

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081578.D
 Acq On : 10 Sep 2015 21:33
 Operator : UM/IZ
 Sample : G3590-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TYB4(1.5-2)

Quant Time: Sep 11 02:11:57 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 11 00:38:02 2015
 Response via : Initial Calibration

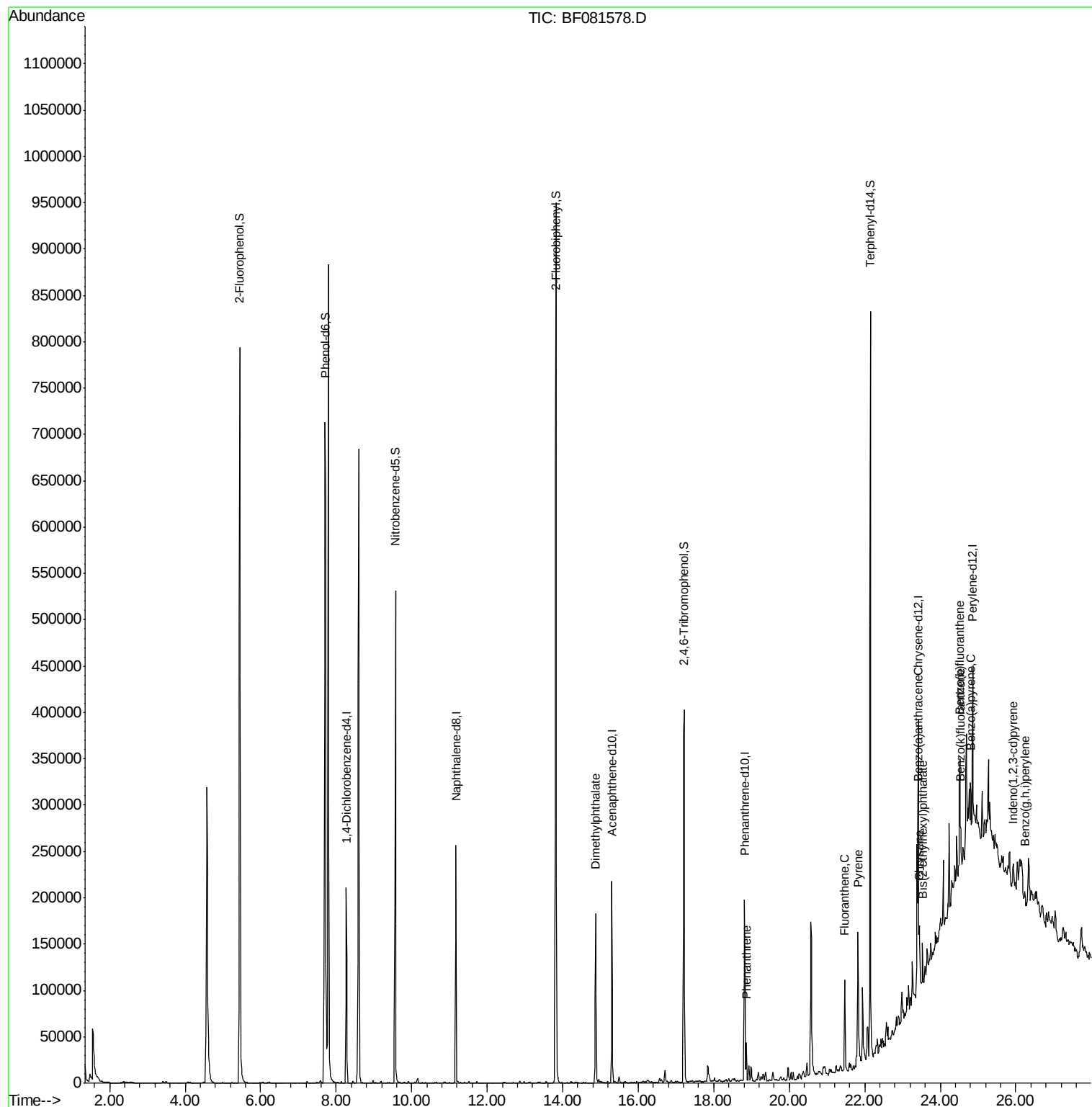
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	48537	20.00	ng	0.00
21) Naphthalene-d8	11.17	136	183803	20.00	ng	0.00
38) Acenaphthene-d10	15.30	164	76296	20.00	ng	0.00
63) Phenanthrene-d10	18.81	188	126575	20.00	ng	0.00
75) Chrysene-d12	23.42	240	93621	20.00	ng	0.00
86) Perylene-d12	24.86	264	65565	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	346772	110.85	ng	0.02
7) Phenol-d6	7.70	99	484704	117.05	ng	0.01
23) Nitrobenzene-d5	9.57	82	301801	79.22	ng	0.00
41) 2,4,6-Tribromophenol	17.21	330	71987	105.97	ng	0.00
44) 2-Fluorobiphenyl	13.82	172	509284	85.54	ng	0.00
78) Terphenyl-d14	22.15	244	292115	72.63	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.87	163	118629	20.01	ng	# 97
70) Phenanthrene	18.87	178	33246	4.72	ng	96
74) Fluoranthene	21.46	202	64635	8.48	ng	90
77) Pyrene	21.82	202	58858	8.49	ng	96
80) Benzo(a)anthracene	23.41	228	35726	5.99	ng	92
82) Chrysene	23.44	228	27113	5.07	ng	93
83) Bis(2-ethylhexyl)phthalate	23.53	149	10995	2.76	ng	# 95
85) Indeno(1,2,3-cd)pyrene	25.92	276	11907	3.04	ng	# 76
87) Benzo(b)fluoranthene	24.52	252	33851m	7.23	ng	
88) Benzo(k)fluoranthene	24.53	252	11909m	3.07	ng	
89) Benzo(a)pyrene	24.81	252	21715	5.47	ng	# 89
91) Benzo(g,h,i)perylene	26.24	276	14071	4.81	ng	# 72

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

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TYB4(1.5-2)

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

Instrument :

BNA_F

ClientSampleId :

TYB4(1.5-2)

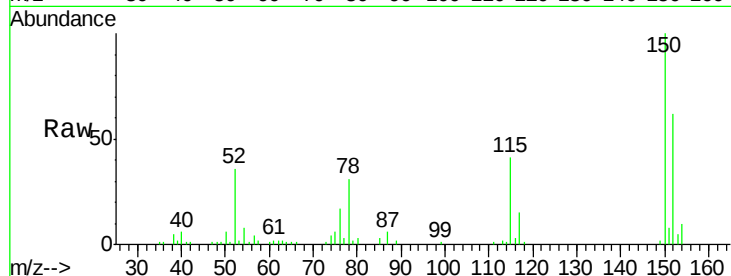
Tgt Ion:152 Resp: 48537

Ion Ratio Lower Upper

152 100

150 162.4 124.7 187.1

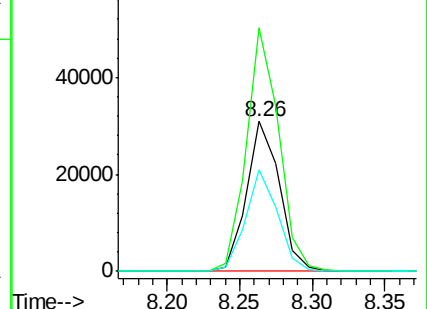
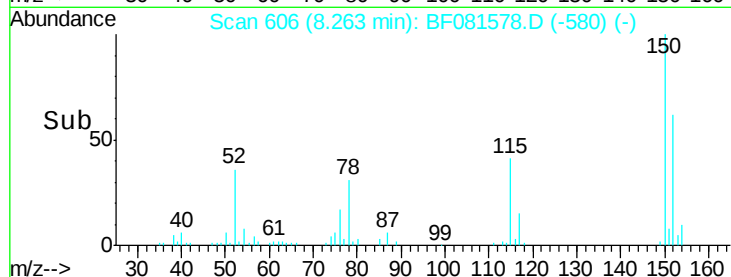
115 67.4 39.0 58.4#



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: 110.85 ng

RT: 5.44 min Scan# 359

Delta R.T. 0.02 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

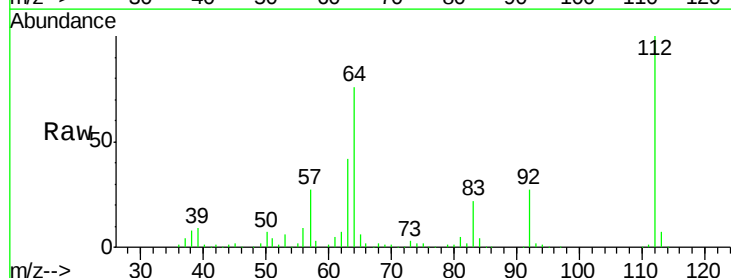
Tgt Ion:112 Resp: 346772

Ion Ratio Lower Upper

112 100

64 76.3 39.7 59.5#

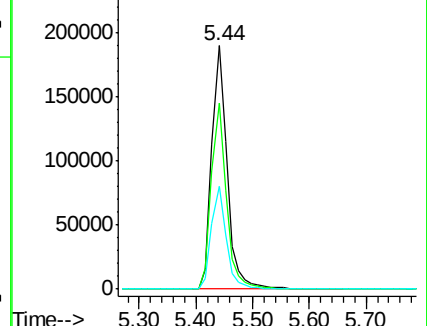
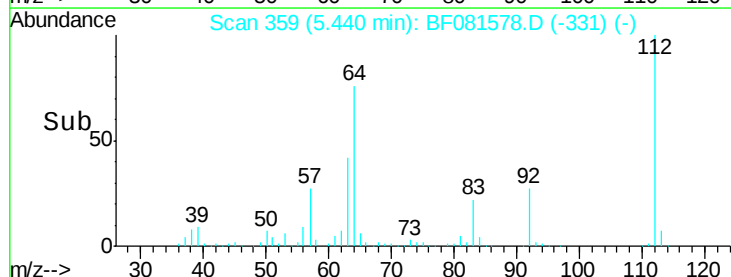
63 42.2 17.4 26.0#



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: 117.05 ng

RT: 7.70 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

Instrument :

BNA_F

ClientSampleId :

TYB4(1.5-2)

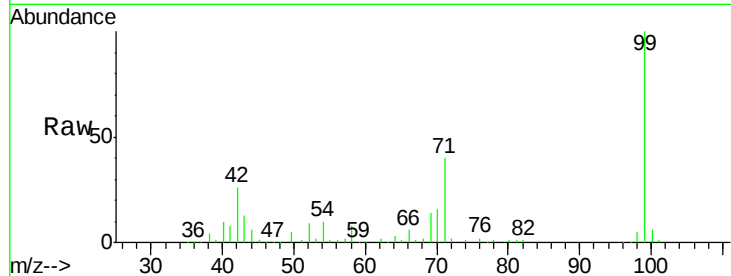
Tgt Ion: 99 Resp: 484704

Ion Ratio Lower Upper

99 100

42 26.1 13.7 20.5#

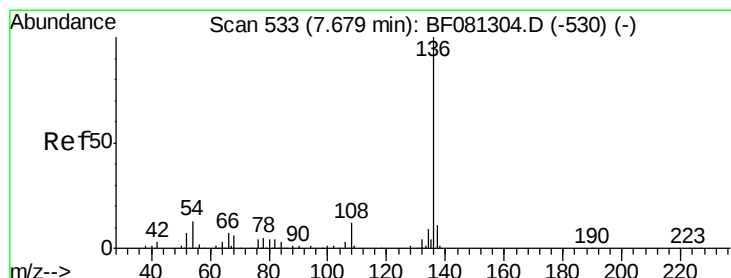
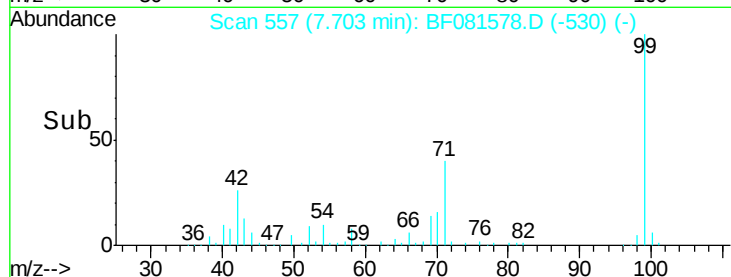
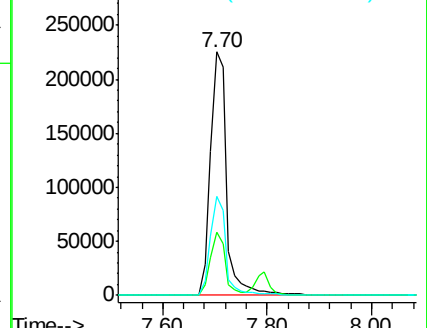
71 40.4 14.2 21.2#



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: 11.17 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

Tgt Ion: 136 Resp: 183803

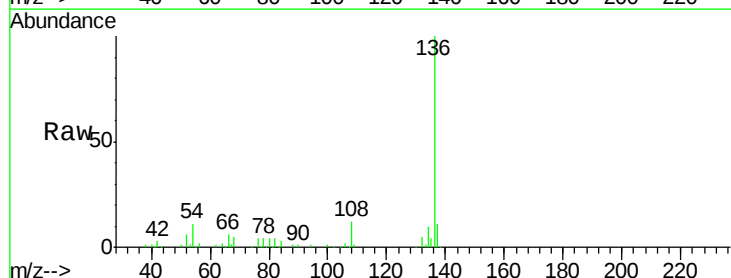
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 11.3 8.2 12.2

68 5.2 5.8 8.6#

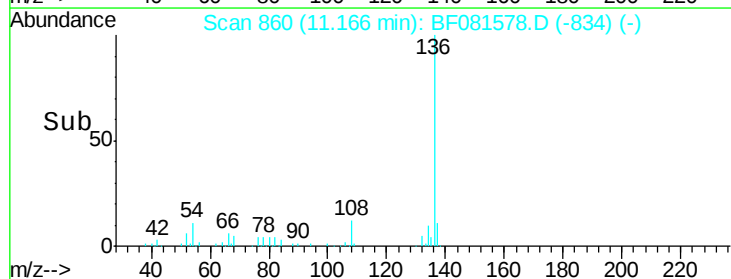
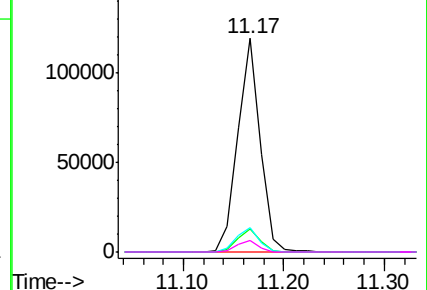


Abundance Ion 136.00 (135.70 to 136.70): E

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

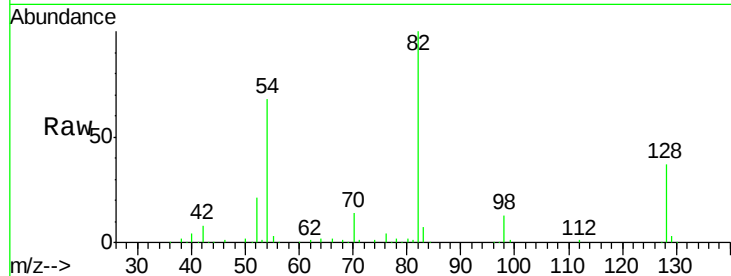




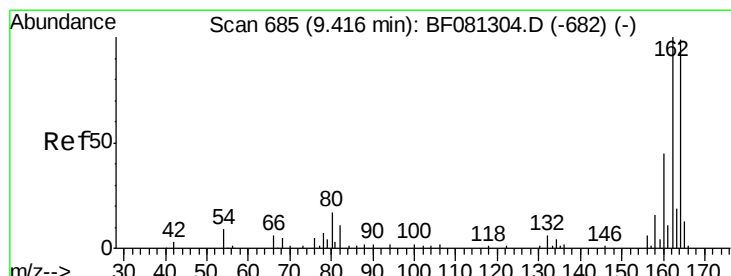
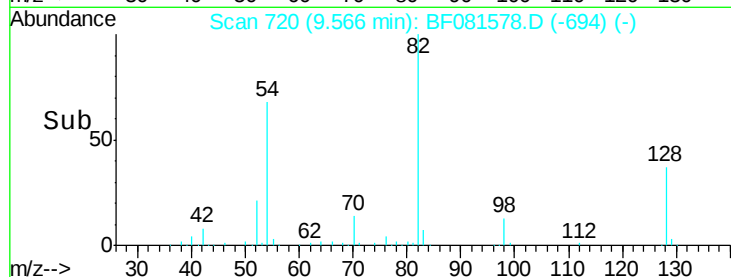
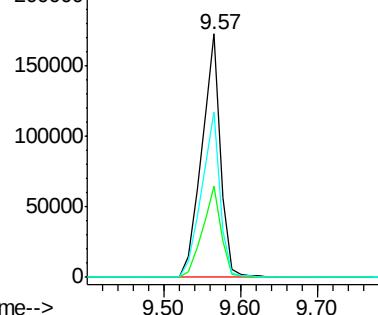
#23
 Nitrobenzene-d5
 Concen: 79.22 ng
 RT: 9.57 min Scan# 720
 Delta R.T. -0.00 min
 Lab File: BF081578.D
 Acq: 10 Sep 2015 21:33

Instrument :
 BNA_F
 ClientSampleId :
 TYB4(1.5-2)

Tgt Ion: 82 Resp: 301801
 Ion Ratio Lower Upper
 82 100
 128 37.3 51.0 76.6#
 54 67.8 47.5 71.3

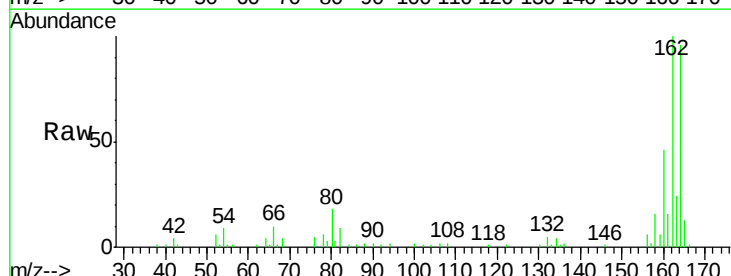


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

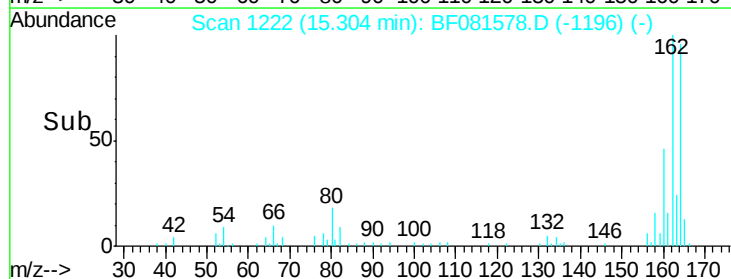
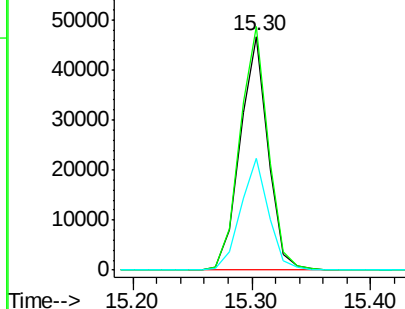


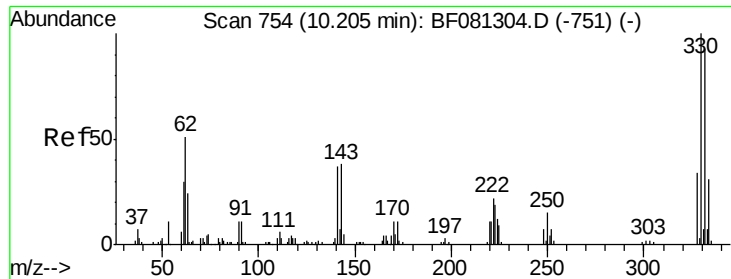
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: BF081578.D
 Acq: 10 Sep 2015 21:33

Tgt Ion: 164 Resp: 76296
 Ion Ratio Lower Upper
 164 100
 162 104.1 75.2 112.8
 160 47.9 31.5 47.3#



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

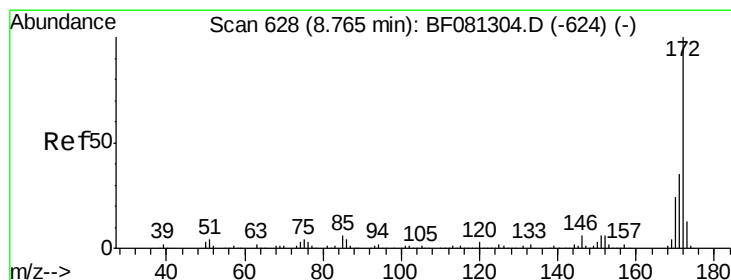
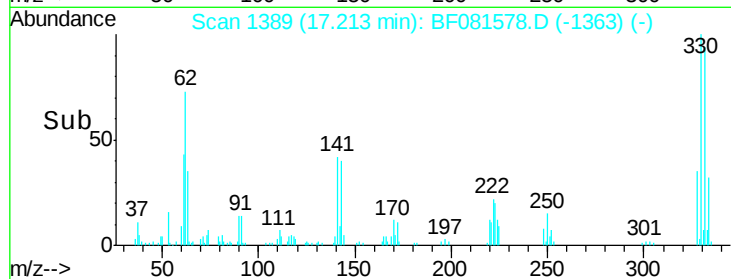
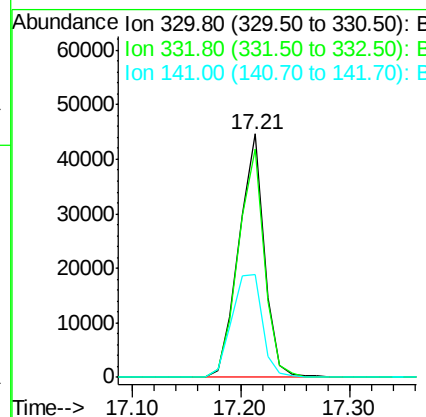
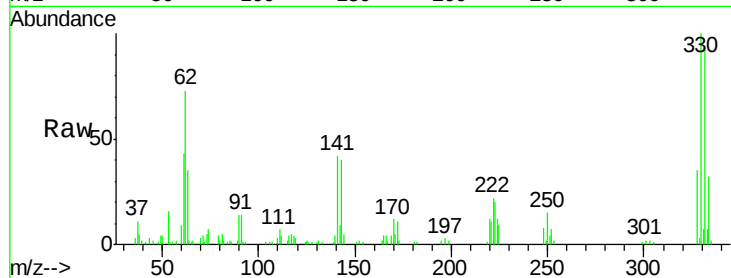




#41
 2,4,6-Tribromophenol
 Concen: 105.97 ng
 RT: 17.21 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BF081578.D
 Acq: 10 Sep 2015 21:33

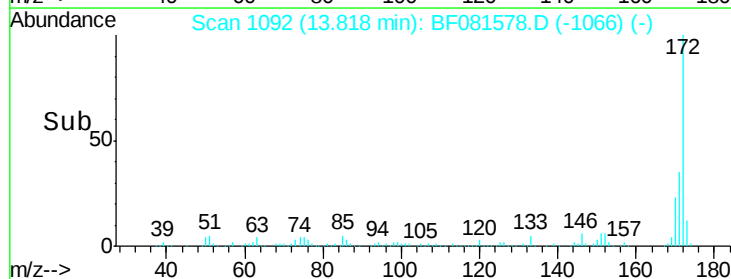
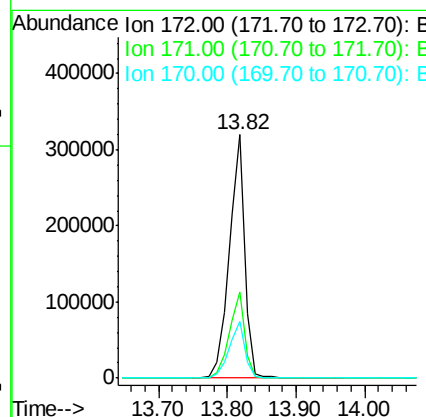
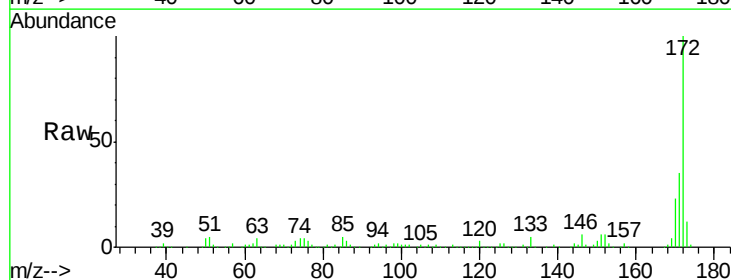
Instrument :
 BNA_F
 ClientSampleId :
 TYB4(1.5-2)

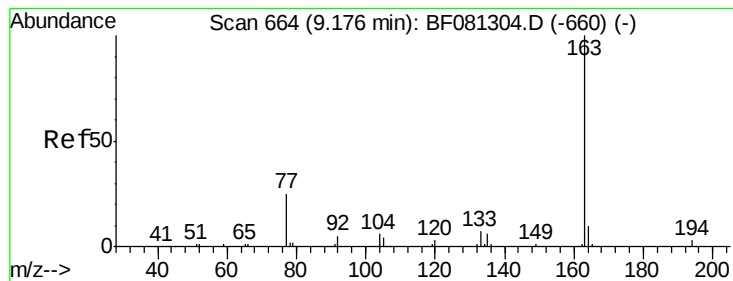
Tgt Ion: 330 Resp: 71987
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 114.8
 141 51.0 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 85.54 ng
 RT: 13.82 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: BF081578.D
 Acq: 10 Sep 2015 21:33

Tgt Ion: 172 Resp: 509284
 Ion Ratio Lower Upper
 172 100
 171 35.2 26.1 39.1
 170 23.3 17.4 26.2





#49

Dimethylphthalate

Concen: 20.01 ng

RT: 14.87 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

Instrument :

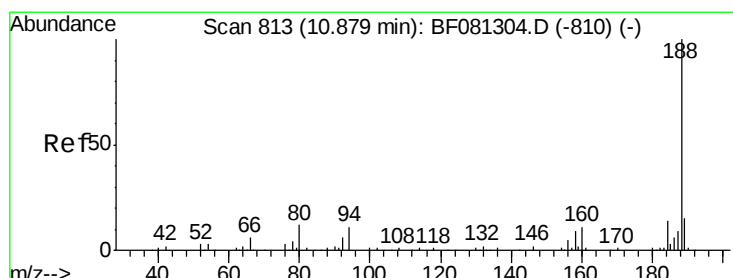
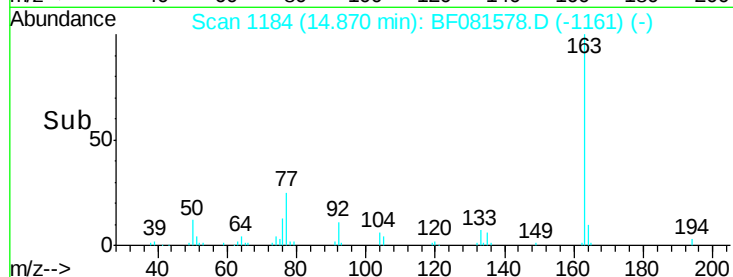
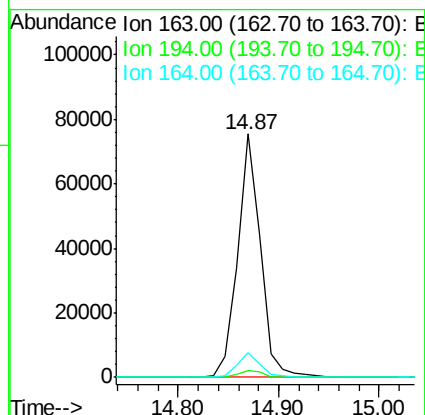
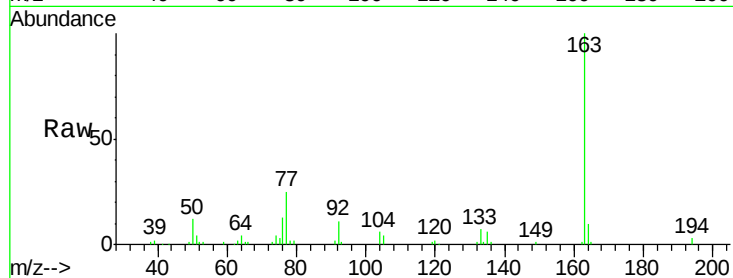
BNA_F

ClientSampleId :

TYB4(1.5-2)

Tgt Ion:163 Resp: 118629

Ion	Ratio	Lower	Upper
163	100		
194	3.0	4.4	6.6#
164	9.9	8.3	12.5



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.81 min Scan# 1529

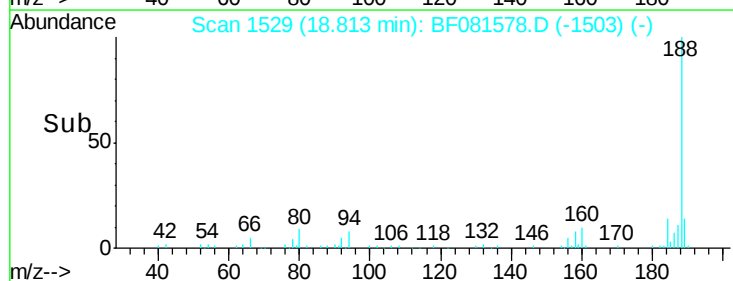
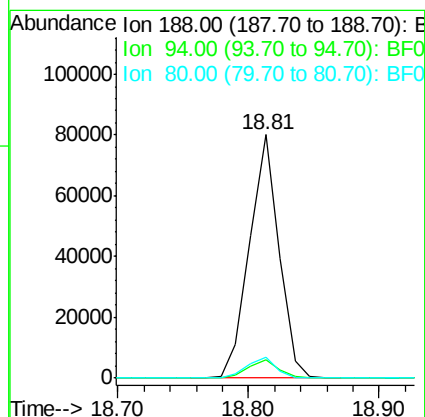
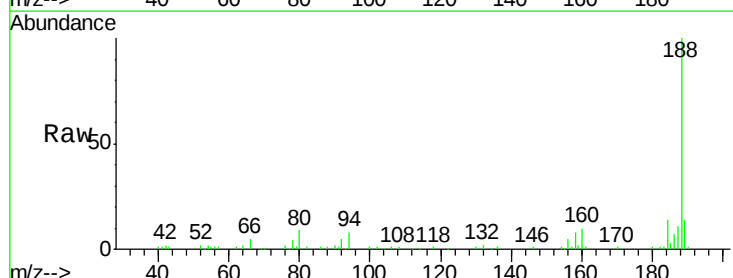
Delta R.T. -0.00 min

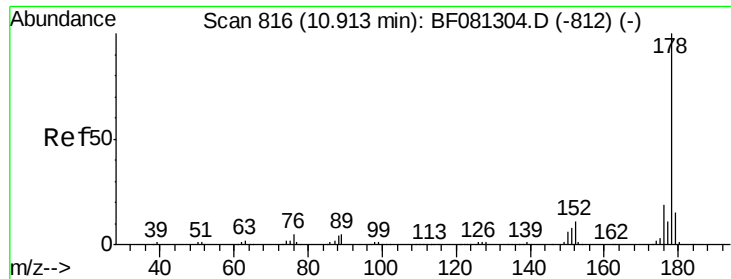
Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

Tgt Ion:188 Resp: 126575

Ion	Ratio	Lower	Upper
188	100		
94	7.7	11.1	16.7#
80	8.8	11.0	16.4#

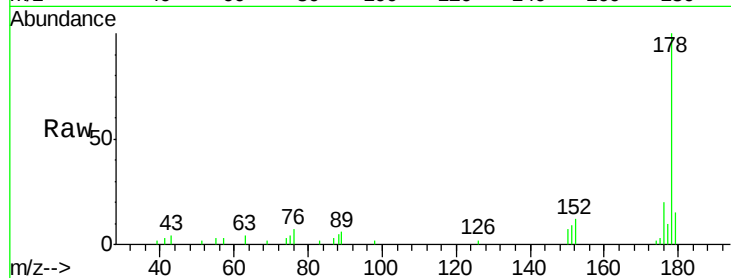




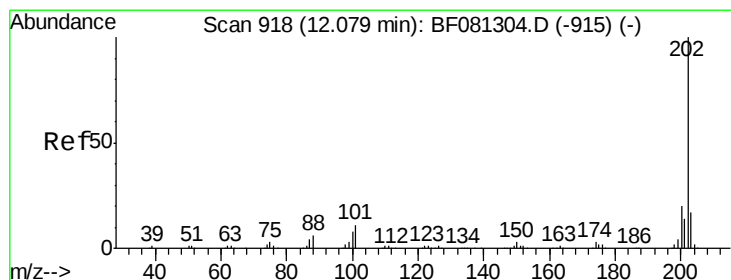
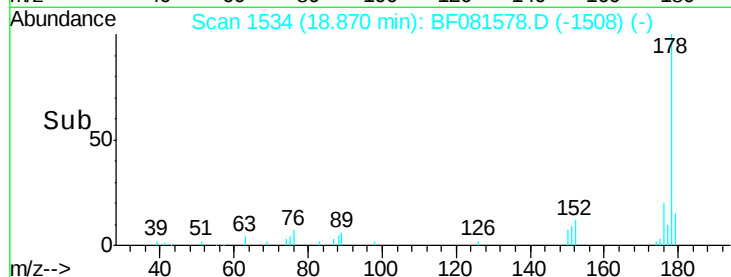
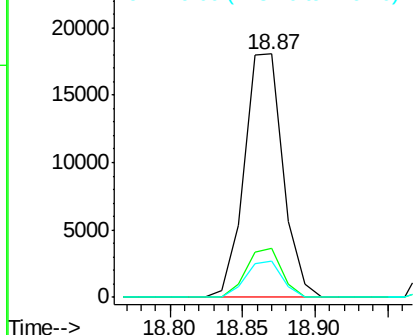
#70
Phenanthrene
Concen: 4.72 ng
RT: 18.87 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BF081578.D
Acq: 10 Sep 2015 21:33

Instrument :
BNA_F
ClientSampleId :
TYB4(1.5-2)

Tgt Ion:178 Resp: 33246
Ion Ratio Lower Upper
178 100
176 20.4 13.8 20.8
179 14.8 12.2 18.2

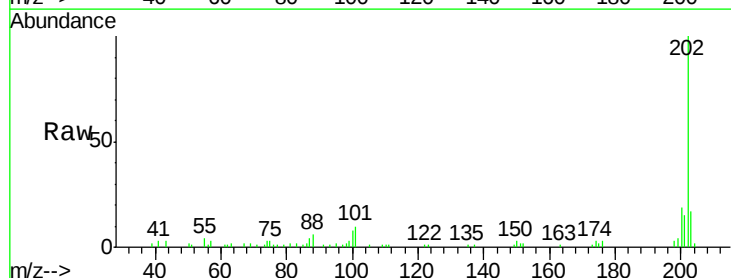


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

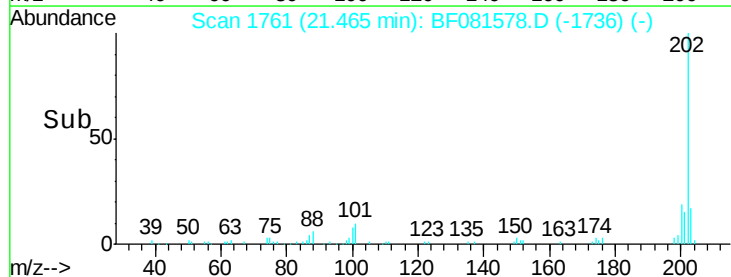
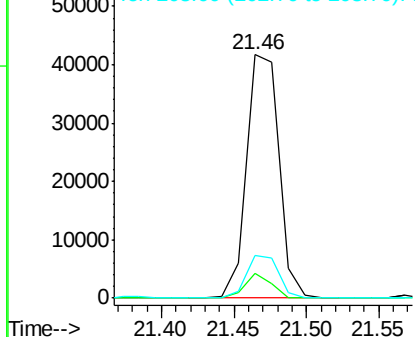


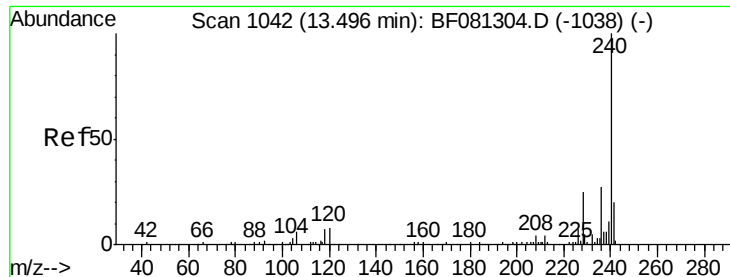
#74
Fluoranthene
Concen: 8.48 ng
RT: 21.46 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF081578.D
Acq: 10 Sep 2015 21:33

Tgt Ion:202 Resp: 64635
Ion Ratio Lower Upper
202 100
101 9.9 0.0 38.3
203 17.3 0.0 37.3



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: 23.42 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

Instrument :

BNA_F

ClientSampleId :

TYB4(1.5-2)

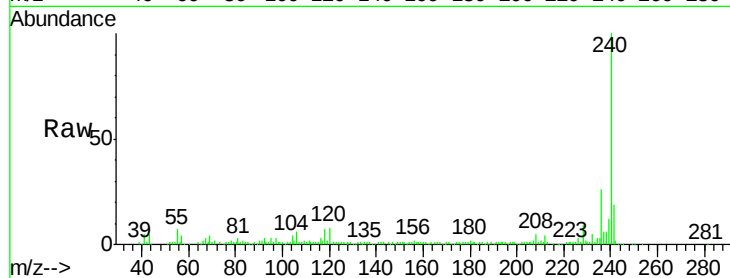
Tgt Ion:240 Resp: 93621

Ion Ratio Lower Upper

240 100

120 8.4 16.2 24.2#

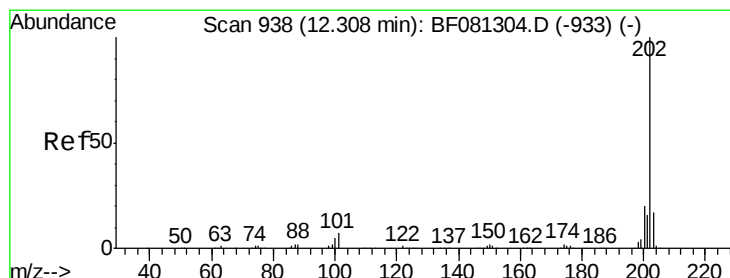
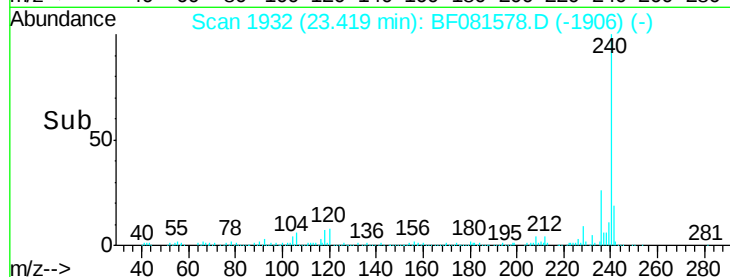
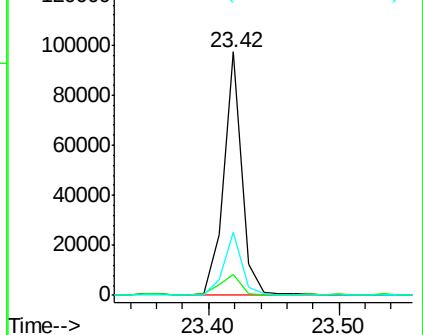
236 26.2 18.4 27.6



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: 8.49 ng

RT: 21.82 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

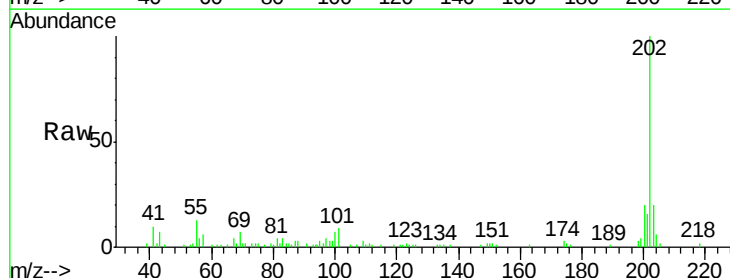
Tgt Ion:202 Resp: 58858

Ion Ratio Lower Upper

202 100

200 19.8 15.0 22.4

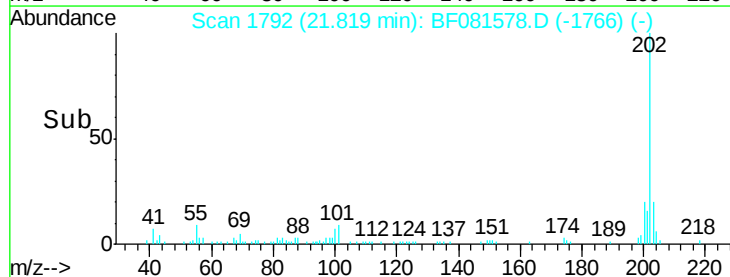
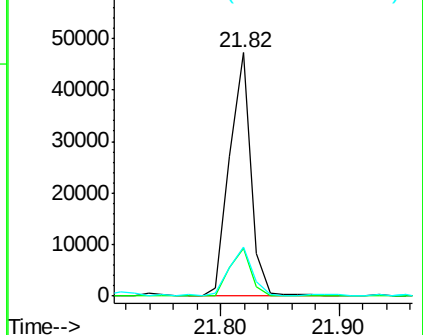
203 20.4 14.1 21.1



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: 72.63 ng

RT: 22.15 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

Instrument :

BNA_F

ClientSampleId :

TYB4(1.5-2)

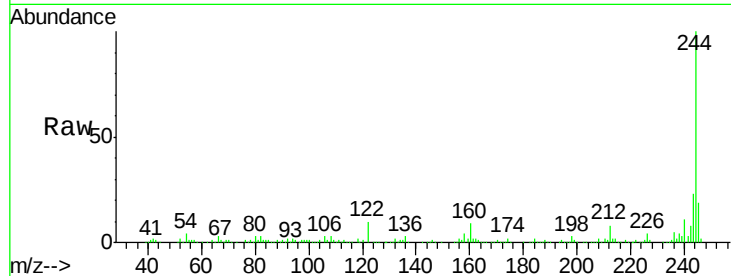
Tgt Ion:244 Resp: 292115

Ion Ratio Lower Upper

244 100

212 8.3 4.3 6.5#

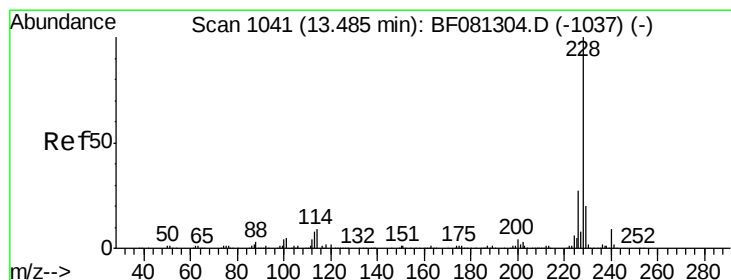
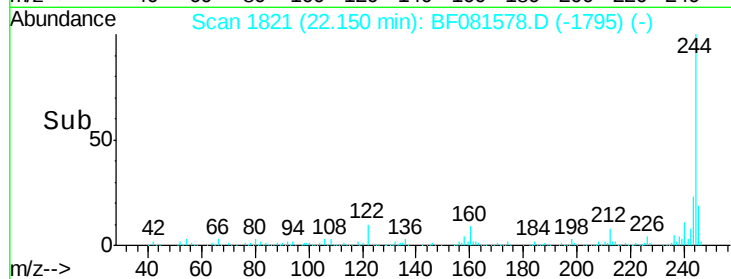
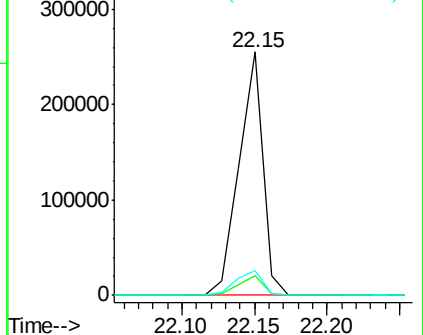
122 9.9 17.4 26.2#



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: 5.99 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

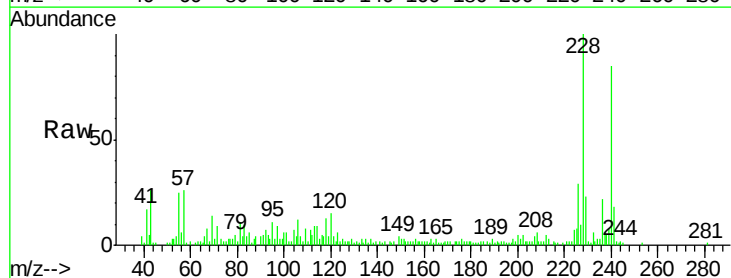
Tgt Ion:228 Resp: 35726

Ion Ratio Lower Upper

228 100

226 29.1 20.0 30.0

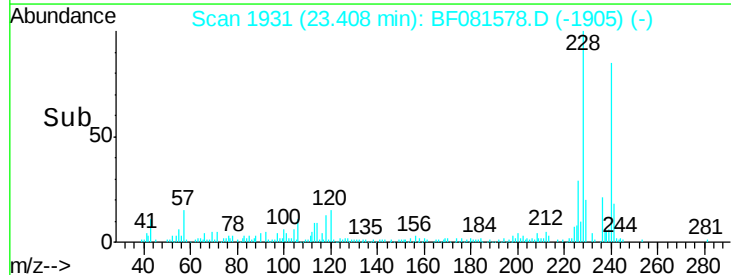
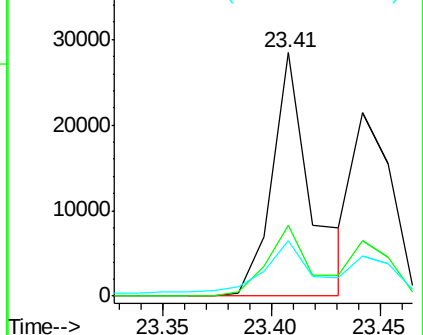
229 22.9 15.4 23.2

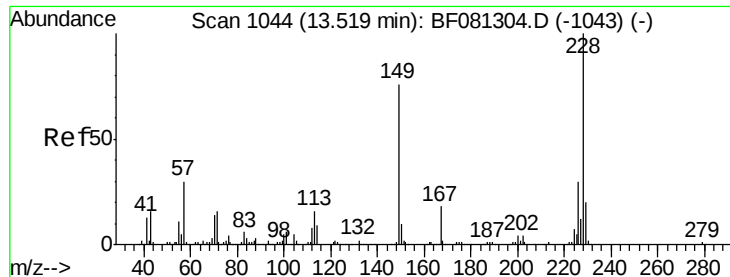


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

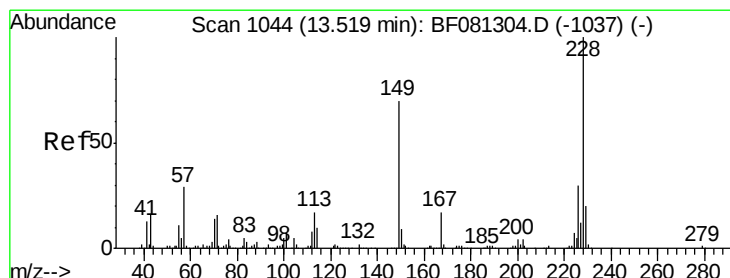
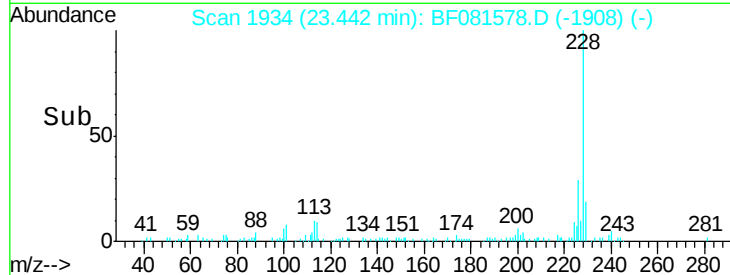
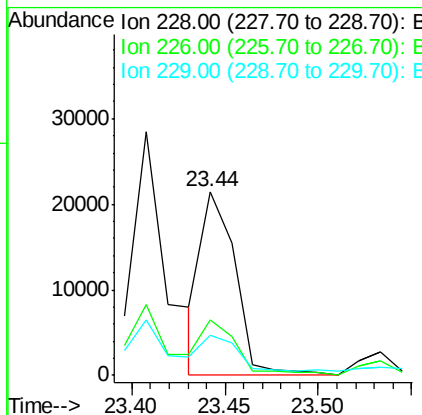
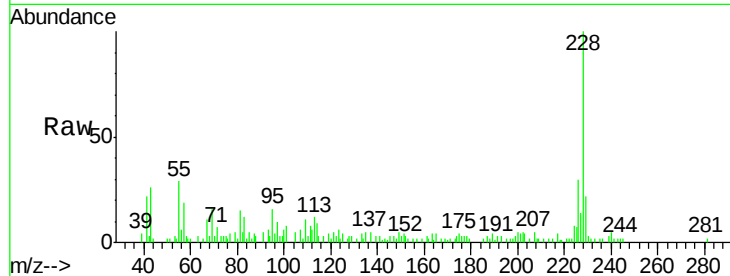




#82
Chrysene
 Concen: 5.07 ng
 RT: 23.44 min Scan# 1934
 Delta R.T. -0.00 min
 Lab File: BF081578.D
 Acq: 10 Sep 2015 21:33

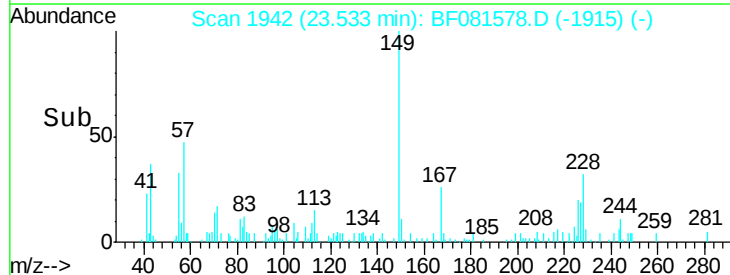
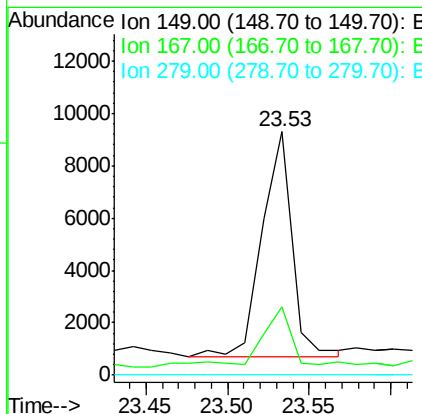
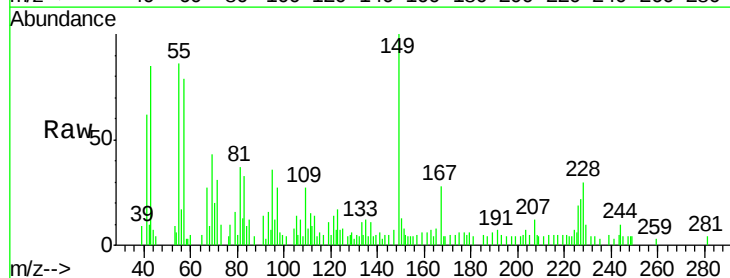
Instrument :
 BNA_F
 ClientSampleId :
 TYB4(1.5-2)

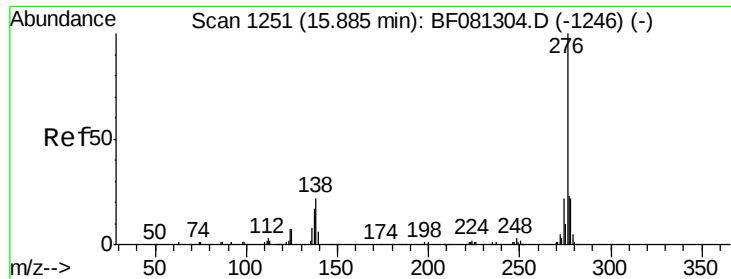
Tgt Ion:	228	Resp:	27113
Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.0	31.4
229	21.7	15.6	23.4



#83
Bis(2-ethylhexyl)phthalate
 Concen: 2.76 ng
 RT: 23.53 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: BF081578.D
 Acq: 10 Sep 2015 21:33

Tgt Ion:	149	Resp:	10995
Ion	Ratio	Lower	Upper
149	100		
167	28.1	24.2	36.2
279	0.0	3.8	5.6#

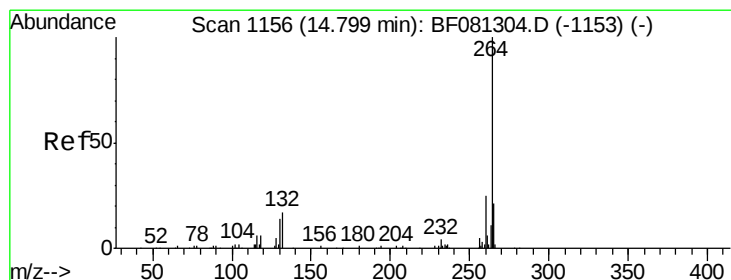
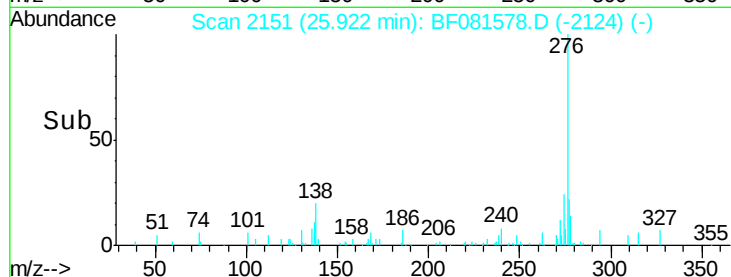
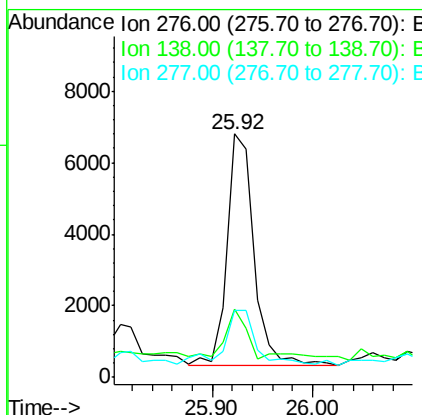
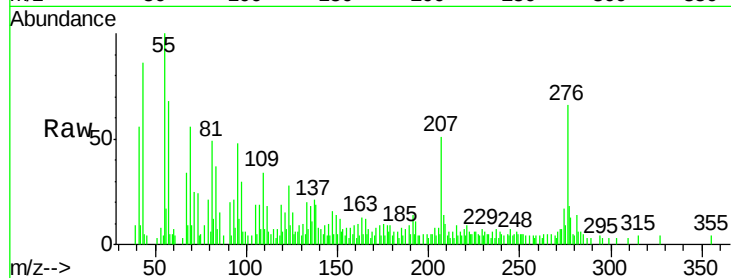




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.04 ng
 RT: 25.92 min Scan# 2151
 Delta R.T. 0.01 min
 Lab File: BF081578.D
 Acq: 10 Sep 2015 21:33

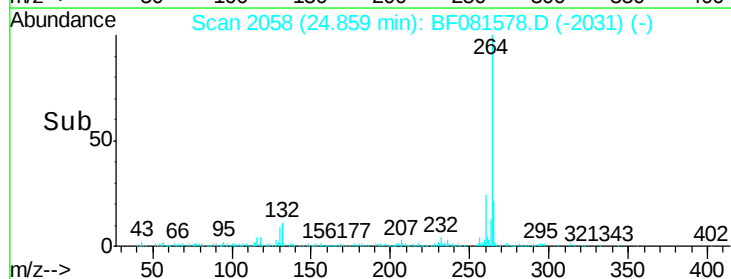
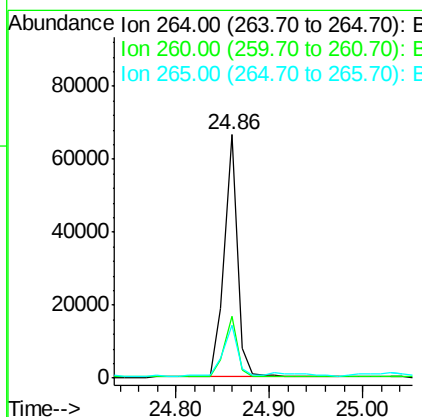
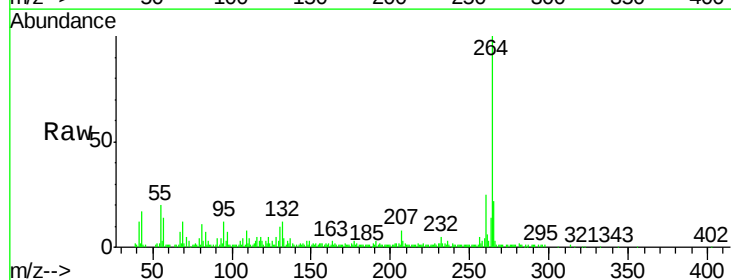
Instrument :
 BNA_F
 ClientSampleId :
 TYB4(1.5-2)

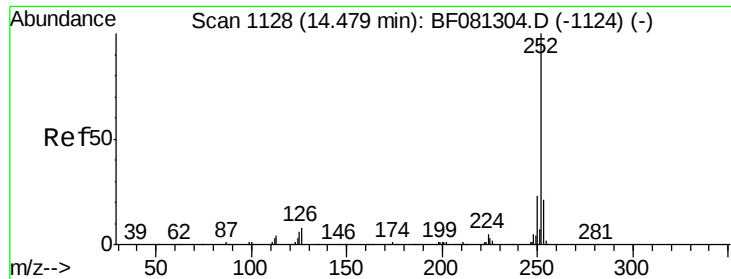
Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.0	25.7	38.5#
277	27.2	15.6	23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.86 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BF081578.D
 Acq: 10 Sep 2015 21:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	16.7	25.1#
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.23 ng m

RT: 24.52 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

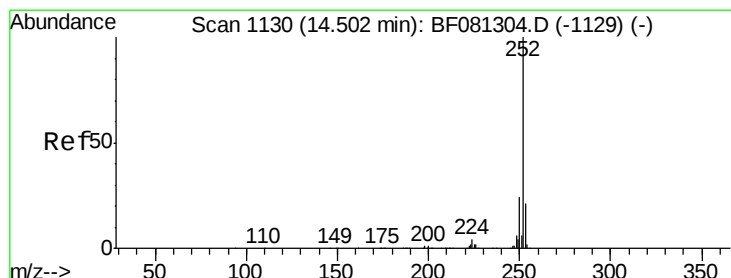
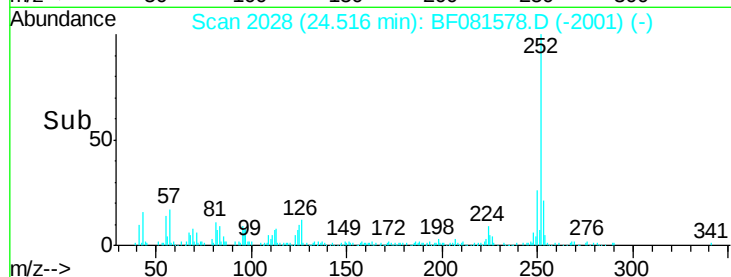
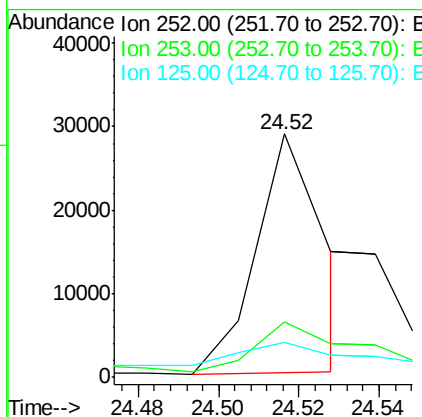
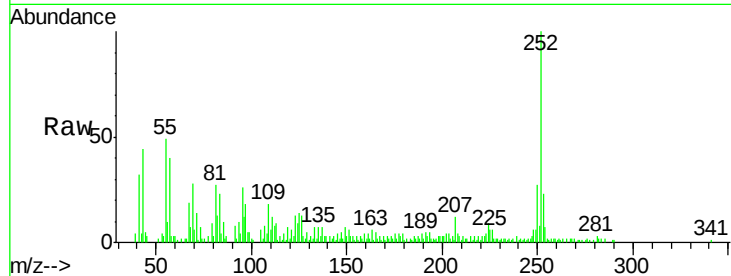
Instrument :

BNA_F

ClientSampleId :

TYB4(1.5-2)

Tgt Ion:	252	Resp:	33851
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	14.4	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 3.07 ng m

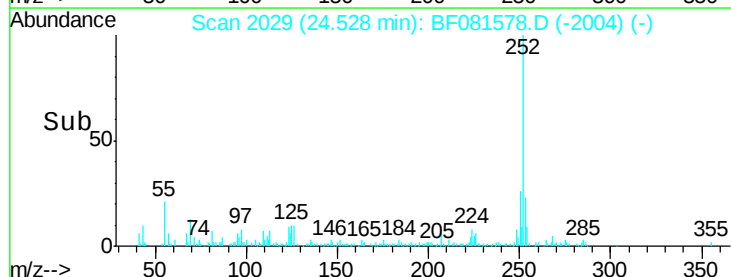
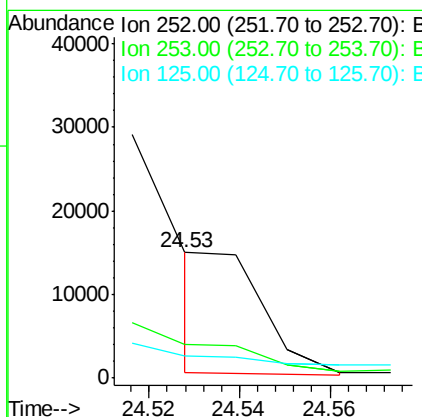
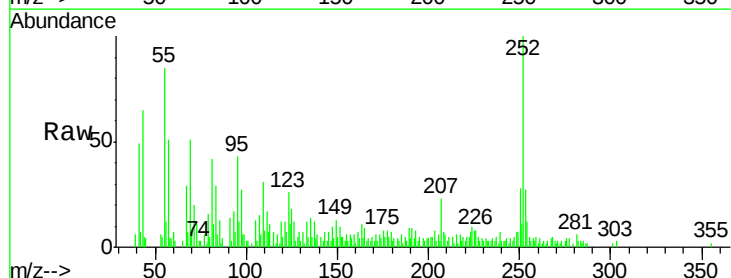
RT: 24.53 min Scan# 2029

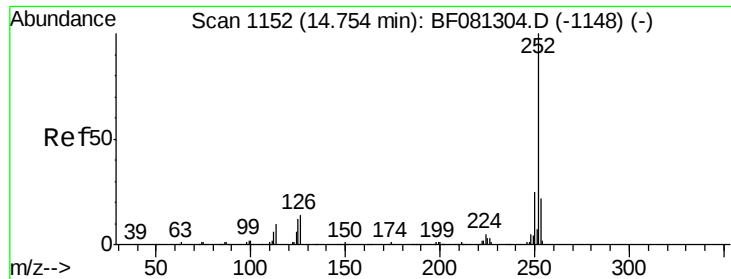
Delta R.T. -0.01 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

Tgt Ion:	252	Resp:	11909
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.0	25.4#
125	17.7	16.0	24.0





#89

Benzo(a)pyrene

Concen: 5.47 ng

RT: 24.81 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

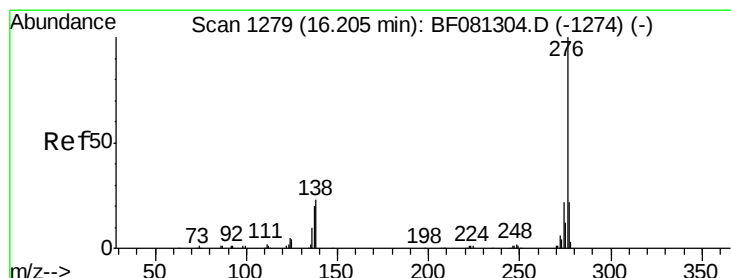
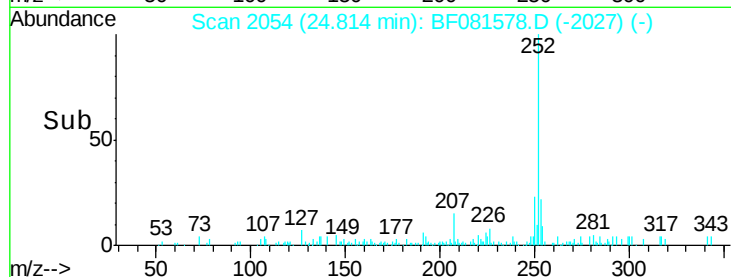
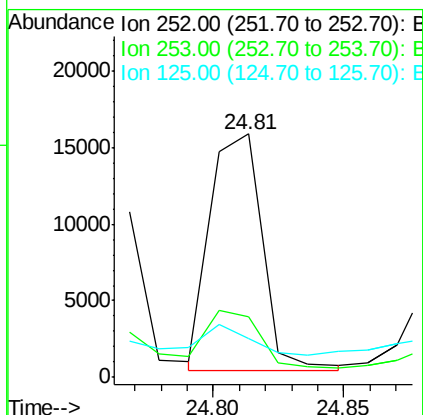
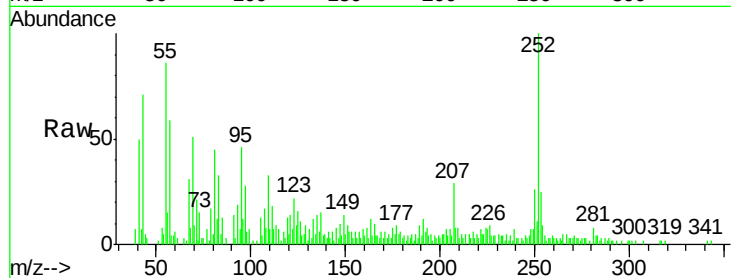
Instrument :

BNA_F

ClientSampleId :

TYB4(1.5-2)

Tgt Ion:	252	Resp:	21715
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.2	25.8
125	15.8	18.0	27.0#



#91

Benzo(g,h,i)perylene

Concen: 4.81 ng

RT: 26.24 min Scan# 2179

Delta R.T. 0.02 min

Lab File: BF081578.D

Acq: 10 Sep 2015 21:33

Tgt Ion:	276	Resp:	14071
Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.8	26.6
138	19.2	34.6	51.8#

