

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102115\
 Data File : BF082412.D
 Acq On : 21 Oct 2015 19:01
 Operator : UM/IZ
 Sample : G4097-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MC-MASTER-WALL-SOIL-WEST

Quant Time: Oct 22 10:21:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 13:20:24 2015
 Response via : Initial Calibration

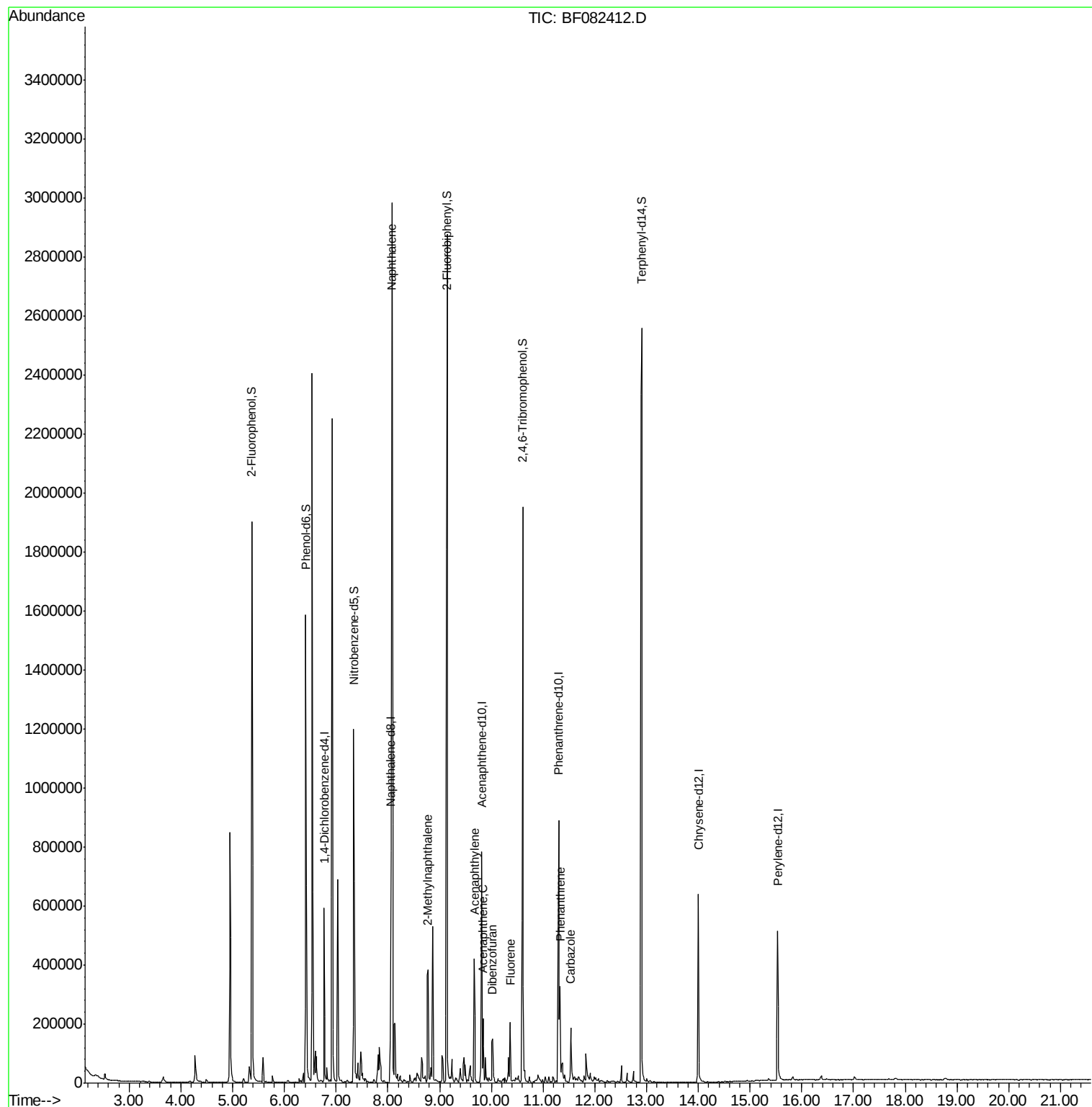
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	106222	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	408792	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	215698	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	429394	20.00	ng	0.00
75) Chrysene-d12	14.00	240	373129	20.00	ng	-0.01
86) Perylene-d12	15.53	264	260309	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	598764	113.77	ng	0.01
7) Phenol-d6	6.41	99	700118	102.22	ng	-0.01
23) Nitrobenzene-d5	7.34	82	541516	88.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	214304	105.94	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1224480	94.14	ng	0.00
78) Terphenyl-d14	12.90	244	1264721	89.82	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.08	128	1554625	87.73	ng	98
37) 2-Methylnaphthalene	8.78	142	169416	13.79	ng	99
48) Acenaphthylene	9.67	152	220106	10.91	ng	99
51) Acenaphthene	9.84	154	59797	4.94	ng	100
54) Dibenzofuran	10.02	168	97303	5.85	ng	91
57) Fluorene	10.37	166	95284	6.98	ng	99
70) Phenanthrene	11.33	178	151329	7.19	ng	97
72) Carbazole	11.53	167	128452	6.49	ng	99

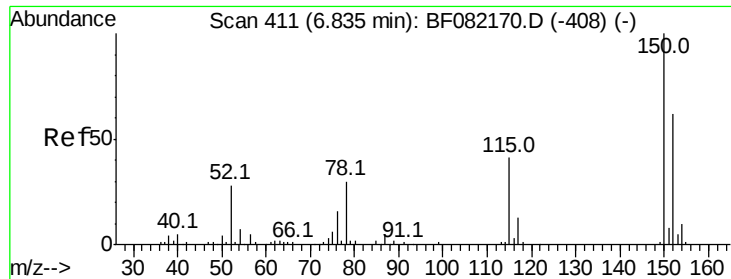
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Instrument :

BNA_F

ClientSampleId :

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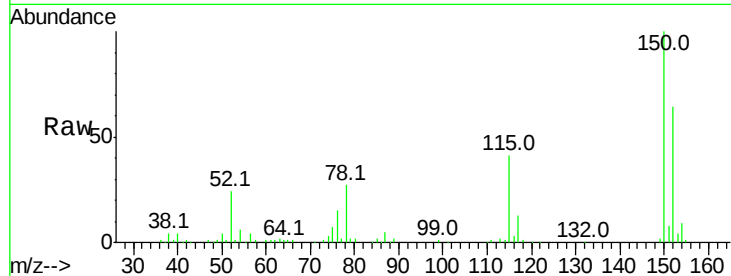
Tot Ion:152 Resp: 106222

Ion Ratio Lower Upper

152 100

150 157.0 129.0 193.4

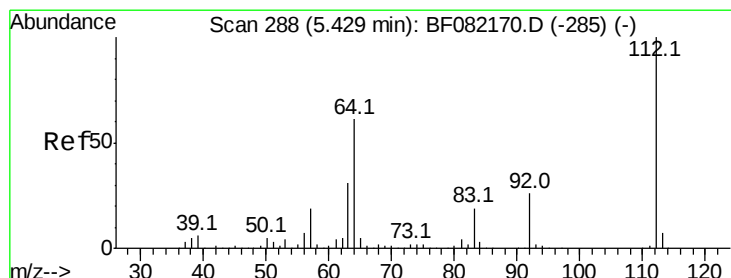
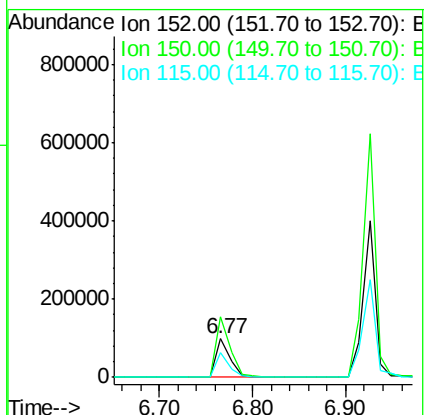
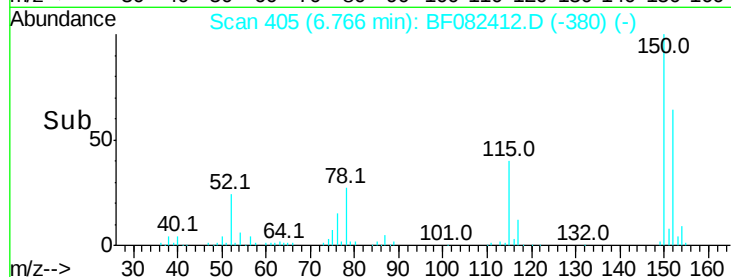
115 63.9 52.1 78.1



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: 113.77 ng

RT: 5.37 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

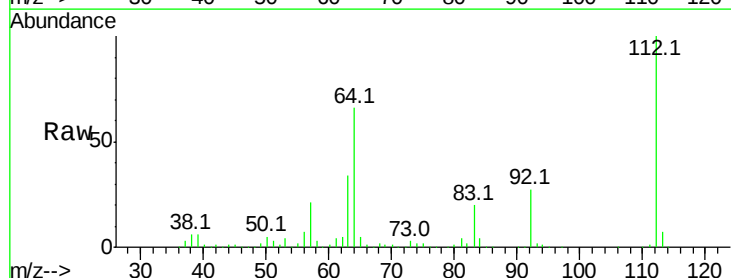
Tgt Ion:112 Resp: 598764

Ion Ratio Lower Upper

112 100

64 65.5 48.6 73.0

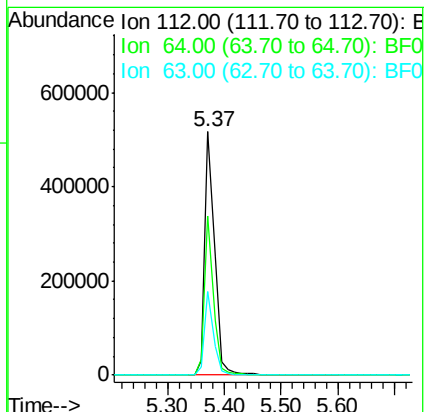
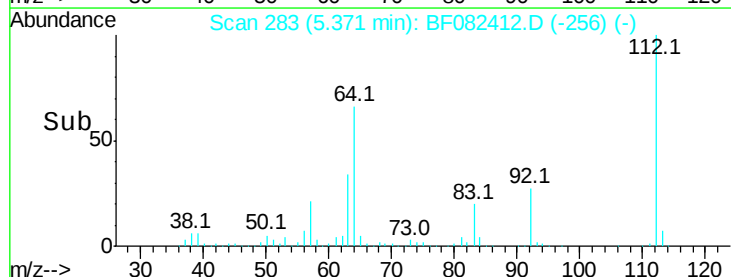
63 34.4 25.1 37.7



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: 102.22 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Instrument :

BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

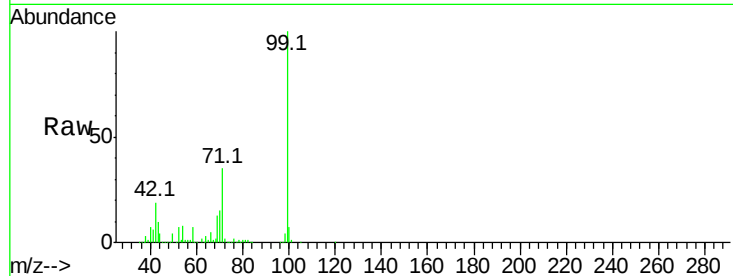
Tot Ion: 99 Resp: 700118

Ion Ratio Lower Upper

99 100

42 18.8 13.2 19.8

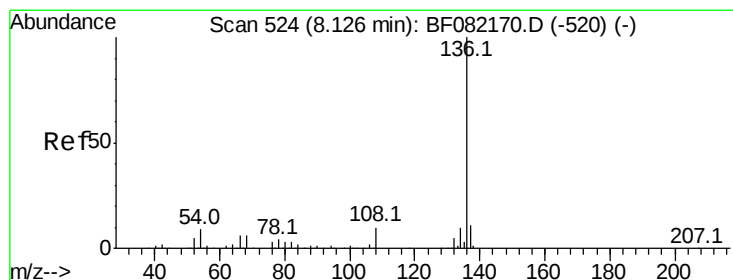
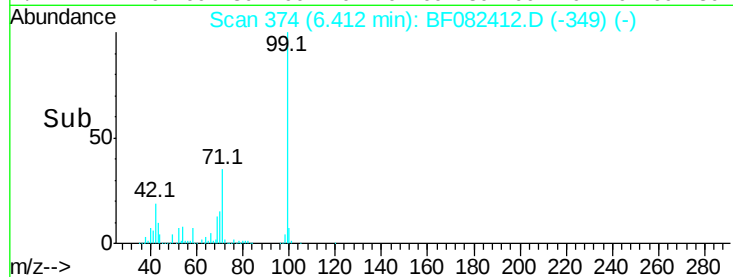
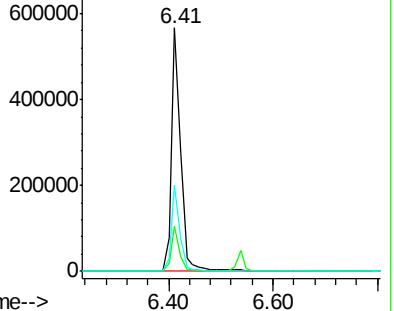
71 35.3 25.6 38.4



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: 8.06 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Tgt Ion: 136 Resp: 408792

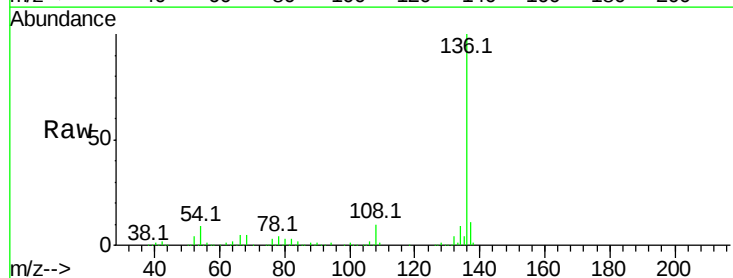
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 8.6 7.5 11.3

68 5.3 4.6 7.0

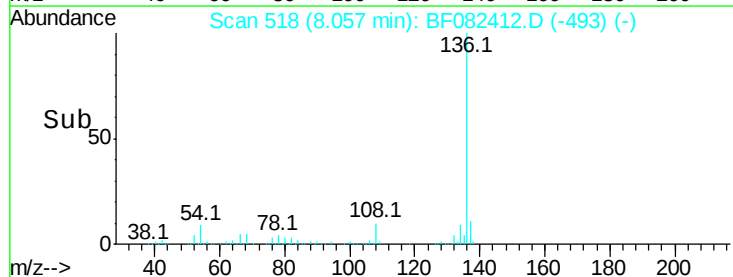
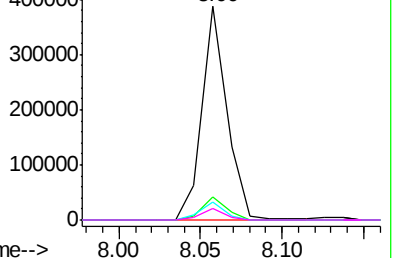


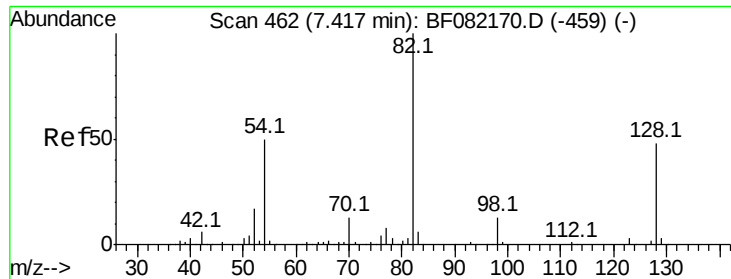
Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.96 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Instrument :

BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

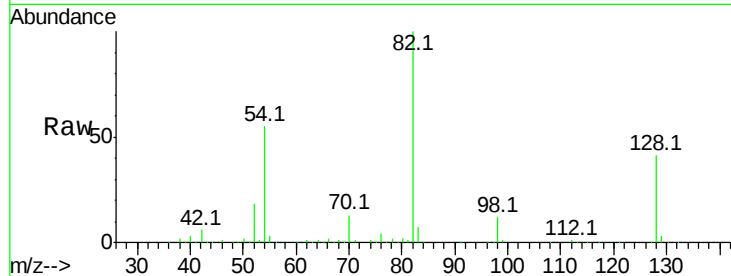
Tot Ion: 82 Resp: 541516

Ion Ratio Lower Upper

82 100

128 40.8 38.7 58.1

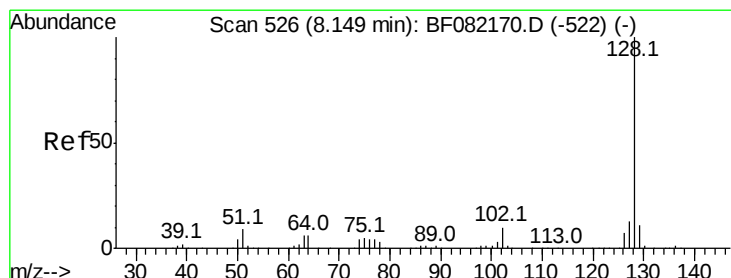
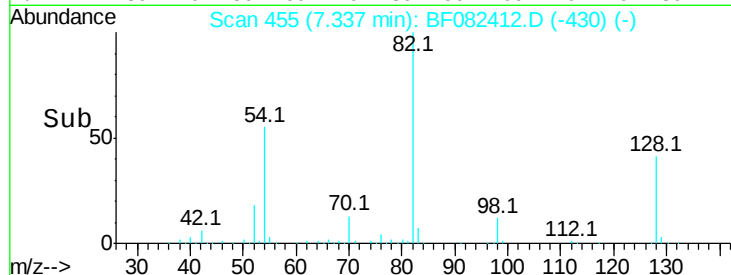
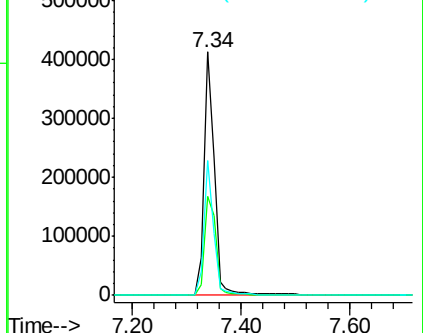
54 55.4 40.1 60.1



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: 87.73 ng

RT: 8.08 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

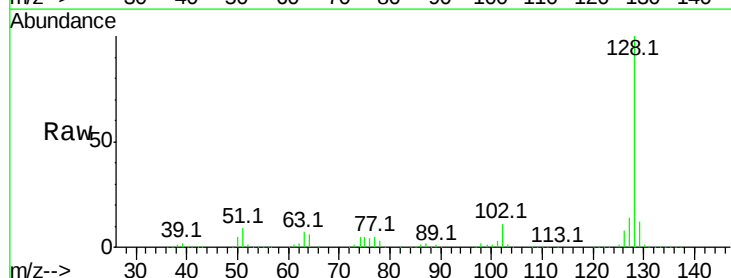
Tgt Ion:128 Resp: 1554625

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

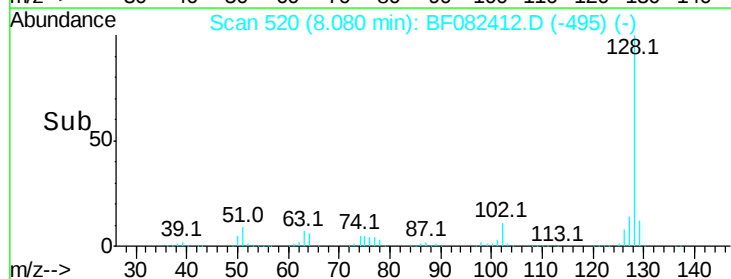
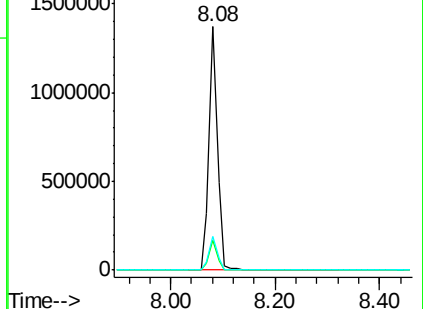
127 14.1 10.7 16.1

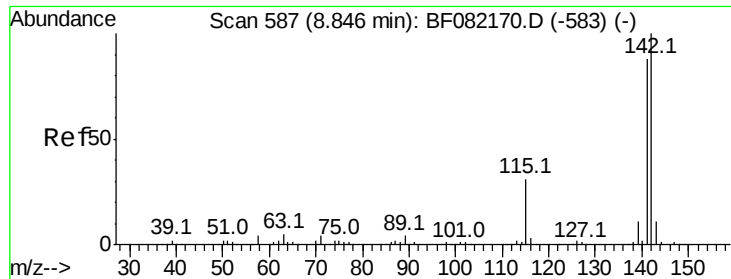


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

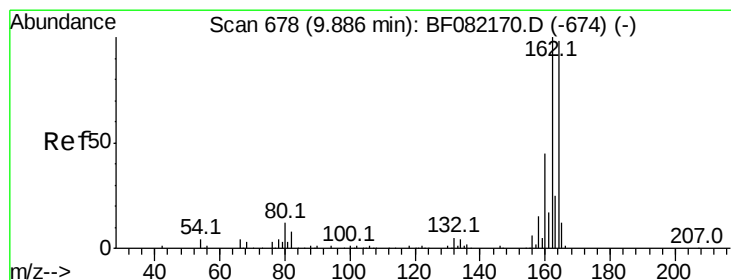
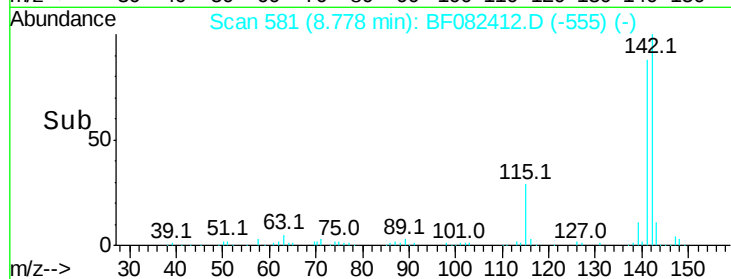
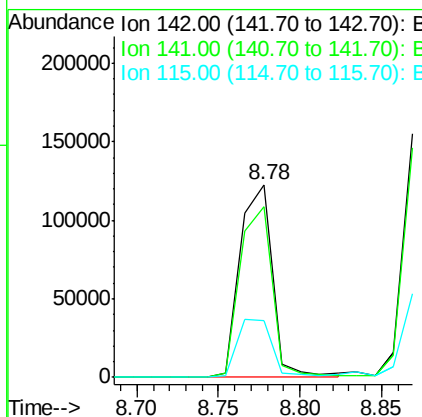
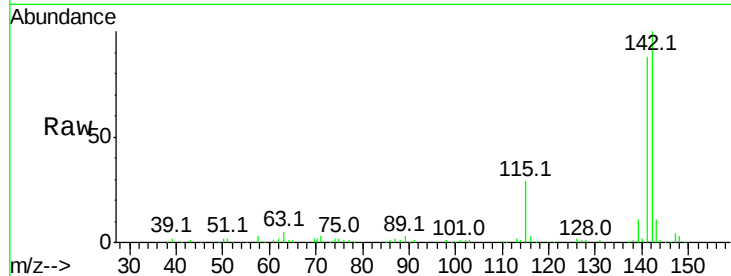




#37
2-Methylnaphthalene
Concen: 13.79 ng
RT: 8.78 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

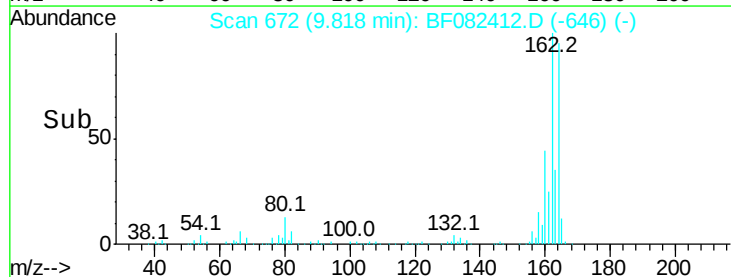
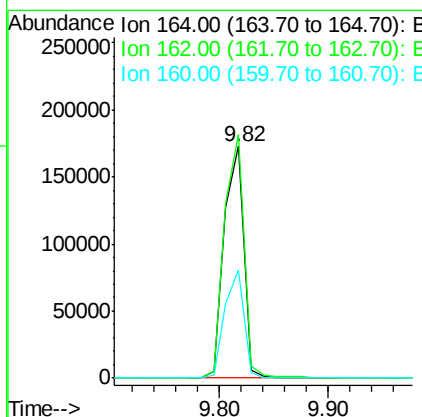
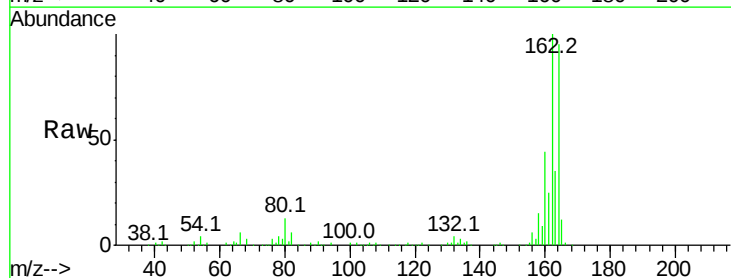
Instrument :
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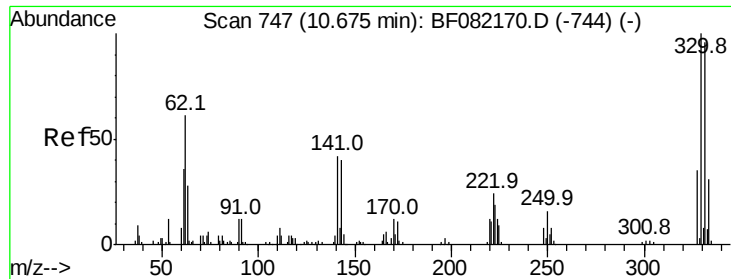
Tot Ion:142 Resp: 169416
Ion Ratio Lower Upper
142 100
141 88.3 70.4 105.6
115 29.2 24.6 37.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

Tgt Ion:164 Resp: 215698
Ion Ratio Lower Upper
164 100
162 104.9 81.6 122.4
160 46.3 36.4 54.6

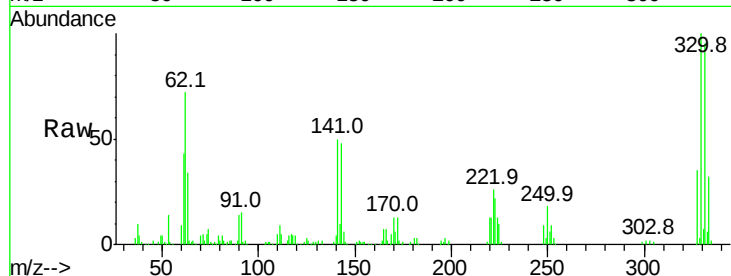




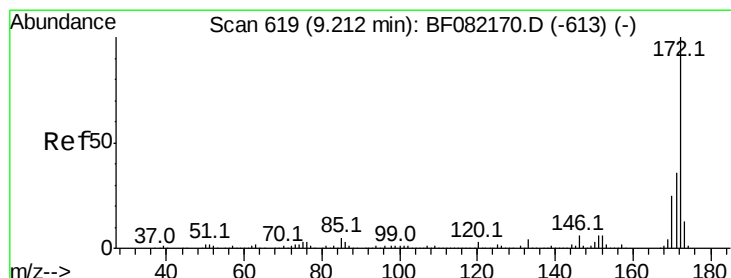
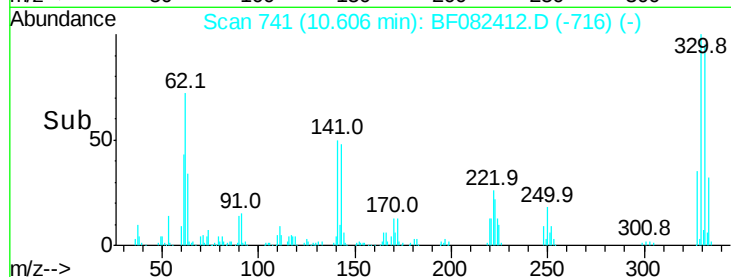
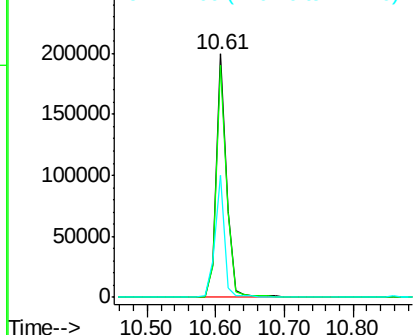
#41
 2,4,6-Tribromophenol
 Concen: 105.94 ng
 RT: 10.61 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF082412.D
 Acq: 21 Oct 2015 19:01

Instrument :
 BNA_F
 ClientSampleId :
 MC-MASTER-WALL-SOIL-WEST

Tot Ion:330 Resp: 214304
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.1 115.7
 141 46.5 29.8 44.8#

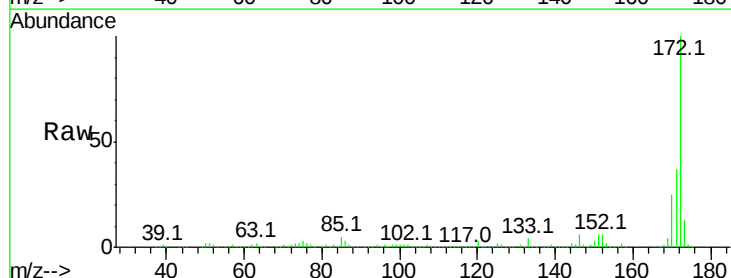


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

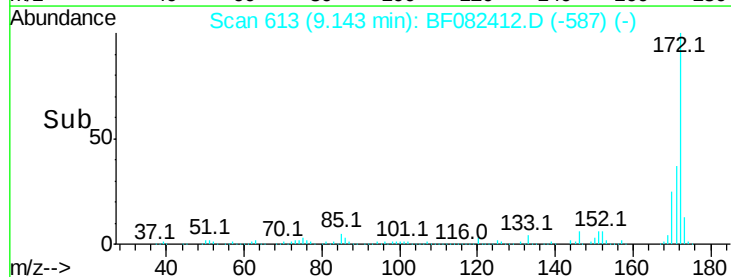
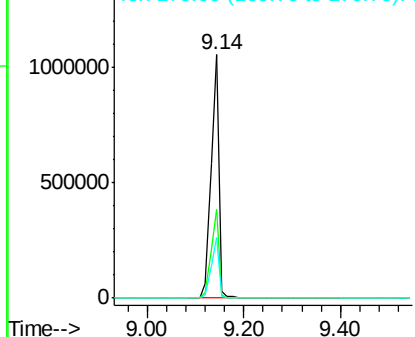


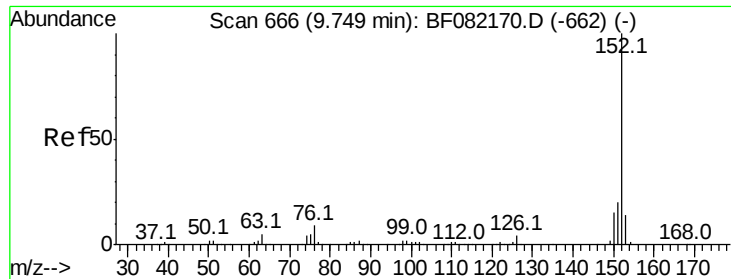
#44
 2-Fluorobiphenyl
 Concen: 94.14 ng
 RT: 9.14 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF082412.D
 Acq: 21 Oct 2015 19:01

Tgt Ion:172 Resp: 1224480
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.6 42.8
 170 24.6 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





#48

Acenaphthylene

Concen: 10.91 ng

RT: 9.67 min Scan# 659

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Instrument :

BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

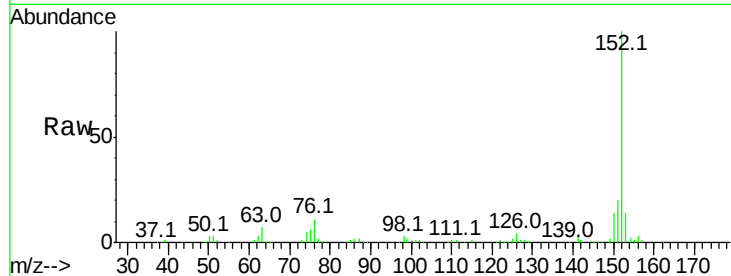
Tot Ion:152 Resp: 220106

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

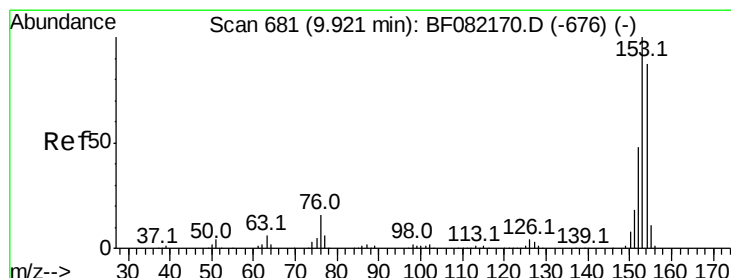
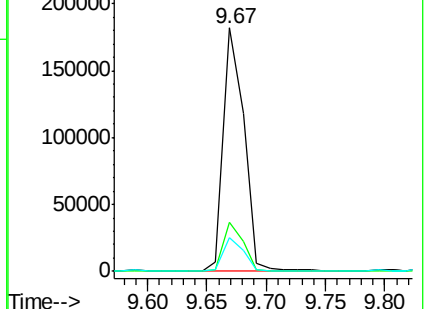
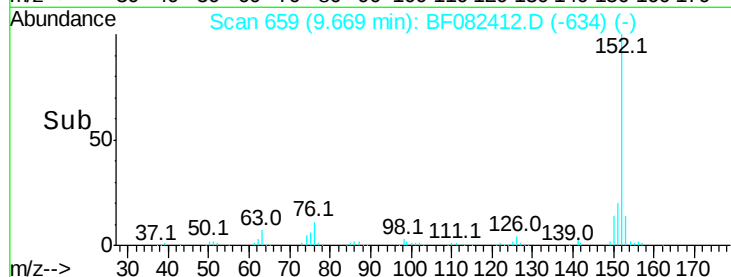
153 14.0 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 4.94 ng

RT: 9.84 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

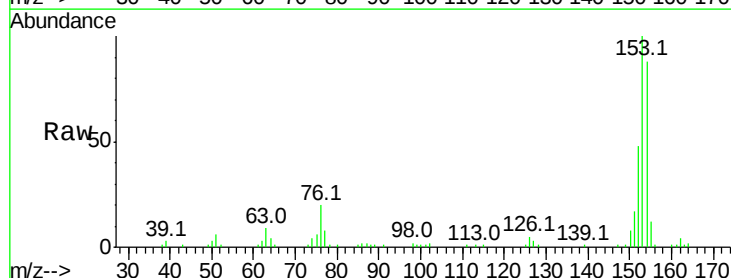
Tgt Ion:154 Resp: 59797

Ion Ratio Lower Upper

154 100

153 114.2 91.4 137.2

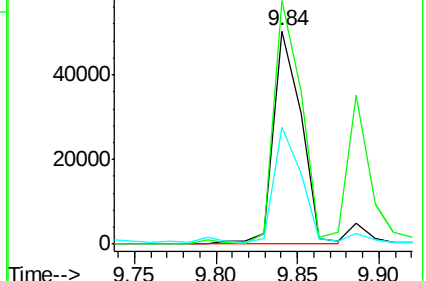
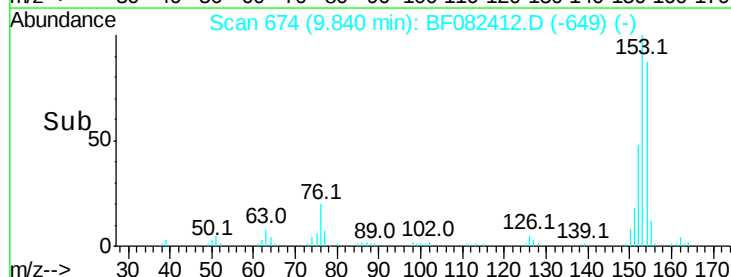
152 54.9 44.3 66.5

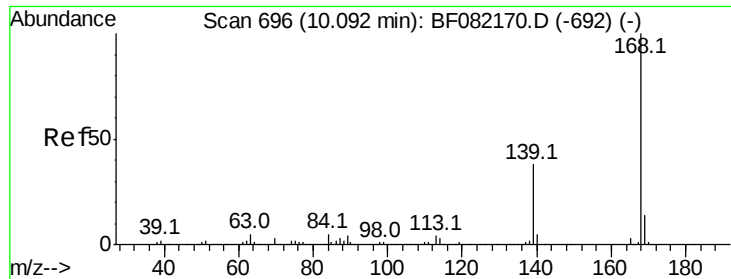


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

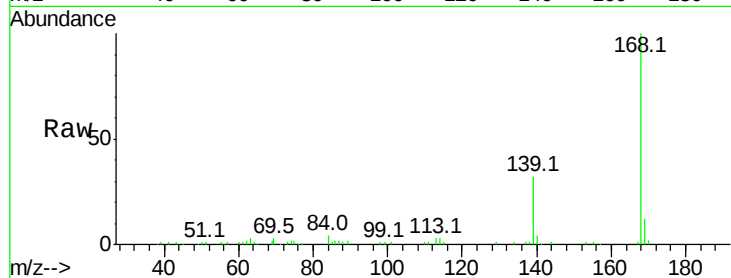




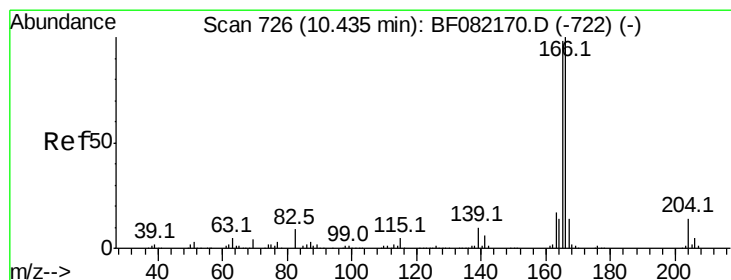
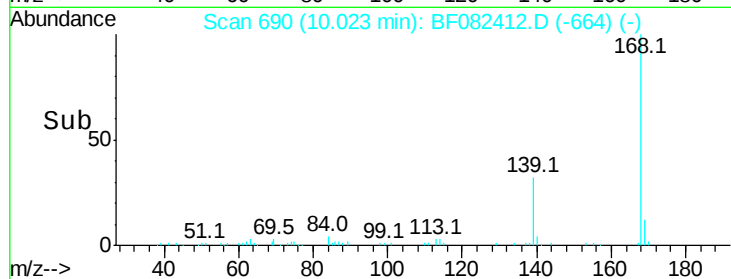
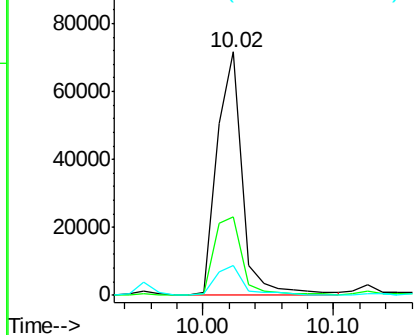
#54
Dibenzenofuran
Concen: 5.85 ng
RT: 10.02 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

Instrument :
BNA_F
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MC-MASTER-WALL-SOIL-WEST

Tot Ion:168 Resp: 97303
Ion Ratio Lower Upper
168 100
139 32.0 31.0 46.6
169 12.3 10.9 16.3

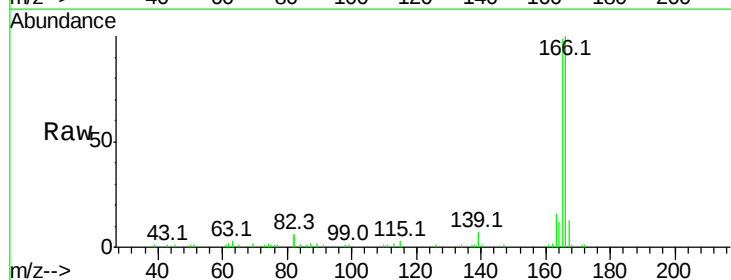


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

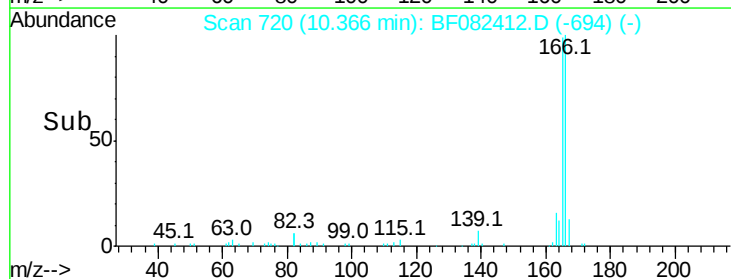
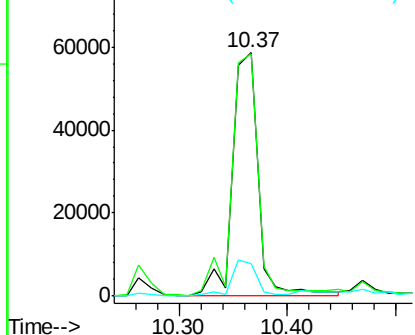


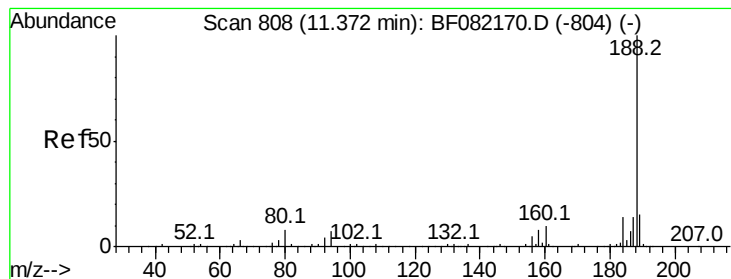
#57
Fluorene
Concen: 6.98 ng
RT: 10.37 min Scan# 720
Delta R.T. -0.00 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

Tgt Ion:166 Resp: 95284
Ion Ratio Lower Upper
166 100
165 99.4 78.3 117.5
167 13.5 10.8 16.2



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: 11.30 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Instrument :

BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

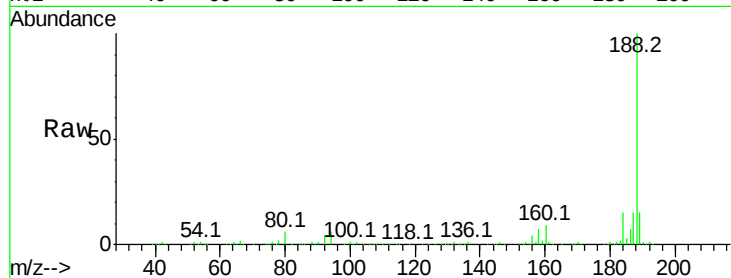
Tot Ion:188 Resp: 429394

Ion Ratio Lower Upper

188 100

94 6.4 5.8 8.6

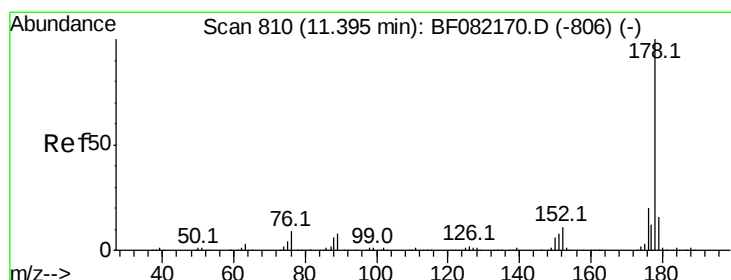
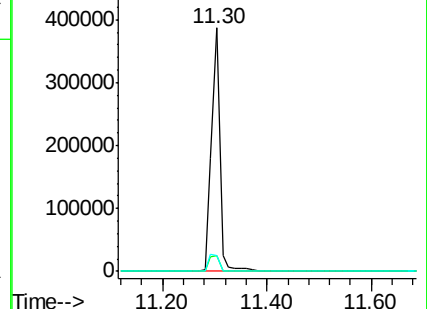
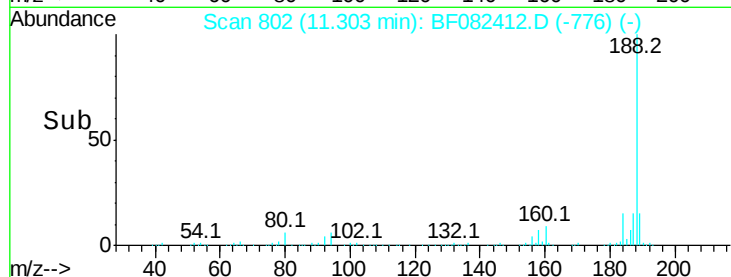
80 6.2 6.4 9.6#



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: 7.19 ng

RT: 11.33 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

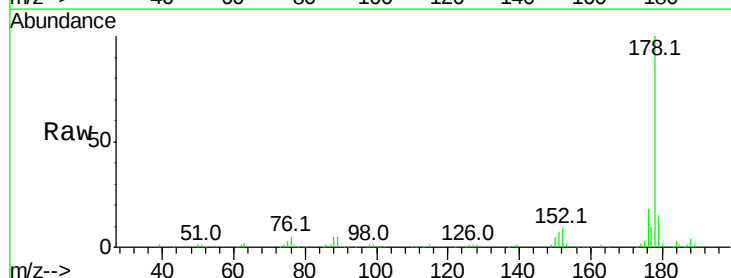
Tgt Ion:178 Resp: 151329

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

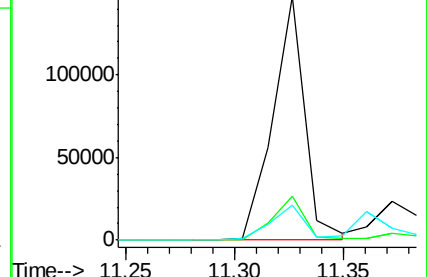
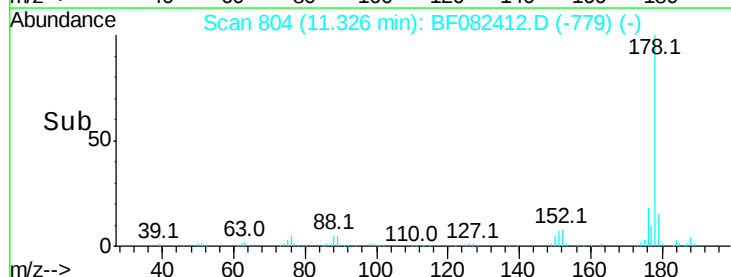
179 14.6 12.6 19.0

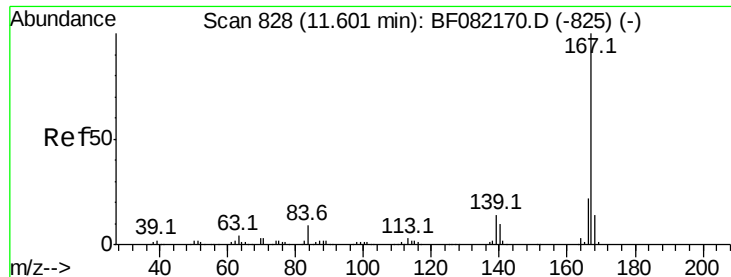


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.49 ng

RT: 11.53 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Instrument :

BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

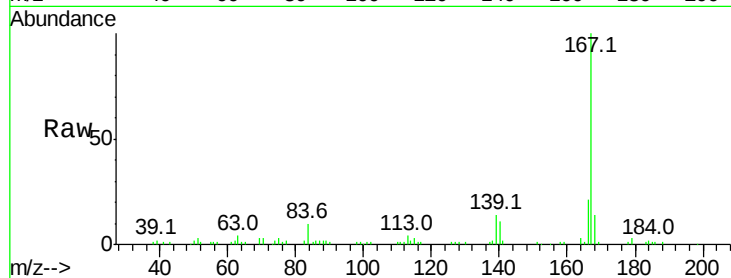
Tot Ion:167 Resp: 128452

Ion Ratio Lower Upper

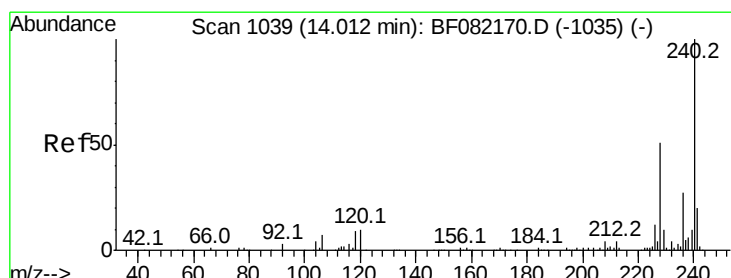
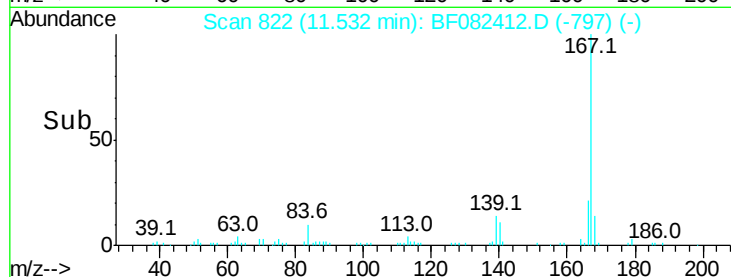
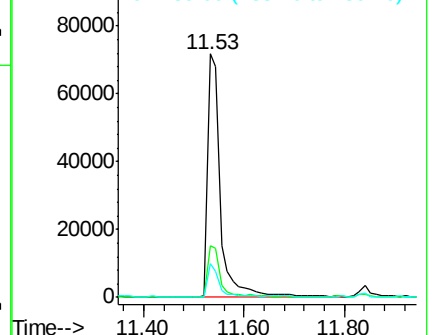
167 100

166 21.2 17.3 25.9

139 14.1 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

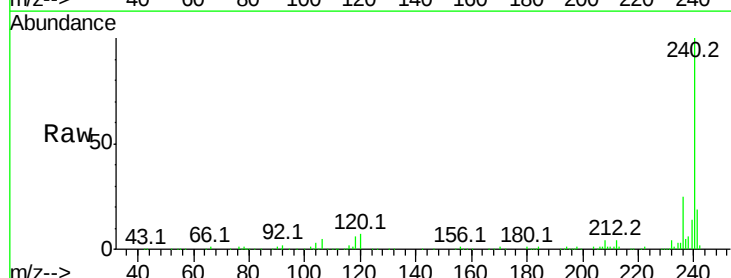
Tgt Ion:240 Resp: 373129

Ion Ratio Lower Upper

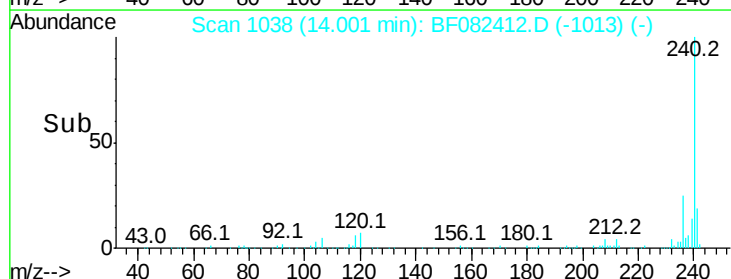
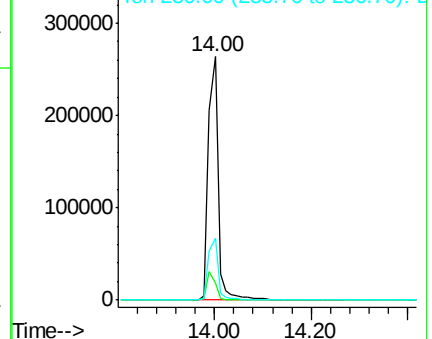
240 100

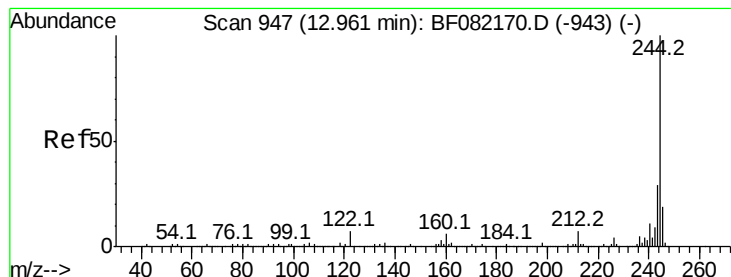
120 7.0 8.1 12.1#

236 25.2 21.3 31.9



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





#78

Terphenyl-d14

Concen: 89.82 ng

RT: 12.90 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Instrument :

BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

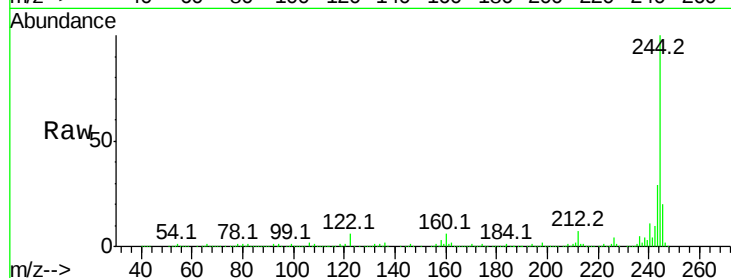
Tot Ion:244 Resp: 1264721

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

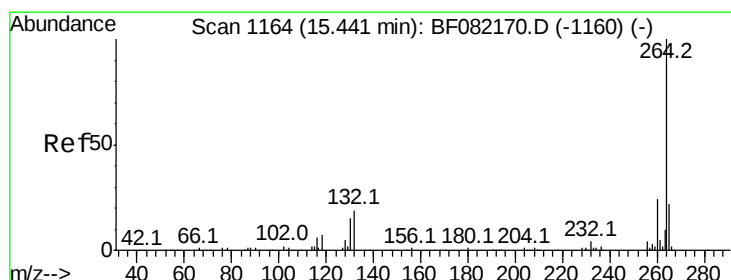
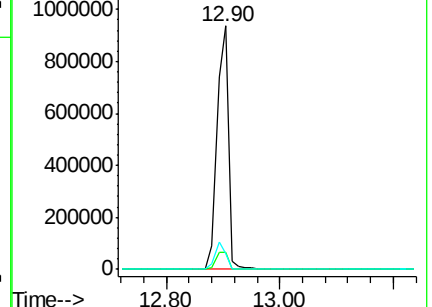
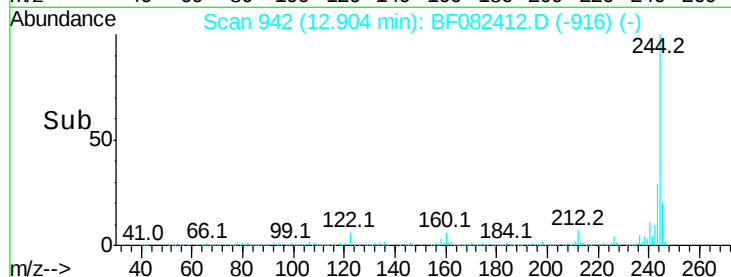
122 6.4 5.9 8.9



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.53 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

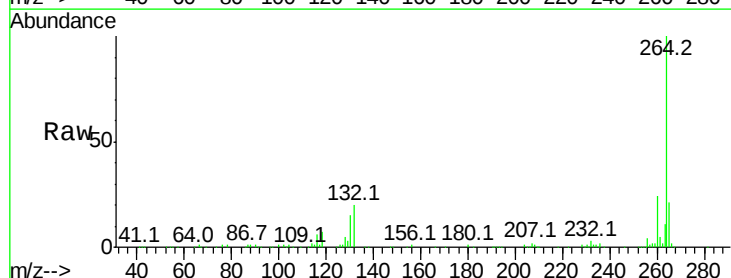
Tgt Ion:264 Resp: 260309

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 21.4 17.3 25.9



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

