

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081577.D
 Acq On : 10 Sep 2015 20:57
 Operator : UM/IZ
 Sample : G3590-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TYB3(1.5-2)

Quant Time: Sep 11 00:44:52 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	49923	20.00	ng	0.00
21) Naphthalene-d8	11.17	136	182908	20.00	ng	0.00
38) Acenaphthene-d10	15.29	164	76348	20.00	ng	-0.01
63) Phenanthrene-d10	18.81	188	128810	20.00	ng	0.00
75) Chrysene-d12	23.42	240	90317	20.00	ng	0.00
86) Perylene-d12	24.86	264	51073	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	355763	110.56	ng	0.01
7) Phenol-d6	7.70	99	488013	114.58	ng	0.01
23) Nitrobenzene-d5	9.57	82	318236	83.94	ng	0.00
41) 2,4,6-Tribromophenol	17.20	330	69357	102.02	ng	-0.01
44) 2-Fluorobiphenyl	13.81	172	509450	85.51	ng	-0.01
78) Terphenyl-d14	22.15	244	340756	87.83	ng	0.00

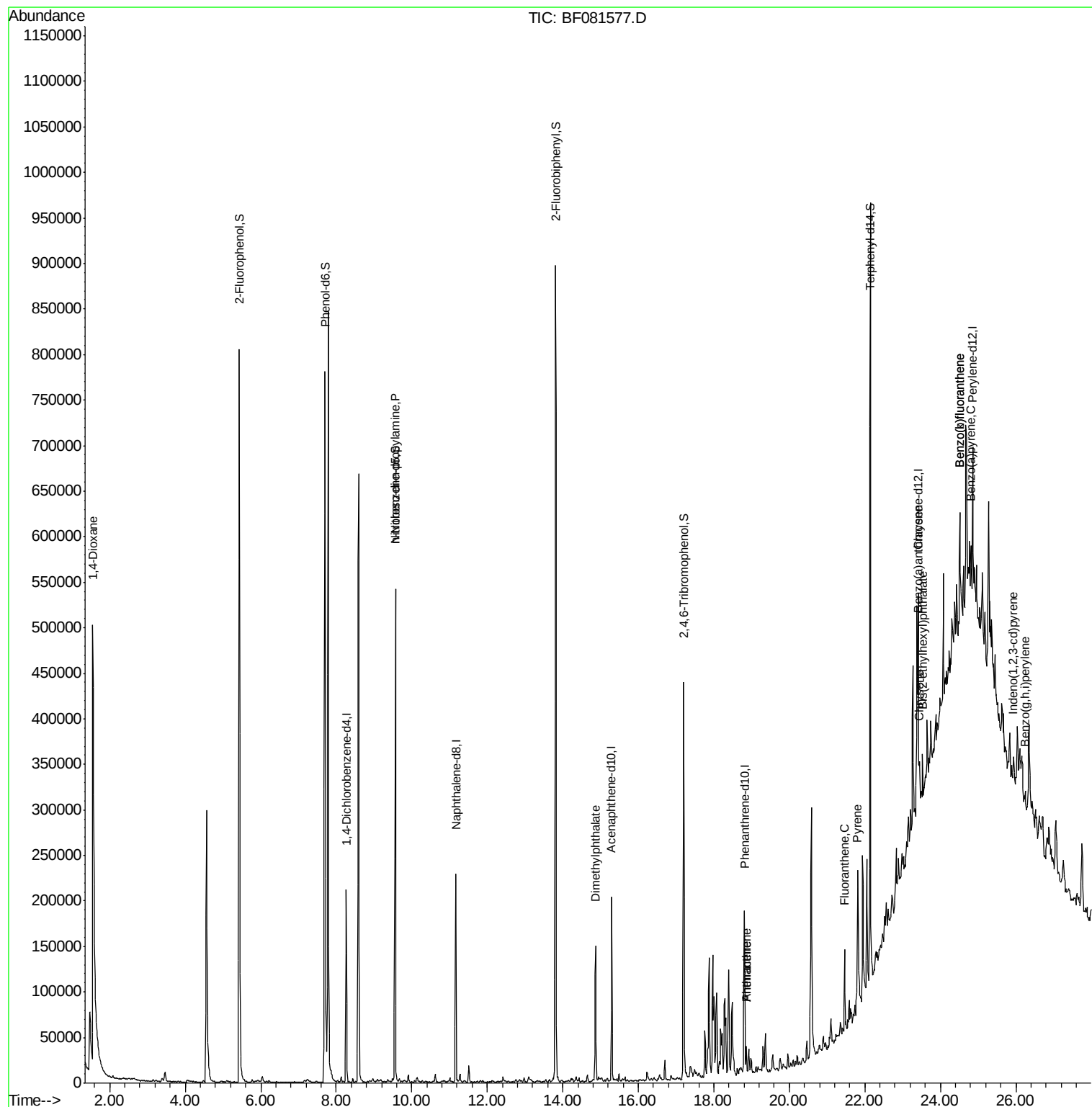
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.55	88	27333	18.91	ng	# 11
19) n-Nitroso-di-n-propylamine	9.57	70	42462	14.65	ng	# 67
49) Dimethylphthalate	14.87	163	98306	16.57	ng	# 97
70) Phenanthrene	18.86	178	17154	2.40	ng	94
71) Anthracene	18.86	178	17154	2.33	ng	95
74) Fluoranthene	21.46	202	49269	6.36	ng	88
77) Pyrene	21.81	202	45435	6.79	ng	97
80) Benzo(a)anthracene	23.41	228	19165	3.33	ng	# 84
82) Chrysene	23.44	228	24362	4.73	ng	# 86
83) Bis(2-ethylhexyl)phthalate	23.53	149	10249	2.67	ng	95
85) Indeno(1,2,3-cd)pyrene	25.93	276	12021	3.18	ng	# 74
87) Benzo(b)fluoranthene	24.52	252	35608	9.77	ng	# 92
88) Benzo(k)fluoranthene	24.52	252	34908	11.54	ng	# 90
89) Benzo(a)pyrene	24.81	252	15238	4.93	ng	# 78
91) Benzo(g,h,i)perylene	26.25	276	13161	5.78	ng	# 79

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

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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: BF081577.D

Acq: 10 Sep 2015 20:57

Instrument :

BNA_F

ClientSampleId :

TYB3(1.5-2)

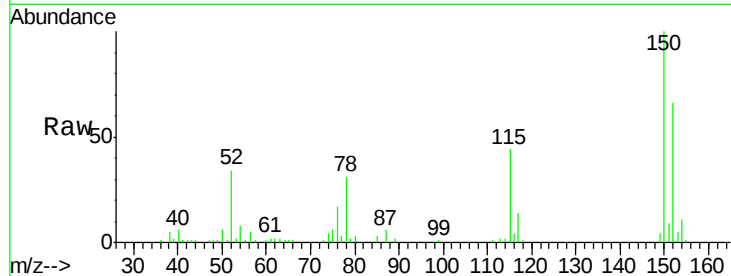
Tgt Ion:152 Resp: 49923

Ion Ratio Lower Upper

152 100

150 151.1 124.7 187.1

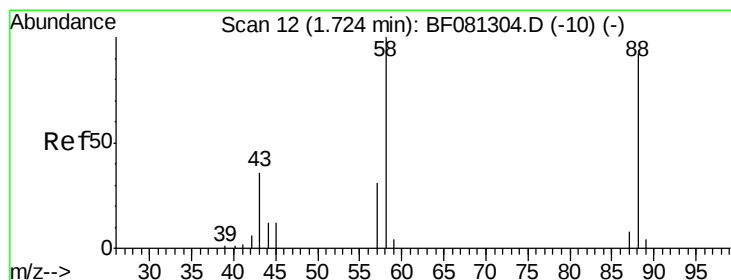
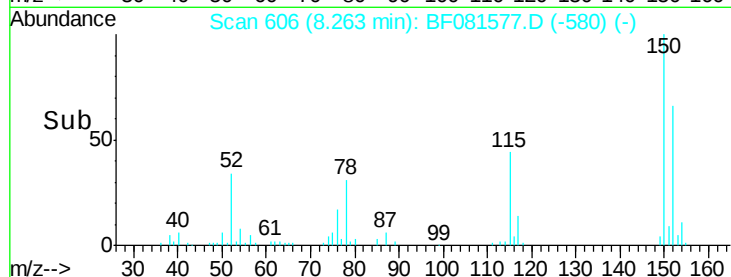
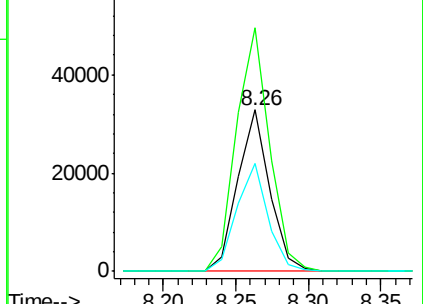
115 67.0 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 18.91 ng

RT: 1.55 min Scan# 19

Delta R.T. -0.05 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

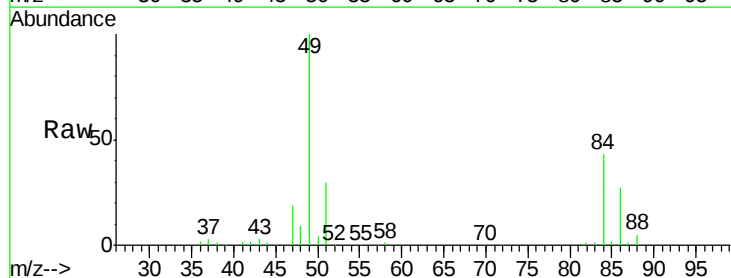
Tgt Ion: 88 Resp: 27333

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

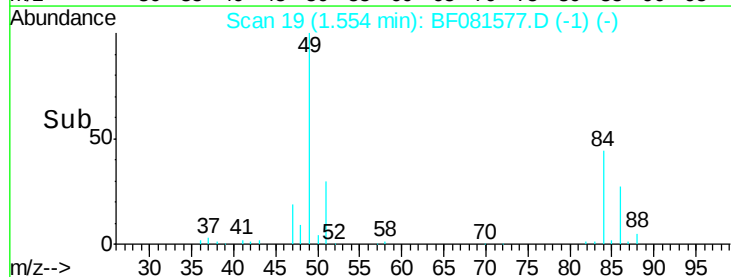
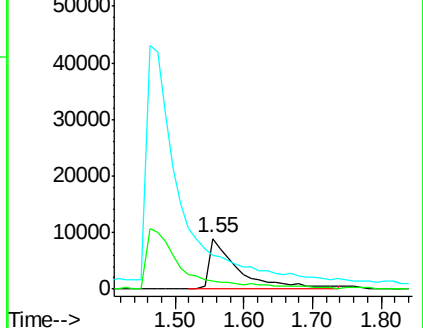
43 0.0 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 110.56 ng

RT: 5.43 min Scan# 358

Delta R.T. 0.01 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

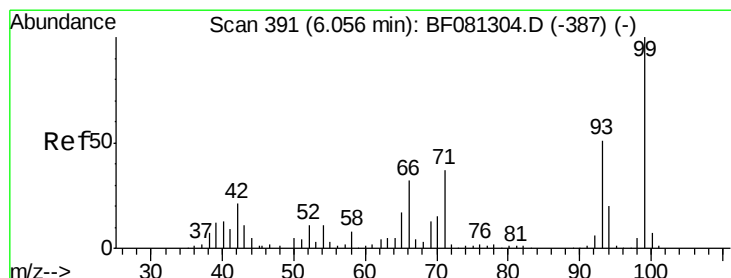
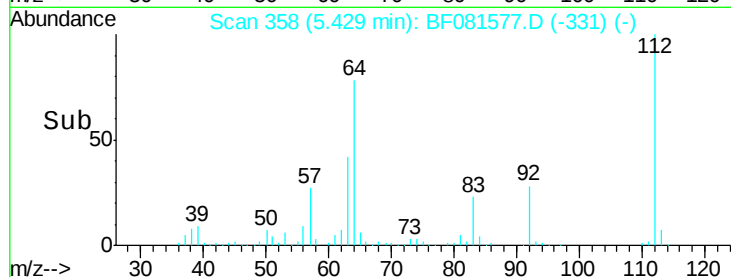
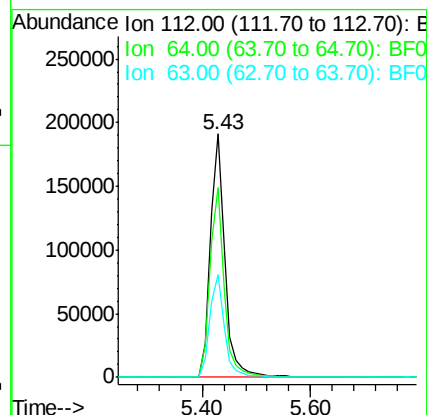
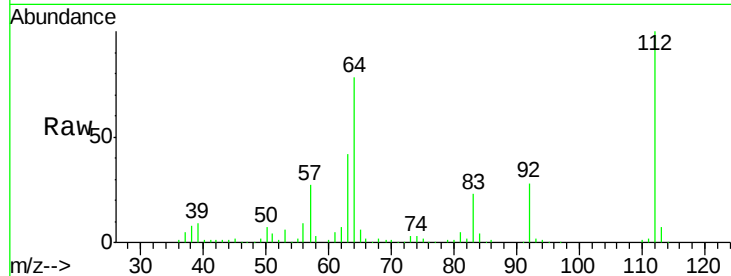
Instrument :

BNA_F

ClientSampleId :

TYB3(1.5-2)

Tgt Ion:	112	Resp:	355763
Ion	Ratio	Lower	Upper
112	100		
64	78.0	39.7	59.5#
63	42.2	17.4	26.0#



#7

Phenol-d6

Concen: 114.58 ng

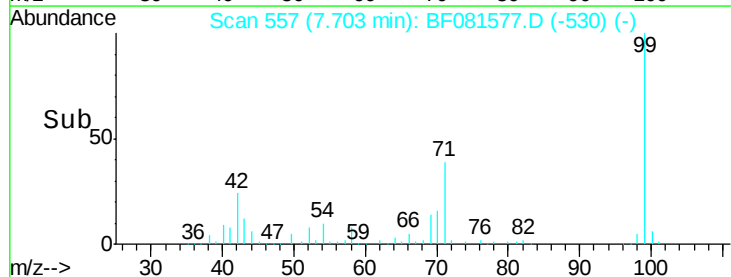
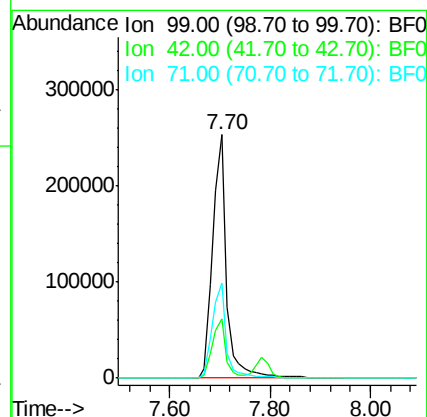
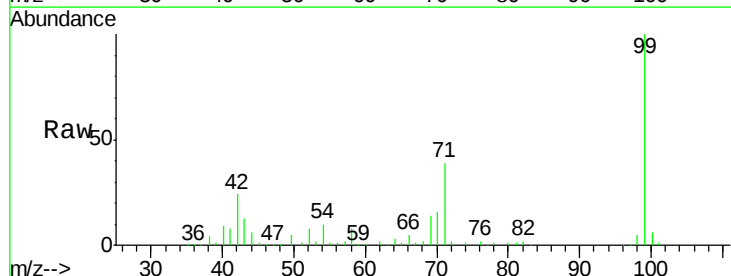
RT: 7.70 min Scan# 557

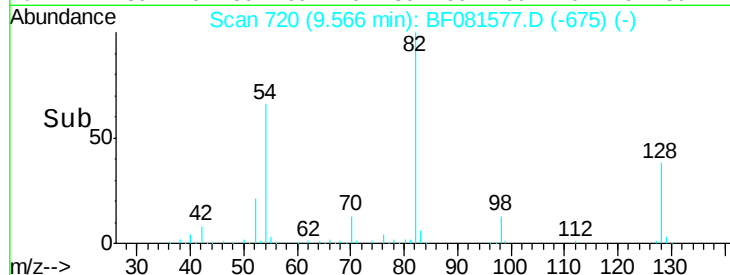
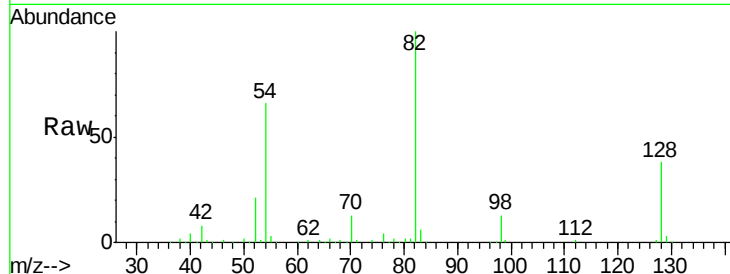
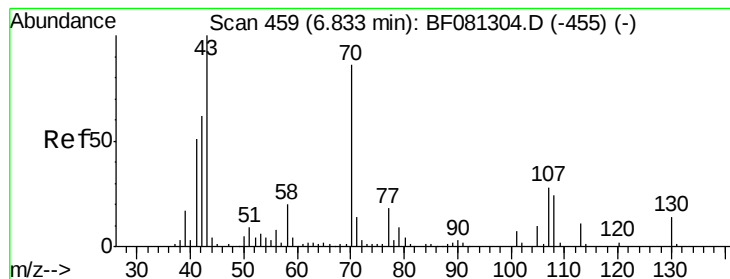
Delta R.T. 0.01 min

Lab File: BF081577.D

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Tgt Ion:	99	Resp:	488013
Ion	Ratio	Lower	Upper
99	100		
42	24.3	13.7	20.5#
71	39.0	14.2	21.2#





#19

n-Nitroso-di-n-propylamine

Concen: 14.65 ng

RT: 9.57 min Scan# 720

Delta R.T. 0.22 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

Instrument :

BNA_F

ClientSampleId :

TYB3(1.5-2)

Tgt Ion: 70 Resp: 42462

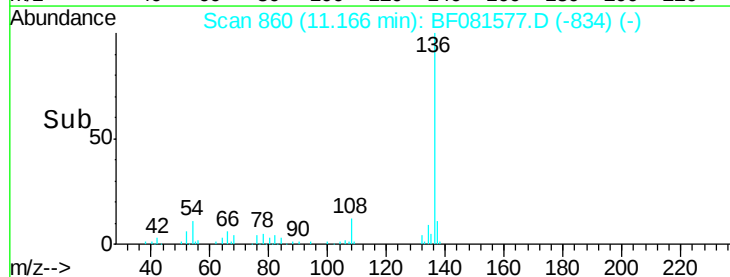
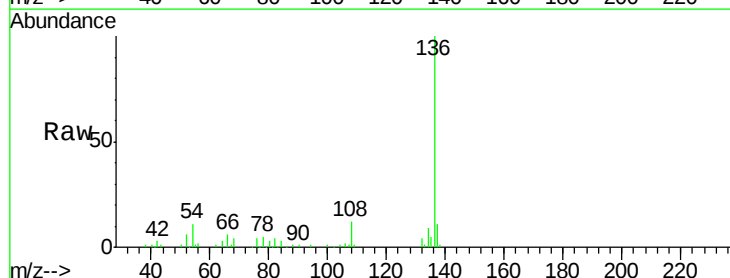
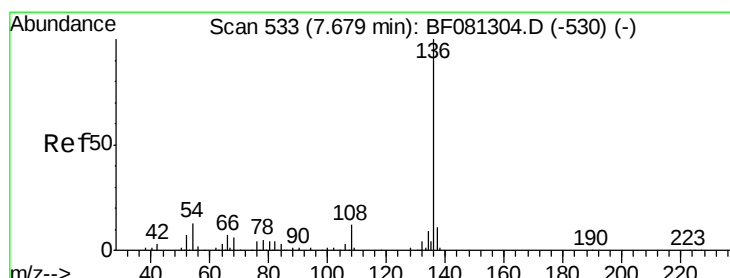
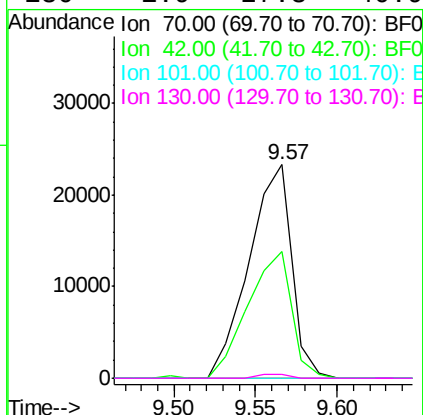
Ion Ratio Lower Upper

70 100

42 59.1 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.17 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

Tgt Ion: 136 Resp: 182908

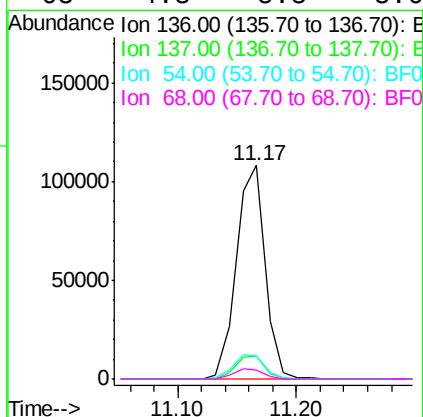
Ion Ratio Lower Upper

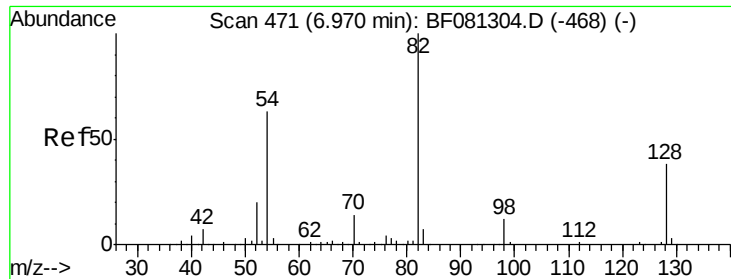
136 100

137 10.5 9.0 13.6

54 10.8 8.2 12.2

68 4.3 5.8 8.6#

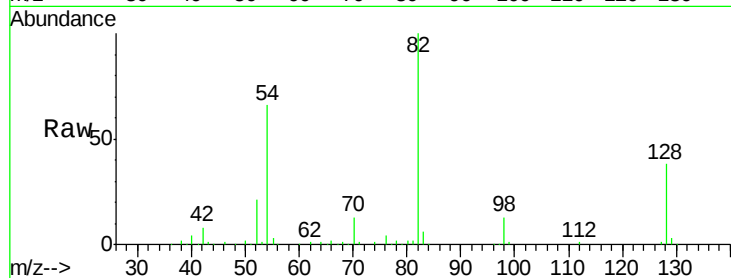




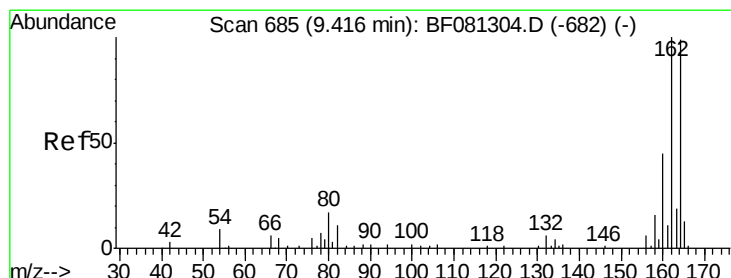
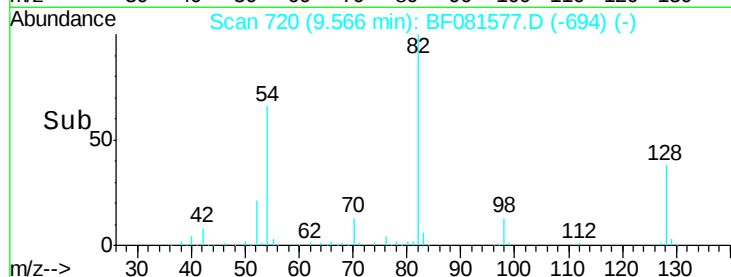
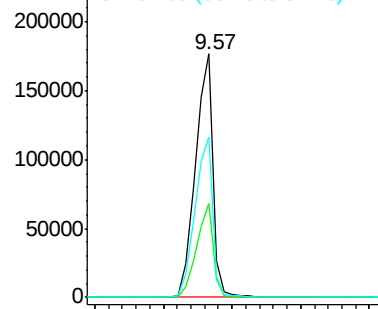
#23
 Nitrobenzene-d5
 Concen: 83.94 ng
 RT: 9.57 min Scan# 720
 Delta R.T. -0.00 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

Instrument :
 BNA_F
 ClientSampleId :
 TYB3(1.5-2)

Tgt Ion: 82 Resp: 318236
 Ion Ratio Lower Upper
 82 100
 128 38.3 51.0 76.6#
 54 65.8 47.5 71.3

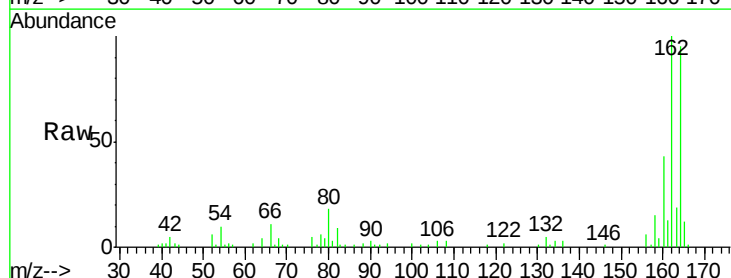


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

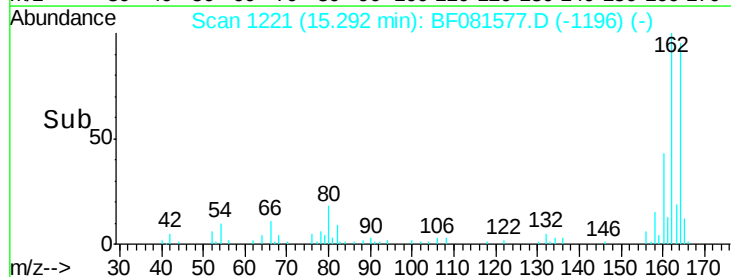
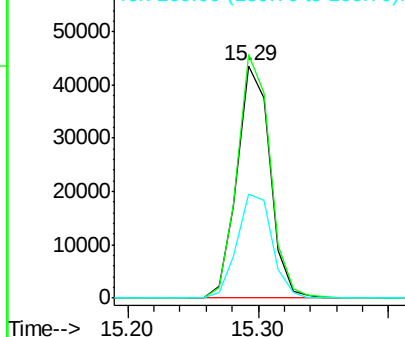


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

Tgt Ion: 164 Resp: 76348
 Ion Ratio Lower Upper
 164 100
 162 104.9 75.2 112.8
 160 45.0 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

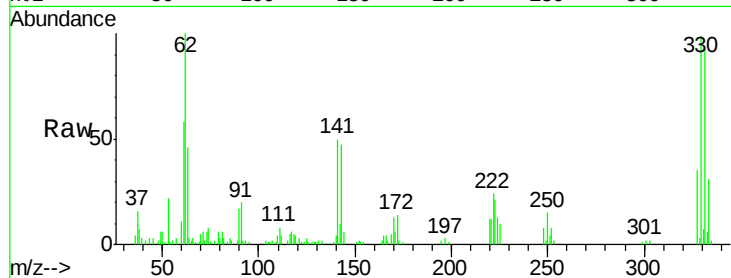




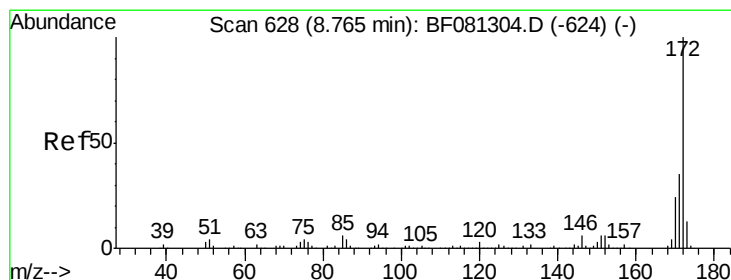
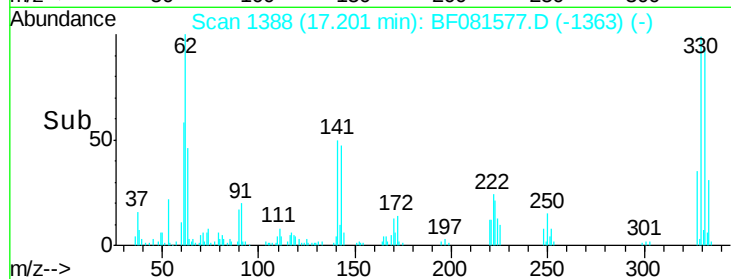
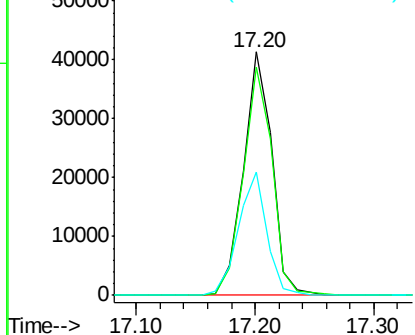
#41
 2,4,6-Tribromophenol
 Concen: 102.02 ng
 RT: 17.20 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

Instrument :
 BNA_F
 ClientSampleId :
 TYB3(1.5-2)

Tgt Ion:330 Resp: 69357
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 114.8
 141 50.3 29.7 44.5#

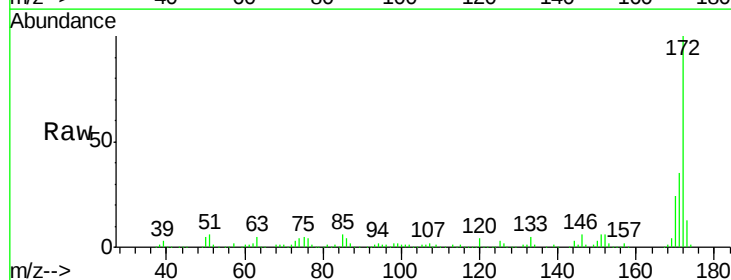


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

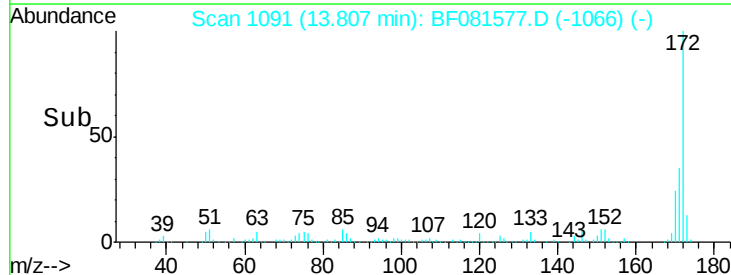
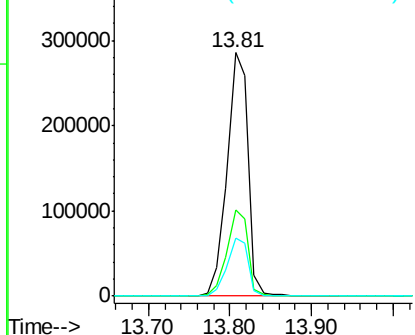


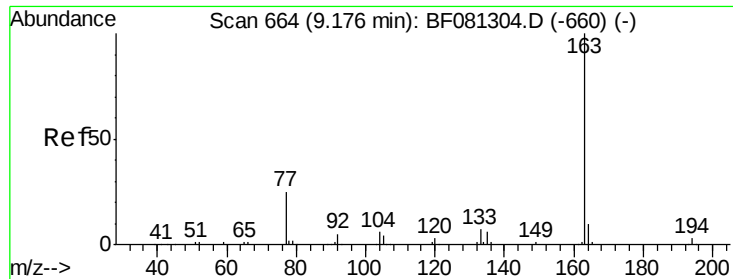
#44
 2-Fluorobiphenyl
 Concen: 85.51 ng
 RT: 13.81 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

Tgt Ion:172 Resp: 509450
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 23.7 17.4 26.2



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: 16.57 ng

RT: 14.87 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

Instrument :

BNA_F

ClientSampleId :

TYB3(1.5-2)

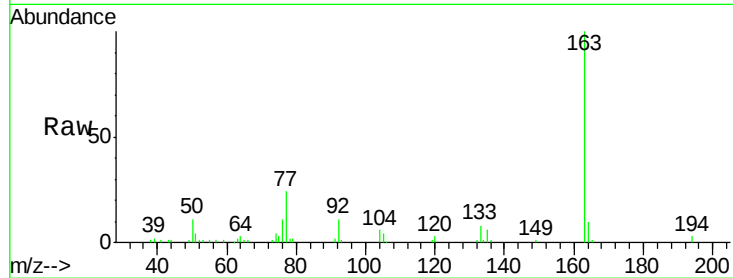
Tgt Ion:163 Resp: 98306

Ion Ratio Lower Upper

163 100

194 3.4 4.4 6.6#

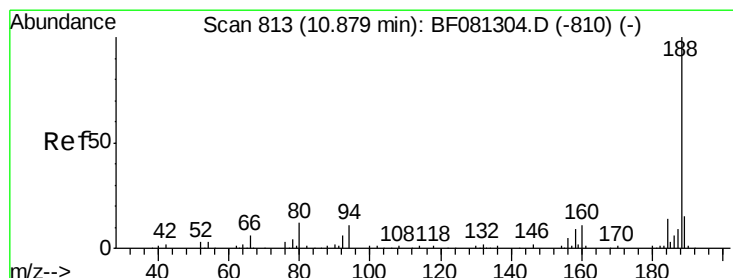
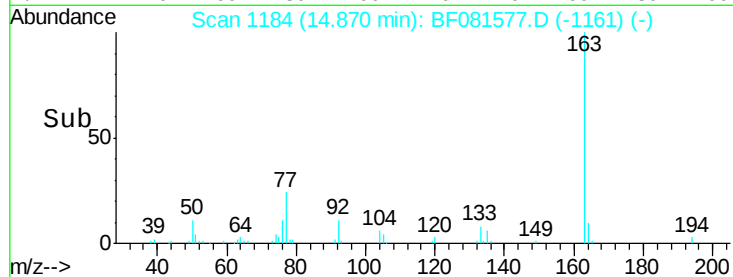
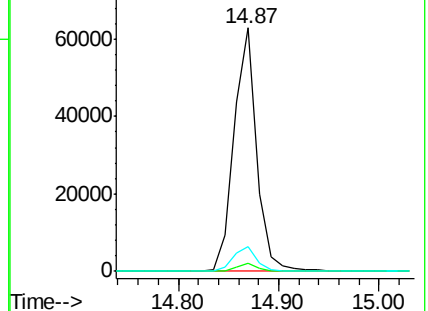
164 9.9 8.3 12.5



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: 18.81 min Scan# 1529

Delta R.T. -0.00 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

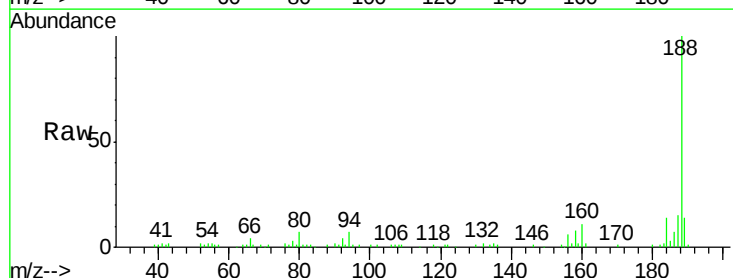
Tgt Ion:188 Resp: 128810

Ion Ratio Lower Upper

188 100

94 7.0 11.1 16.7#

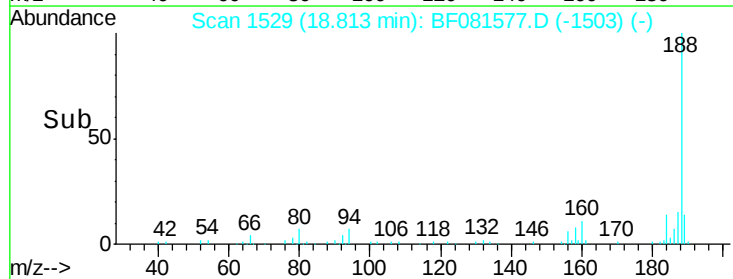
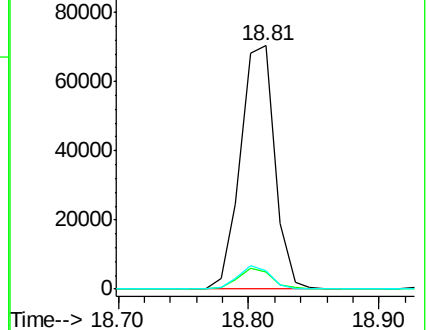
80 7.4 11.0 16.4#

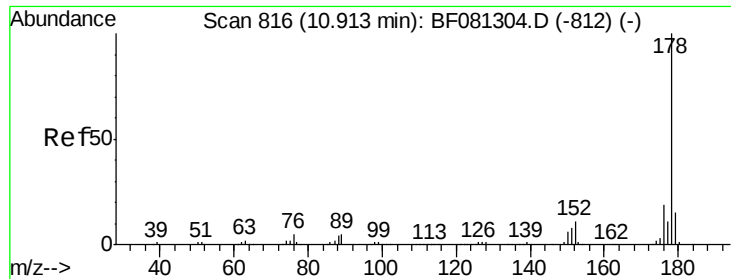


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

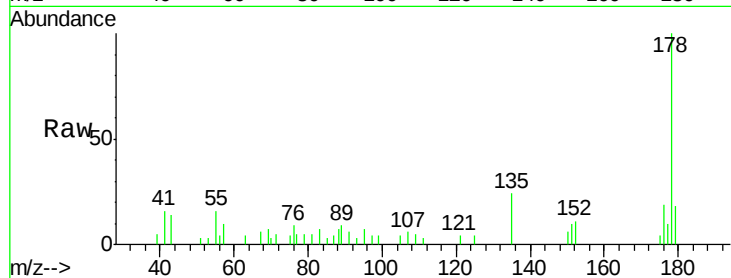




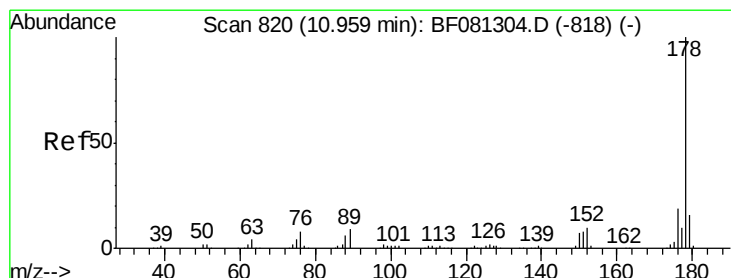
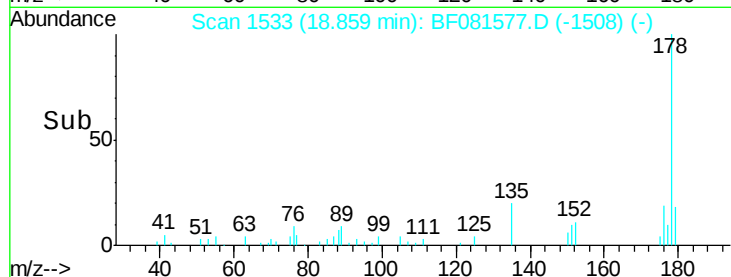
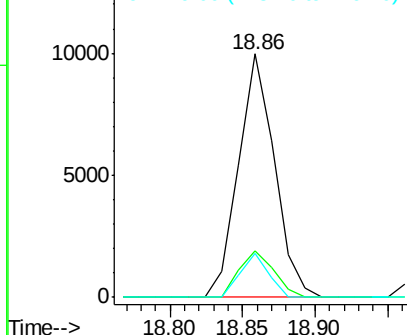
#70
 Phenanthrene
 Concen: 2.40 ng
 RT: 18.86 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

Instrument :
 BNA_F
 ClientSampleId :
 TYB3(1.5-2)

Tgt Ion:178 Resp: 17154
 Ion Ratio Lower Upper
 178 100
 176 19.3 13.8 20.8
 179 18.0 12.2 18.2

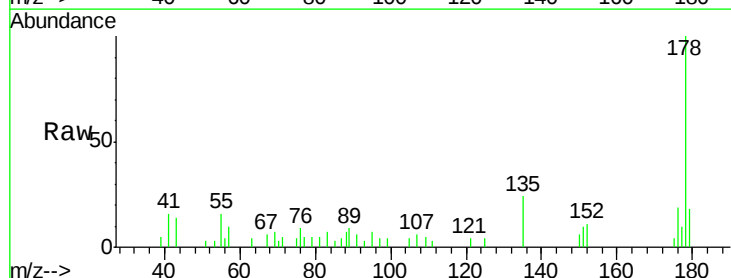


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

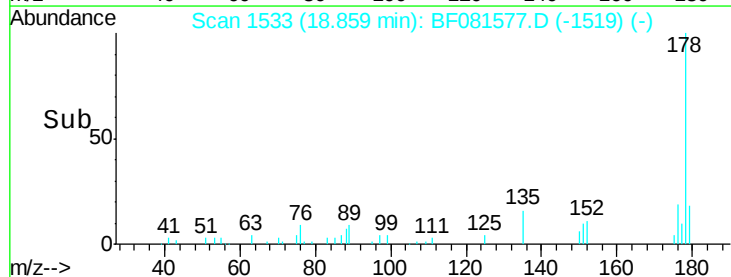
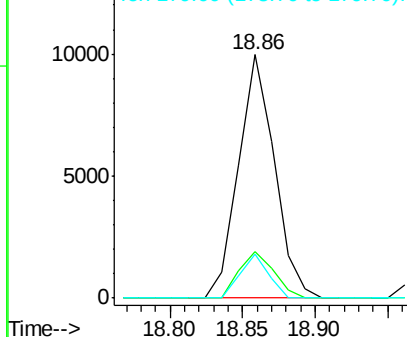


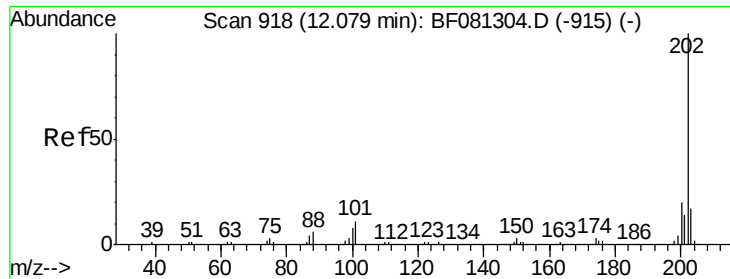
#71
 Anthracene
 Concen: 2.33 ng
 RT: 18.86 min Scan# 1533
 Delta R.T. -0.14 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

Tgt Ion:178 Resp: 17154
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.1 21.1
 179 18.0 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

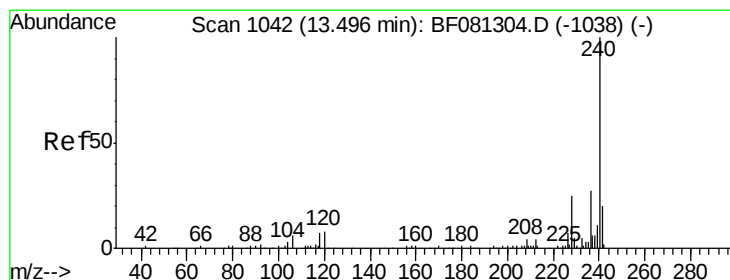
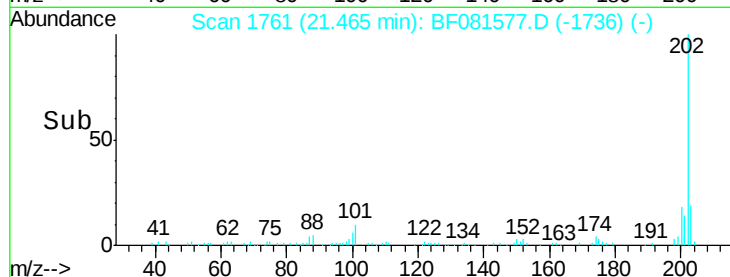
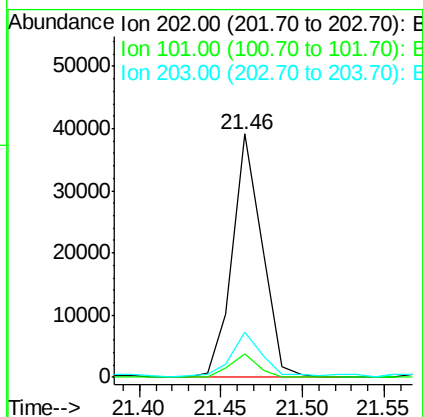
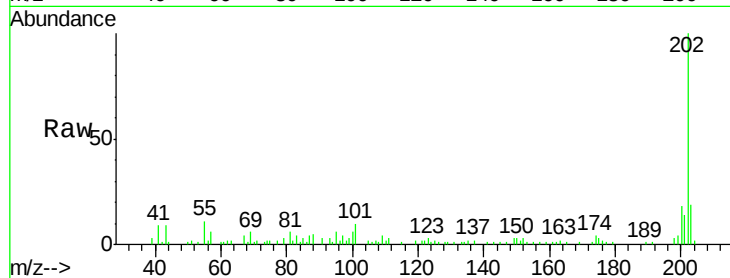




#74
 Fluoranthene
 Concen: 6.36 ng
 RT: 21.46 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

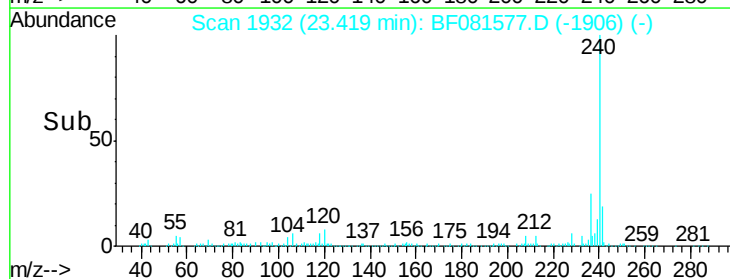
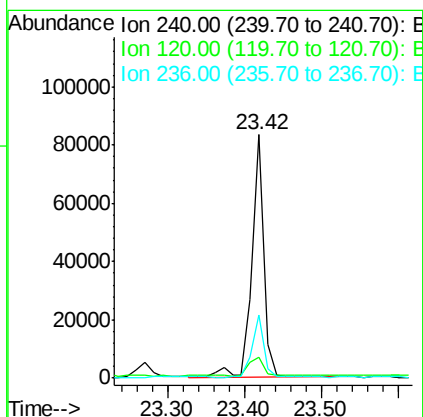
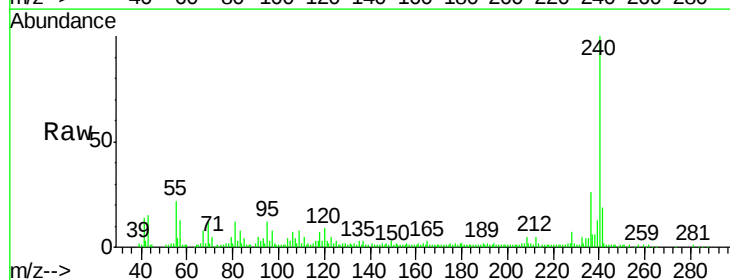
Instrument :
 BNA_F
 ClientSampleId :
 TYB3(1.5-2)

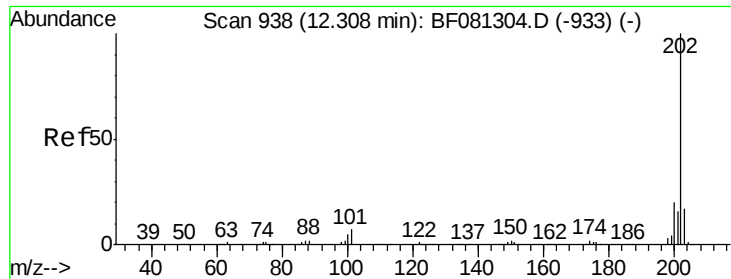
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	49269		
101	9.6	0.0	38.3	
203	18.7	0.0	37.3	



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.42 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	90317		
120	8.8	16.2	24.2#	
236	25.8	18.4	27.6	





#77

Pyrene

Concen: 6.79 ng

RT: 21.81 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

Instrument :

BNA_F

ClientSampleId :

TYB3(1.5-2)

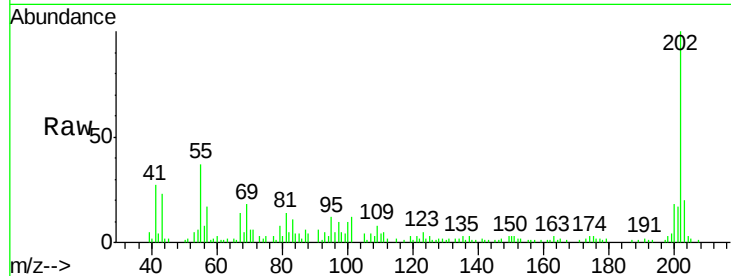
Tgt Ion: 202 Resp: 45435

Ion Ratio Lower Upper

202 100

200 18.4 15.0 22.4

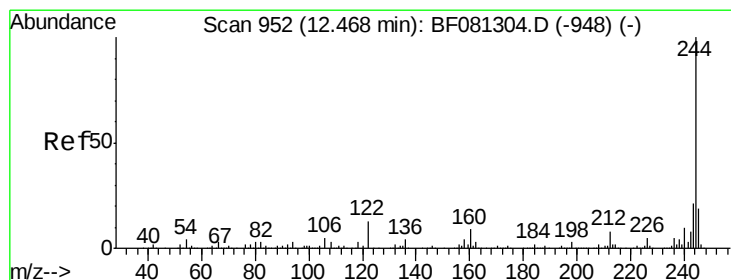
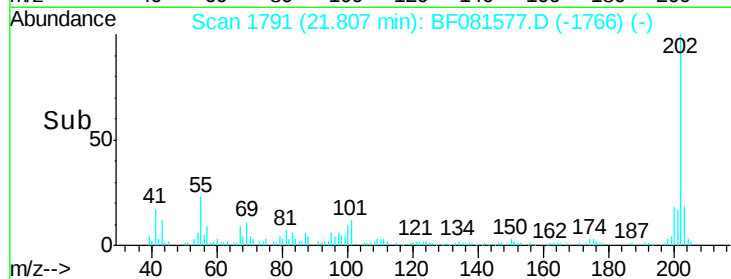
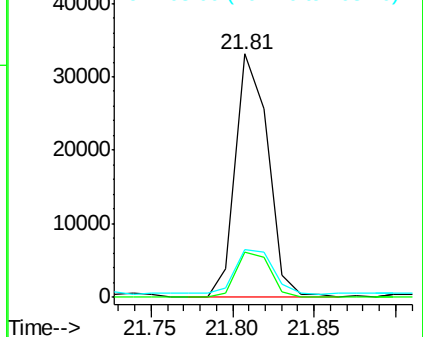
203 19.8 14.1 21.1



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: 87.83 ng

RT: 22.15 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

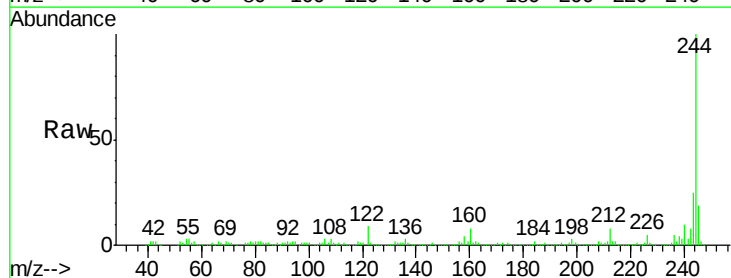
Tgt Ion: 244 Resp: 340756

Ion Ratio Lower Upper

244 100

212 8.1 4.3 6.5#

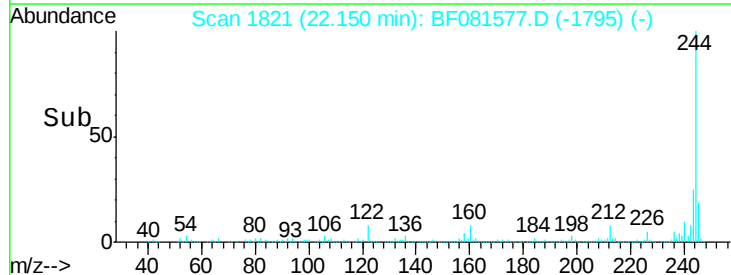
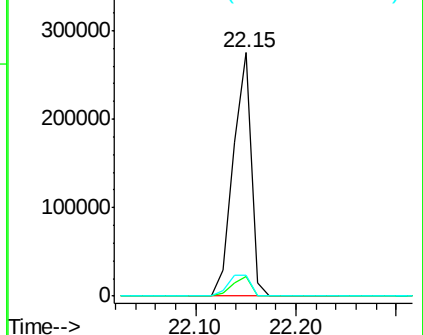
122 8.6 17.4 26.2#

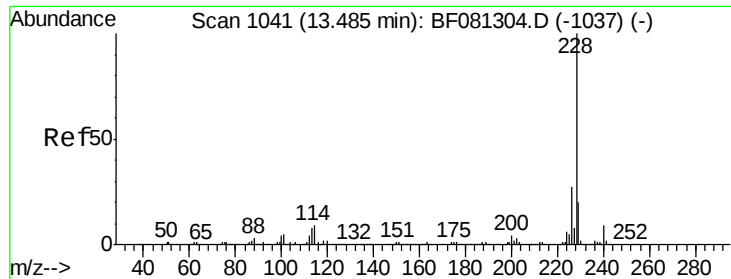


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.33 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

Instrument :

BNA_F

ClientSampleId :

TYB3(1.5-2)

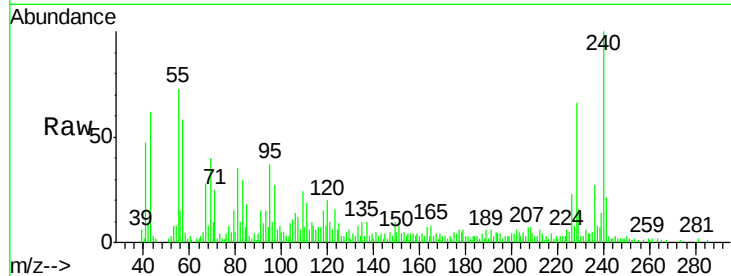
Tgt Ion:228 Resp: 19165

Ion Ratio Lower Upper

228 100

226 34.9 20.0 30.0#

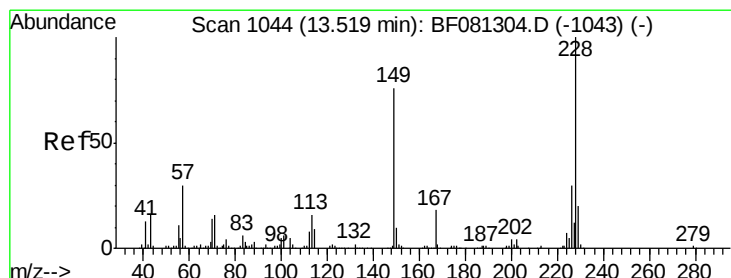
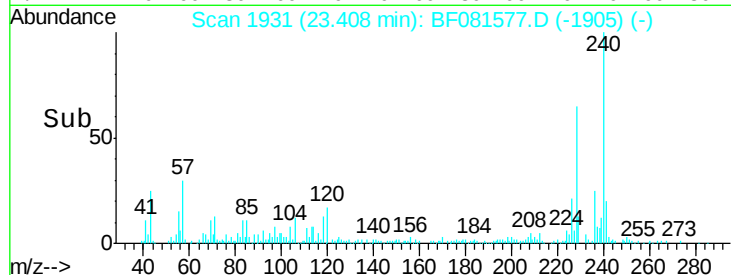
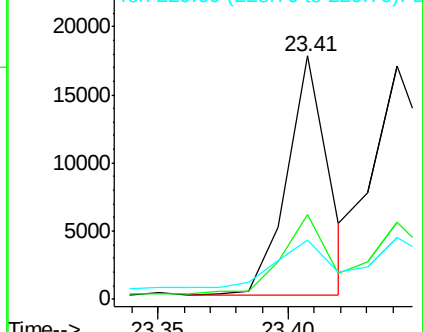
229 24.6 15.4 23.2#



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: 4.73 ng

RT: 23.44 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BF081577.D

Acq: 10 Sep 2015 20:57

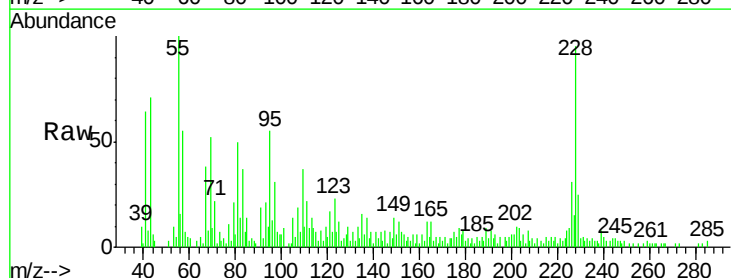
Tgt Ion:228 Resp: 24362

Ion Ratio Lower Upper

228 100

226 32.8 21.0 31.4#

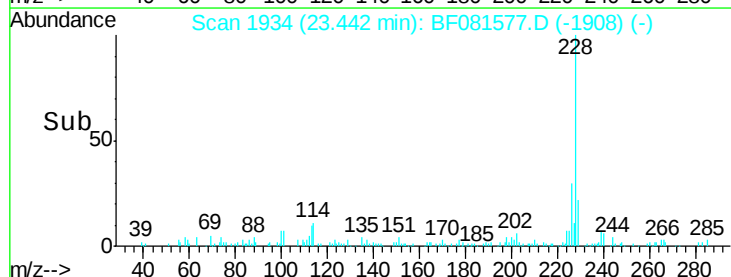
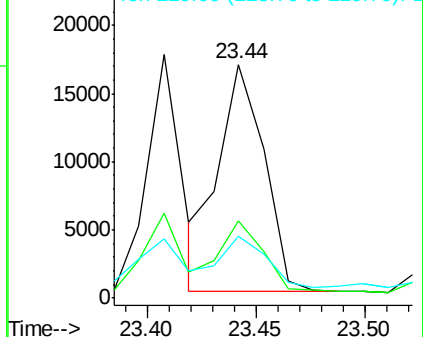
229 26.3 15.6 23.4#

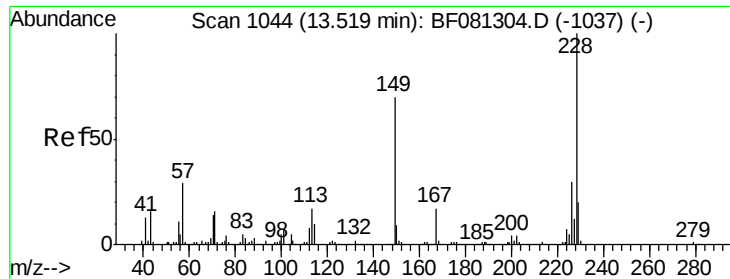


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

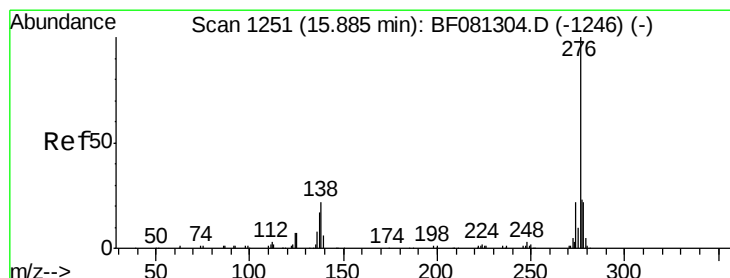
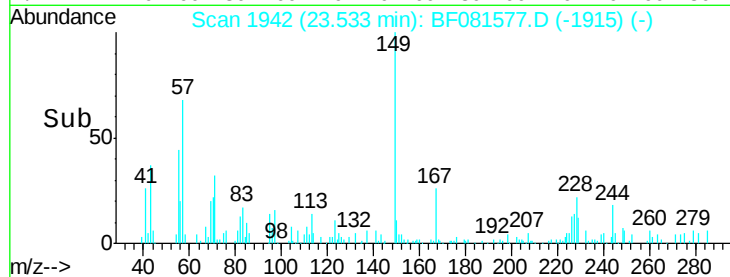
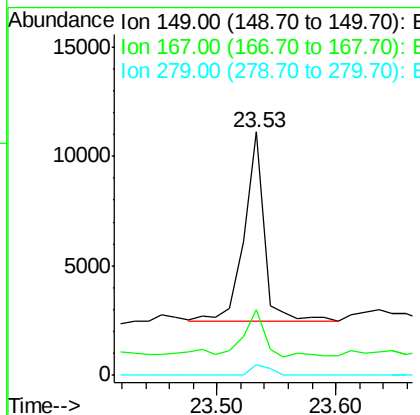
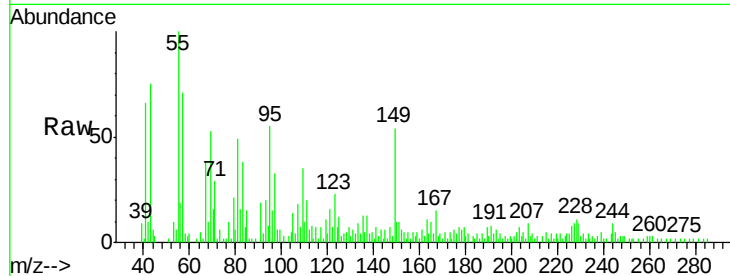




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.67 ng
 RT: 23.53 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

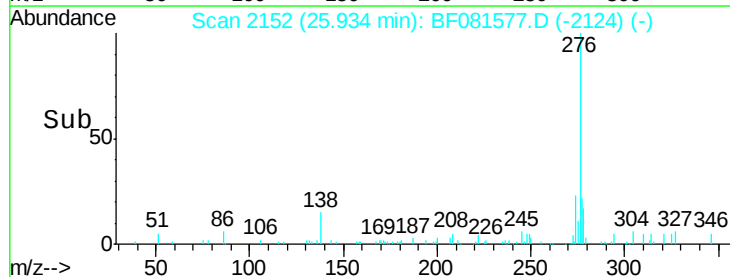
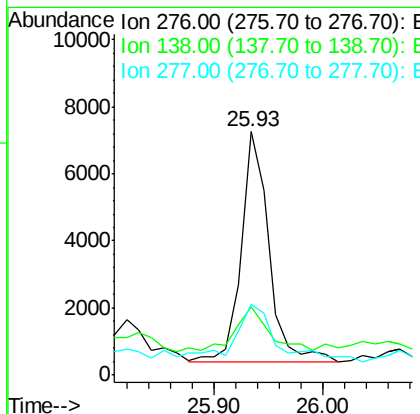
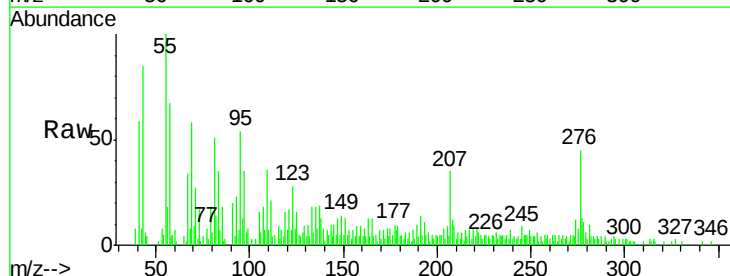
Instrument :
 BNA_F
 ClientSampleId :
 TYB3(1.5-2)

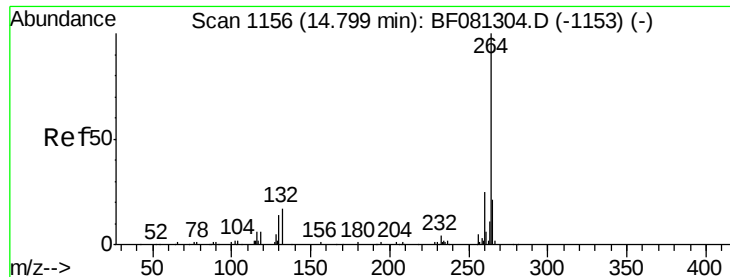
Tgt Ion:149 Resp: 10249
 Ion Ratio Lower Upper
 149 100
 167 27.1 24.2 36.2
 279 4.5 3.8 5.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.18 ng
 RT: 25.93 min Scan# 2152
 Delta R.T. 0.02 min
 Lab File: BF081577.D
 Acq: 10 Sep 2015 20:57

Tgt Ion:276 Resp: 12021
 Ion Ratio Lower Upper
 276 100
 138 23.4 25.7 38.5#
 277 39.4 15.6 23.4#

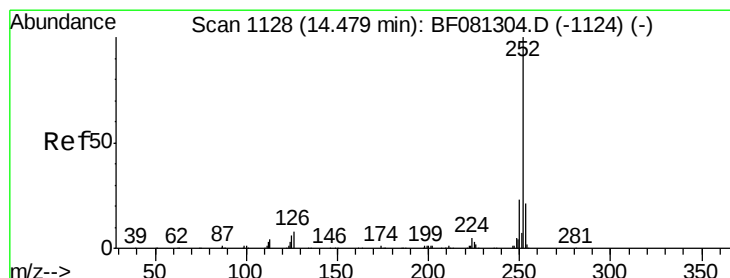
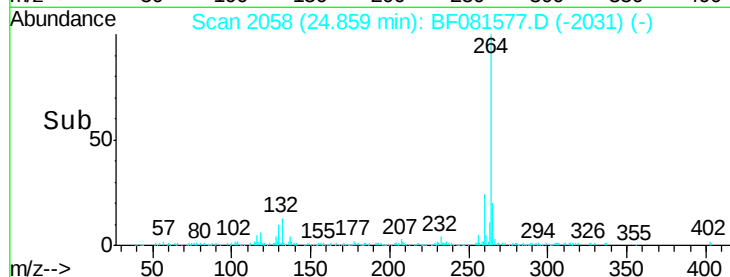
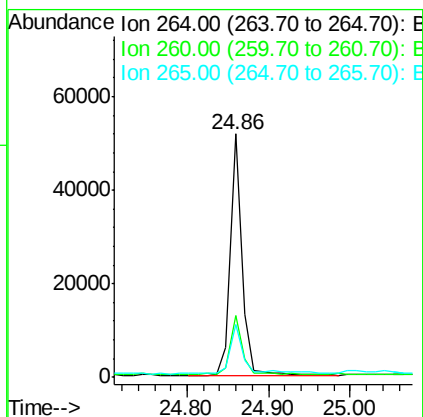
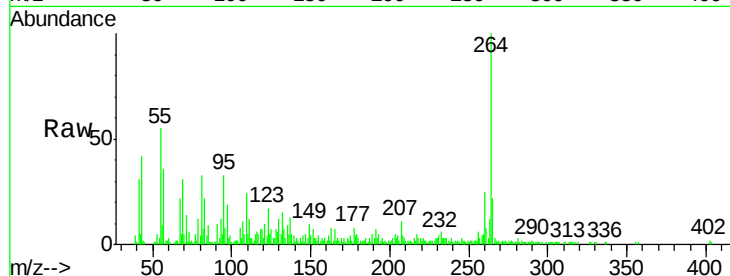




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.86 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF081577.D
Acq: 10 Sep 2015 20:57

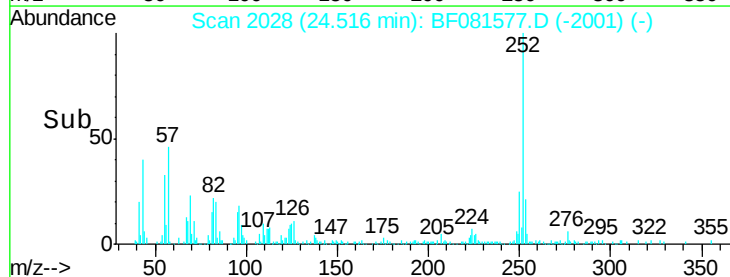
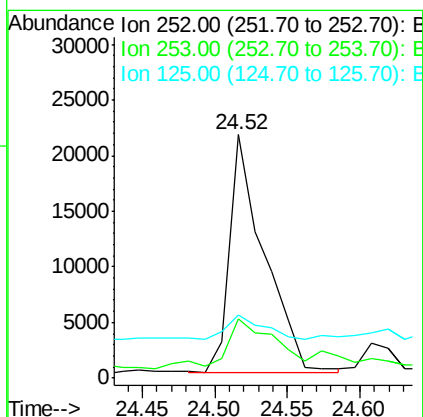
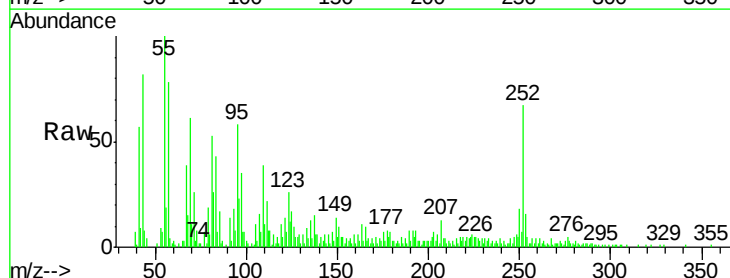
Instrument :
BNA_F
ClientSampleId :
TYB3(1.5-2)

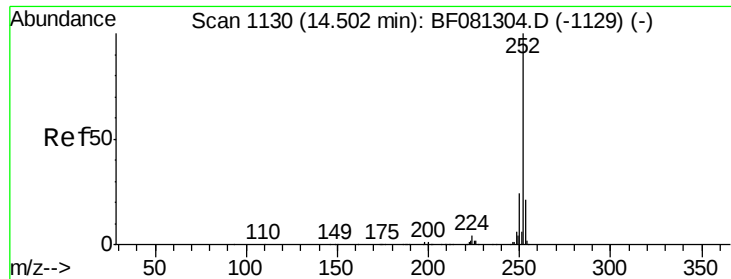
Tgt Ion: 264 Resp: 51073
Ion Ratio Lower Upper
264 100
260 25.2 16.7 25.1#
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.77 ng
RT: 24.52 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF081577.D
Acq: 10 Sep 2015 20:57

Tgt Ion: 252 Resp: 35608
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 26.0 17.1 25.7#

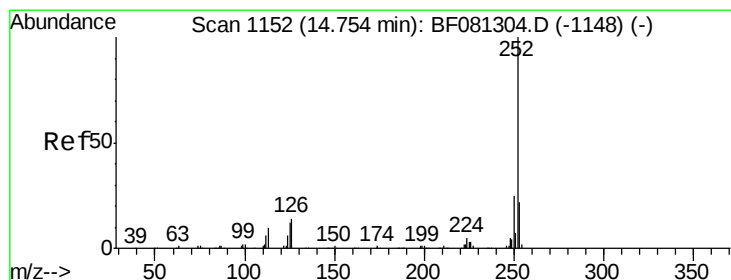
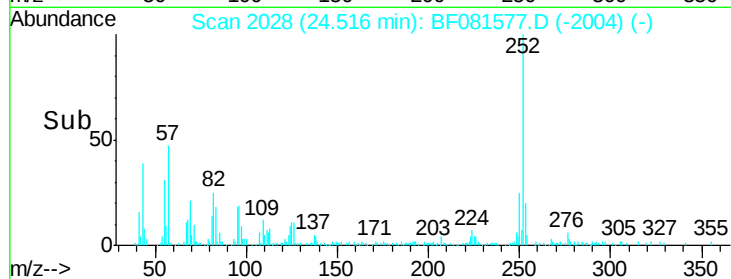
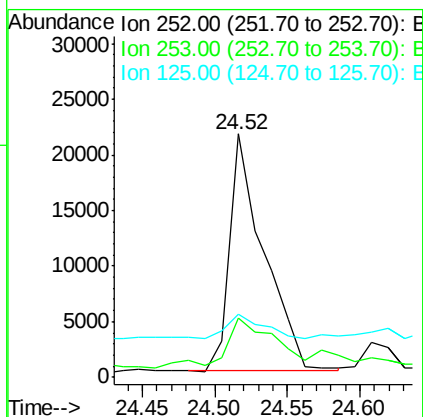
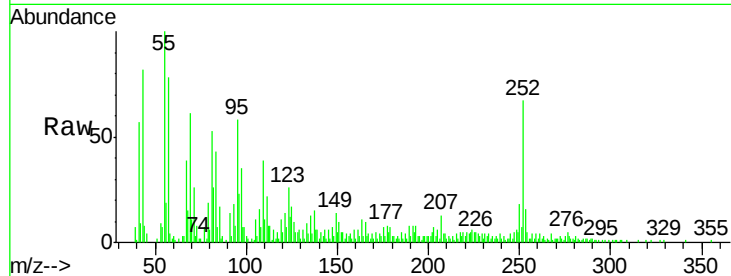




#88
Benzo(k)fluoranthene
Concen: 11.54 ng
RT: 24.52 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF081577.D
Acq: 10 Sep 2015 20:57

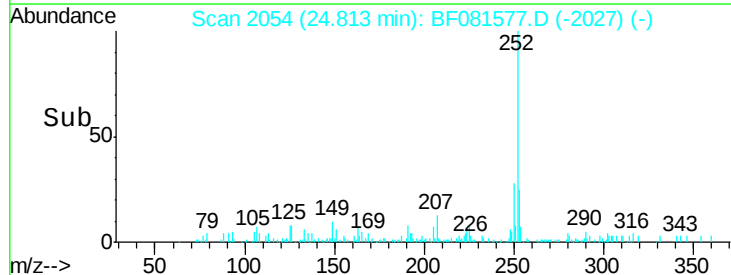
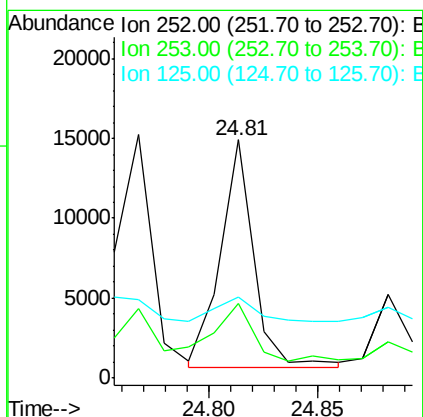
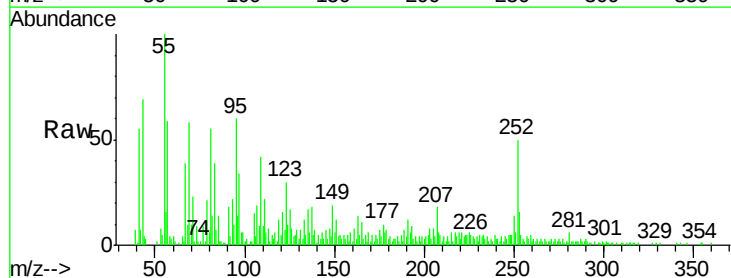
Instrument :
BNA_F
ClientSampleId :
TYB3(1.5-2)

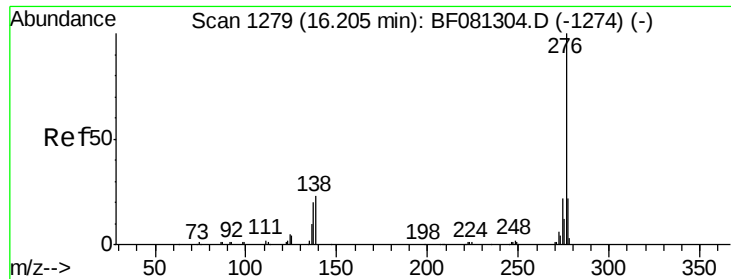
Tgt Ion: 252 Resp: 34908
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.4
125 26.0 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 4.93 ng
RT: 24.81 min Scan# 2054
Delta R.T. 0.01 min
Lab File: BF081577.D
Acq: 10 Sep 2015 20:57

Tgt Ion: 252 Resp: 15238
Ion Ratio Lower Upper
252 100
253 31.2 17.2 25.8#
125 34.0 18.0 27.0#





#91

Benzo(g,h,i)perylene

Concen: 5.78 ng

RT: 26.25 min Scan# 2180

Delta R.T. 0.03 min

Lab File: BF081577.D

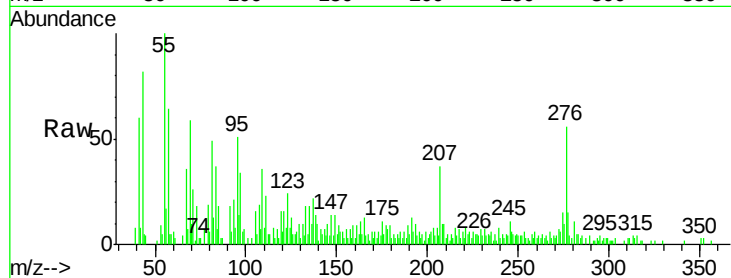
Acq: 10 Sep 2015 20:57

Instrument :

BNA_F

ClientSampleId :

TYB3(1.5-2)



Tgt Ion:	276	Resp:	13161
Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.8	26.6
138	25.5	34.6	51.8#

