

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
 Data File : BF079176.D
 Acq On : 13 May 2015 00:04
 Operator : TP/IZ
 Sample : G2197-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-SAMPLE

Quant Time: May 13 01:19:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 00:53:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	54572	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	223354	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	104781	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	203455	20.00	ng	0.00
75) Chrysene-d12	16.17	240	222171	20.00	ng	-0.02
86) Perylene-d12	17.87	264	234507	20.00	ng	-0.15

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	415876	131.18	ng	0.01
7) Phenol-d6	6.84	99	531922	126.93	ng	0.00
23) Nitrobenzene-d5	7.98	82	318774	82.03	ng	0.00
41) 2,4,6-Tribromophenol	12.02	330	146336	129.10	ng	0.01
44) 2-Fluorobiphenyl	10.20	172	593155	78.87	ng	0.00
78) Terphenyl-d14	14.88	244	681173	73.40	ng	0.00

Target Compounds

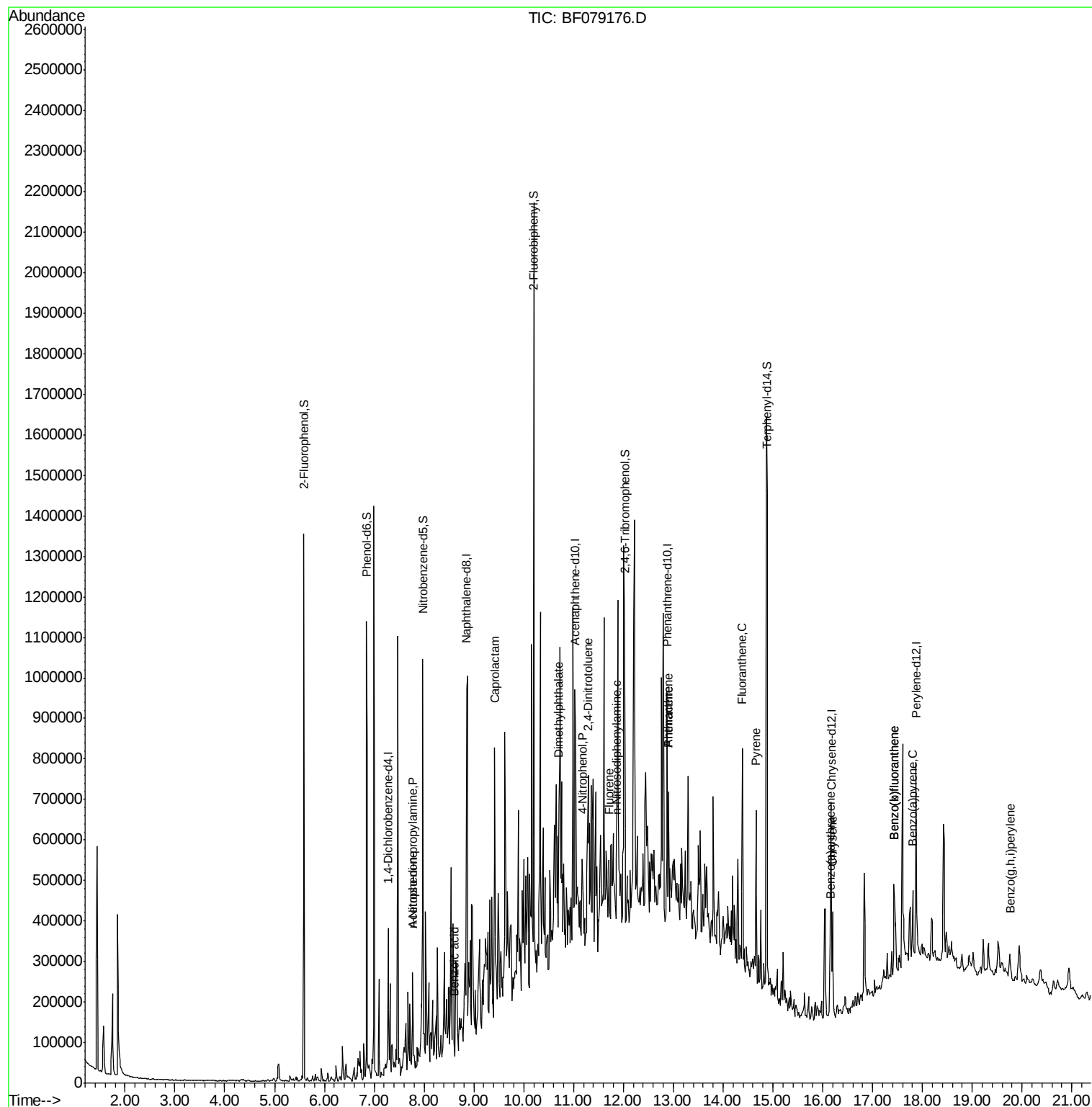
						Qvalue
19) n-Nitroso-di-n-propylamine	7.77	70	6201	2.19	ng	# 39
22) Acetophenone	7.77	105	37825	7.50	ng	# 46
32) Benzoic acid	8.60	122	206	6.40	ng	# 1
35) Caprolactam	9.42	113	13834	15.08	ng	# 41
49) Dimethylphthalate	10.71	163	40333	5.24	ng	98
55) 4-Nitrophenol	11.18	139	6263	4.17	ng	# 38
56) 2,4-Dinitrotoluene	11.29	165	5937	2.96	ng	# 59
57) Fluorene	11.71	166	27049	3.59	ng	# 82
65) n-Nitrosodiphenylamine	11.86	169	49197	7.26	ng	# 48
70) Phenanthrene	12.90	178	176551	15.51	ng	99
71) Anthracene	12.90	178	166280	14.89	ng	98
74) Fluoranthene	14.39	202	237977	20.07	ng	95
77) Pyrene	14.66	202	199088	15.55	ng	# 95
80) Benzo(a)anthracene	16.15	228	81451	6.69	ng	97
82) Chrysene	16.19	228	102703	8.78	ng	97
87) Benzo(b)fluoranthene	17.43	252	142120	11.07	ng	# 94
88) Benzo(k)fluoranthene	17.43	252	184651	14.86	ng	# 96
89) Benzo(a)pyrene	17.81	252	80848	6.84	ng	# 94
91) Benzo(g,h,i)perylene	19.76	276	56197	4.46	ng	96

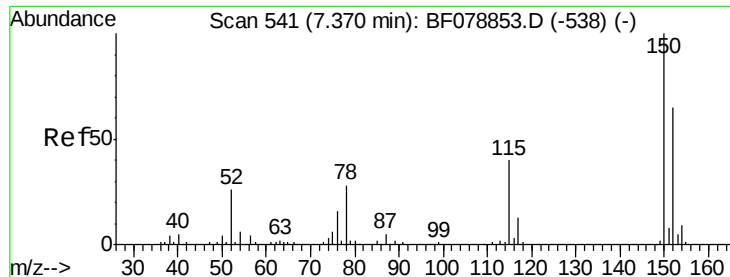
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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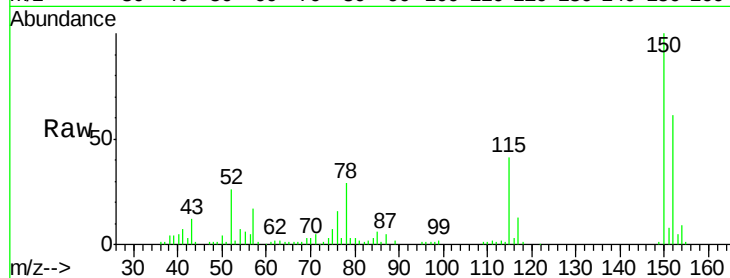


#1

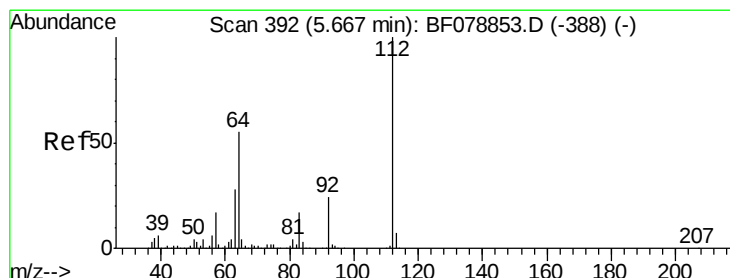
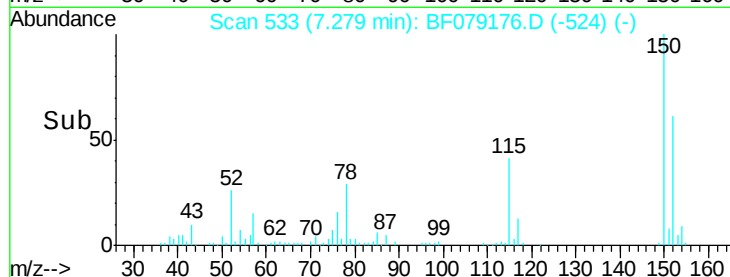
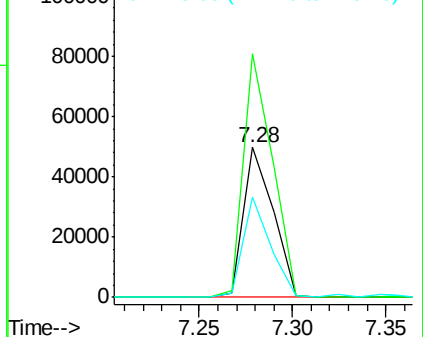
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

Instrument :
BNA_F
ClientSampleId :
WASTE-SAMPLE

Tgt Ion:152 Resp: 54572
Ion Ratio Lower Upper
152 100
150 162.7 122.0 183.0
115 66.9 46.3 69.5



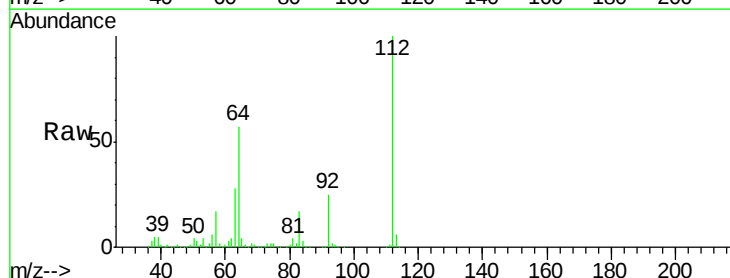
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



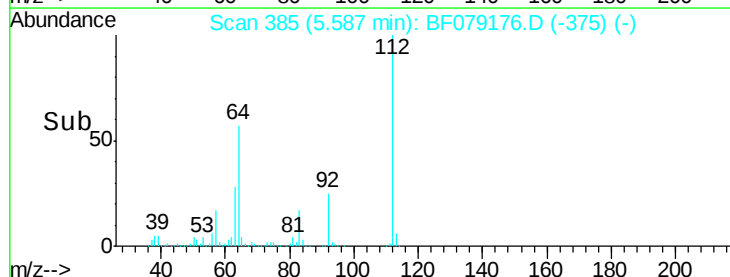
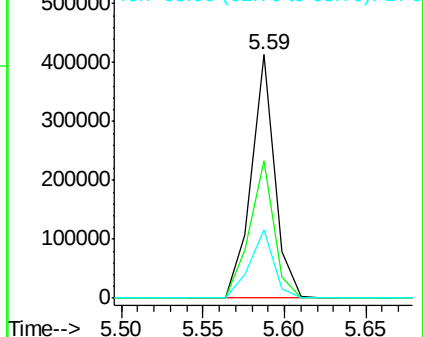
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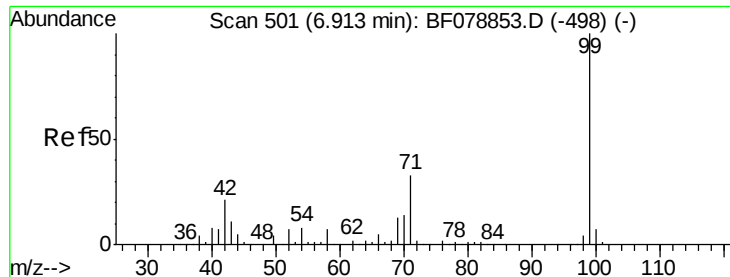
2-Fluorophenol
Concen: 131.18 ng
RT: 5.59 min Scan# 385
Delta R.T. 0.01 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

Tgt Ion:112 Resp: 415876
Ion Ratio Lower Upper
112 100
64 56.5 53.5 80.3
63 28.2 27.5 41.3



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: 126.93 ng

RT: 6.84 min Scan# 495

Delta R.T. -0.00 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

Instrument :

BNA_F

ClientSampleId :

WASTE-SAMPLE

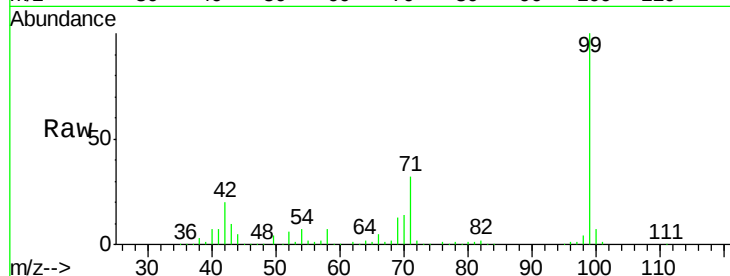
Tgt Ion: 99 Resp: 531922

Ion Ratio Lower Upper

99 100

42 19.7 12.8 19.2#

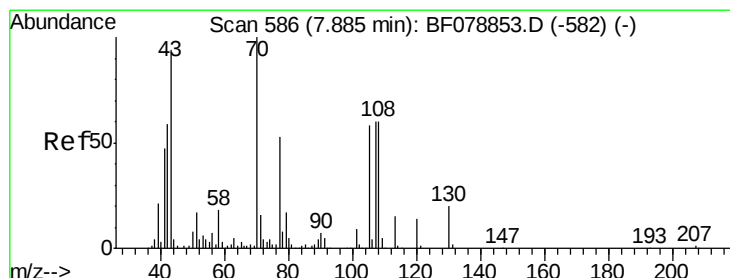
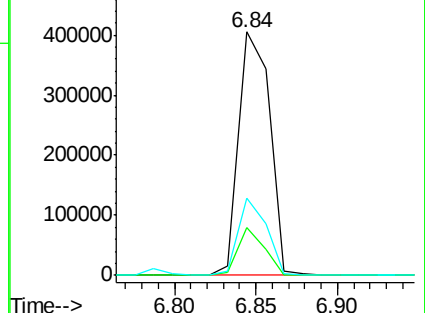
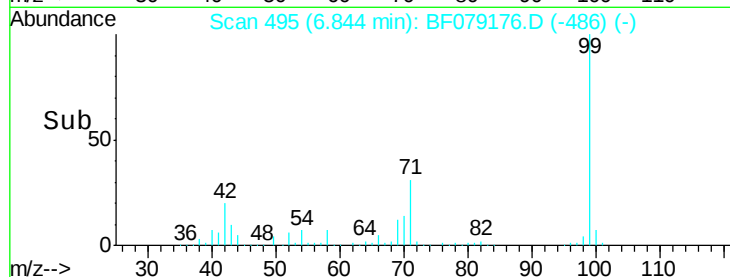
71 31.9 23.4 35.2



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: 2.19 ng

RT: 7.77 min Scan# 576

Delta R.T. -0.02 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

Tgt Ion: 70 Resp: 6201

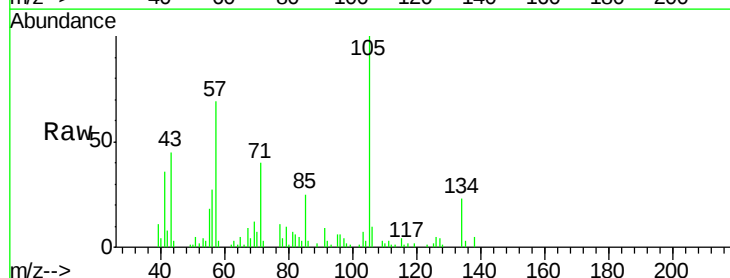
Ion Ratio Lower Upper

70 100

42 127.3 55.4 83.0#

101 0.0 6.6 10.0#

130 0.0 11.9 17.9#

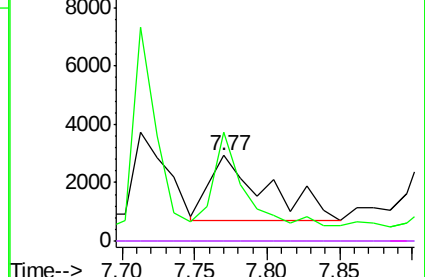
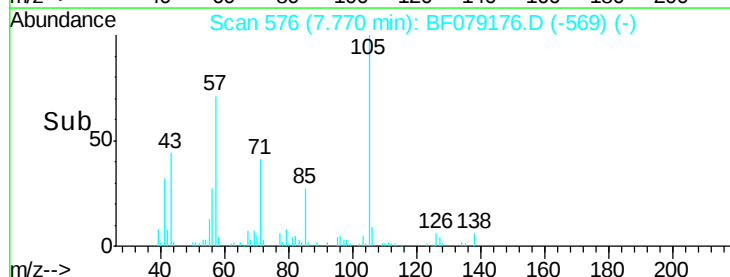


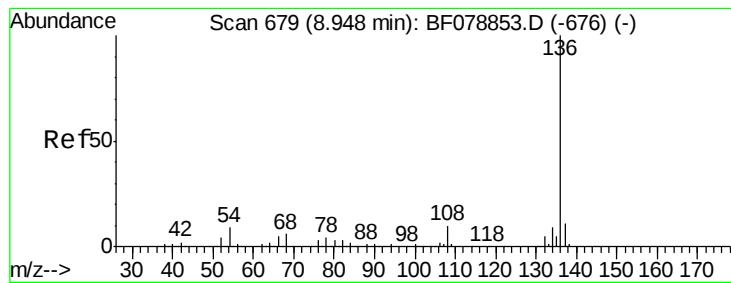
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.86 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

Instrument :

BNA_F

ClientSampleId :

WASTE-SAMPLE

Tgt Ion:136 Resp: 223354

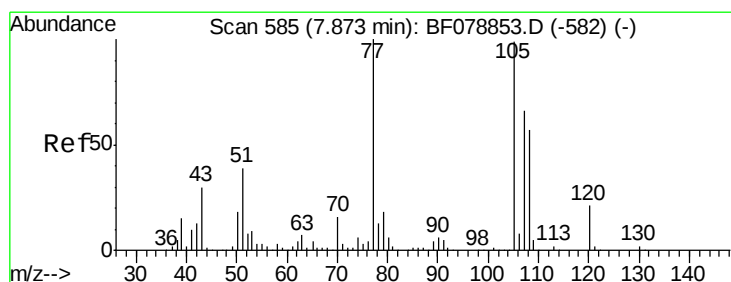
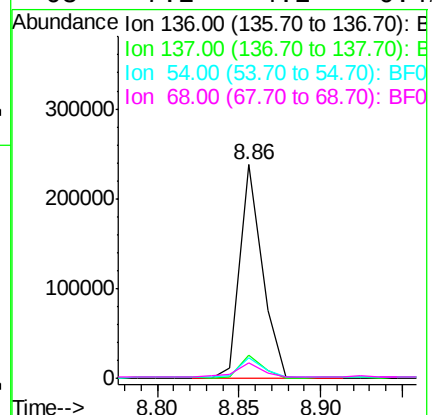
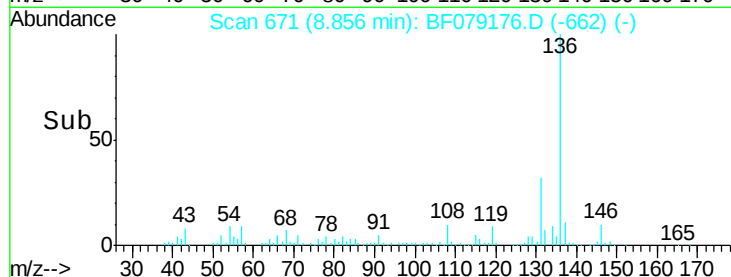
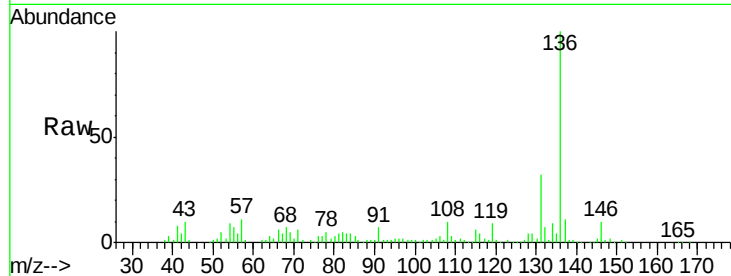
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 9.4 5.8 8.8#

68 7.2 4.2 6.4#



#22

Acetophenone

Concen: 7.50 ng

RT: 7.77 min Scan# 576

Delta R.T. -0.02 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

Tgt Ion:105 Resp: 37825

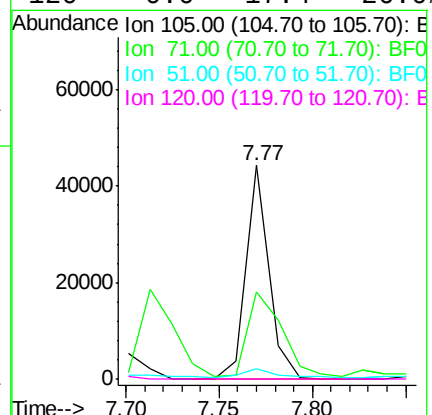
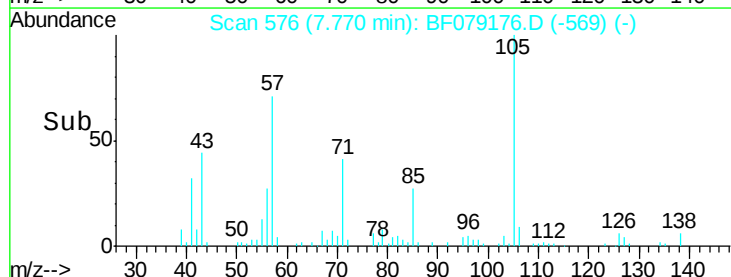
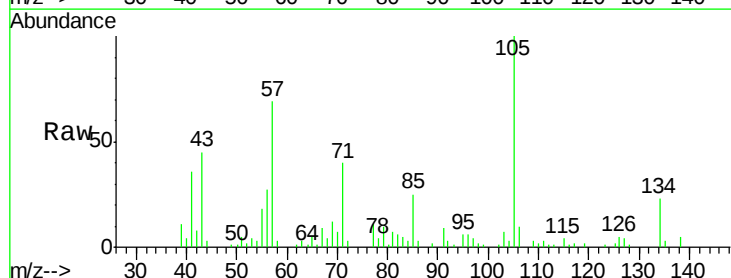
Ion Ratio Lower Upper

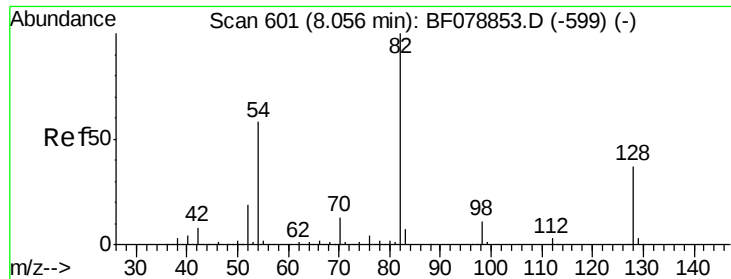
105 100

71 40.5 4.6 6.8#

51 4.7 26.7 40.1#

120 0.0 17.4 26.0#

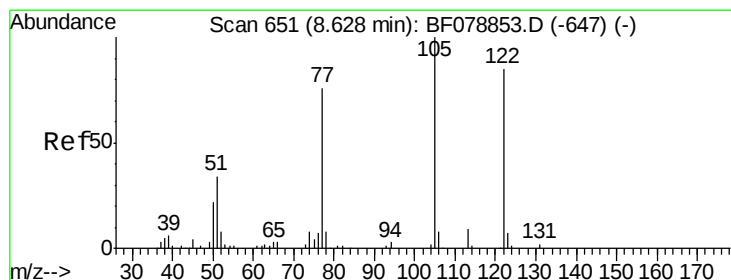
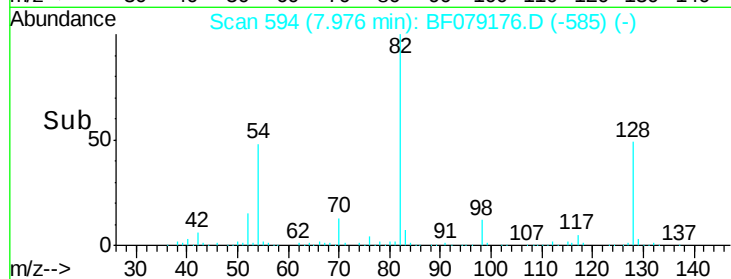
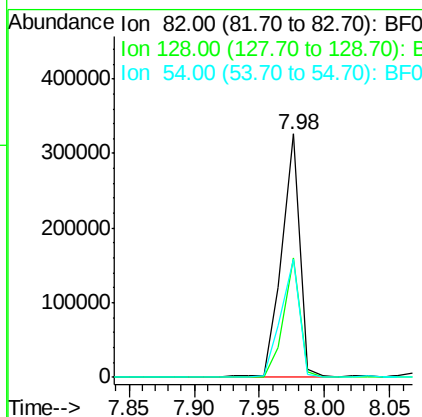
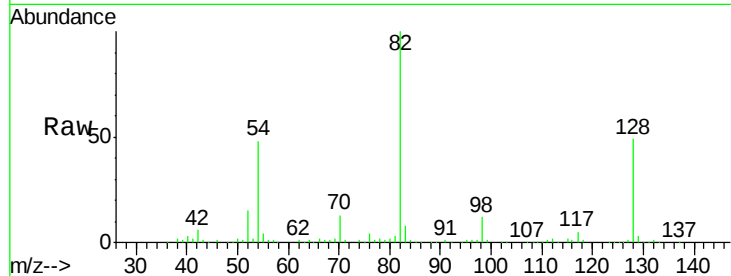




#23
 Nitrobenzene-d5
 Concen: 82.03 ng
 RT: 7.98 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: BF079176.D
 Acq: 13 May 2015 00:04

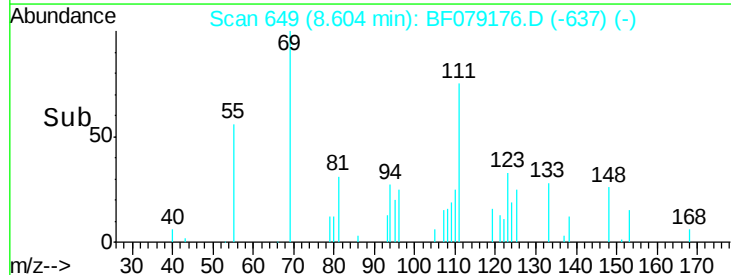
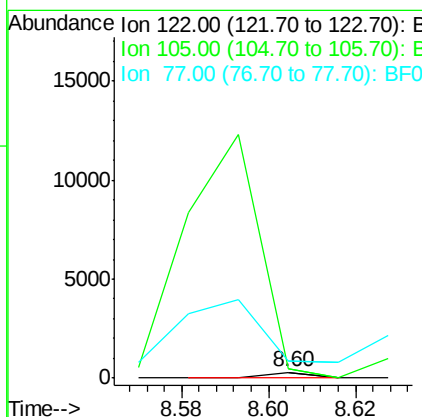
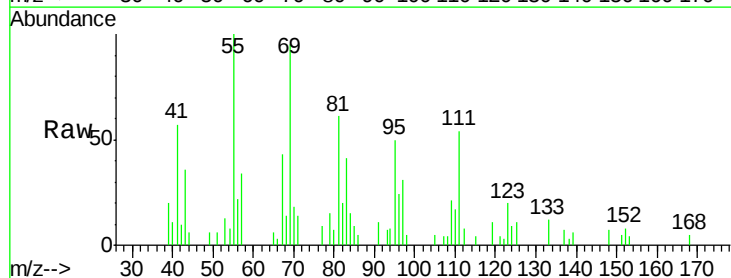
Instrument :
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 ClientSampleId :
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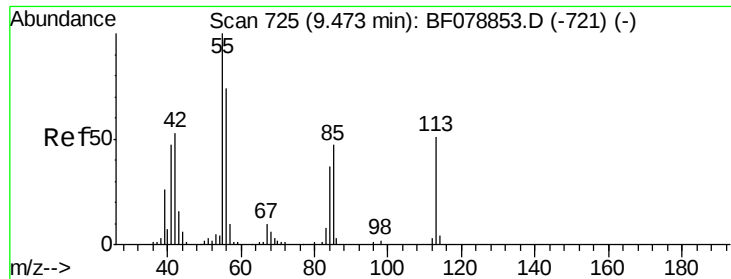
Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.3	30.0	45.0#
54	48.5	46.4	69.6



#32
 Benzoic acid
 Concen: 6.40 ng
 RT: 8.60 min Scan# 649
 Delta R.T. 0.03 min
 Lab File: BF079176.D
 Acq: 13 May 2015 00:04

Tgt Ion	Ratio	Lower	Upper
122	100		
105	160.5	107.1	147.1#
77	288.0	73.9	113.9#

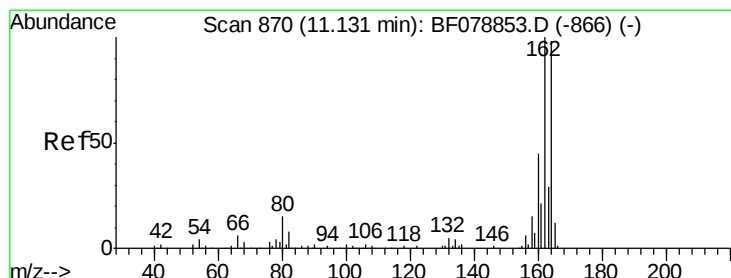
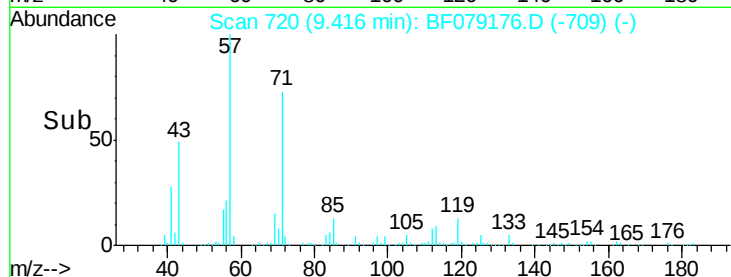
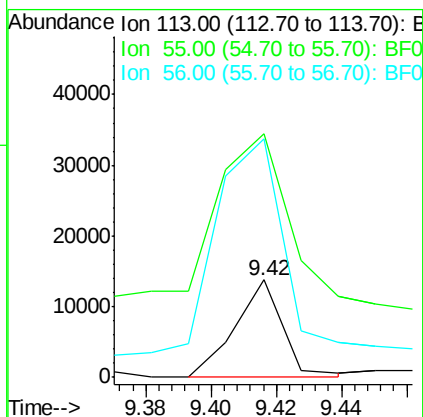
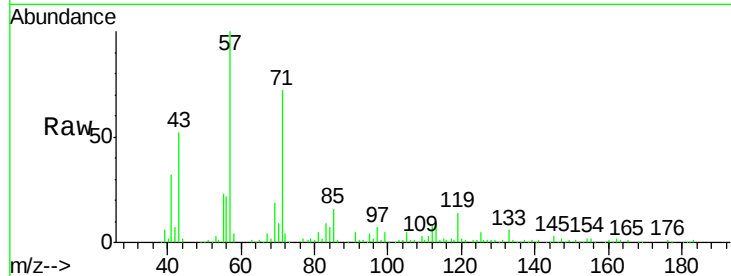




#35
 Caprolactam
 Concen: 15.08 ng
 RT: 9.42 min Scan# 720
 Delta R.T. 0.02 min
 Lab File: BF079176.D
 Acq: 13 May 2015 00:04

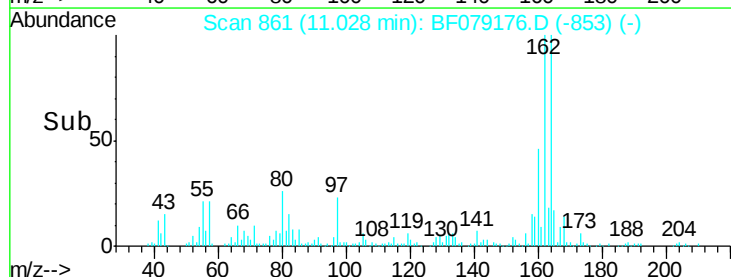
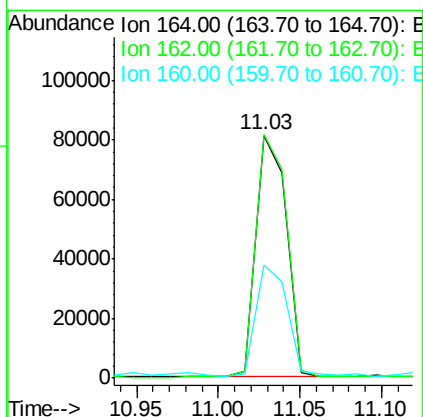
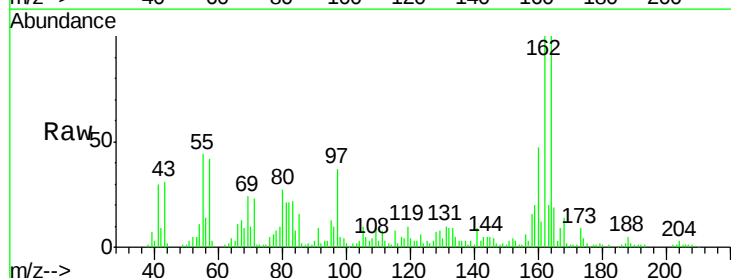
Instrument :
 BNA_F
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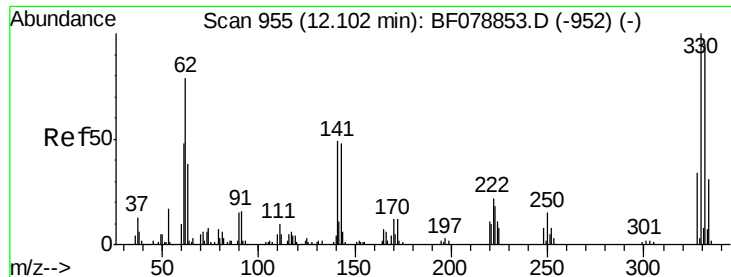
Tgt Ion:113 Resp: 13834
 Ion Ratio Lower Upper
 113 100
 55 249.8 169.7 209.7#
 56 245.1 122.5 162.5#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF079176.D
 Acq: 13 May 2015 00:04

Tgt Ion:164 Resp: 104781
 Ion Ratio Lower Upper
 164 100
 162 100.3 82.7 124.1
 160 46.8 35.8 53.8

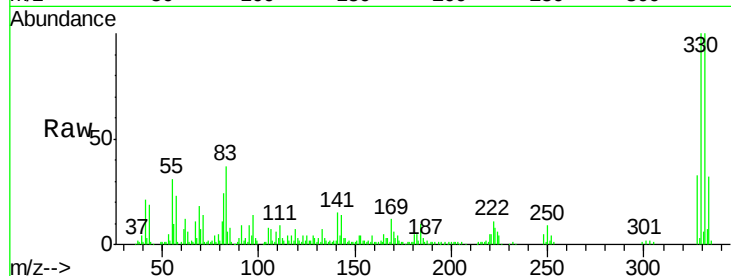




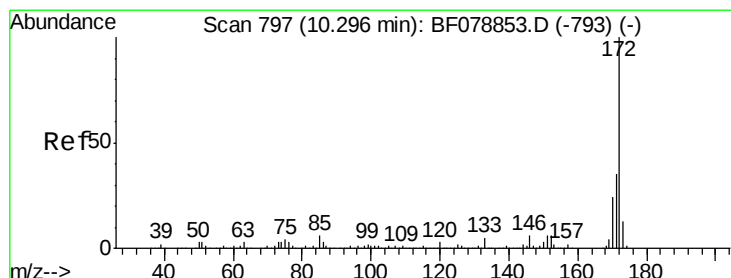
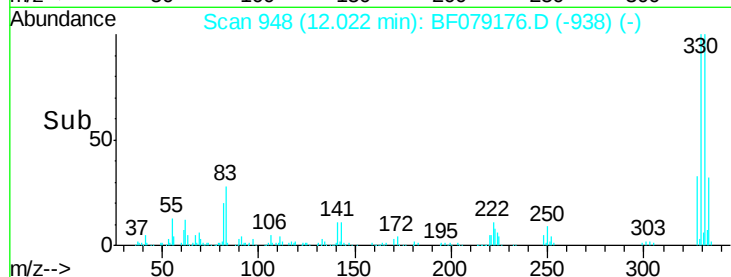
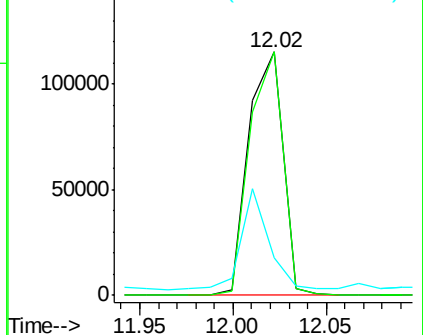
#41
 2,4,6-Tribromophenol
 Concen: 129.10 ng
 RT: 12.02 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: BF079176.D
 Acq: 13 May 2015 00:04

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-SAMPLE

Tgt Ion:330 Resp: 146336
 Ion Ratio Lower Upper
 330 100
 332 97.6 0.0 0.0#
 141 33.3 0.0 0.0#

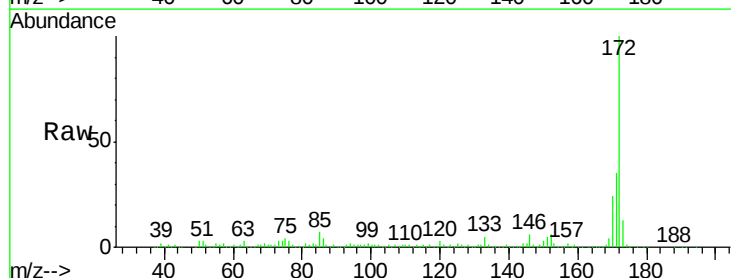


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

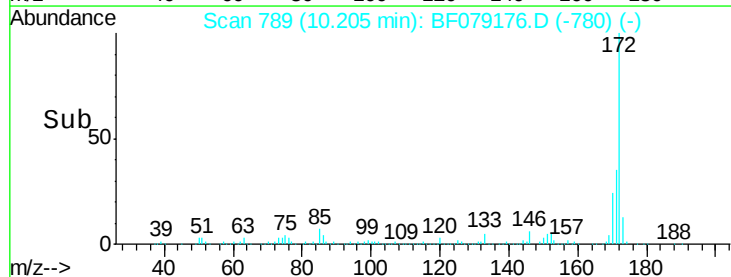
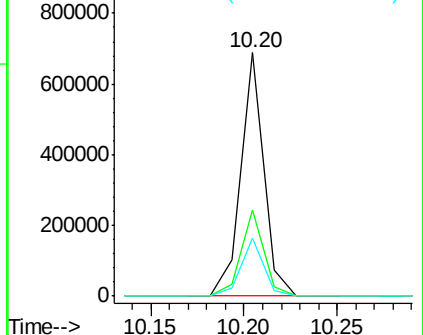


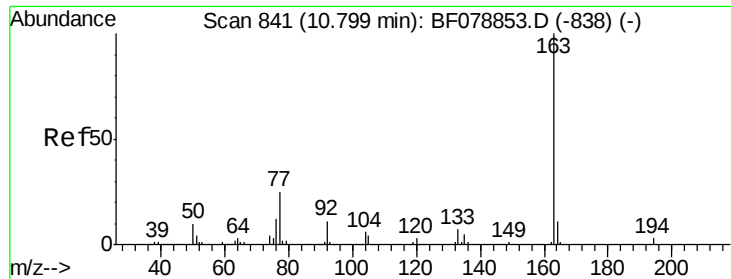
#44
 2-Fluorobiphenyl
 Concen: 78.87 ng
 RT: 10.20 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF079176.D
 Acq: 13 May 2015 00:04

Tgt Ion:172 Resp: 593155
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.9 41.9
 170 24.0 19.4 29.0



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

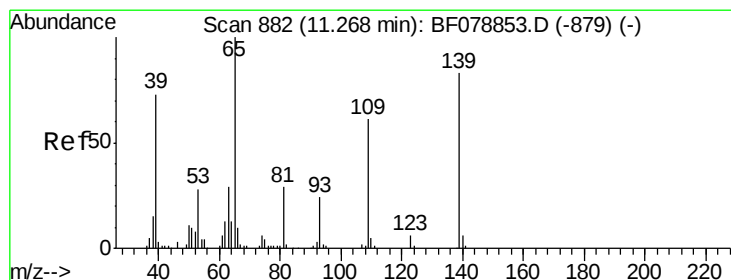
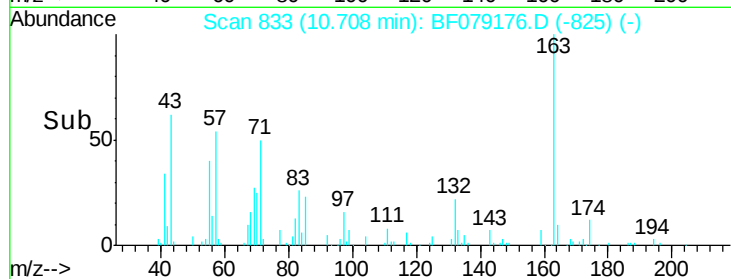
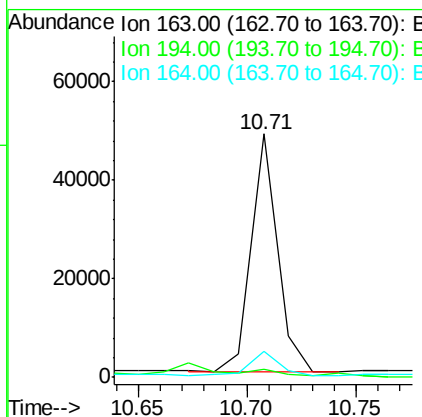
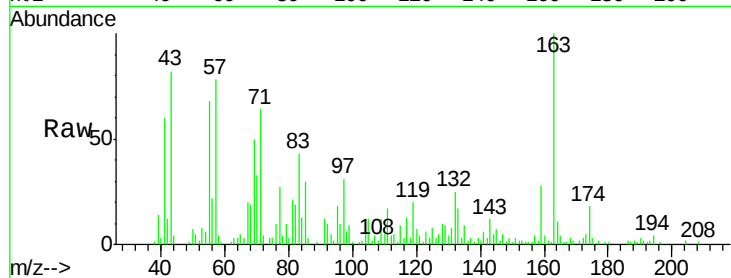




#49
Dimethylphthalate
Concen: 5.24 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

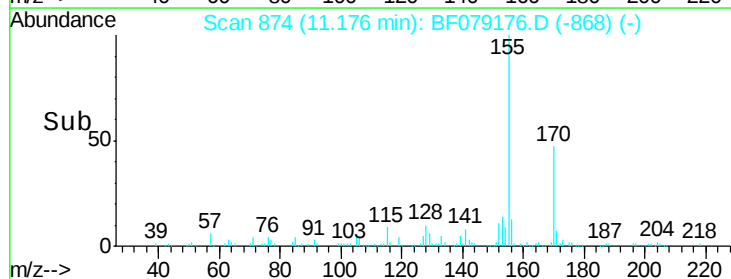
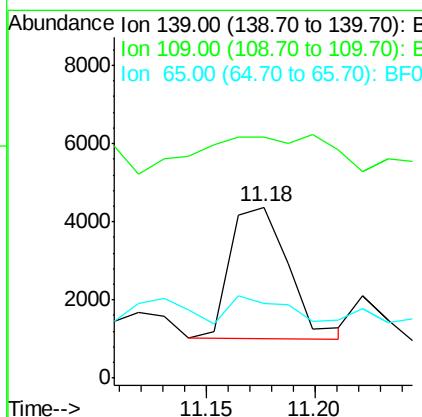
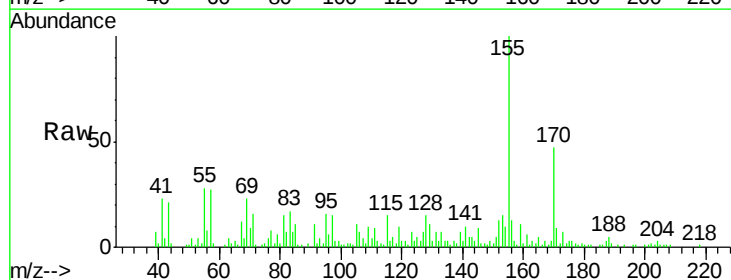
Instrument :
BNA_F
ClientSampleId :
WASTE-SAMPLE

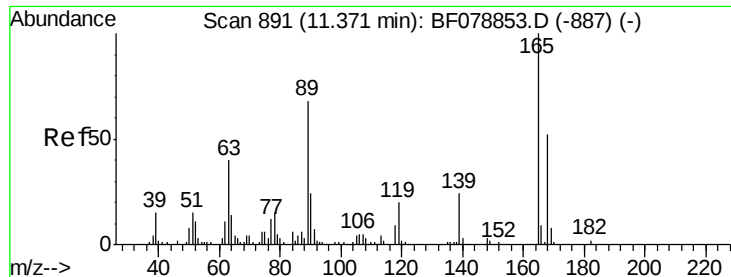
Tgt Ion:163 Resp: 40333
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.9 8.1 12.1



#55
4-Nitrophenol
Concen: 4.17 ng
RT: 11.18 min Scan# 874
Delta R.T. -0.03 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

Tgt Ion:139 Resp: 6263
Ion Ratio Lower Upper
139 100
109 140.9 47.6 87.6#
65 43.4 54.3 94.3#

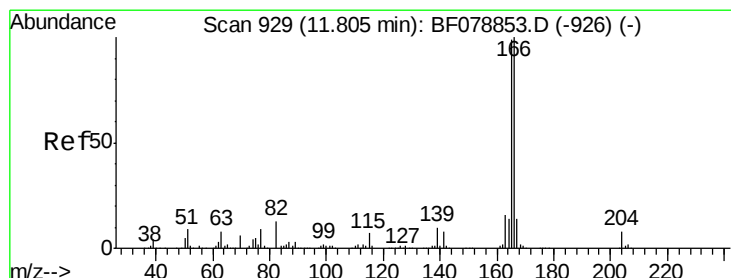
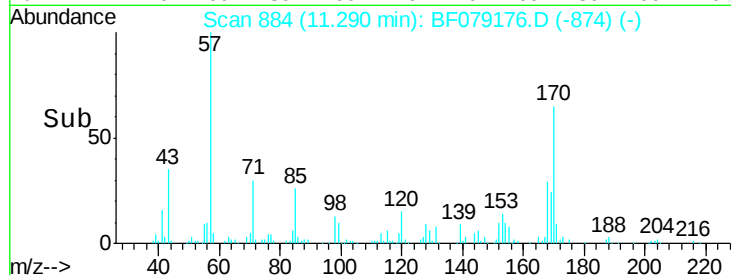
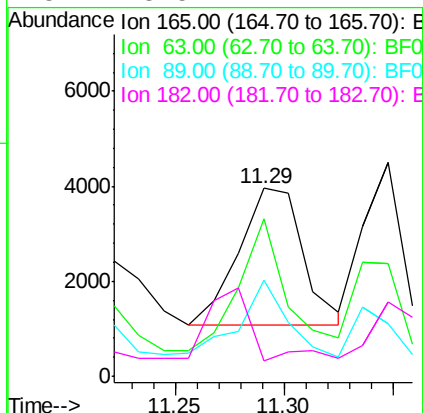
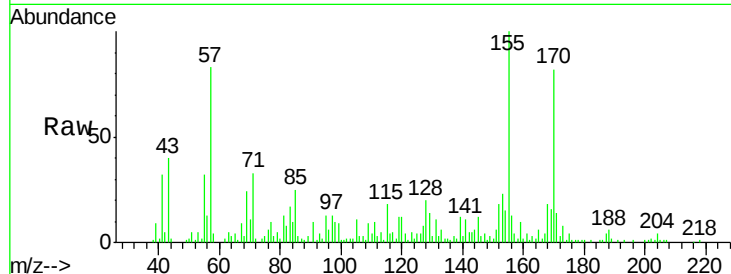




#56
2,4-Dinitrotoluene
Concen: 2.96 ng
RT: 11.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

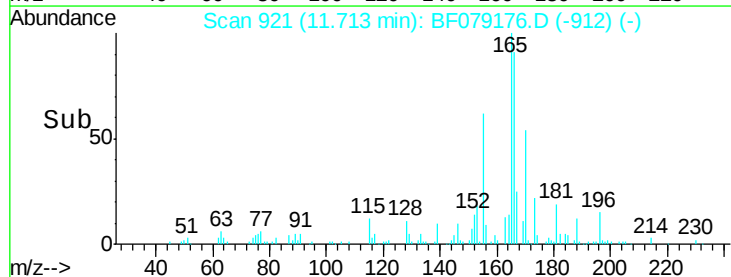
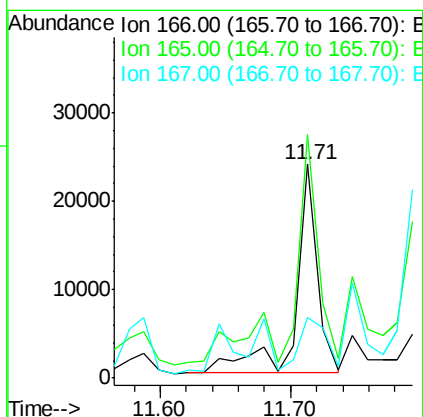
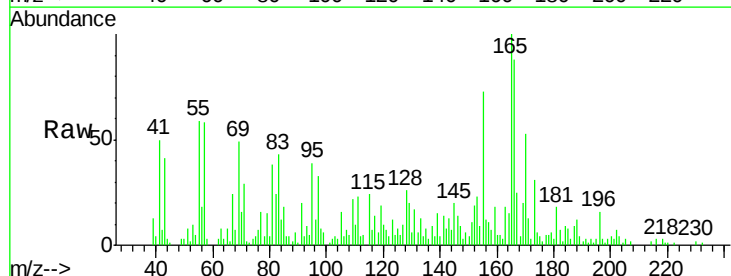
Instrument :
BNA_F
ClientSampleId :
WASTE-SAMPLE

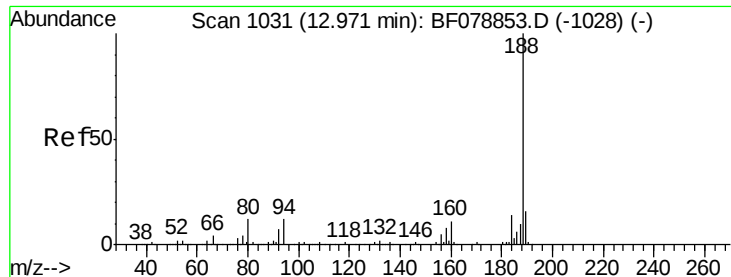
Tgt Ion:165 Resp: 5937
Ion Ratio Lower Upper
165 100
63 84.1 51.2 76.8#
89 51.1 82.7 124.1#
182 8.5 1.4 2.2#



#57
Fluorene
Concen: 3.59 ng
RT: 11.71 min Scan# 921
Delta R.T. -0.00 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

Tgt Ion:166 Resp: 27049
Ion Ratio Lower Upper
166 100
165 113.7 78.5 117.7
167 28.6 11.0 16.6#

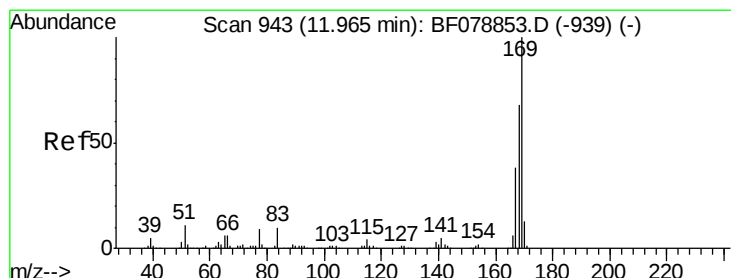
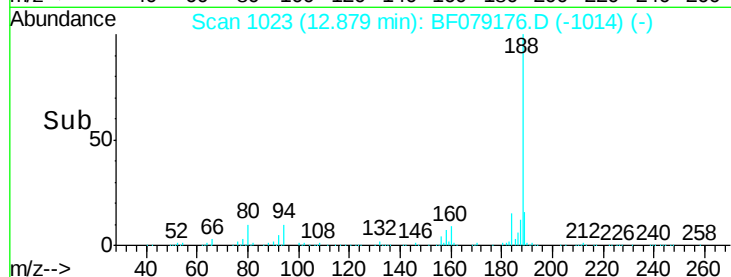
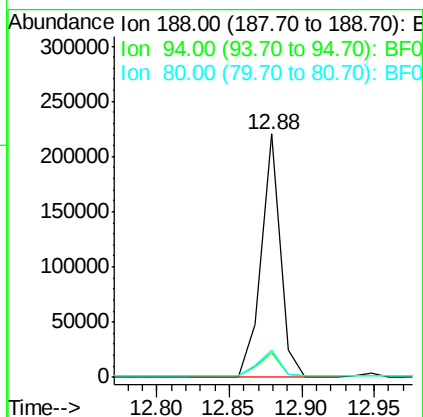
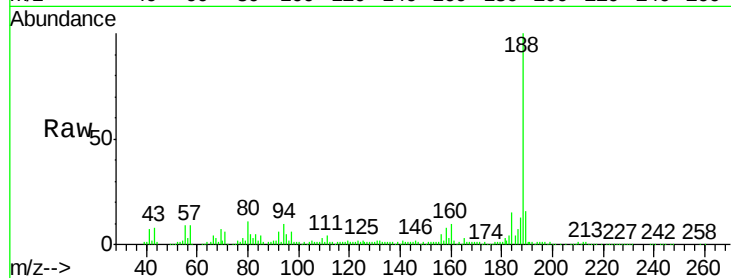




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

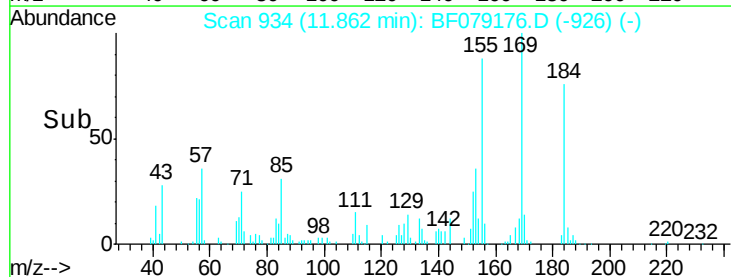
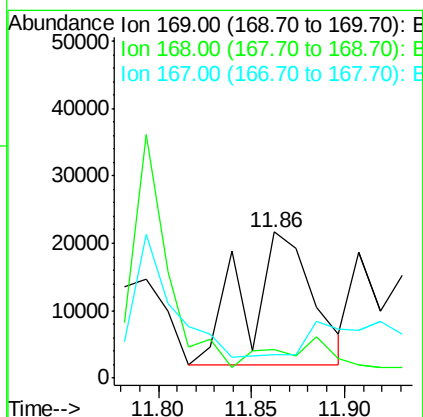
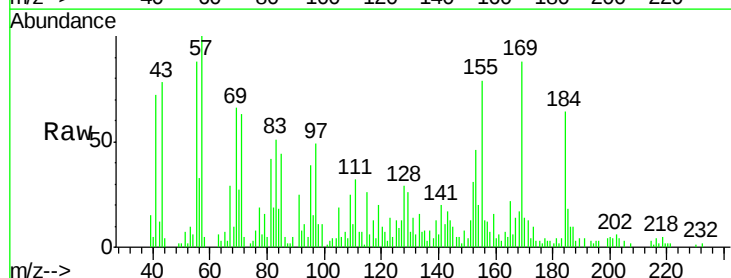
Instrument :
BNA_F
ClientSampleId :
WASTE-SAMPLE

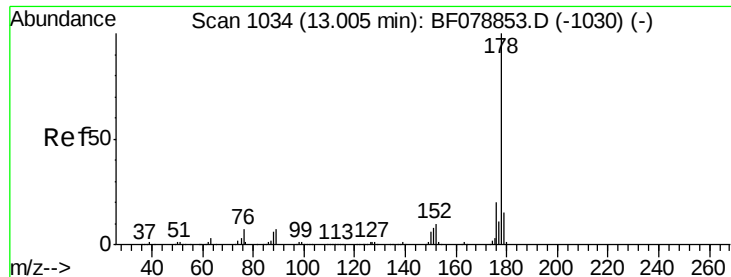
Tgt Ion:188 Resp: 203455
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.2
80 11.1 8.9 13.3



#65
n-Nitrosodiphenylamine
Concen: 7.26 ng
RT: 11.86 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

Tgt Ion:169 Resp: 49197
Ion Ratio Lower Upper
169 100
168 19.3 54.6 82.0#
167 16.3 30.6 45.8#

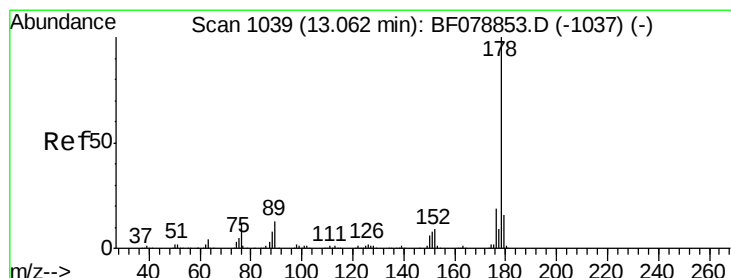
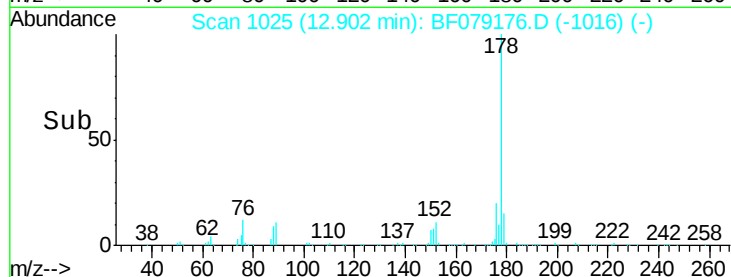
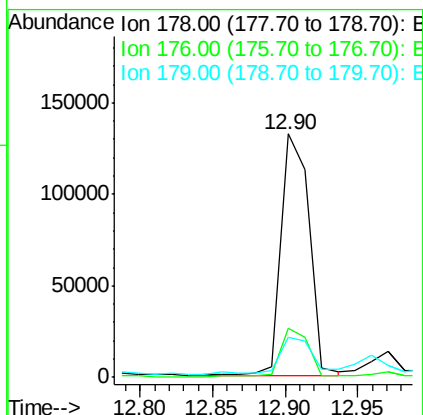
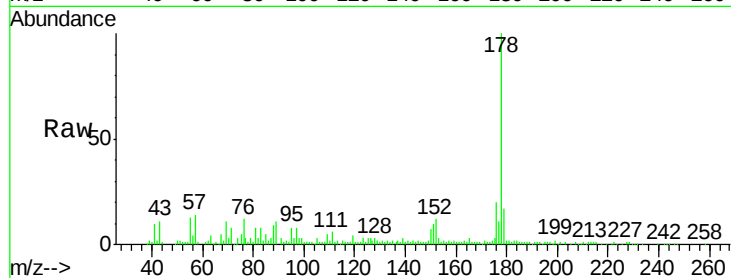




#70
Phenanthrene
Concen: 15.51 ng
RT: 12.90 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

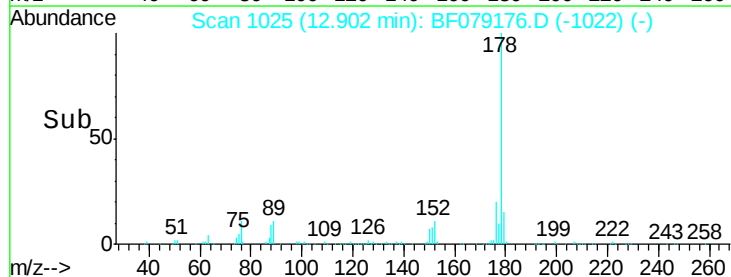
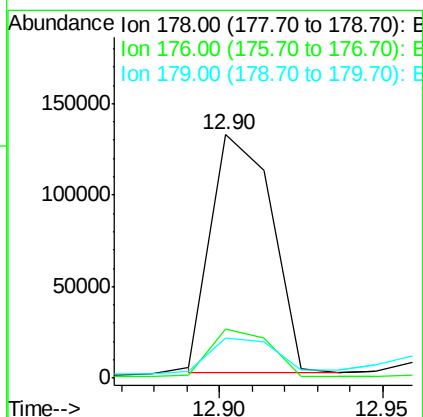
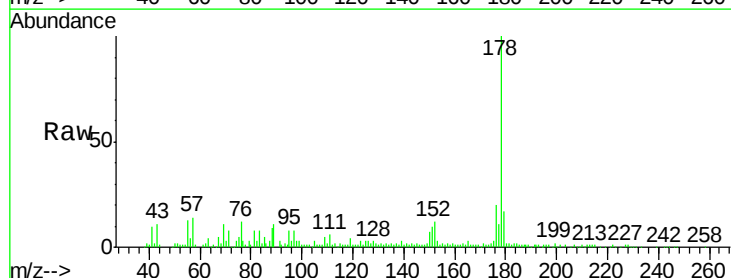
Instrument :
BNA_F
ClientSampleId :
WASTE-SAMPLE

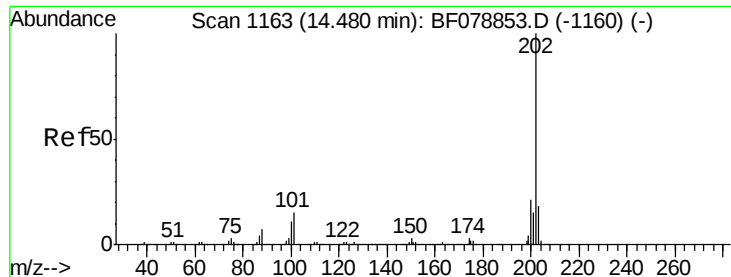
Tgt Ion:178 Resp: 176551
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 16.6 12.5 18.7



#71
Anthracene
Concen: 14.89 ng
RT: 12.90 min Scan# 1025
Delta R.T. -0.07 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

Tgt Ion:178 Resp: 166280
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 16.6 12.7 19.1





#74

Fluoranthene

Concen: 20.07 ng

RT: 14.39 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

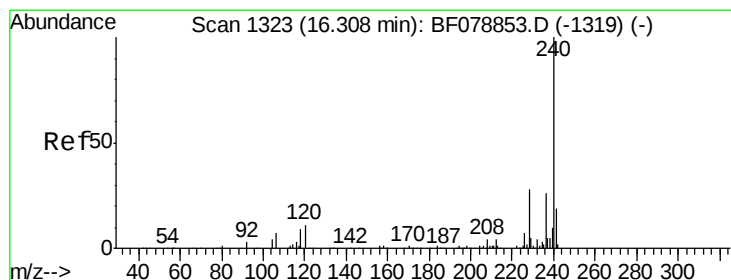
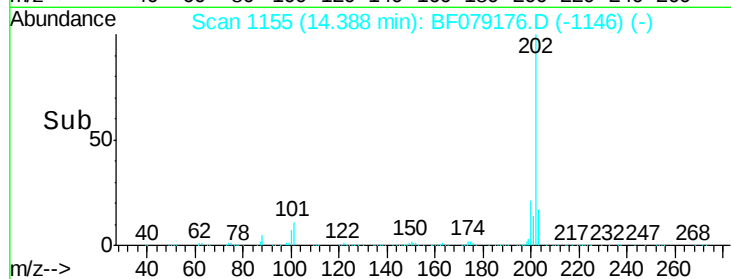
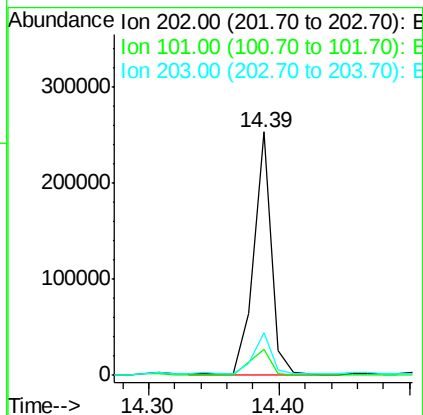
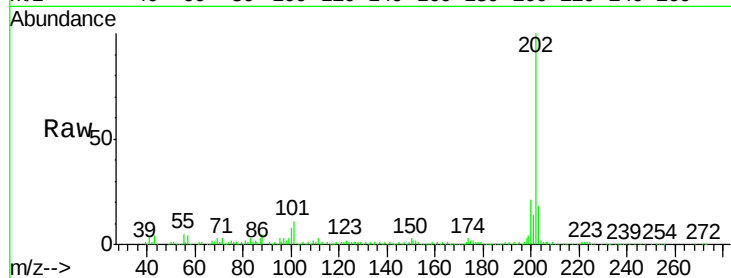
Instrument :

BNA_F

ClientSampleId :

WASTE-SAMPLE

Tgt Ion:	202	Resp:	237977
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.6
203	17.7	0.0	38.4



#75

Chrysene-d12

Concen: 20.00 ng

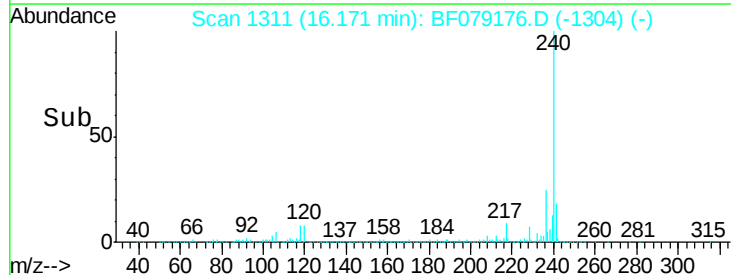
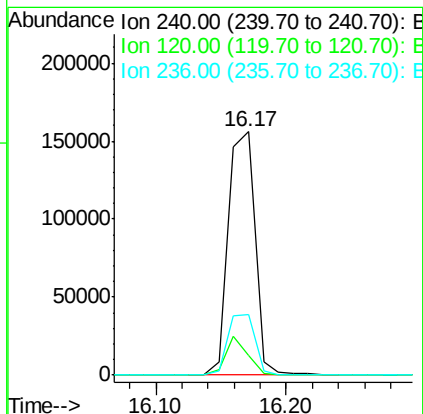
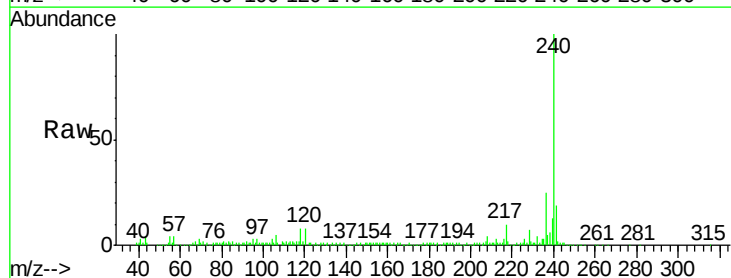
RT: 16.17 min Scan# 1311

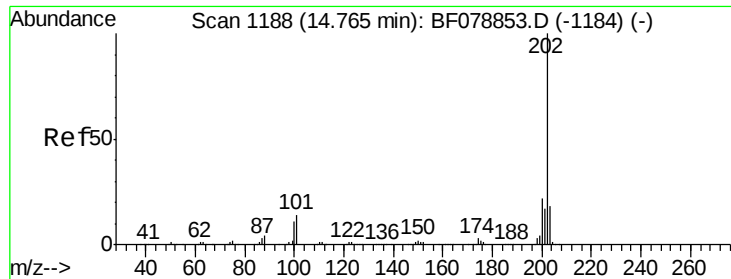
Delta R.T. -0.02 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

Tgt Ion:	240	Resp:	222171
Ion	Ratio	Lower	Upper
240	100		
120	8.3	9.7	14.5#
236	24.9	20.2	30.4





#77

Pyrene

Concen: 15.55 ng

RT: 14.66 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

Instrument :

BNA_F

ClientSampleId :

WASTE-SAMPLE

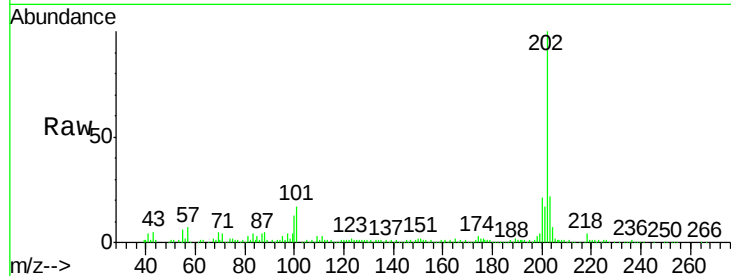
Tgt Ion:202 Resp: 199088

Ion Ratio Lower Upper

202 100

200 21.4 17.5 26.3

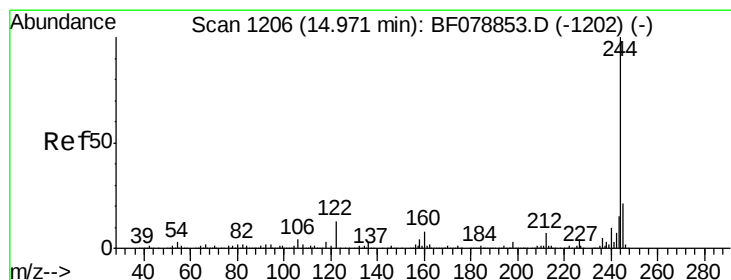
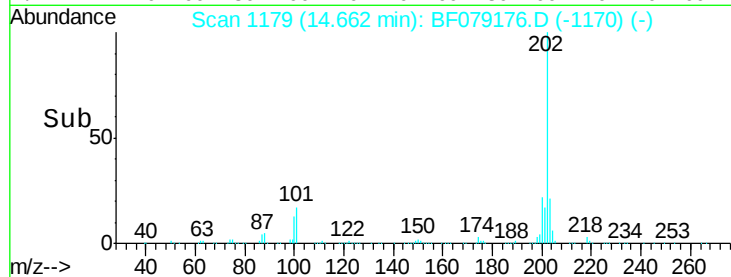
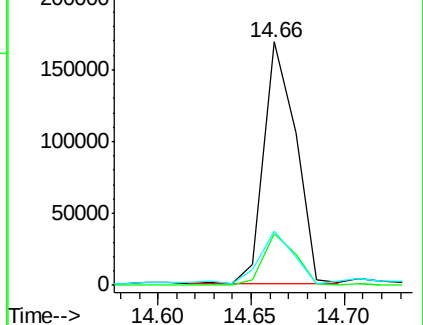
203 22.2 13.9 20.9#



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: 73.40 ng

RT: 14.88 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

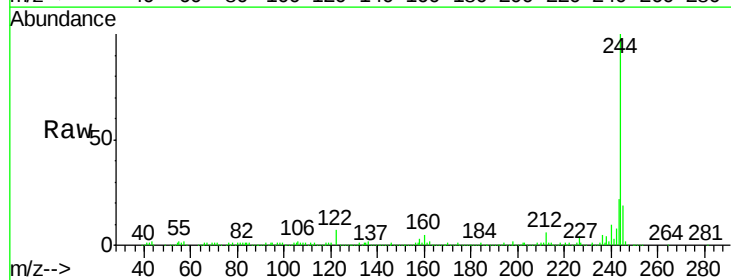
Tgt Ion:244 Resp: 681173

Ion Ratio Lower Upper

244 100

212 6.0 5.6 8.4

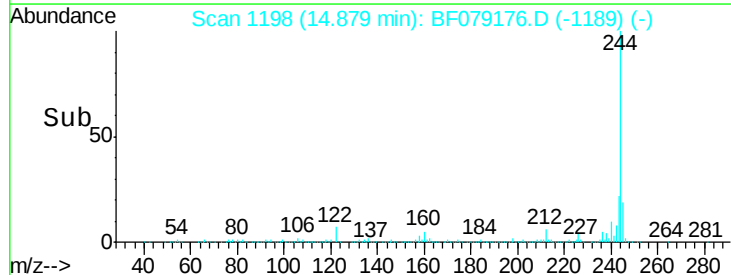
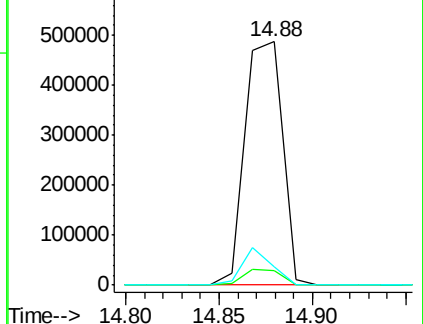
122 7.4 10.3 15.5#

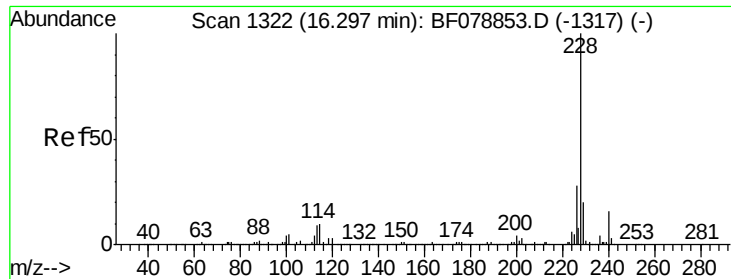


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.69 ng

RT: 16.15 min Scan# 1309

Delta R.T. -0.03 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

Instrument :

BNA_F

ClientSampleId :

WASTE-SAMPLE

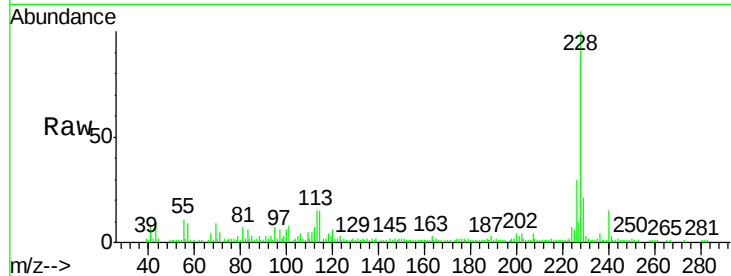
Tgt Ion:228 Resp: 81451

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

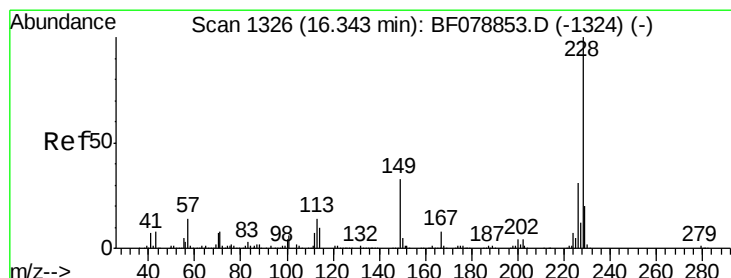
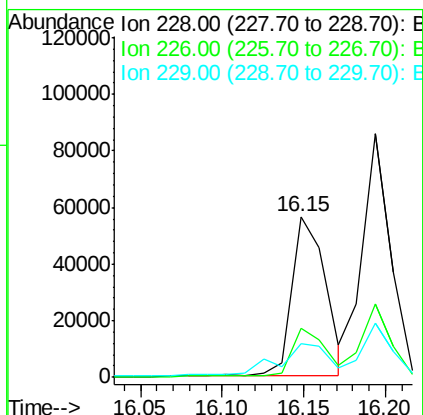
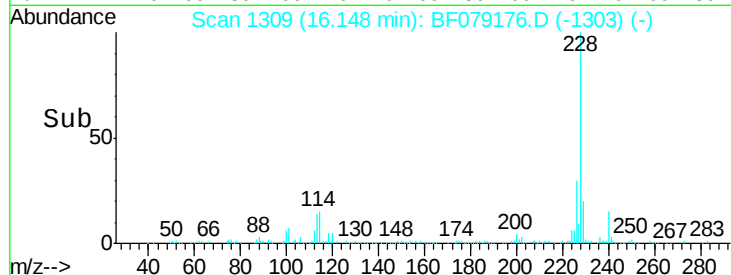
229 21.2 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 8.78 ng

RT: 16.19 min Scan# 1313

Delta R.T. -0.03 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

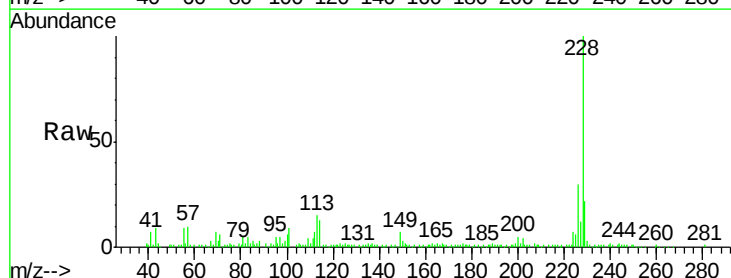
Tgt Ion:228 Resp: 102703

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

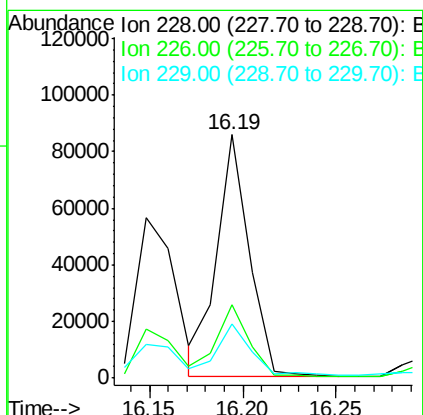
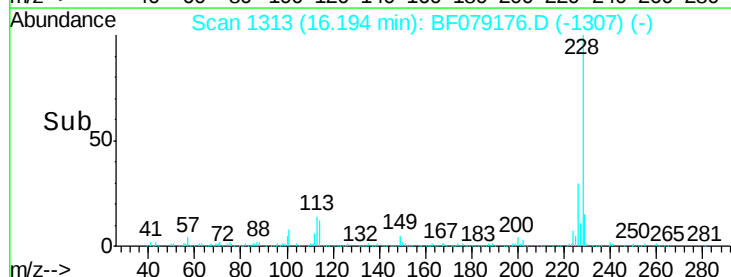
229 22.0 16.0 24.0

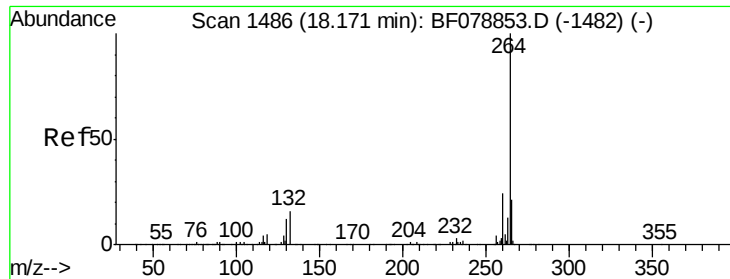


Abundance Ion 228.00 (227.70 to 228.70): E

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: 17.87 min Scan# 1460

Delta R.T. -0.15 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

Instrument :

BNA_F

ClientSampleId :

WASTE-SAMPLE

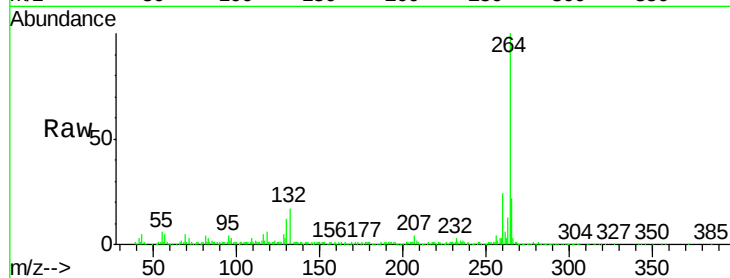
Tgt Ion:264 Resp: 234507

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

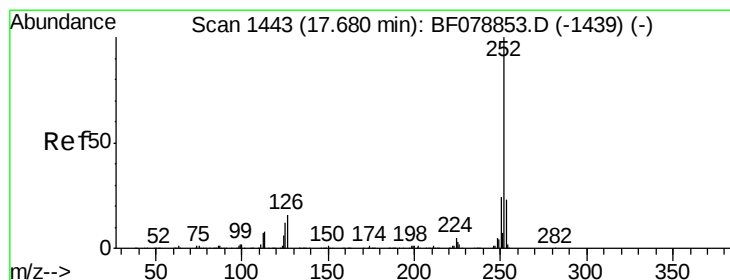
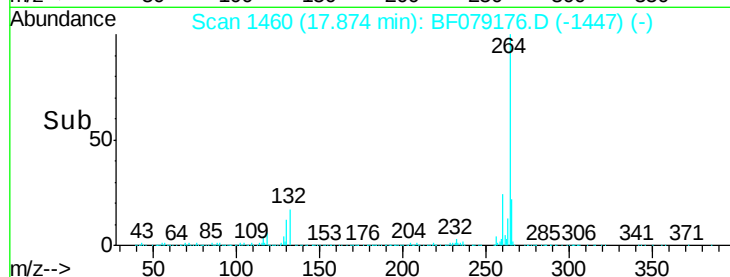
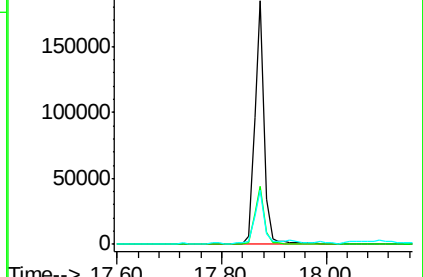
265 22.2 18.3 27.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 11.07 ng

RT: 17.43 min Scan# 1421

Delta R.T. -0.11 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

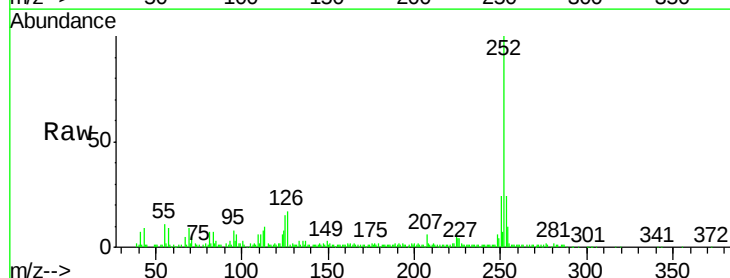
Tgt Ion:252 Resp: 142120

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

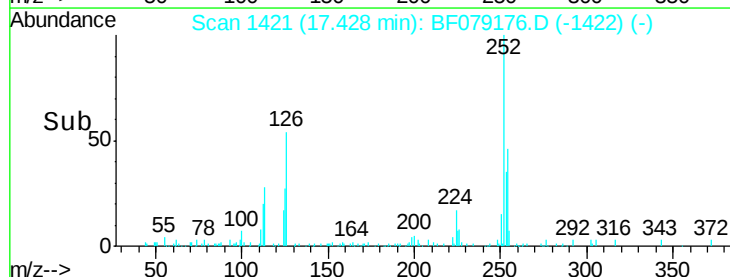
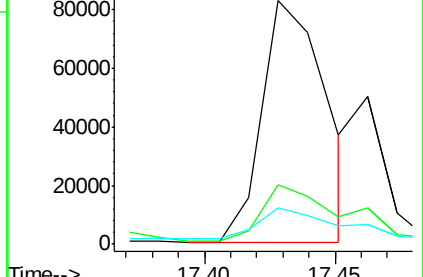
125 15.1 9.5 14.3#

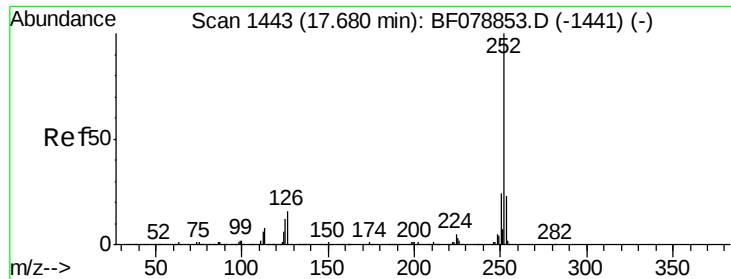


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

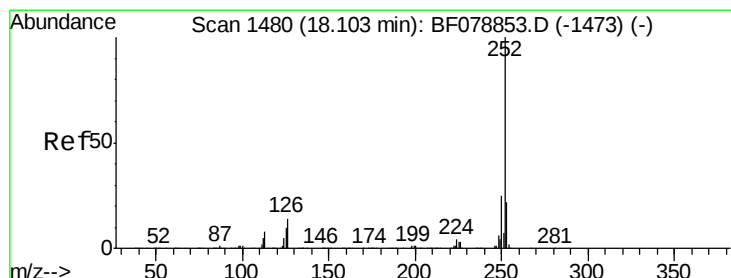
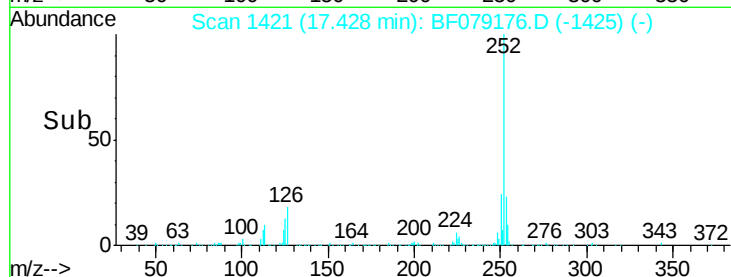
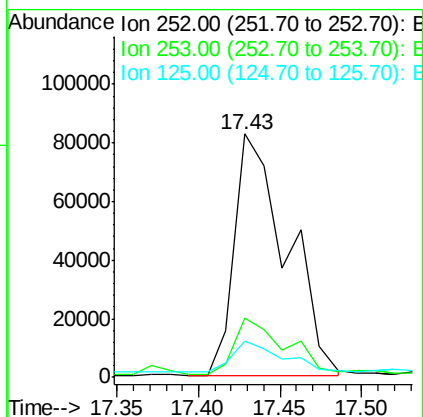
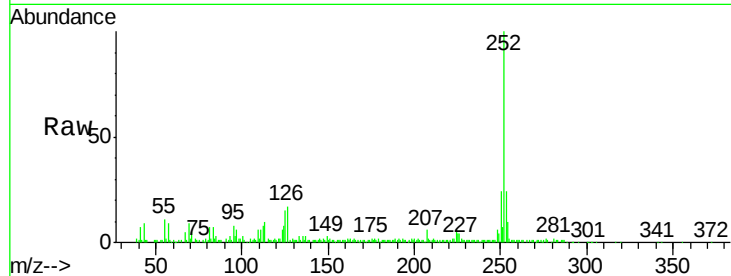




#88
Benzo(k)fluoranthene
Concen: 14.86 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.15 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

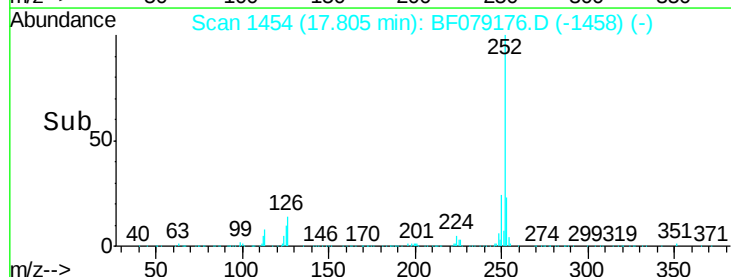
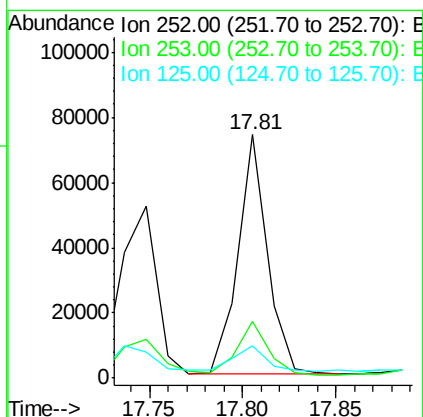
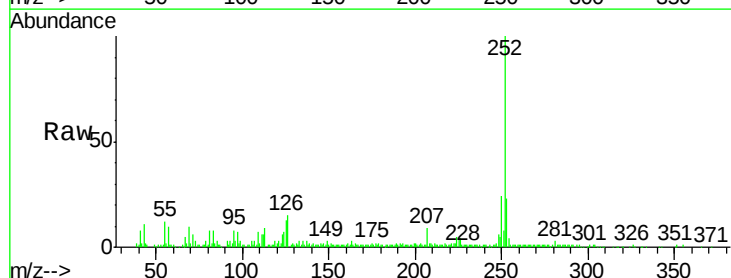
Instrument :
BNA_F
ClientSampleId :
WASTE-SAMPLE

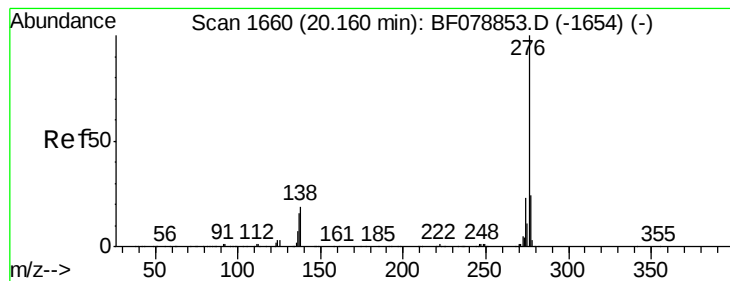
Tgt Ion:252 Resp: 184651
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 15.1 10.0 15.0#



#89
Benzo(a)pyrene
Concen: 6.84 ng
RT: 17.81 min Scan# 1454
Delta R.T. -0.15 min
Lab File: BF079176.D
Acq: 13 May 2015 00:04

Tgt Ion:252 Resp: 80848
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 13.3 7.0 10.6#





#91

Benzo(g,h,i)perylene

Concen: 4.46 ng

RT: 19.76 min Scan# 1625

Delta R.T. -0.17 min

Lab File: BF079176.D

Acq: 13 May 2015 00:04

Instrument :

BNA_F

ClientSampleId :

WASTE-SAMPLE

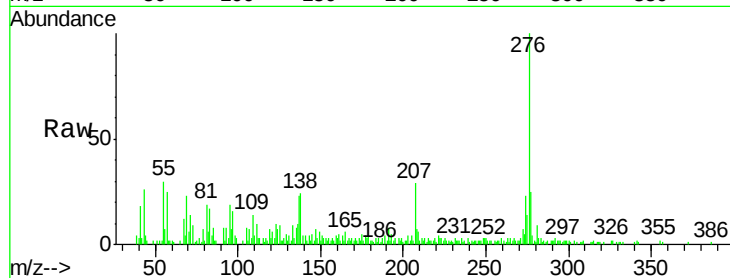
Tgt Ion: 276 Resp: 56197

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 24.4 17.4 26.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

