

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112316\
 Data File : BF091310.D
 Acq On : 24 Nov 2016 12:12
 Operator : UM/SJ
 Sample : H5720-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-3

Quant Time: Nov 25 00:16:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

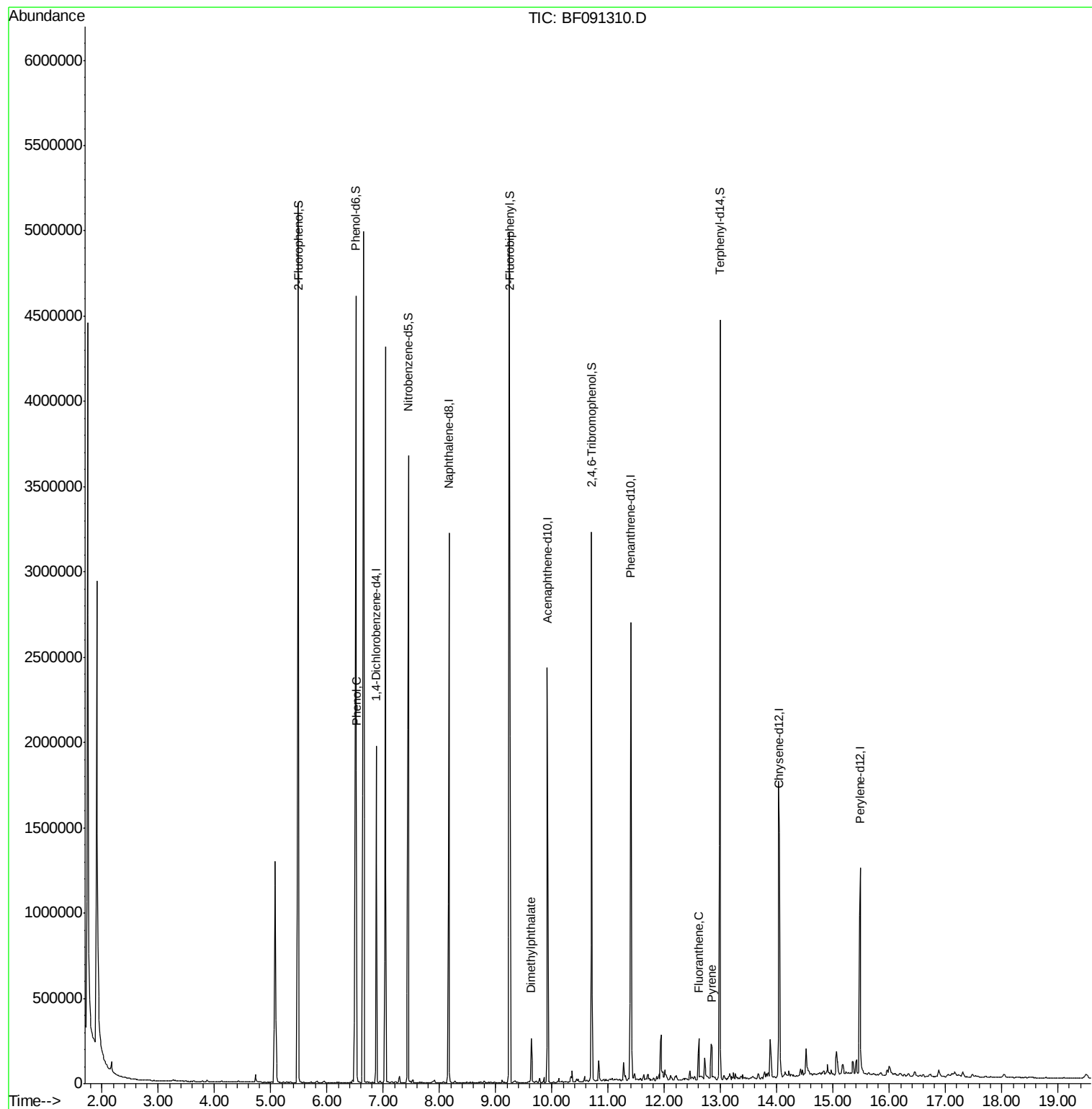
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	363152	40.00	ng	0.00
21) Naphthalene-d8	8.17	136	1408464	40.00	ng	0.00
38) Acenaphthene-d10	9.92	164	645556	40.00	ng	0.00
63) Phenanthrene-d10	11.40	188	919619	40.00	ng	0.00
75) Chrysene-d12	14.04	240	820317	40.00	ng	0.00
86) Perylene-d12	15.48	264	645632	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1715717	151.82	ng	0.02
7) Phenol-d6	6.51	99	1915004	131.89	ng	0.01
23) Nitrobenzene-d5	7.45	82	1367226	111.77	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	371943	114.27	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1855740	94.14	ng	0.00
78) Terphenyl-d14	12.99	244	1397692	77.83	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	36244	2.89	ng	82
10) Phenol	6.52	94	118799	7.33	ng	93
49) Dimethylphthalate	9.63	163	117830	5.85	ng	# 98
70) Phenanthrene	11.42	178	61161	2.56	ng	98
71) Anthracene	11.42	178	61161	2.51	ng	98
74) Fluoranthene	12.61	202	125524	5.17	ng	97
77) Pyrene	12.84	202	123774	4.08	ng	97
80) Benzo(a)anthracene	14.02	228	68687	2.95	ng	97
82) Chrysene	14.05	228	61003	2.77	ng	97
89) Benzo(a)pyrene	15.36	252	39365	2.27	ng	93

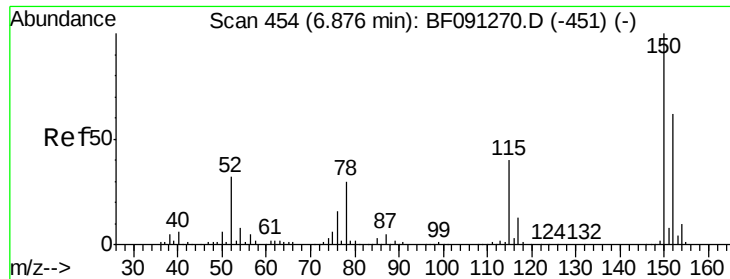
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.88 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

Instrument :

BNA_F

ClientSampleId :

WASTE-3

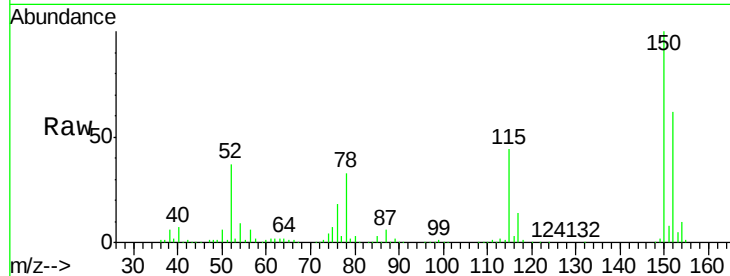
Tot Ion:152 Resp: 363152

Ion Ratio Lower Upper

152 100

150 162.0 122.5 183.7

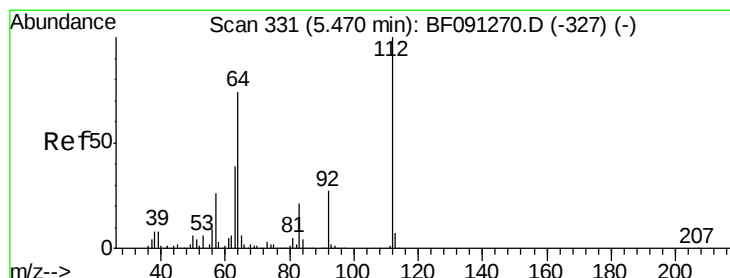
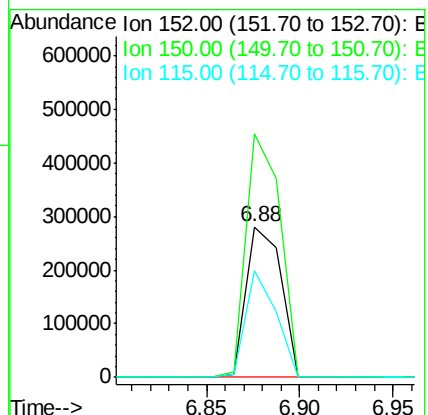
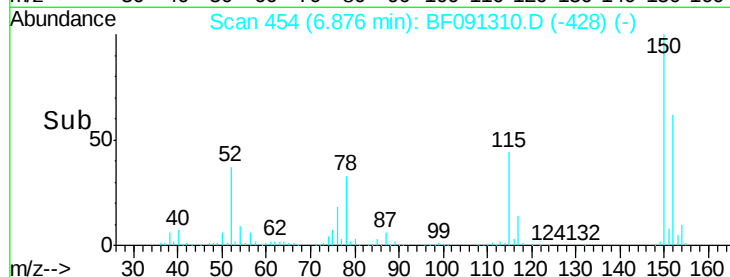
115 70.8 51.8 77.8



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: 151.82 ng

RT: 5.49 min Scan# 333

Delta R.T. 0.02 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

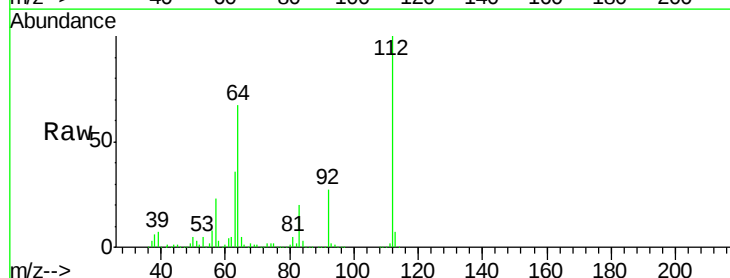
Tgt Ion:112 Resp: 1715717

Ion Ratio Lower Upper

112 100

64 67.4 61.5 92.3

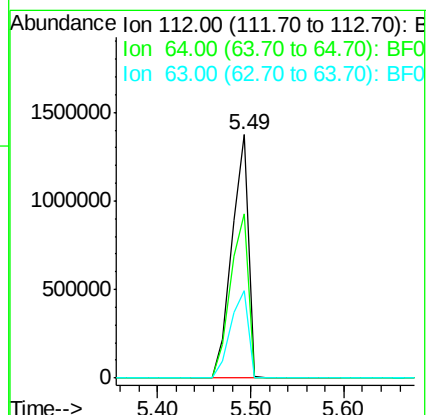
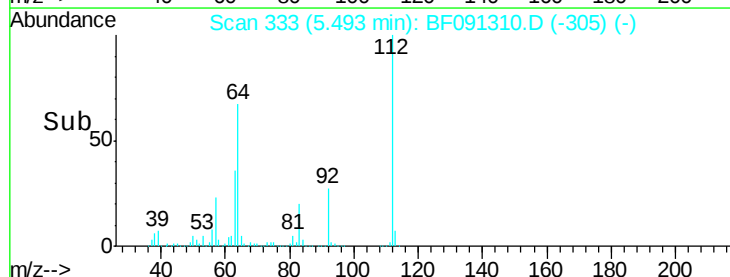
63 36.0 33.3 49.9

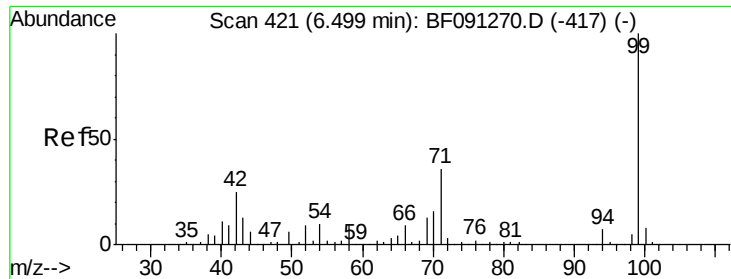


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.89 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

Instrument :

BNA_F

ClientSampleId :

WASTE-3

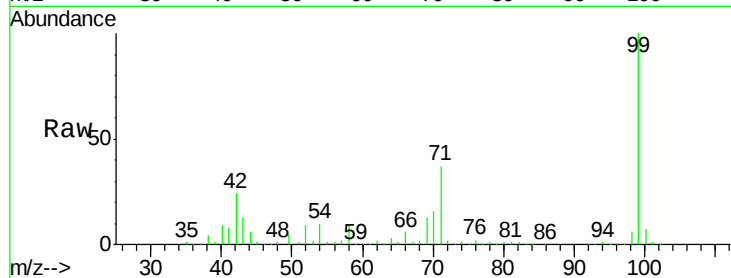
Tot Ion: 99 Resp: 1915004

Ion Ratio Lower Upper

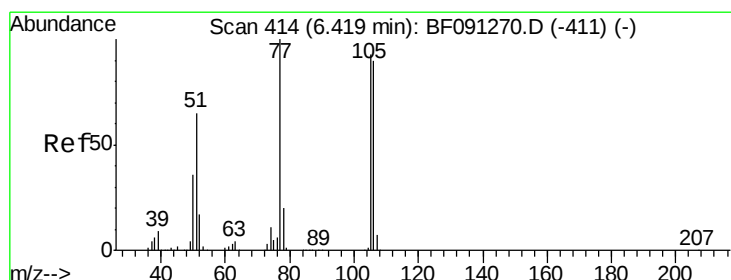
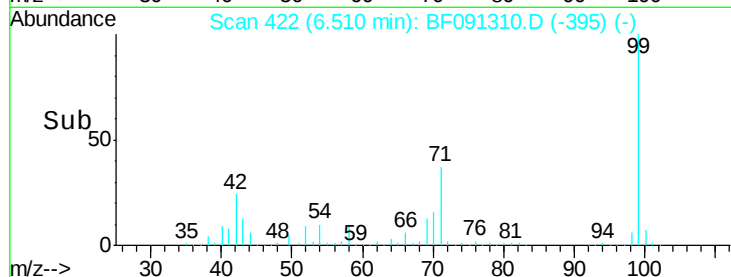
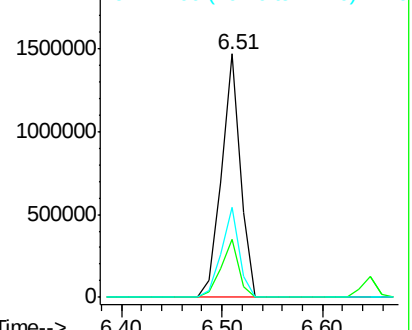
99 100

42 24.0 20.6 31.0

71 37.2 29.9 44.9



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



#9

Benzaldehyde

Concen: 2.89 ng

RT: 6.65 min Scan# 434

Delta R.T. 0.23 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

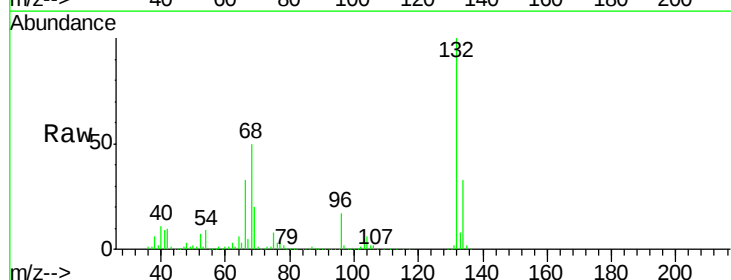
Tgt Ion: 77 Resp: 36244

Ion Ratio Lower Upper

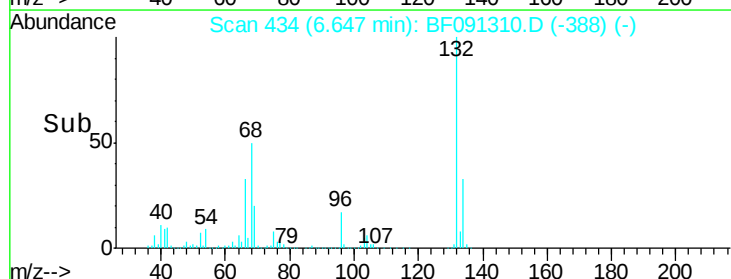
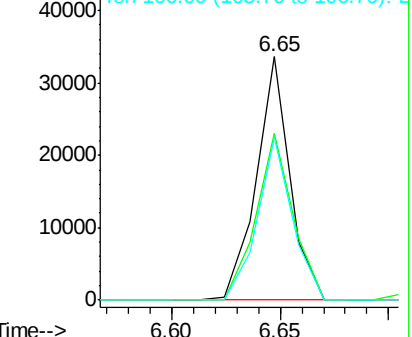
77 100

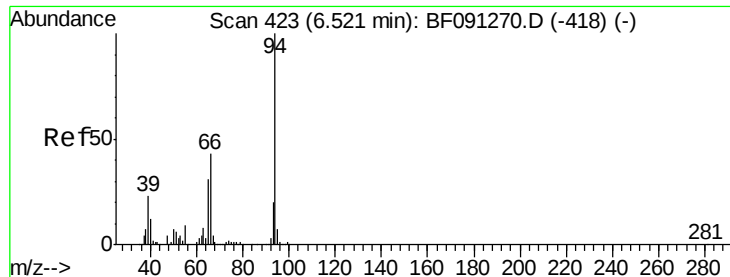
105 68.7 66.4 106.4

106 67.0 60.9 100.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 7.33 ng

RT: 6.52 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

Instrument :

BNA_F

ClientSampleId :

WASTE-3

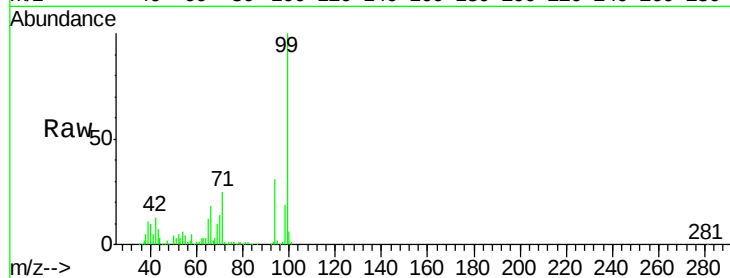
Tot Ion: 94 Resp: 118799

Ion Ratio Lower Upper

94 100

65 38.0 16.9 56.9

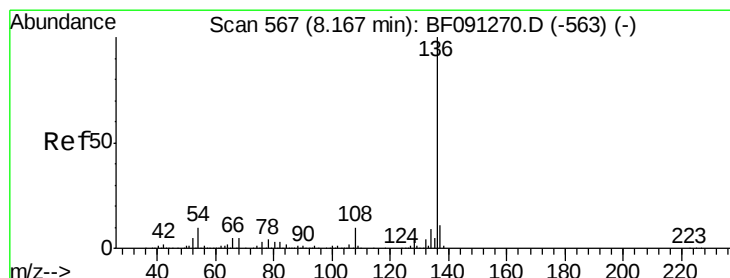
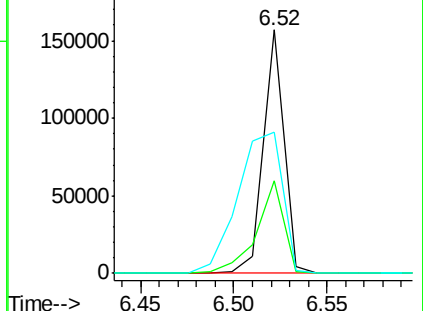
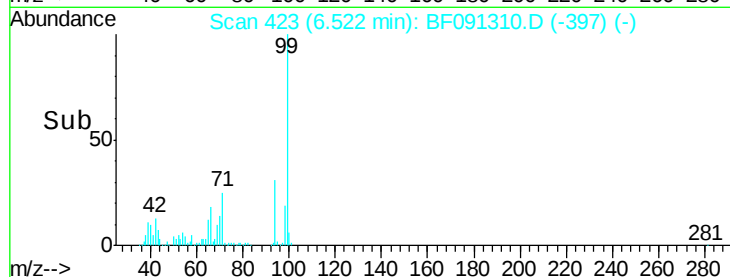
66 58.0 30.6 70.6



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.17 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

Tgt Ion: 136 Resp: 1408464

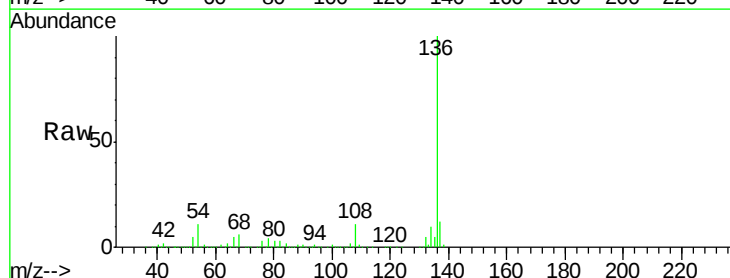
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 10.7 9.1 13.7

68 5.6 5.9 8.9#

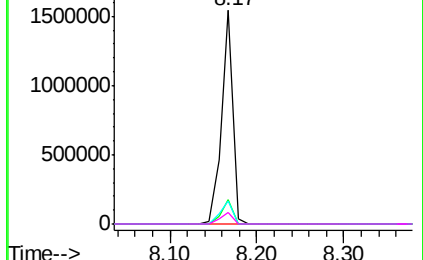
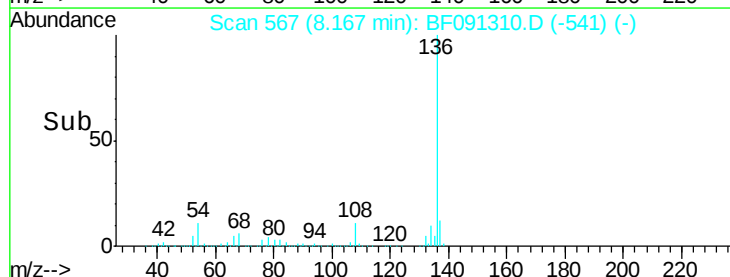


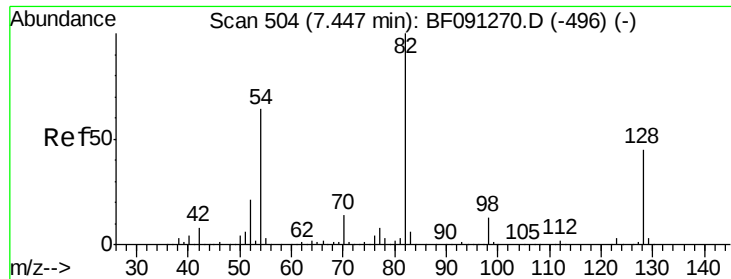
Abundance Ion 136.00 (135.70 to 136.70): E

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

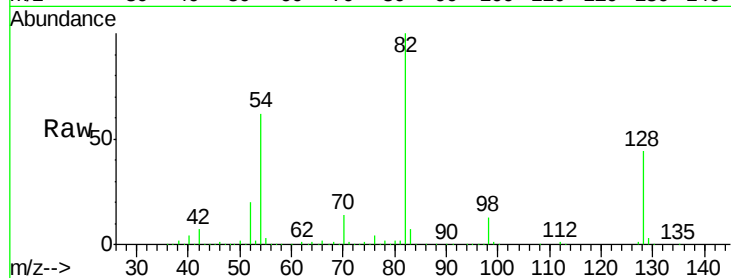




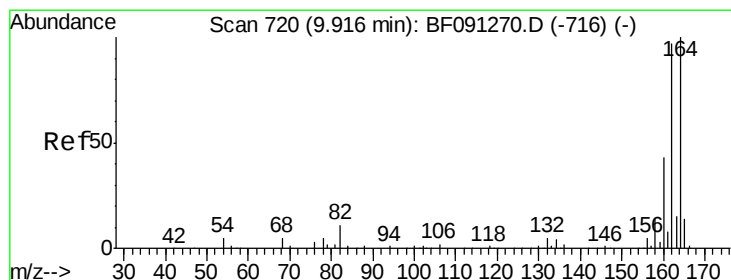
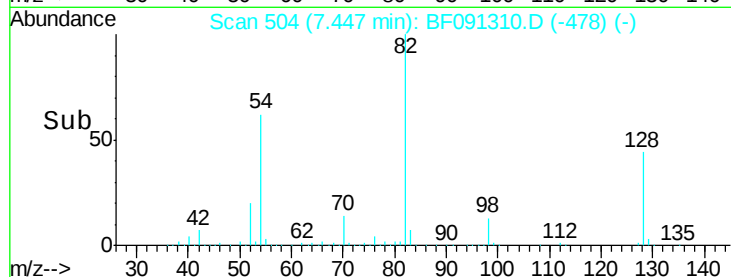
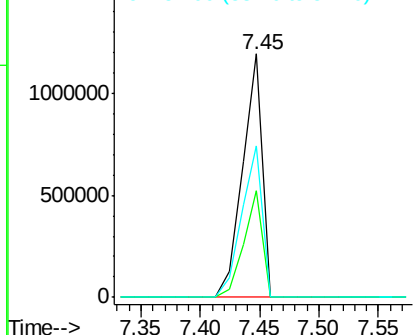
#23
 Nitrobenzene-d5
 Concen: 111.77 ng
 RT: 7.45 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF091310.D
 Acq: 24 Nov 2016 12:12

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-3

Tot Ion: 82 Resp: 1367226
 Ion Ratio Lower Upper
 82 100
 128 43.7 31.8 47.6
 54 62.2 49.1 73.7

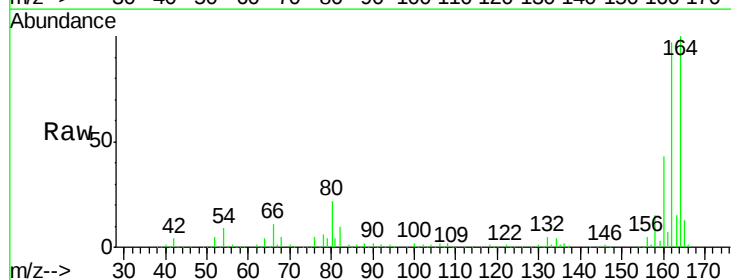


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

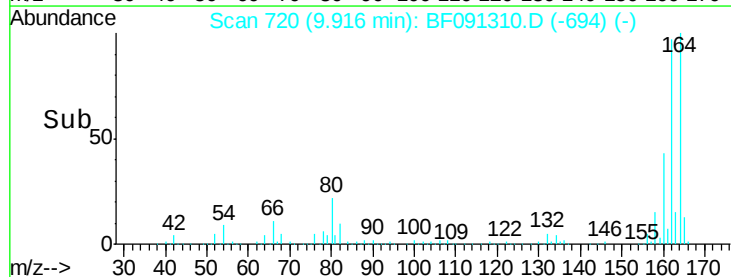
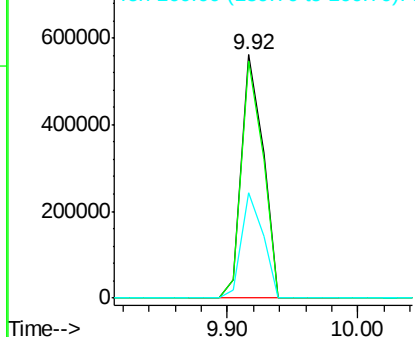


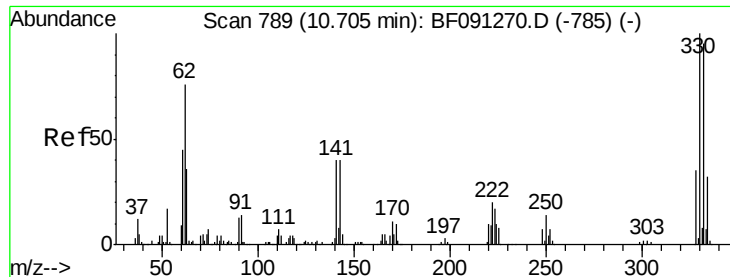
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.92 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF091310.D
 Acq: 24 Nov 2016 12:12

Tgt Ion:164 Resp: 645556
 Ion Ratio Lower Upper
 164 100
 162 97.4 82.6 124.0
 160 43.3 36.7 55.1



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

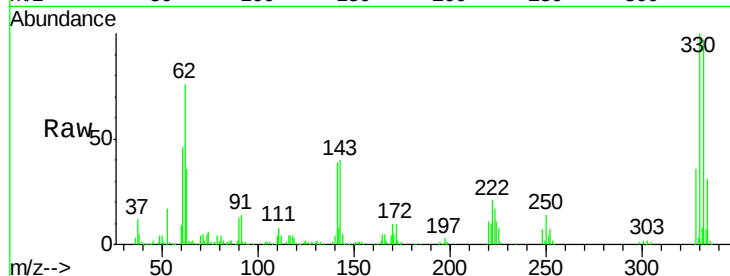




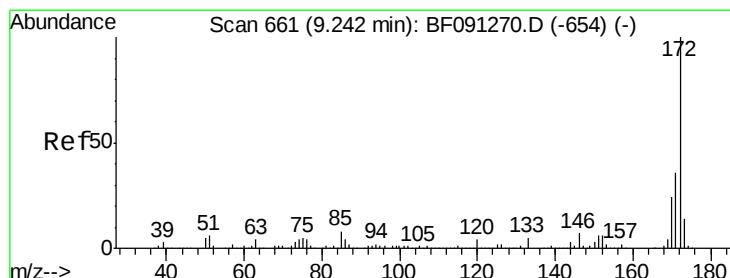
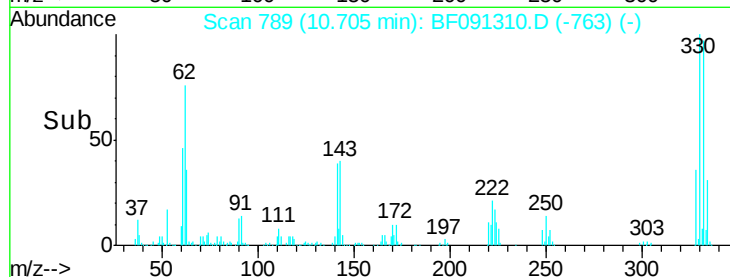
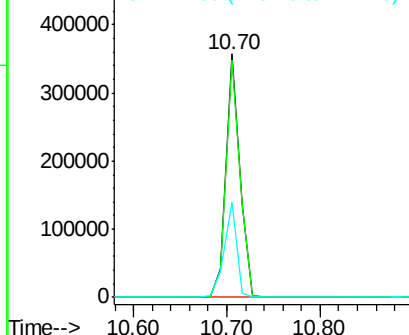
#41
 2,4,6-Tribromophenol
 Concen: 114.27 ng
 RT: 10.70 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF091310.D
 Acq: 24 Nov 2016 12:12

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-3

Tot Ion:330 Resp: 371943
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.2 114.4
 141 34.6 33.6 50.4

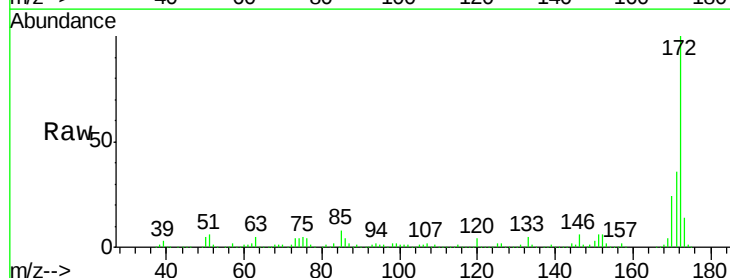


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

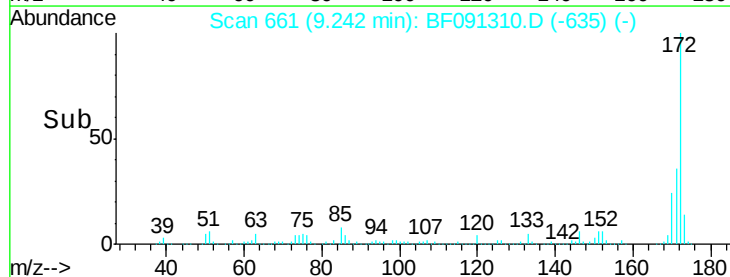
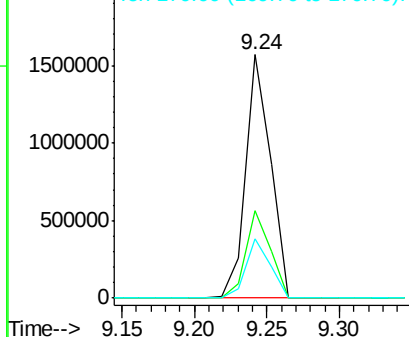


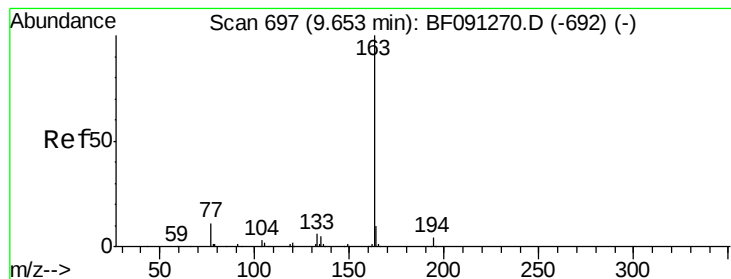
#44
 2-Fluorobiphenyl
 Concen: 94.14 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091310.D
 Acq: 24 Nov 2016 12:12

Tgt Ion:172 Resp: 1855740
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.3 19.7 29.5



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: 5.85 ng

RT: 9.63 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

Instrument :

BNA_F

ClientSampleId :

WASTE-3

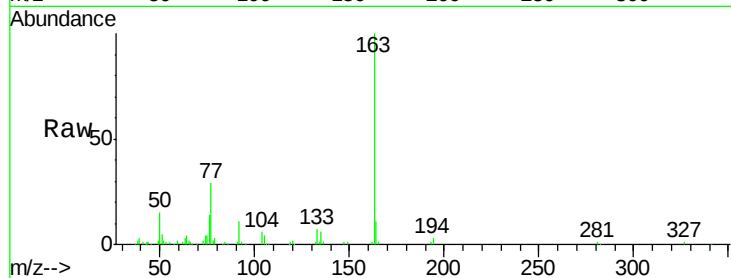
Tot Ion:163 Resp: 117830

Ion Ratio Lower Upper

163 100

194 2.9 3.0 4.4#

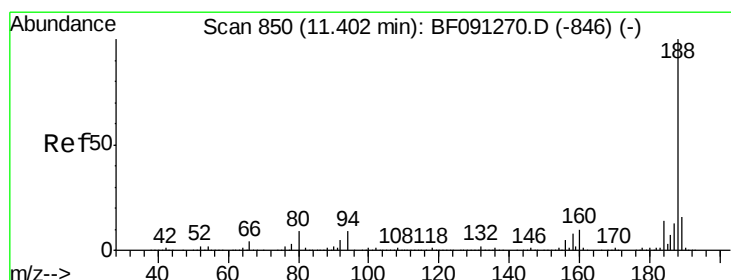
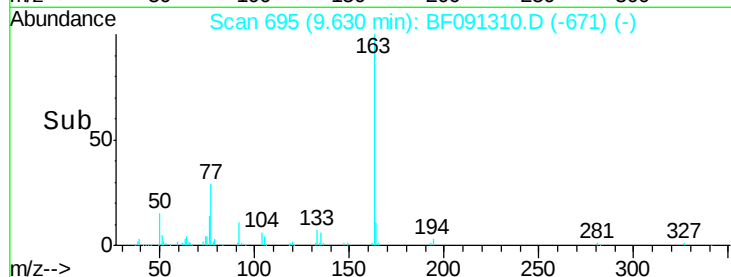
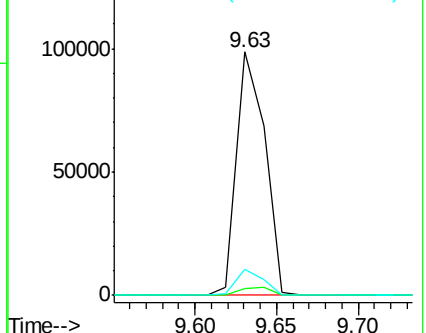
164 10.7 7.8 11.8



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



#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.40 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

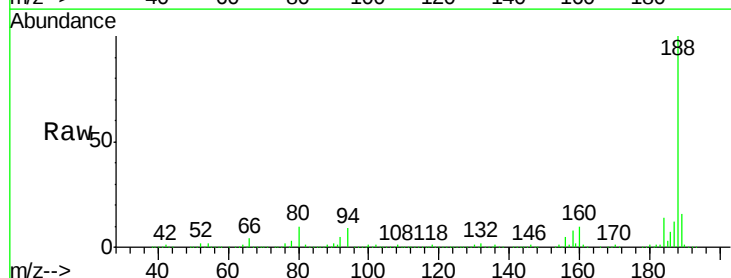
Tgt Ion:188 Resp: 919619

Ion Ratio Lower Upper

188 100

94 9.0 9.2 13.8#

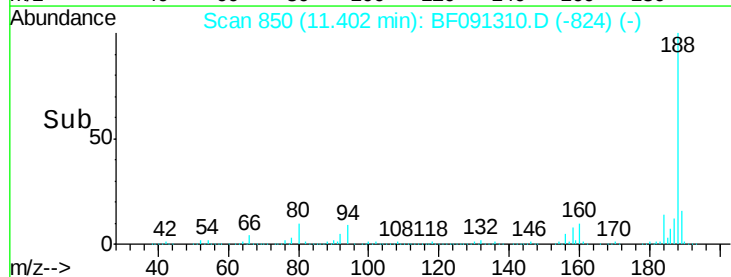
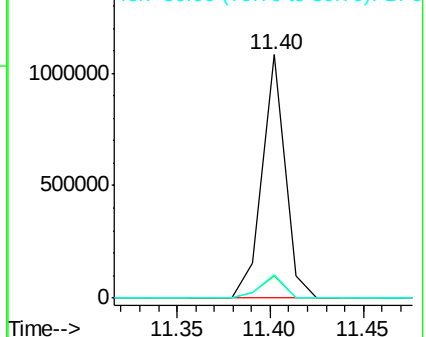
80 9.5 10.5 15.7#

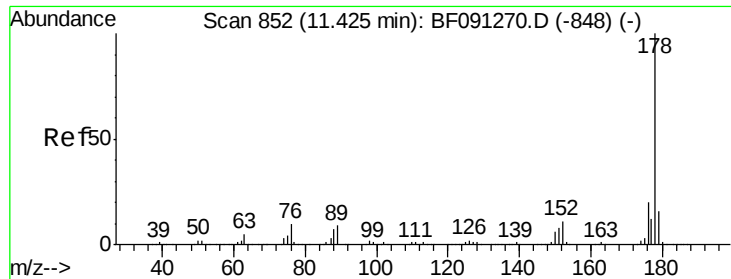


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

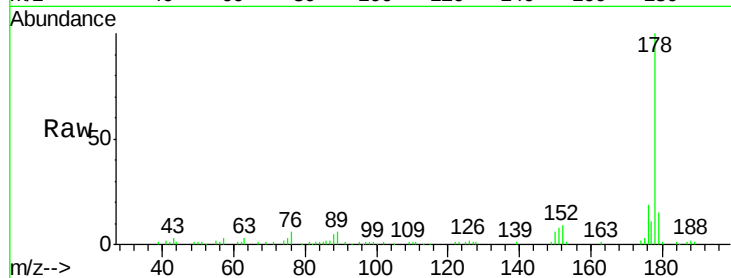




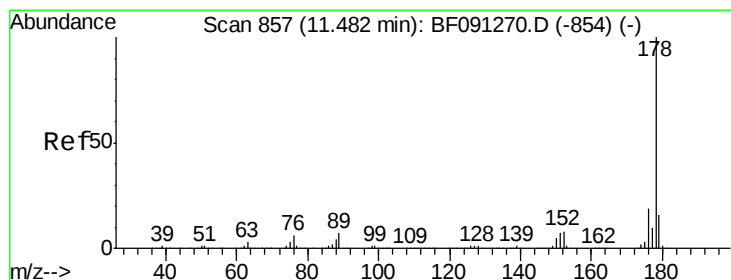
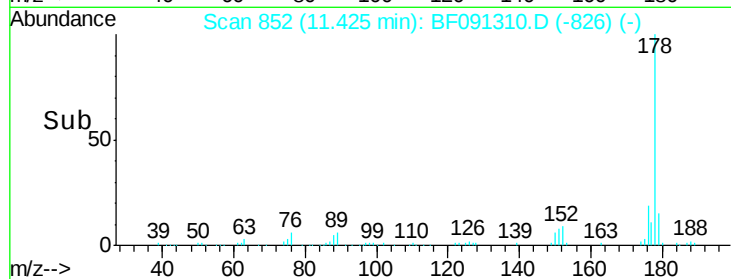
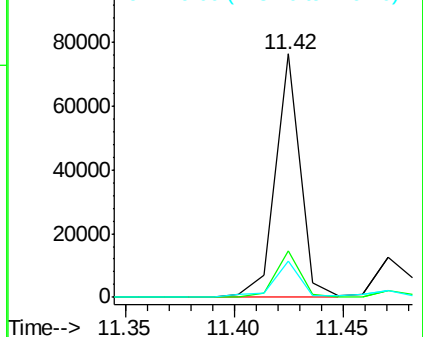
#70
Phenanthrene
Concen: 2.56 ng
RT: 11.42 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF091310.D
Acq: 24 Nov 2016 12:12

Instrument :
BNA_F
ClientSampleId :
WASTE-3

Tot Ion:178 Resp: 61161
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.1 12.6 18.8

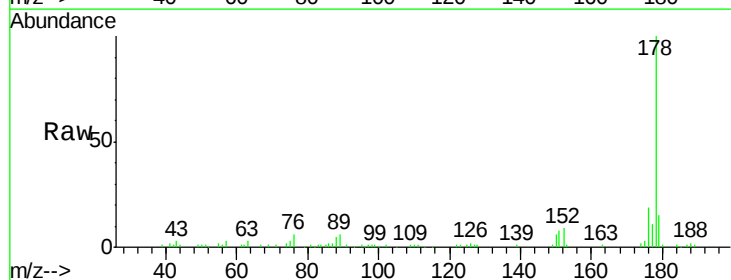


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

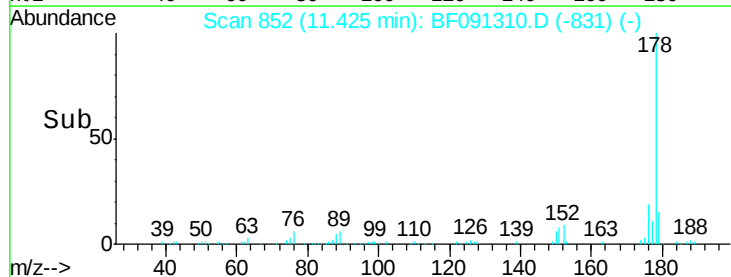
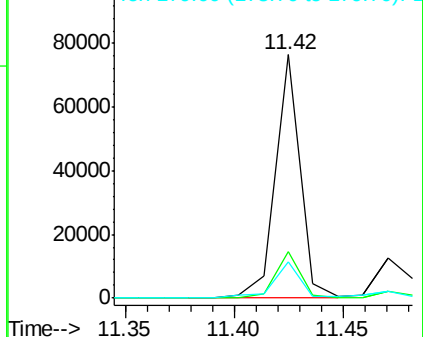


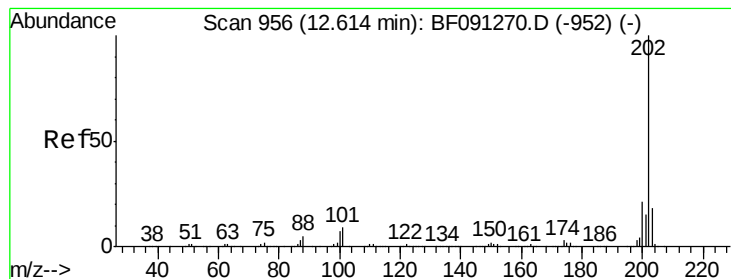
#71
Anthracene
Concen: 2.51 ng
RT: 11.42 min Scan# 852
Delta R.T. -0.06 min
Lab File: BF091310.D
Acq: 24 Nov 2016 12:12

Tgt Ion:178 Resp: 61161
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.1 12.7 19.1



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





#74

Fluoranthene

Concen: 5.17 ng

RT: 12.61 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

Instrument :

BNA_F

ClientSampleId :

WASTE-3

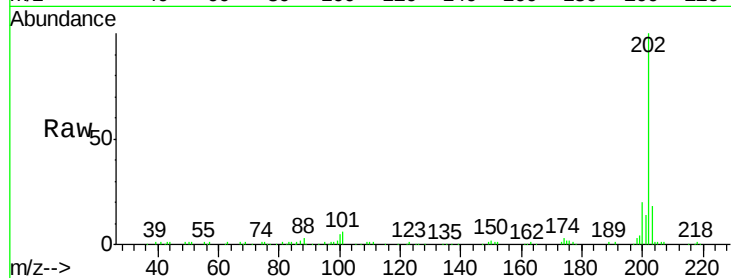
Tot Ion:202 Resp: 125524

Ion Ratio Lower Upper

202 100

101 6.4 0.0 29.5

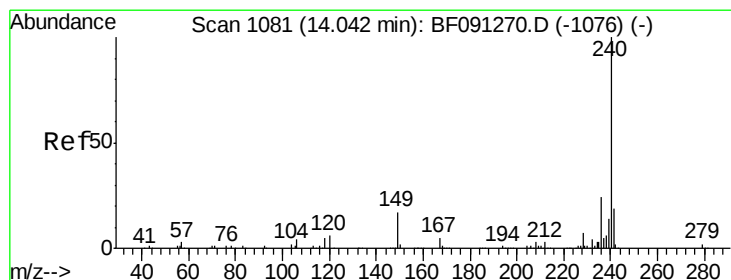
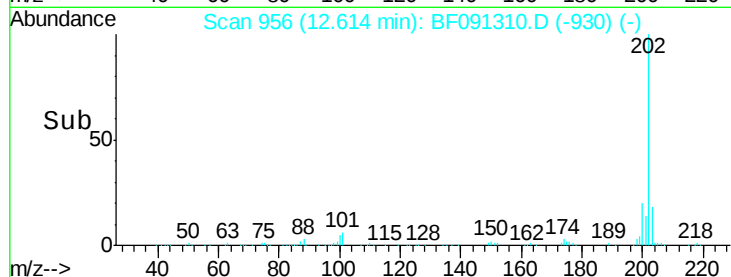
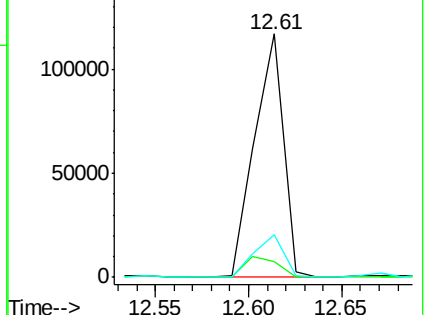
203 17.6 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 40.00 ng

RT: 14.04 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

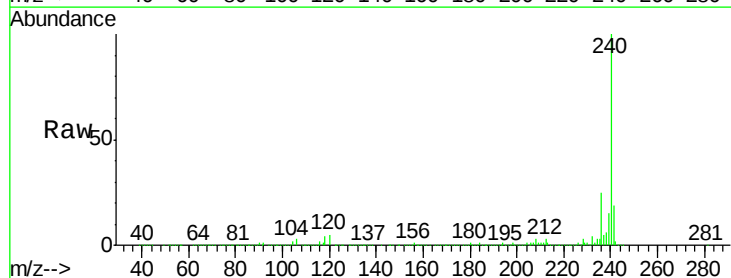
Tgt Ion:240 Resp: 820317

Ion Ratio Lower Upper

240 100

120 5.2 12.1 18.1#

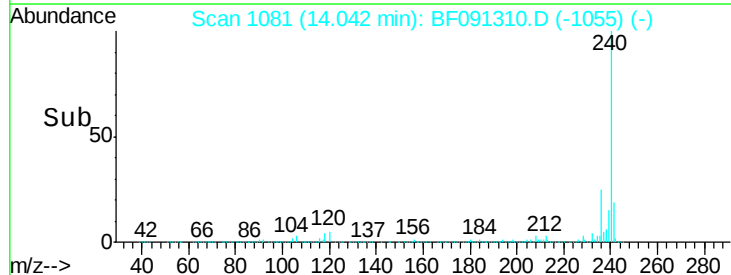
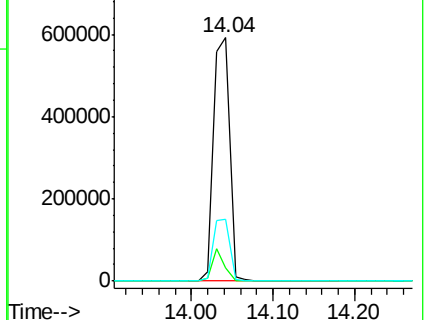
236 25.4 21.0 31.6

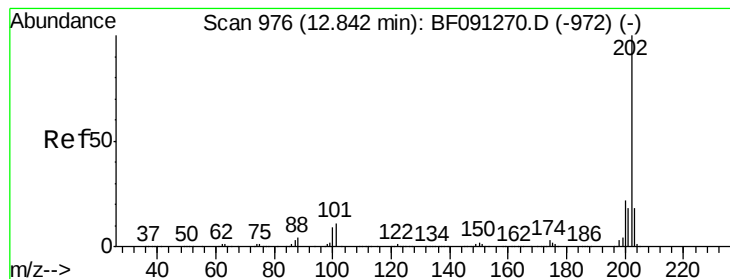


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.08 ng

RT: 12.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

Instrument :

BNA_F

ClientSampleId :

WASTE-3

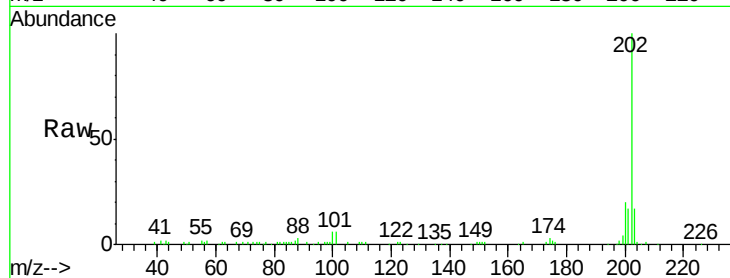
Tot Ion:202 Resp: 123774

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

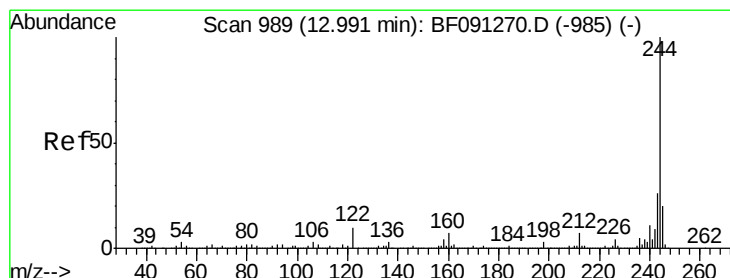
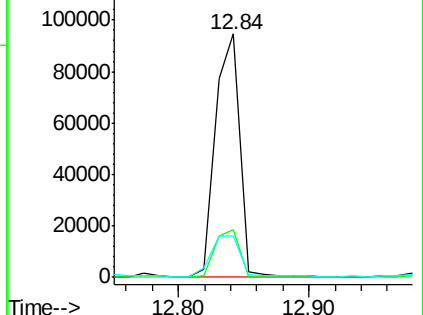
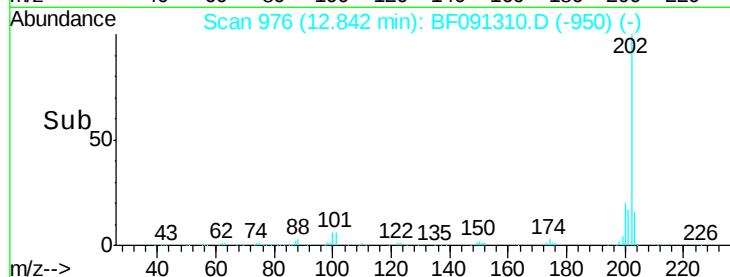
203 16.9 14.0 21.0



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: 77.83 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

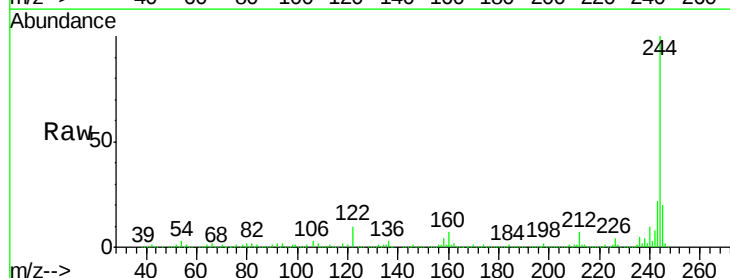
Tgt Ion:244 Resp: 1397692

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

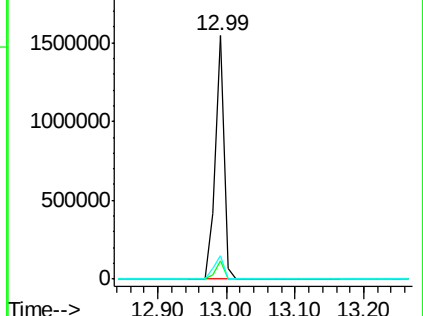
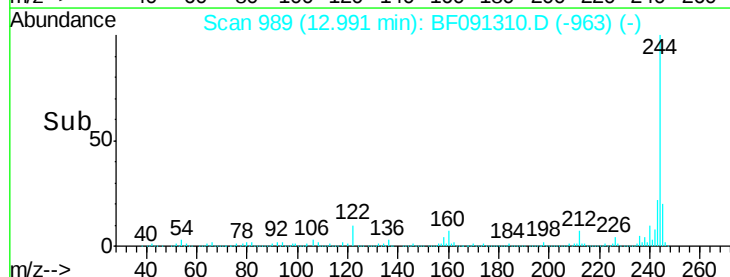
122 9.7 9.5 14.3

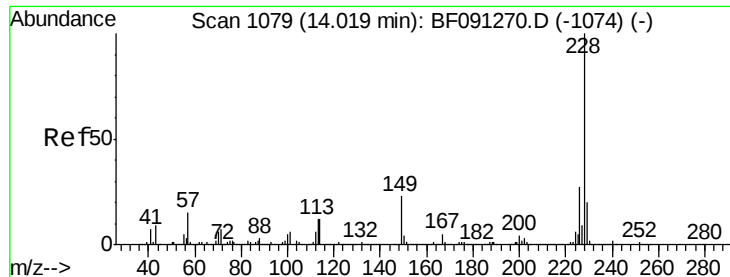


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.95 ng

RT: 14.02 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

Instrument :

BNA_F

ClientSampleId :

WASTE-3

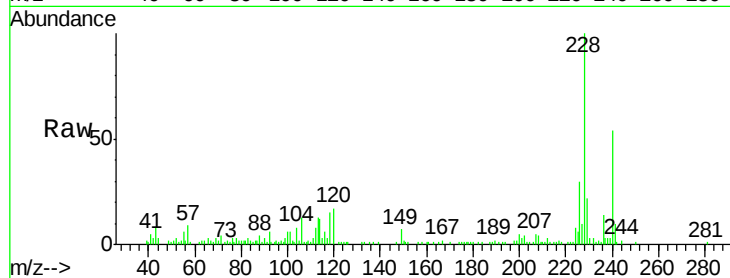
Tot Ion:228 Resp: 68687

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.5	33.7
229	21.5	16.4	24.6

228 100

226 30.3 22.5 33.7

229 21.5 16.4 24.6

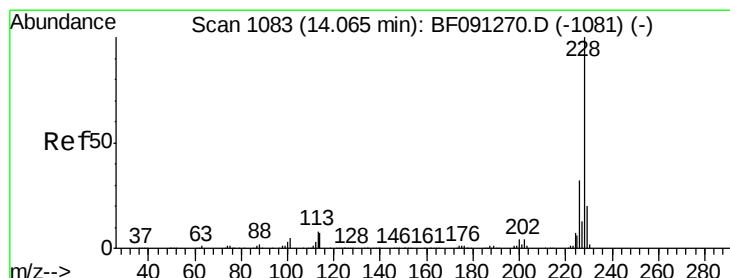
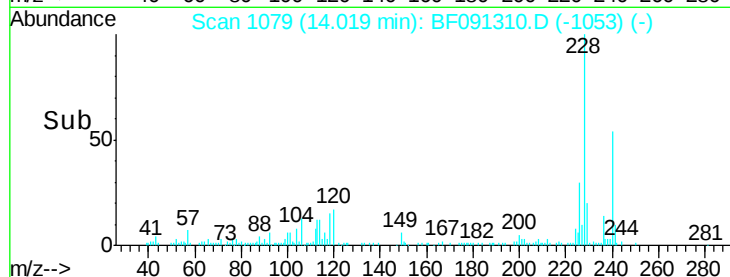
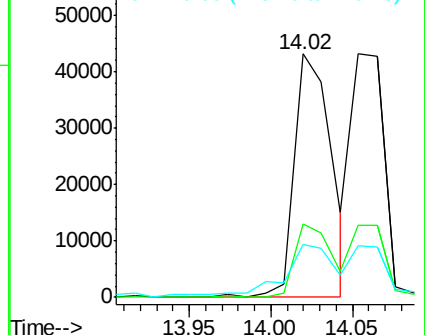


Abundance

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



#82

Chrysene

Concen: 2.77 ng

RT: 14.05 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF091310.D

Acq: 24 Nov 2016 12:12

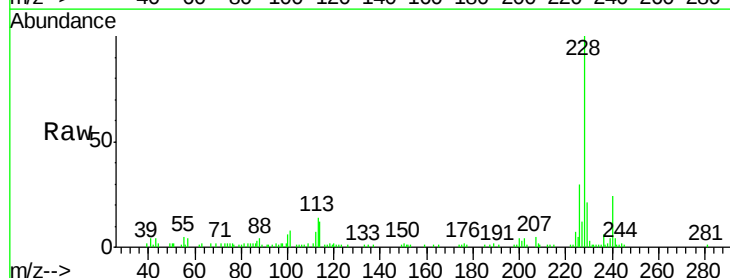
Tgt Ion:228 Resp: 61003

Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.4
229	21.2	16.0	24.0

228 100

226 29.6 25.0 37.4

229 21.2 16.0 24.0

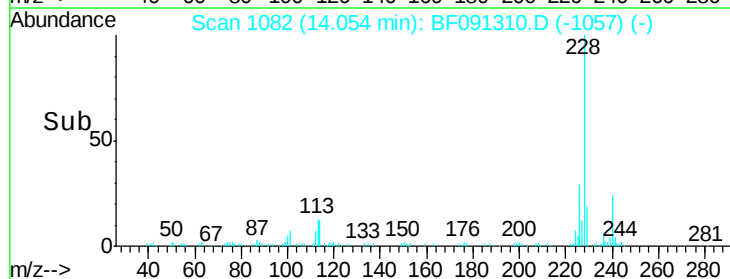
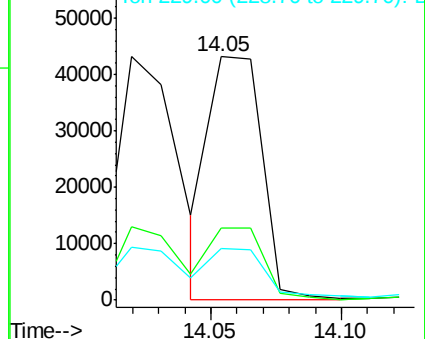


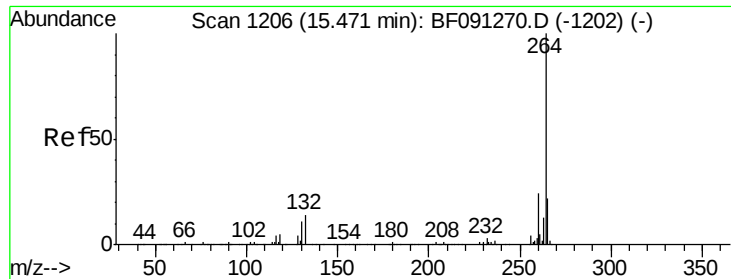
Abundance

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

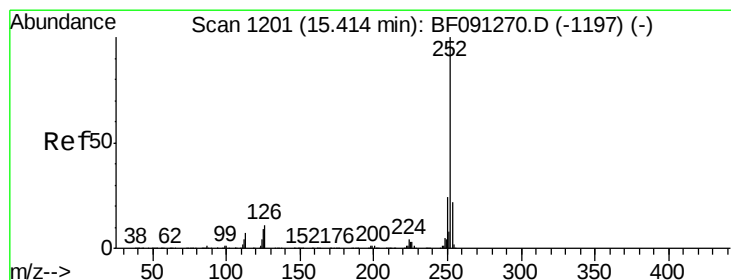
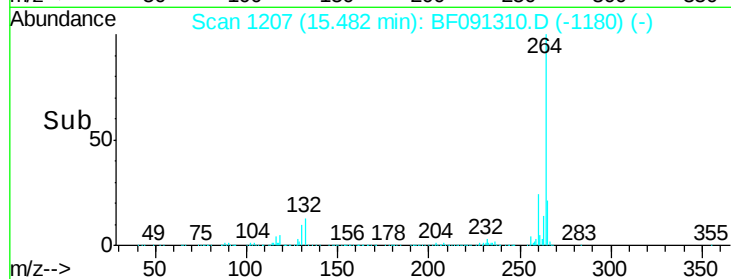
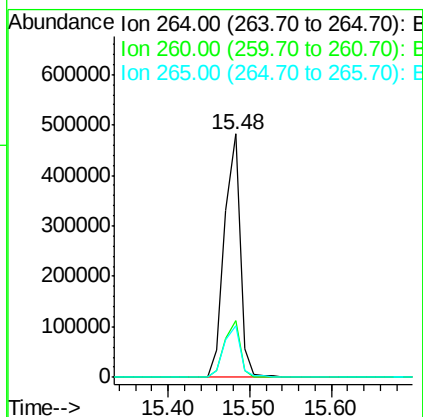
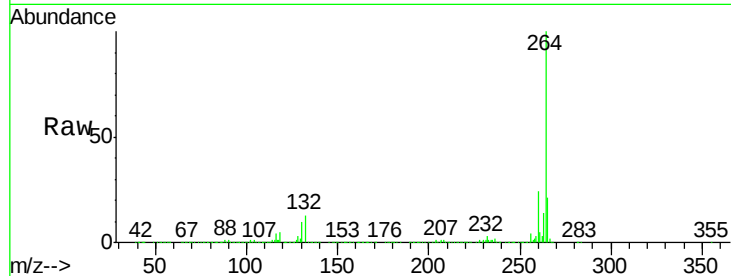




#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.48 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BF091310.D
Acq: 24 Nov 2016 12:12

Instrument :
BNA_F
ClientSampleId :
WASTE-3

Tot Ion:264 Resp: 645632
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 21.2 17.0 25.6



#89
Benzo(a)pyrene
Concen: 2.27 ng
RT: 15.36 min Scan# 1196
Delta R.T. -0.06 min
Lab File: BF091310.D
Acq: 24 Nov 2016 12:12

Tgt Ion:252 Resp: 39365
Ion Ratio Lower Upper
252 100
253 26.9 18.2 27.4
125 10.8 10.4 15.6

