

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051515\
 Data File : BF079294.D
 Acq On : 16 May 2015 5:19
 Operator : TP/IZ
 Sample : G2259-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

Quant Time: May 16 06:16:03 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 16 04:02:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	66841	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	275026	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	129021	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	229254	20.00	ng	0.00
75) Chrysene-d12	16.06	240	224694	20.00	ng	0.00
86) Perylene-d12	17.76	264	246065	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	491250	126.51	ng	0.00
7) Phenol-d6	6.75	99	682837	133.04	ng	0.01
23) Nitrobenzene-d5	7.87	82	407042	85.06	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	179963	128.93	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	733937	79.25	ng	0.00
78) Terphenyl-d14	14.77	244	654746	69.76	ng	0.00

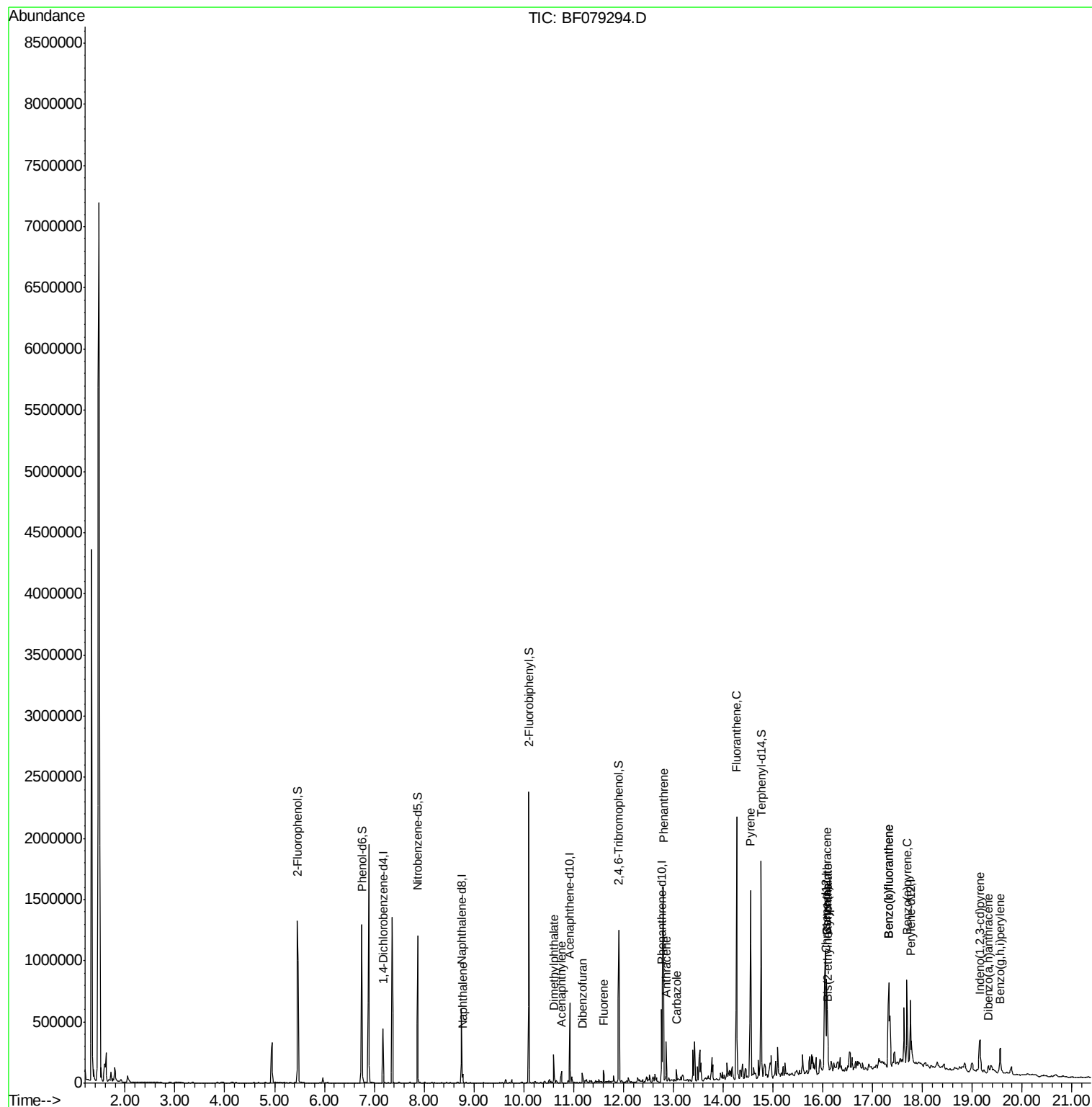
Target Compounds				Qvalue		
31) Naphthalene	8.78	128	32775	2.50	ng	98
48) Acenaphthylene	10.75	152	48933	3.73	ng	97
49) Dimethylphthalate	10.61	163	89423	9.44	ng	99
54) Dibenzofuran	11.18	168	30714	2.71	ng	97
57) Fluorene	11.60	166	35915	3.87	ng	98
70) Phenanthrene	12.80	178	699519	54.54	ng	99
71) Anthracene	12.86	178	132323	10.52	ng	98
72) Carbazole	13.06	167	43949	3.66	ng	99
74) Fluoranthene	14.27	202	894049	66.90	ng	98
77) Pyrene	14.55	202	831153	64.19	ng	97
80) Benzo(a)anthracene	16.08	228	359223	29.19	ng	94
82) Chrysene	16.08	228	357942	30.25	ng	98
83) Bis(2-ethylhexyl)phthalate	16.10	149	71351	8.32	ng	99
85) Indeno(1,2,3-cd)pyrene	19.15	276	193523	12.83	ng	94
87) Benzo(b)fluoranthene	17.33	252	587378	43.61	ng	99
88) Benzo(k)fluoranthene	17.33	252	587378	45.05	ng	# 96
89) Benzo(a)pyrene	17.69	252	329713	26.59	ng	97
90) Dibenzo(a,h)anthracene	19.33	278	37011	2.81	ng	94
91) Benzo(g,h,i)perylene	19.57	276	177772	13.46	ng	97

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051515\
Data File : BF079294.D
Acq On : 16 May 2015 5:19
Operator : TP/IZ
Sample : G2259-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WASTE-1

Quant Time: May 16 06:16:03 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 16 04:02:20 2015
Response via : Initial Calibration

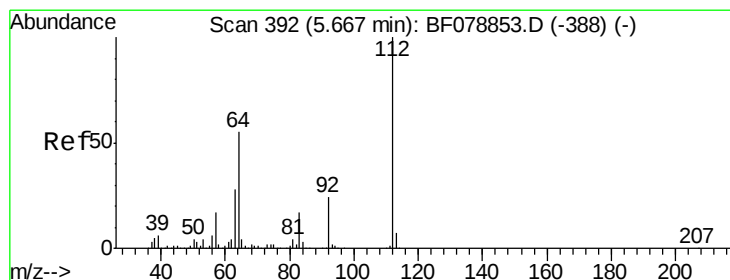
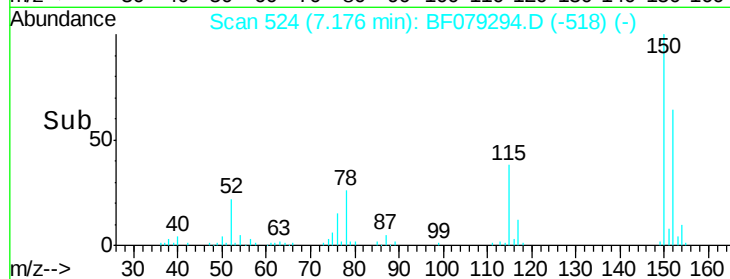
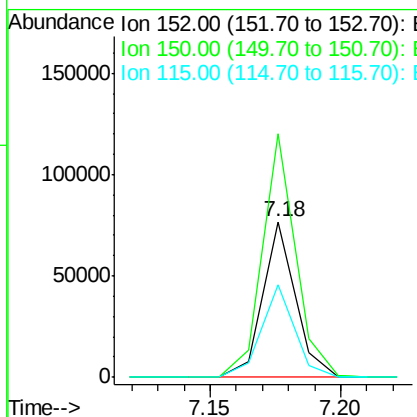
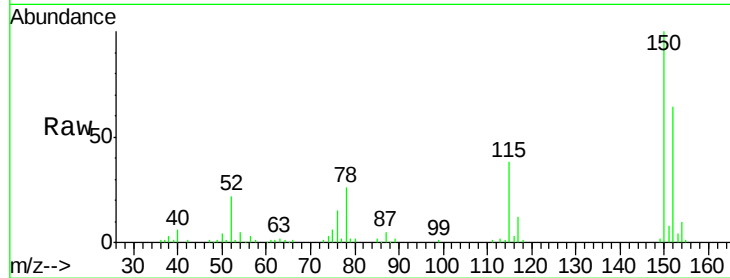




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.18 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

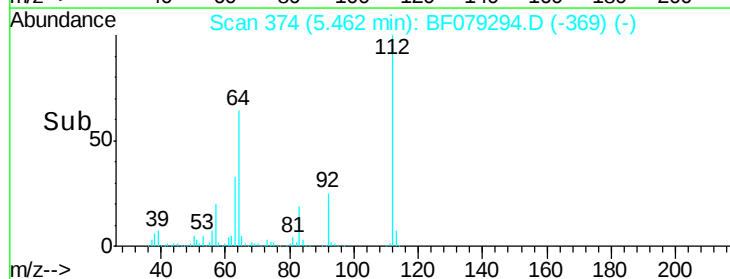
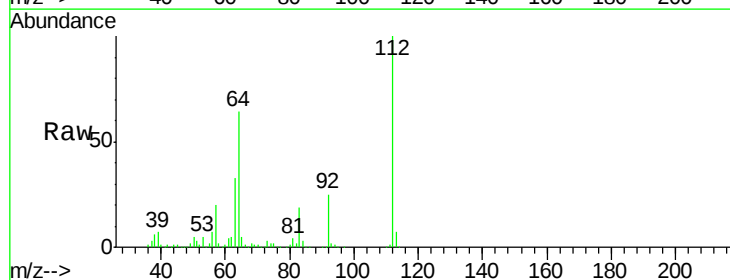
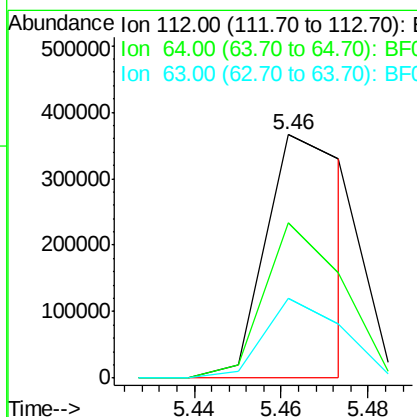
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

Tgt Ion:152 Resp: 66841
 Ion Ratio Lower Upper
 152 100
 150 156.7 123.8 185.8
 115 59.7 49.4 74.0



#5
 2-Fluorophenol
 Concen: 126.51 ng
 RT: 5.46 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion:112 Resp: 491250
 Ion Ratio Lower Upper
 112 100
 64 63.7 44.2 66.2
 63 32.6 22.7 34.1





#7

Phenol-d6

Concen: 133.04 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

ClientSampleId :

WASTE-1

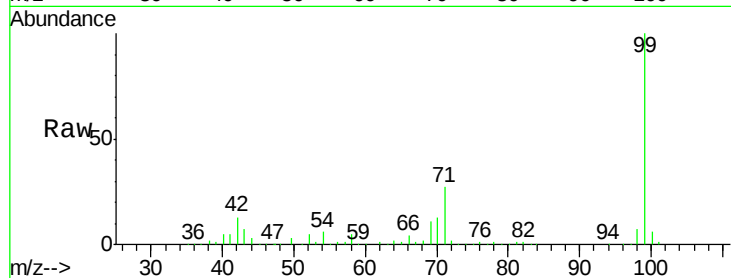
Tgt Ion: 99 Resp: 682837

Ion Ratio Lower Upper

99 100

42 13.5 17.1 25.7#

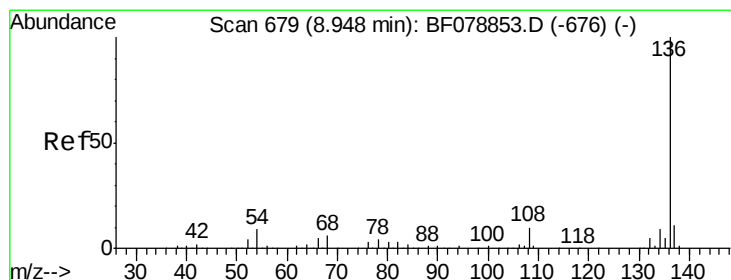
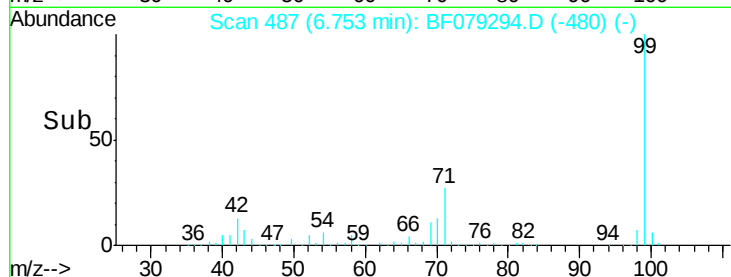
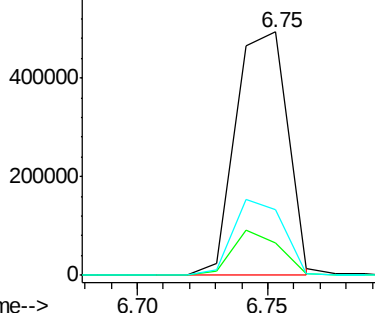
71 27.2 26.3 39.5



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: 8.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Tgt Ion: 136 Resp: 275026

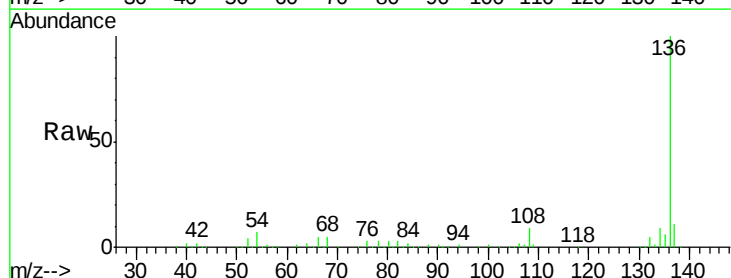
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.7 6.9 10.3#

68 5.1 4.9 7.3

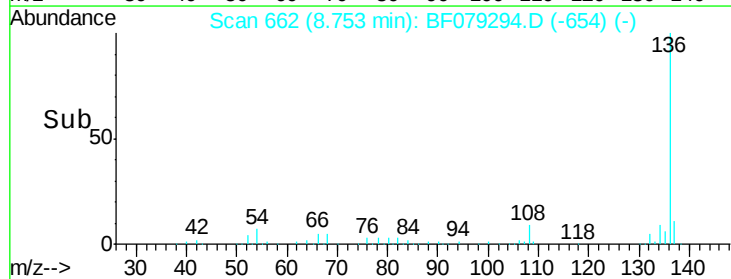
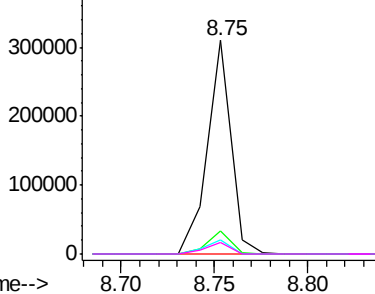


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.06 ng

RT: 7.87 min Scan# 585

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

ClientSampled :

WASTE-1

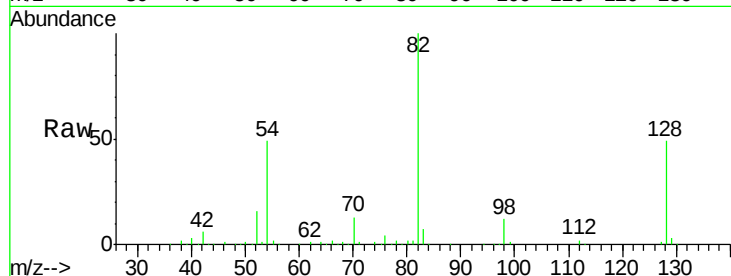
Tgt Ion: 82 Resp: 407042

Ion Ratio Lower Upper

82 100

128 48.8 29.7 44.5#

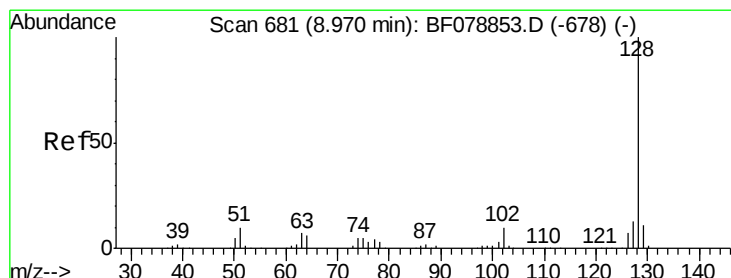
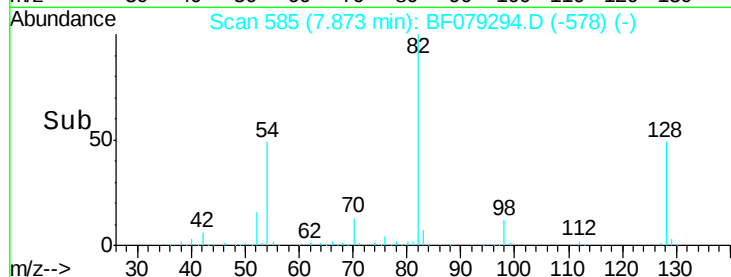
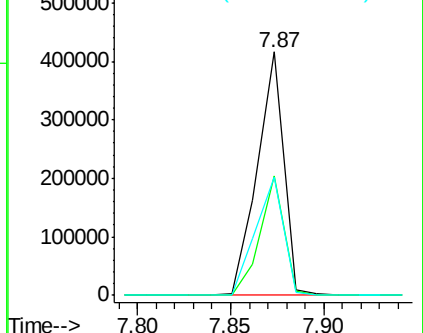
54 48.7 46.2 69.4



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



#31

Naphthalene

Concen: 2.50 ng

RT: 8.78 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

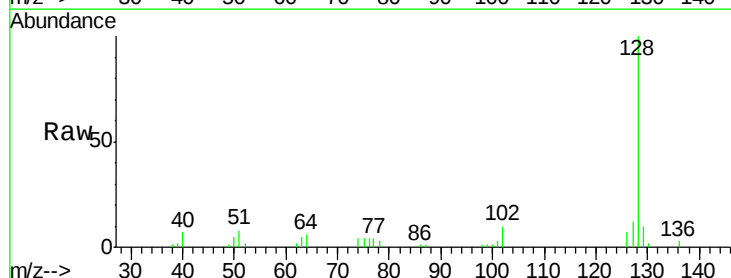
Tgt Ion: 128 Resp: 32775

Ion Ratio Lower Upper

128 100

129 10.1 9.2 13.8

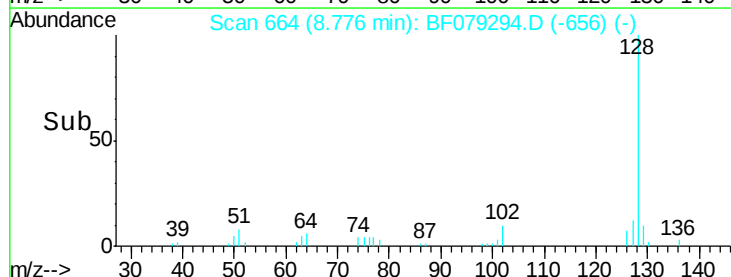
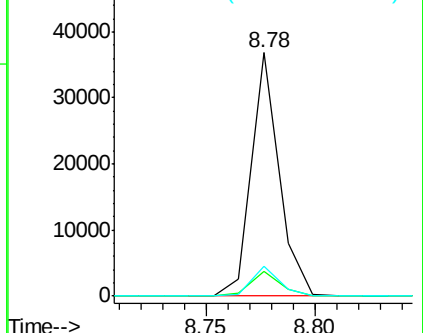
127 12.4 10.3 15.5

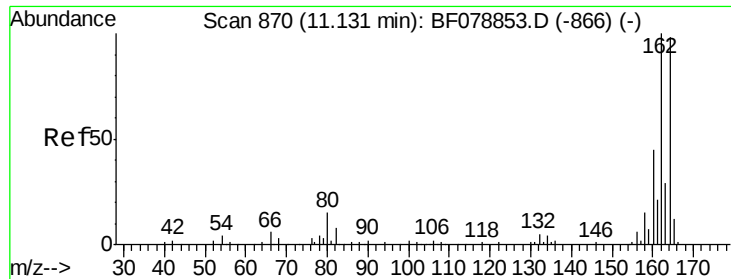


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

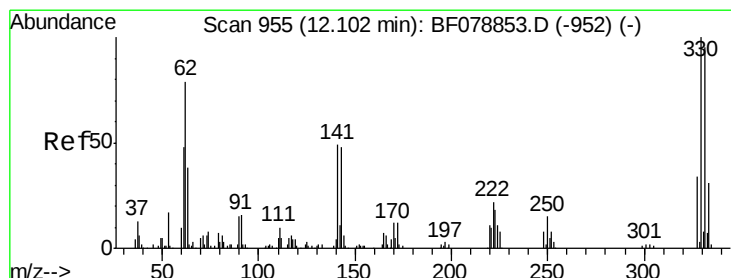
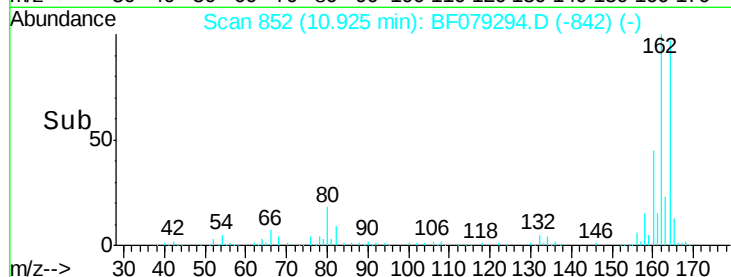
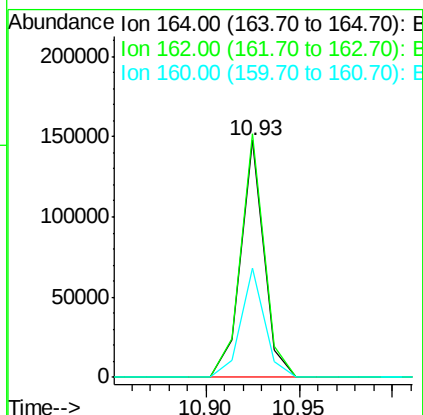
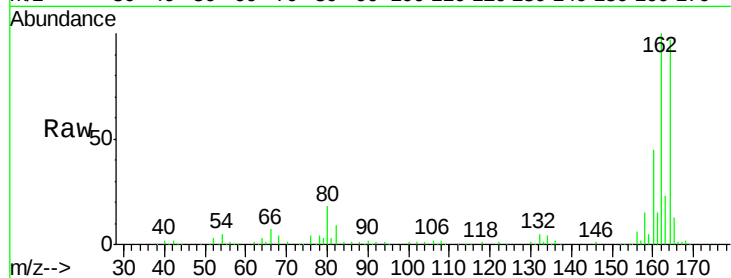




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.93 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

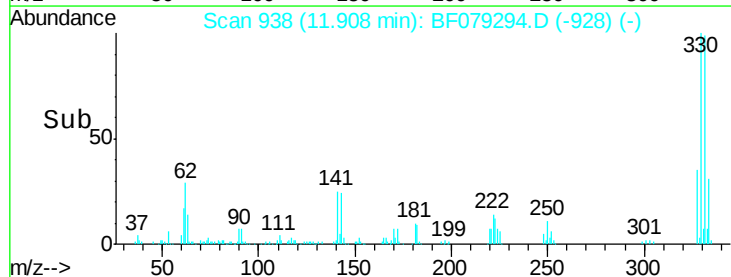
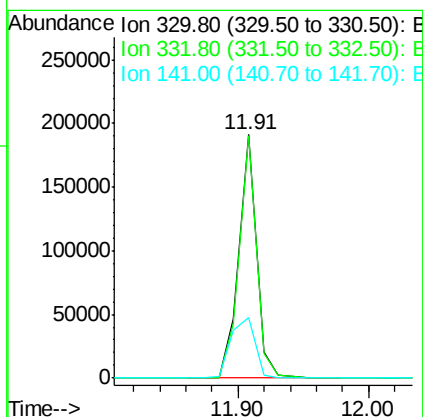
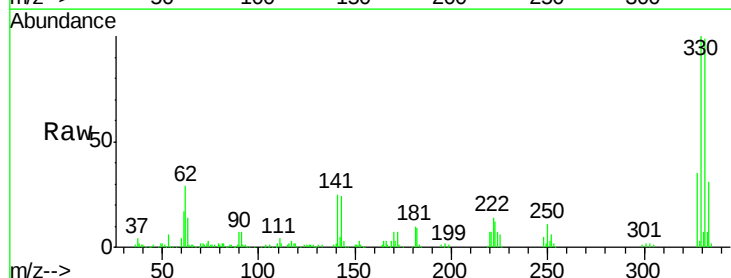
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

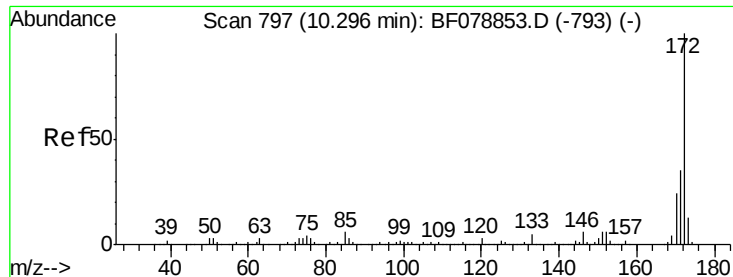
Tgt Ion:164 Resp: 129021
 Ion Ratio Lower Upper
 164 100
 162 102.9 81.4 122.0
 160 46.2 36.6 54.8



#41
 2,4,6-Tribromophenol
 Concen: 128.93 ng
 RT: 11.91 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion:330 Resp: 179963
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.9 115.3
 141 34.5 27.8 41.8

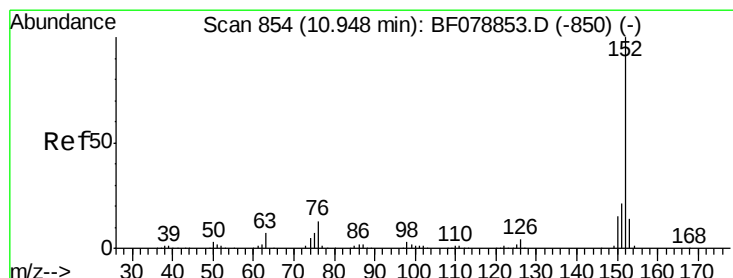
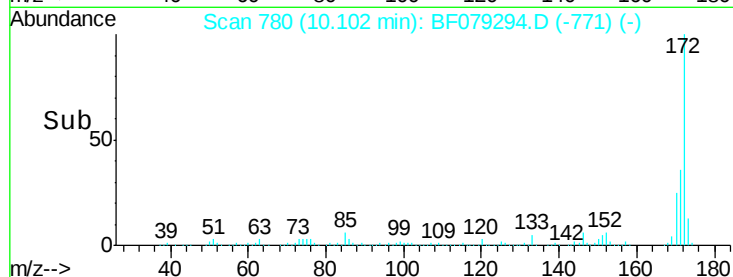
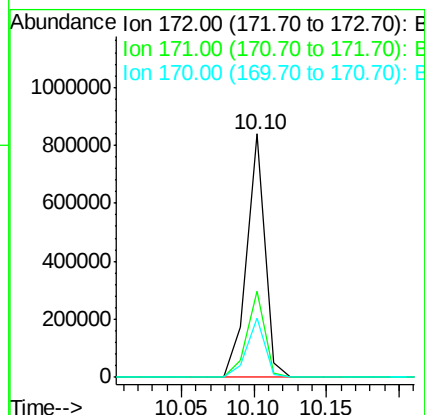
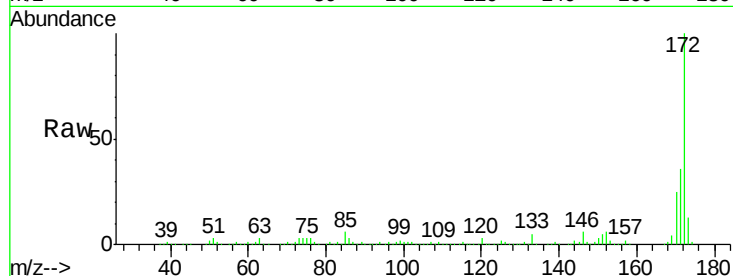




#44
 2-Fluorobiphenyl
 Concen: 79.25 ng
 RT: 10.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

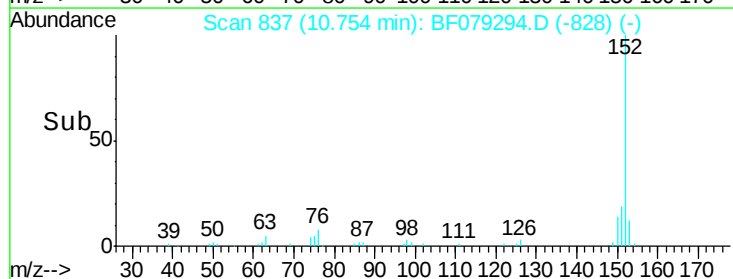
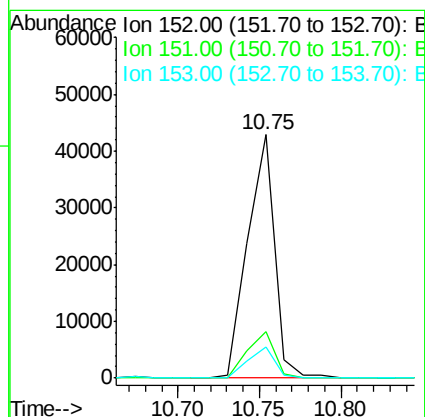
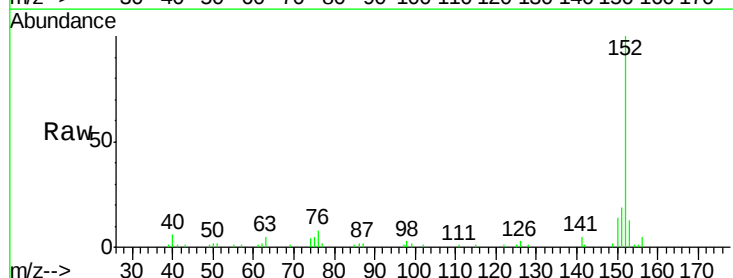
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

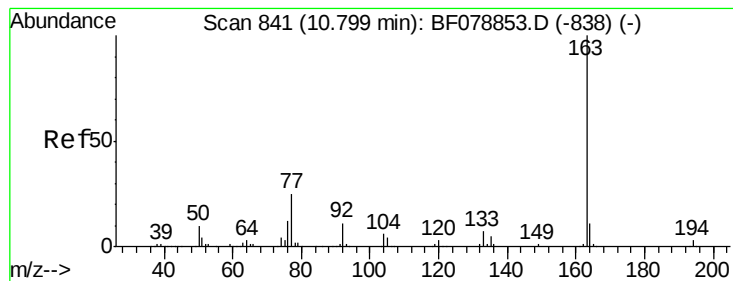
Tgt Ion:172 Resp: 733937
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.3 42.5
 170 24.6 19.4 29.2



#48
 Acenaphthylene
 Concen: 3.73 ng
 RT: 10.75 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion:152 Resp: 48933
 Ion Ratio Lower Upper
 152 100
 151 18.9 16.6 24.8
 153 12.9 11.0 16.6





#49

Dimethylphthalate

Concen: 9.44 ng

RT: 10.61 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

ClientSampleId :

WASTE-1

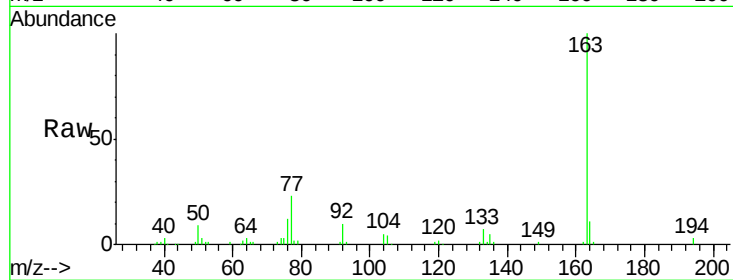
Tgt Ion:163 Resp: 89423

Ion Ratio Lower Upper

163 100

194 2.7 2.4 3.6

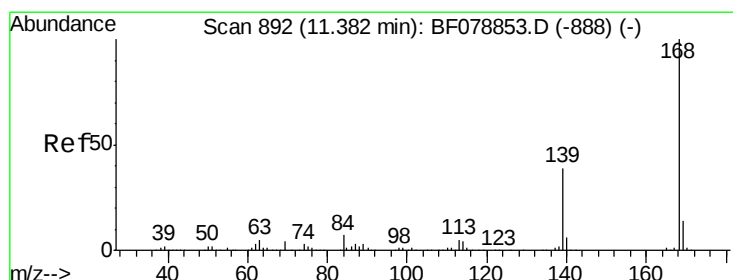
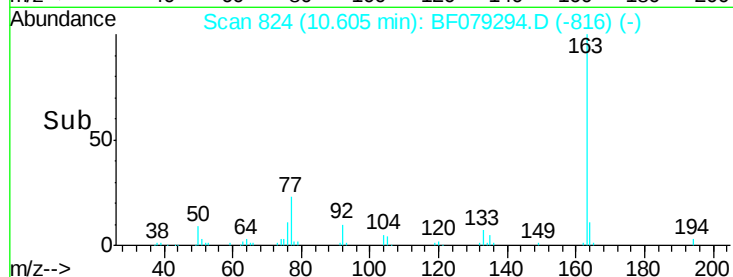
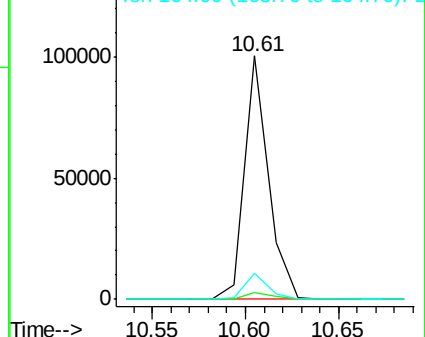
164 10.5 8.6 12.8



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



#54

Dibenzofuran

Concen: 2.71 ng

RT: 11.18 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

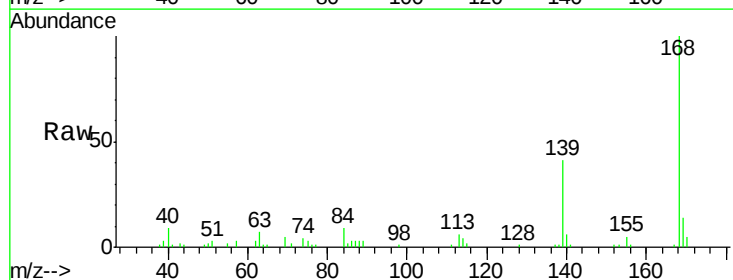
Tgt Ion:168 Resp: 30714

Ion Ratio Lower Upper

168 100

139 41.4 31.5 47.3

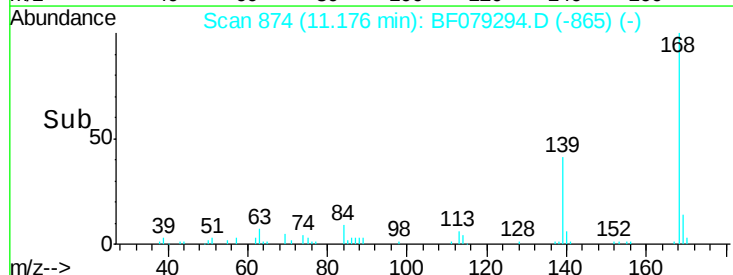
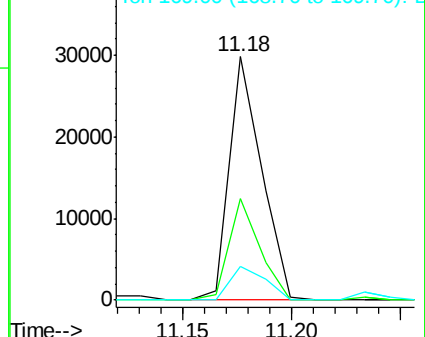
169 13.9 11.0 16.4

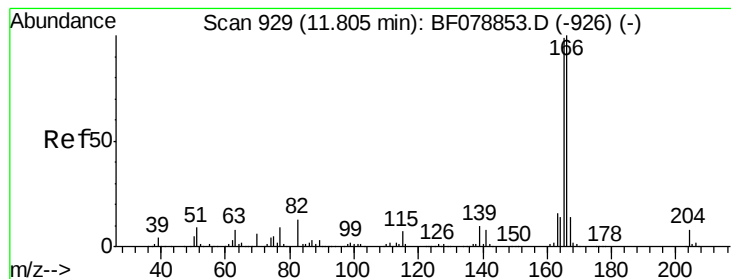


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 3.87 ng

RT: 11.60 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

ClientSampleId :

WASTE-1

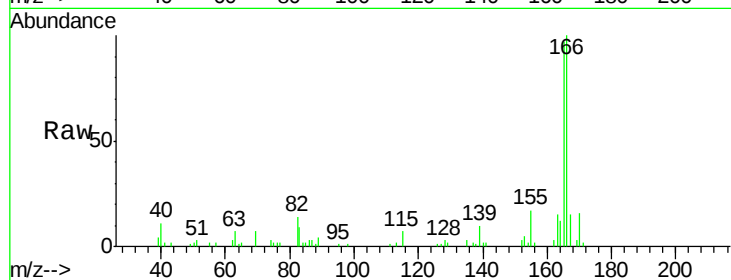
Tgt Ion:166 Resp: 35915

Ion Ratio Lower Upper

166 100

165 97.5 79.5 119.3

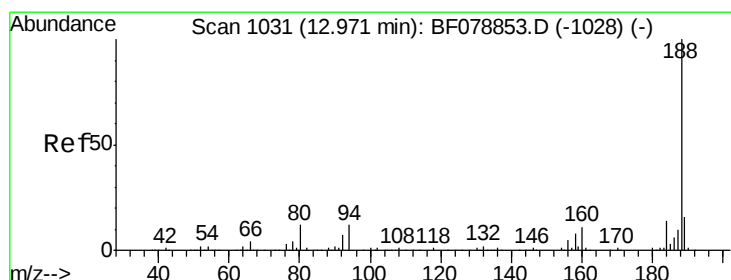
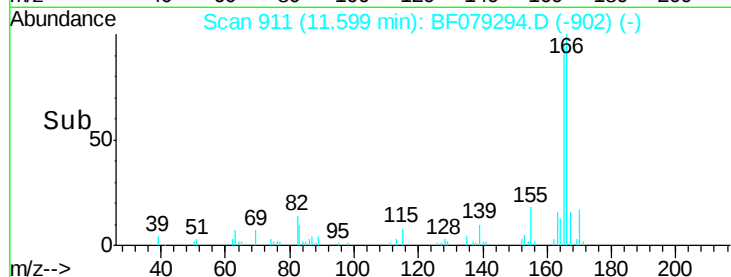
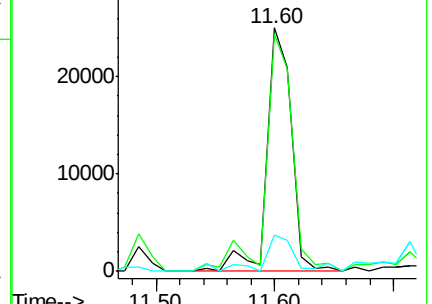
167 15.1 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.77 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

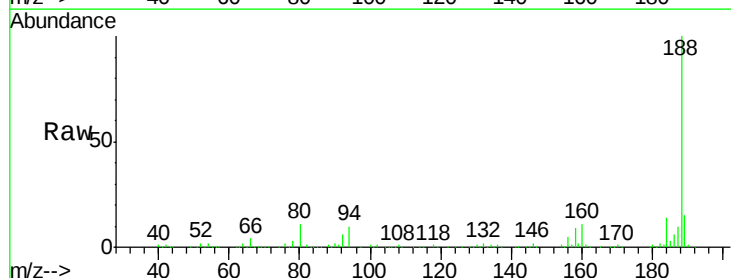
Tgt Ion:188 Resp: 229254

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.0

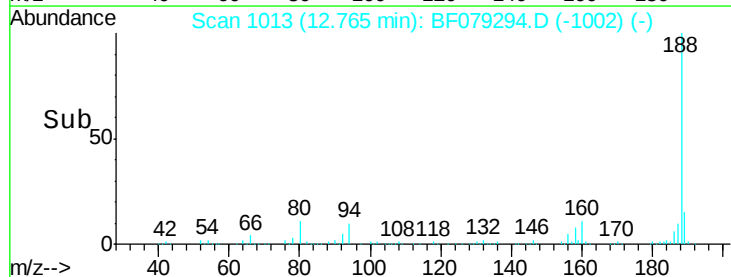
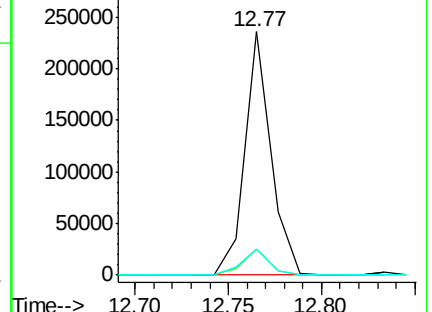
80 10.9 9.8 14.6

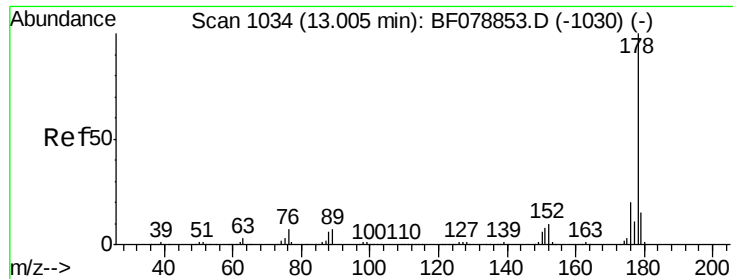


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

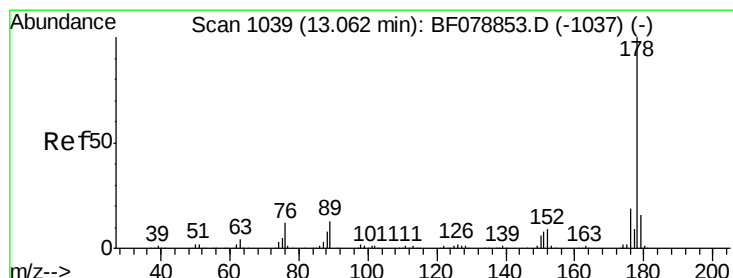
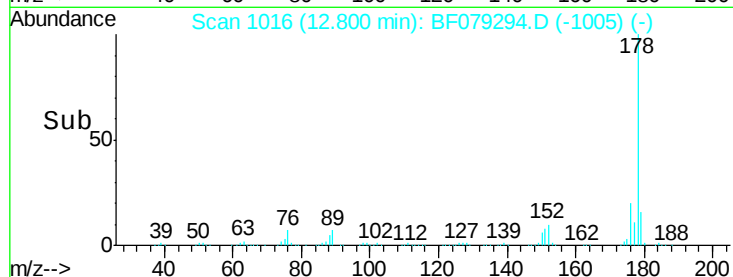
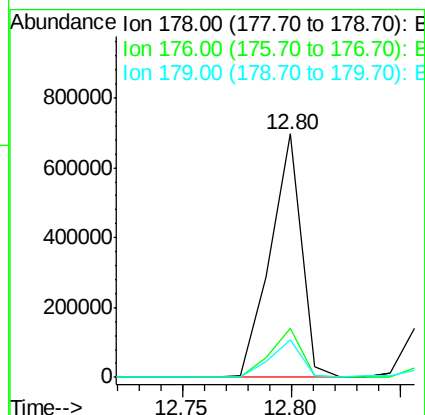
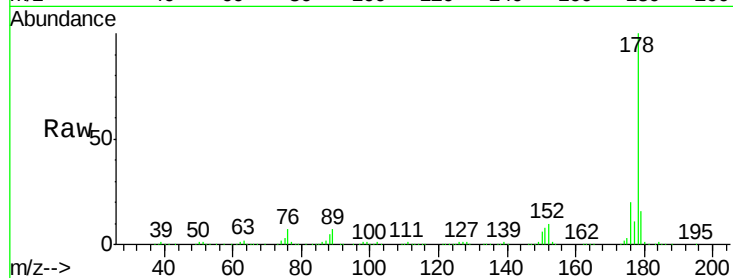




#70
 Phenanthrene
 Concen: 54.54 ng
 RT: 12.80 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

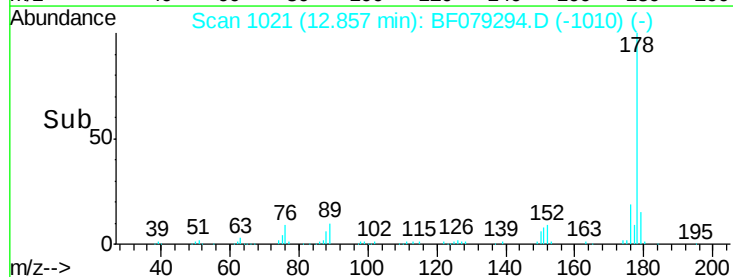
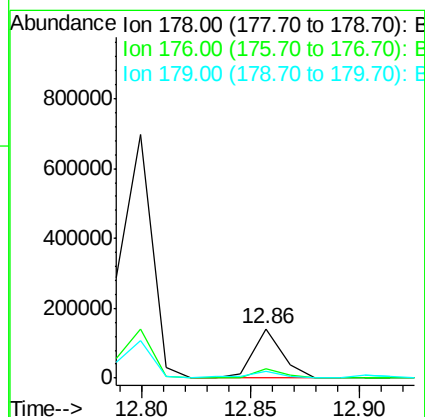
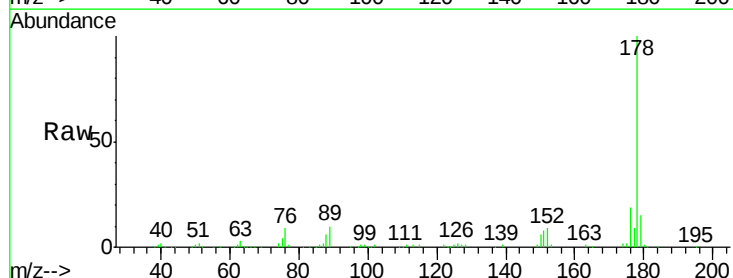
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

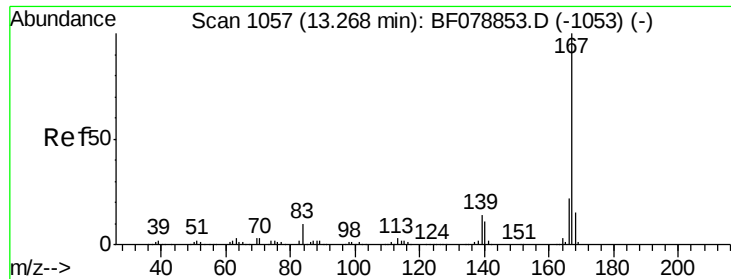
Tgt Ion:178 Resp: 699519
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.9 23.9
 179 15.7 12.2 18.4



#71
 Anthracene
 Concen: 10.52 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion:178 Resp: 132323
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 14.8 12.6 19.0

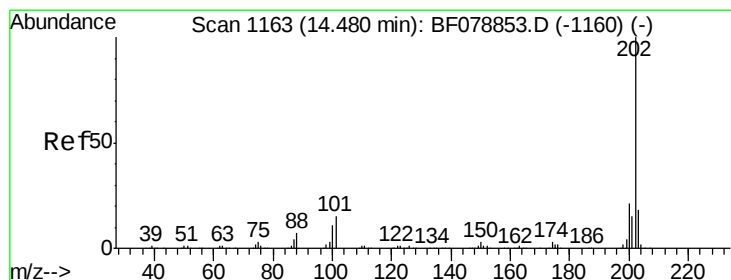
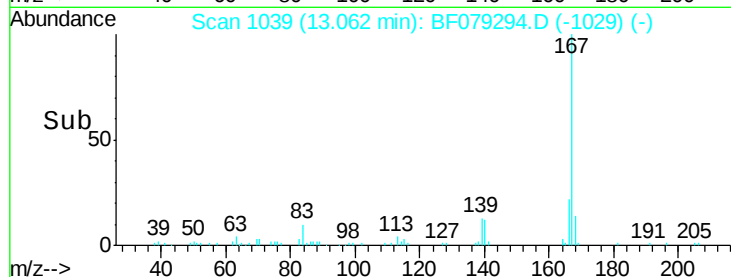
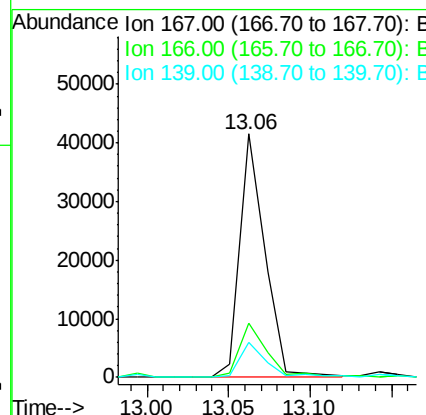
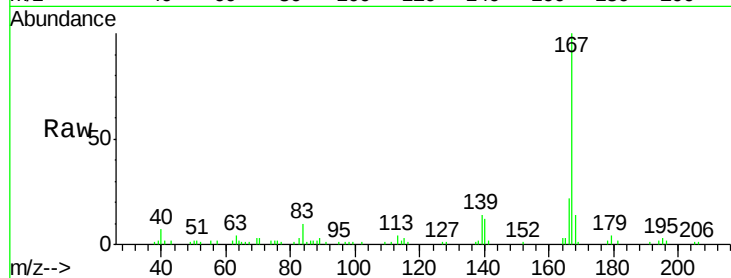




#72
 Carbazole
 Concen: 3.66 ng
 RT: 13.06 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

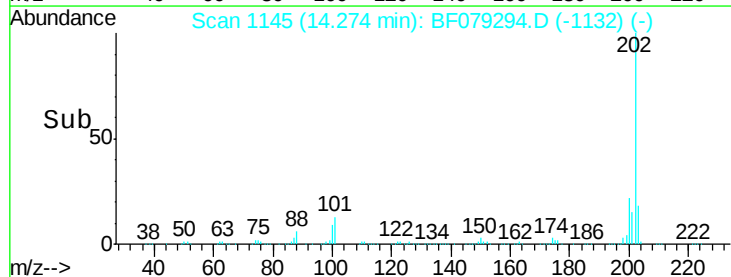
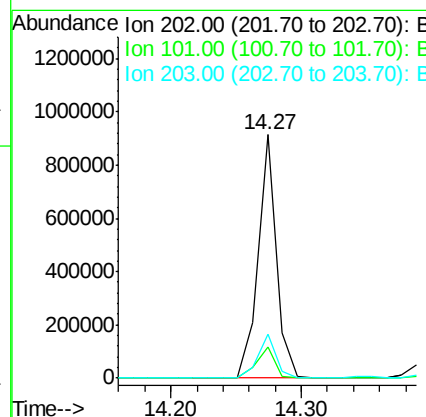
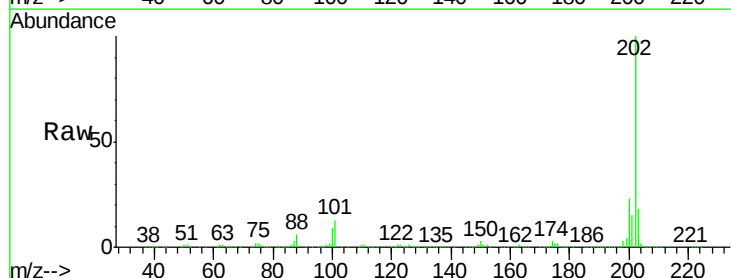
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

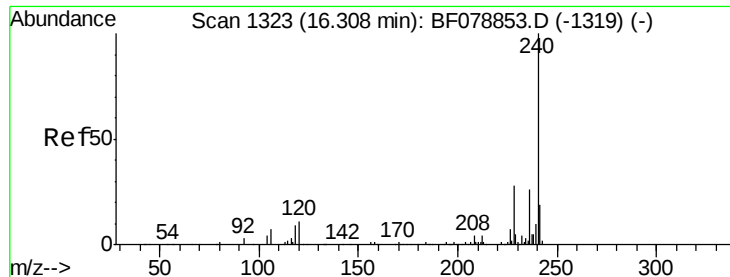
Tgt Ion:167 Resp: 43949
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.5 26.3
 139 14.3 11.0 16.4



#74
 Fluoranthene
 Concen: 66.90 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion:202 Resp: 894049
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 34.7
 203 18.2 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.06 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

ClientSampleId :

WASTE-1

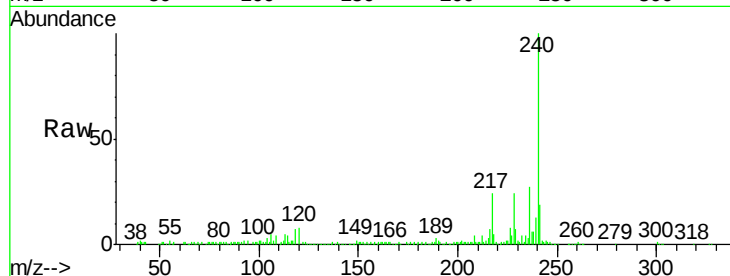
Tgt Ion:240 Resp: 224694

Ion Ratio Lower Upper

240 100

120 8.3 8.6 12.8#

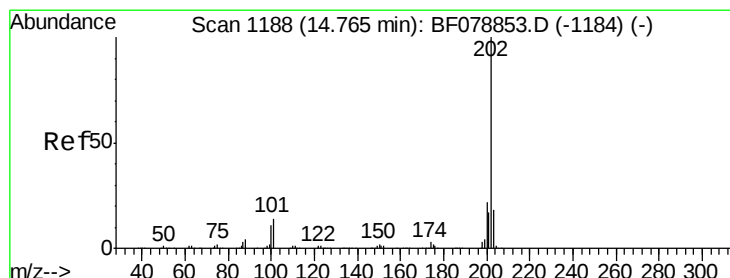
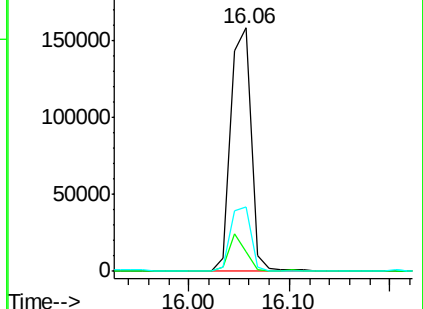
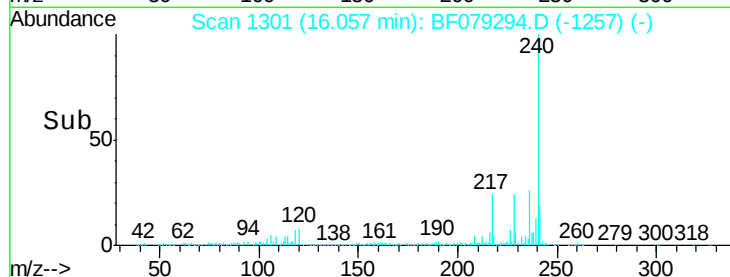
236 26.6 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 64.19 ng

RT: 14.55 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

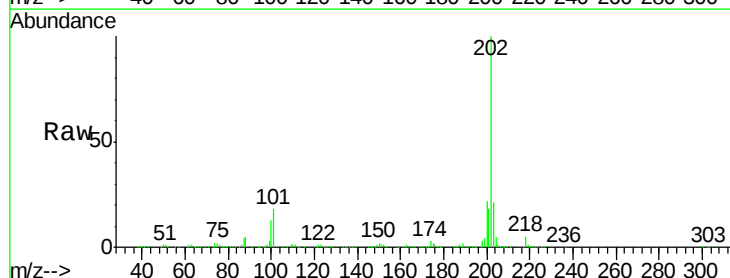
Tgt Ion:202 Resp: 831153

Ion Ratio Lower Upper

202 100

200 22.1 17.5 26.3

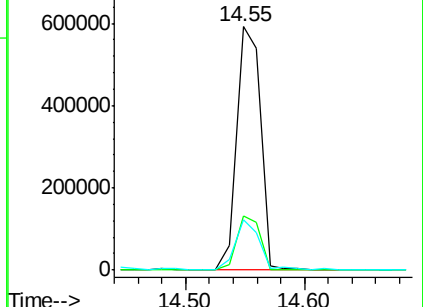
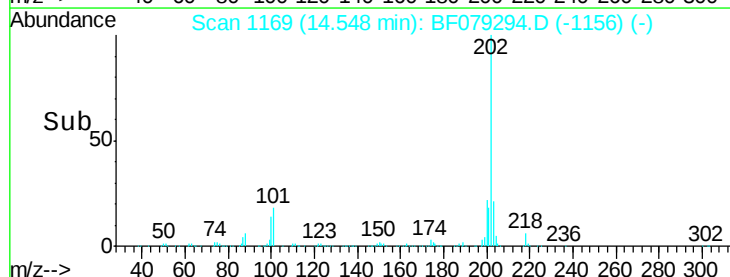
203 20.8 14.7 22.1

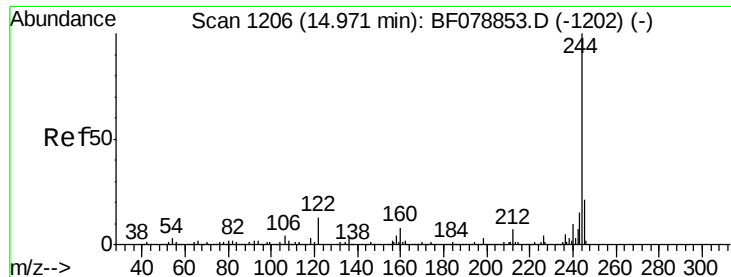


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.76 ng

RT: 14.77 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

ClientSampleId :

WASTE-1

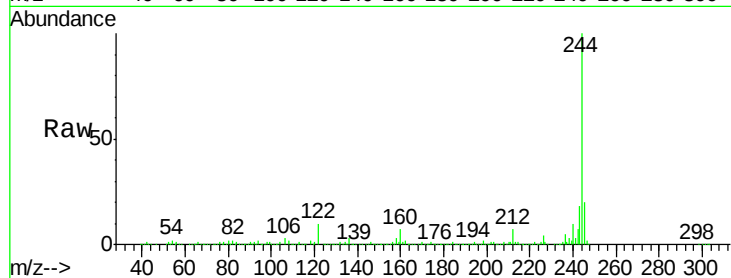
Tgt Ion:244 Resp: 654746

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

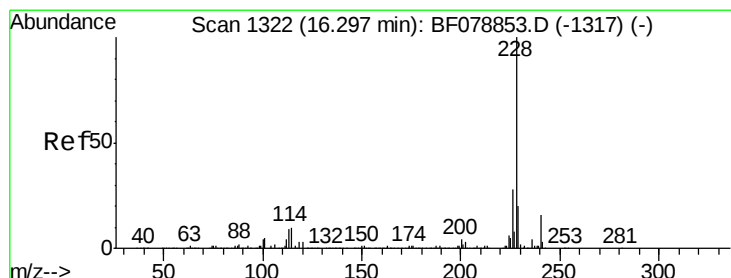
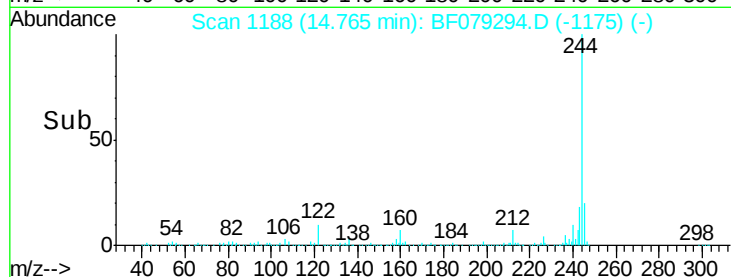
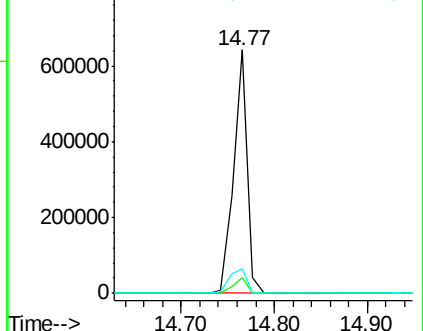
122 10.4 10.5 15.7#



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: 29.19 ng

RT: 16.08 min Scan# 1303

Delta R.T. 0.05 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

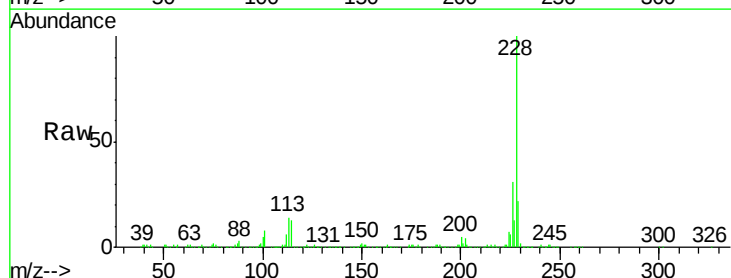
Tgt Ion:228 Resp: 359223

Ion Ratio Lower Upper

228 100

226 31.5 22.3 33.5

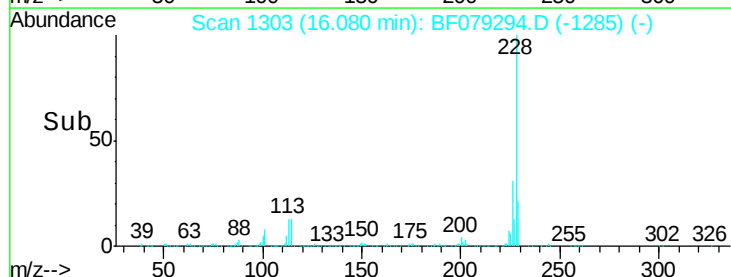
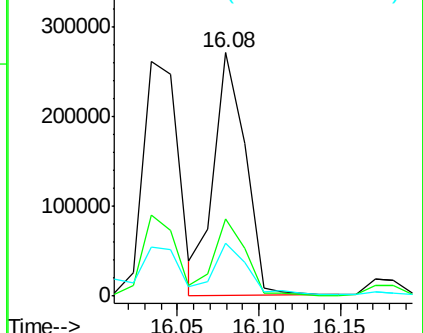
229 21.8 16.1 24.1

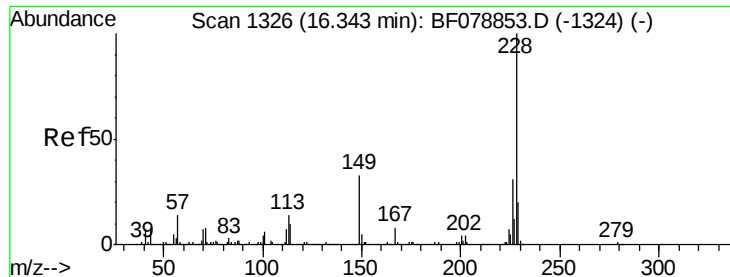


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 30.25 ng

RT: 16.08 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

ClientSampleId :

WASTE-1

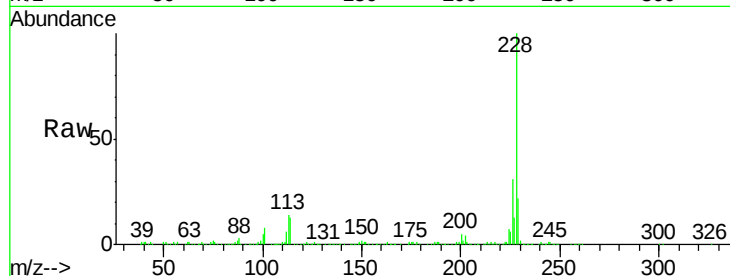
Tgt Ion:228 Resp: 357942

Ion Ratio Lower Upper

228 100

226 31.5 24.8 37.2

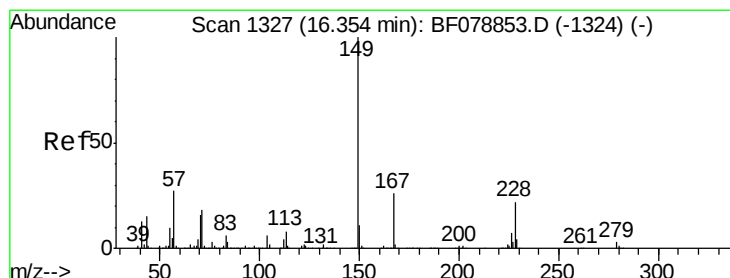
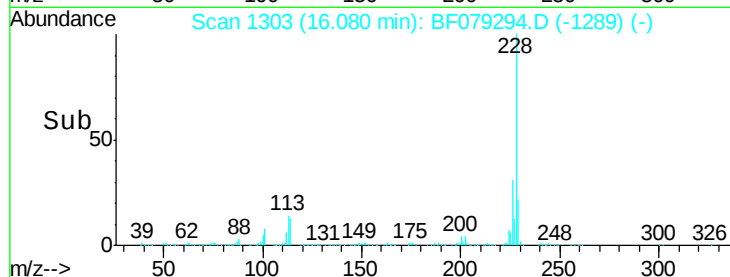
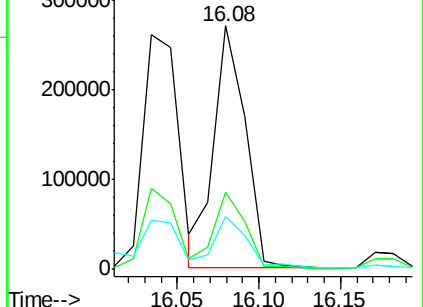
229 21.8 16.1 24.1



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: 8.32 ng

RT: 16.10 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

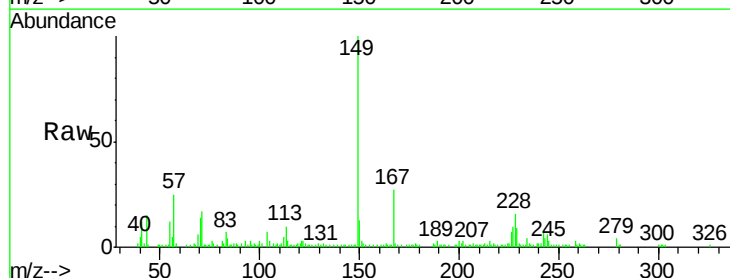
Tgt Ion:149 Resp: 71351

Ion Ratio Lower Upper

149 100

167 26.7 21.2 31.8

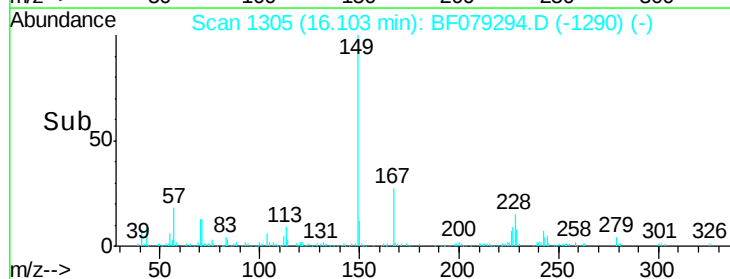
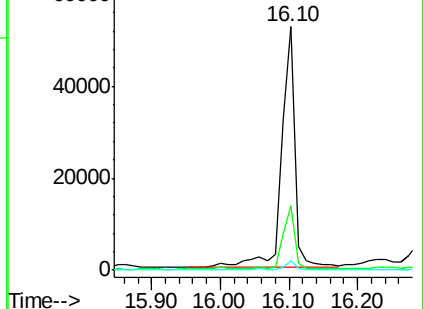
279 3.8 2.6 4.0

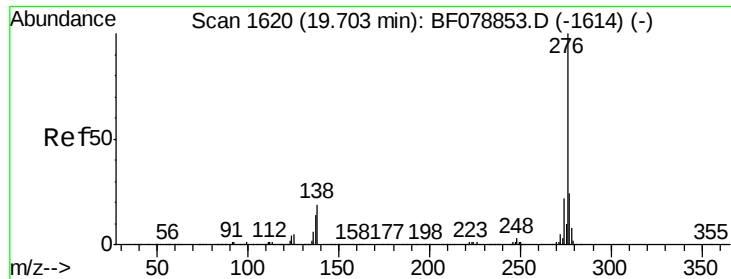


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

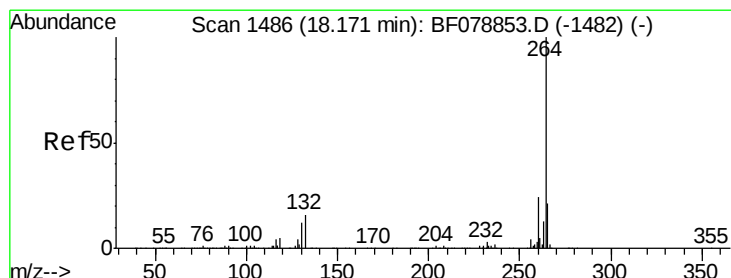
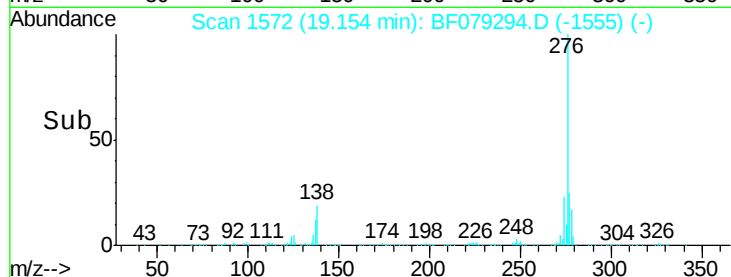
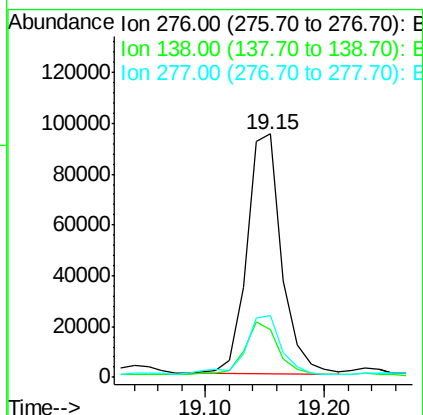
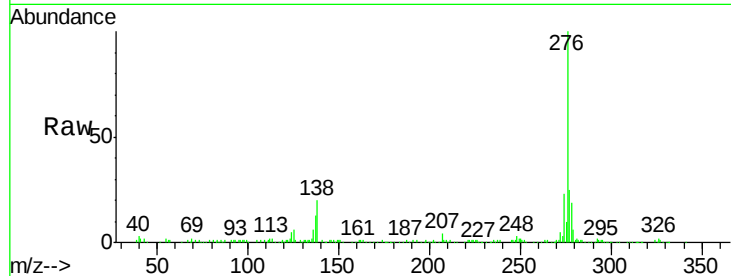




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.83 ng
 RT: 19.15 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

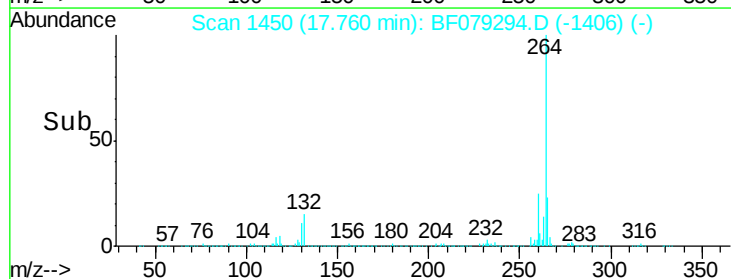
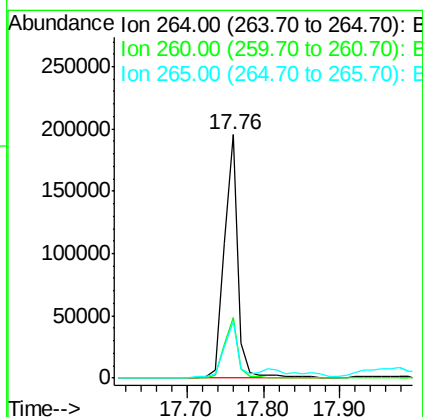
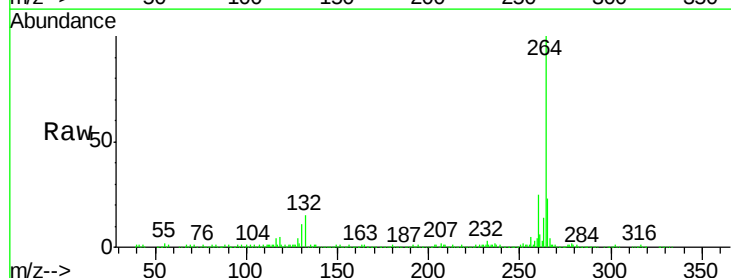
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

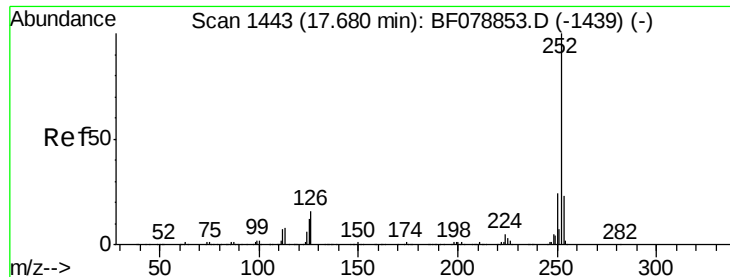
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	21.1	31.7
277	26.2	19.9	29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.76 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.1	17.2	25.8

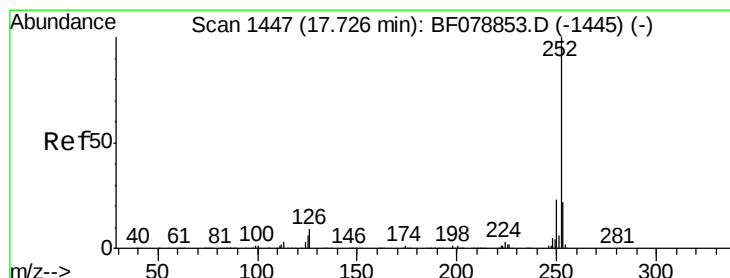
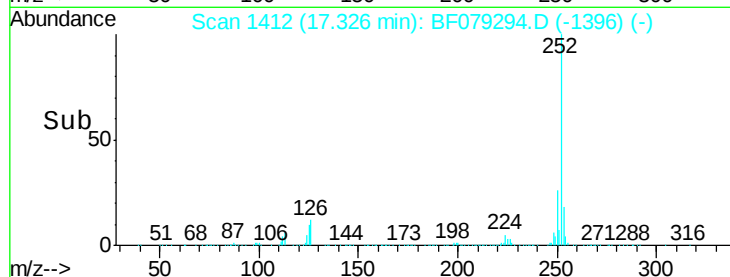
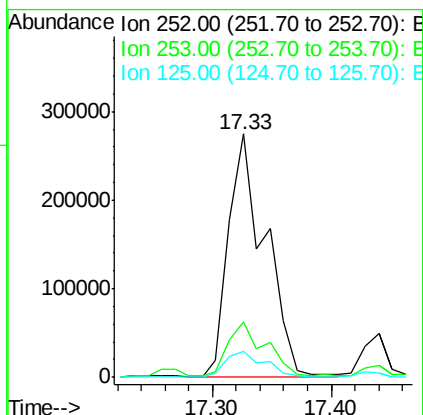
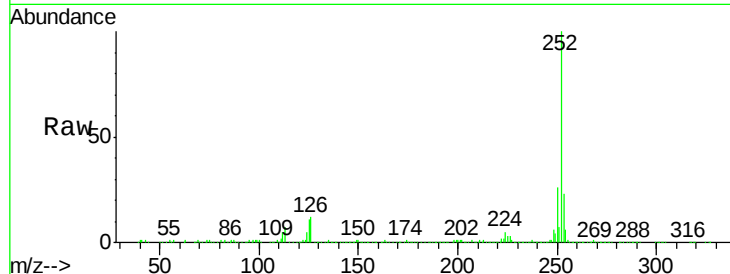




#87
Benzo(b)fluoranthene
Concen: 43.61 ng
RT: 17.33 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

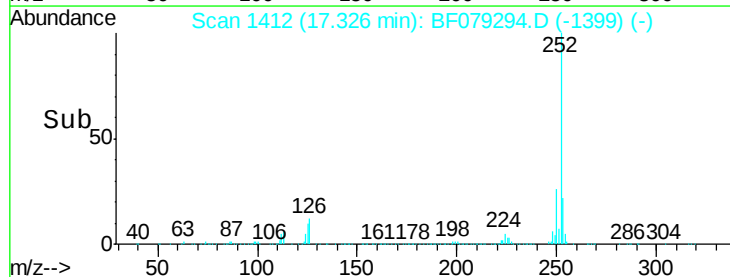
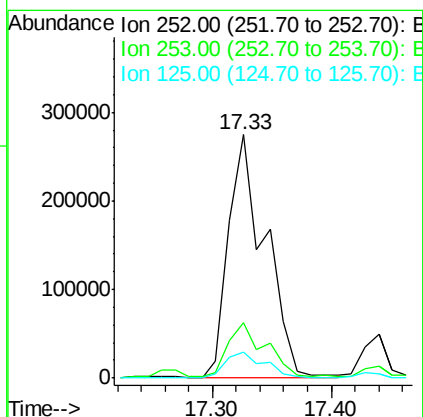
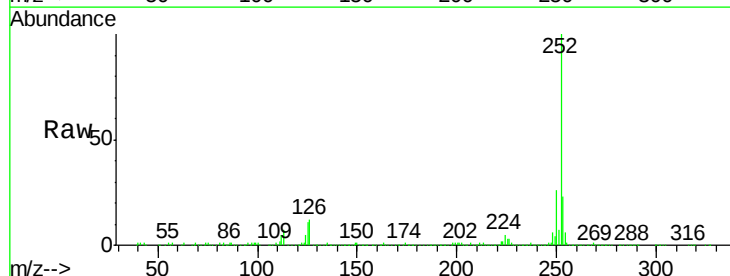
Instrument :
BNA_F
ClientSampleId :
WASTE-1

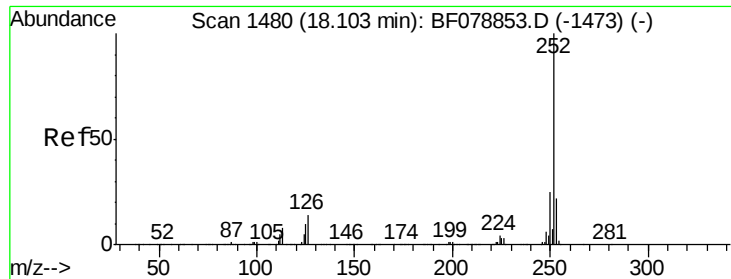
Tgt Ion:252 Resp: 587378
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 10.7 9.4 14.2



#88
Benzo(k)fluoranthene
Concen: 45.05 ng
RT: 17.33 min Scan# 1412
Delta R.T. -0.03 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

Tgt Ion:252 Resp: 587378
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 10.7 6.1 9.1#





#89

Benzo(a)pyrene

Concen: 26.59 ng

RT: 17.69 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

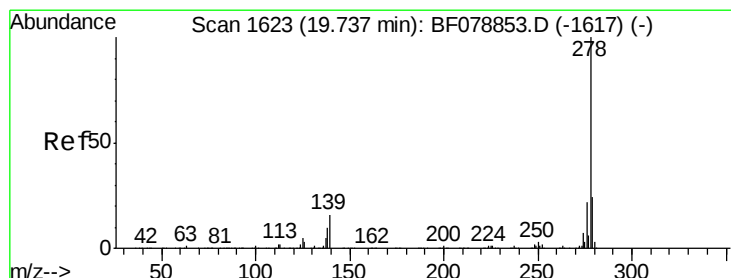
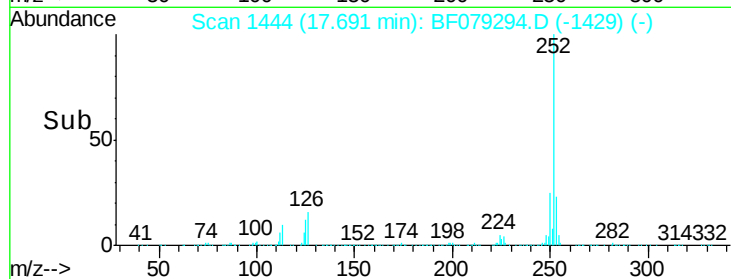
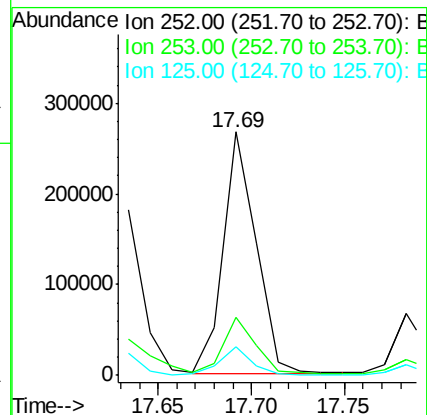
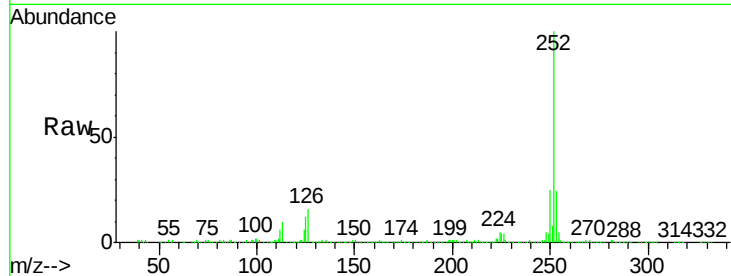
Instrument :

BNA_F

ClientSampleId :

WASTE-1

Tgt Ion:	252	Resp:	329713
Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	11.8	8.2	12.2



#90

Dibenzo(a,h)anthracene

Concen: 2.81 ng

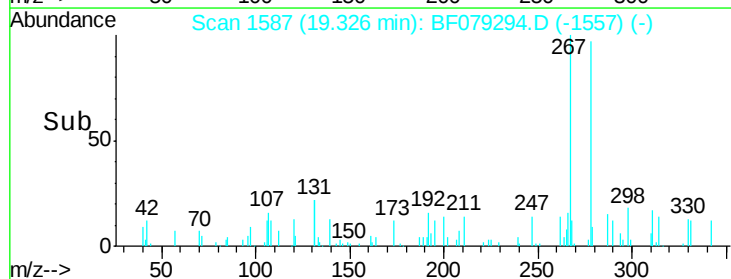
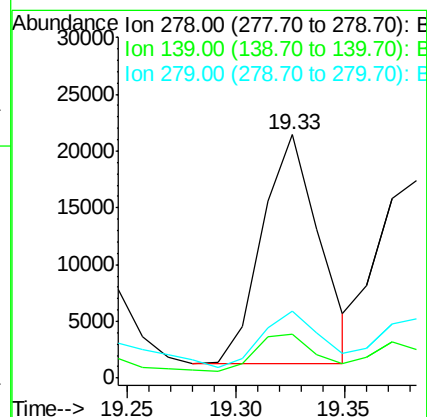
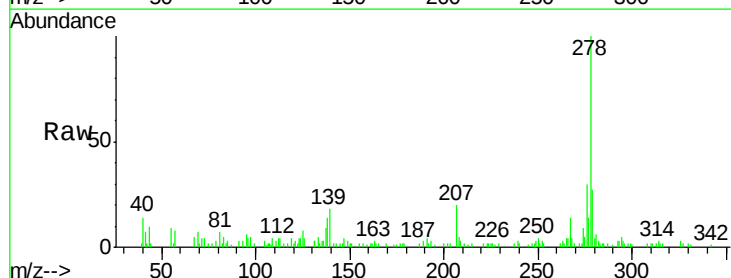
RT: 19.33 min Scan# 1587

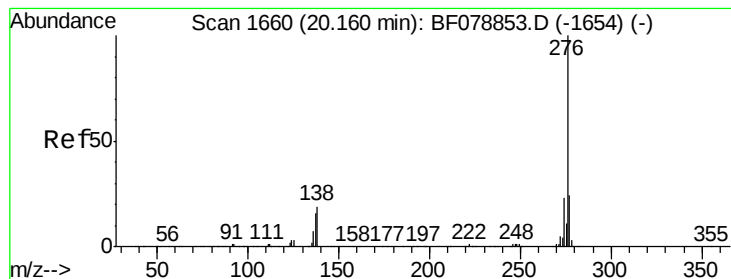
Delta R.T. 0.14 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Tgt Ion:	278	Resp:	37011
Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.1	19.7
279	27.4	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 13.46 ng

RT: 19.57 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

ClientSampleId :

WASTE-1

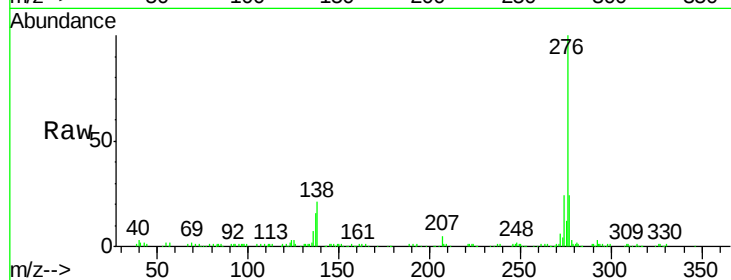
Tgt Ion: 276 Resp: 177772

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 20.8 15.2 22.8



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

