

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
 Data File : BF100639.D
 Acq On : 16 Nov 2017 19:08
 Operator : SJ/JU
 Sample : I6408-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CHARACTERIZATION

Quant Time: Nov 16 19:41:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 16 17:27:23 2017
 Response via : Initial Calibration

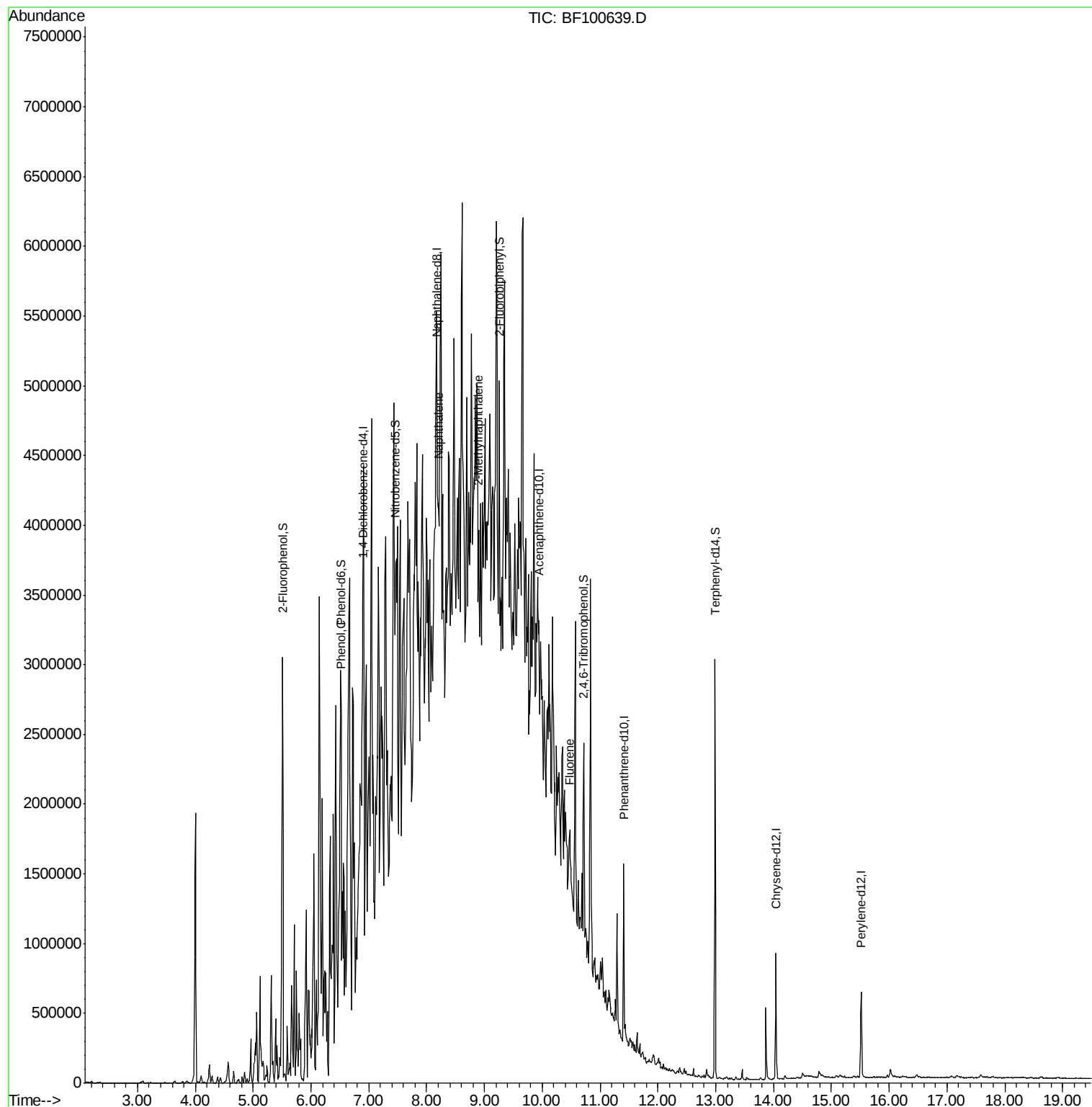
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	108231	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	316622	20.00	ng	0.01
38) Acenaphthene-d10	9.94	164	184736	20.00	ng	0.02
63) Phenanthrene-d10	11.41	188	435257	20.00	ng	0.00
75) Chrysene-d12	14.04	240	290703	20.00	ng	0.00
86) Perylene-d12	15.52	264	287067	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	997242	147.70	ng	0.01
7) Phenol-d6	6.52	99	1205926	144.84	ng	0.00
23) Nitrobenzene-d5	7.46	82	714417	149.18	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	251275	133.48	ng	0.01
44) 2-Fluorobiphenyl	9.26	172	946267	78.00	ng	0.02
78) Terphenyl-d14	12.99	244	1116298	88.23	ng	0.00
Target Compounds						
10) Phenol	6.53	94	47657	5.452	ng	98
31) Naphthalene	8.20	128	141198	9.259	ng	# 73
37) 2-Methylnaphthalene	8.90	142	262683	25.945	ng	95
57) Fluorene	10.47	166	35798	2.984	ng	# 85

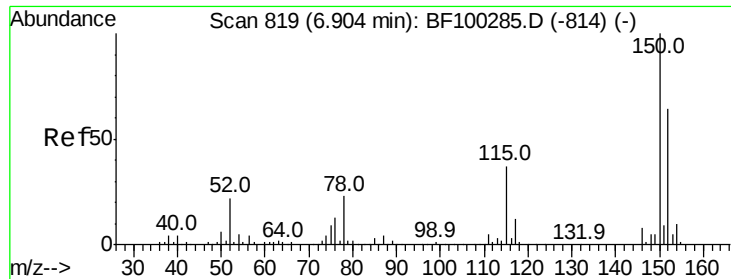
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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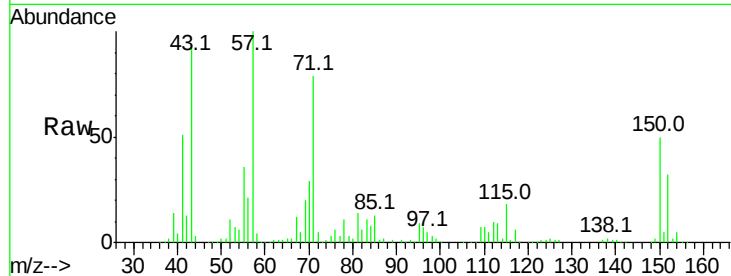


#1

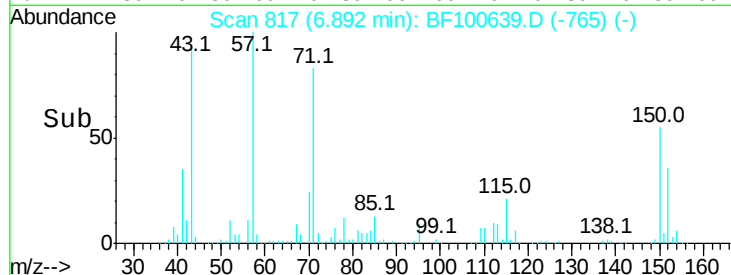
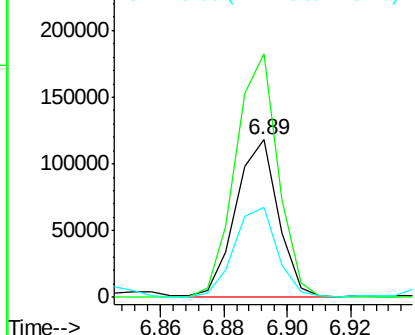
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.01 min
Lab File: BF100639.D
Acq: 16 Nov 2017 19:08

Instrument :
BNA_F
ClientSampleId :
WASTE-CHARACTERIZATION

Tot Ion:152 Resp: 108231
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 57.3 50.1 75.1



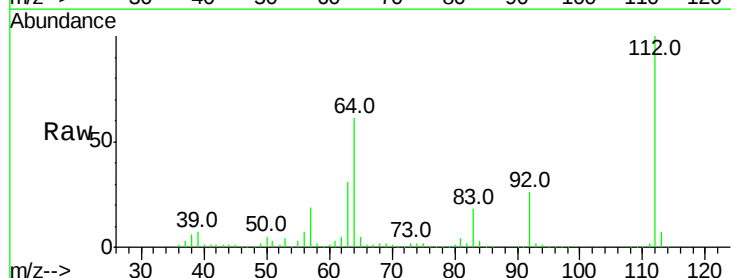
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



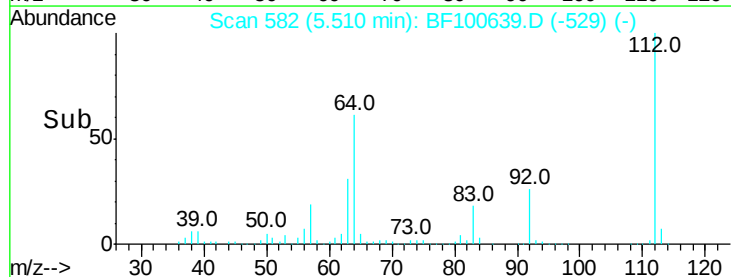
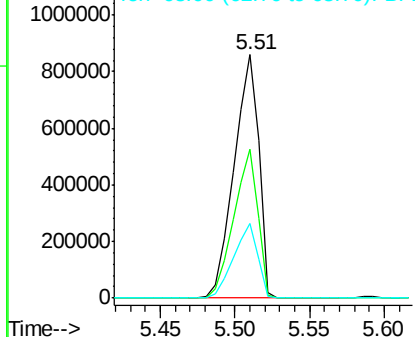
#5

2-Fluorophenol
Concen: 147.699 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF100639.D
Acq: 16 Nov 2017 19:08

Tgt Ion:112 Resp: 997242
Ion Ratio Lower Upper
112 100
64 61.0 47.9 71.9
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 144.840 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF100639.D

Acq: 16 Nov 2017 19:08

Instrument :

BNA_F

ClientSampleId :

WASTE-CHARACTERIZATION

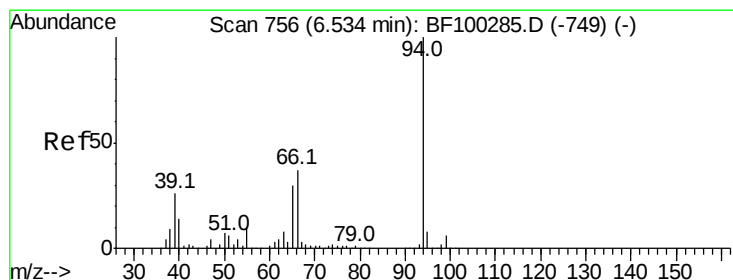
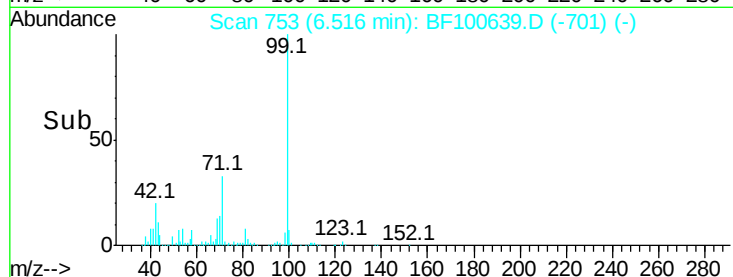
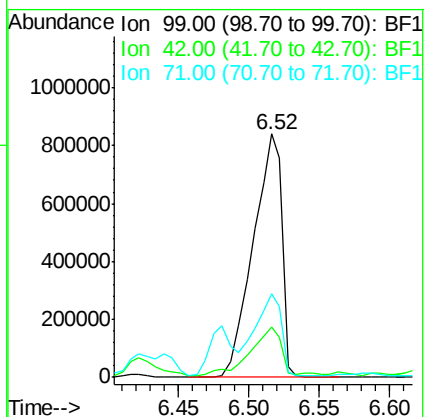
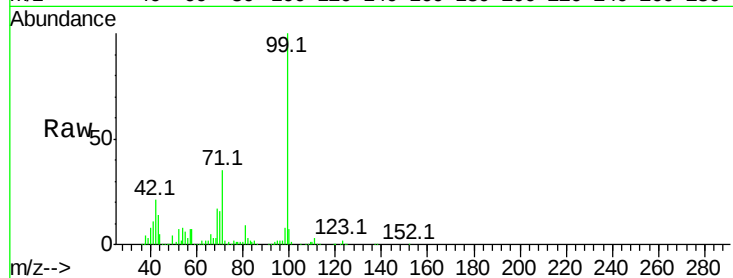
Tot Ion: 99 Resp: 1205926

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 34.6 25.4 38.0



#10

Phenol

Concen: 5.452 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF100639.D

Acq: 16 Nov 2017 19:08

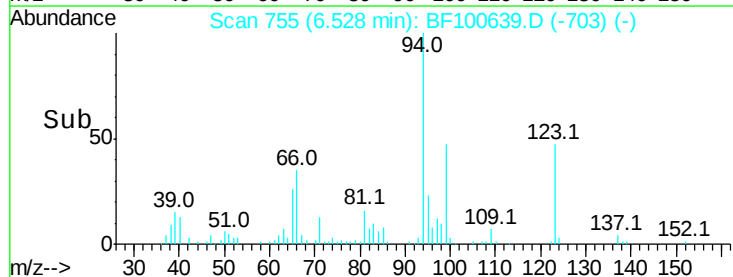
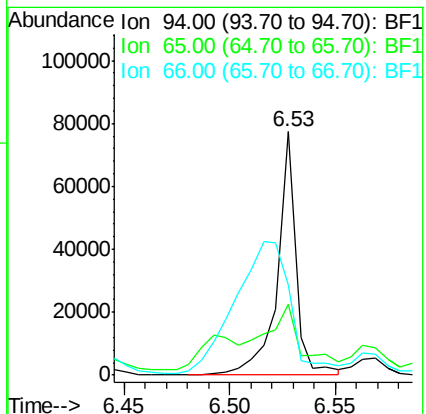
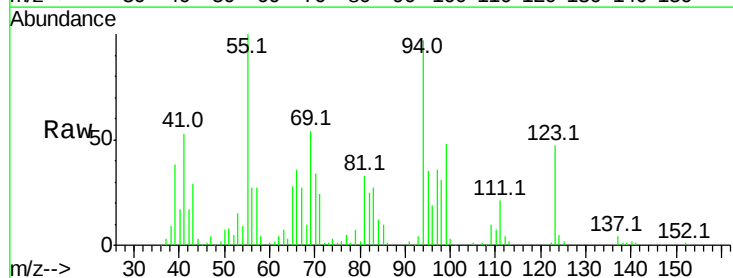
Tgt Ion: 94 Resp: 47657

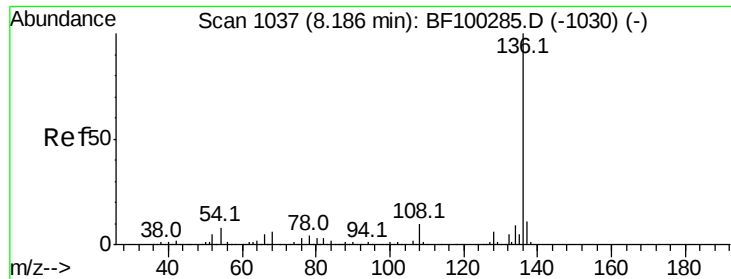
Ion Ratio Lower Upper

94 100

65 29.2 7.9 47.9

66 36.9 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.01 min

Lab File: BF100639.D

Acq: 16 Nov 2017 19:08

Instrument :

BNA_F

ClientSampleId :

WASTE-CHARACTERIZATION

Tot Ion:136 Resp: 316622

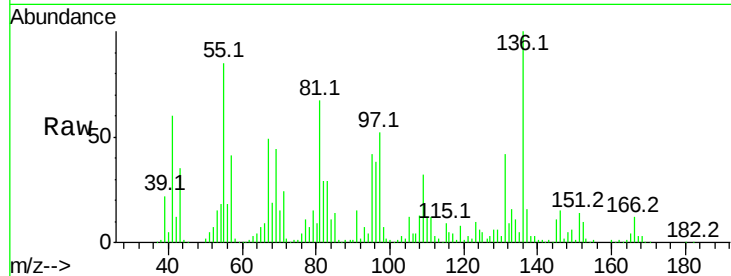
Ion Ratio Lower Upper

136 100

137 16.2 8.9 13.3#

54 17.8 6.6 9.8#

68 19.5 5.0 7.4#

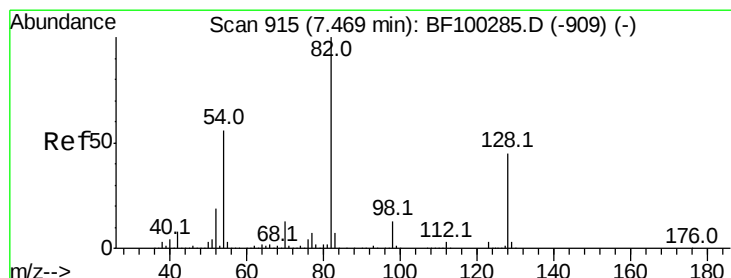
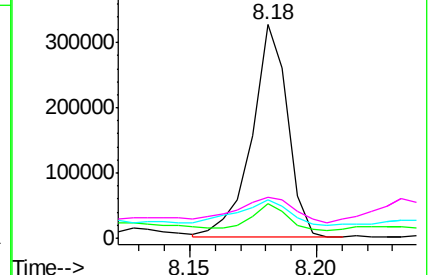
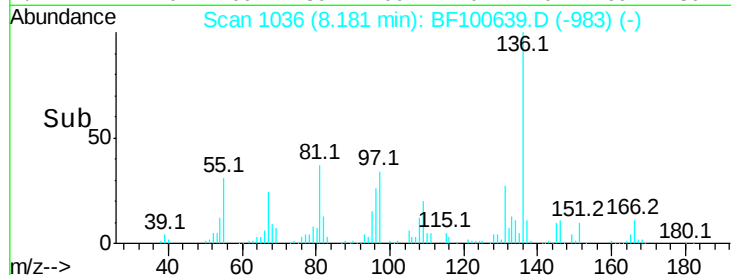


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 149.176 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.01 min

Lab File: BF100639.D

Acq: 16 Nov 2017 19:08

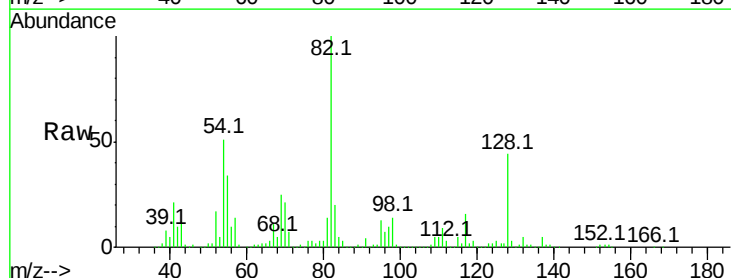
Tgt Ion: 82 Resp: 714417

Ion Ratio Lower Upper

82 100

128 43.6 36.1 54.1

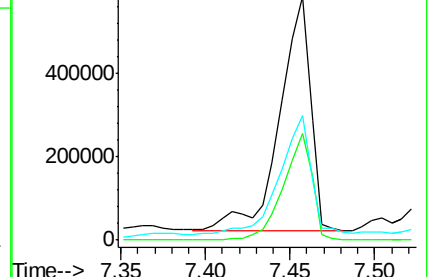
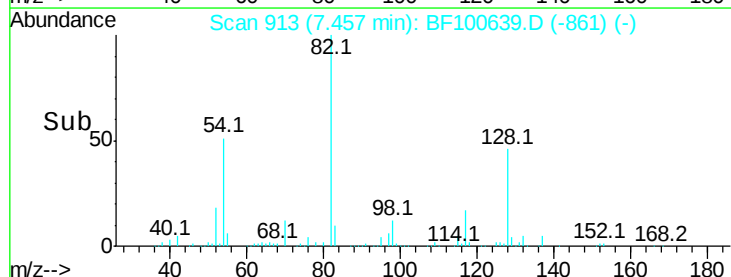
54 51.2 41.4 62.2

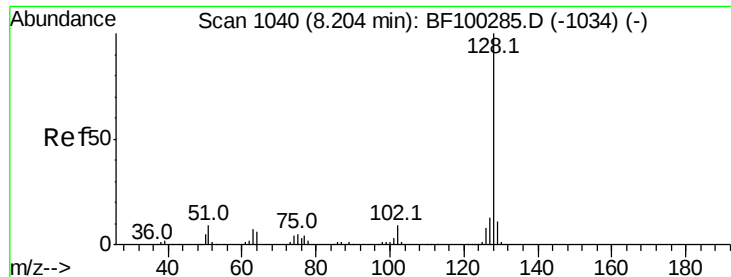


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 9.259 ng

RT: 8.20 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF100639.D

Acq: 16 Nov 2017 19:08

Instrument :

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WASTE-CHARACTERIZATION

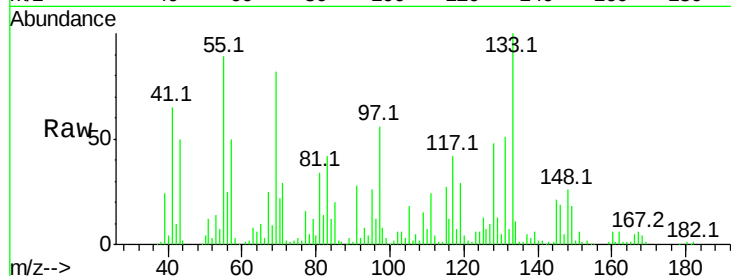
Tot Ion:128 Resp: 141198

Ion Ratio Lower Upper

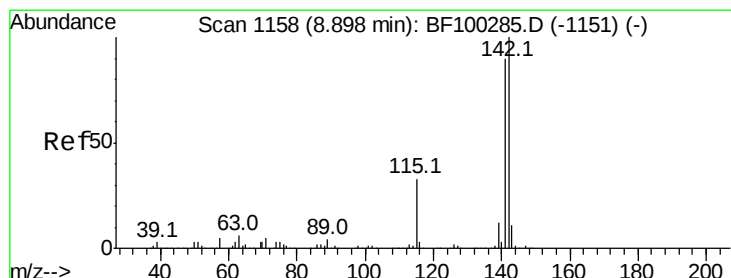
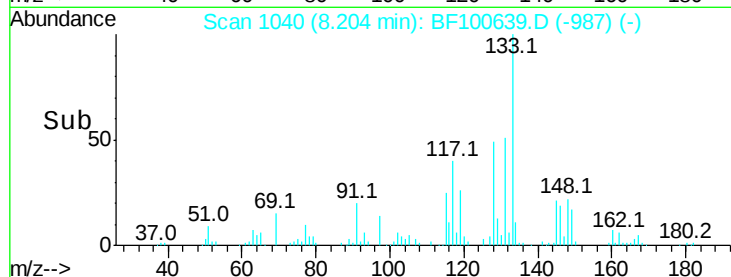
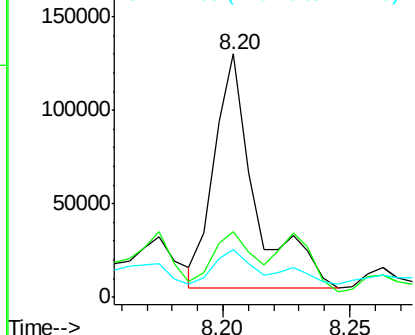
128 100

129 27.0 8.8 13.2#

127 19.8 10.9 16.3#



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



#37

2-Methylnaphthalene

Concen: 25.945 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.02 min

Lab File: BF100639.D

Acq: 16 Nov 2017 19:08

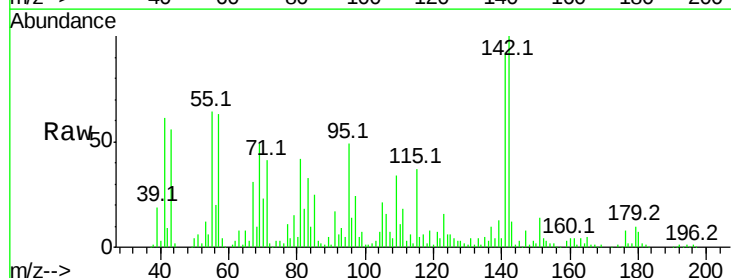
Tgt Ion:142 Resp: 262683

Ion Ratio Lower Upper

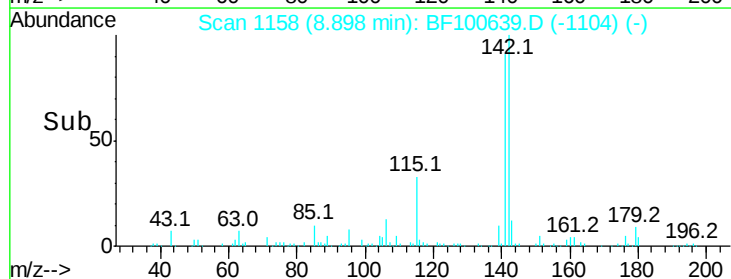
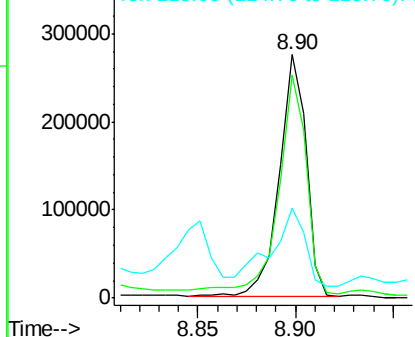
142 100

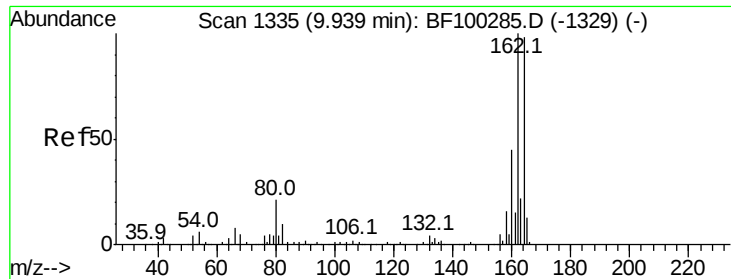
141 91.7 70.8 106.2

115 36.9 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.02 min

Lab File: BF100639.D

Acq: 16 Nov 2017 19:08

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WASTE-CHARACTERIZATION

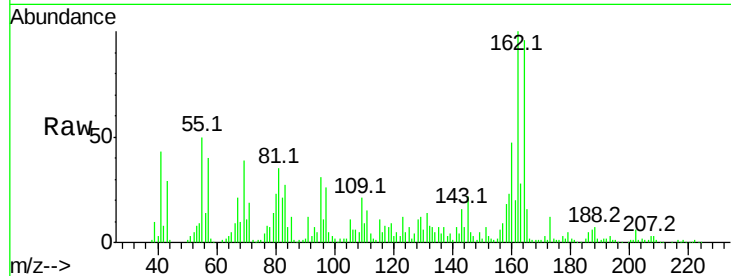
Tot Ion:164 Resp: 184736

Ion Ratio Lower Upper

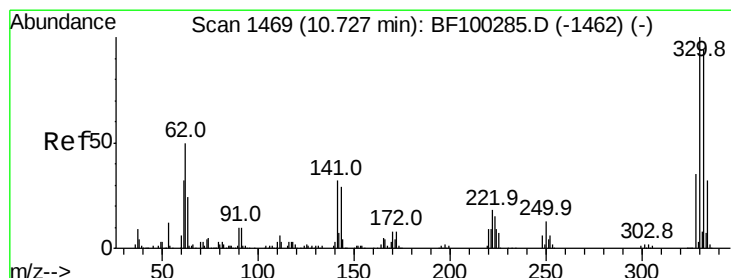
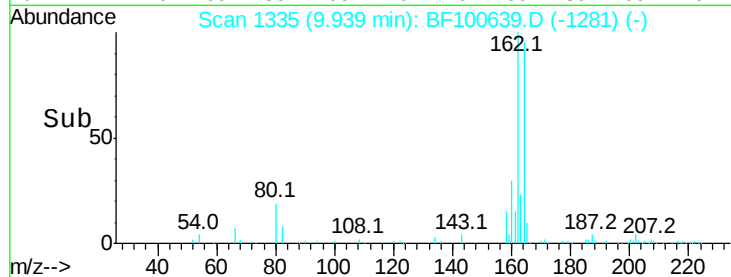
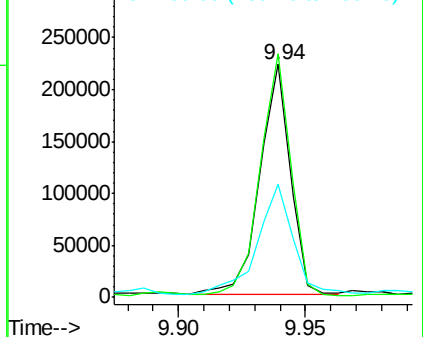
164 100

162 104.4 86.1 129.1

160 48.6 38.3 57.5



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: 133.482 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.01 min

Lab File: BF100639.D

Acq: 16 Nov 2017 19:08

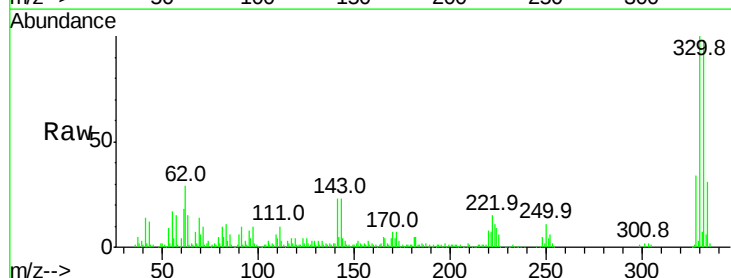
Tgt Ion:330 Resp: 251275

Ion Ratio Lower Upper

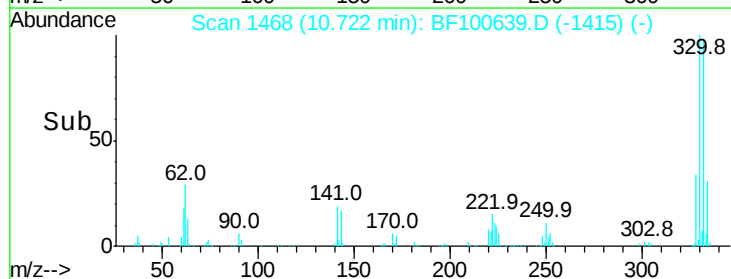
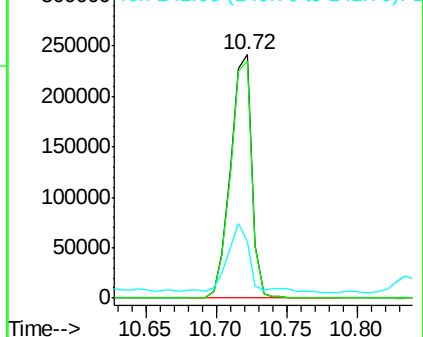
330 100

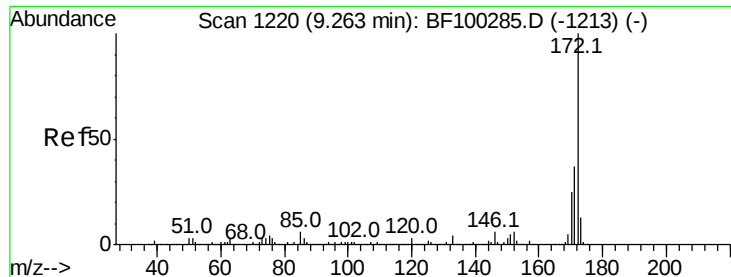
332 97.9 77.0 115.6

141 29.8 29.9 44.9#



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

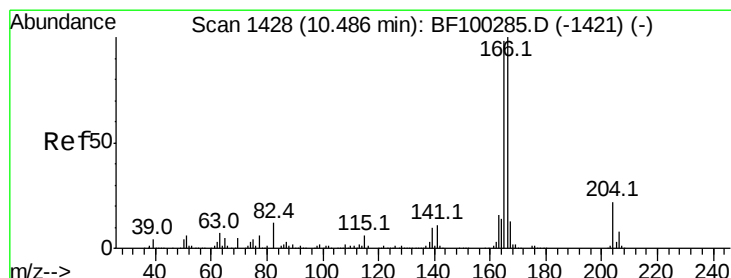
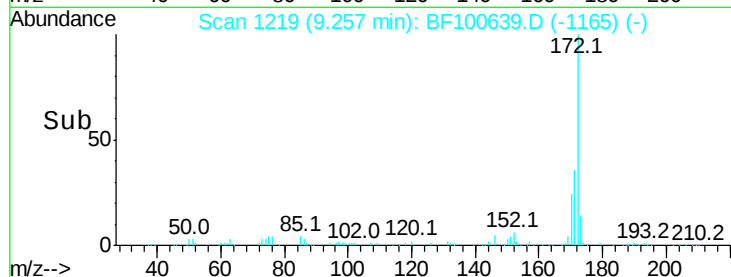
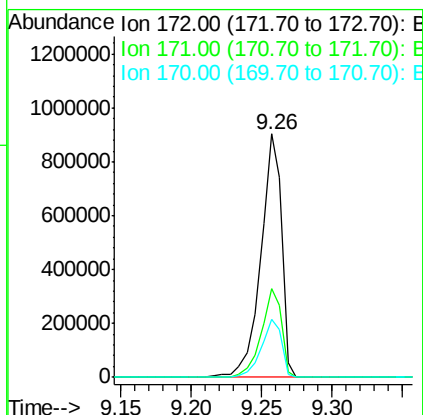
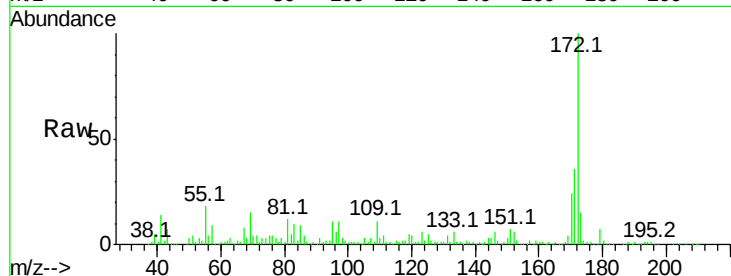




#44
2-Fluorobiphenyl
Concen: 77.997 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.02 min
Lab File: BF100639.D
Acq: 16 Nov 2017 19:08

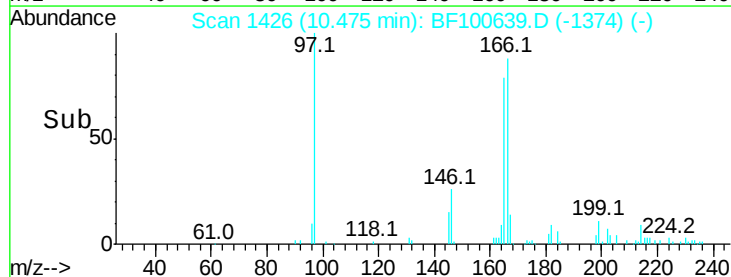
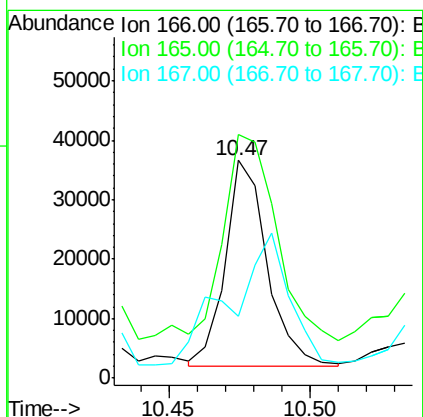
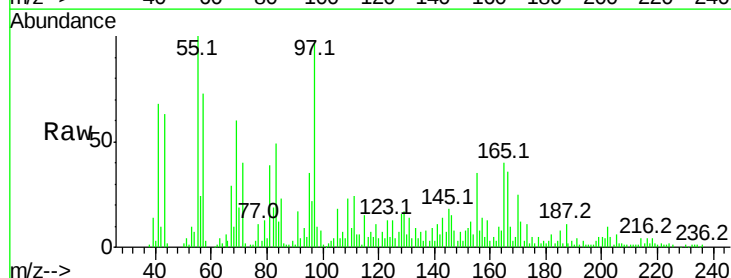
Instrument :
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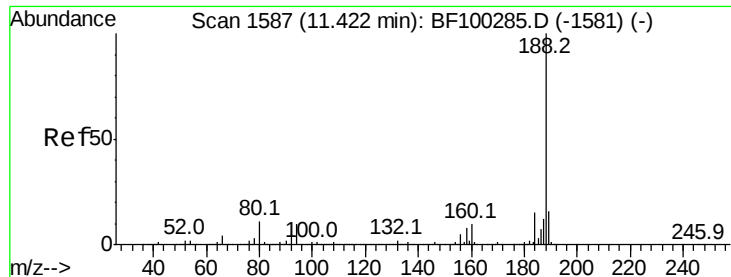
Tot Ion:172 Resp: 946267
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.8 19.6 29.4



#57
Fluorene
Concen: 2.984 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF100639.D
Acq: 16 Nov 2017 19:08

Tgt Ion:166 Resp: 35798
Ion Ratio Lower Upper
166 100
165 111.9 79.8 119.8
167 28.4 10.6 16.0#

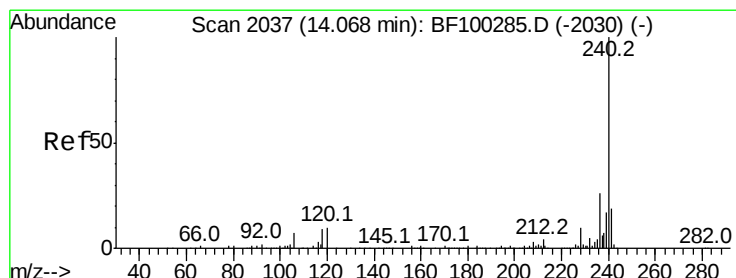
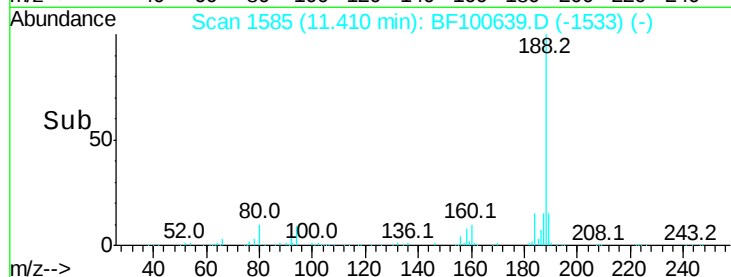
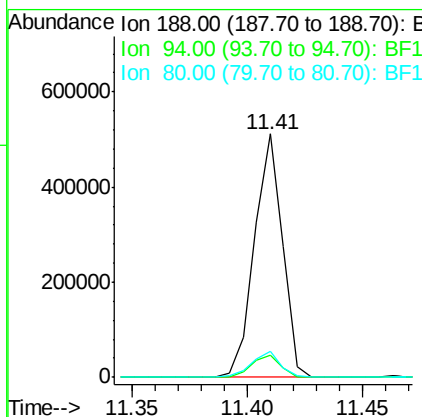
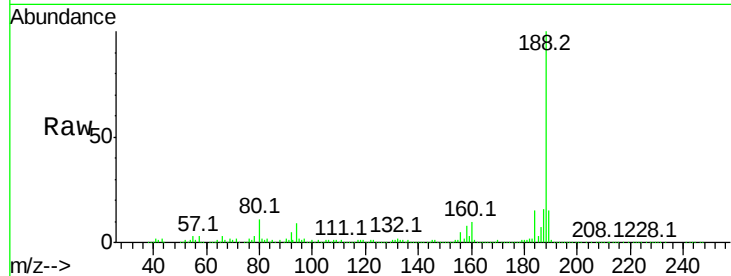




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF100639.D
Acq: 16 Nov 2017 19:08

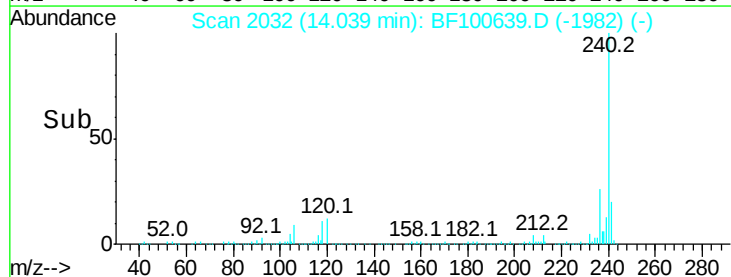
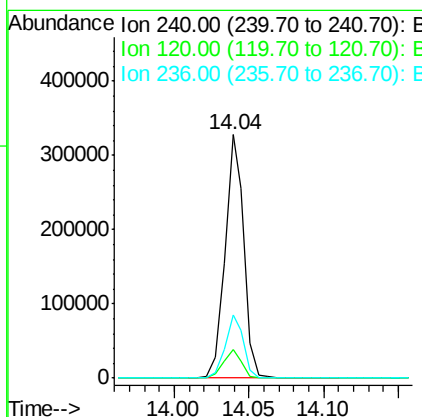
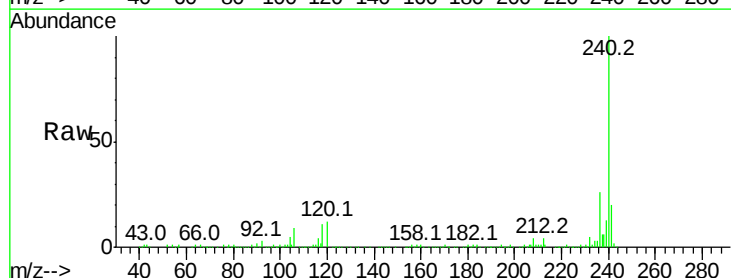
Instrument :
BNA_F
ClientSampleId :
WASTE-CHARACTERIZATION

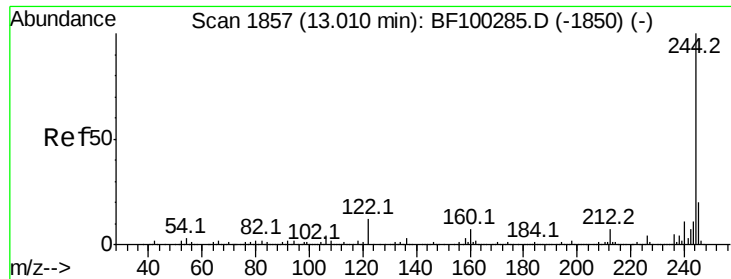
Tot Ion:188 Resp: 435257
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.6 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100639.D
Acq: 16 Nov 2017 19:08

Tgt Ion:240 Resp: 290703
Ion Ratio Lower Upper
240 100
120 11.9 9.5 14.3
236 25.9 20.7 31.1

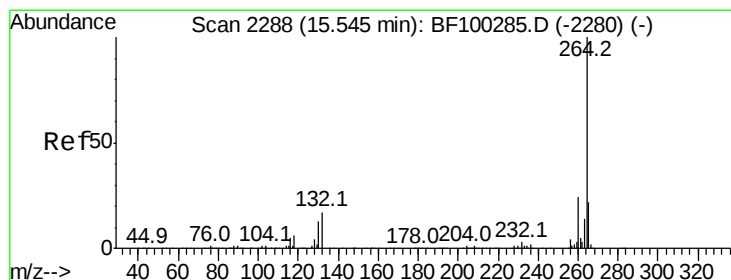
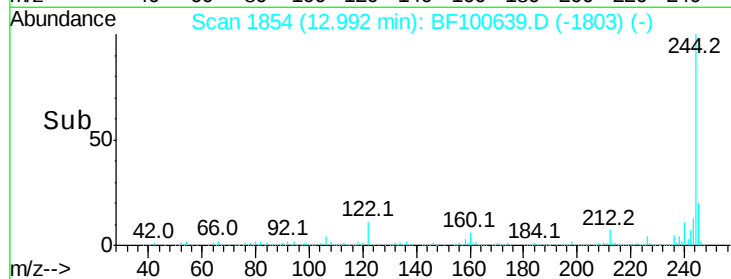
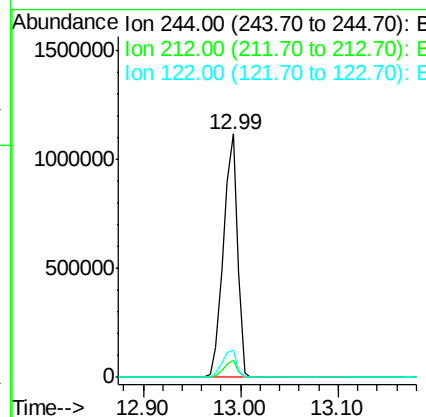
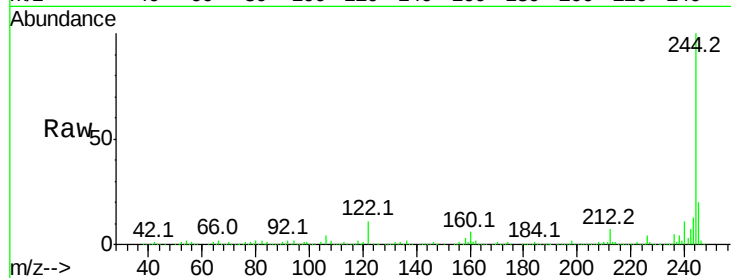




#78
 Terphenyl-d14
 Concen: 88.232 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: BF100639.D
 Acq: 16 Nov 2017 19:08

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CHARACTERIZATION

Tot Ion:244 Resp: 1116298
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: BF100639.D
 Acq: 16 Nov 2017 19:08

Tgt Ion:264 Resp: 287067
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.2 17.5 26.3

