

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082115\
 Data File : BF081148.D
 Acq On : 21 Aug 2015 16:37
 Operator : UM/IZ
 Sample : G3319-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

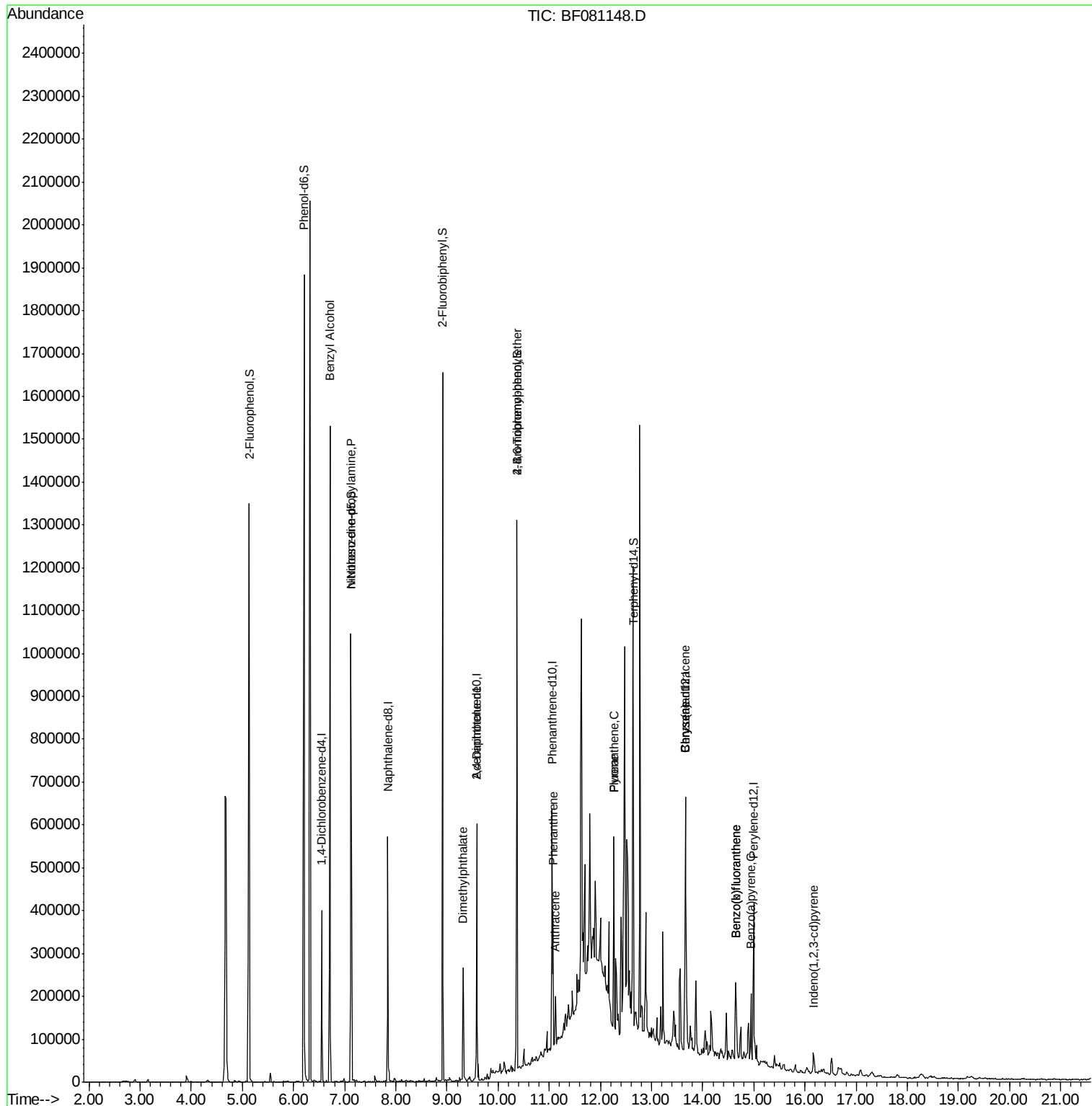
Quant Time: Aug 21 17:01:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	56374	20.00	ng	-0.03
21) Naphthalene-d8	7.84	136	243339	20.00	ng	-0.03
38) Acenaphthene-d10	9.58	164	107976	20.00	ng	-0.05
63) Phenanthrene-d10	11.05	188	230662	20.00	ng	-0.03
75) Chrysene-d12	13.66	240	185957	20.00	ng	-0.05
86) Perylene-d12	15.00	264	150824	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	541585	144.50	ng	-0.01
7) Phenol-d6	6.21	99	676915	138.42	ng	-0.02
23) Nitrobenzene-d5	7.12	82	421031	79.04	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	127594	136.32	ng	-0.03
44) 2-Fluorobiphenyl	8.92	172	465474	56.48	ng	-0.05
78) Terphenyl-d14	12.64	244	437118	50.39	ng	-0.03
Target Compounds						Qvalue
15) Benzyl Alcohol	6.71	79	8544	2.16	ng	# 60
19) n-Nitroso-di-n-propylamine	7.12	70	55746	16.46	ng	# 70
49) Dimethylphthalate	9.32	163	87919	9.89	ng	100
56) 2,4-Dinitrotoluene	9.58	165	13865	5.48	ng	# 17
66) 4-Bromophenyl-phenylether	10.37	248	10307	4.55	ng	# 1
70) Phenanthrene	11.08	178	140523	10.28	ng	98
71) Anthracene	11.12	178	40241	3.03	ng	98
74) Fluoranthene	12.27	202	236832	16.06	ng	98
77) Pyrene	12.27	202	236832	15.67	ng	98
80) Benzo(a)anthracene	13.66	228	94599	7.59	ng	99
82) Chrysene	13.66	228	94599	8.42	ng	98
85) Indeno(1,2,3-cd)pyrene	16.16	276	29489	3.74	ng	# 89
87) Benzo(b)fluoranthene	14.64	252	109201	10.24	ng	# 95
88) Benzo(k)fluoranthene	14.64	252	109201	10.99	ng	98
89) Benzo(a)pyrene	14.94	252	61831	6.65	ng	# 94

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082115\  
Data File : BF081148.D  
Acq On    : 21 Aug 2015  16:37  
Operator  : UM/IZ  
Sample    : G3319-02  
Misc      :  
ALS Vial  : 5      Sample Multiplier: 1
```

Quant Time: Aug 21 17:01:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 20 11:22:13 2015
Response via : Initial Calibration



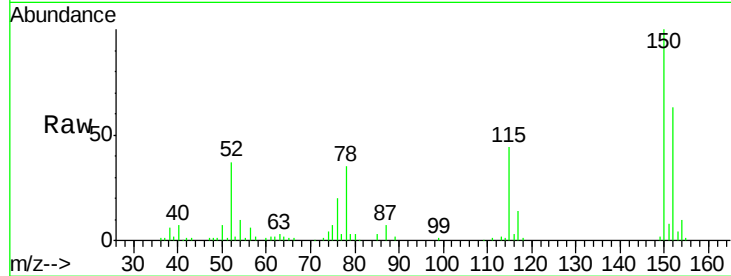


#1

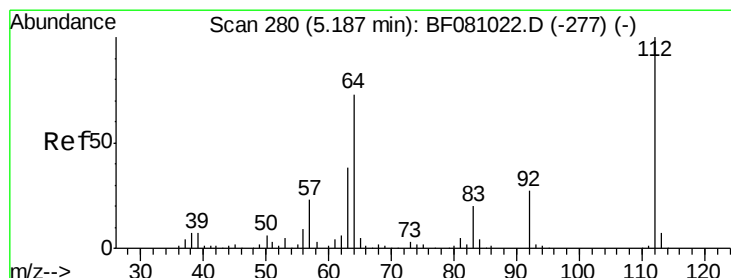
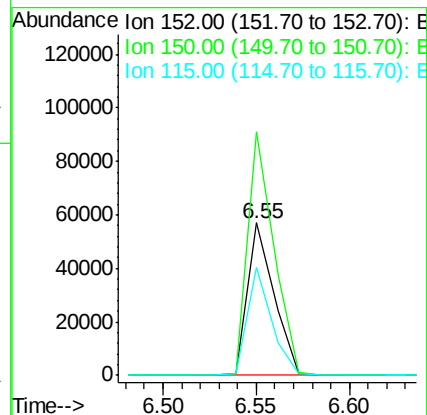
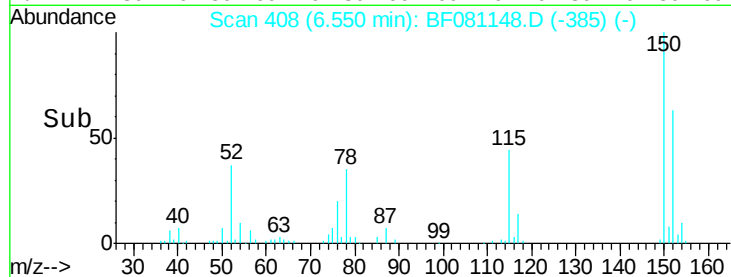
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 56374
Ion Ratio Lower Upper
152 100
150 160.0 123.8 185.6
115 70.8 52.1 78.1



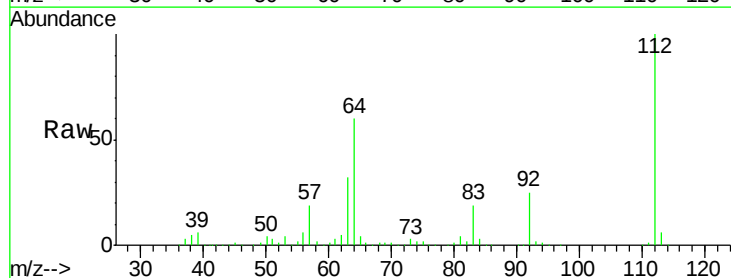
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



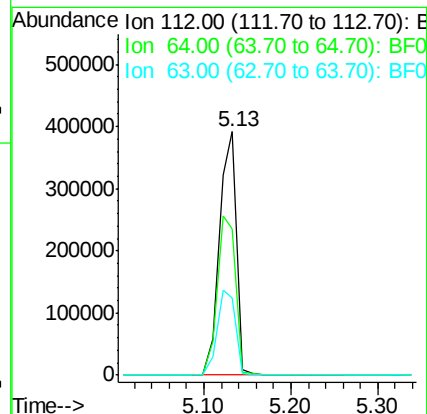
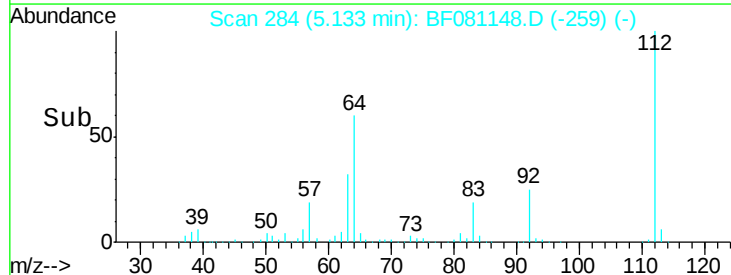
#5

2-Fluorophenol
Concen: 144.50 ng
RT: 5.13 min Scan# 284
Delta R.T. -0.01 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Tgt Ion:112 Resp: 541585
Ion Ratio Lower Upper
112 100
64 60.1 66.9 100.3#
63 31.6 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: 138.42 ng

RT: 6.21 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

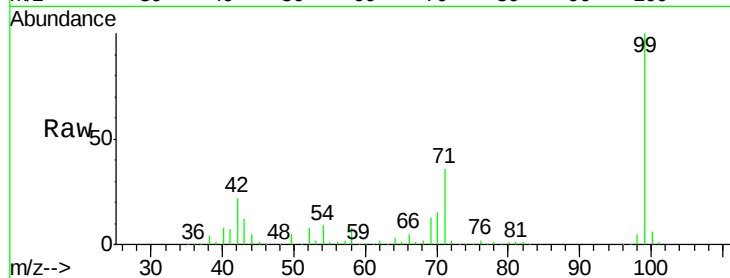
Tot Ion: 99 Resp: 676915

Ion Ratio Lower Upper

99 100

42 22.3 19.6 29.4

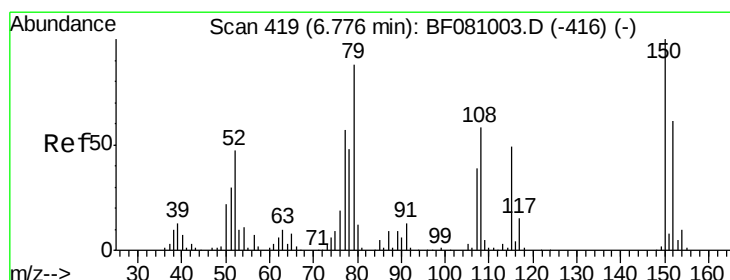
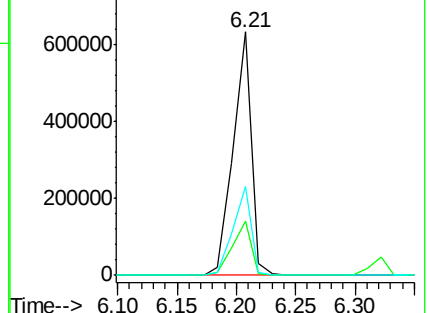
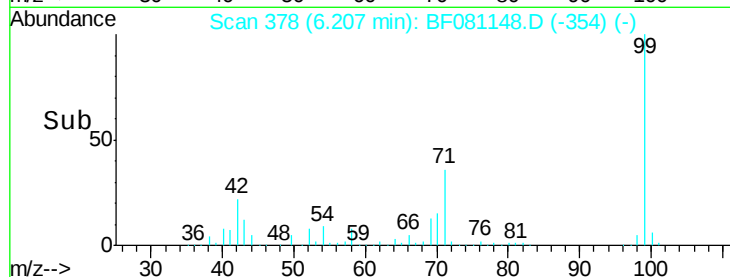
71 36.3 31.2 46.8



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



#15

Benzyl Alcohol

Concen: 2.16 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.03 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

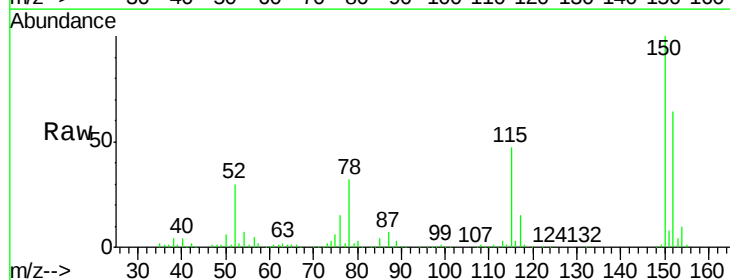
Tgt Ion: 79 Resp: 8544

Ion Ratio Lower Upper

79 100

108 31.7 49.4 74.2#

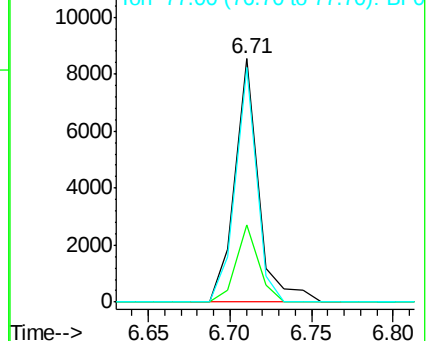
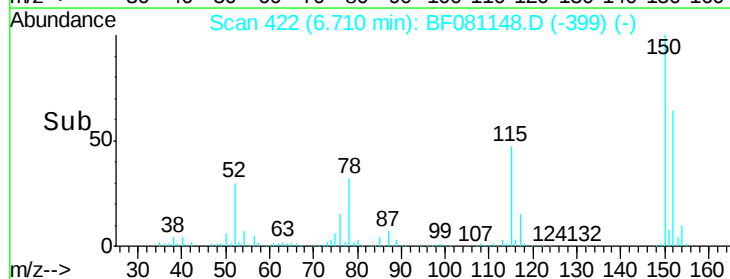
77 96.3 51.4 77.0#

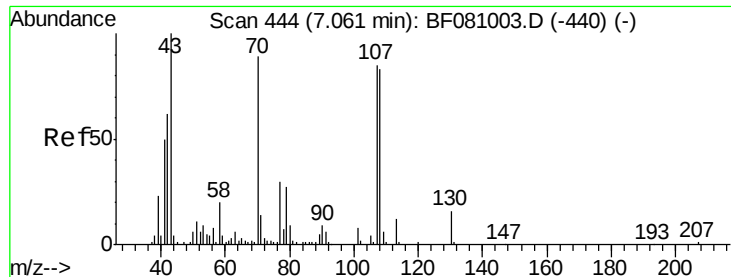


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

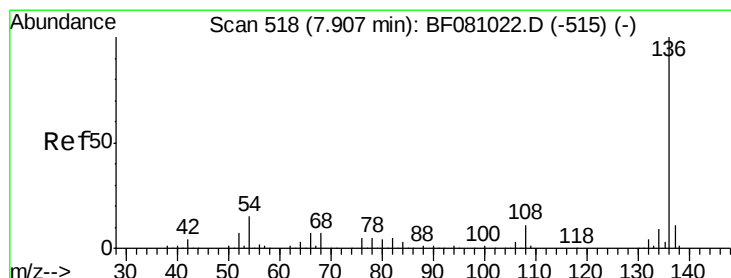
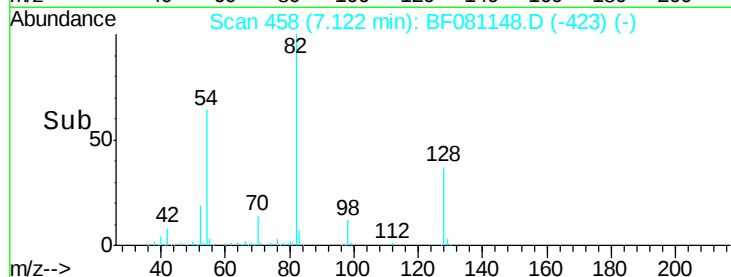
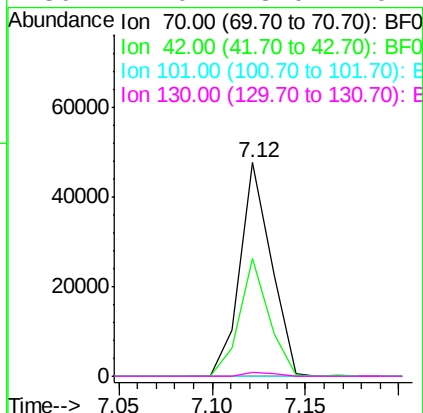
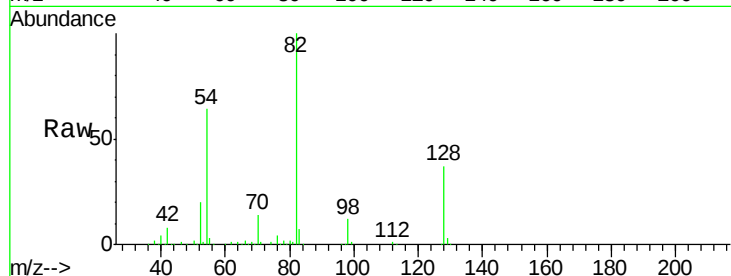




#19
n-Nitroso-di-n-propylamine
Concen: 16.46 ng
RT: 7.12 min Scan# 458
Delta R.T. 0.10 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

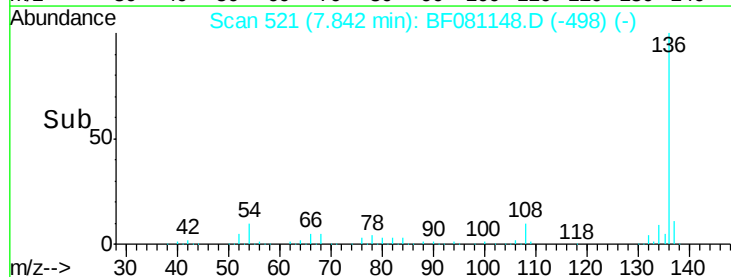
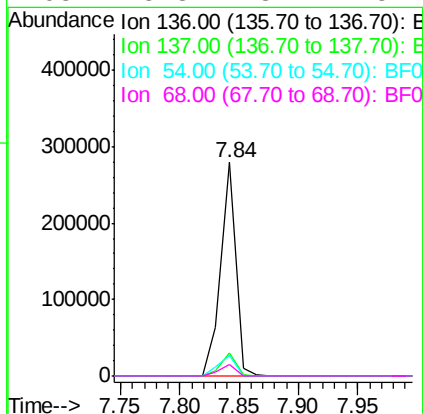
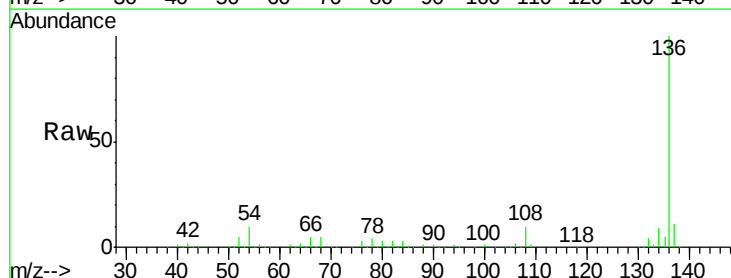
Instrument :
BNA_F
ClientSampleId :

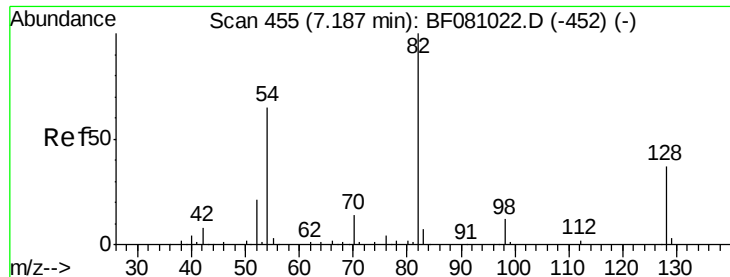
Tot Ion: 70 Resp: 55746
Ion Ratio Lower Upper
70 100
42 54.9 65.0 97.4#
101 0.0 7.4 11.2#
130 2.0 13.0 19.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Tgt Ion: 136 Resp: 243339
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.2
54 9.9 7.7 11.5
68 5.3 3.4 5.2#

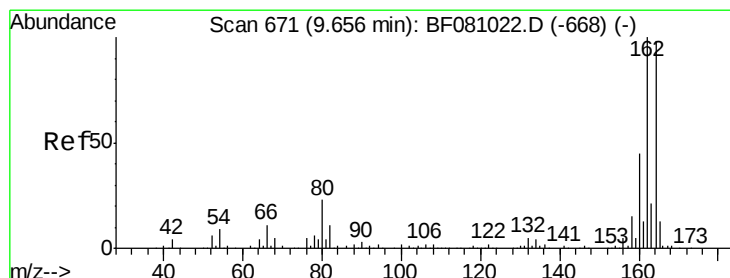
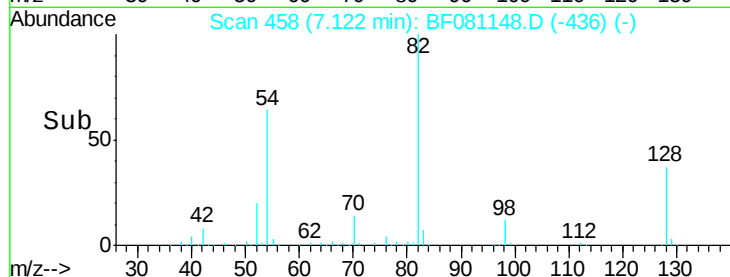
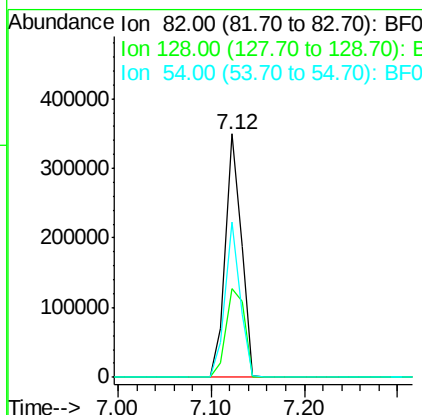
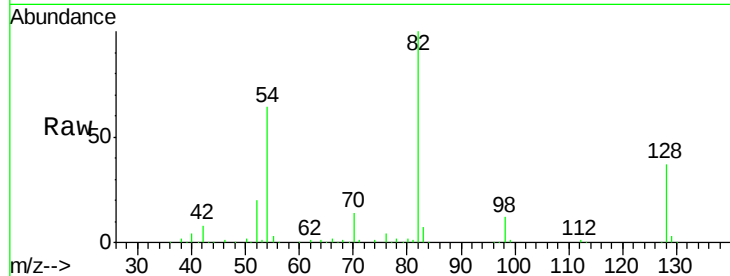




#23
 Nitrobenzene-d5
 Concen: 79.04 ng
 RT: 7.12 min Scan# 458
 Delta R.T. -0.05 min
 Lab File: BF081148.D
 Acq: 21 Aug 2015 16:37

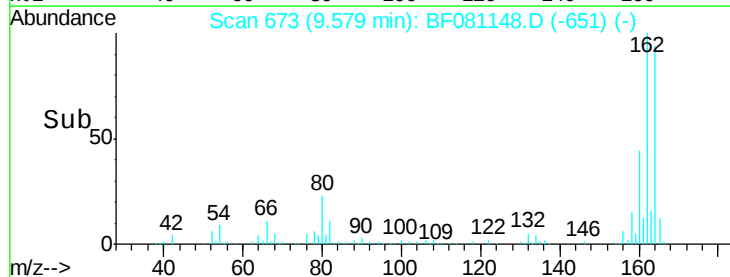
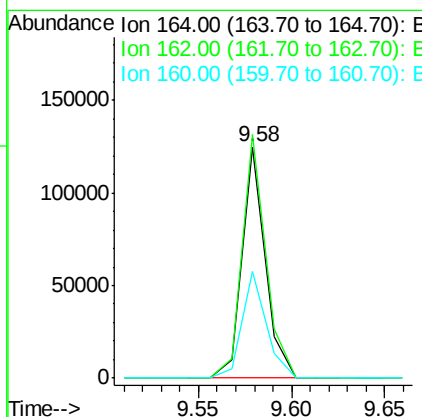
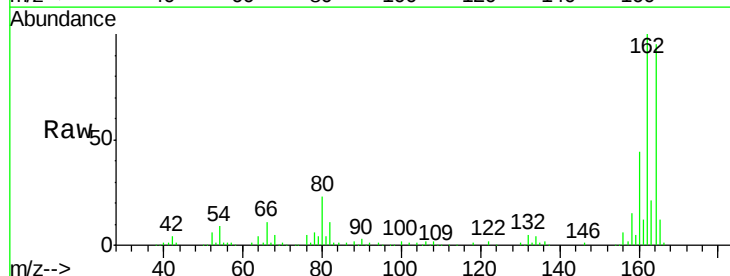
Instrument :
 BNA_F
 ClientSampleId :

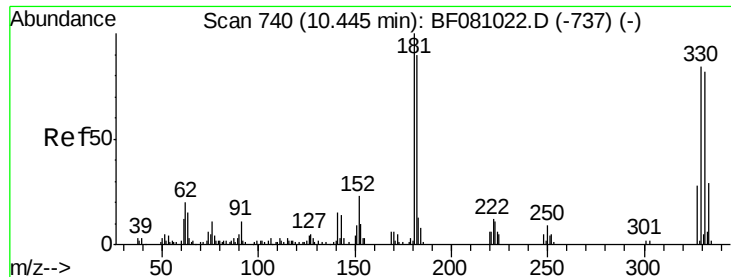
Tot Ion	82	Resp	421031
Ion Ratio	Lower	Upper	
82	100		
128	36.6	28.6	42.8
54	63.9	55.1	82.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF081148.D
 Acq: 21 Aug 2015 16:37

Tgt Ion	164	Resp	107976
Ion Ratio	Lower	Upper	
164	100		
162	105.4	83.8	125.8
160	46.2	39.8	59.8

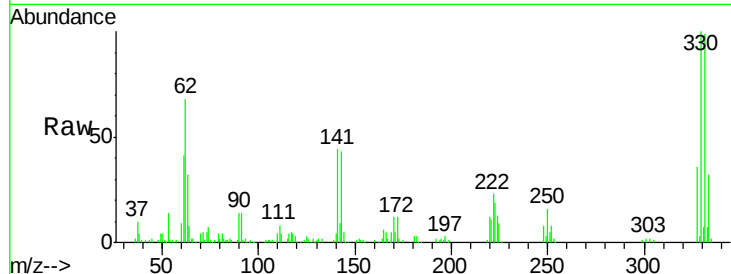




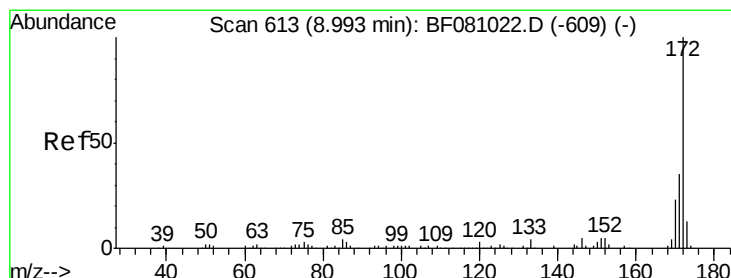
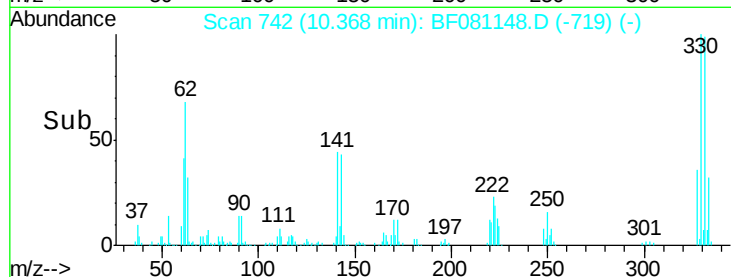
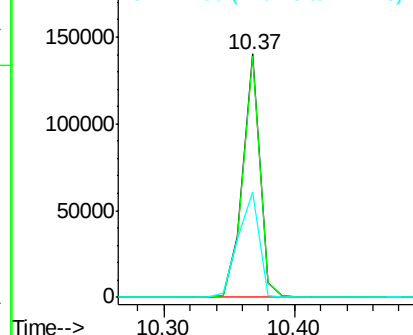
#41
 2,4,6-Tribromophenol
 Concen: 136.32 ng
 RT: 10.37 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF081148.D
 Acq: 21 Aug 2015 16:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.3	115.9
141	53.2	44.9	67.3

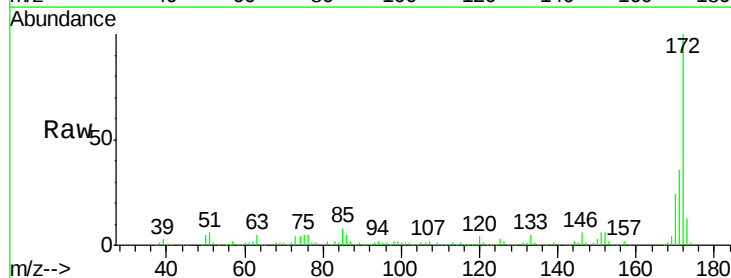


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

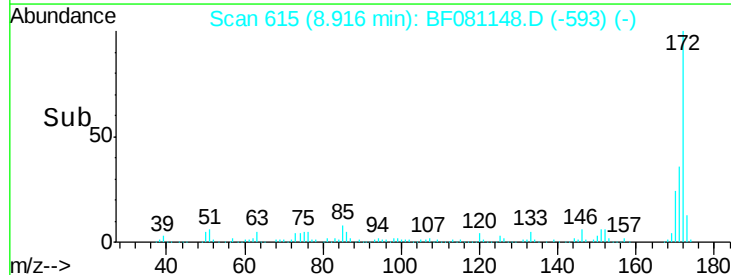
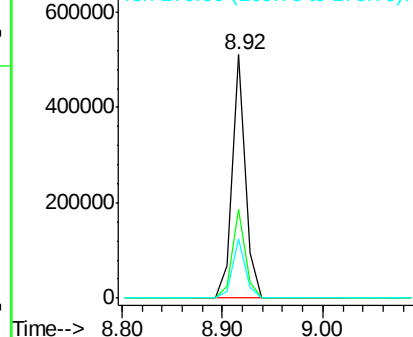


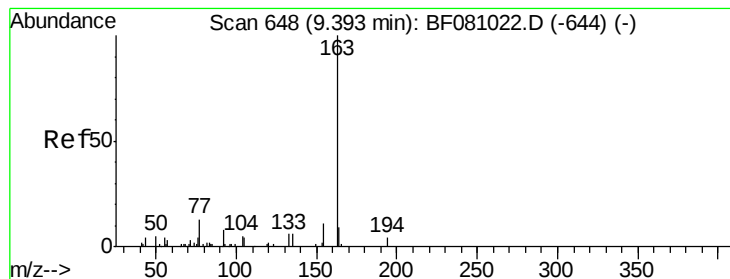
#44
 2-Fluorobiphenyl
 Concen: 56.48 ng
 RT: 8.92 min Scan# 615
 Delta R.T. -0.05 min
 Lab File: BF081148.D
 Acq: 21 Aug 2015 16:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	24.5	19.4	29.2



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: 9.89 ng

RT: 9.32 min Scan# 650

Delta R.T. -0.05 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

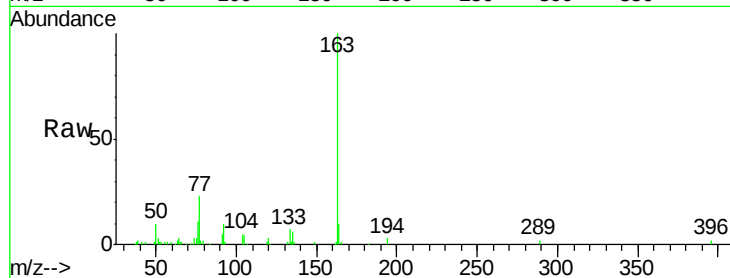
Tot Ion:163 Resp: 87919

Ion Ratio Lower Upper

163 100

194 3.1 2.5 3.7

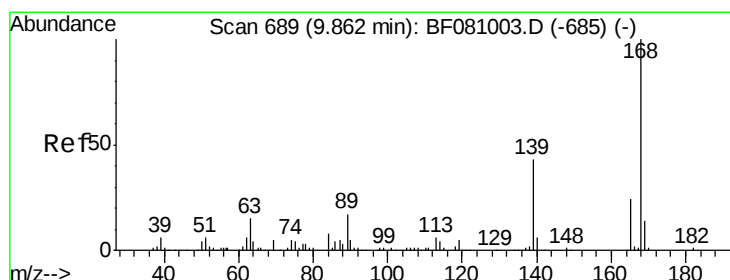
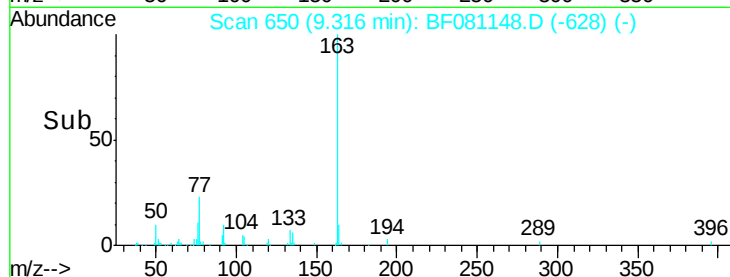
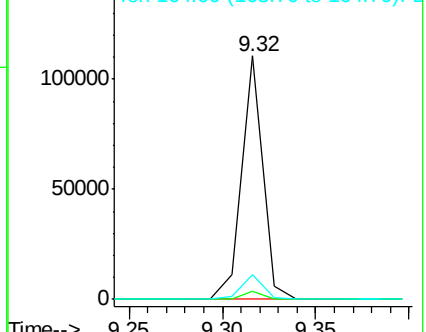
164 10.3 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.48 ng

RT: 9.58 min Scan# 673

Delta R.T. -0.24 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Tgt Ion:165 Resp: 13865

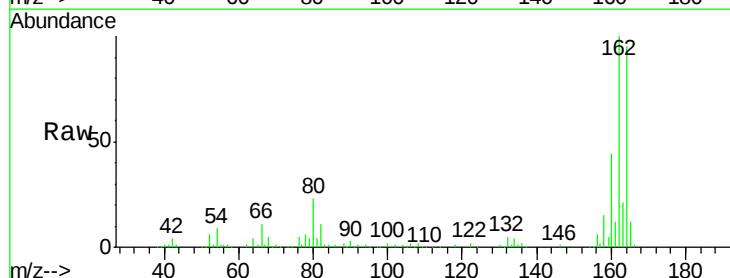
Ion Ratio Lower Upper

165 100

63 0.0 52.2 78.4#

89 1.9 60.1 90.1#

182 0.0 1.8 2.6#

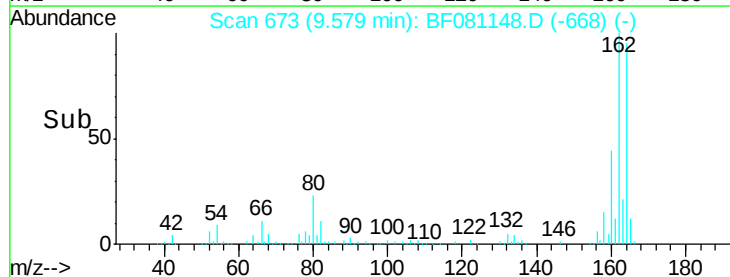
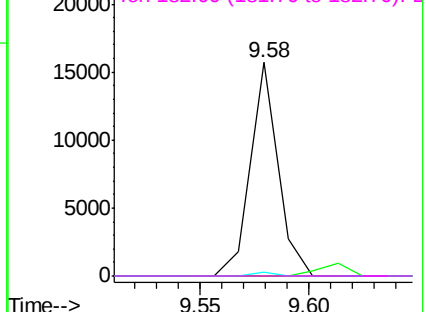


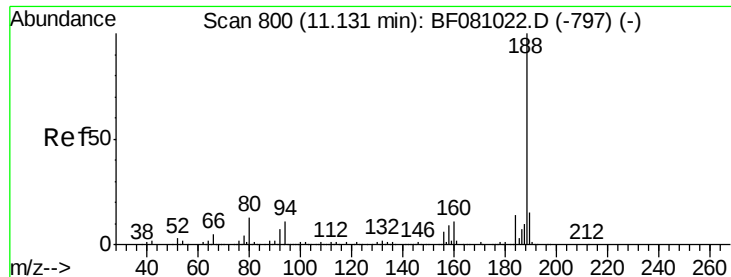
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.05 min Scan# 802

Delta R.T. -0.03 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

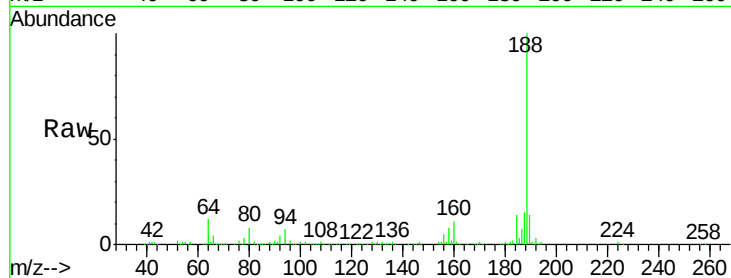
Tot Ion:188 Resp: 230662

Ion Ratio Lower Upper

188 100

94 7.5 8.2 12.2#

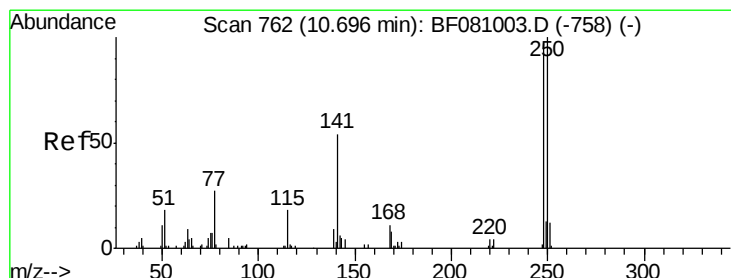
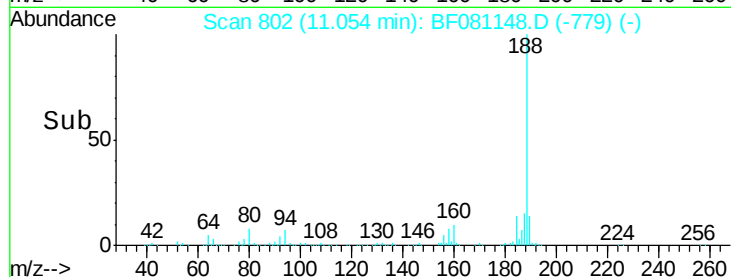
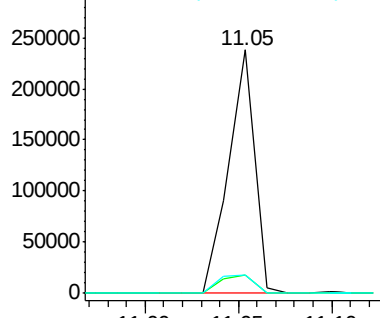
80 7.6 9.5 14.3#



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



#66

4-Bromophenyl-phenylether

Concen: 4.55 ng

RT: 10.37 min Scan# 742

Delta R.T. -0.29 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

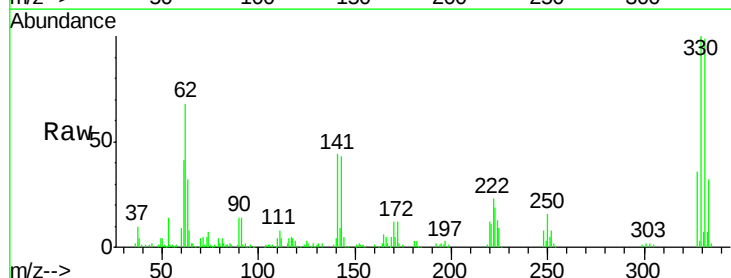
Tgt Ion:248 Resp: 10307

Ion Ratio Lower Upper

248 100

250 200.4 77.8 116.6#

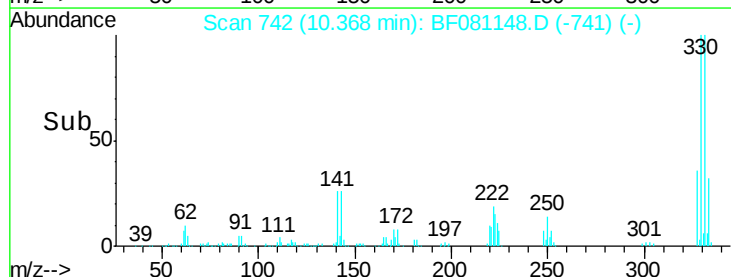
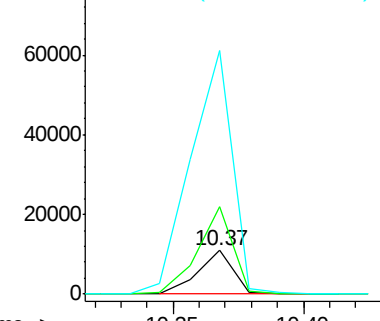
141 559.2 39.8 59.6#

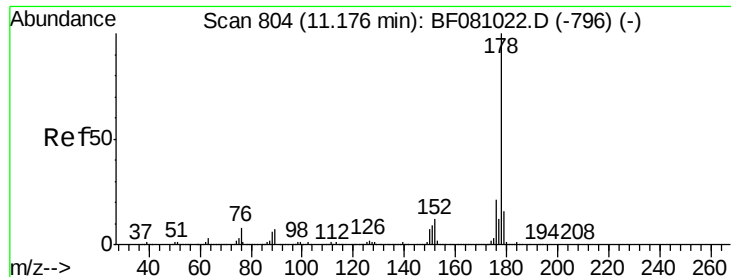


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

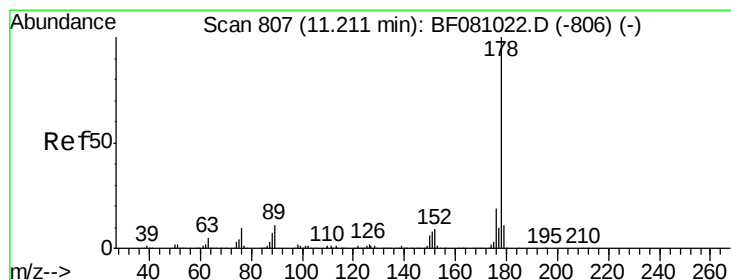
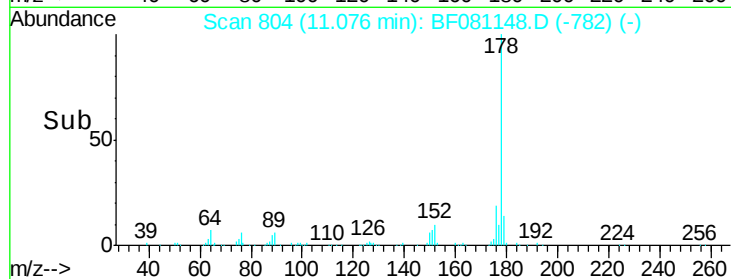
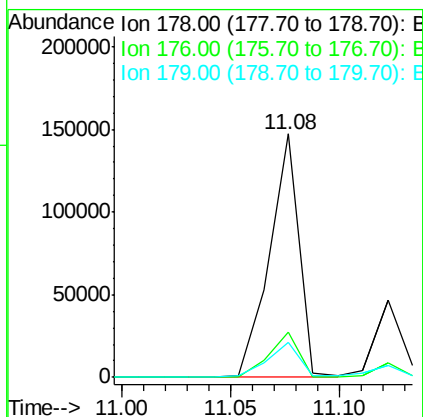
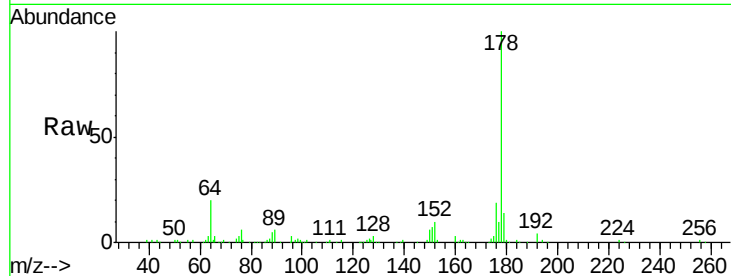




#70
Phenanthrene
Concen: 10.28 ng
RT: 11.08 min Scan# 804
Delta R.T. -0.05 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

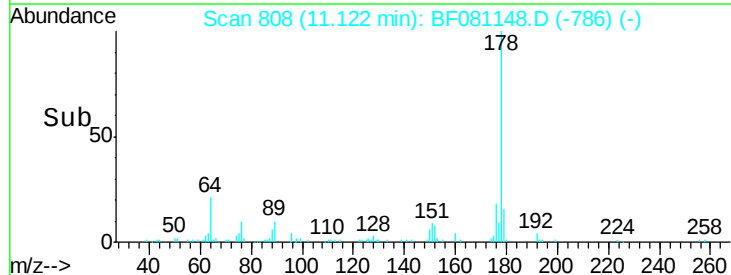
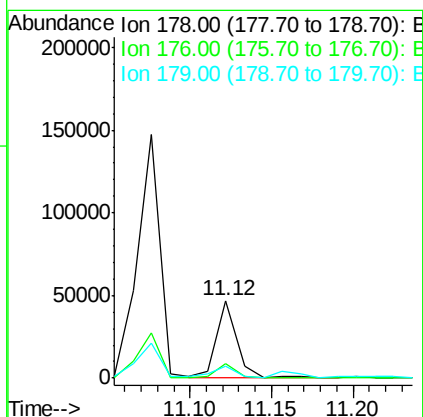
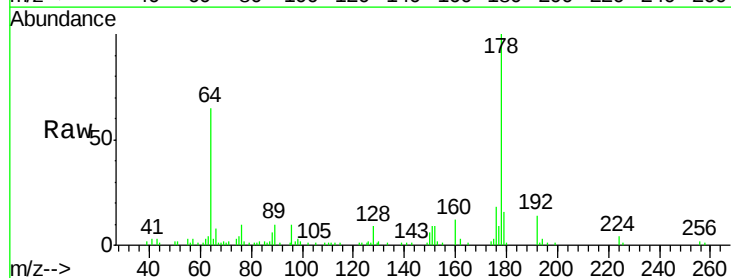
Instrument :
BNA_F
ClientSampleId :

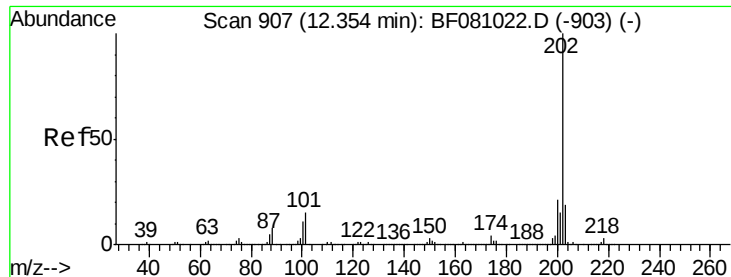
Tot Ion:178 Resp: 140523
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 14.3 12.2 18.2



#71
Anthracene
Concen: 3.03 ng
RT: 11.12 min Scan# 808
Delta R.T. -0.05 min
Lab File: BF081148.D
Acq: 21 Aug 2015 16:37

Tgt Ion:178 Resp: 40241
Ion Ratio Lower Upper
178 100
176 17.9 15.7 23.5
179 15.7 12.7 19.1





#74

Fluoranthene

Concen: 16.06 ng

RT: 12.27 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF081148.D

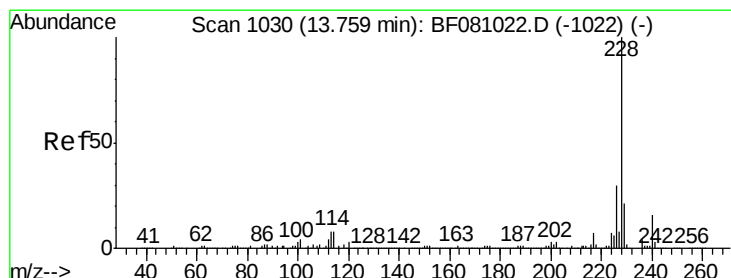
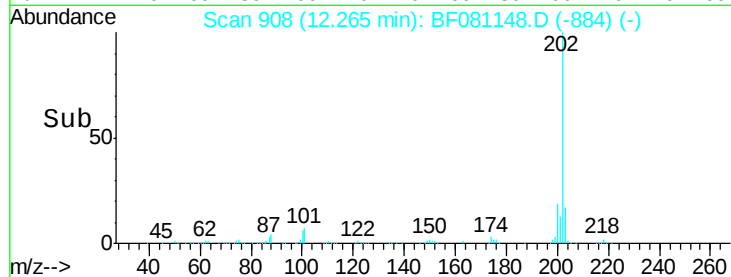
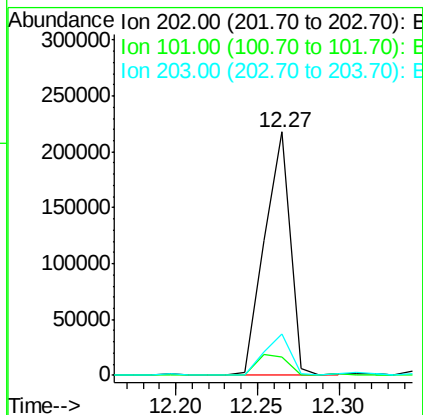
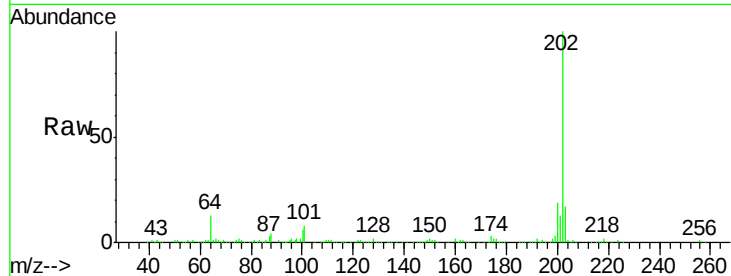
Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	236832
Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	24.8
203	16.9	0.0	36.9



#75

Chrysene-d12

Concen: 20.00 ng

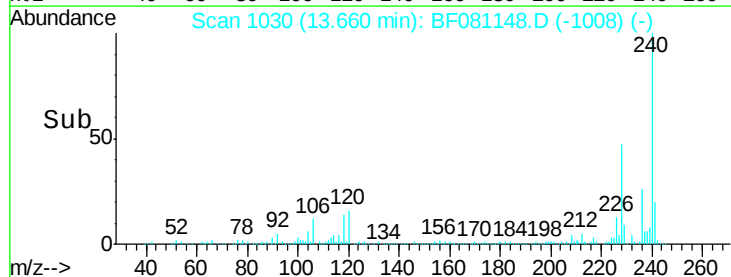
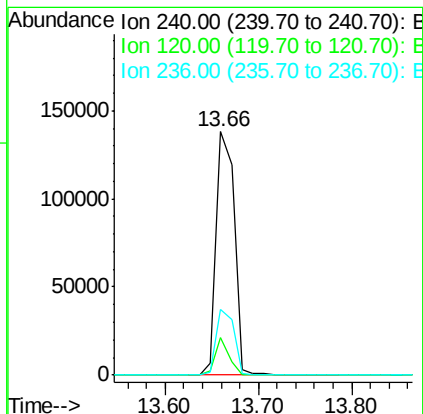
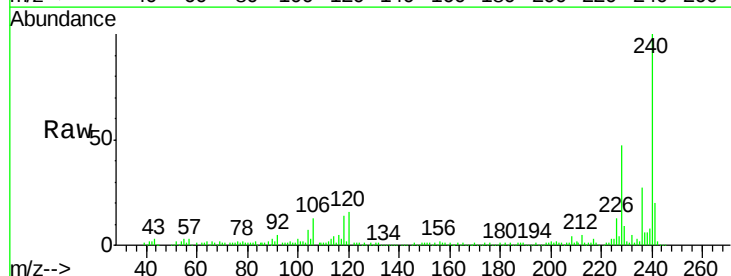
RT: 13.66 min Scan# 1030

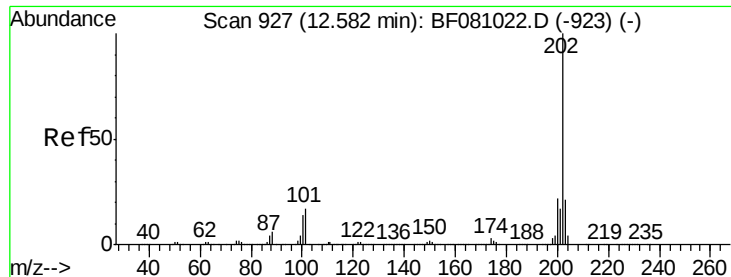
Delta R.T. -0.05 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Tgt Ion:	240	Resp:	185957
Ion	Ratio	Lower	Upper
240	100		
120	15.6	5.6	8.4#
236	26.7	20.6	30.8





#77

Pvrene

Concen: 15.67 ng

RT: 12.27 min Scan# 908

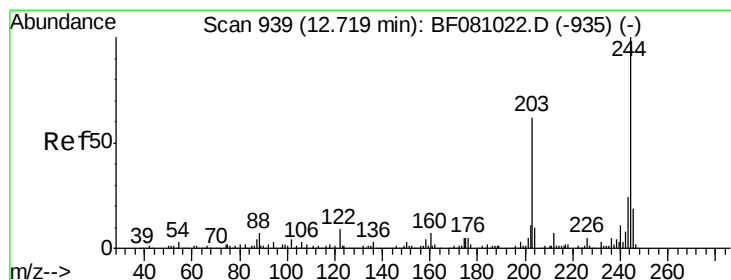
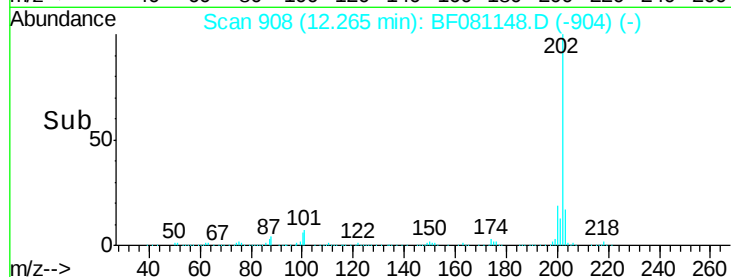
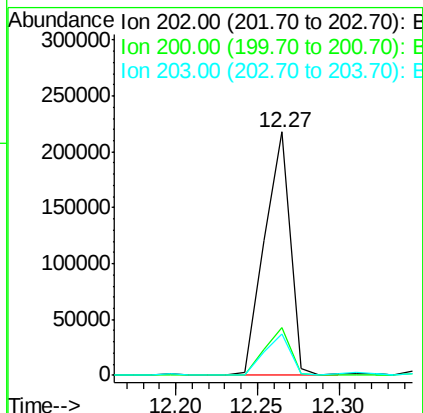
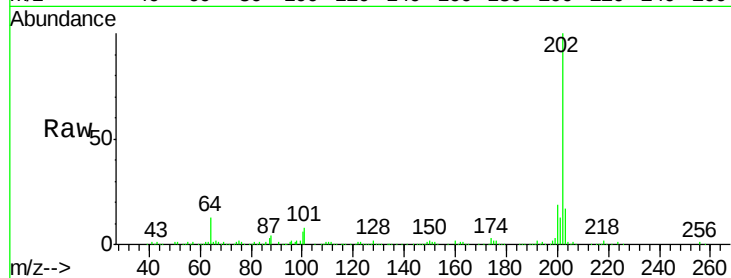
Delta R.T. -0.25 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	202	Resp:	236832
Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.6	24.8
203	16.9	14.1	21.1



#78

Terphenyl-d14

Concen: 50.39 ng

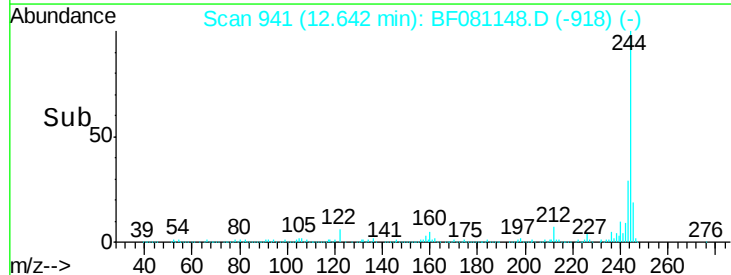
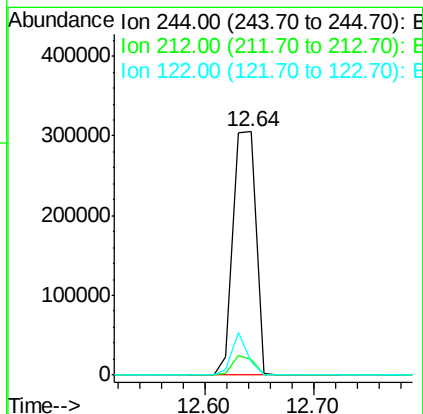
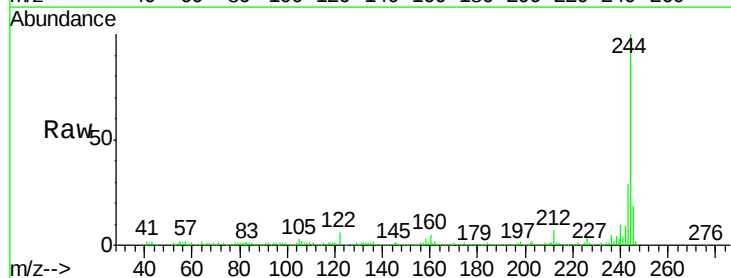
RT: 12.64 min Scan# 941

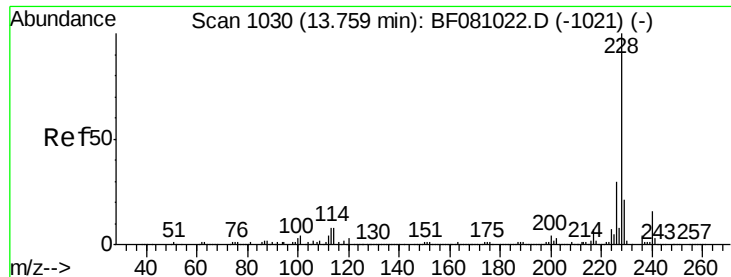
Delta R.T. -0.03 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Tgt Ion:	244	Resp:	437118
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	5.7	8.2	12.4#





#80

Benzo(a)anthracene

Concen: 7.59 ng

RT: 13.66 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

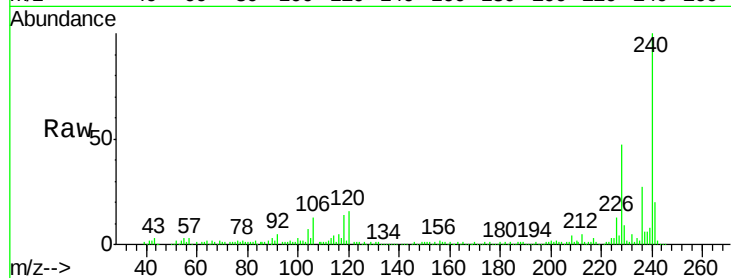
Tot Ion:228 Resp: 94599

Ion Ratio Lower Upper

228 100

226 28.5 22.3 33.5

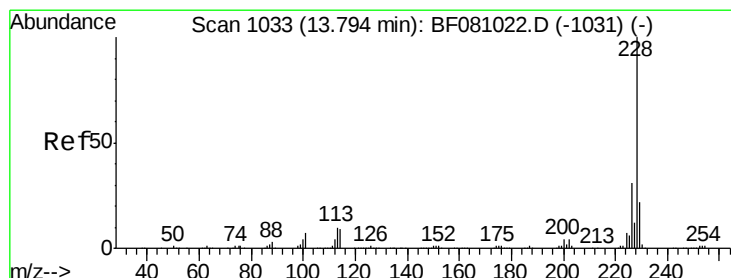
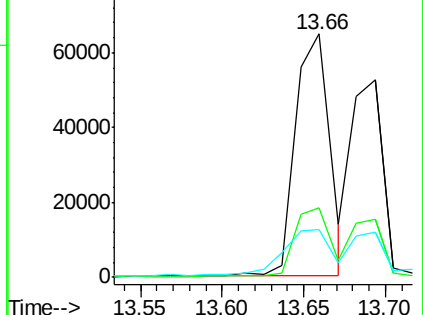
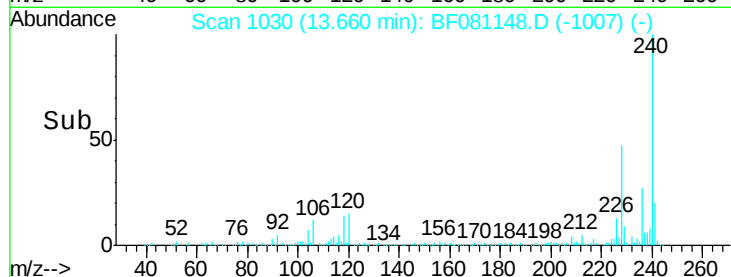
229 19.8 15.9 23.9



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: 8.42 ng

RT: 13.66 min Scan# 1030

Delta R.T. -0.08 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

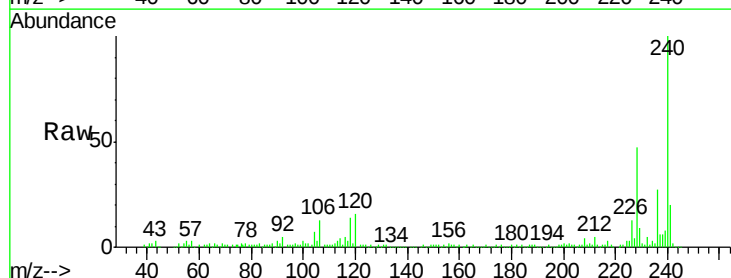
Tgt Ion:228 Resp: 94599

Ion Ratio Lower Upper

228 100

226 28.5 24.4 36.6

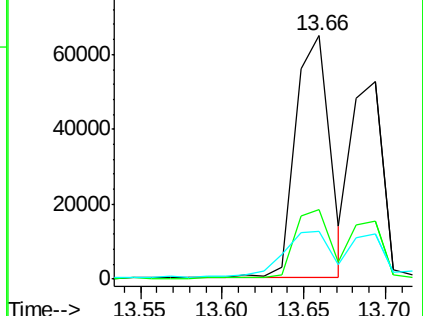
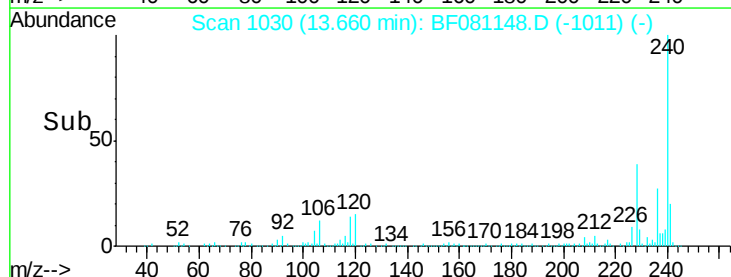
229 19.8 16.0 24.0

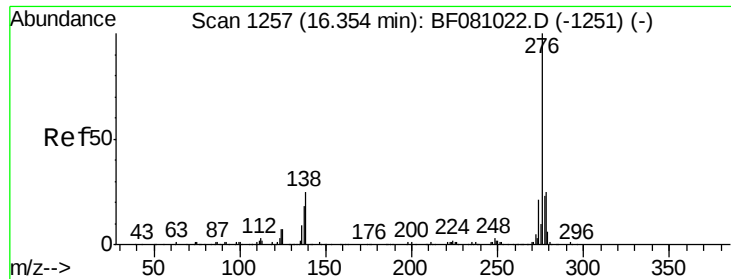


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.74 ng

RT: 16.16 min Scan# 1249

Delta R.T. -0.09 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

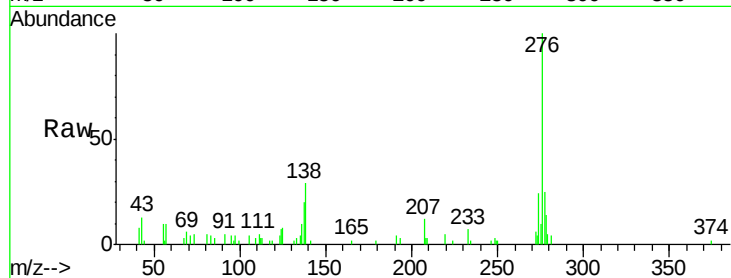
Tot Ion:276 Resp: 29489

Ion Ratio Lower Upper

276 100

138 29.8 18.6 28.0#

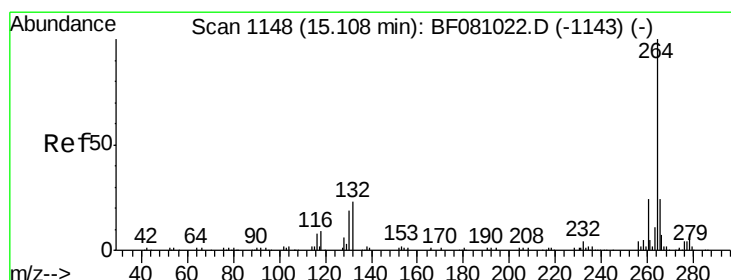
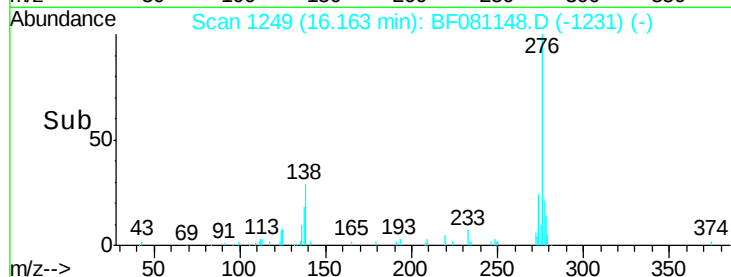
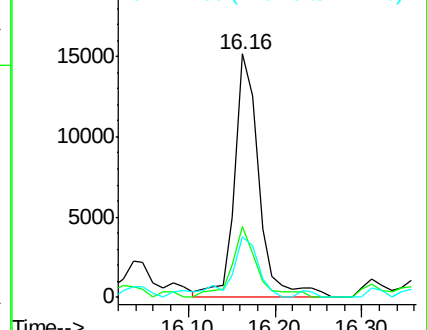
277 29.6 19.8 29.8



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

Perylene-d12

Concen: 20.00 ng

RT: 15.00 min Scan# 1147

Delta R.T. -0.05 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

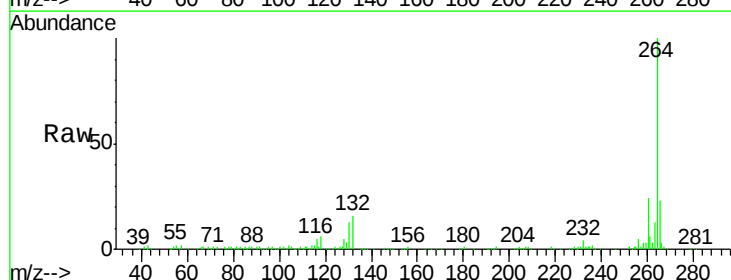
Tgt Ion:264 Resp: 150824

Ion Ratio Lower Upper

264 100

260 24.4 19.6 29.4

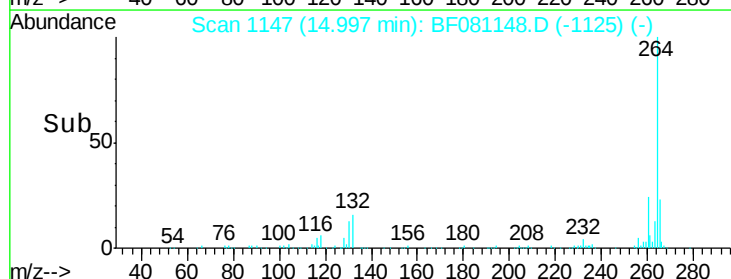
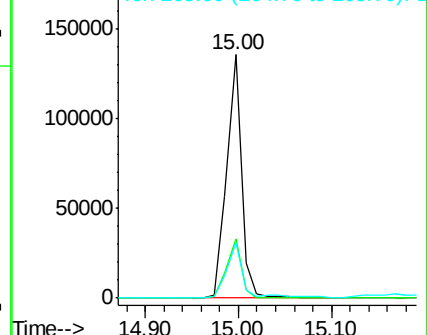
265 22.6 17.5 26.3

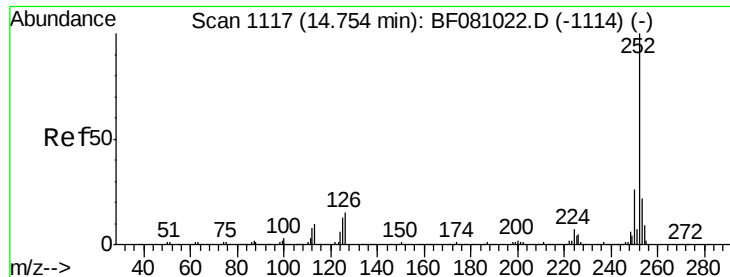


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.24 ng

RT: 14.64 min Scan# 1116

Delta R.T. -0.05 min

Lab File: BF081148.D

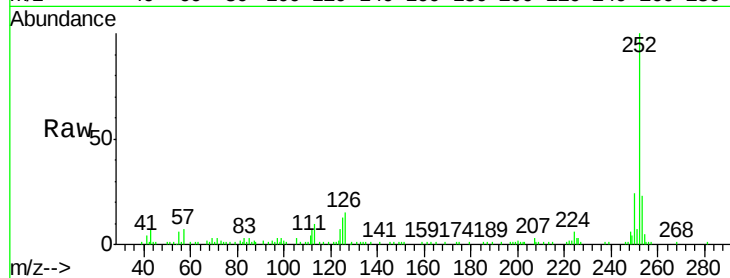
Acq: 21 Aug 2015 16:37

Instrument :

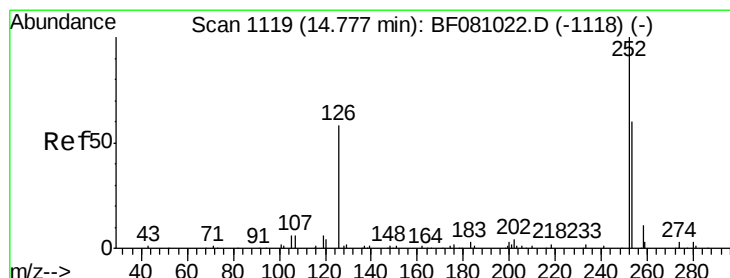
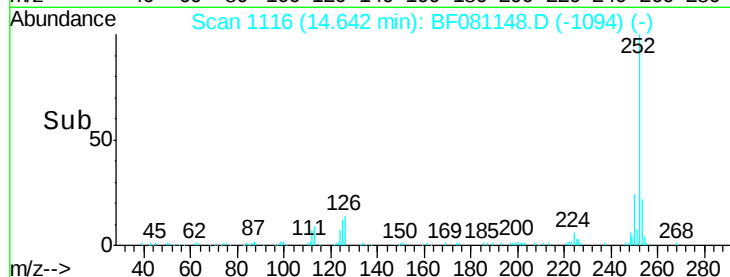
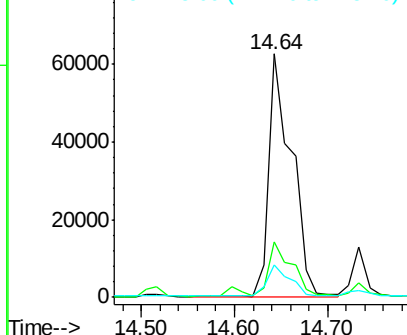
BNA_F

ClientSampleId :

Tot Ion:252	Resp:	109201
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.1 25.7
125	13.3	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: 10.99 ng

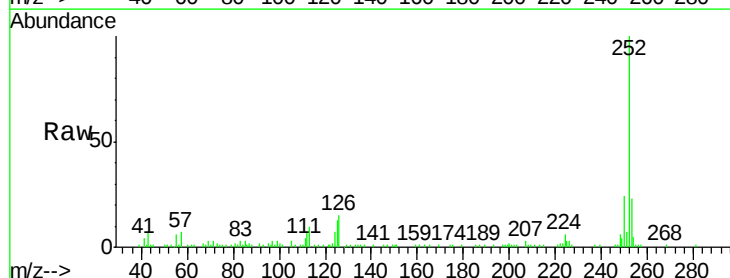
RT: 14.64 min Scan# 1116

Delta R.T. -0.08 min

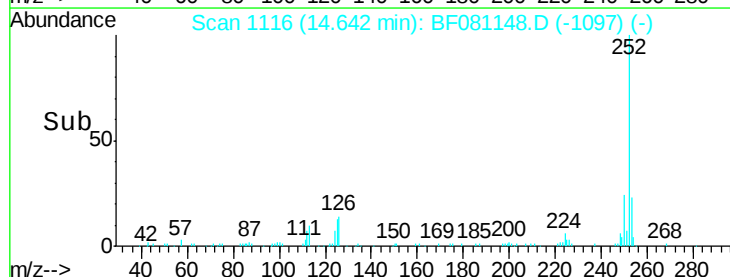
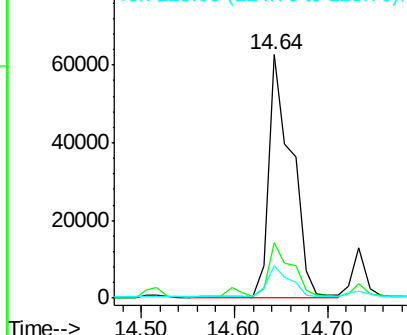
Lab File: BF081148.D

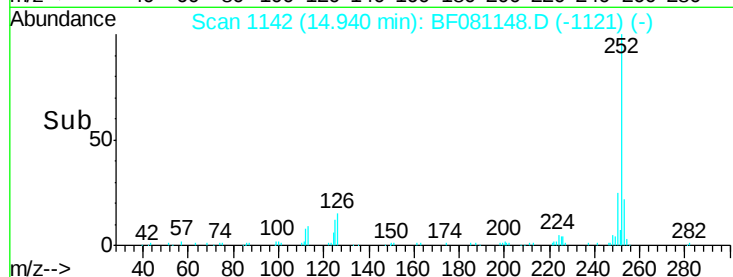
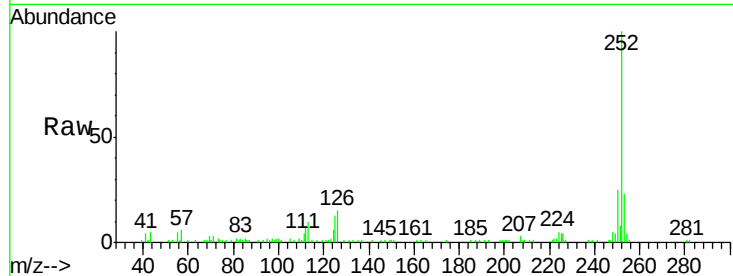
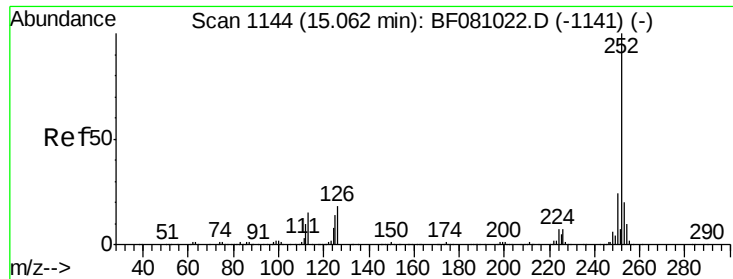
Acq: 21 Aug 2015 16:37

Tgt Ion:252	Resp:	109201
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.6 26.4
125	13.3	10.3 15.5



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





#89

Benzo(a)pyrene

Concen: 6.65 ng

RT: 14.94 min Scan# 1142

Delta R.T. -0.06 min

Lab File: BF081148.D

Acq: 21 Aug 2015 16:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	61831
Ion Ratio	Lower	Upper
252	100	
253	23.2	16.6 25.0
125	13.1	7.8 11.8#

