

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022515\
 Data File : BF077456.D
 Acq On : 26 Feb 2015 3:51
 Operator : IZ / TP
 Sample : G1362-01
 Misc : S
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Quant Time: Feb 26 08:16:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 26 04:51:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	93799	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	367036	20.00	ng	0.00
38) Acenaphthene-d10	11.04	164	177295	20.00	ng	0.00
63) Phenanthrene-d10	12.88	188	353653	20.00	ng	0.00
75) Chrysene-d12	16.17	240	403271	20.00	ng	0.01
86) Perylene-d12	17.93	264	408339	20.00	ng	0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	446422	79.45	ng	0.01
7) Phenol-d6	6.84	99	548419	75.92	ng	0.00
23) Nitrobenzene-d5	7.97	82	311868	52.84	ng	0.00
41) 2,4,6-Tribromophenol	12.02	330	144505	84.65	ng	0.00
44) 2-Fluorobiphenyl	10.21	172	560462	49.29	ng	0.00
78) Terphenyl-d14	14.88	244	700029	40.58	ng	0.00

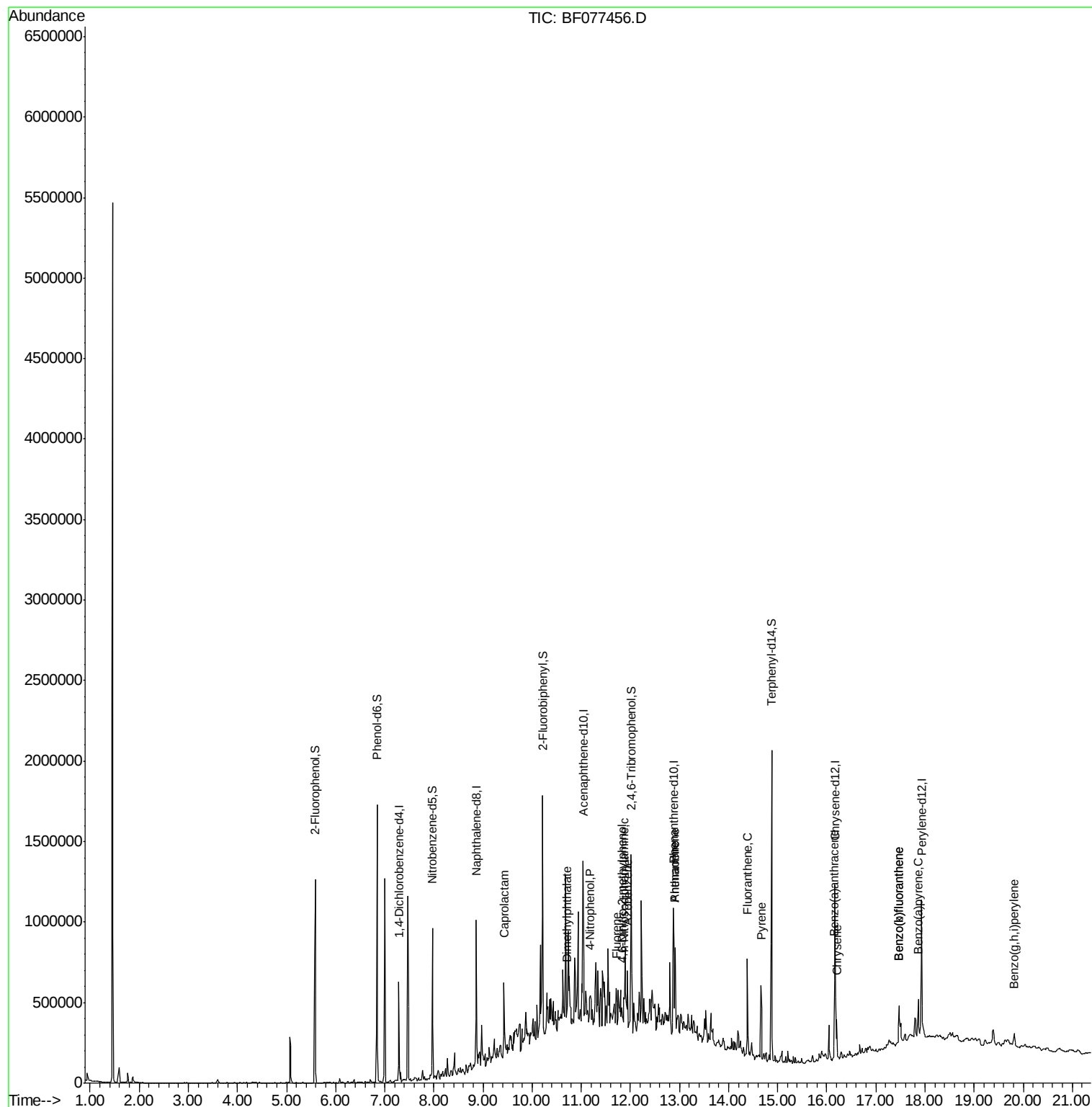
Target Compounds						Qvalue
35) Caprolactam	9.42	113	8397	5.15	ng	# 37
49) Dimethylphthalate	10.72	163	35202	2.82	ng	# 98
55) 4-Nitrophenol	11.19	139	5100	2.20	ng	# 1
57) Fluorene	11.72	166	40742	3.32	ng	# 90
62) Azobenzene	11.94	77	38304	3.29	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.83	198	752	4.20	ng	# 1
65) n-Nitrosodiphenylamine	11.87	169	67392	5.74	ng	# 36
70) Phenanthrene	12.91	178	227828	11.11	ng	99
71) Anthracene	12.91	178	220994	10.86	ng	99
74) Fluoranthene	14.39	202	263100	11.75	ng	100
77) Pyrene	14.66	202	248288	10.07	ng	# 94
80) Benzo(a)anthracene	16.16	228	135313	5.73	ng	97
82) Chrysene	16.20	228	104140	4.69	ng	96
87) Benzo(b)fluoranthene	17.47	252	195054	8.21	ng	# 94
88) Benzo(k)fluoranthene	17.47	252	196192	8.43	ng	99
89) Benzo(a)pyrene	17.86	252	107233	4.74	ng	97
91) Benzo(g,h,i)perylene	19.81	276	65824	3.02	ng	98

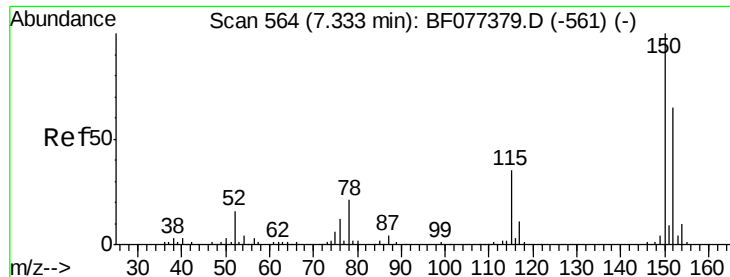
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 560

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

ClientSampled :

WASTE

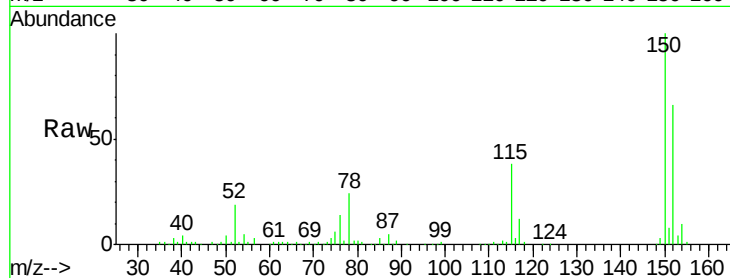
Tgt Ion:152 Resp: 93799

Ion Ratio Lower Upper

152 100

150 152.5 124.0 186.0

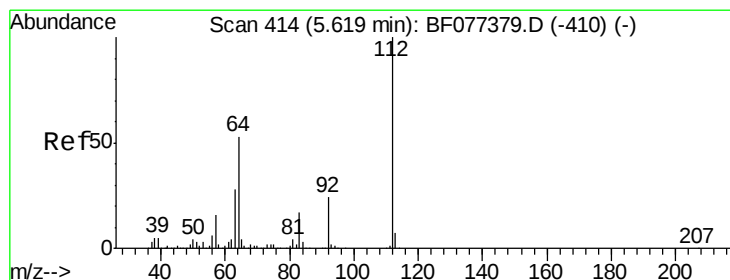
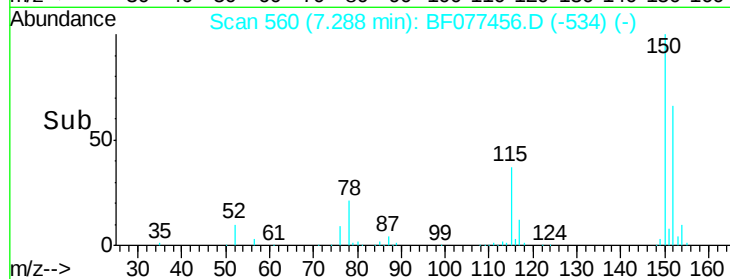
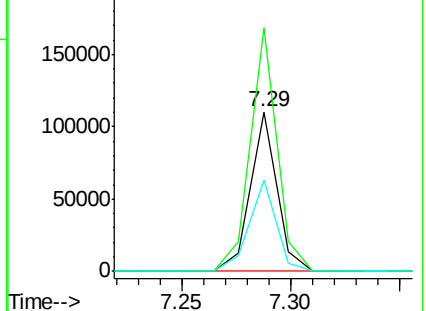
115 57.3 49.4 74.2



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: 79.45 ng

RT: 5.58 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

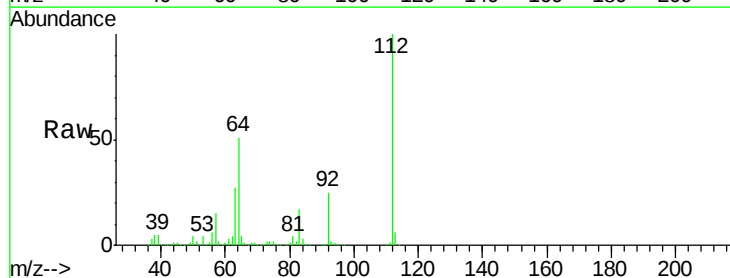
Tgt Ion:112 Resp: 446422

Ion Ratio Lower Upper

112 100

64 50.6 48.5 72.7

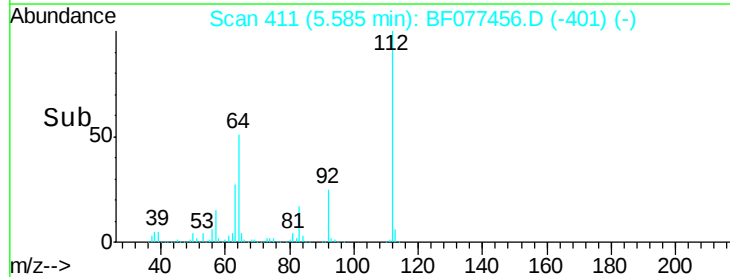
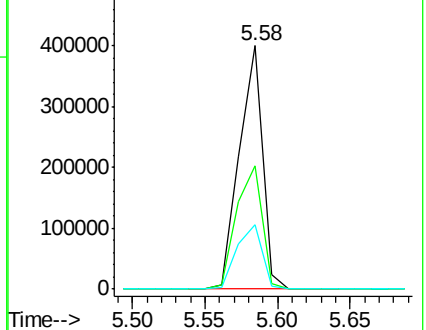
63 26.7 25.0 37.4



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: 75.92 ng

RT: 6.84 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

ClientSampleId :

WASTE

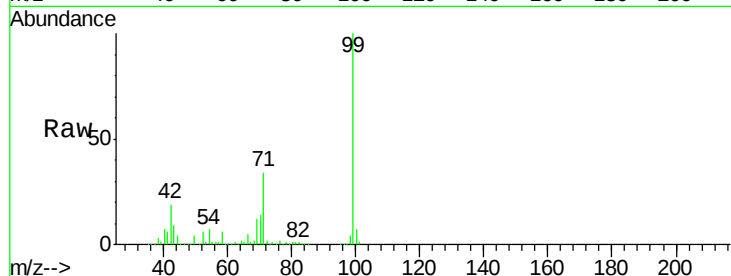
Tgt Ion: 99 Resp: 548419

Ion Ratio Lower Upper

99 100

42 18.6 16.2 24.4

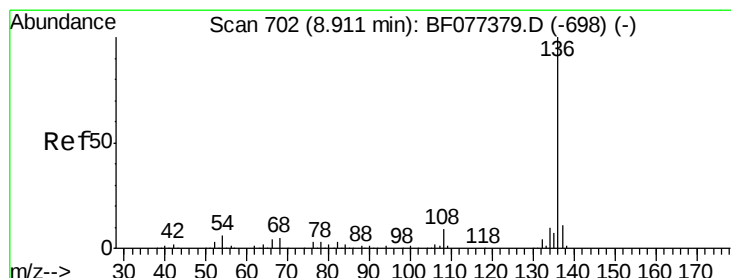
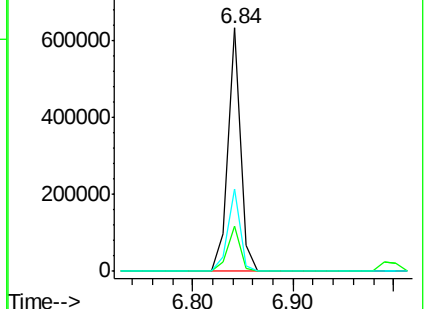
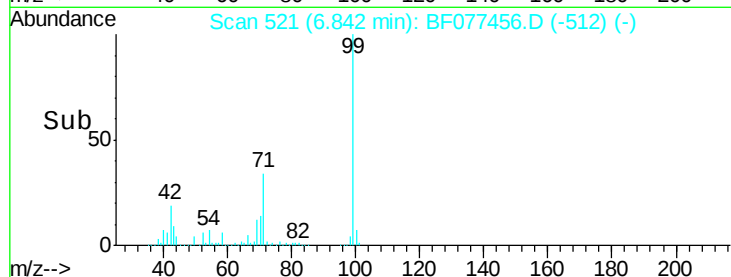
71 33.6 26.7 40.1



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: 8.86 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Tgt Ion: 136 Resp: 367036

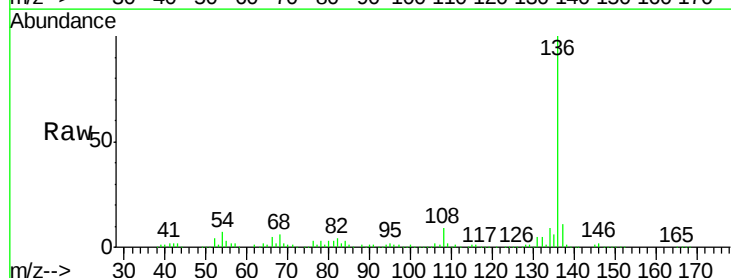
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 6.8 6.2 9.4

68 5.7 5.0 7.6

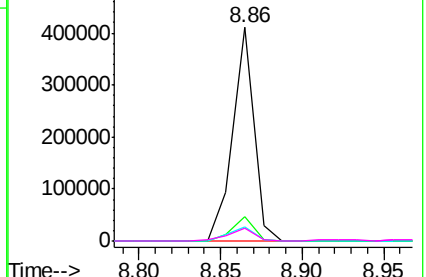
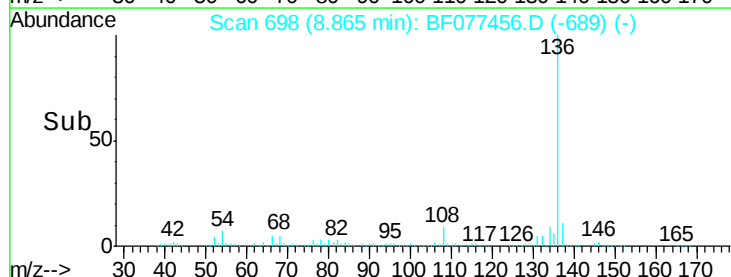


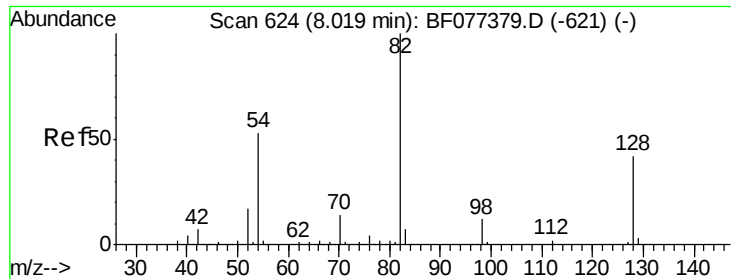
Abundance Ion 136.00 (135.70 to 136.70): E

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

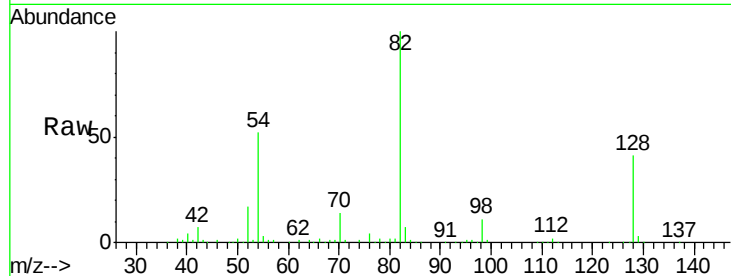




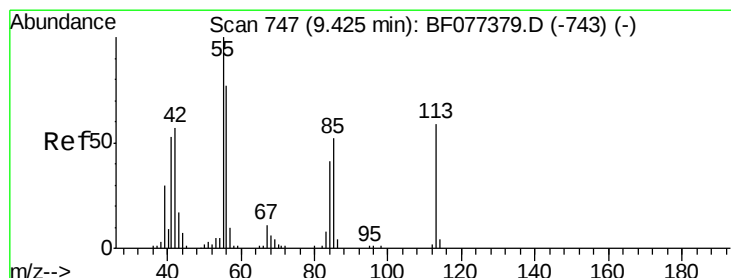
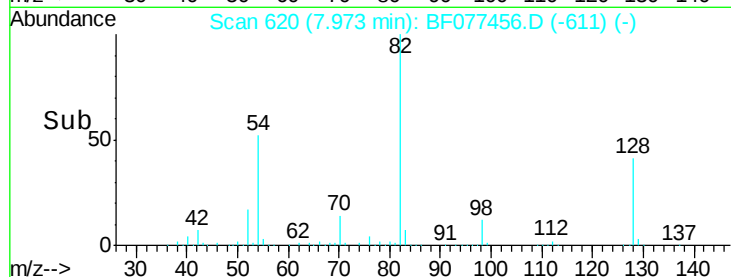
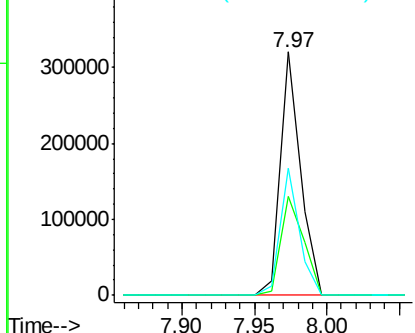
#23
 Nitrobenzene-d5
 Concen: 52.84 ng
 RT: 7.97 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Instrument :
 BNA_F
 ClientSampled :
 WASTE

Tgt Ion: 82 Resp: 311868
 Ion Ratio Lower Upper
 82 100
 128 40.8 43.8 65.8#
 54 52.4 36.7 55.1

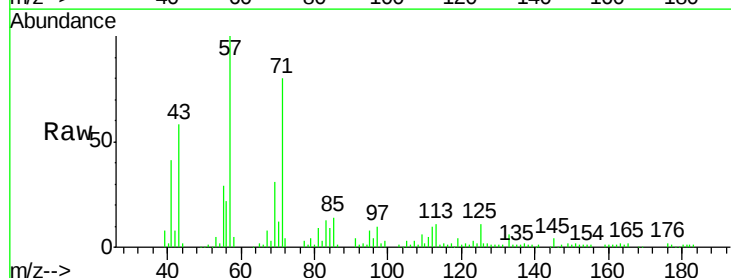


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

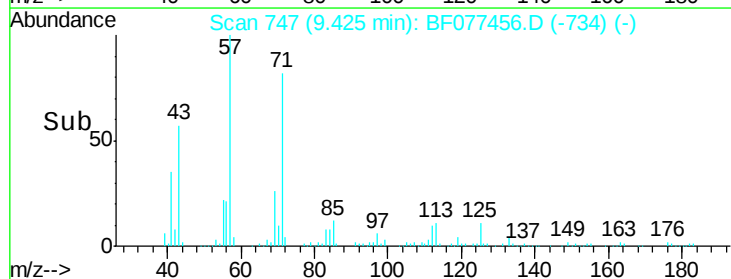
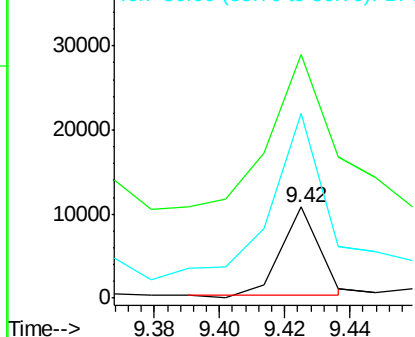


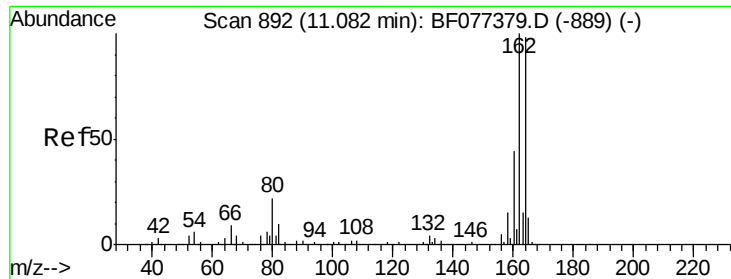
#35
 Caprolactam
 Concen: 5.15 ng
 RT: 9.42 min Scan# 747
 Delta R.T. 0.05 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Tgt Ion: 113 Resp: 8397
 Ion Ratio Lower Upper
 113 100
 55 267.2 154.6 194.6#
 56 202.7 114.0 154.0#



Abundance Ion 113.00 (112.70 to 113.70): BF0
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

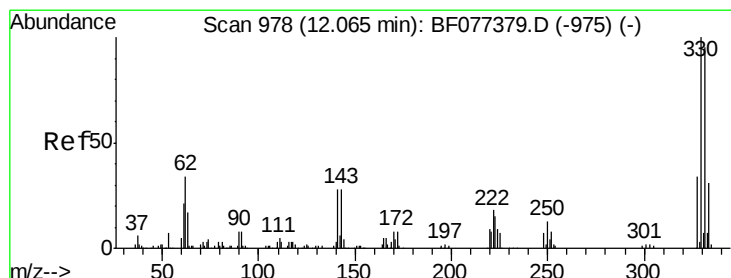
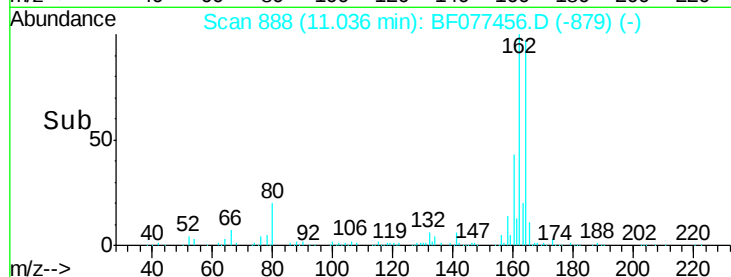
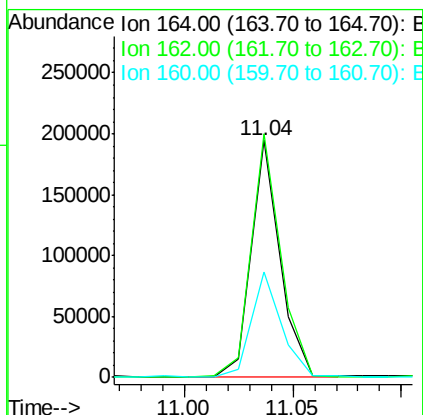
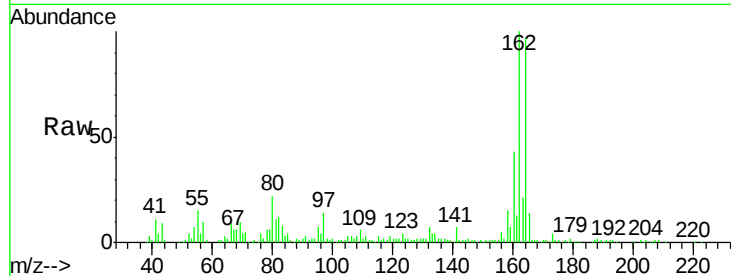




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 888
Delta R.T. -0.00 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

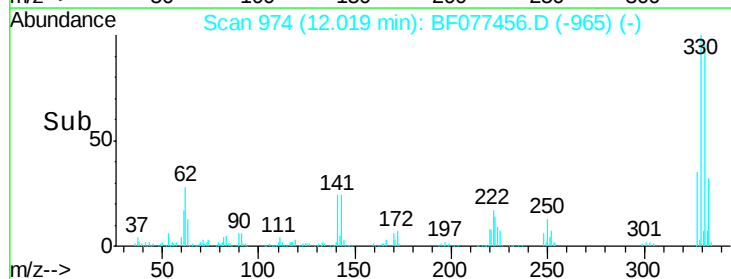
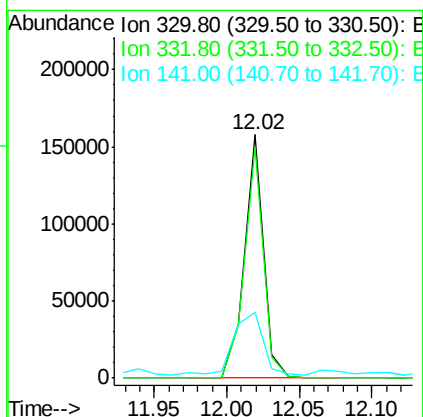
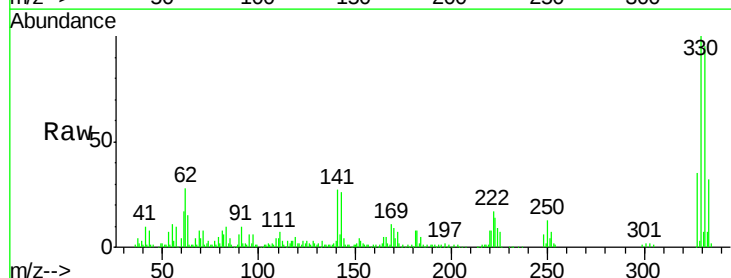
Instrument :
BNA_F
ClientSampleId :
WASTE

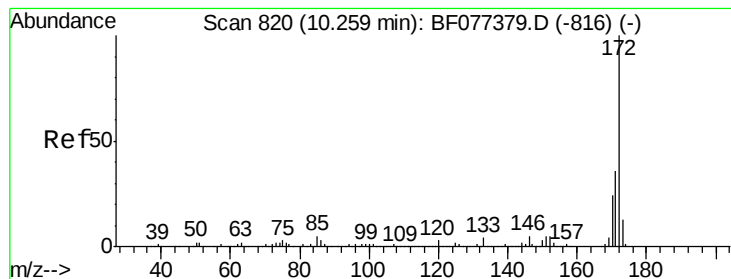
Tgt Ion:164 Resp: 177295
Ion Ratio Lower Upper
164 100
162 102.8 83.2 124.8
160 44.4 34.6 52.0



#41
2,4,6-Tribromophenol
Concen: 84.65 ng
RT: 12.02 min Scan# 974
Delta R.T. -0.00 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Tgt Ion:330 Resp: 144505
Ion Ratio Lower Upper
330 100
332 94.7 77.4 116.2
141 39.2 28.8 43.2

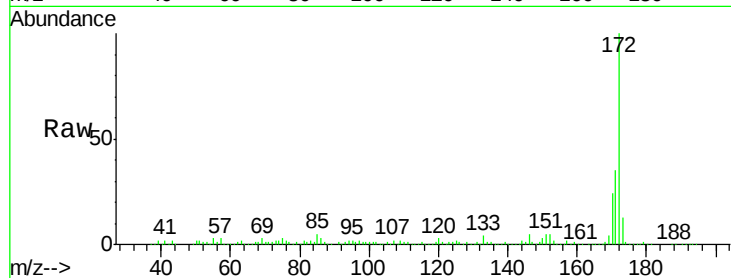




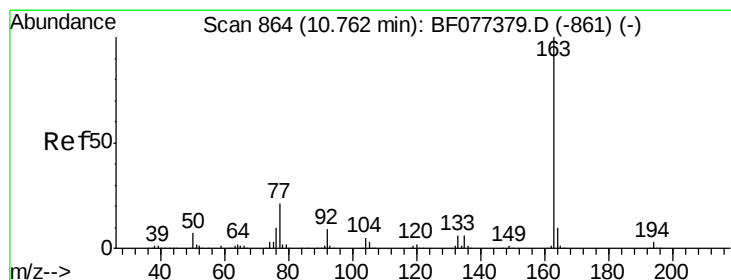
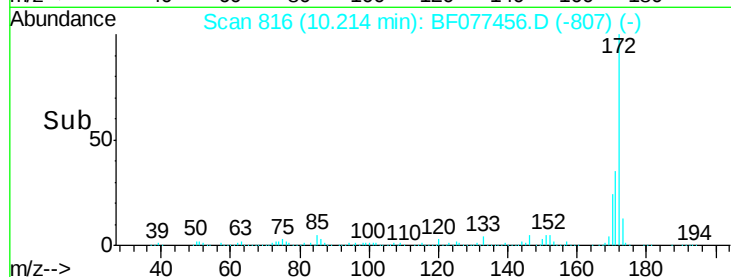
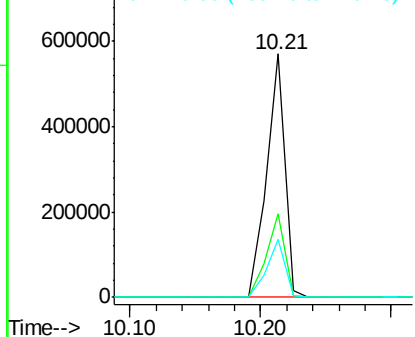
#44
2-Fluorobiphenyl
Concen: 49.29 ng
RT: 10.21 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:172 Resp: 560462
Ion Ratio Lower Upper
172 100
171 34.6 28.9 43.3
170 23.7 19.4 29.2

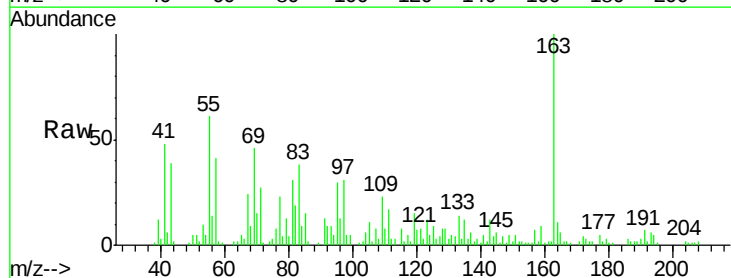


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

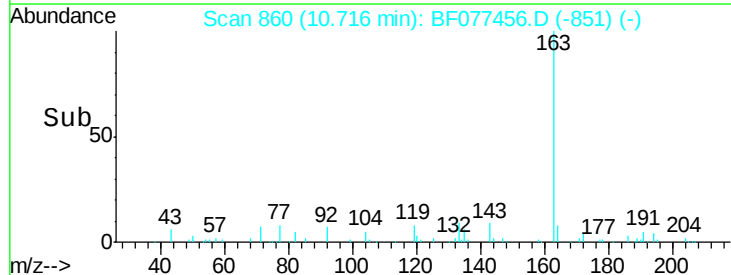
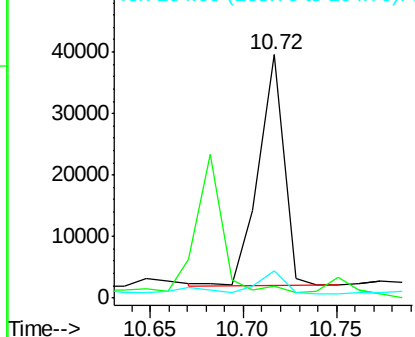


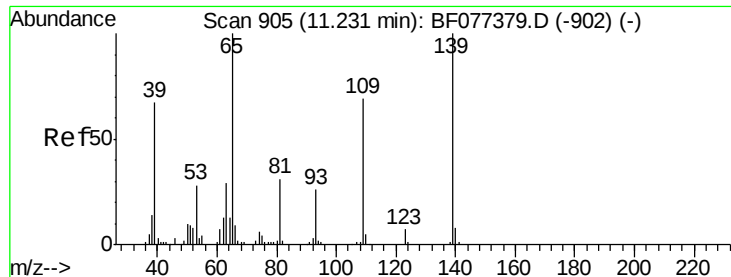
#49
Dimethylphthalate
Concen: 2.82 ng
RT: 10.72 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Tgt Ion:163 Resp: 35202
Ion Ratio Lower Upper
163 100
194 4.9 2.6 4.0#
164 11.4 8.6 13.0



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

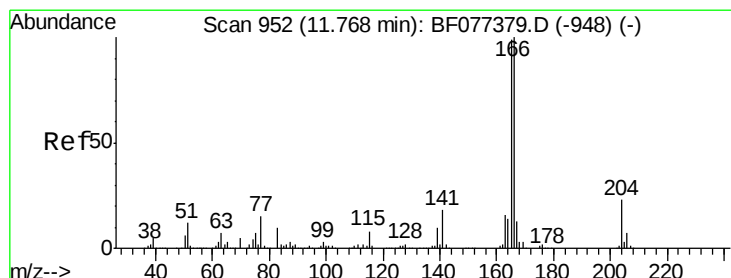
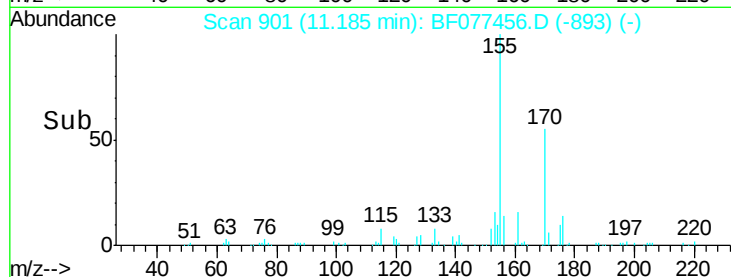
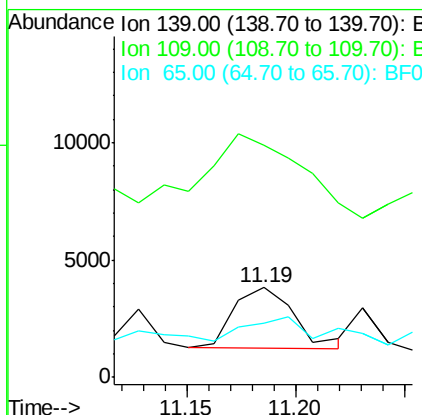
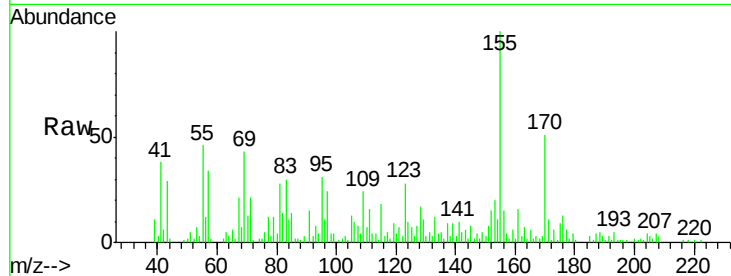




#55
4-Nitrophenol
Concen: 2.20 ng
RT: 11.19 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

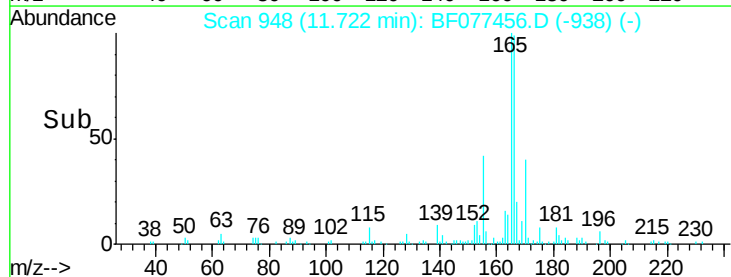
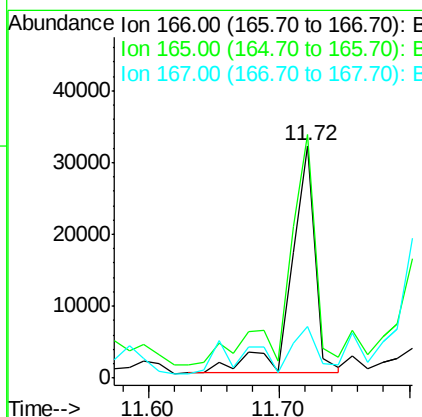
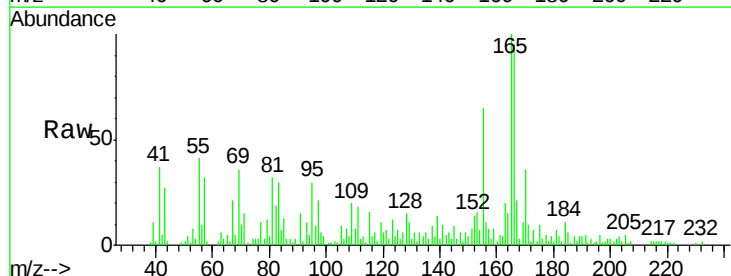
Instrument :
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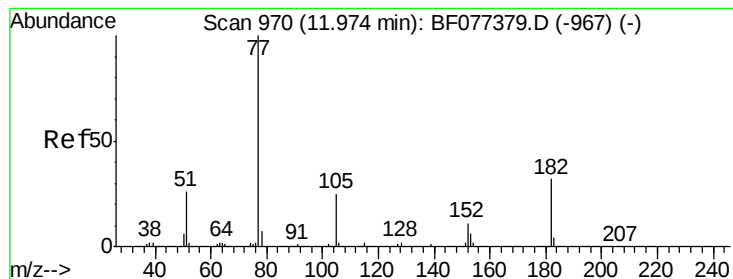
Tgt Ion:139 Resp: 5100
Ion Ratio Lower Upper
139 100
109 259.0 36.2 76.2#
65 60.9 40.3 80.3



#57
Fluorene
Concen: 3.32 ng
RT: 11.72 min Scan# 948
Delta R.T. 0.01 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Tgt Ion:166 Resp: 40742
Ion Ratio Lower Upper
166 100
165 104.8 77.6 116.4
167 22.1 10.6 16.0#





#62

Azobenzene

Concen: 3.29 ng

RT: 11.94 min Scan# 967

Delta R.T. 0.02 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion: 77 Resp: 38304

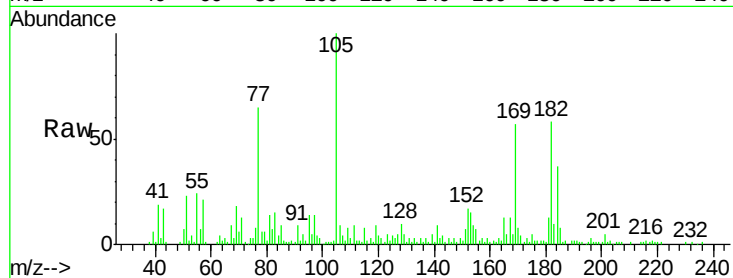
Ion Ratio Lower Upper

77 100

182 89.5 4.9 44.9#

105 154.7 3.3 43.3#

51 35.7 8.9 48.9

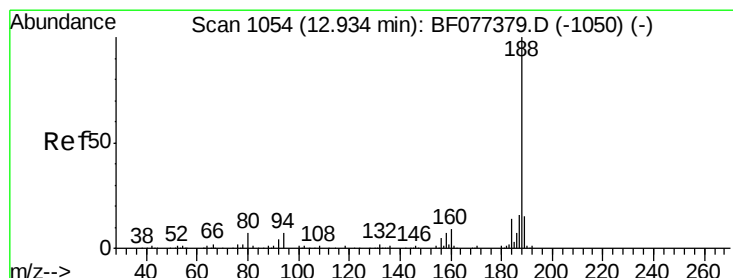
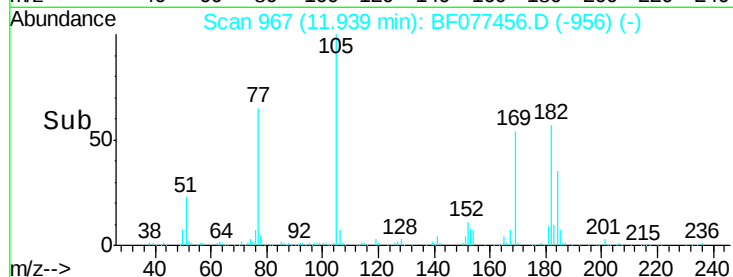
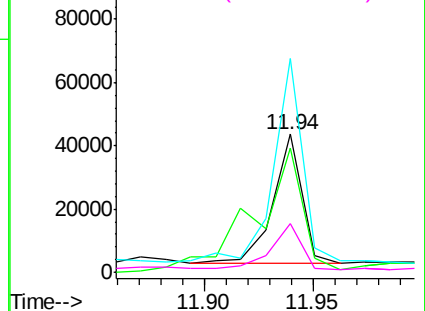


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.88 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

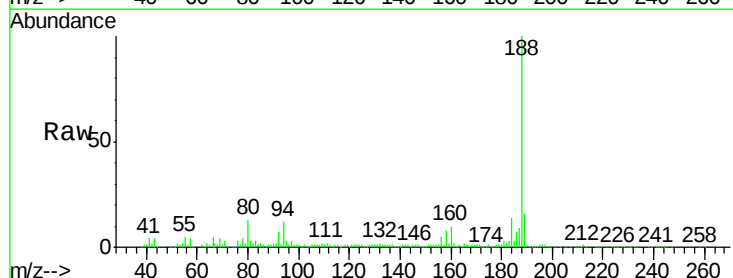
Tgt Ion: 188 Resp: 353653

Ion Ratio Lower Upper

188 100

94 12.2 7.4 11.2#

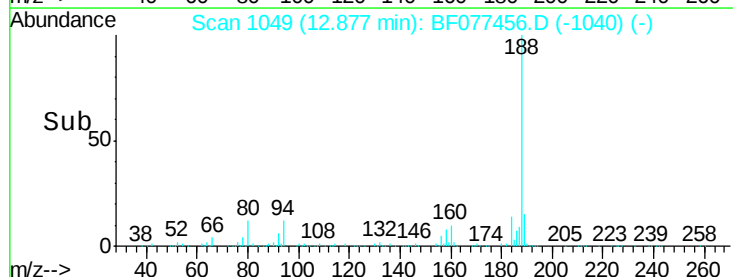
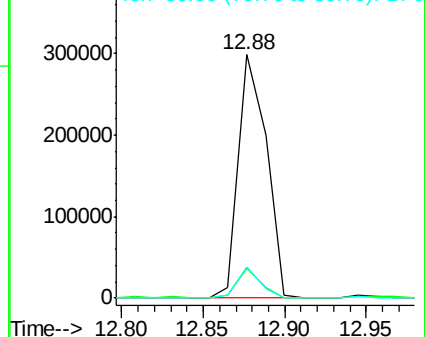
80 12.6 8.0 12.0#

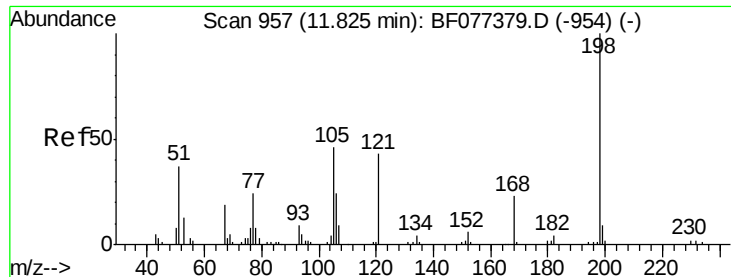


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 4.20 ng

RT: 11.83 min Scan# 957

Delta R.T. 0.05 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

ClientSampleId :

WASTE

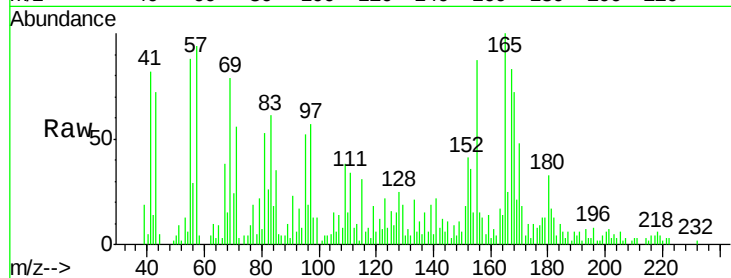
Tgt Ion:198 Resp: 752

Ion Ratio Lower Upper

198 100

51 399.8 2.7 42.7#

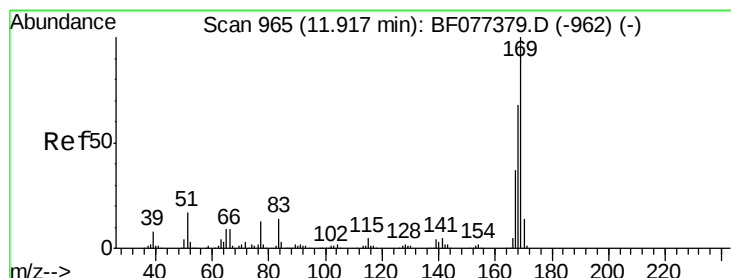
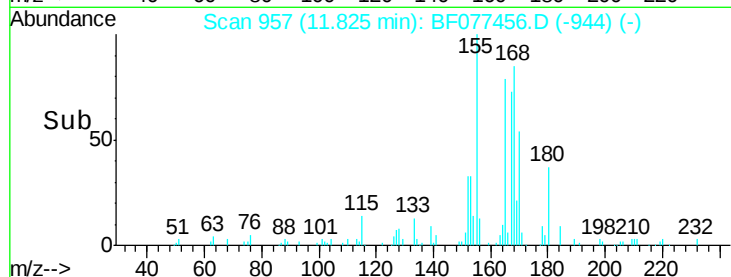
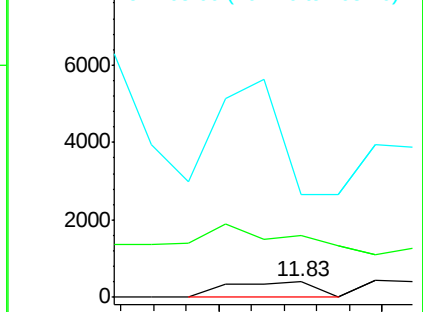
105 664.5 10.0 50.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 5.74 ng

RT: 11.87 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

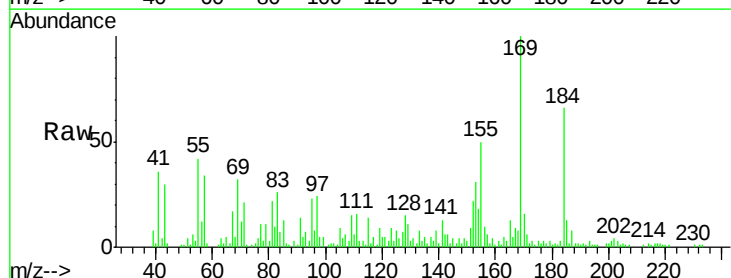
Tgt Ion:169 Resp: 67392

Ion Ratio Lower Upper

169 100

168 8.1 53.0 79.6#

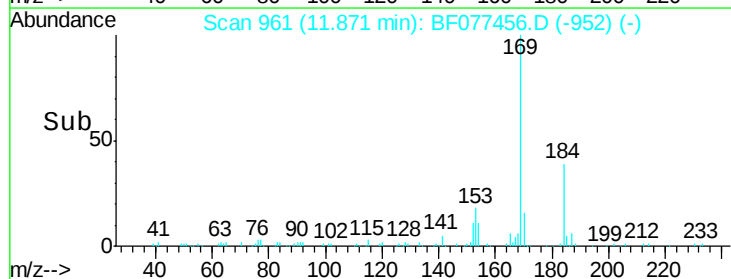
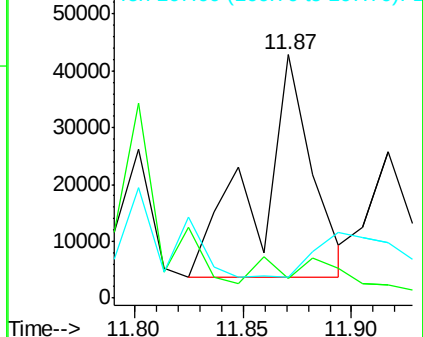
167 8.8 29.5 44.3#

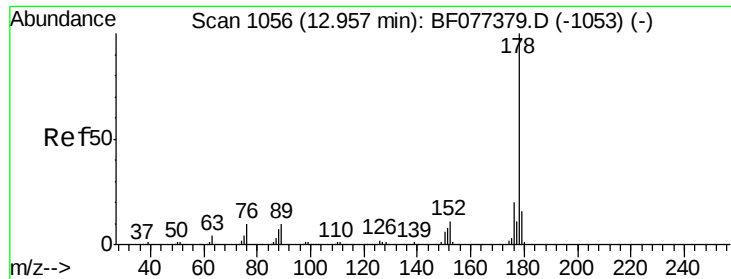


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

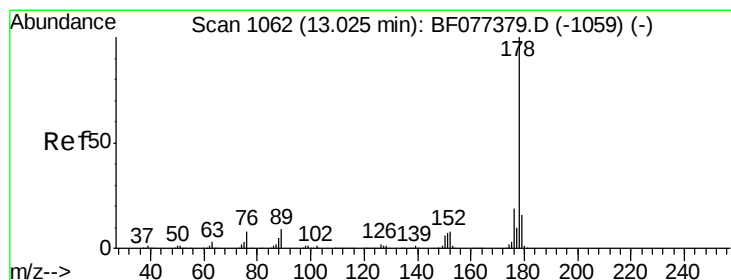
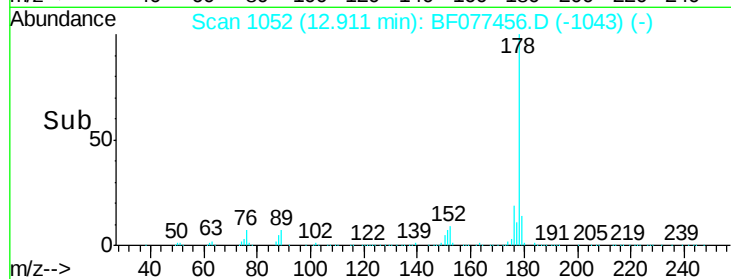
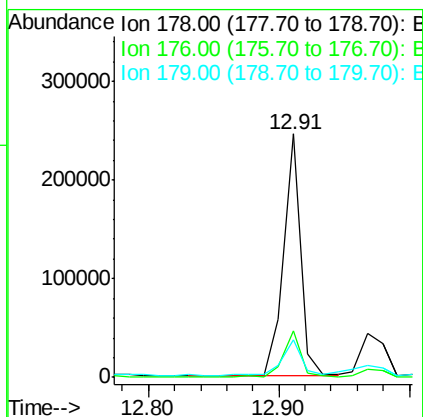
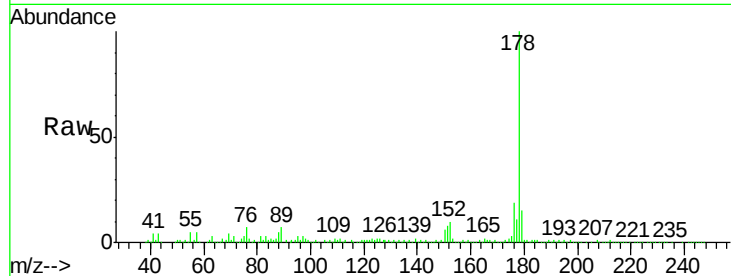




#70
Phenanthrene
Concen: 11.11 ng
RT: 12.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

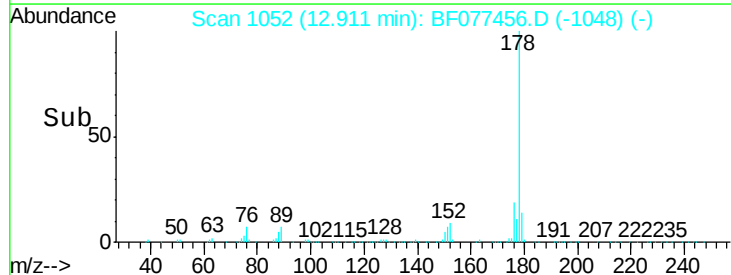
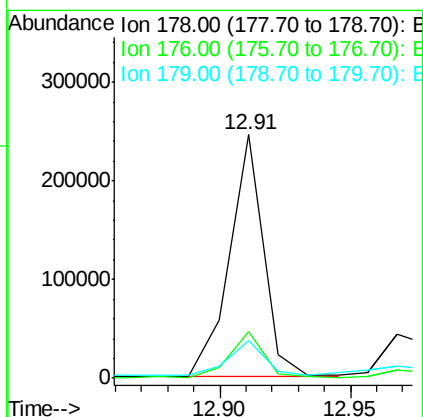
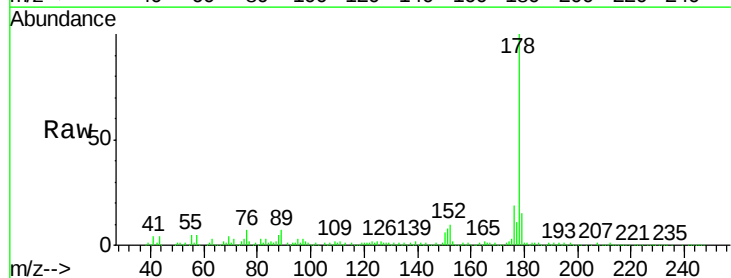
Instrument :
BNA_F
ClientSampleId :
WASTE

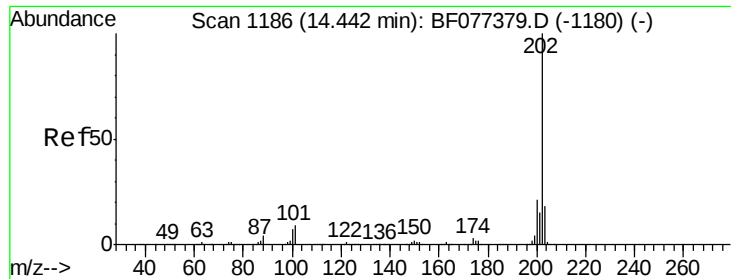
Tgt Ion:178 Resp: 227828
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.3 12.2 18.2



#71
Anthracene
Concen: 10.86 ng
RT: 12.91 min Scan# 1052
Delta R.T. -0.06 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Tgt Ion:178 Resp: 220994
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.9 19.3

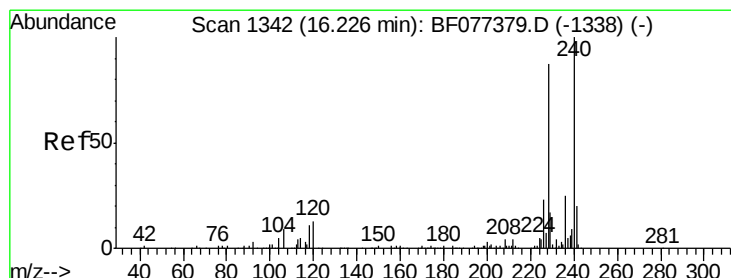
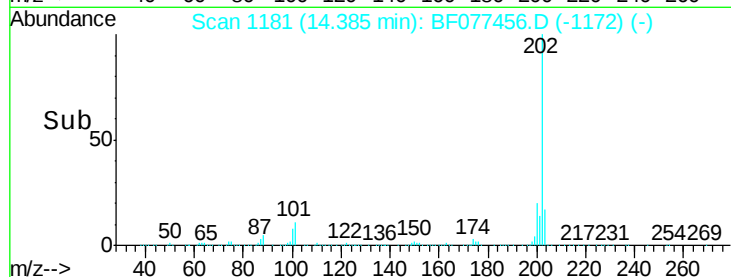
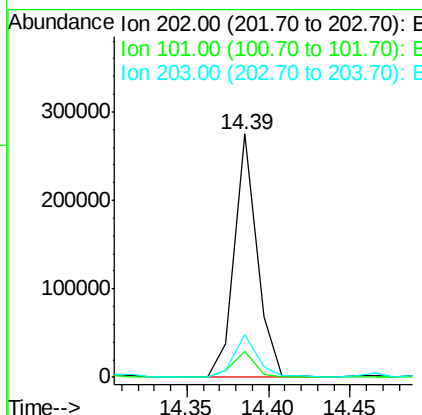
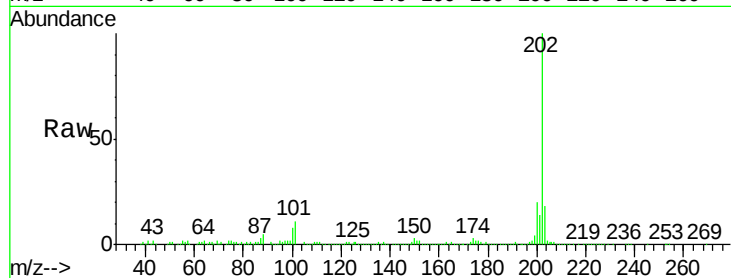




#74
 Fluoranthene
 Concen: 11.75 ng
 RT: 14.39 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

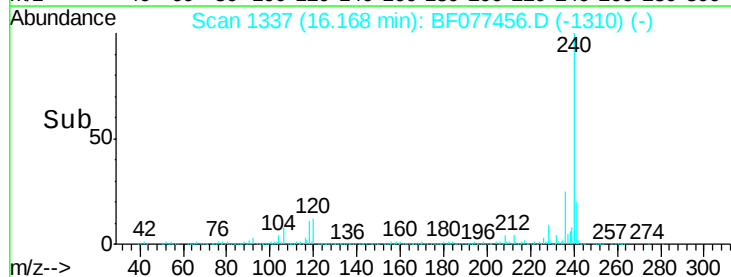
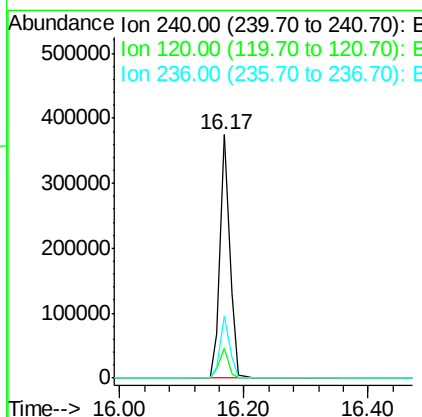
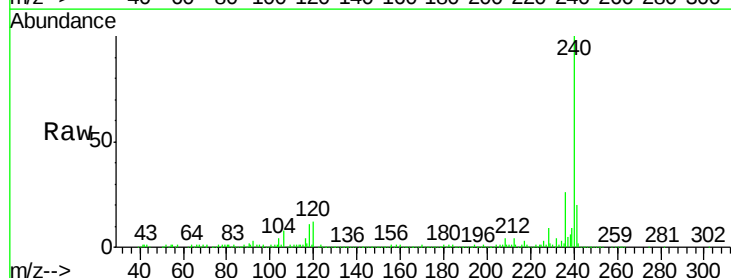
Instrument :
 BNA_F
 ClientSampleId :
 WASTE

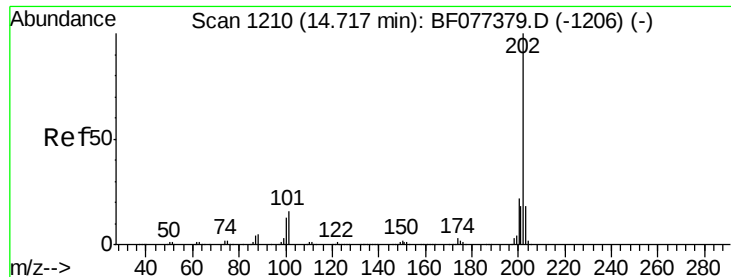
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.8
203	17.5	0.0	37.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.17 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.8	13.2
236	25.6	20.7	31.1





#77

Pyrene

Concen: 10.07 ng

RT: 14.66 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

ClientSampleId :

WASTE

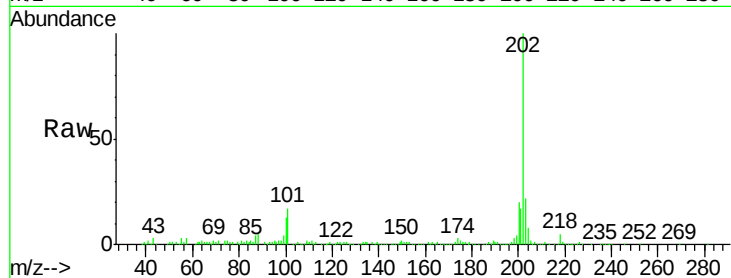
Tgt Ion:202 Resp: 248288

Ion Ratio Lower Upper

202 100

200 20.1 17.1 25.7

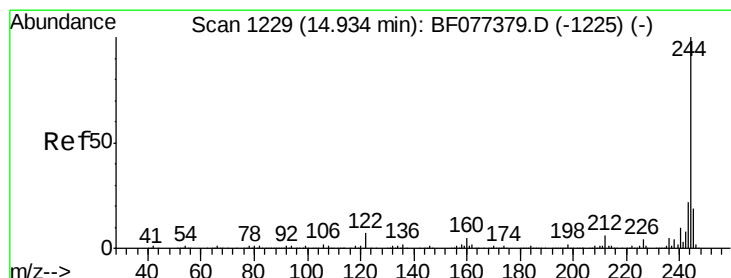
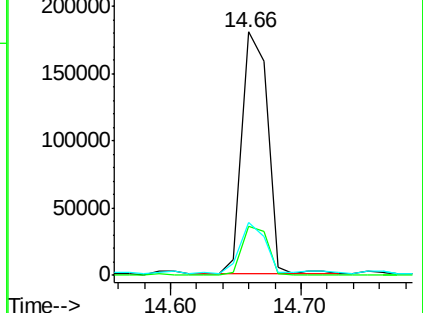
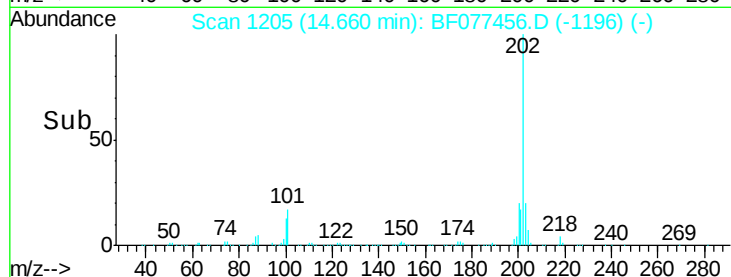
203 21.8 14.2 21.2#



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: 40.58 ng

RT: 14.88 min Scan# 1224

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

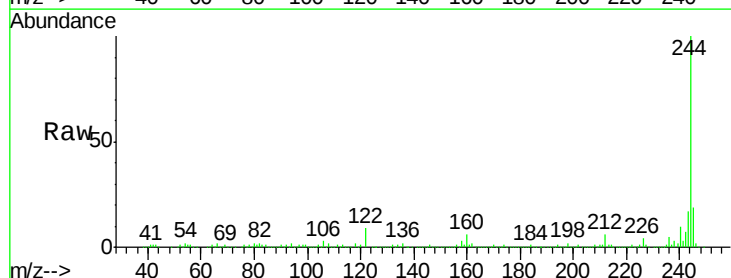
Tgt Ion:244 Resp: 700029

Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

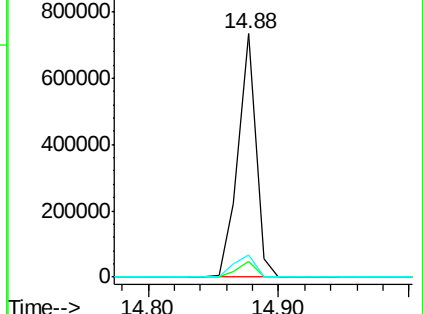
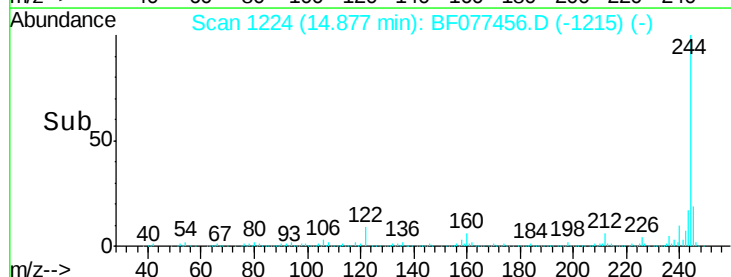
122 9.1 7.8 11.8

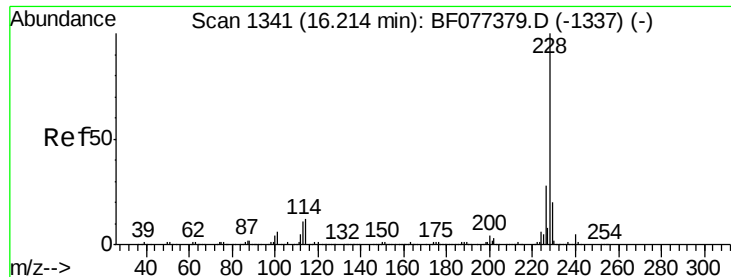


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.73 ng

RT: 16.16 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

ClientSampleId :

WASTE

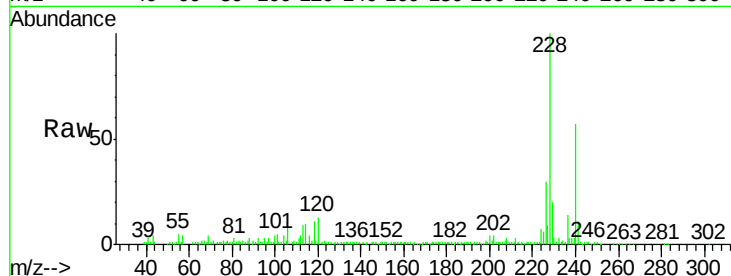
Tgt Ion:228 Resp: 135313

Ion Ratio Lower Upper

228 100

226 30.2 22.0 33.0

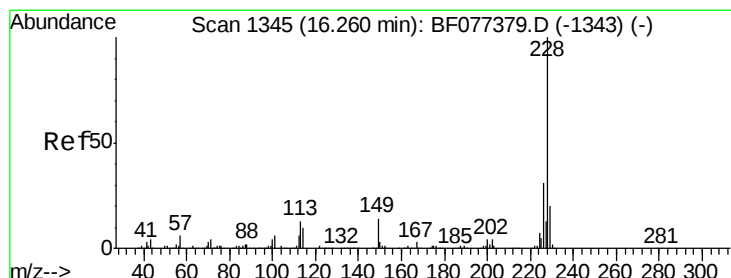
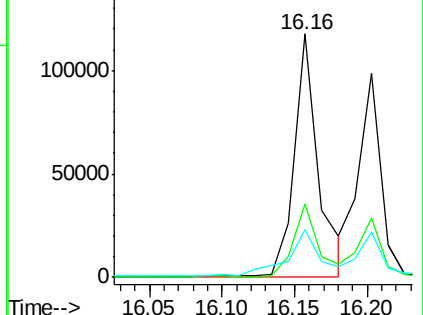
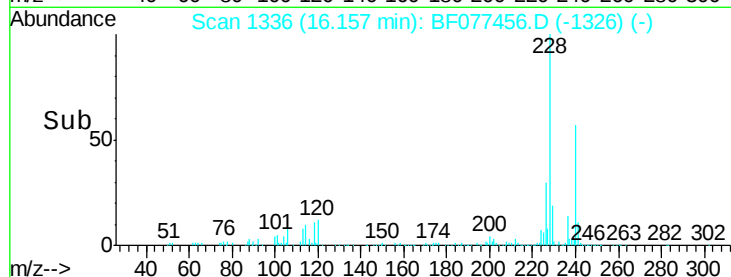
229 19.7 15.8 23.8



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: 4.69 ng

RT: 16.20 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

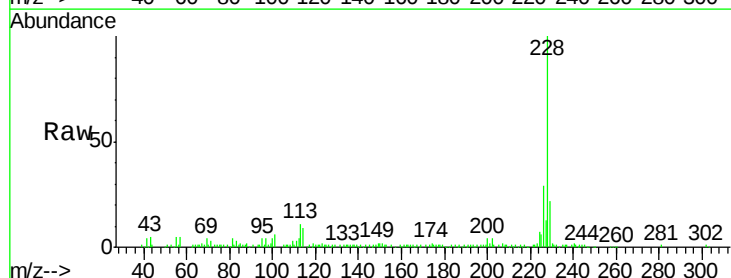
Tgt Ion:228 Resp: 104140

Ion Ratio Lower Upper

228 100

226 28.9 24.9 37.3

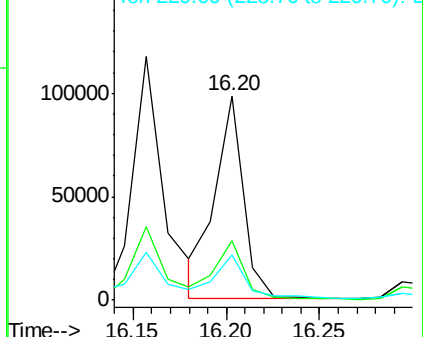
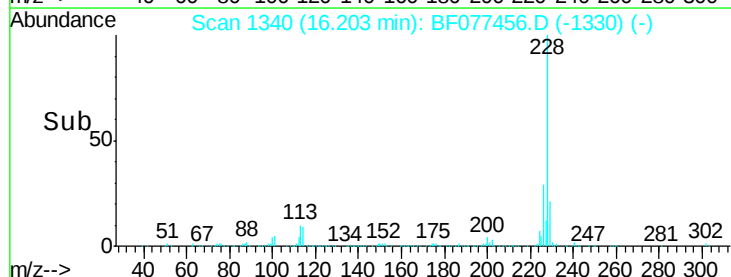
229 22.3 16.4 24.6

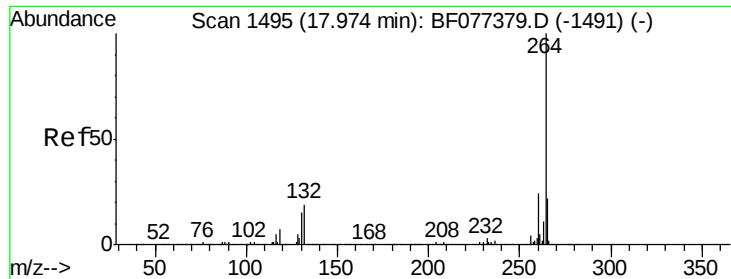


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

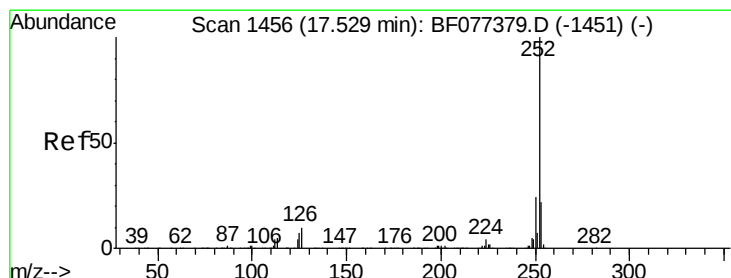
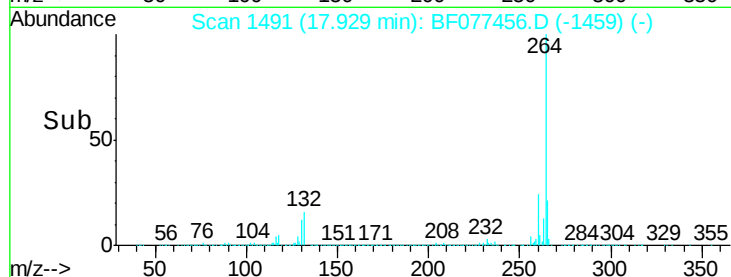
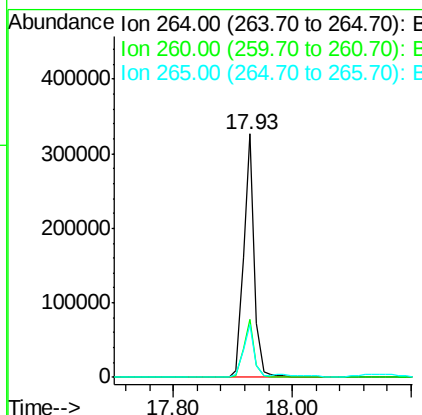
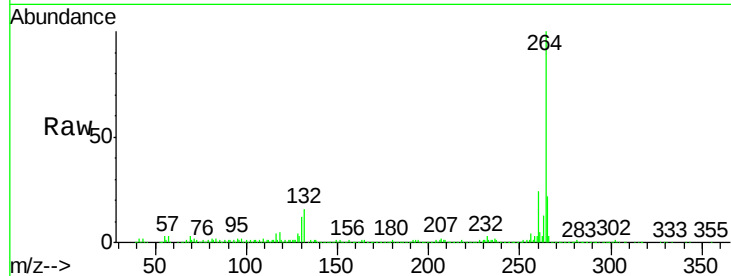




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.93 min Scan# 1491
Delta R.T. 0.07 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

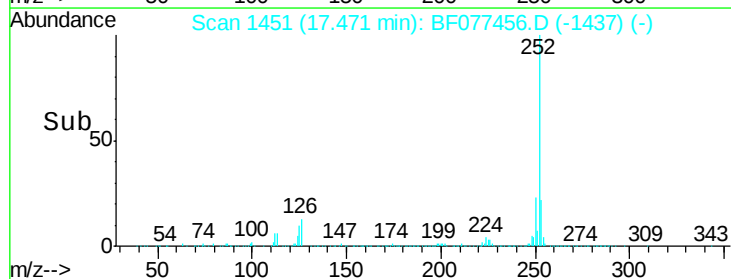
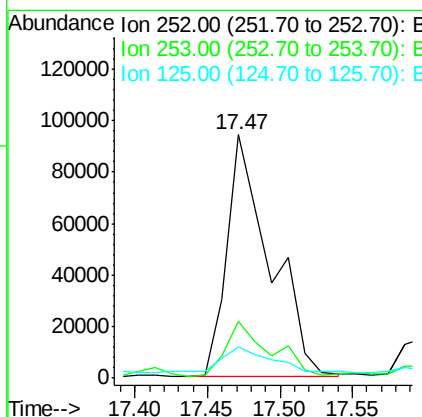
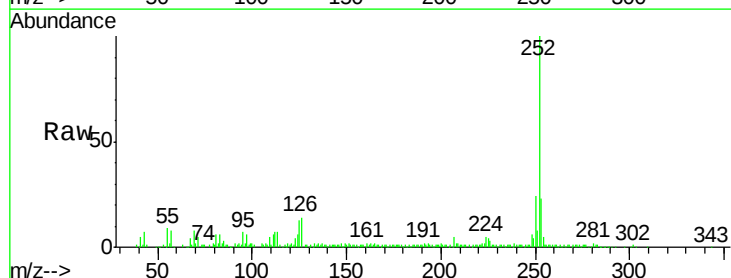
Instrument :
BNA_F
ClientSampleId :
WASTE

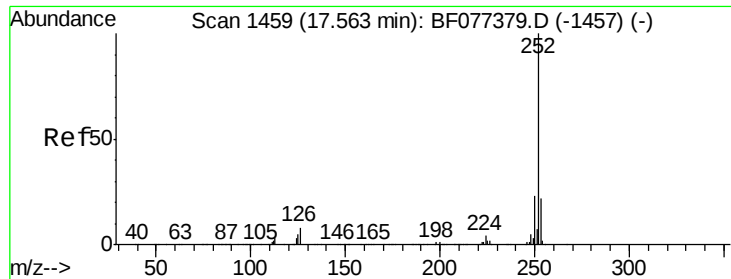
Tgt Ion:264 Resp: 408339
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 21.6 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 8.21 ng
RT: 17.47 min Scan# 1451
Delta R.T. 0.06 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Tgt Ion:252 Resp: 195054
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 12.7 5.4 8.2#

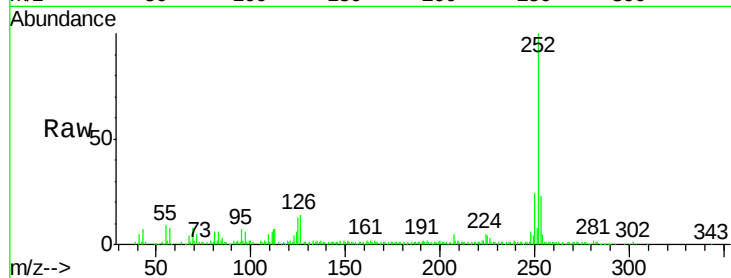




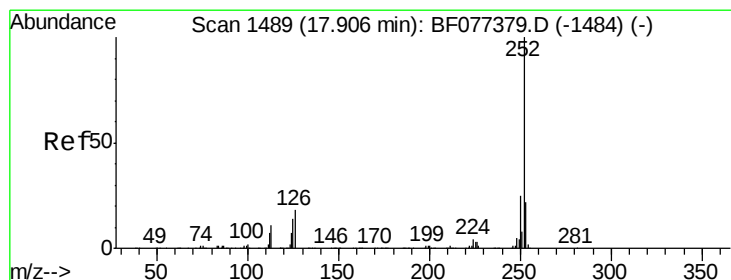
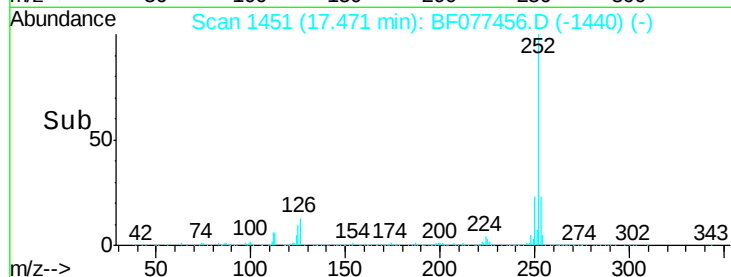
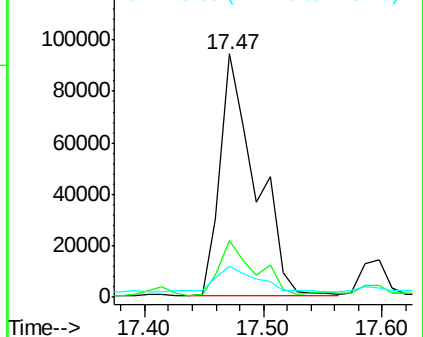
#88
Benzo(k)fluoranthene
Concen: 8.43 ng
RT: 17.47 min Scan# 1451
Delta R.T. 0.02 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:	252	Resp:	196192
Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	12.7	10.1	15.1

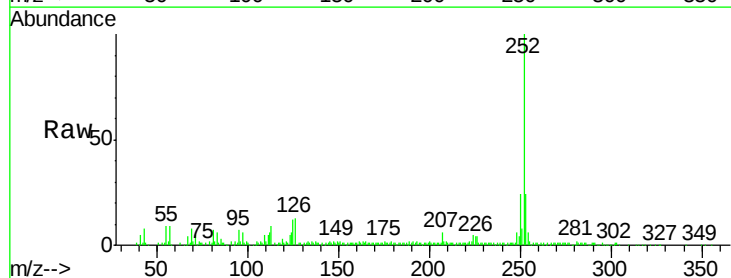


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

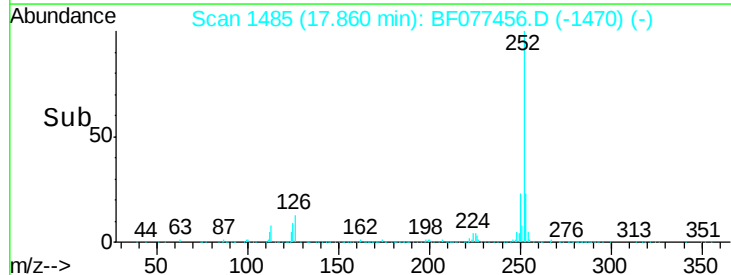
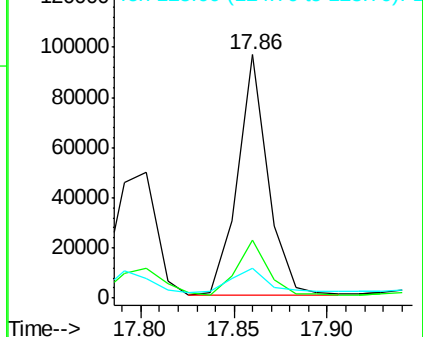


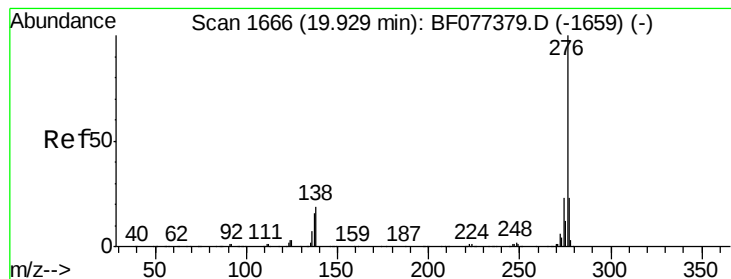
#89
Benzo(a)pyrene
Concen: 4.74 ng
RT: 17.86 min Scan# 1485
Delta R.T. 0.07 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Tgt Ion:	252	Resp:	107233
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	12.3	8.3	12.5



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





#91

Benzo(g,h,i)perylene

Concen: 3.02 ng

RT: 19.81 min Scan# 1656

Delta R.T. 0.07 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion: 276 Resp: 65824

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 27.7 20.5 30.7

