

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
 Data File : BF077943.D
 Acq On : 25 Mar 2015 8:22
 Operator : TP/IZ
 Sample : G1615-11
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22

Quant Time: Mar 25 08:08:55 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 02:09:19 2015
 Response via : Initial Calibration

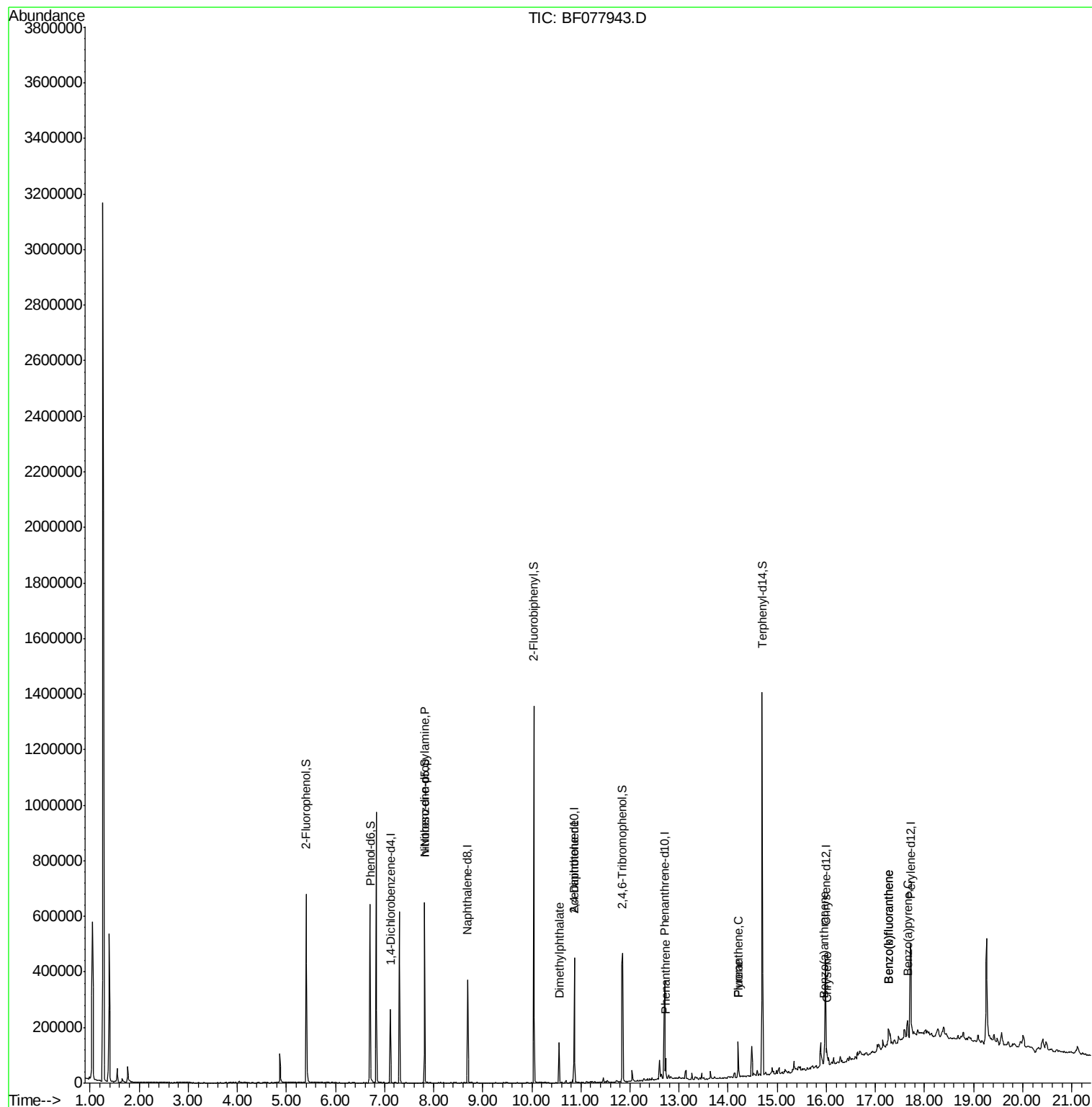
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	42068	20.00	ng	-0.05
21) Naphthalene-d8	8.69	136	172598	20.00	ng	-0.05
38) Acenaphthene-d10	10.86	164	89995	20.00	ng	-0.05
63) Phenanthrene-d10	12.71	188	171418	20.00	ng	-0.05
75) Chrysene-d12	15.99	240	186159	20.00	ng	-0.15
86) Perylene-d12	17.71	264	183972	20.00	ng	-0.39
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	254605	105.64	ng	-0.03
7) Phenol-d6	6.70	99	333222	111.91	ng	-0.02
23) Nitrobenzene-d5	7.81	82	200051	75.98	ng	-0.05
41) 2,4,6-Tribromophenol	11.85	330	79586	92.43	ng	-0.05
44) 2-Fluorobiphenyl	10.04	172	426831	69.70	ng	-0.05
78) Terphenyl-d14	14.69	244	486935	63.89	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.81	70	25563	12.41	ng	# 82
49) Dimethylphthalate	10.56	163	91746	13.75	ng	99
56) 2,4-Dinitrotoluene	10.86	165	11833	6.56	ng	# 11
70) Phenanthrene	12.73	178	30777	3.13	ng	99
74) Fluoranthene	14.20	202	55443	5.11	ng	97
77) Pyrene	14.20	202	55443	4.74	ng	99
80) Benzo(a)anthracene	15.96	228	28708	2.60	ng	# 85
82) Chrysene	16.01	228	27206	2.74	ng	# 95
87) Benzo(b)fluoranthene	17.27	252	53835	4.48	ng	# 93
88) Benzo(k)fluoranthene	17.27	252	53835	5.74	ng	# 89
89) Benzo(a)pyrene	17.65	252	29292	2.92	ng	# 87

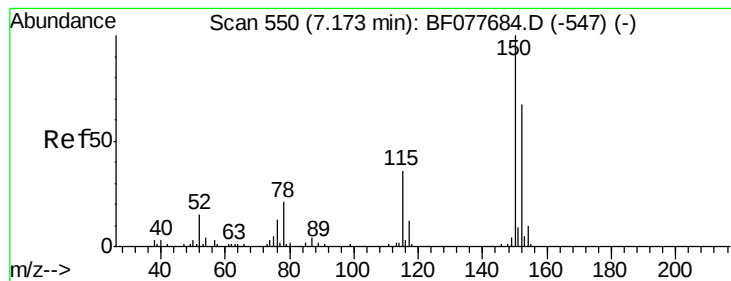
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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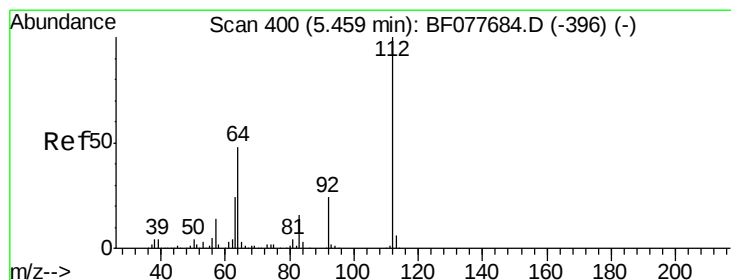
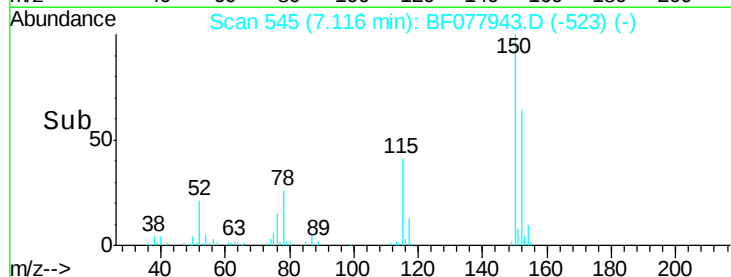
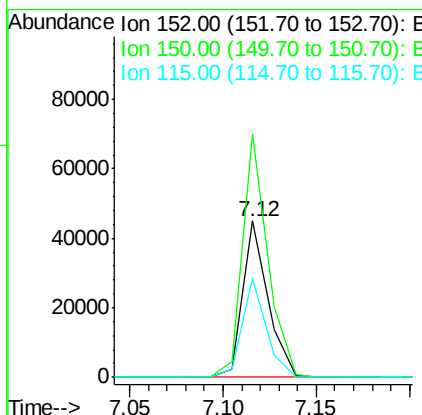
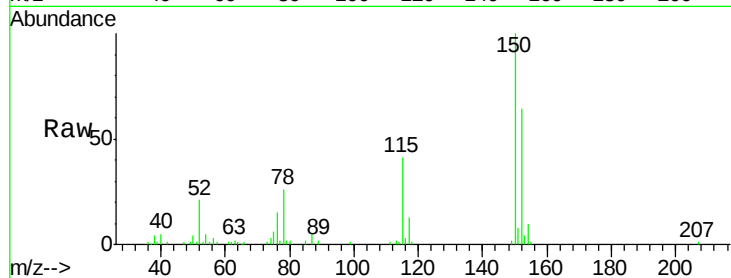


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.12 min Scan# 545
Delta R.T. -0.05 min
Lab File: BF077943.D
Acq: 25 Mar 2015 8:22

Instrument :
BNA_F
ClientSampleId :
SB-22

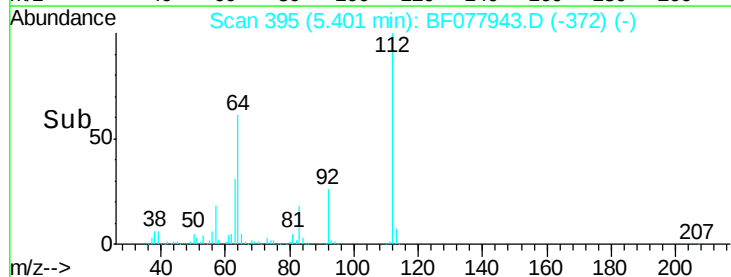
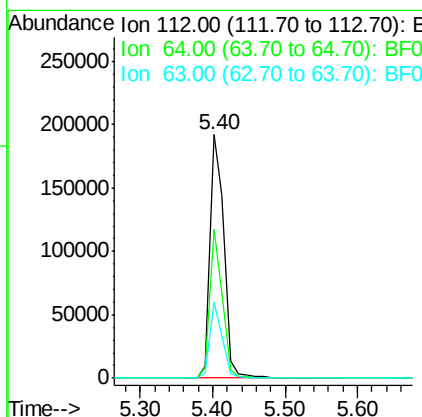
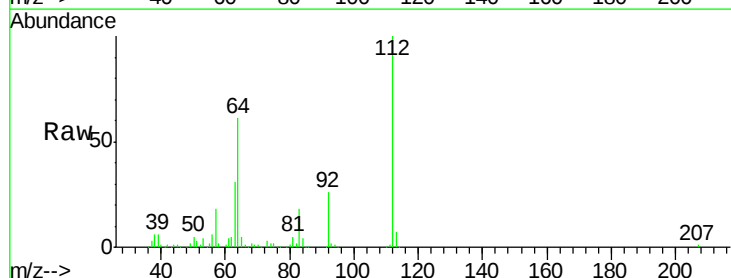
Tgt Ion:152 Resp: 42068
Ion Ratio Lower Upper
152 100
150 155.8 119.5 179.3
115 63.6 43.0 64.4

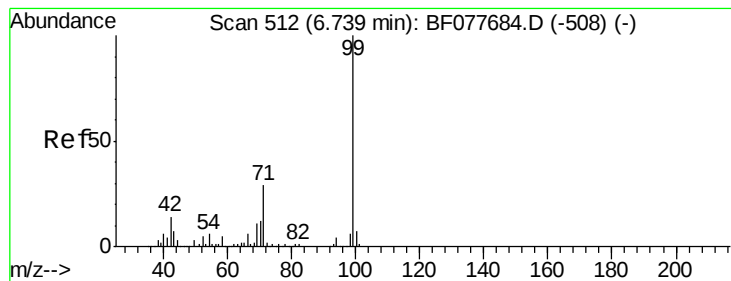


#5

2-Fluorophenol
Concen: 105.64 ng
RT: 5.40 min Scan# 395
Delta R.T. -0.03 min
Lab File: BF077943.D
Acq: 25 Mar 2015 8:22

Tgt Ion:112 Resp: 254605
Ion Ratio Lower Upper
112 100
64 61.3 38.6 57.8#
63 31.4 19.3 28.9#





#7

Phenol-d6

Concen: 111.91 ng

RT: 6.70 min Scan# 509

Delta R.T. -0.02 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

Instrument :

BNA_F

ClientSampleId :

SB-22

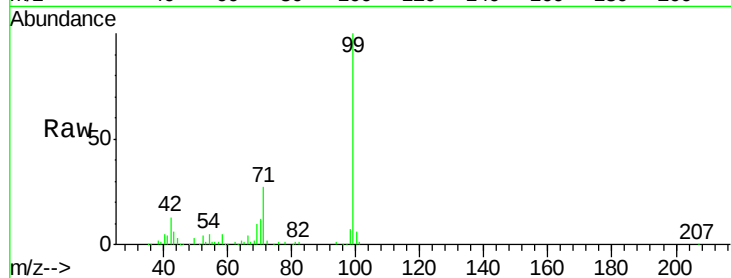
Tgt Ion: 99 Resp: 333222

Ion Ratio Lower Upper

99 100

42 12.8 11.0 16.4

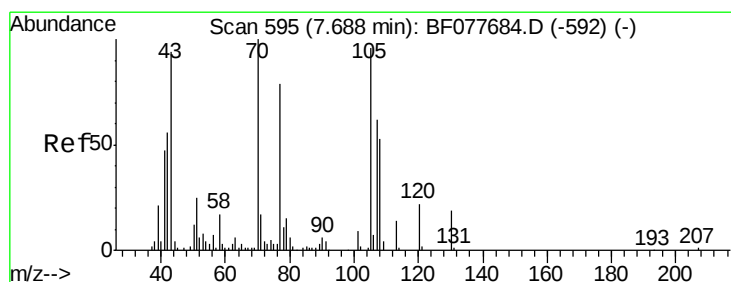
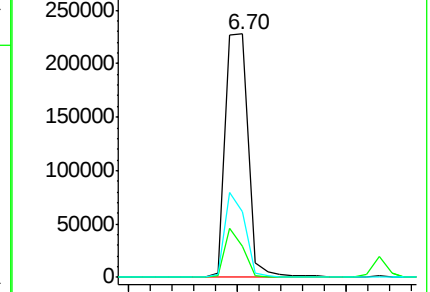
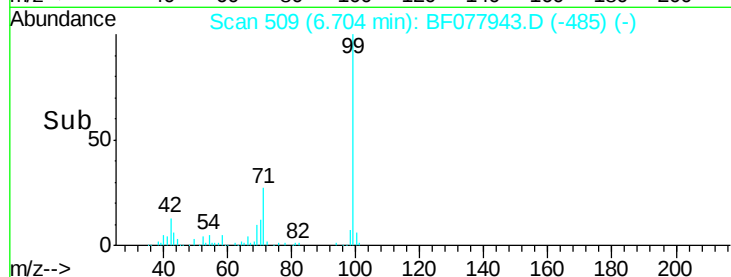
71 27.2 23.4 35.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.41 ng

RT: 7.81 min Scan# 606

Delta R.T. 0.13 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

Tgt Ion: 70 Resp: 25563

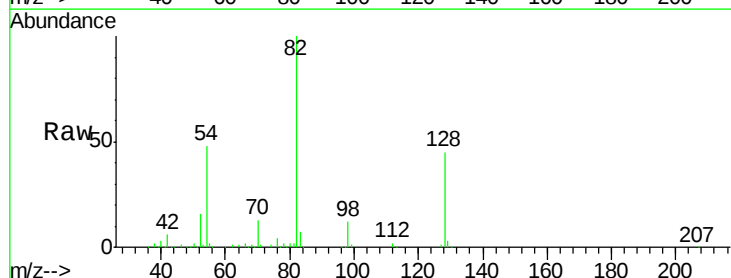
Ion Ratio Lower Upper

70 100

42 47.8 44.5 66.7

101 0.0 7.4 11.2#

130 2.3 15.3 22.9#

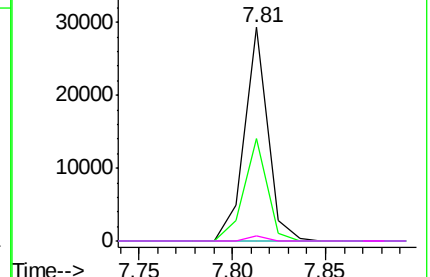
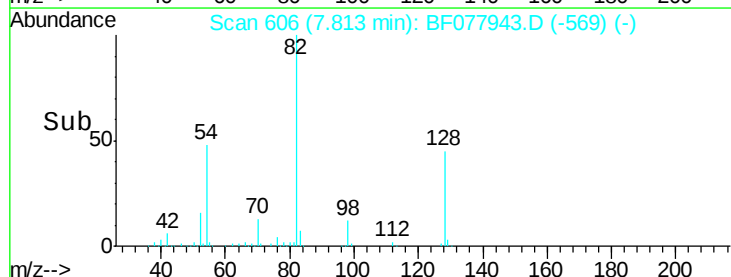


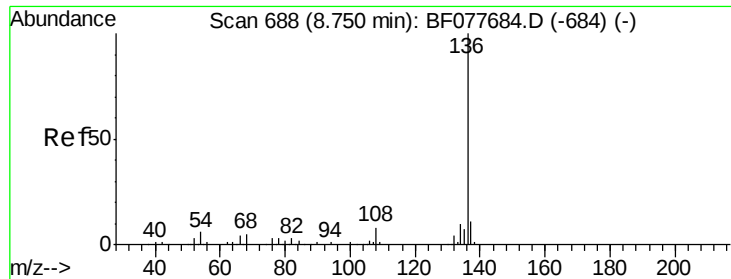
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

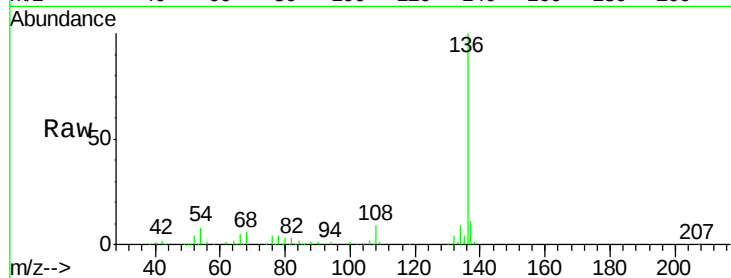




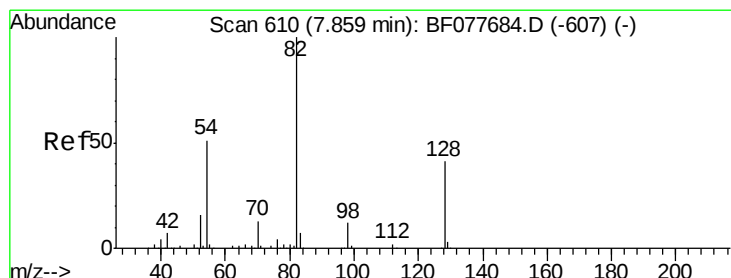
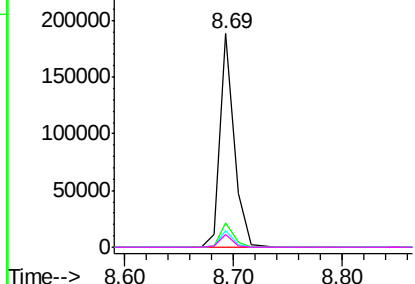
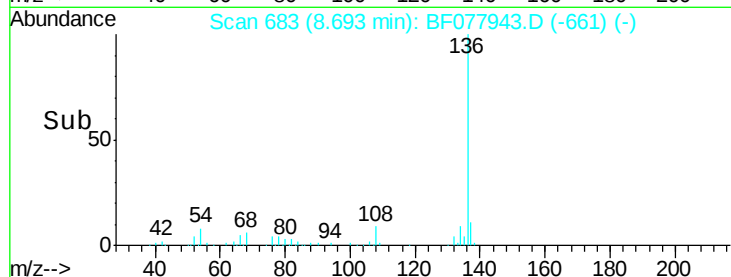
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.69 min Scan# 683
Delta R.T. -0.05 min
Lab File: BF077943.D
Acq: 25 Mar 2015 8:22

Instrument :
BNA_F
ClientSampled :
SB-22

Tgt Ion:	136	Resp:	172598
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.6	4.6	6.8#
68	5.9	3.7	5.5#

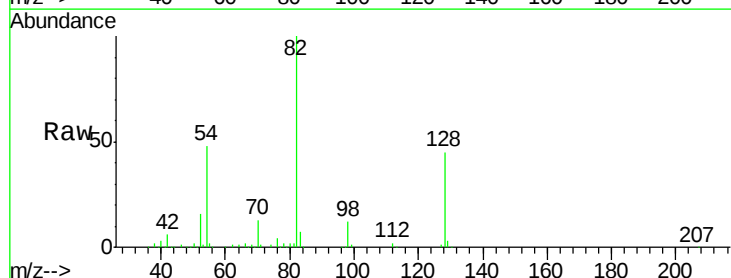


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

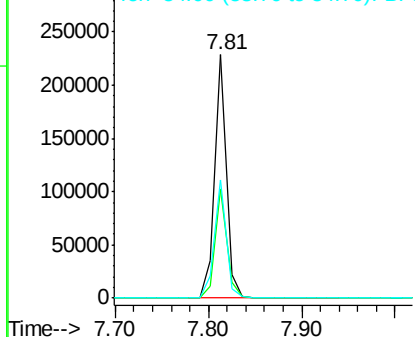
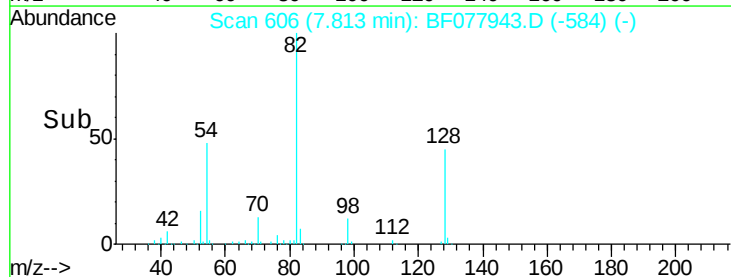


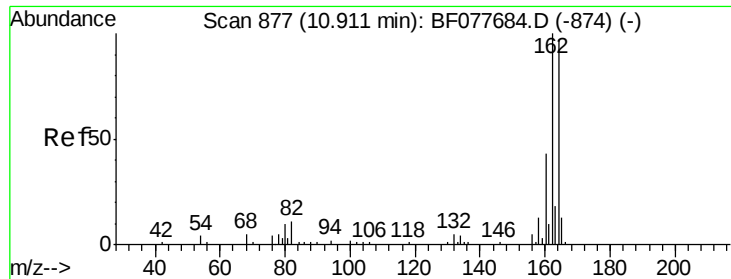
#23
Nitrobenzene-d5
Concen: 75.98 ng
RT: 7.81 min Scan# 606
Delta R.T. -0.05 min
Lab File: BF077943.D
Acq: 25 Mar 2015 8:22

Tgt Ion:	82	Resp:	200051
Ion	Ratio	Lower	Upper
82	100		
128	45.1	32.8	49.2
54	48.3	40.6	60.8



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

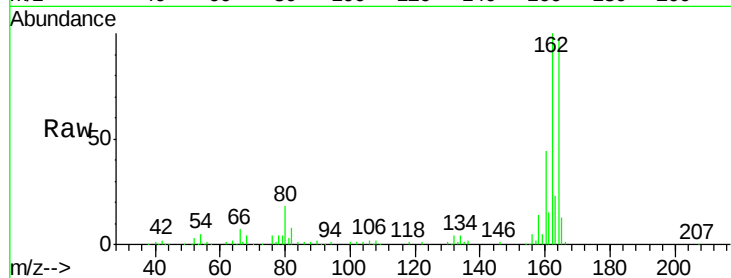




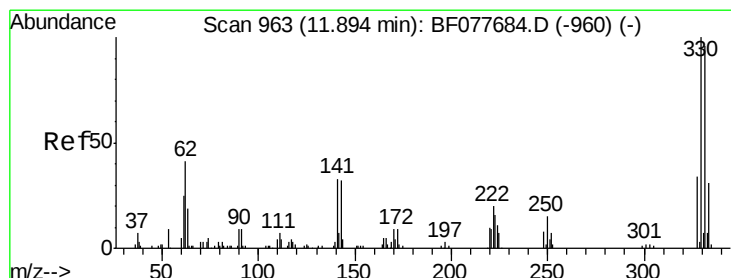
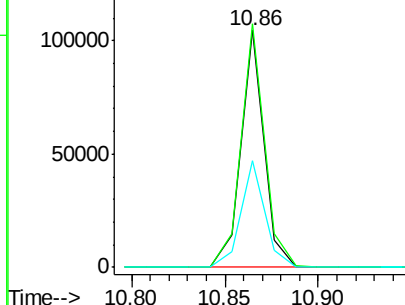
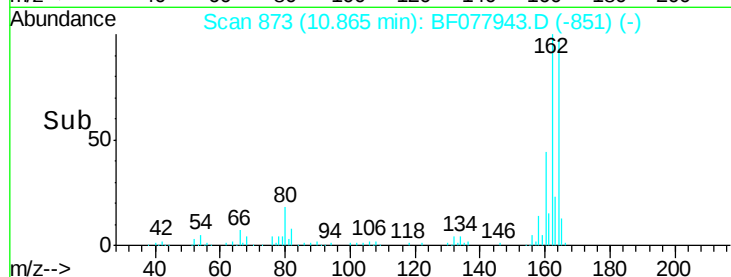
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.86 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: BF077943.D
 Acq: 25 Mar 2015 8:22

Instrument :
 BNA_F
 ClientSampled :
 SB-22

Tgt Ion:164 Resp: 89995
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.4 123.6
 160 44.9 35.8 53.6

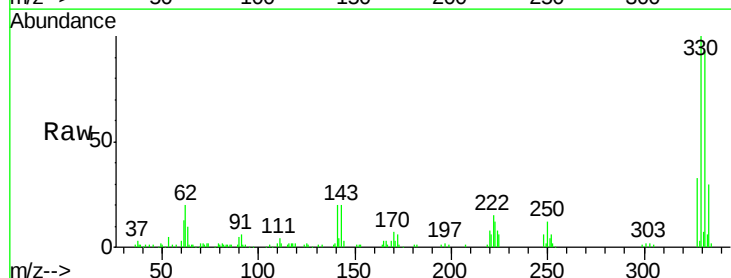


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

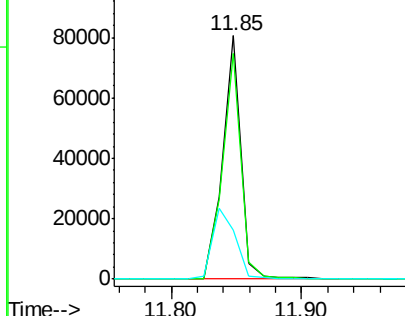
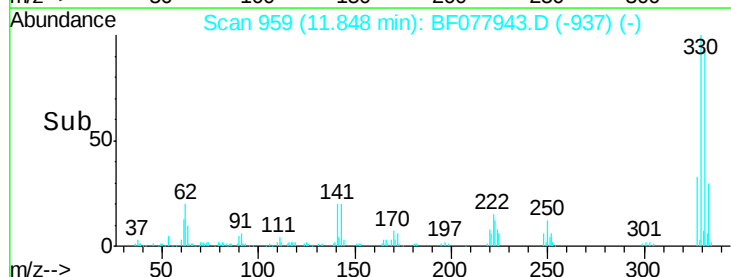


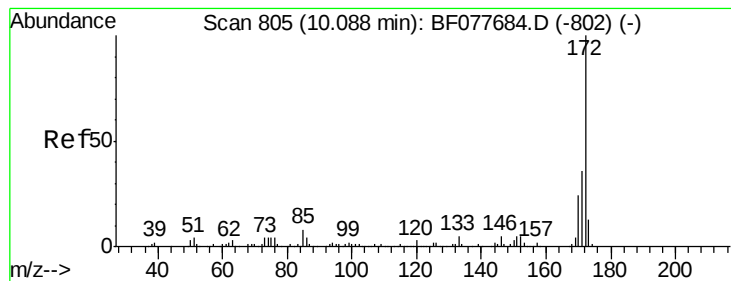
#41
 2,4,6-Tribromophenol
 Concen: 92.43 ng
 RT: 11.85 min Scan# 959
 Delta R.T. -0.05 min
 Lab File: BF077943.D
 Acq: 25 Mar 2015 8:22

Tgt Ion:330 Resp: 79586
 Ion Ratio Lower Upper
 330 100
 332 94.0 0.0 0.0#
 141 36.5 0.0 0.0#



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: 69.70 ng

RT: 10.04 min Scan# 801

Delta R.T. -0.05 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

Instrument :

BNA_F

ClientSampleId :

SB-22

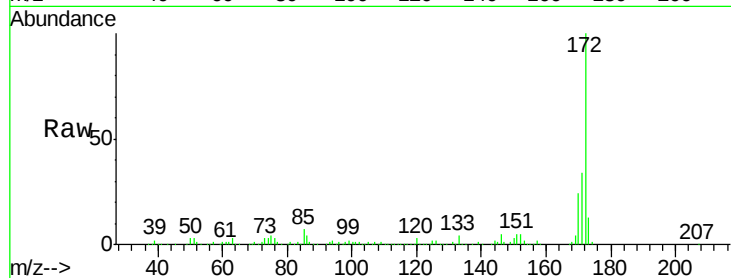
Tgt Ion:172 Resp: 426831

Ion Ratio Lower Upper

172 100

171 34.4 28.5 42.7

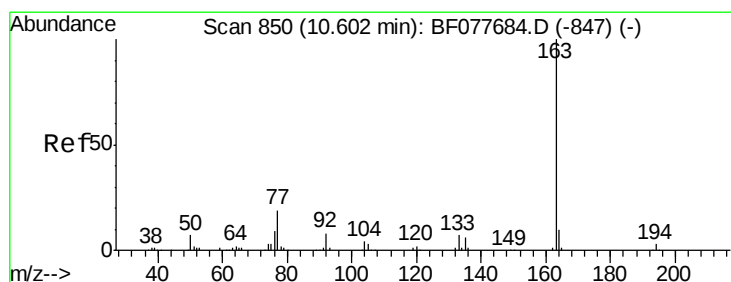
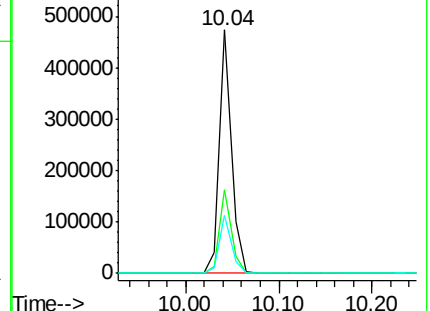
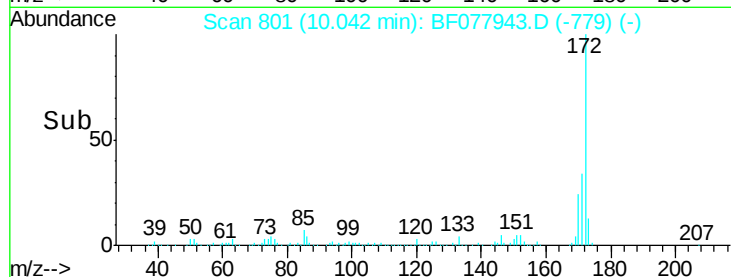
170 23.9 18.8 28.2



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: 13.75 ng

RT: 10.56 min Scan# 846

Delta R.T. -0.05 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

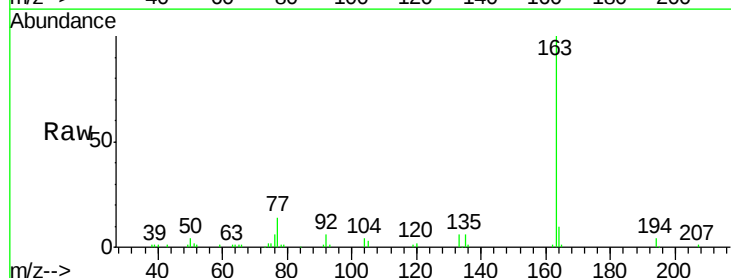
Tgt Ion:163 Resp: 91746

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

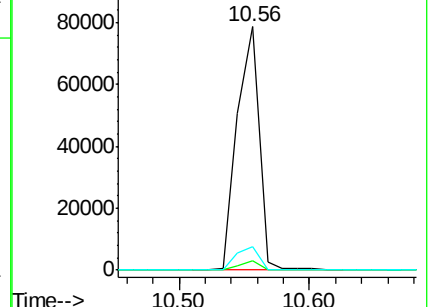
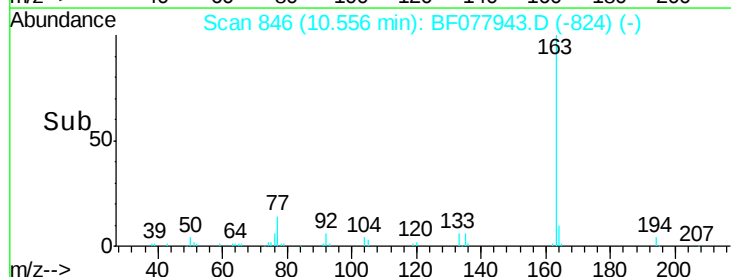
164 9.8 8.2 12.2

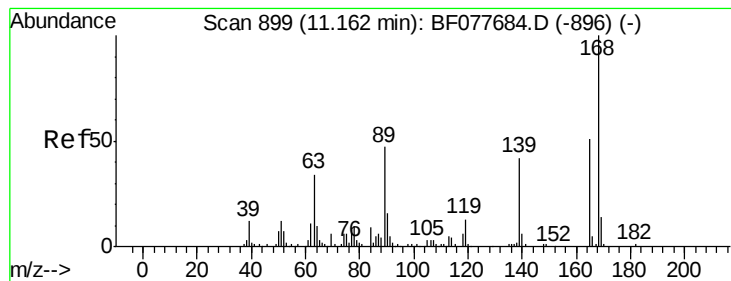


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.56 ng

RT: 10.86 min Scan# 873

Delta R.T. -0.30 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

Instrument :

BNA_F

ClientSampleId :

SB-22

Tgt Ion:165 Resp: 11833

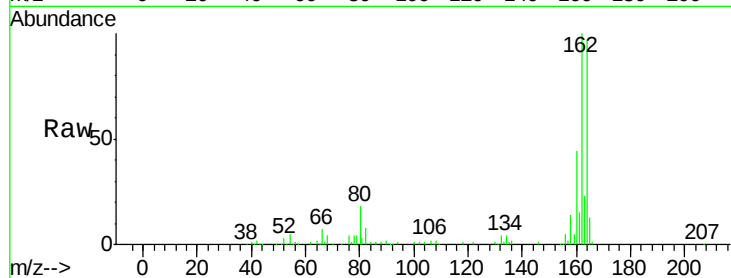
Ion Ratio Lower Upper

165 100

63 0.0 52.4 78.6#

89 0.0 72.4 108.6#

182 0.0 2.0 3.0#

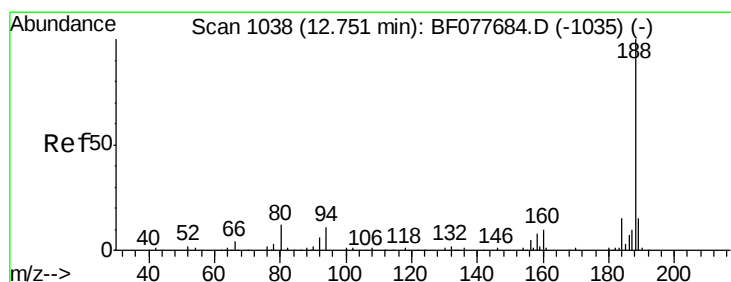
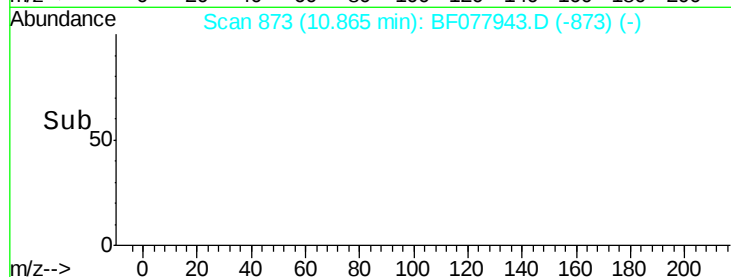
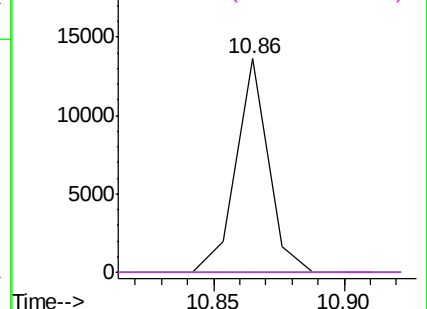


Abundance Ion 165.00 (164.70 to 165.70): E

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: 12.71 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

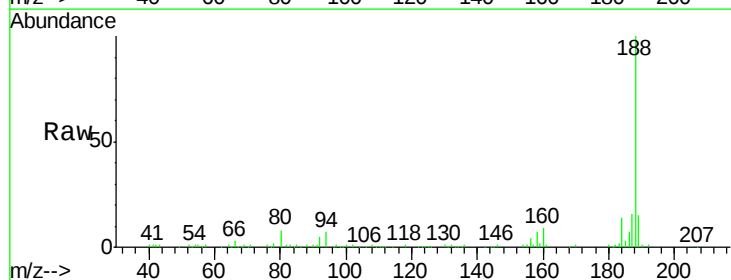
Tgt Ion:188 Resp: 171418

Ion Ratio Lower Upper

188 100

94 7.5 8.7 13.1#

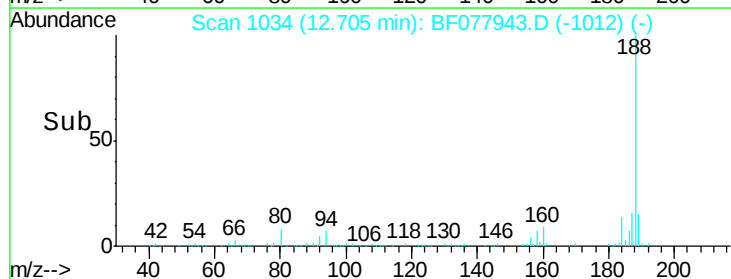
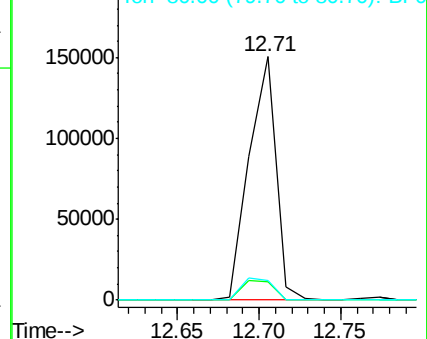
80 7.9 9.3 13.9#

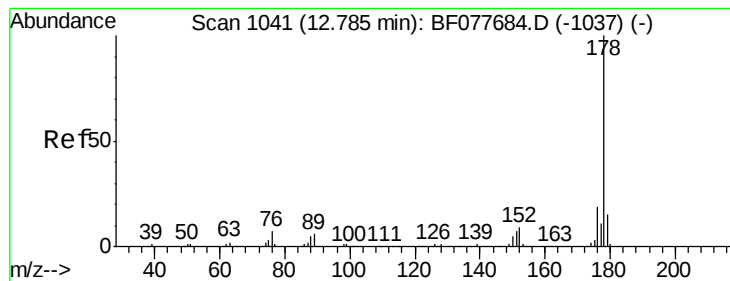


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.13 ng

RT: 12.73 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

Instrument :

BNA_F

ClientSampleId :

SB-22

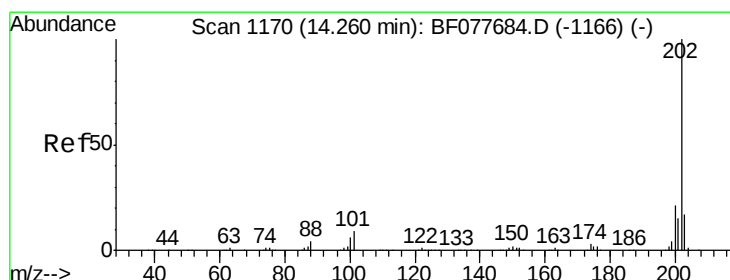
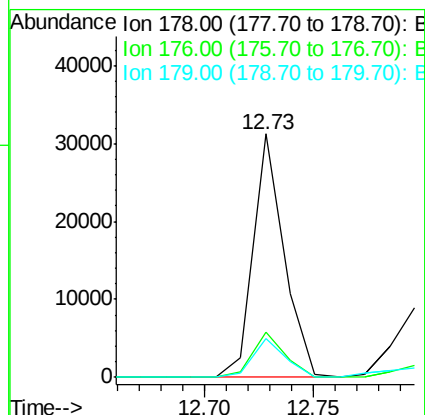
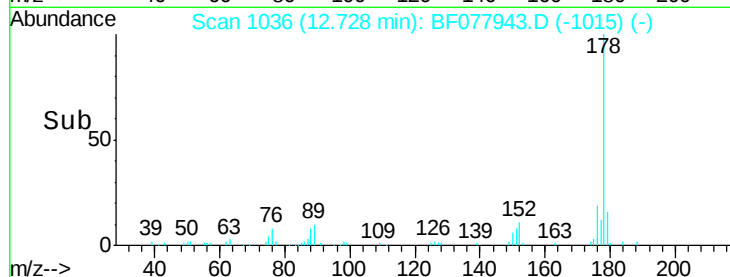
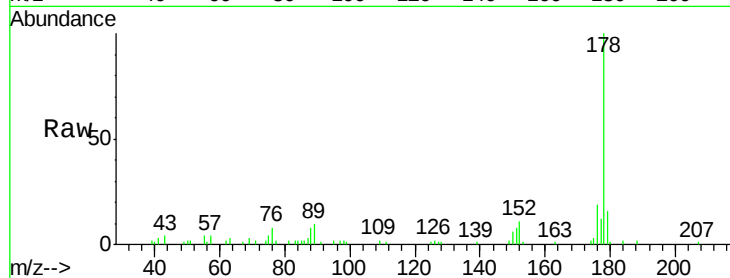
Tgt Ion:178 Resp: 30777

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

179 15.7 12.1 18.1



#74

Fluoranthene

Concen: 5.11 ng

RT: 14.20 min Scan# 1165

Delta R.T. -0.06 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

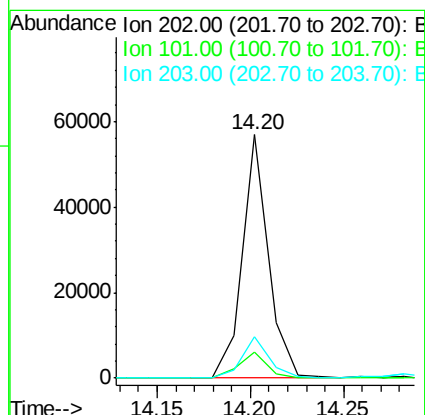
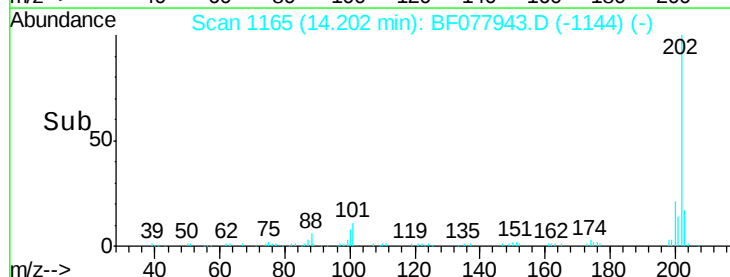
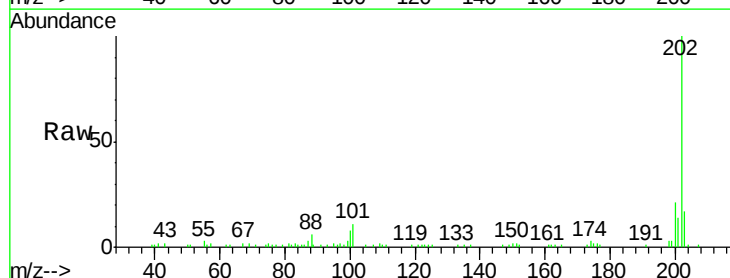
Tgt Ion:202 Resp: 55443

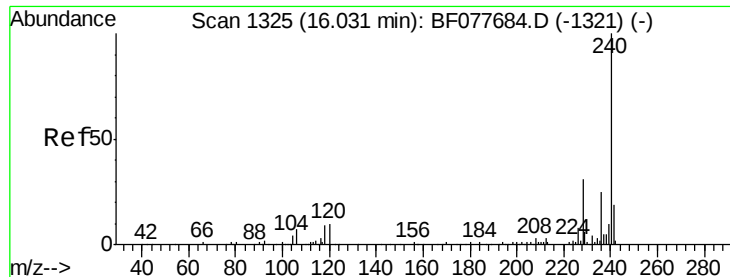
Ion Ratio Lower Upper

202 100

101 10.7 0.0 28.7

203 16.8 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.99 min Scan# 1321

Delta R.T. -0.15 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

Instrument :

BNA_F

ClientSampleId :

SB-22

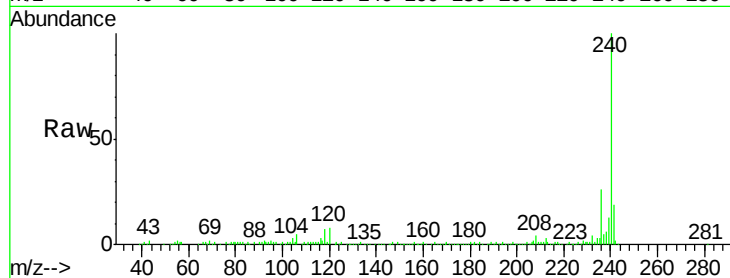
Tgt Ion:240 Resp: 186159

Ion Ratio Lower Upper

240 100

120 7.8 8.2 12.2#

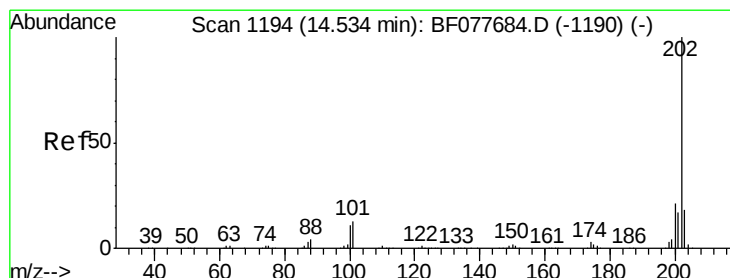
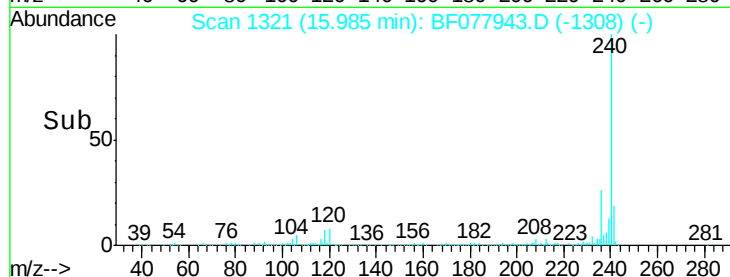
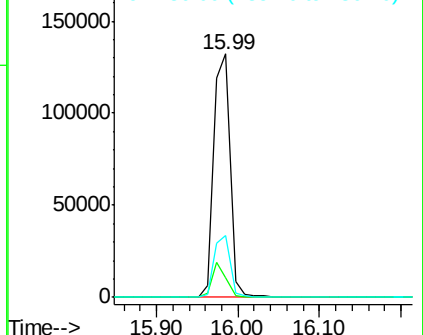
236 25.5 20.0 30.0



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: 4.74 ng

RT: 14.20 min Scan# 1165

Delta R.T. -0.33 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

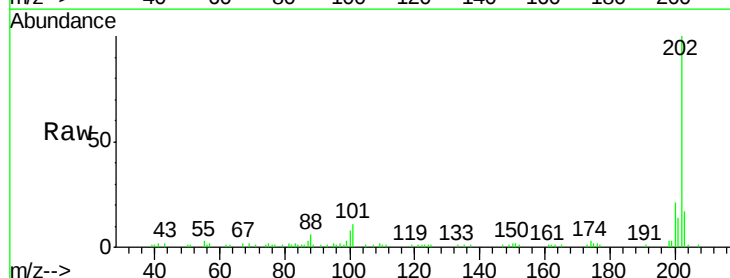
Tgt Ion:202 Resp: 55443

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

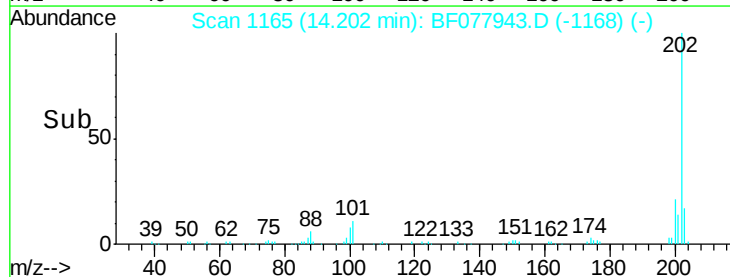
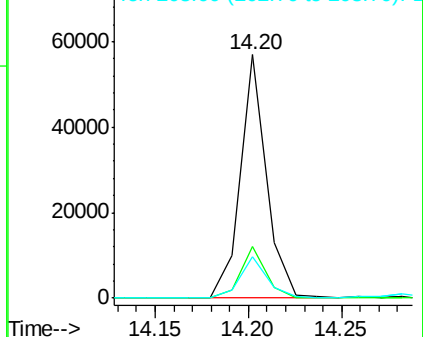
203 16.8 14.1 21.1

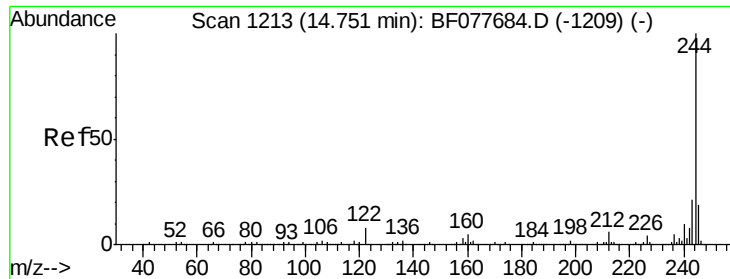


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

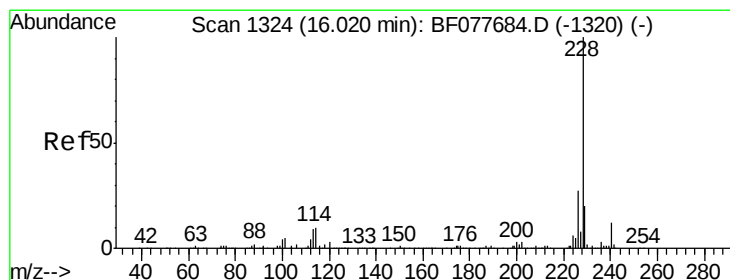
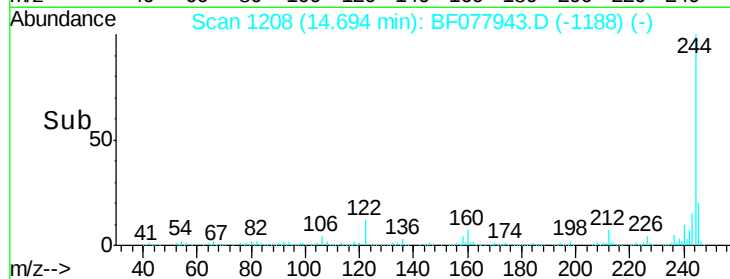
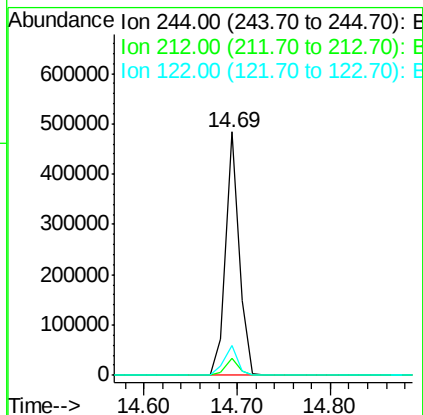
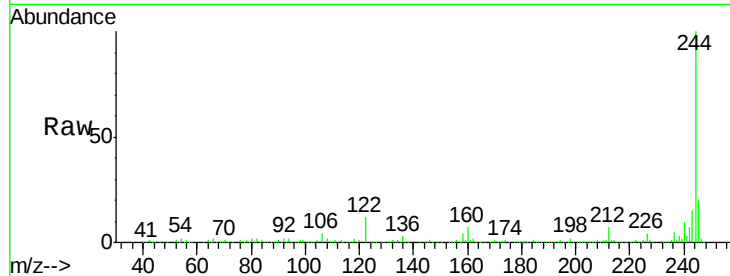




#78
 Terphenyl-d14
 Concen: 63.89 ng
 RT: 14.69 min Scan# 1208
 Delta R.T. -0.07 min
 Lab File: BF077943.D
 Acq: 25 Mar 2015 8:22

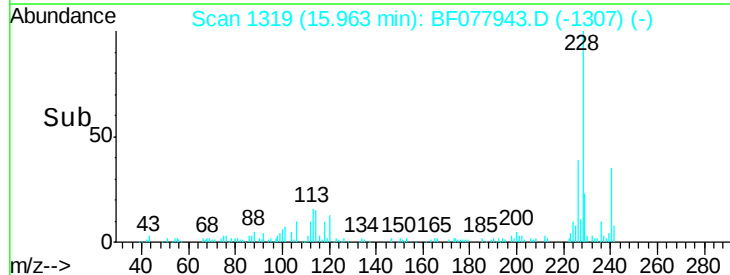
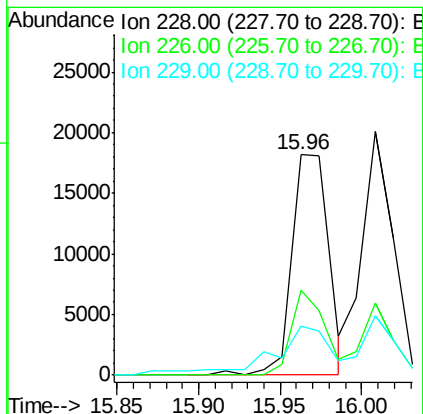
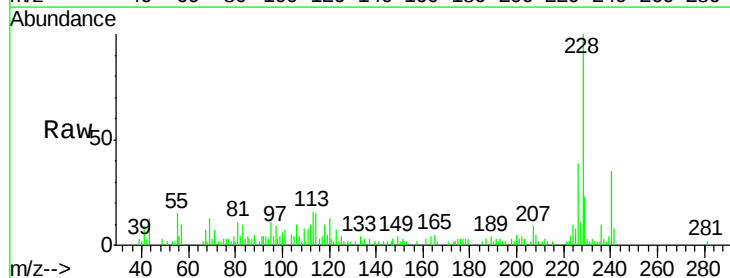
Instrument :
 BNA_F
 ClientSampleId :
 SB-22

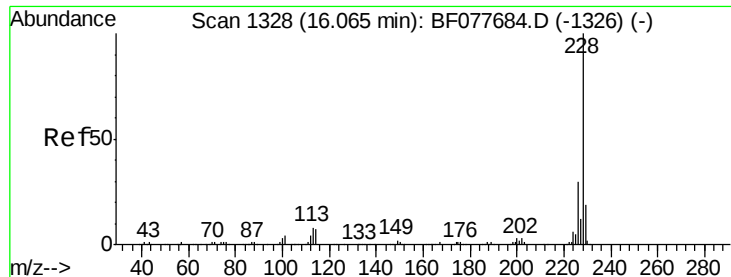
Tgt Ion:244 Resp: 486935
 Ion Ratio Lower Upper
 244 100
 212 7.0 4.9 7.3
 122 12.2 6.2 9.4#



#80
 Benzo(a)anthracene
 Concen: 2.60 ng
 RT: 15.96 min Scan# 1319
 Delta R.T. -0.16 min
 Lab File: BF077943.D
 Acq: 25 Mar 2015 8:22

Tgt Ion:228 Resp: 28708
 Ion Ratio Lower Upper
 228 100
 226 38.5 21.7 32.5#
 229 22.5 16.0 24.0

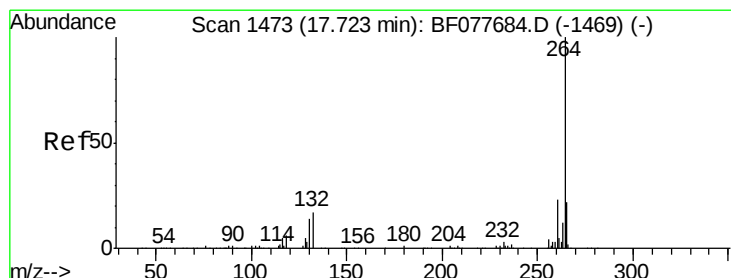
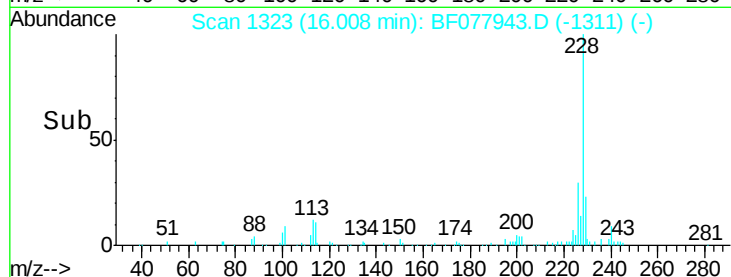
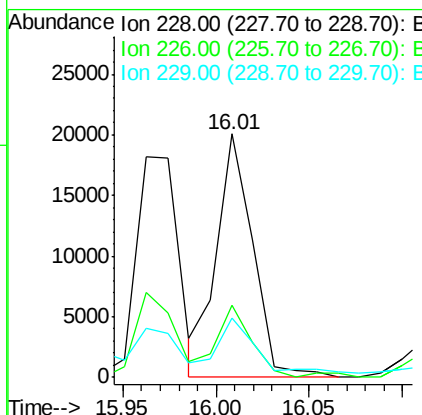
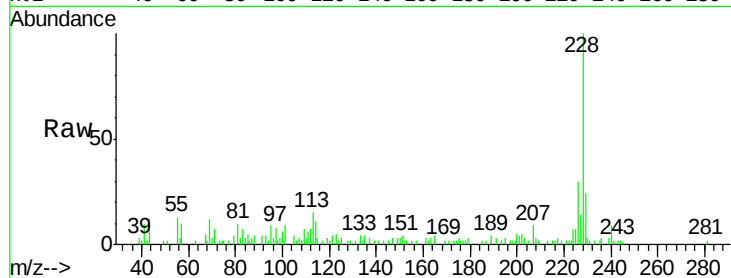




#82
Chrysene
Concen: 2.74 ng
RT: 16.01 min Scan# 1323
Delta R.T. -0.16 min
Lab File: BF077943.D
Acq: 25 Mar 2015 8:22

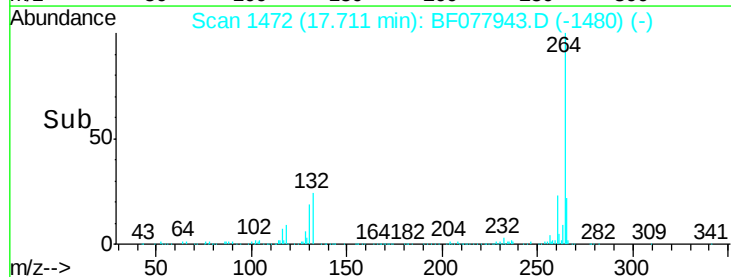
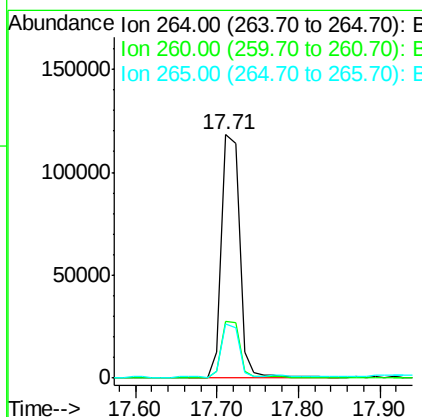
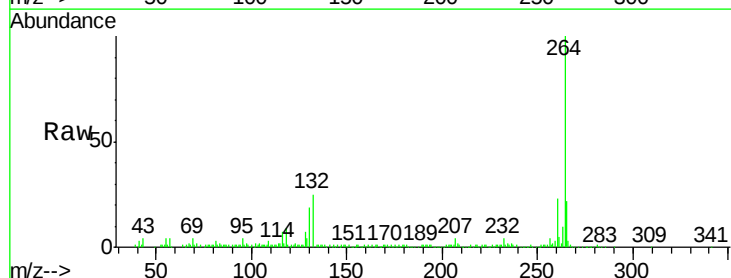
Instrument :
BNA_F
ClientSampleId :
SB-22

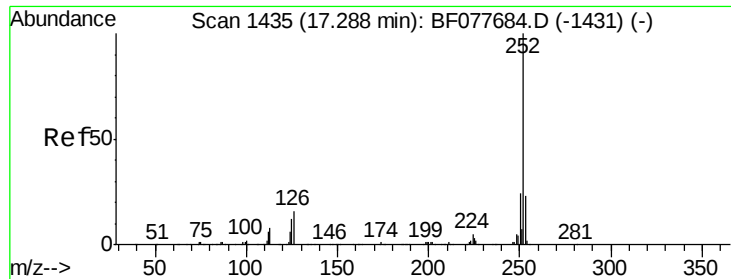
Tgt Ion:228 Resp: 27206
Ion Ratio Lower Upper
228 100
226 29.5 24.1 36.1
229 24.4 15.5 23.3#



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.71 min Scan# 1472
Delta R.T. -0.39 min
Lab File: BF077943.D
Acq: 25 Mar 2015 8:22

Tgt Ion:264 Resp: 183972
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 22.3 17.3 25.9

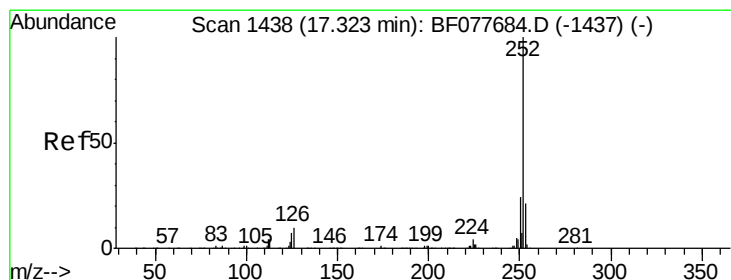
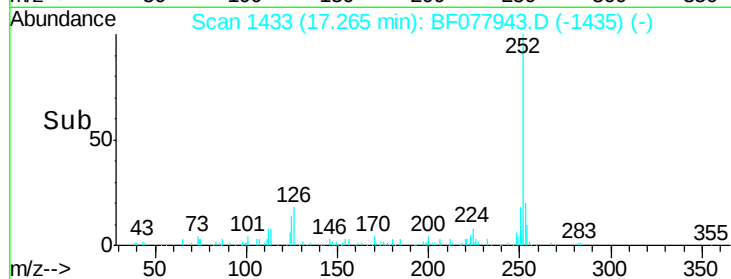
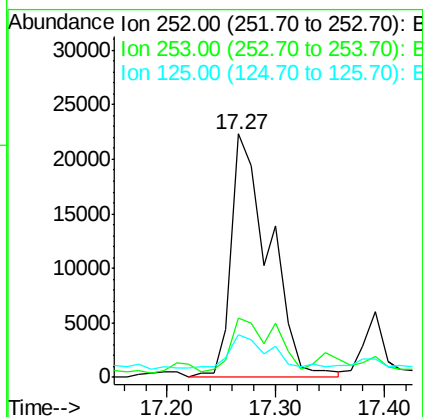
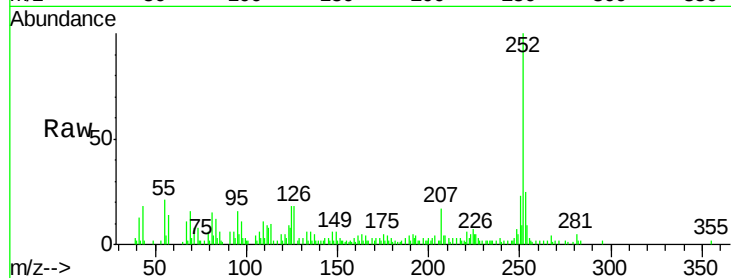




#87
Benzo(b)fluoranthene
Concen: 4.48 ng
RT: 17.27 min Scan# 1433
Delta R.T. -0.32 min
Lab File: BF077943.D
Acq: 25 Mar 2015 8:22

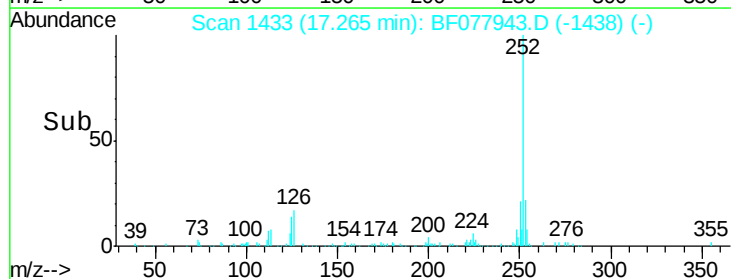
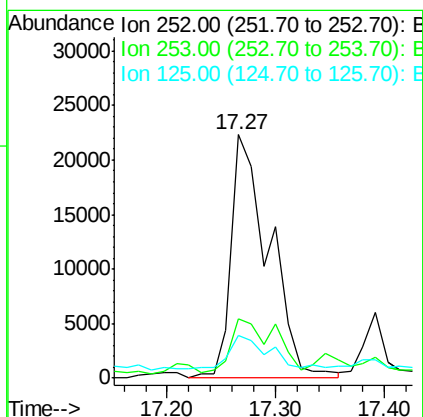
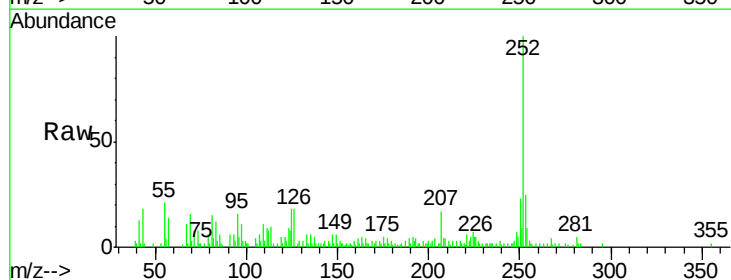
Instrument :
BNA_F
ClientSampleId :
SB-22

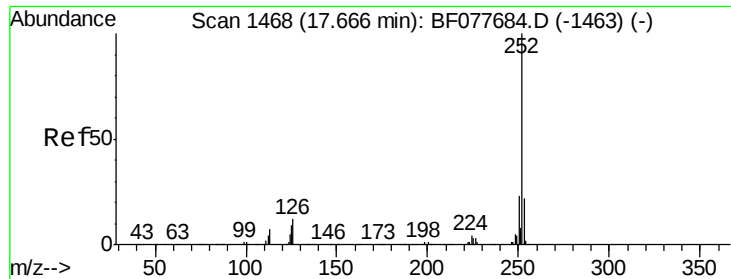
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	17.6	9.9	14.9#



#88
Benzo(k)fluoranthene
Concen: 5.74 ng
RT: 17.27 min Scan# 1433
Delta R.T. -0.35 min
Lab File: BF077943.D
Acq: 25 Mar 2015 8:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	17.6	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 2.92 ng

RT: 17.65 min Scan# 1467

Delta R.T. -0.37 min

Lab File: BF077943.D

Acq: 25 Mar 2015 8:22

Instrument :

BNA_F

ClientSampleId :

SB-22

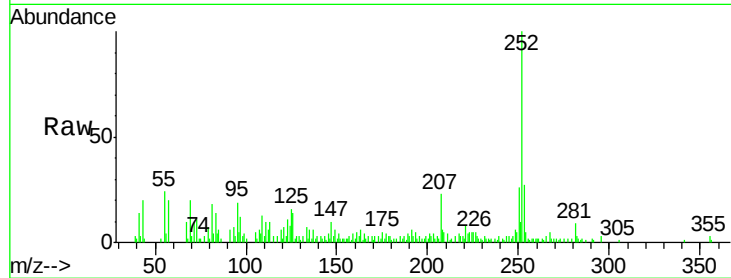
Tgt Ion: 252 Resp: 29292

Ion Ratio Lower Upper

252 100

253 27.3 17.6 26.4#

125 15.6 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

