2	35.0	52.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

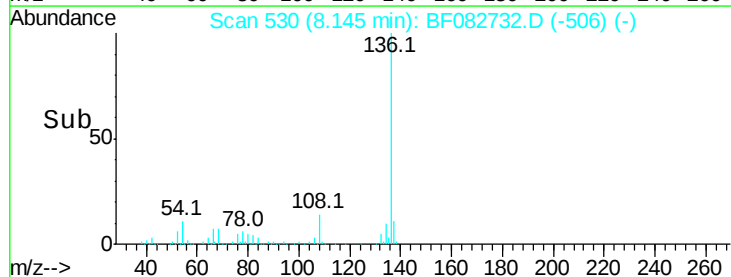
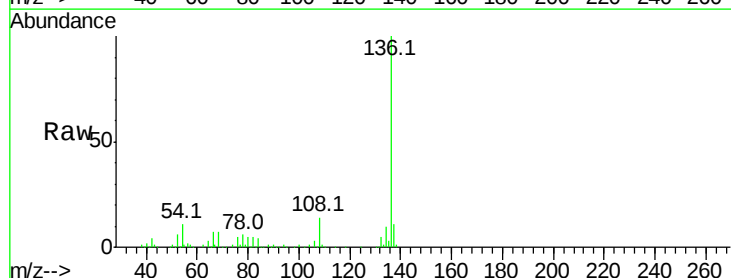
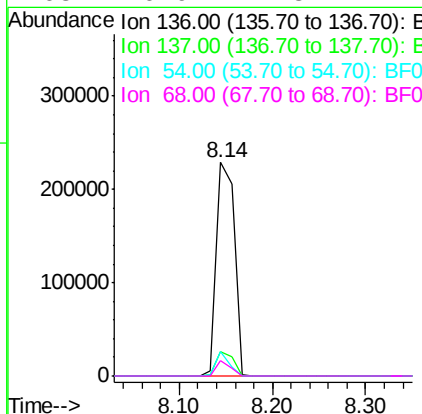
Delta R.T. -0.02 min

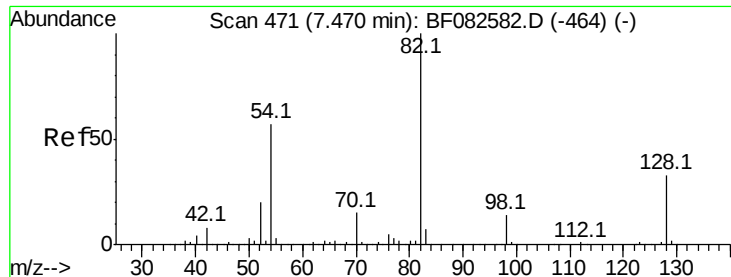
Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

Tgt Ion: 136 Resp: 305413

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	11.3	9.1	13.7
68	6.9	4.8	7.2

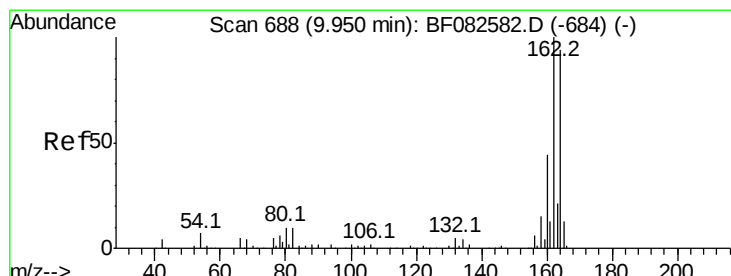
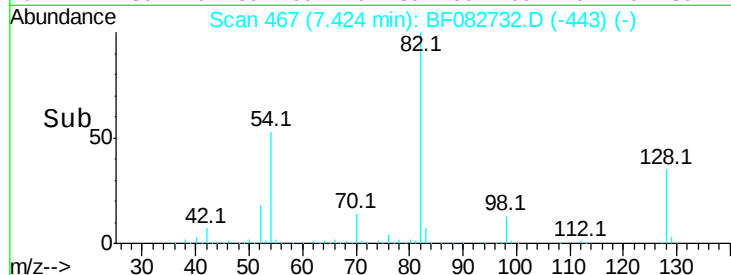
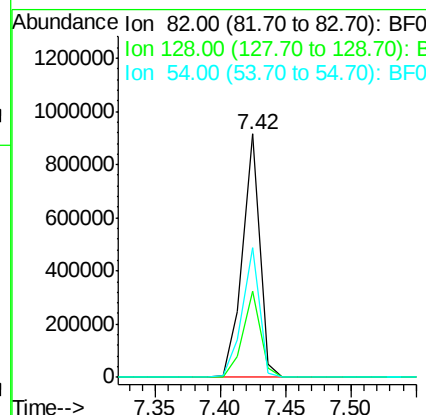
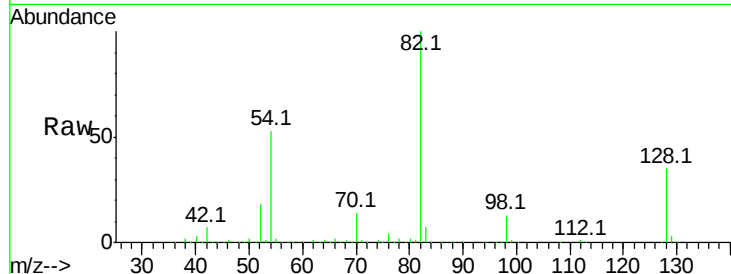




#23
Nitrobenzene-d5
Concen: 112.15 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.02 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

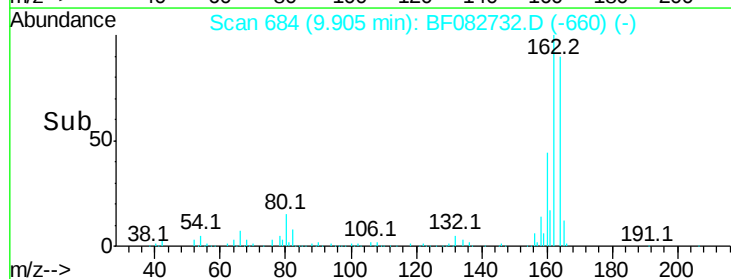
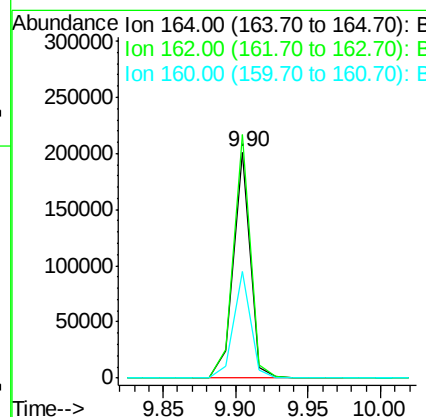
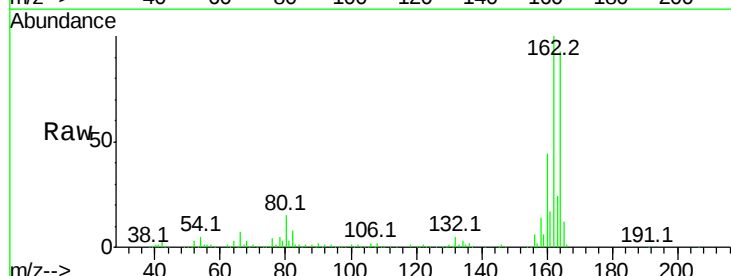
Instrument :
BNA_F
ClientSampleID :
DW-2

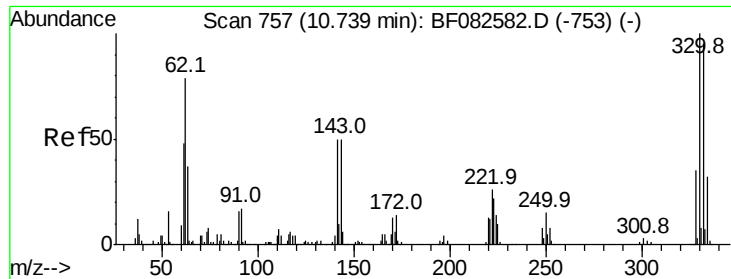
Tot Ion: 82 Resp: 838777
Ion Ratio Lower Upper
82 100
128 35.5 26.8 40.2
54 53.4 45.7 68.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Tgt Ion:164 Resp: 162440
Ion Ratio Lower Upper
164 100
162 107.6 84.9 127.3
160 47.1 37.5 56.3

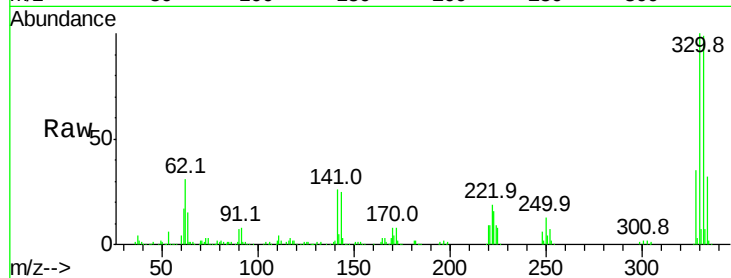




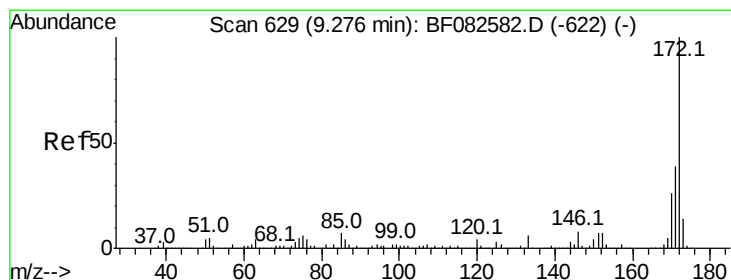
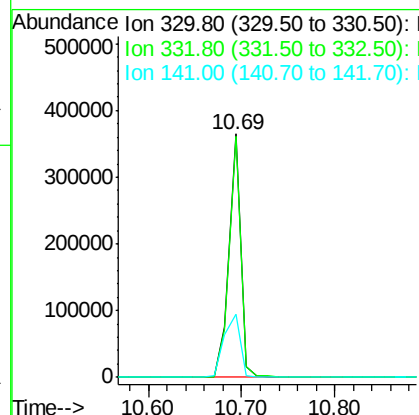
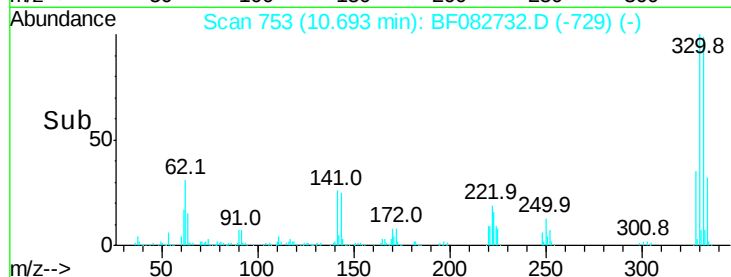
#41
 2,4,6-Tribromophenol
 Concen: 179.71 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: BF082732.D
 Acq: 5 Nov 2015 16:35

Instrument :
 BNA_F
 ClientSampleId :
 DW-2

Tot Ion:330 Resp: 319473
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 114.8
 141 35.6 41.2 61.8#

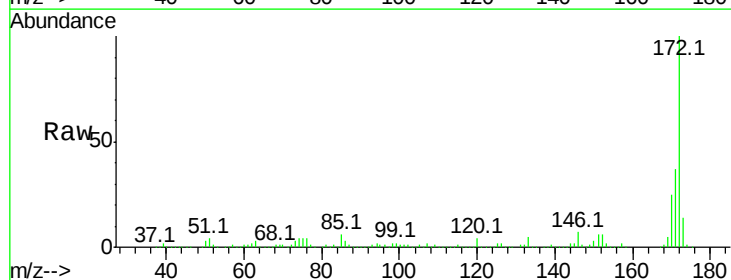


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

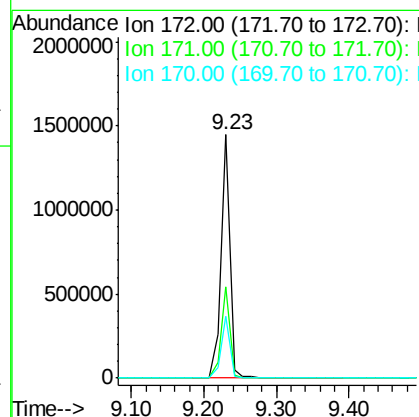
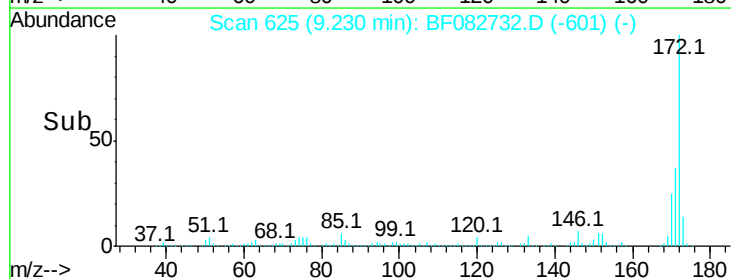


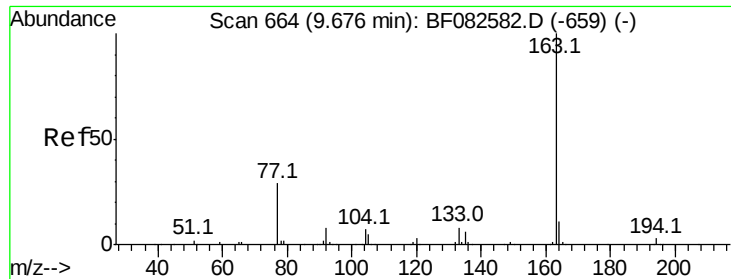
#44
 2-Fluorobiphenyl
 Concen: 107.57 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF082732.D
 Acq: 5 Nov 2015 16:35

Tgt Ion:172 Resp: 1230752
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 25.2 21.2 31.8



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

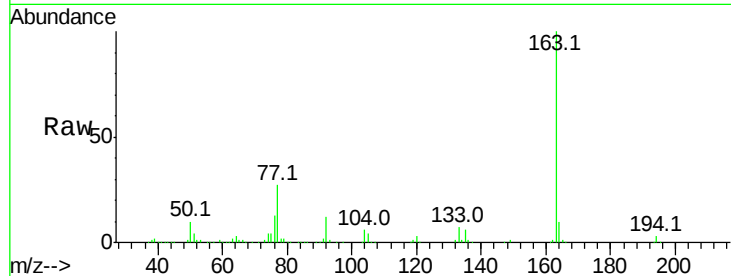




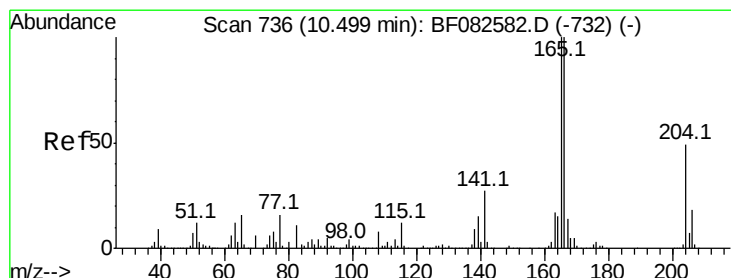
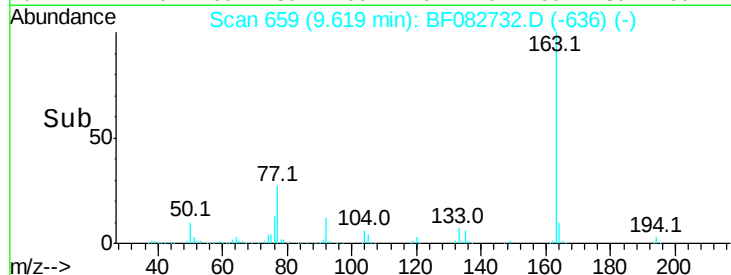
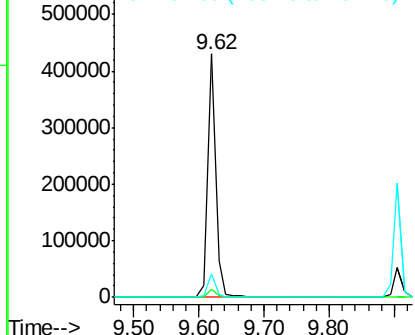
#49
Dimethylphthalate
Concen: 27.54 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.03 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Instrument :
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ClientSampleId :
DW-2

Tot Ion:163 Resp: 365324
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.8 8.7 13.1

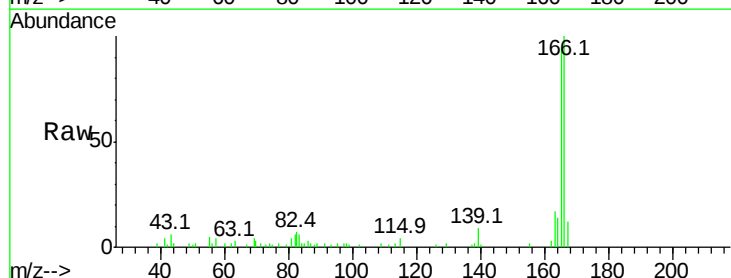


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

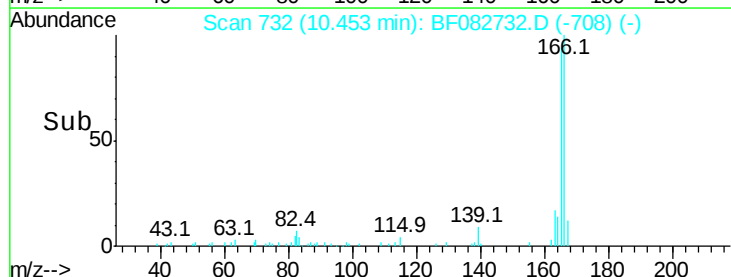
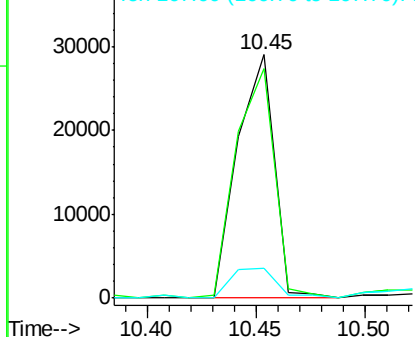


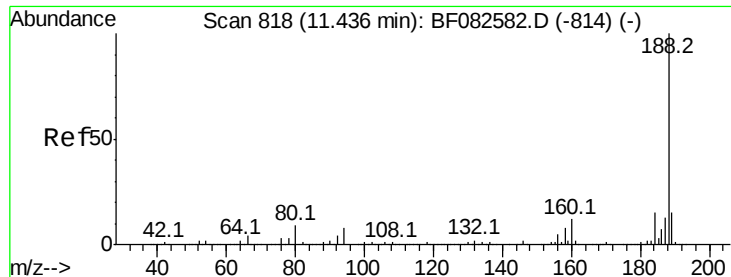
#57
Fluorene
Concen: 2.85 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.02 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Tgt Ion:166 Resp: 33953
Ion Ratio Lower Upper
166 100
165 94.1 80.2 120.4
167 12.4 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

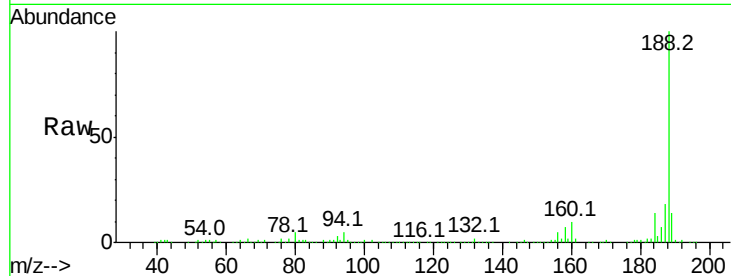




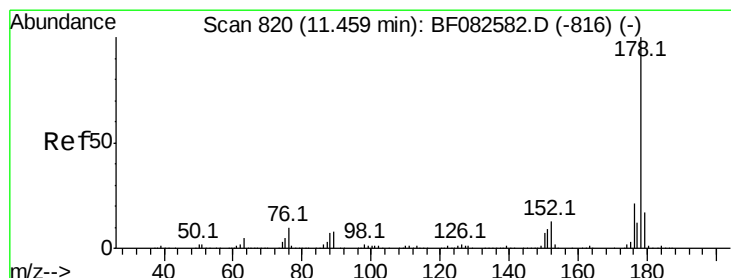
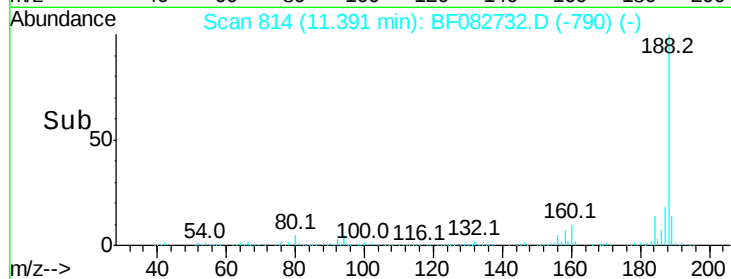
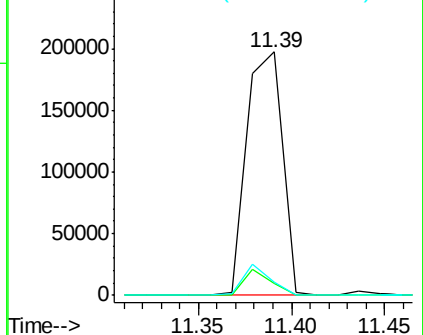
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Instrument :
BNA_F
ClientSampleId :
DW-2

Tot Ion:188 Resp: 263145
Ion Ratio Lower Upper
188 100
94 4.8 6.1 9.1#
80 5.3 7.0 10.6#

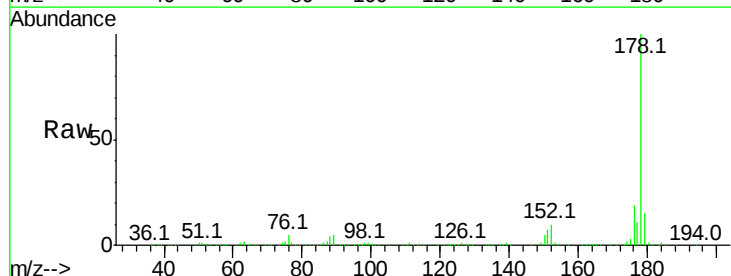


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

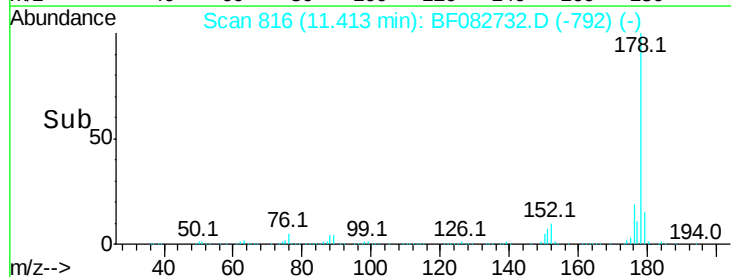
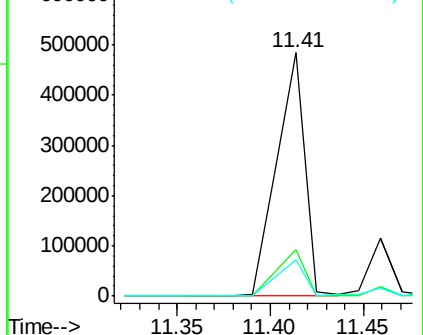


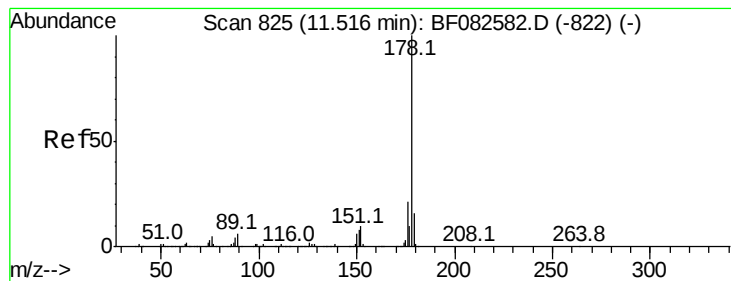
#70
Phenanthrene
Concen: 34.16 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Tgt Ion:178 Resp: 507023
Ion Ratio Lower Upper
178 100
176 19.2 17.0 25.4
179 14.6 13.4 20.0



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





#71

Anthracene

Concen: 6.93 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.02 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

Instrument :

BNA_F

ClientSampleId :

DW-2

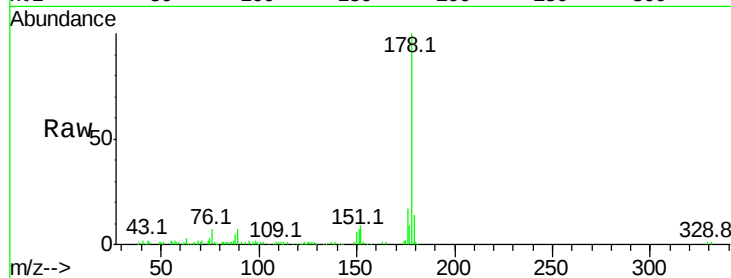
Tot Ion:178 Resp: 103535

Ion Ratio Lower Upper

178 100

176 16.8 16.5 24.7

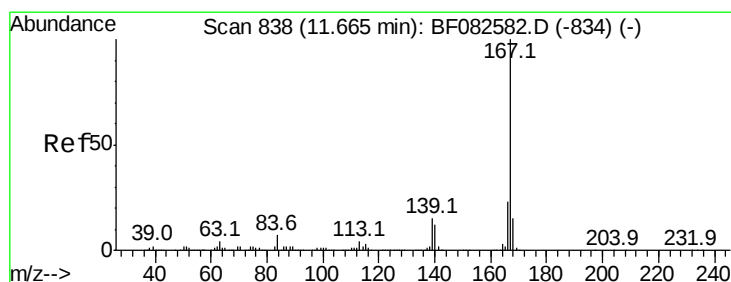
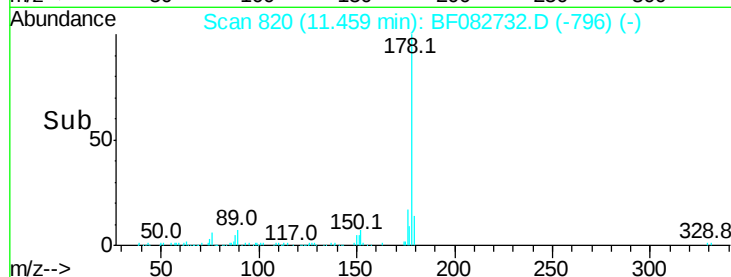
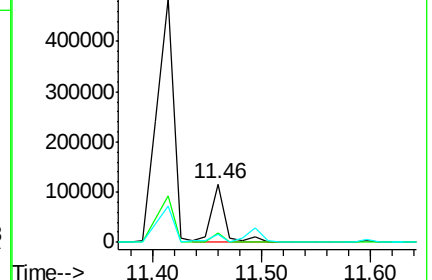
179 14.5 13.2 19.8



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



#72

Carbazole

Concen: 2.96 ng

RT: 11.61 min Scan# 833

Delta R.T. -0.03 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

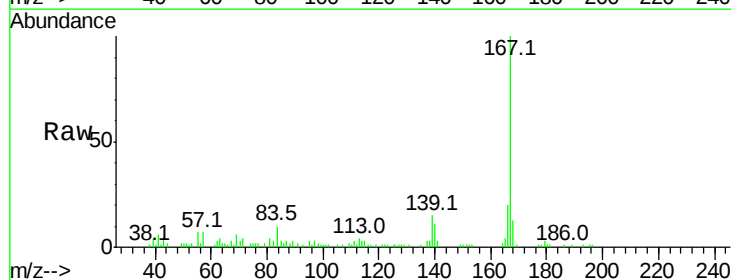
Tgt Ion:167 Resp: 38474

Ion Ratio Lower Upper

167 100

166 20.5 18.7 28.1

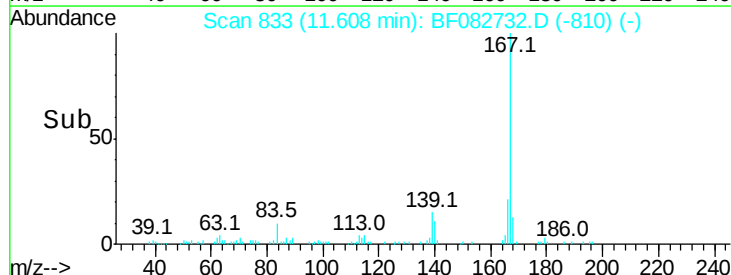
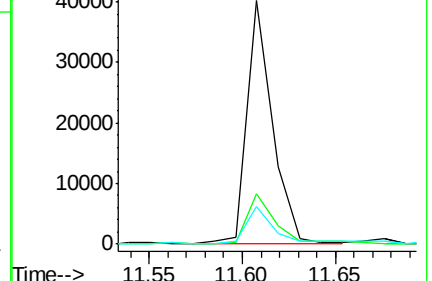
139 15.2 11.8 17.6

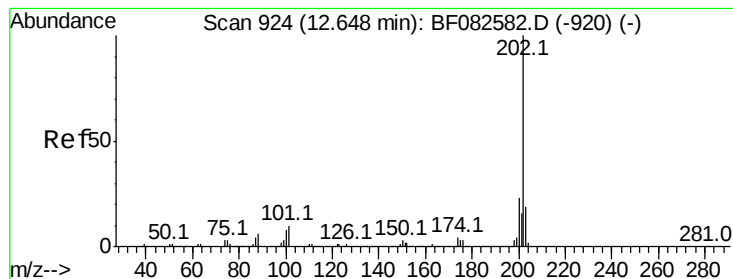


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 55.25 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

Instrument :

BNA_F

ClientSampleId :

DW-2

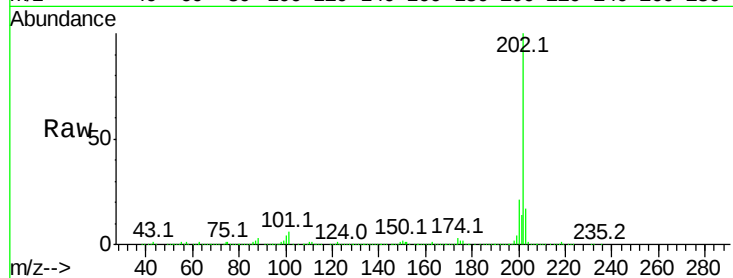
Tot Ion:202 Resp: 838312

Ion Ratio Lower Upper

202 100

101 5.7 0.0 30.5

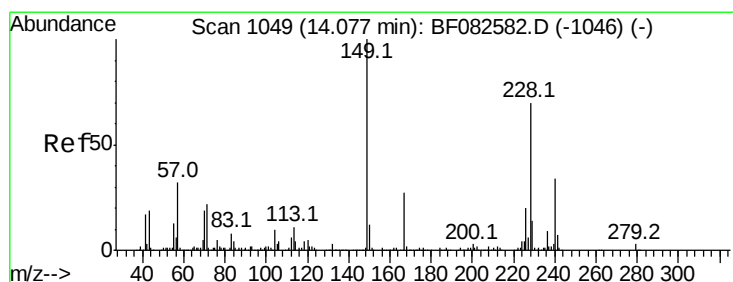
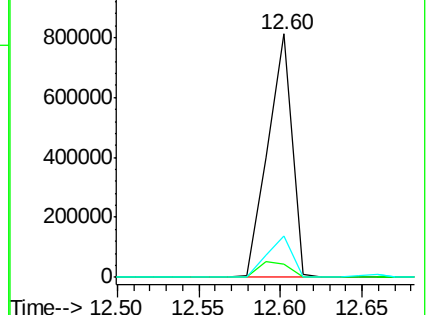
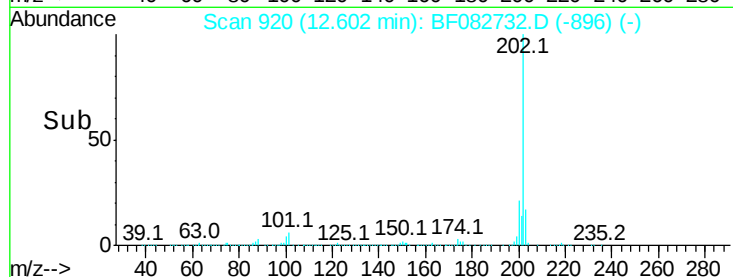
203 17.0 0.0 38.5



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: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

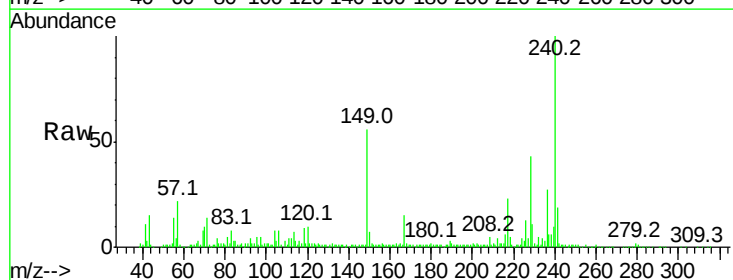
Tgt Ion:240 Resp: 179144

Ion Ratio Lower Upper

240 100

120 9.5 10.9 16.3#

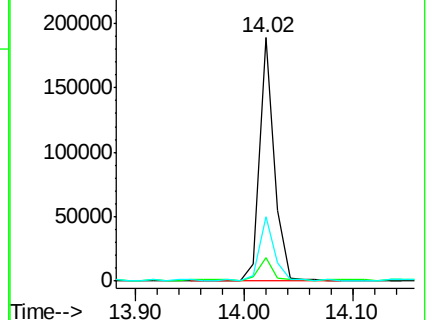
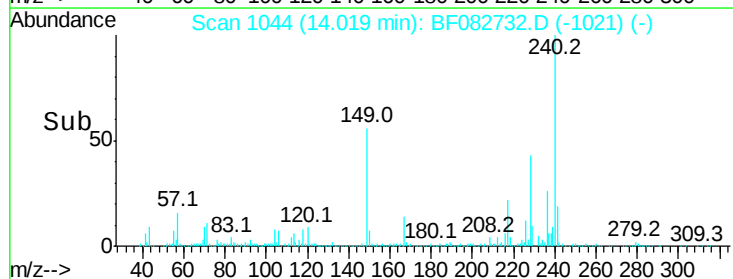
236 26.7 21.6 32.4

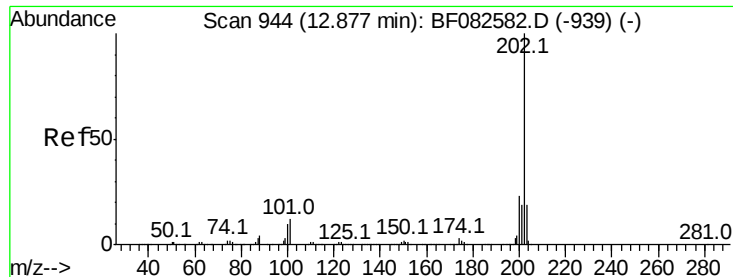


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 41.56 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.03 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

Instrument :

BNA_F

ClientSampleId :

DW-2

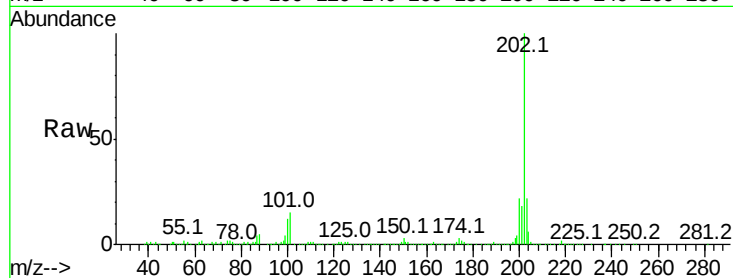
Tot Ion:202 Resp: 551360

Ion Ratio Lower Upper

202 100

200 22.3 18.7 28.1

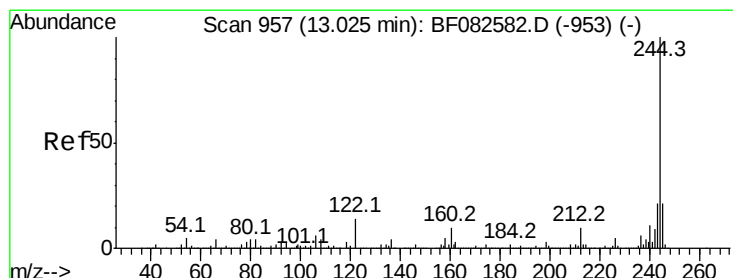
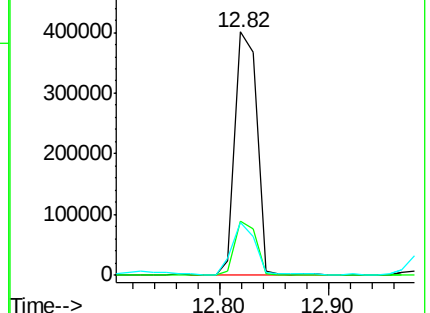
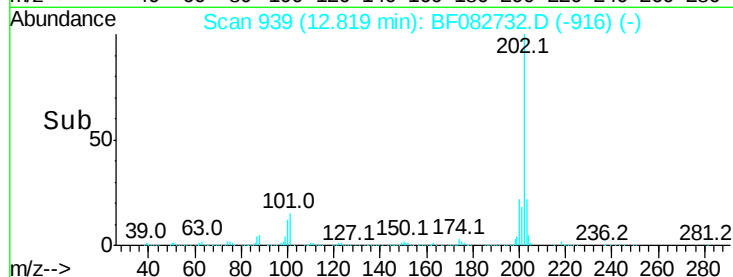
203 21.9 14.8 22.2



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: 92.34 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

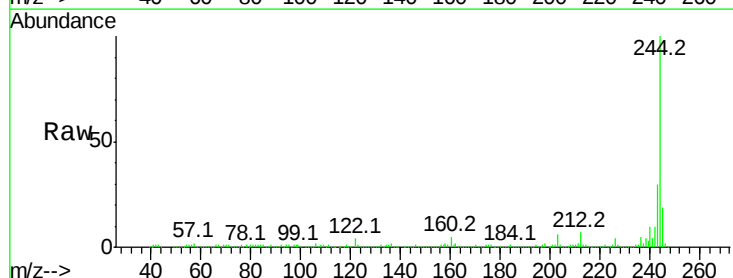
Tgt Ion:244 Resp: 755887

Ion Ratio Lower Upper

244 100

212 6.5 7.6 11.4#

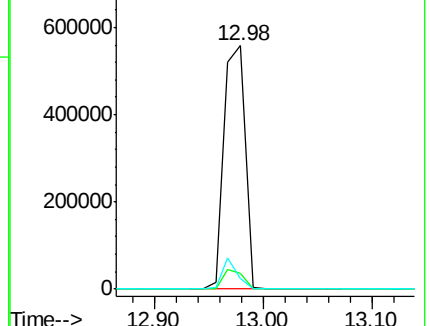
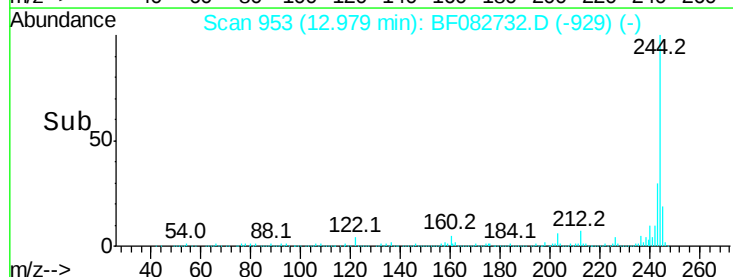
122 4.4 11.3 16.9#

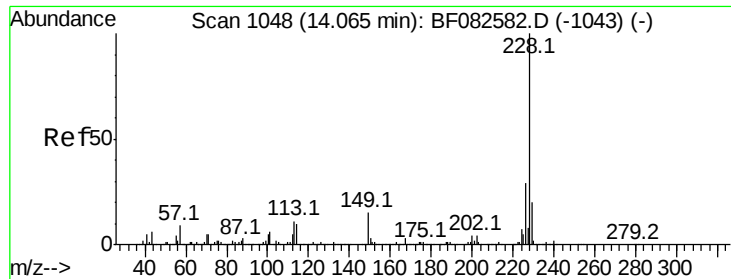


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.59 ng m

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

Instrument :

BNA_F

ClientSampleId :

DW-2

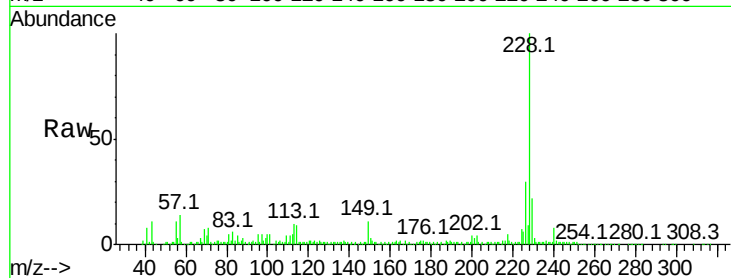
Tot Ion:228 Resp: 188773

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

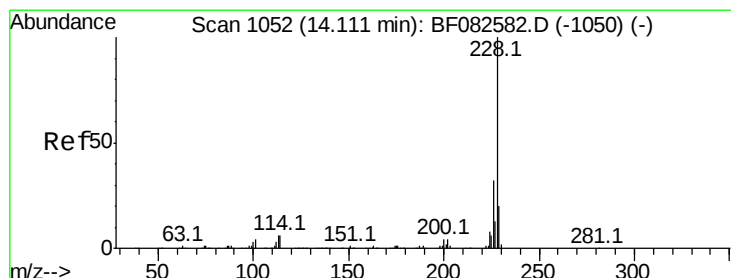
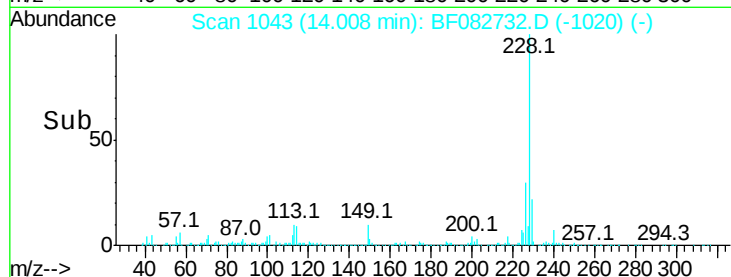
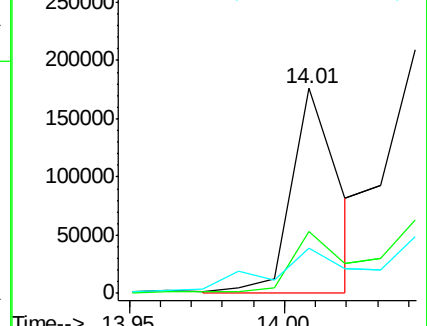
229 22.1 16.3 24.5



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: 29.70 ng m

RT: 14.04 min Scan# 1046

Delta R.T. -0.05 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

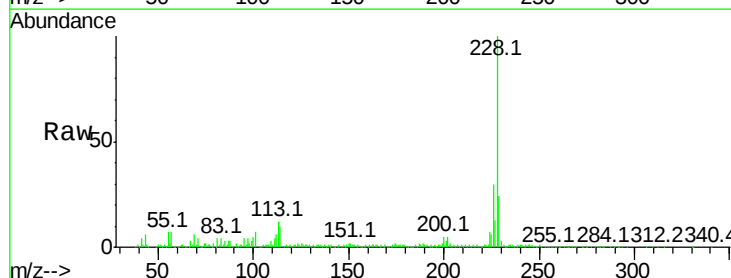
Tgt Ion:228 Resp: 306314

Ion Ratio Lower Upper

228 100

226 30.0 25.5 38.3

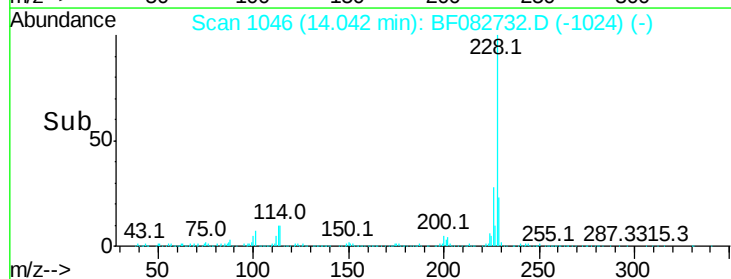
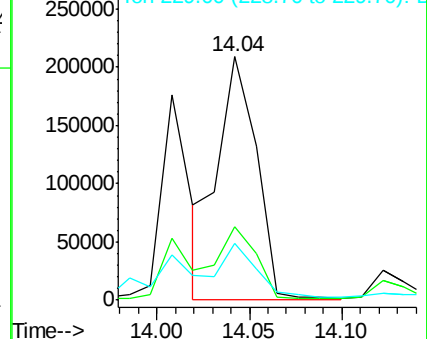
229 23.5 16.3 24.5

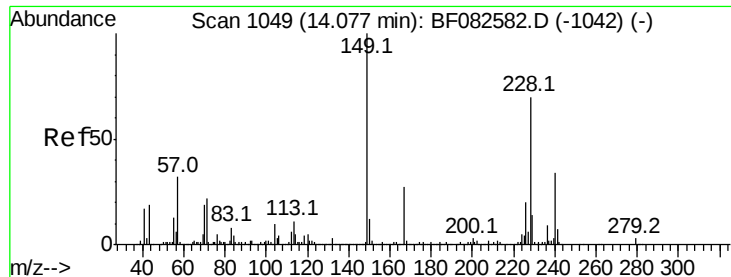


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 12.16 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF082732.D

Acq: 5 Nov 2015 16:35

Instrument :

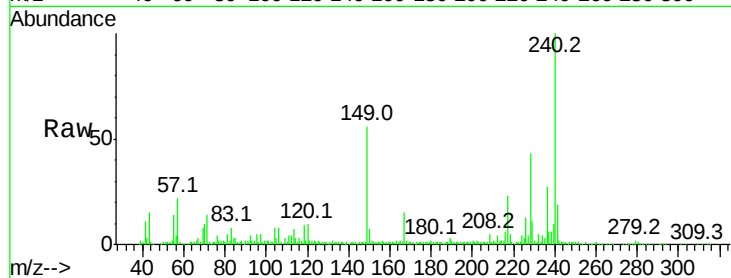
BNA_F

ClientSampleId :

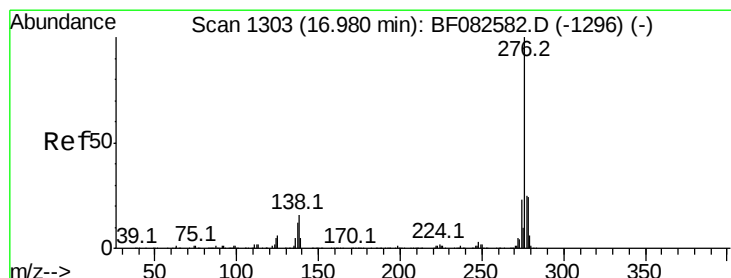
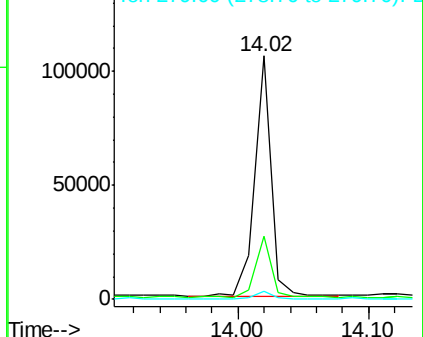
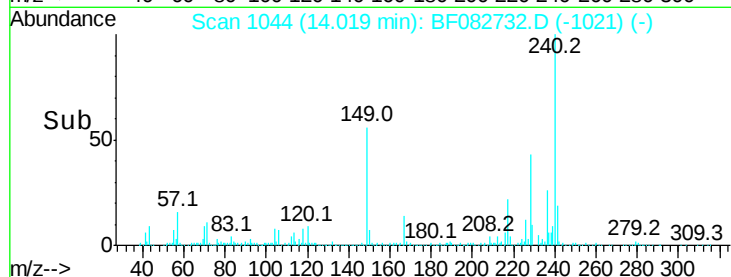
DW-2

Tot Ion:149 Resp: 91577

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.2	31.8
279	3.1	2.2	3.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 19.64 ng

RT: 16.87 min Scan# 1293

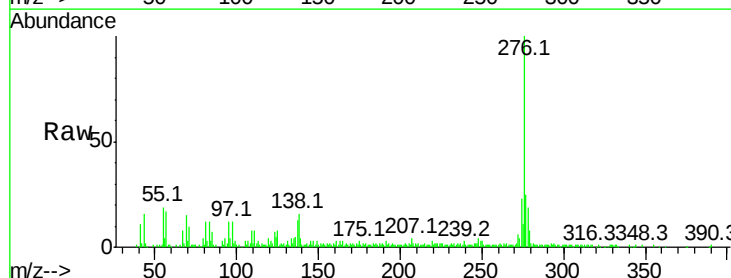
Delta R.T. -0.07 min

Lab File: BF082732.D

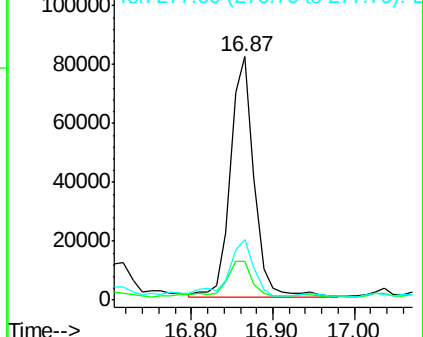
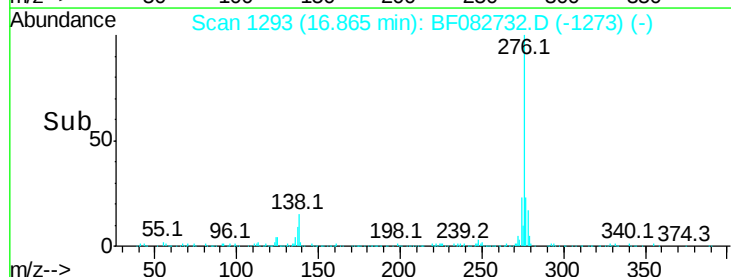
Acq: 5 Nov 2015 16:35

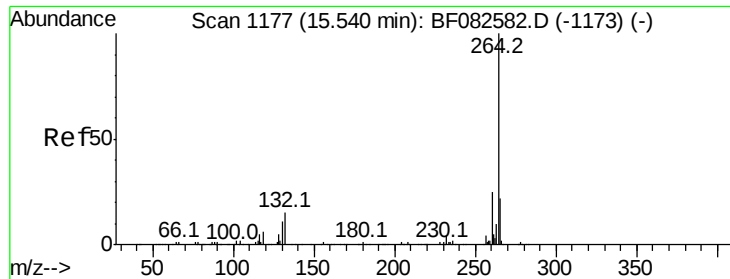
Tgt Ion:276 Resp: 167198

Ion	Ratio	Lower	Upper
276	100		
138	16.6	15.3	22.9
277	26.0	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

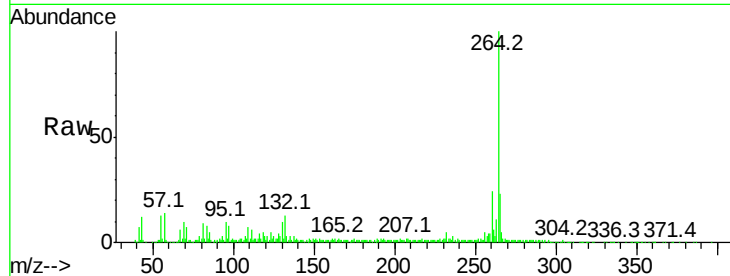




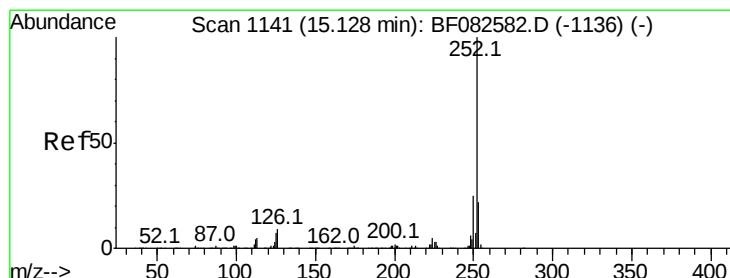
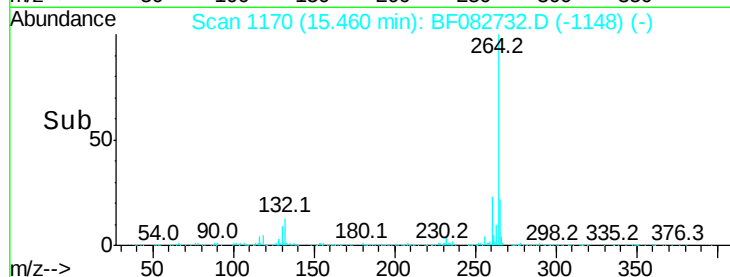
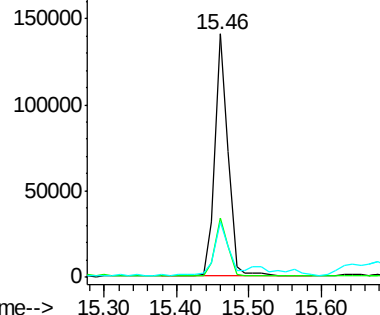
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Instrument :
BNA_F
ClientSampleId :
DW-2

Tot Ion:264 Resp: 178294
Ion Ratio Lower Upper
264 100
260 24.4 19.8 29.6
265 22.8 17.4 26.0

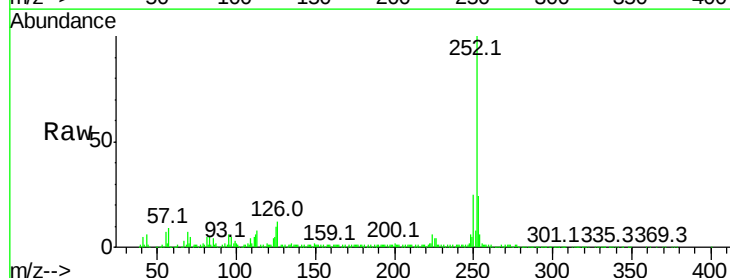


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

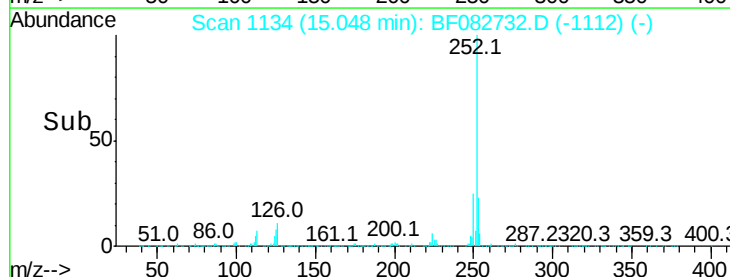
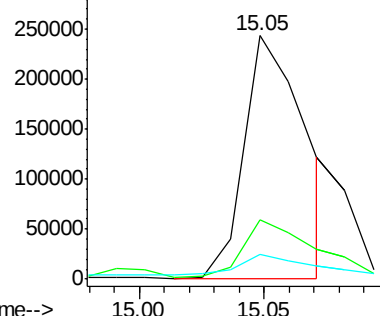


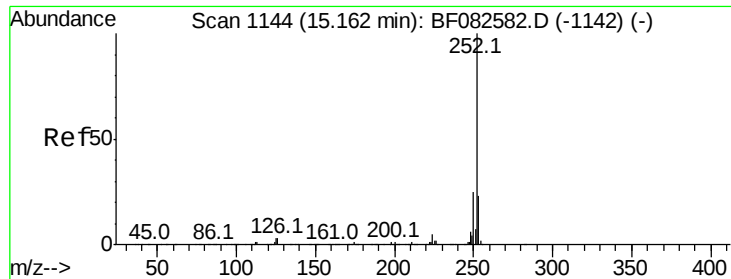
#87
Benzo(b)fluoranthene
Concen: 33.76 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.05 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Tgt Ion:252 Resp: 415038
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 10.1 5.4 8.2#



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

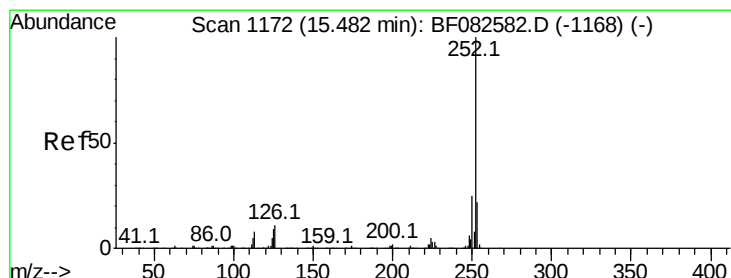
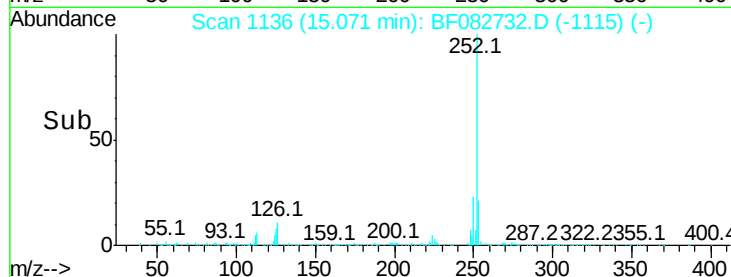
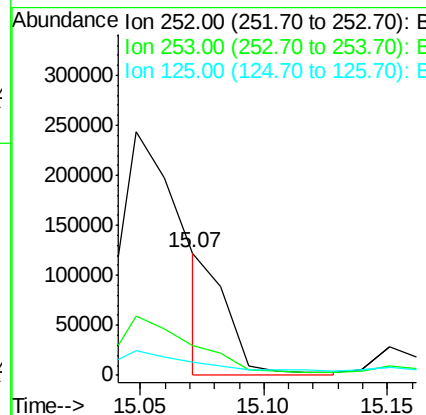
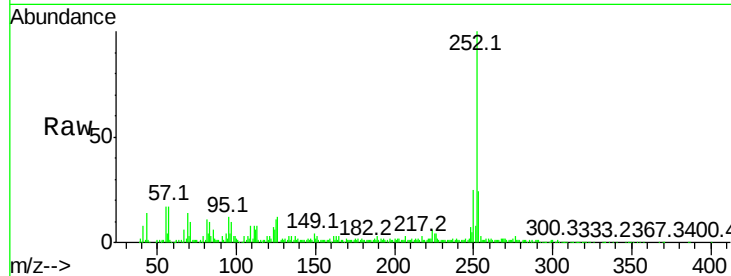




#88
Benzo(k)fluoranthene
Concen: 7.90 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.06 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

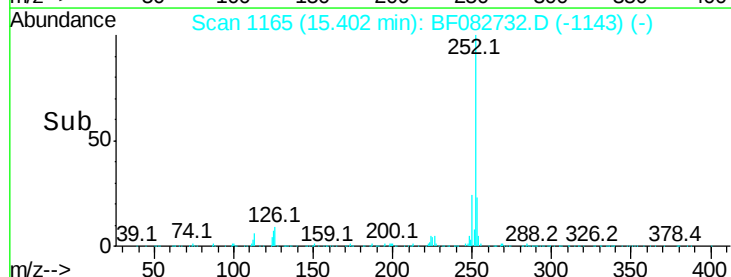
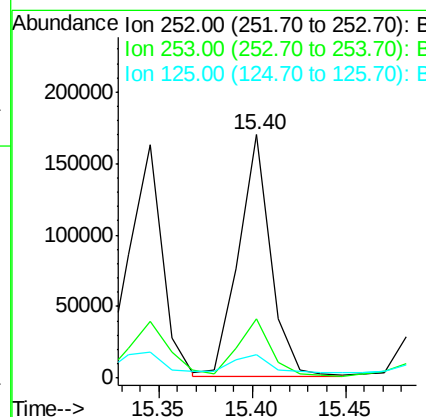
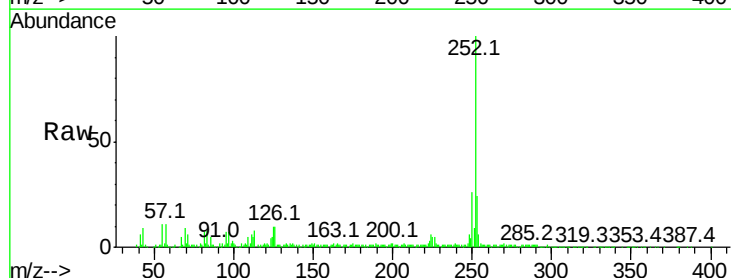
Instrument :
BNA_F
ClientSampleId :
DW-2

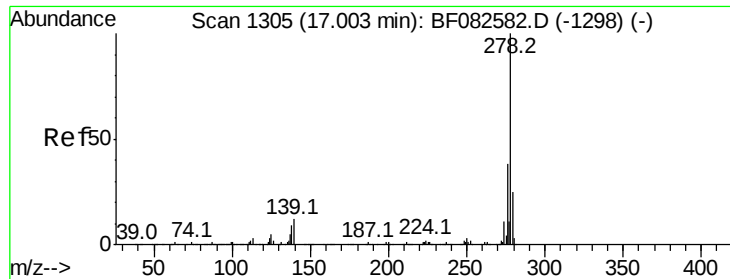
Tot Ion:252 Resp: 74021
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 11.3 3.5 5.3#



#89
Benzo(a)pyrene
Concen: 20.81 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Tgt Ion:252 Resp: 201476
Ion Ratio Lower Upper
252 100
253 24.3 17.3 25.9
125 9.9 7.1 10.7



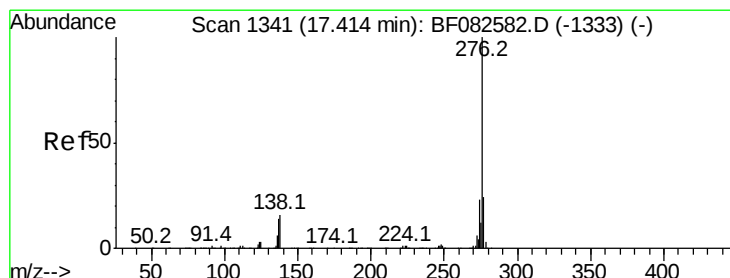
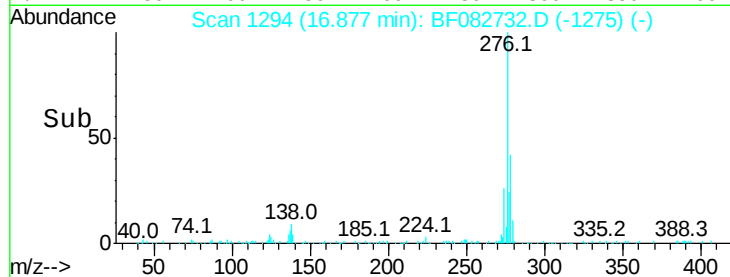
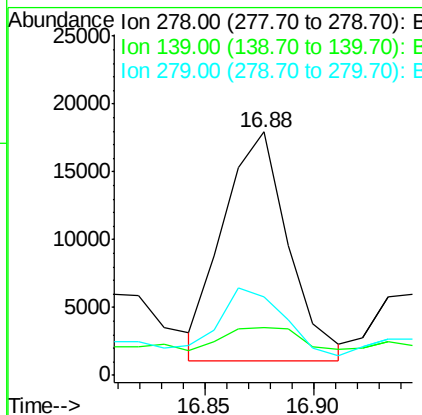
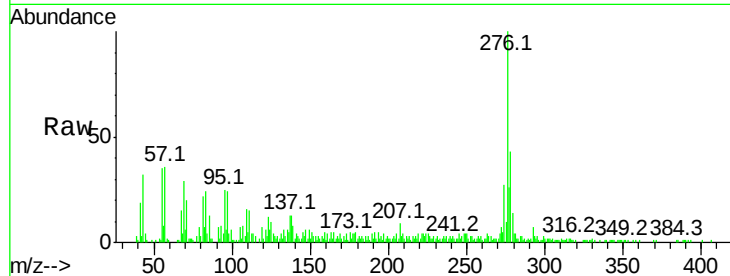


#90
Dibenzo(a,h)anthracene
Concen: 3.89 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.08 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Instrument :
BNA_F
ClientSampleId :
DW-2

Tot Ion:278 Resp: 35138

Ion	Ratio	Lower	Upper
278	100		
139	19.5	9.9	14.9#
279	32.2	19.6	29.4#



#91
Benzo(g,h,i)perylene
Concen: 17.68 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.07 min
Lab File: BF082732.D
Acq: 5 Nov 2015 16:35

Tgt Ion:276 Resp: 154830

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	13.4	13.1	19.7

