

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092181.D
 Acq On : 10 Jan 2017 14:54
 Operator : UM/SJ
 Sample : I1045-06RE 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

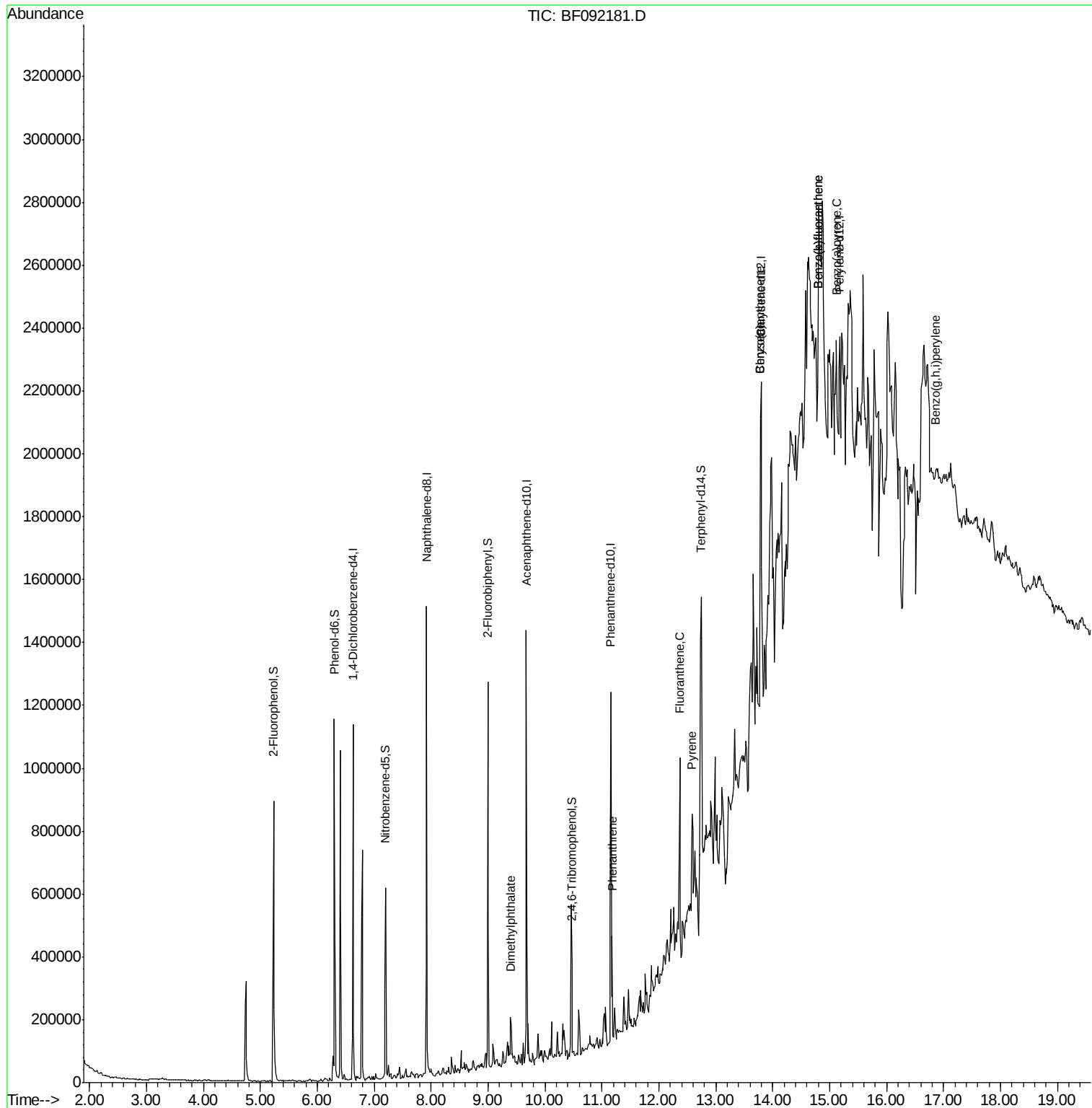
Quant Time: Jan 10 15:36:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

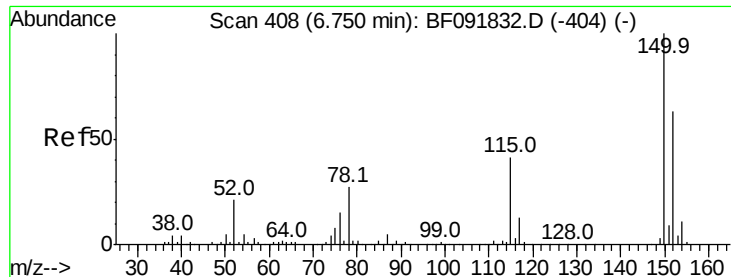
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	162787	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	650340	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	292572	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	438327	20.00	ng	0.00
75) Chrysene-d12	13.80	240	311568	20.00	ng	0.01
86) Perylene-d12	15.18	264	169373	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	334082	34.27	ng	0.00
7) Phenol-d6	6.30	99	445341	37.41	ng	-0.01
23) Nitrobenzene-d5	7.20	82	232063	19.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	66459	27.45	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	420561	19.51	ng	-0.01
78) Terphenyl-d14	12.74	244	377751	29.40	ng	0.00
Target Compounds						
9) Benzaldehyde	6.30	77	899	Below Cal	#	1
37) 2-Methylnaphthalene	8.64	142	4336	Below Cal	#	93
49) Dimethylphthalate	9.40	163	54936	2.94	ng	98
70) Phenanthrene	11.18	178	127987	5.38	ng	96
73) Di-n-butylphthalate	11.73	149	2944	Below Cal	#	65
74) Fluoranthene	12.37	202	256425	9.26	ng	92
76) Benzydine	12.48	184	622	Below Cal	#	1
77) Pyrene	12.58	202	185814	8.13	ng	95
80) Benzo(a)anthracene	13.79	228	147669	8.40	ng	# 89
82) Chrysene	13.79	228	147669	8.37	ng	# 92
87) Benzo(b)fluoranthene	14.80	252	82959	7.87	ng	# 37
88) Benzo(k)fluoranthene	14.80	252	82959	9.23	ng	# 37
89) Benzo(a)pyrene	15.12	252	33892	3.62	ng	# 28
91) Benzo(a,h,i)perylene	16.86	276	21553	2.69	ng	# 47

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

```
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Sample    : I1045-06RE 2X  
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ALS Vial  : 9      Sample Multiplier: 1
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
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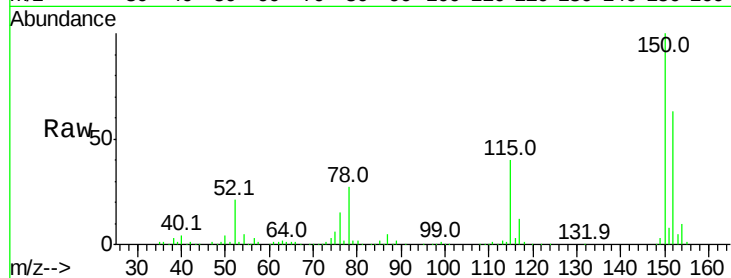


#1

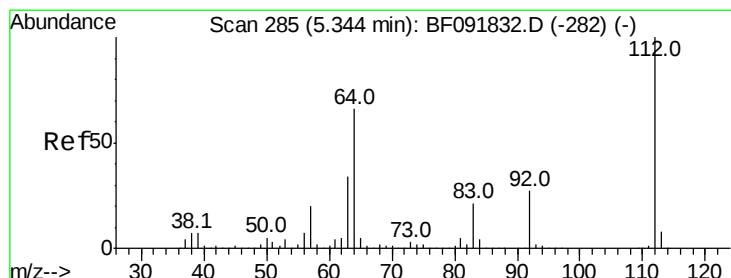
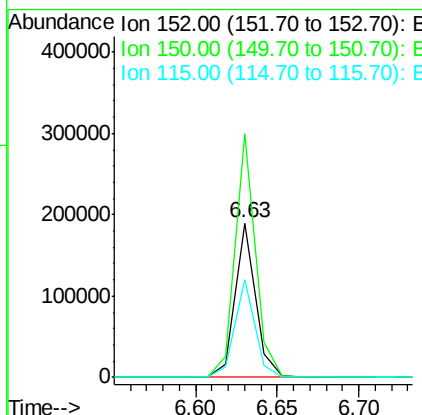
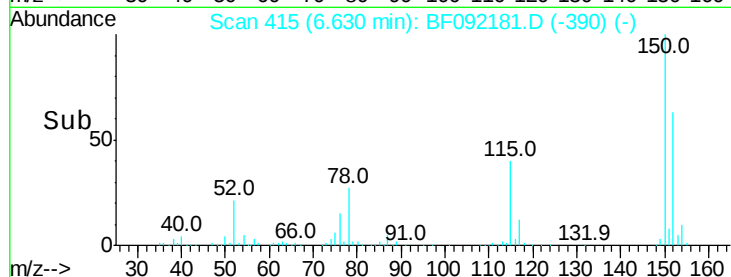
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF092181.D
Acq: 10 Jan 2017 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.9	187.3
115	63.2	46.0	69.0



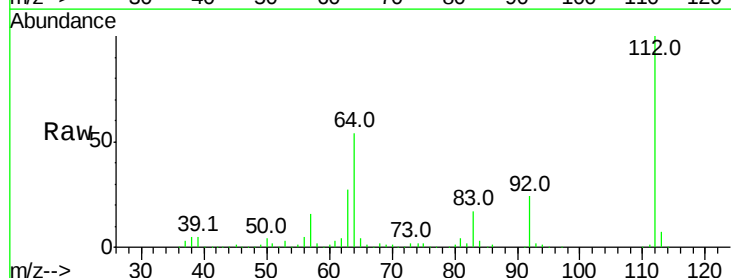
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



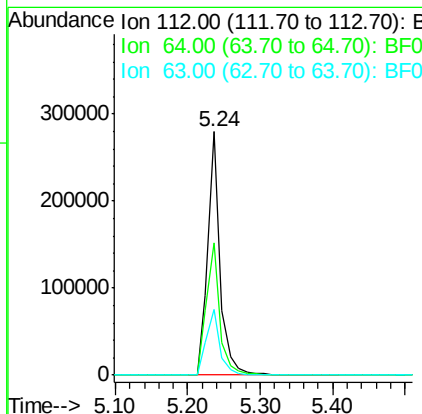
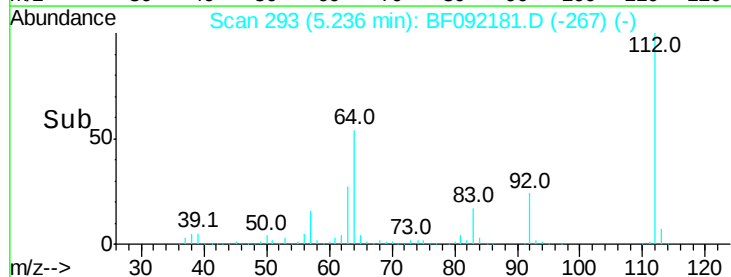
#5

2-Fluorophenol
Concen: 34.27 ng
RT: 5.24 min Scan# 293
Delta R.T. 0.00 min
Lab File: BF092181.D
Acq: 10 Jan 2017 14:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.1	69.1
63	27.2	23.8	35.6



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: 37.41 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

Instrument :

BNA_F

ClientSampled :

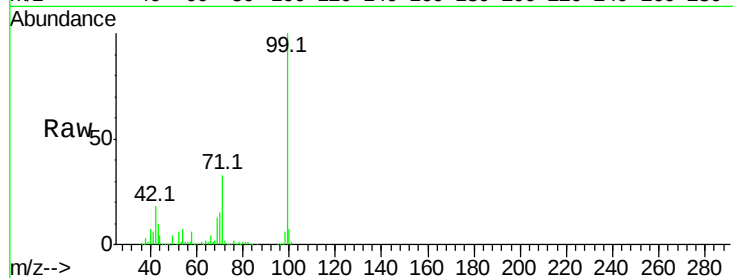
Tot Ion: 99 Resp: 445341

Ion Ratio Lower Upper

99 100

42 17.9 15.6 23.4

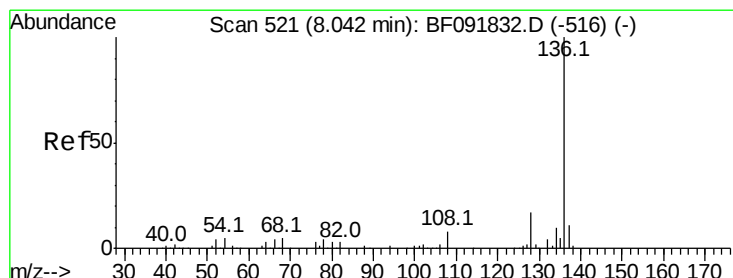
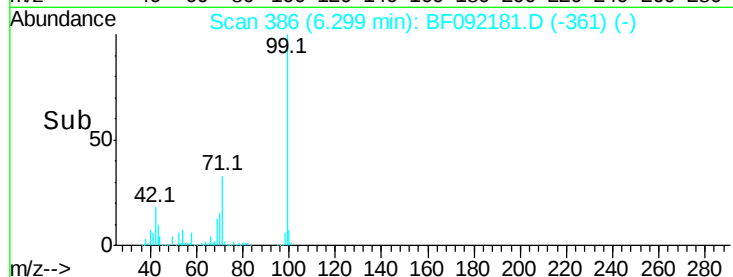
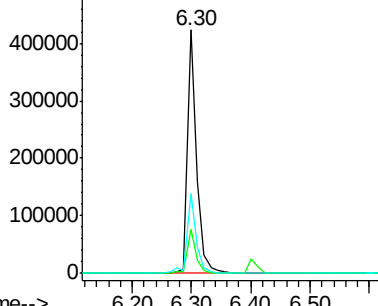
71 32.7 27.5 41.3



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: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

Tgt Ion: 136 Resp: 650340

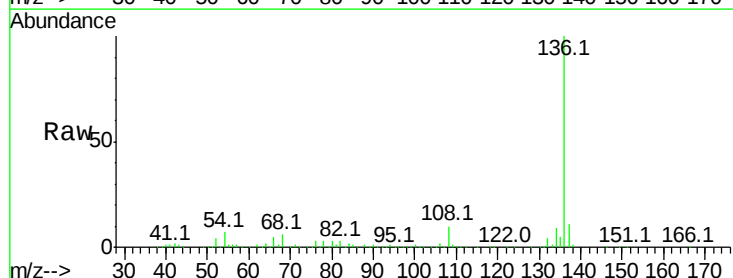
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 6.8 4.5 6.7#

68 5.6 3.6 5.4#

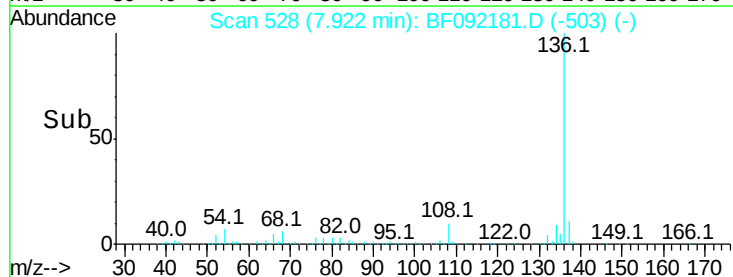
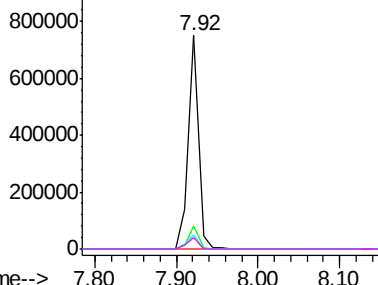


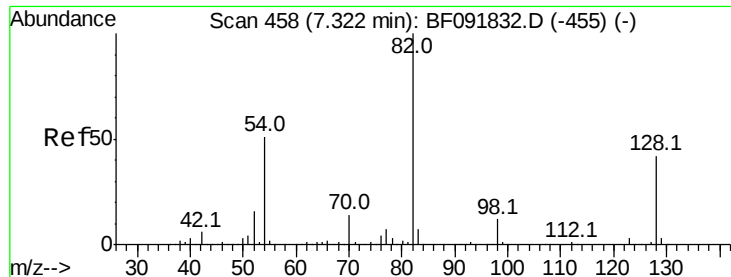
Abundance Ion 136.00 (135.70 to 136.70): E

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

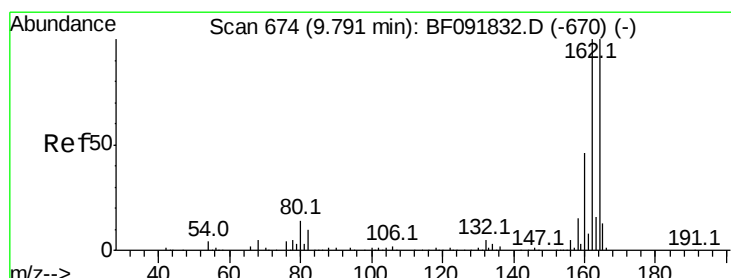
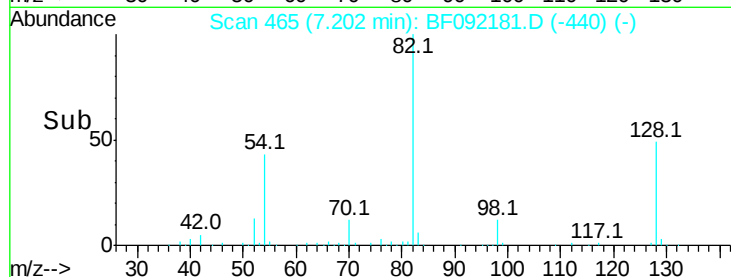
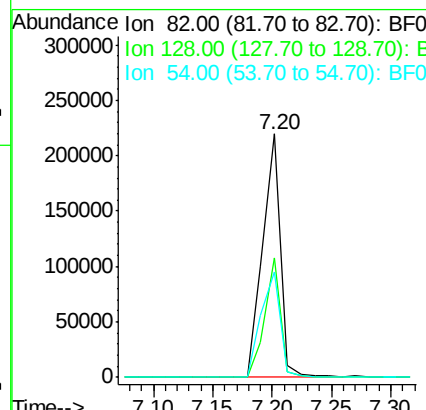
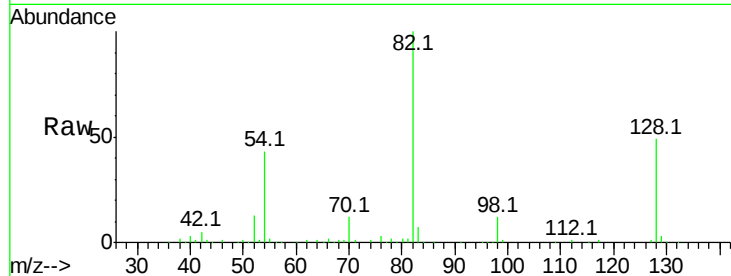




#23
 Nitrobenzene-d5
 Concen: 19.84 ng
 RT: 7.20 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF092181.D
 Acq: 10 Jan 2017 14:54

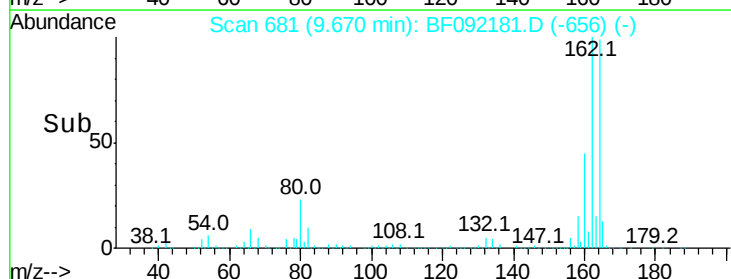
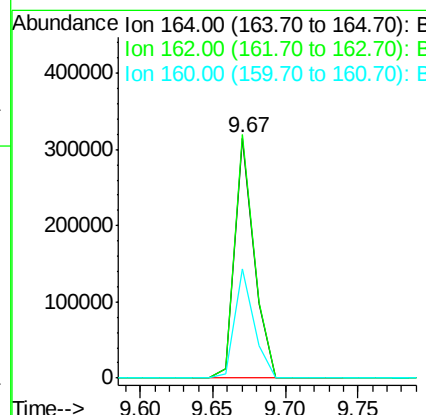
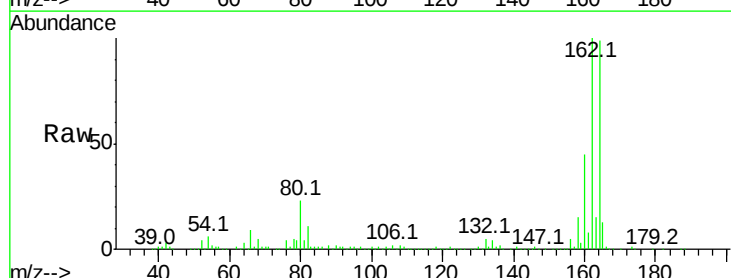
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	232063
Ion Ratio	100		
Lower	34.6		
Upper	52.0		
54	43.2		59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF092181.D
 Acq: 10 Jan 2017 14:54

Tgt Ion	164	Resp	292572
Ion Ratio	100		
Lower	80.2		
Upper	120.2		
162	101.4		55.3
160	45.4		

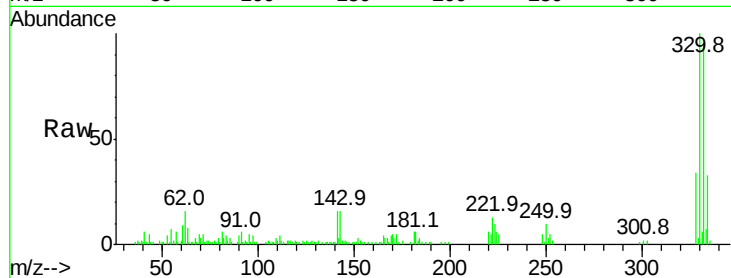




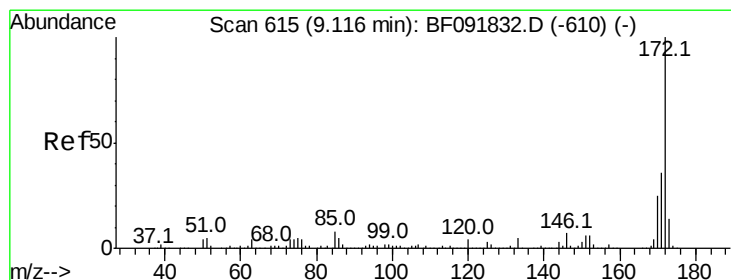
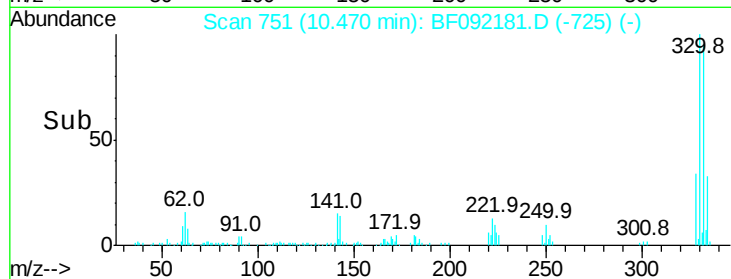
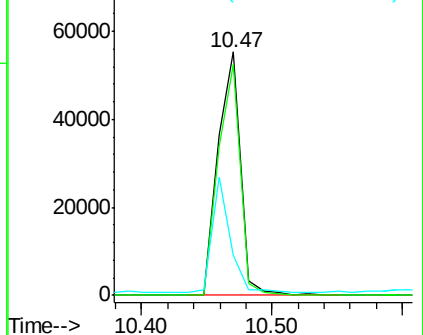
#41
 2,4,6-Tribromophenol
 Concen: 27.45 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092181.D
 Acq: 10 Jan 2017 14:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 66459
 Ion Ratio Lower Upper
 330 100
 332 93.1 77.4 116.2
 141 38.8 34.1 51.1

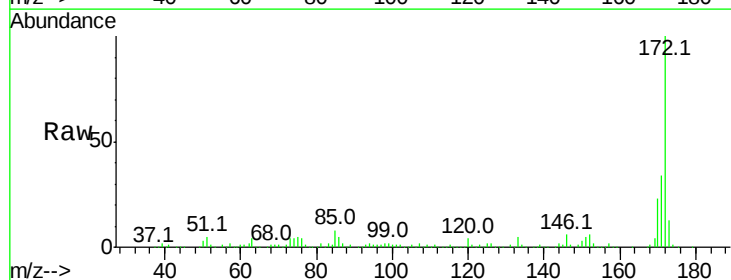


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

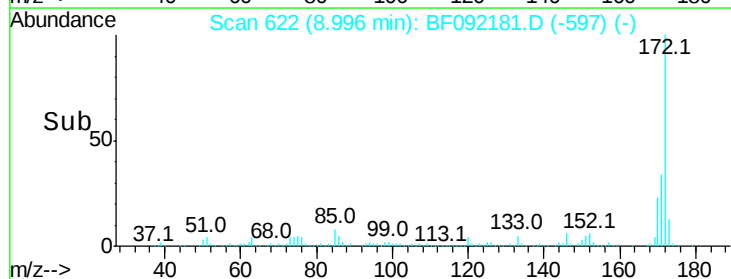
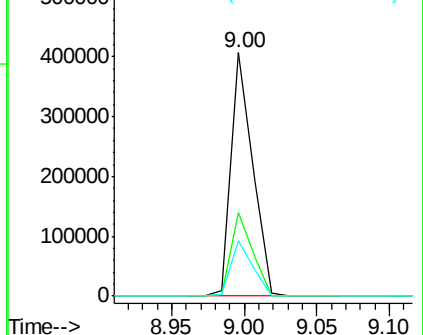


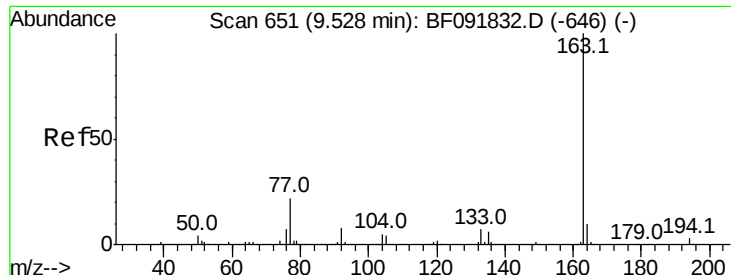
#44
 2-Fluorobiphenyl
 Concen: 19.51 ng
 RT: 9.00 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF092181.D
 Acq: 10 Jan 2017 14:54

Tgt Ion:172 Resp: 420561
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.4 44.0
 170 22.9 20.2 30.4



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

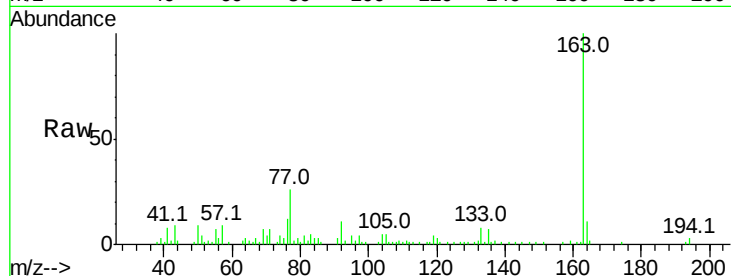




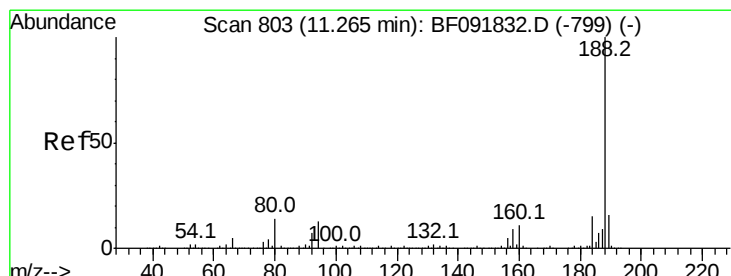
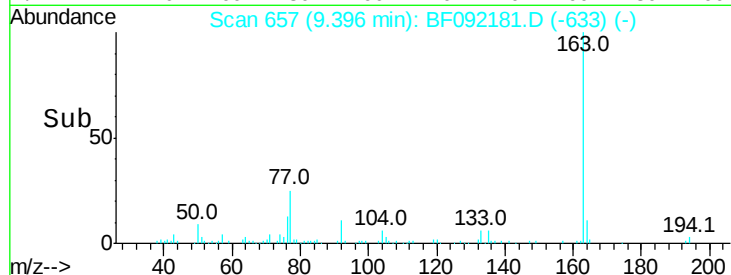
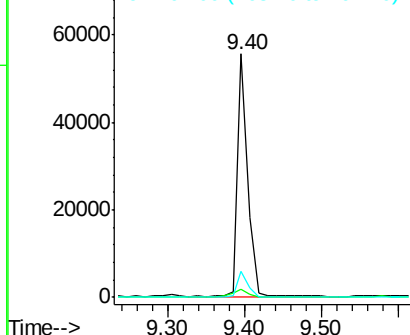
#49
Dimethylphthalate
Concen: 2.94 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092181.D
Acq: 10 Jan 2017 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 54936
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.8 8.0 12.0

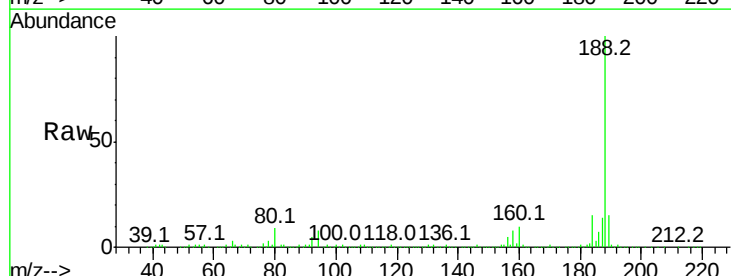


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

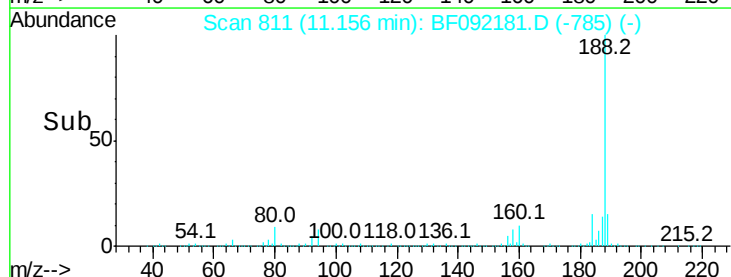
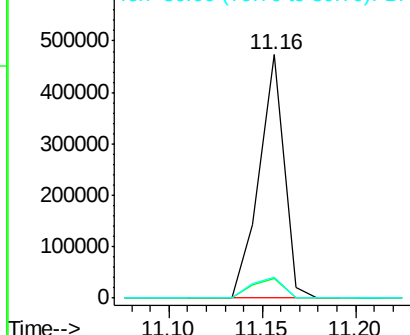


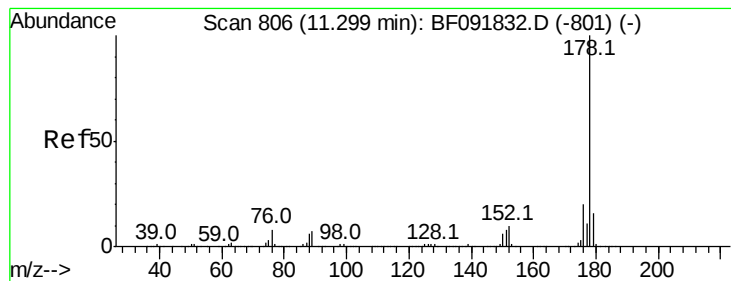
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF092181.D
Acq: 10 Jan 2017 14:54

Tgt Ion:188 Resp: 438327
Ion Ratio Lower Upper
188 100
94 8.2 10.0 15.0#
80 8.6 11.2 16.8#



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: 5.38 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

Instrument :

BNA_F

ClientSampleId :

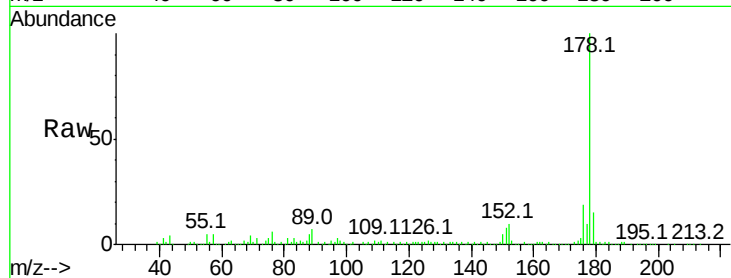
Tot Ion:178 Resp: 127987

Ion Ratio Lower Upper

178 100

176 18.5 16.6 25.0

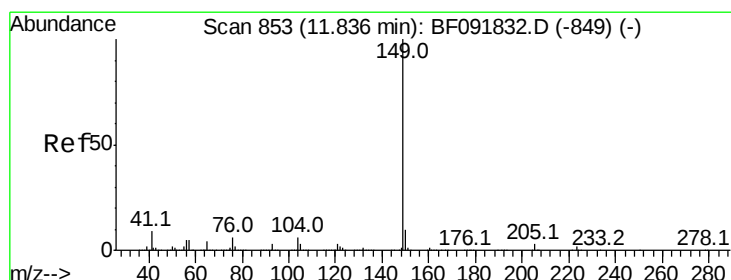
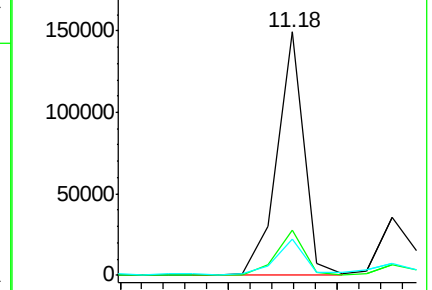
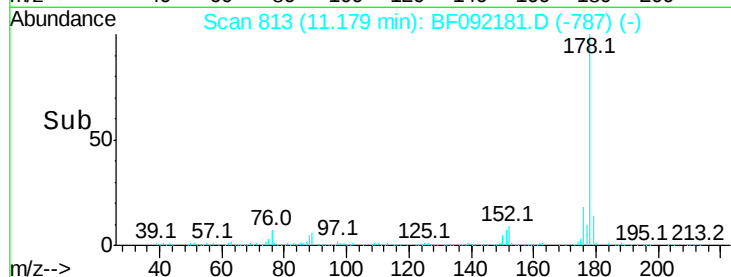
179 15.0 12.8 19.2



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.73 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

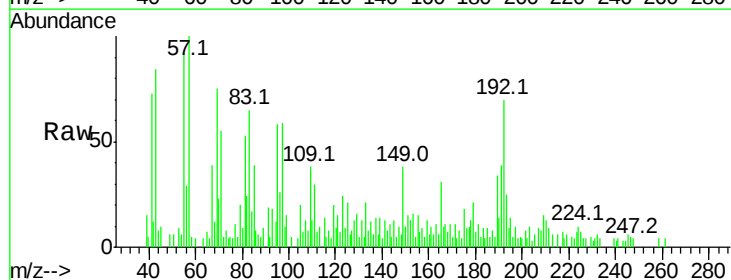
Tgt Ion:149 Resp: 2944

Ion Ratio Lower Upper

149 100

150 27.2 8.1 12.1#

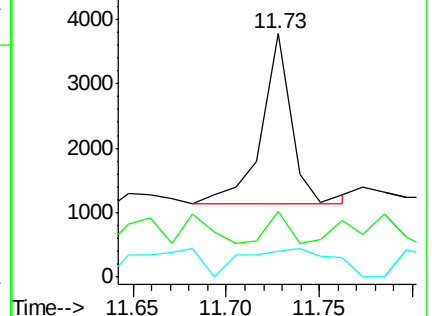
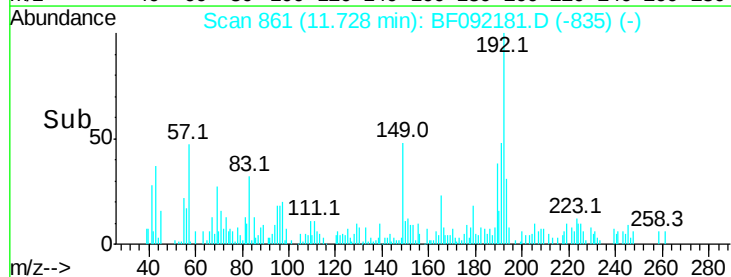
104 10.6 4.6 7.0#

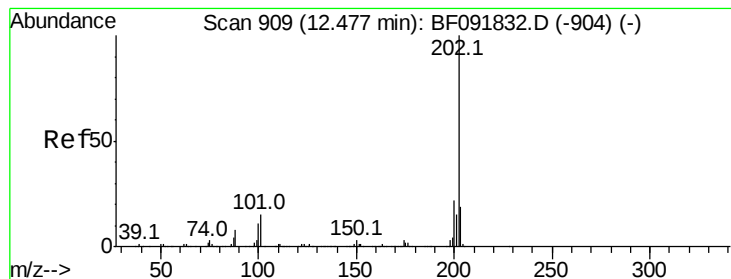


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 9.26 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092181.D

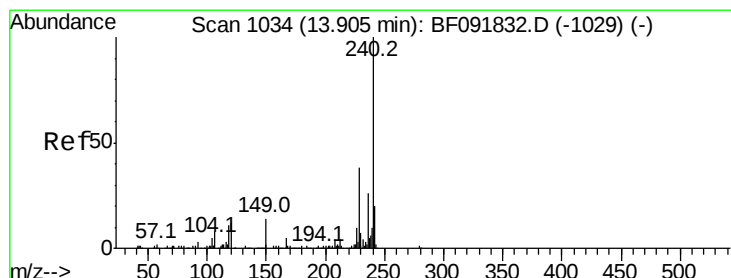
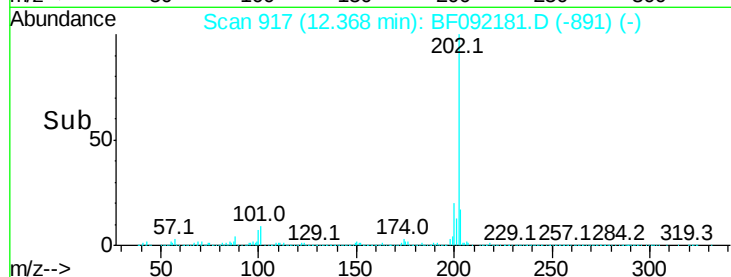
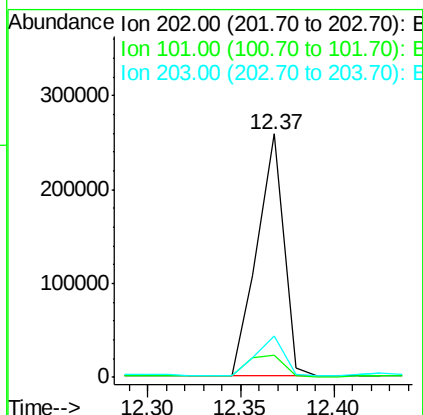
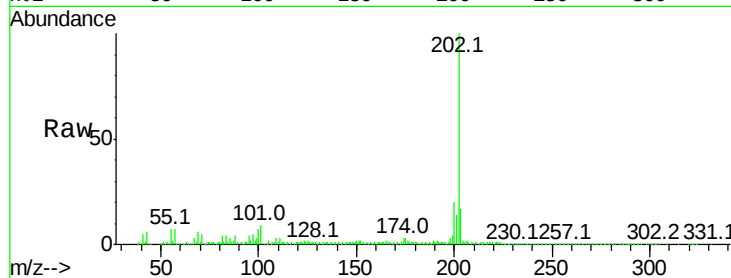
Acq: 10 Jan 2017 14:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	256425
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	34.6
203	17.1	0.0	38.7



#75

Chrysene-d12

Concen: 20.00 ng

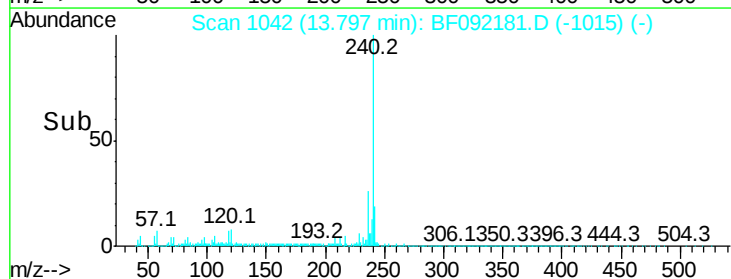
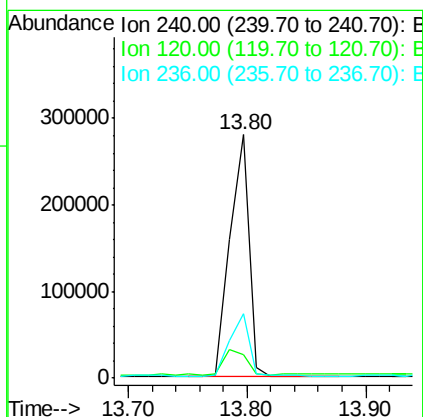
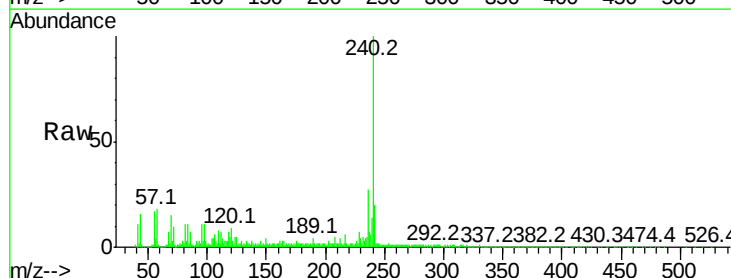
RT: 13.80 min Scan# 1042

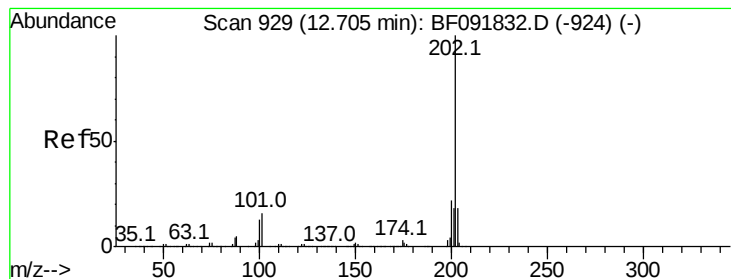
Delta R.T. 0.01 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

Tgt Ion:	240	Resp:	311568
Ion Ratio	Lower	Upper	
240	100		
120	9.5	12.9	19.3#
236	26.5	20.9	31.3





#77

Pvrene

Concen: 8.13 ng

RT: 12.58 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

Instrument :

BNA_F

ClientSampleId :

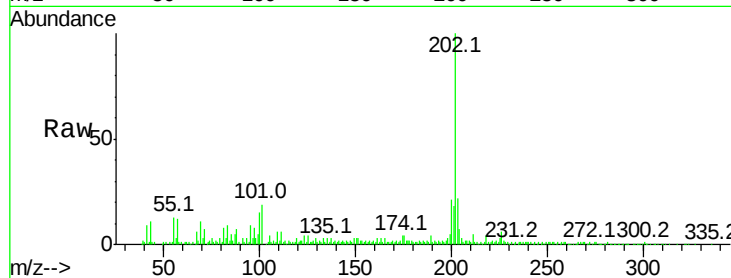
Tot Ion:202 Resp: 185814

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

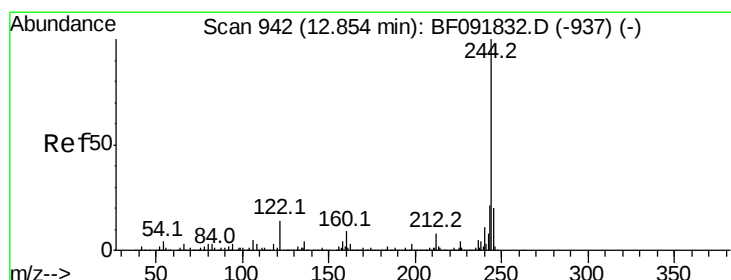
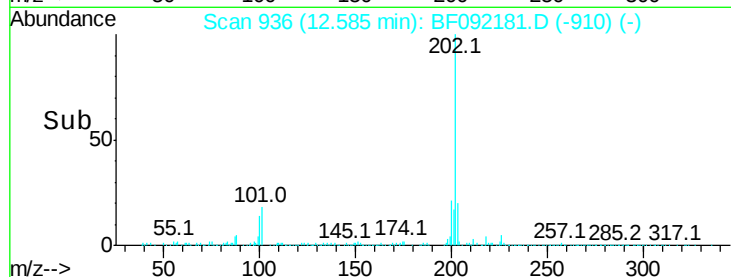
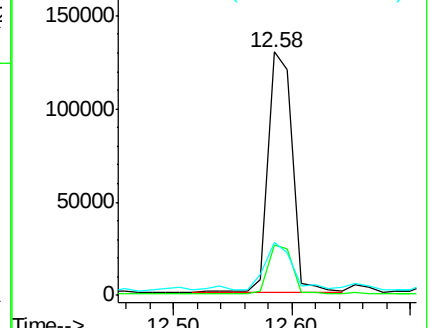
203 21.7 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 29.40 ng

RT: 12.74 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

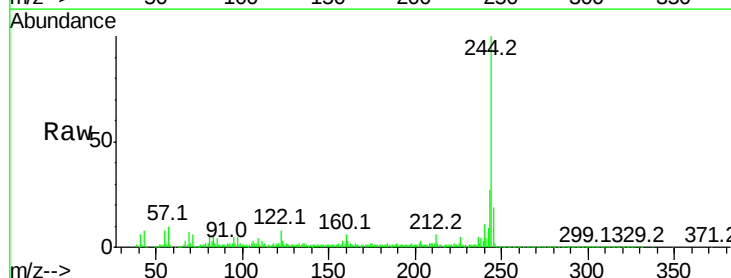
Tgt Ion:244 Resp: 377751

Ion Ratio Lower Upper

244 100

212 6.2 6.2 9.2

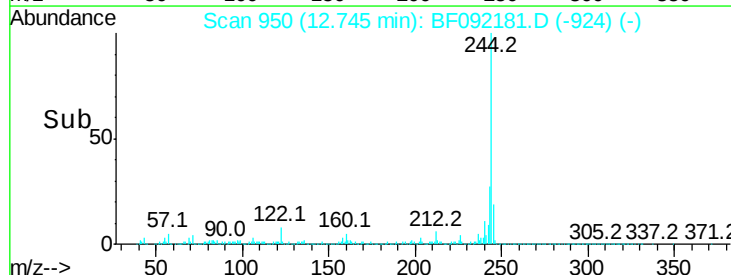
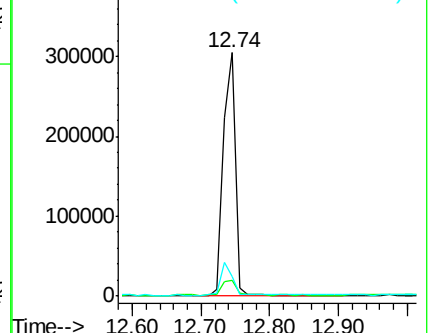
122 7.9 11.4 17.2#

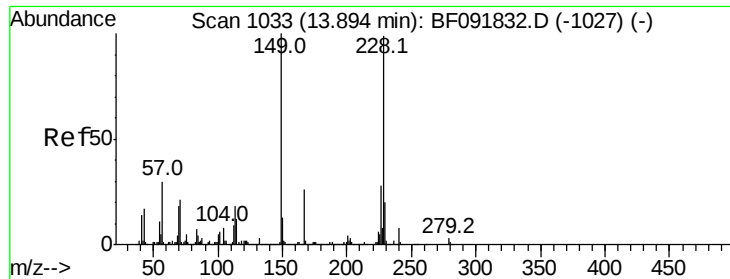


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.40 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

Instrument :

BNA_F

ClientSampleId :

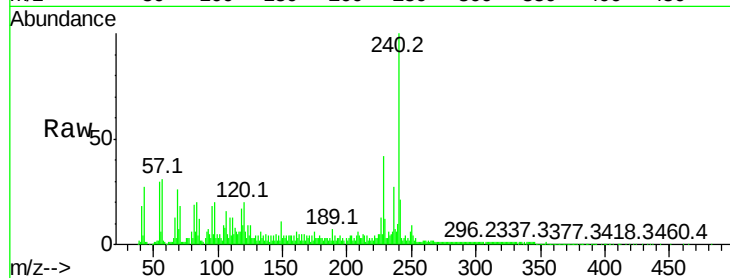
Tot Ion:228 Resp: 147669

Ion Ratio Lower Upper

228 100

226 31.1 22.4 33.6

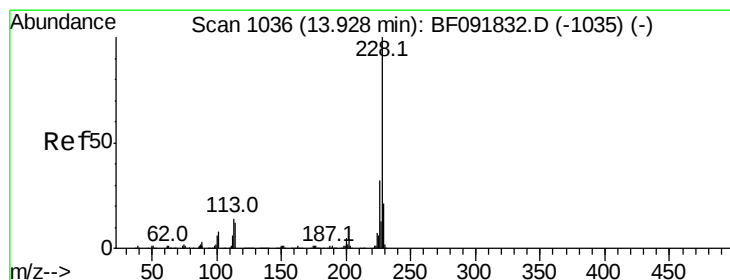
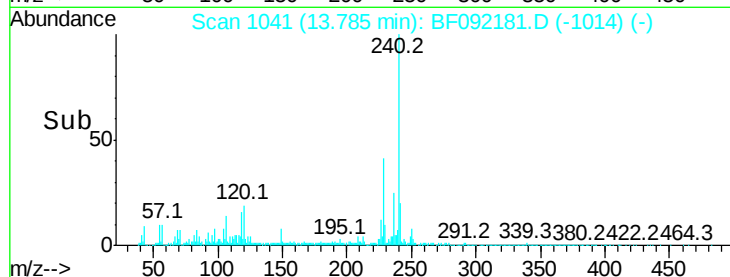
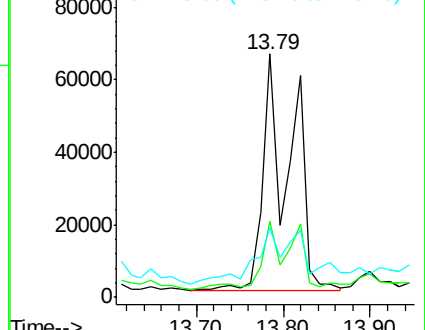
229 28.4 16.2 24.4#



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: 8.37 ng

RT: 13.79 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

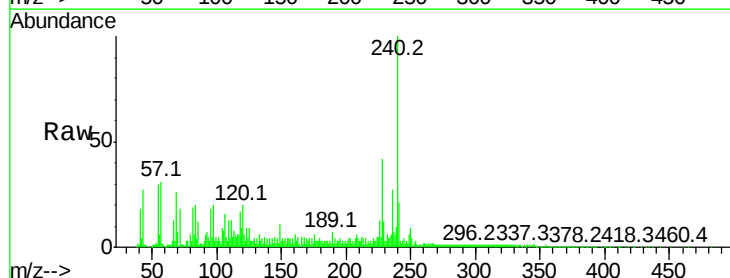
Tgt Ion:228 Resp: 147669

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.0

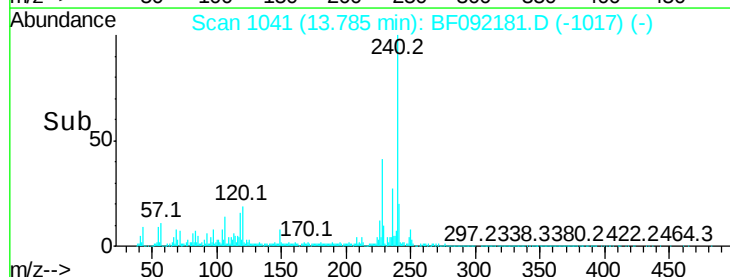
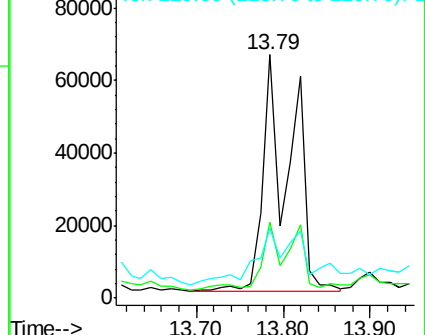
229 28.4 16.2 24.2#

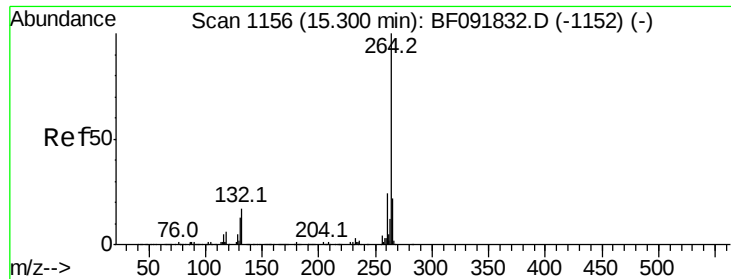


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

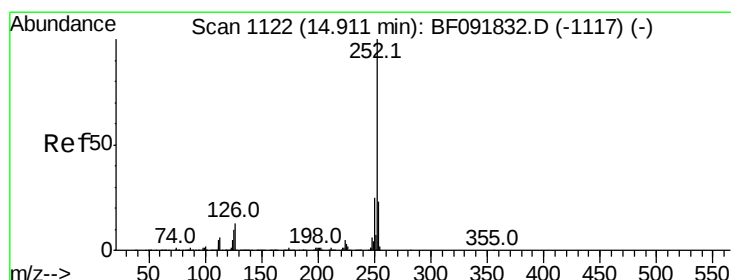
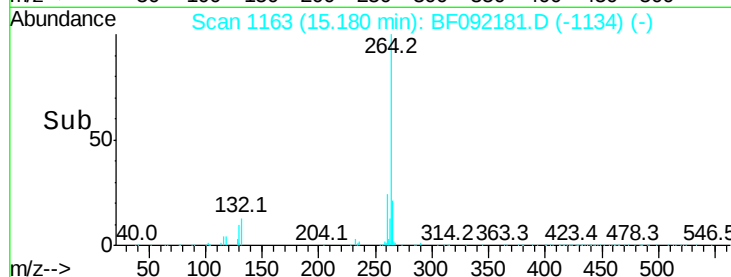
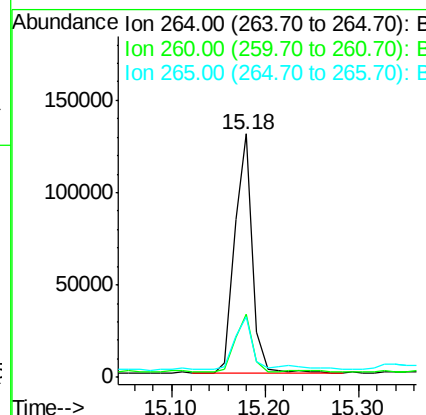
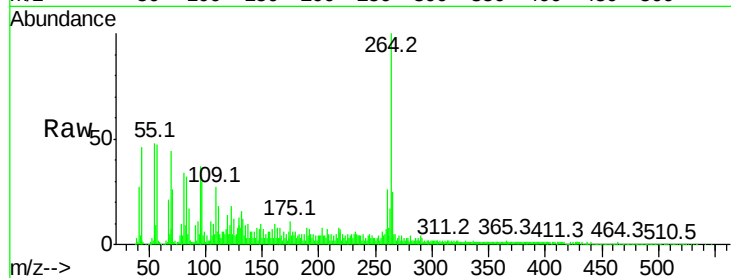




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1163
Delta R.T. 0.03 min
Lab File: BF092181.D
Acq: 10 Jan 2017 14:54

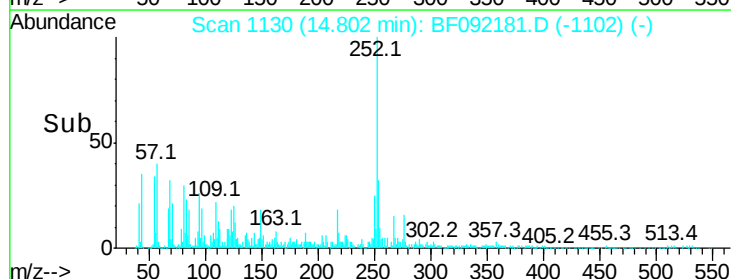
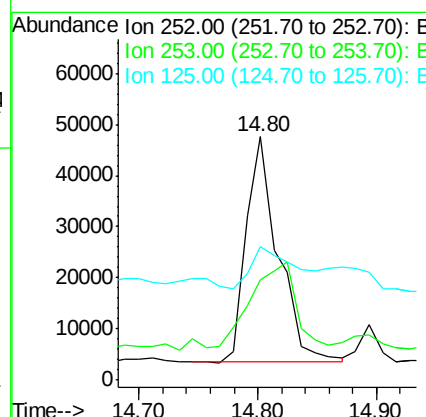
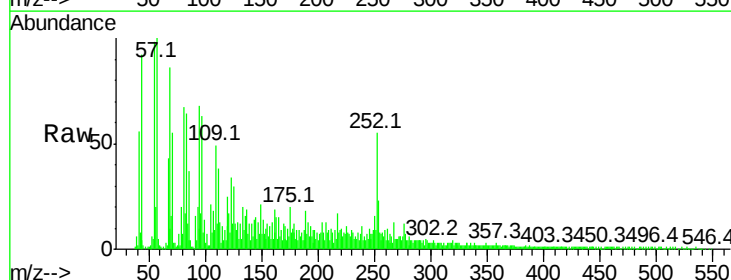
Instrument :
BNA_F
ClientSampleId :

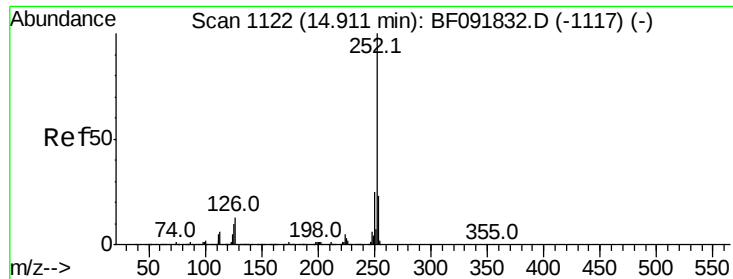
Tot Ion:264 Resp: 169373
Ion Ratio Lower Upper
264 100
260 26.2 19.2 28.8
265 25.0 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 7.87 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.02 min
Lab File: BF092181.D
Acq: 10 Jan 2017 14:54

Tgt Ion:252 Resp: 82959
Ion Ratio Lower Upper
252 100
253 41.2 18.2 27.4#
125 54.9 9.8 14.6#

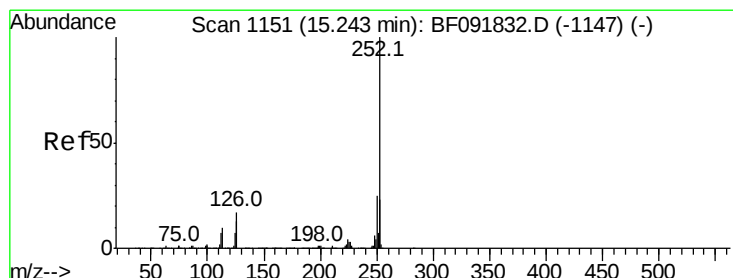
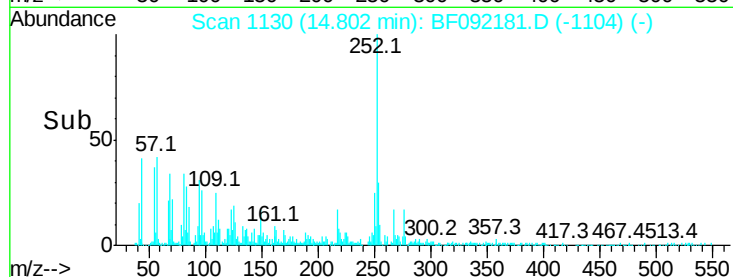
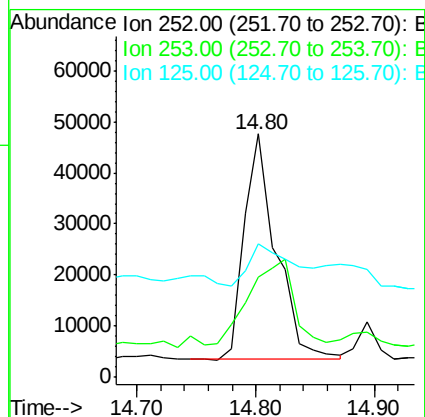
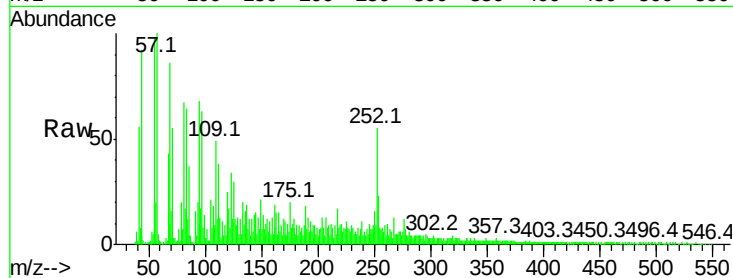




#88
Benzo(k)fluoranthene
Concen: 9.23 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF092181.D
Acq: 10 Jan 2017 14:54

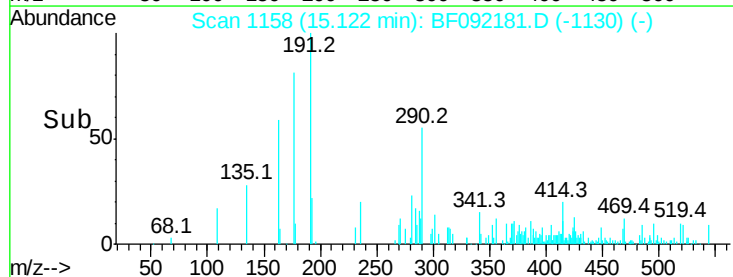
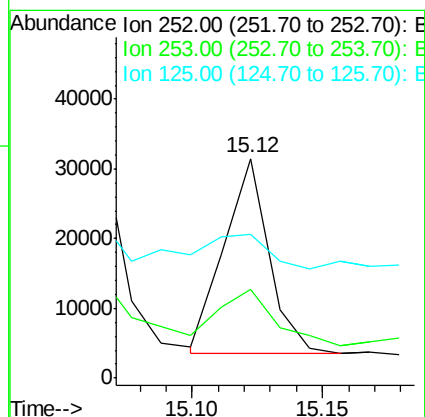
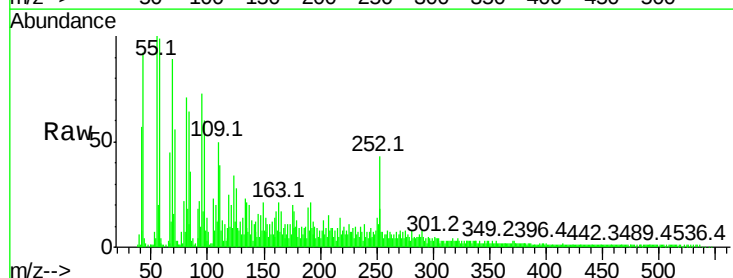
Instrument :
BNA_F
ClientSampleId :

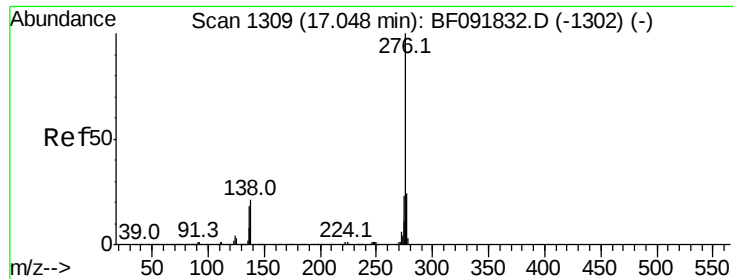
Tot Ion:252 Resp: 82959
Ion Ratio Lower Upper
252 100
253 41.2 18.5 27.7#
125 54.9 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 3.62 ng
RT: 15.12 min Scan# 1158
Delta R.T. 0.02 min
Lab File: BF092181.D
Acq: 10 Jan 2017 14:54

Tgt Ion:252 Resp: 33892
Ion Ratio Lower Upper
252 100
253 40.6 18.2 27.2#
125 65.2 10.0 15.0#





#91

Benzo(a,h,i)perylene

Concen: 2.69 ng

RT: 16.86 min Scan# 1310

Delta R.T. 0.06 min

Lab File: BF092181.D

Acq: 10 Jan 2017 14:54

Instrument :

BNA_F

ClientSampleId :

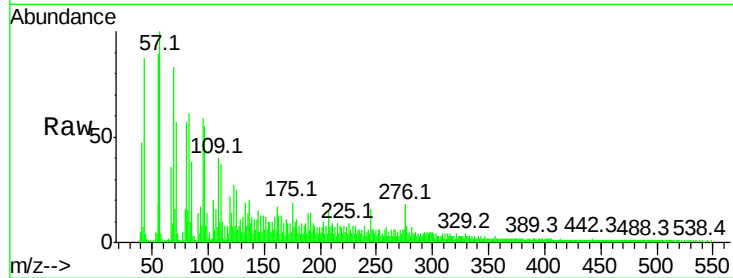
Tot Ion: 276 Resp: 21553

Ion Ratio Lower Upper

276 100

277 42.7 19.2 28.8#

138 52.4 16.0 24.0#



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

