

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 10:18:03 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

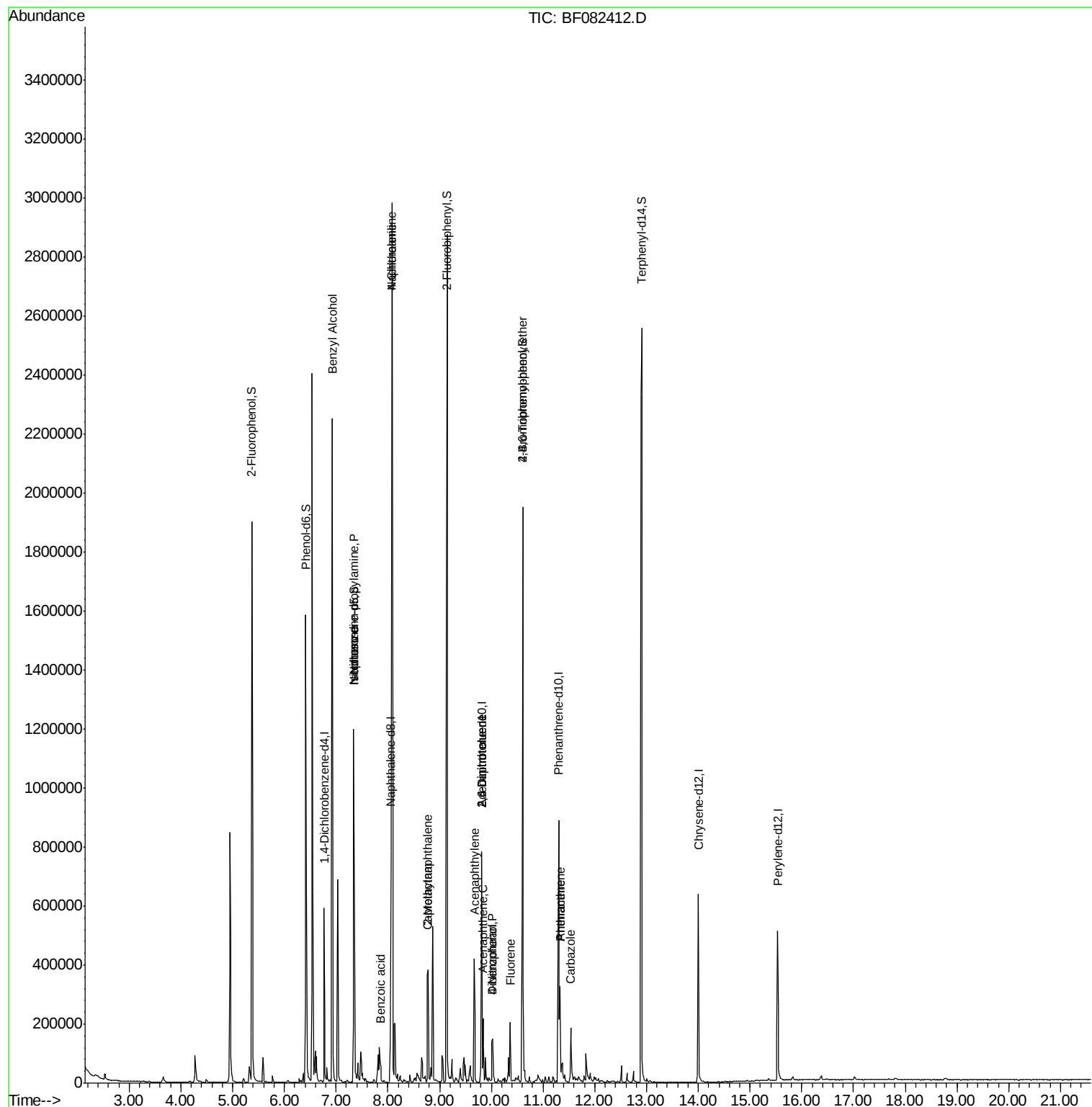
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	106222	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	408792	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	215698	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	429394	20.00	ng	0.00
75) Chrysene-d12	14.00	240	373129	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
15) Benzyl Alcohol	6.93	79	10250	2.17	ng	# 48
19) n-Nitroso-di-n-propylamine	7.34	70	69773	14.51	ng	# 82
25) Isophorone	7.34	82	483697	39.37	ng	# 66
31) Naphthalene	8.08	128	1554625	87.73	ng	98
32) Benzoic acid	7.86	122	9735	2.74	ng	# 15
33) 4-Chloroaniline	8.08	127	212558	28.88	ng	# 32
35) Caprolactam	8.77	113	3551	2.31	ng	# 1
37) 2-Methylnaphthalene	8.78	142	169416	13.79	ng	99
48) Acenaphthylene	9.67	152	220106	10.91	ng	99
50) 2,6-Dinitrotoluene	9.82	165	28471	8.88	ng	# 33
51) Acenaphthene	9.84	154	59797	4.94	ng	100
54) Dibenzofuran	10.02	168	97303	5.85	ng	91
55) 4-Nitrophenol	10.02	139	35005	19.42	ng	# 12
56) 2,4-Dinitrotoluene	9.82	165	28471	7.11	ng	# 24
57) Fluorene	10.37	166	95284	6.98	ng	99
66) 4-Bromophenyl-phenylether	10.61	248	16557	3.85	ng	# 1
70) Phenanthrene	11.33	178	151329	7.19	ng	97
71) Anthracene	11.33	178	151329	6.98	ng	98
72) Carbazole	11.53	167	128452	6.49	ng	99

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

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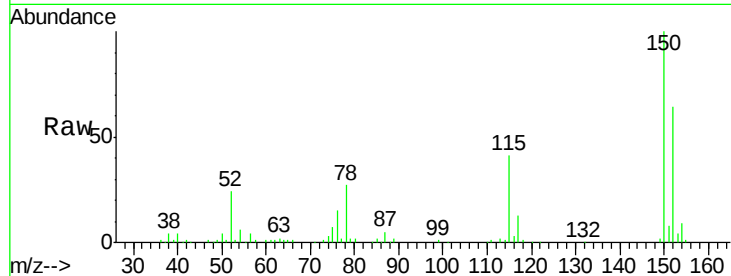


#1

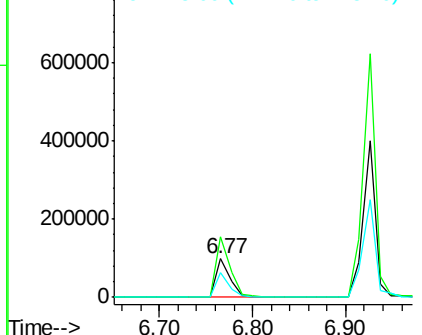
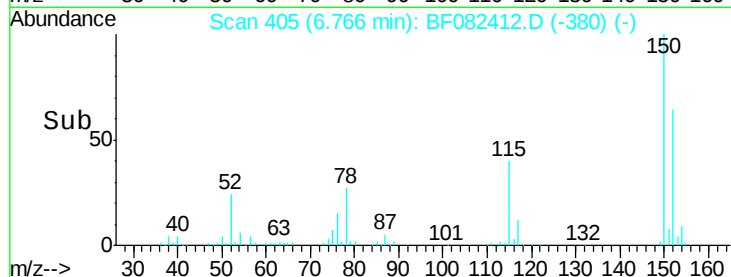
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

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

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



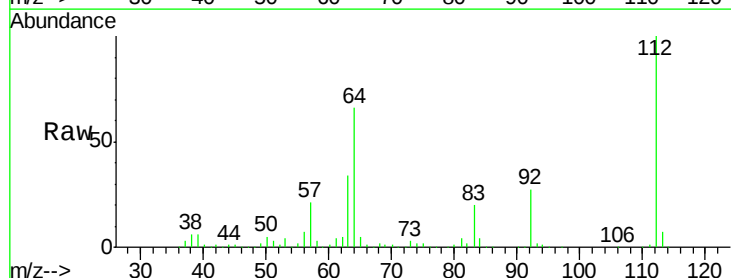
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



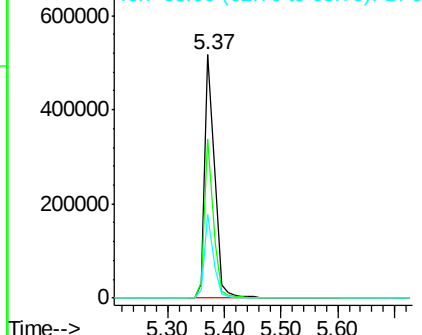
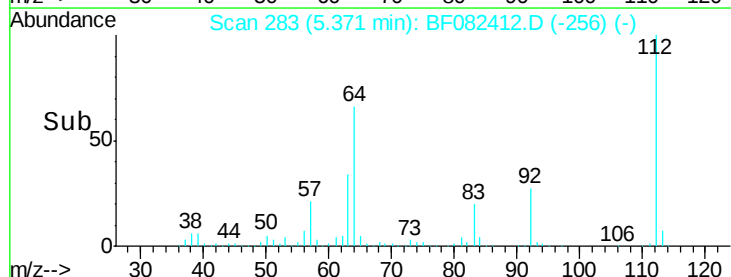
#5

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

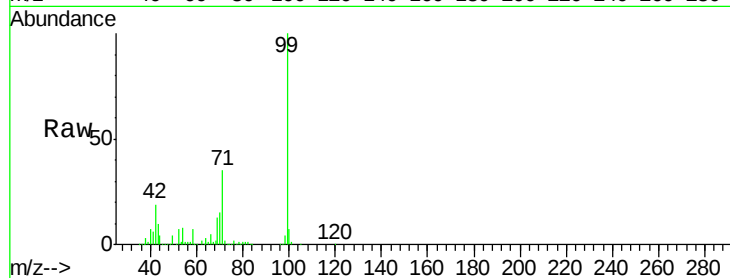
Tot Ion: 99 Resp: 700118

Ion Ratio Lower Upper

99 100

42 18.8 13.2 19.8

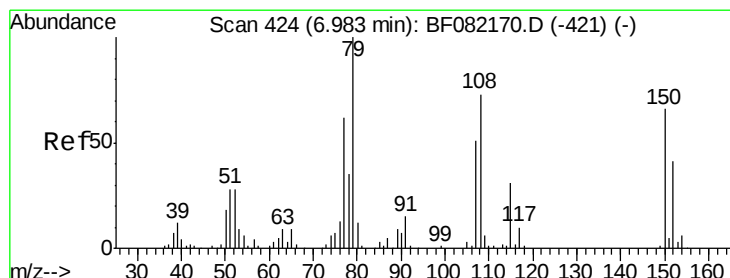
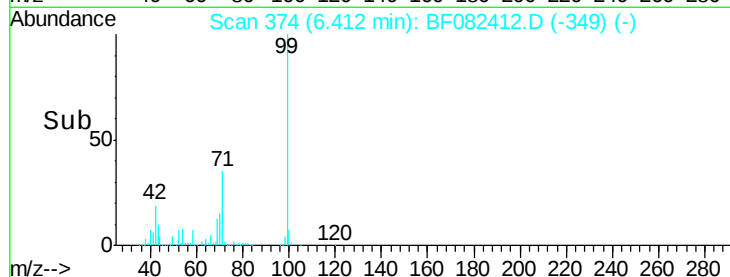
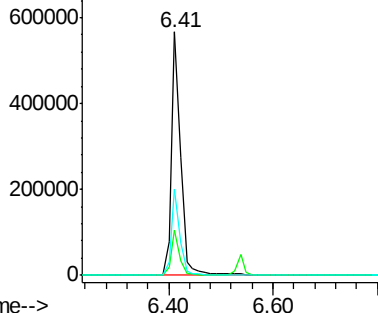
71 35.3 25.6 38.4



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



#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.93 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

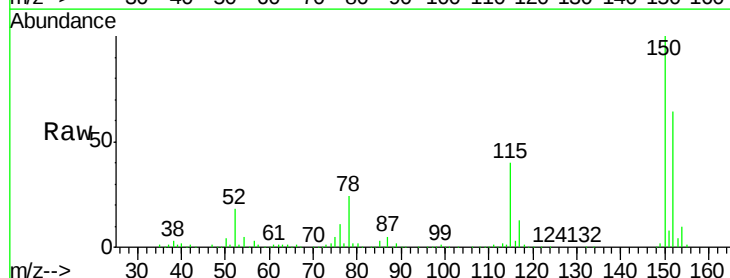
Tgt Ion: 79 Resp: 10250

Ion Ratio Lower Upper

79 100

108 30.8 58.4 87.6#

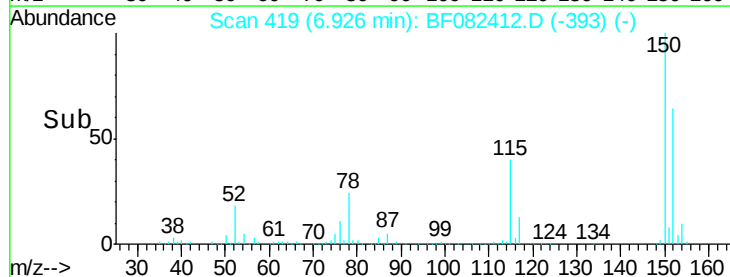
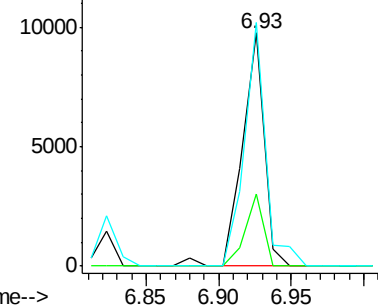
77 104.5 49.8 74.6#

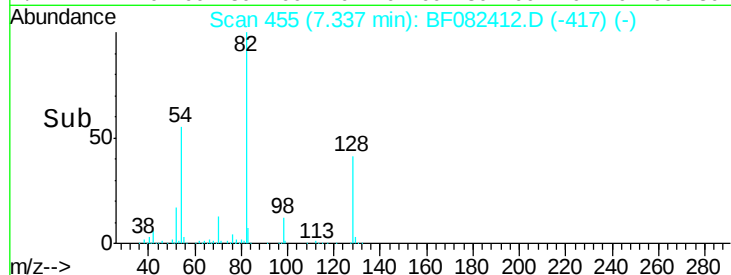
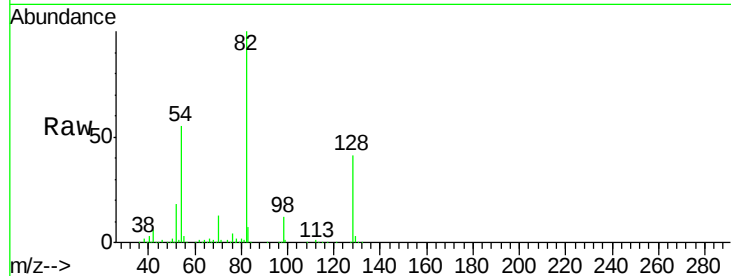
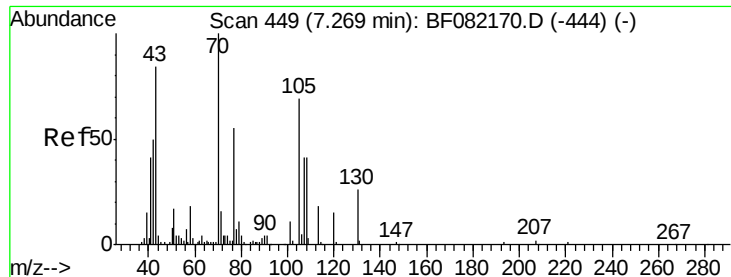


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

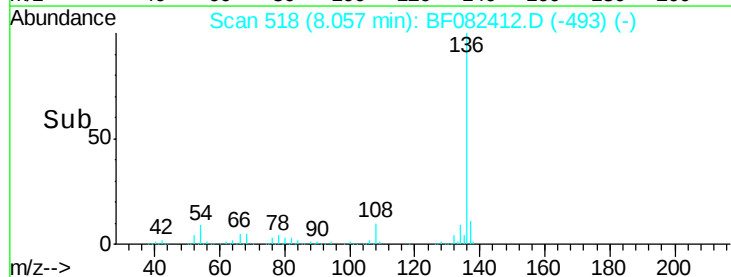
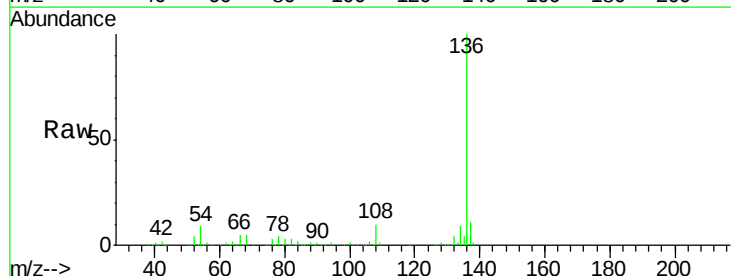
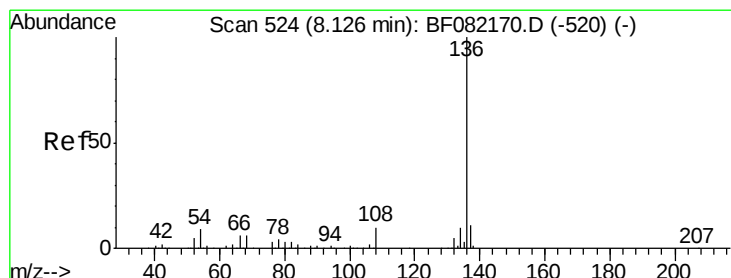
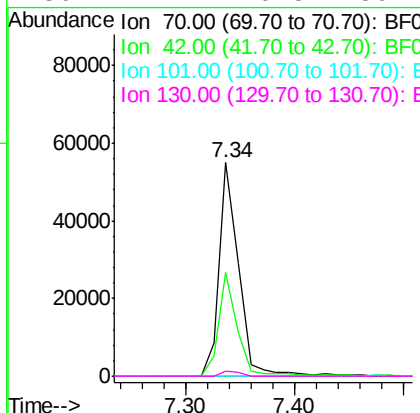




#19
n-Nitroso-di-n-propylamine
Concen: 14.51 ng
RT: 7.34 min Scan# 455
Delta R.T. 0.14 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

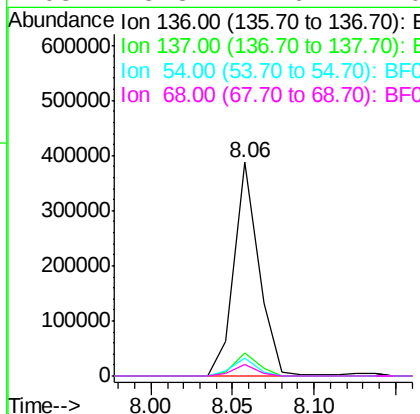
Instrument :
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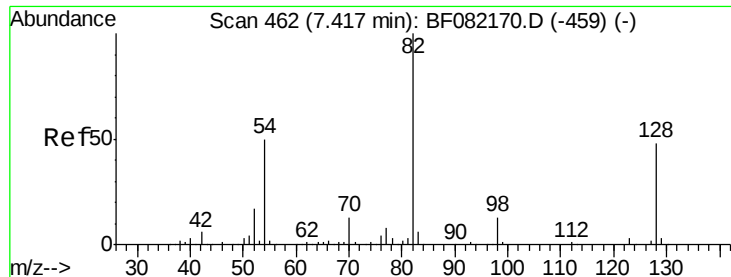
Tot Ion: 70 Resp: 69773
Ion Ratio Lower Upper
70 100
42 48.7 39.8 59.8
101 0.0 8.6 13.0#
130 2.1 20.5 30.7#



#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

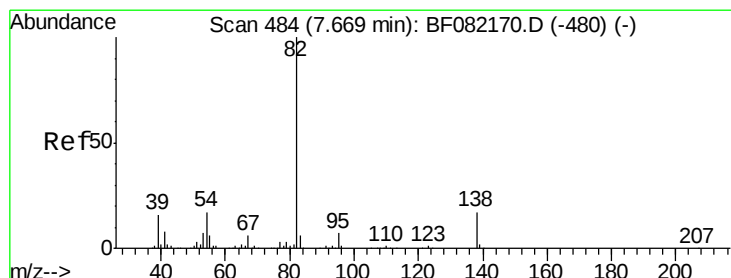
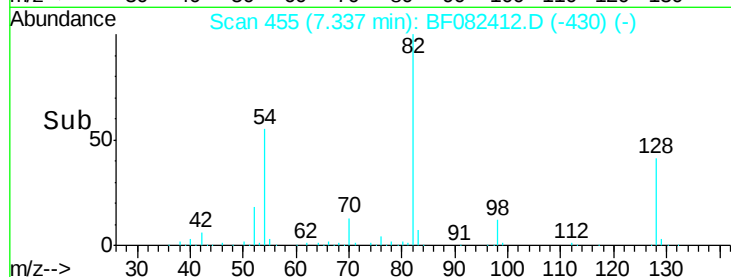
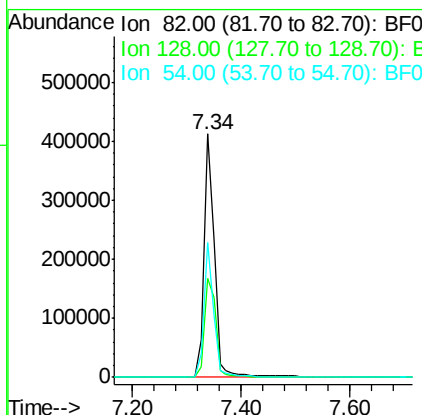
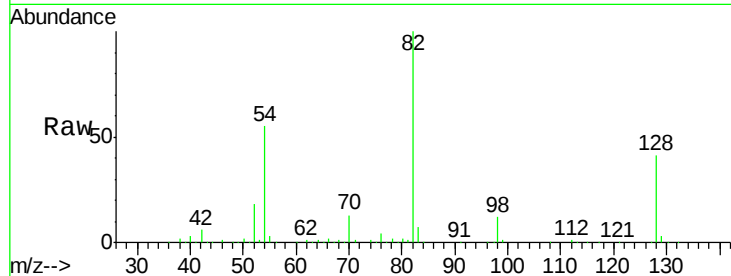




#23
 Nitrobenzene-d5
 Concen: 88.96 ng
 RT: 7.34 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF082412.D
 Acq: 21 Oct 2015 19:01

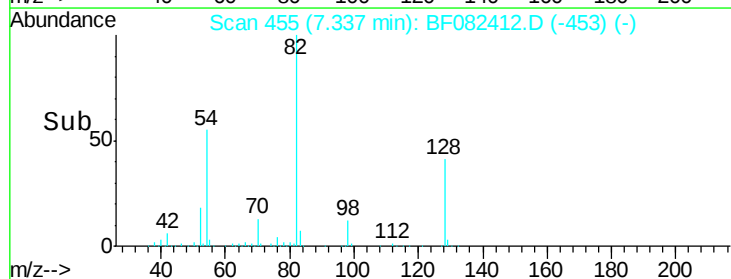
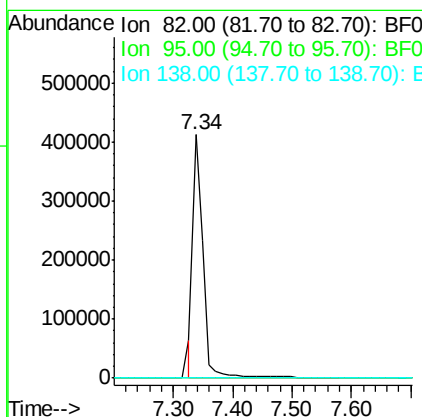
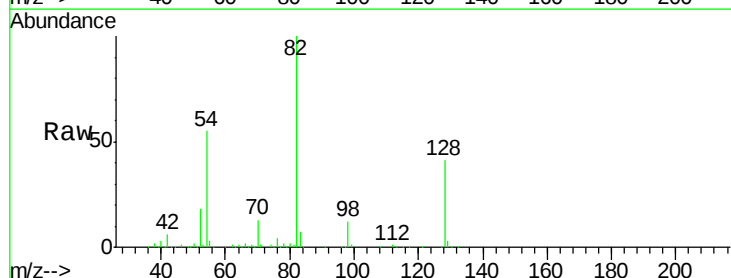
Instrument :
 BNA_F
 ClientSampleId :
 MC-MASTER-WALL-SOIL-WEST

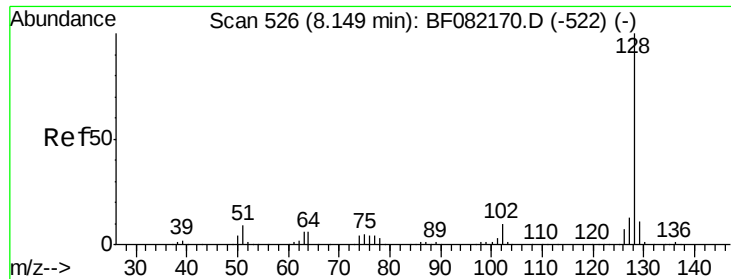
Tot Ion: 82 Resp: 541516
 Ion Ratio Lower Upper
 82 100
 128 40.8 38.7 58.1
 54 55.4 40.1 60.1



#25
 Isophorone
 Concen: 39.37 ng
 RT: 7.34 min Scan# 455
 Delta R.T. -0.27 min
 Lab File: BF082412.D
 Acq: 21 Oct 2015 19:01

Tgt Ion: 82 Resp: 483697
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 13.6 20.4#





#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

Instrument :

BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

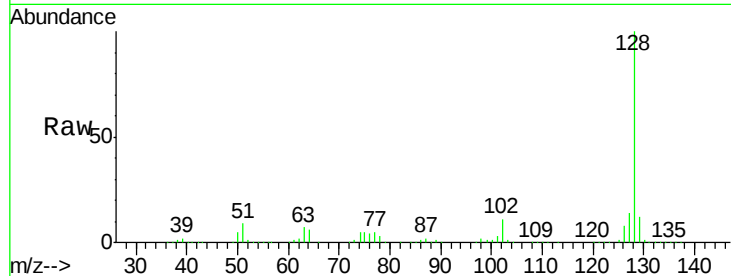
Tot Ion:128 Resp: 1554625

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

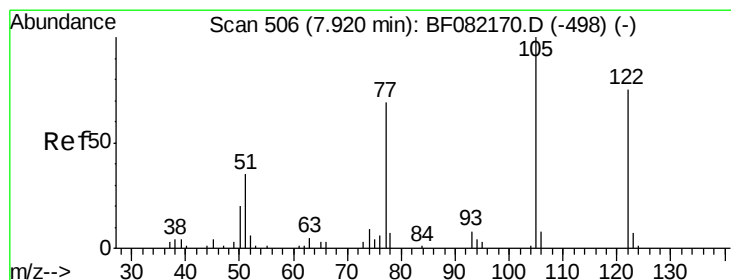
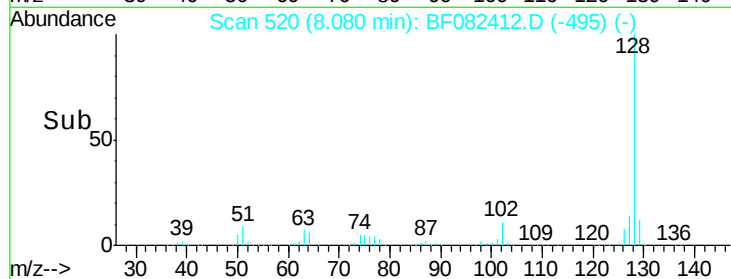
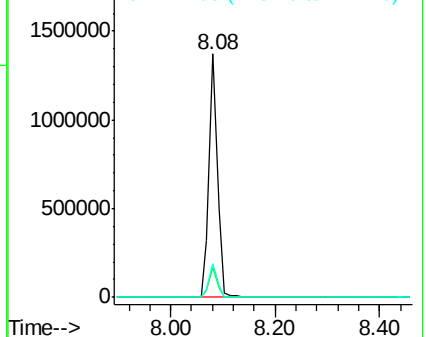
127 14.1 10.7 16.1



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



#32

Benzoic acid

Concen: 2.74 ng

RT: 7.86 min Scan# 501

Delta R.T. -0.00 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

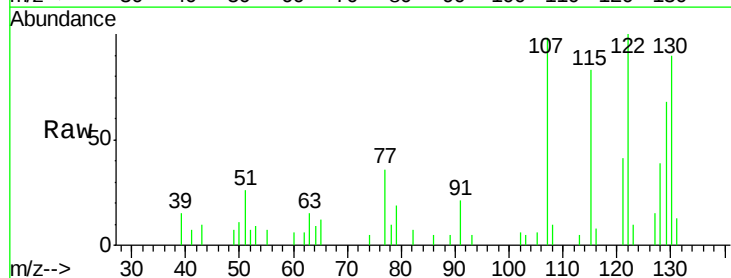
Tgt Ion:122 Resp: 9735

Ion Ratio Lower Upper

122 100

105 5.6 104.4 144.4#

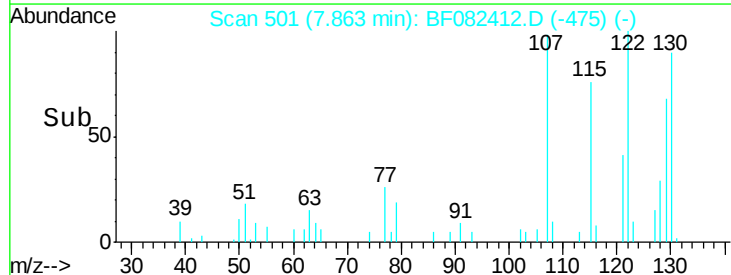
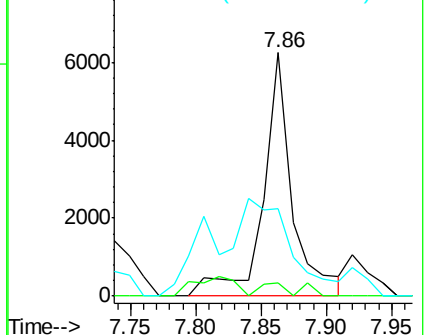
77 35.8 69.0 109.0#

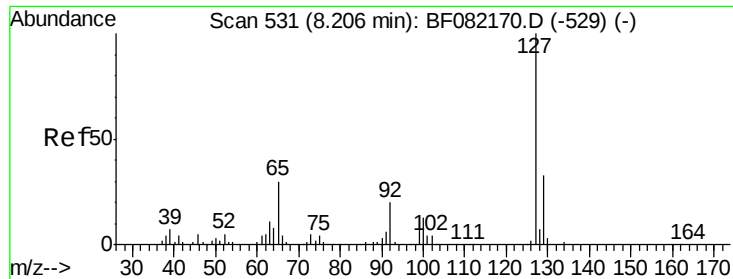


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

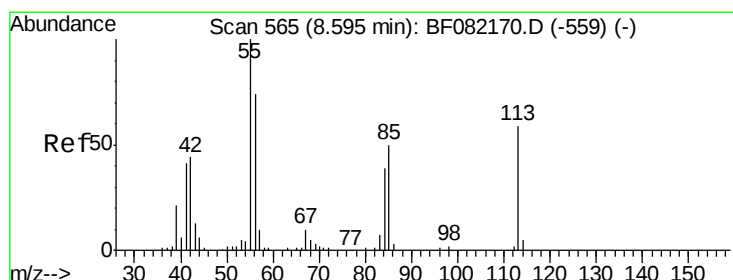
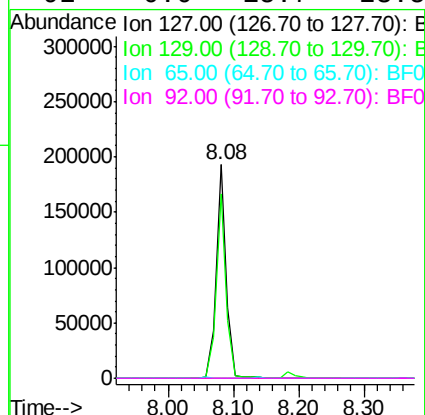
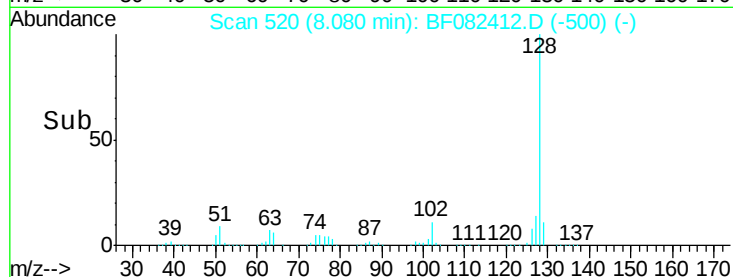
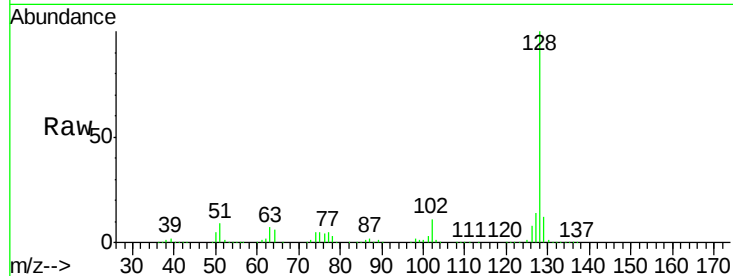




#33
4-Chloroaniline
Concen: 28.88 ng
RT: 8.08 min Scan# 520
Delta R.T. -0.07 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

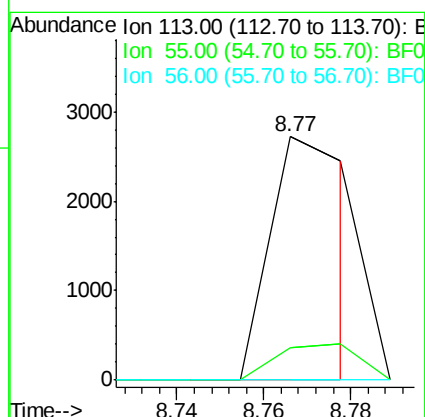
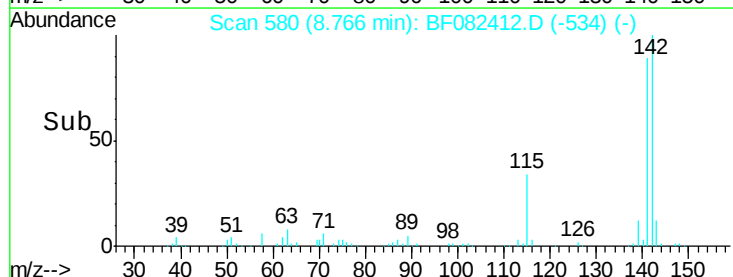
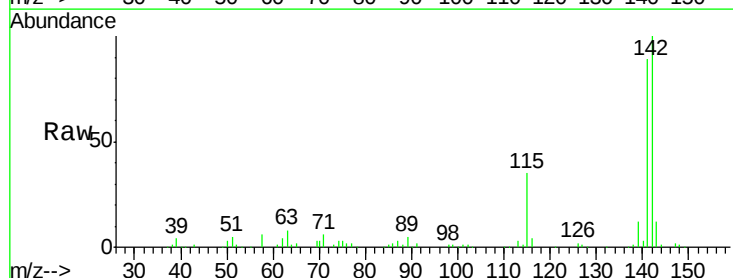
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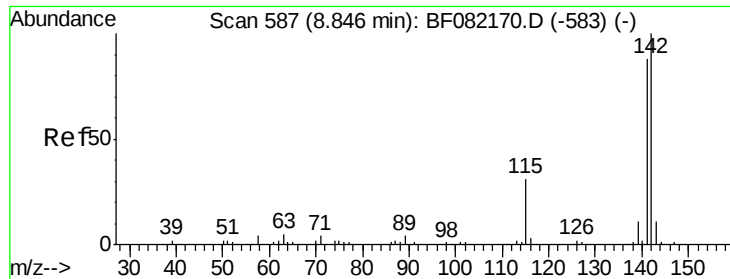
Tot Ion:127 Resp: 212558
Ion Ratio Lower Upper
127 100
129 86.2 26.3 39.5#
65 0.0 24.4 36.6#
92 0.0 15.7 23.5#



#35
Caprolactam
Concen: 2.31 ng
RT: 8.77 min Scan# 580
Delta R.T. 0.23 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

Tgt Ion:113 Resp: 3551
Ion Ratio Lower Upper
113 100
55 13.5 149.7 189.7#
56 0.0 105.4 145.4#

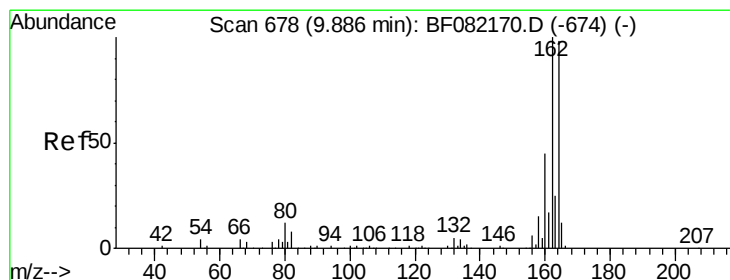
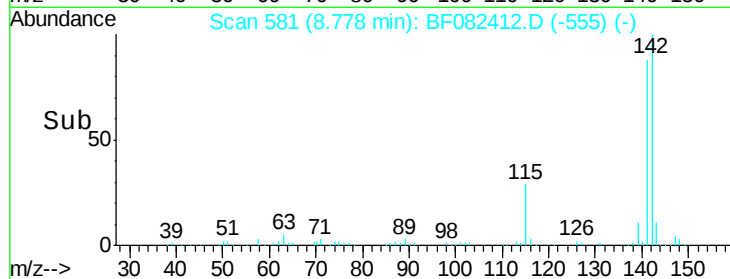
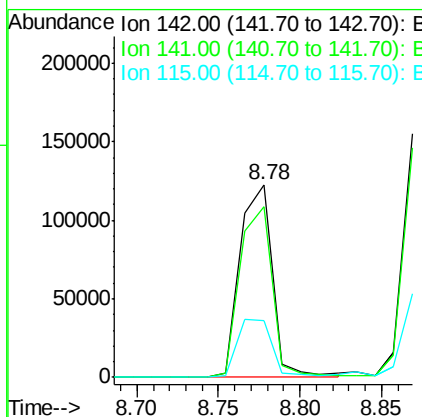
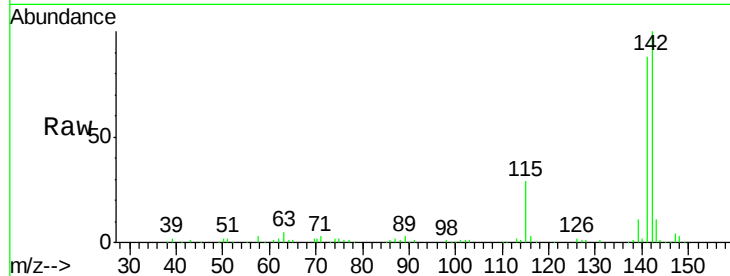




#37
2-Methylnaphthalene
Concen: 13.79 ng
RT: 8.78 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

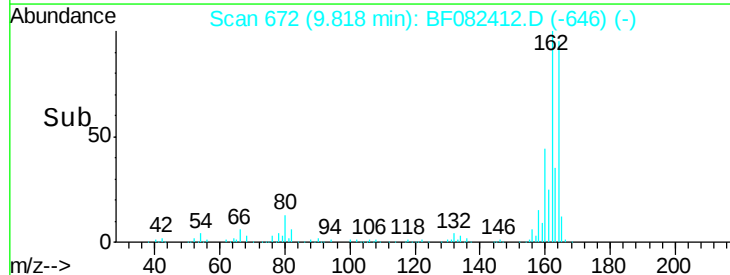
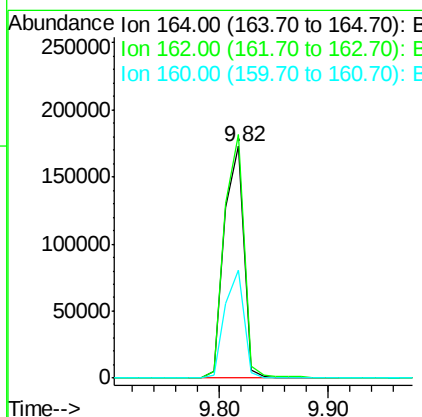
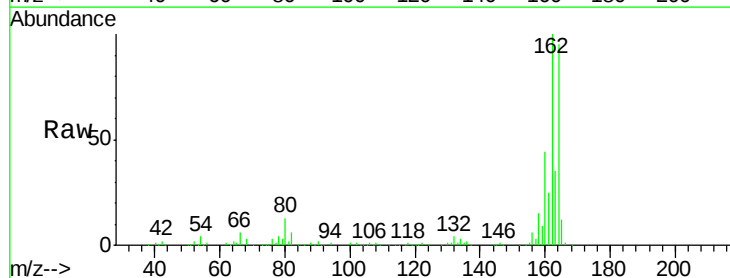
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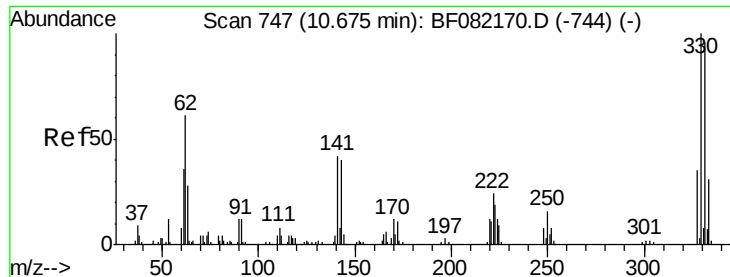
Tot Ion:142 Resp: 169416
Ion Ratio Lower Upper
142 100
141 88.3 70.4 105.6
115 29.2 24.6 37.0



#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

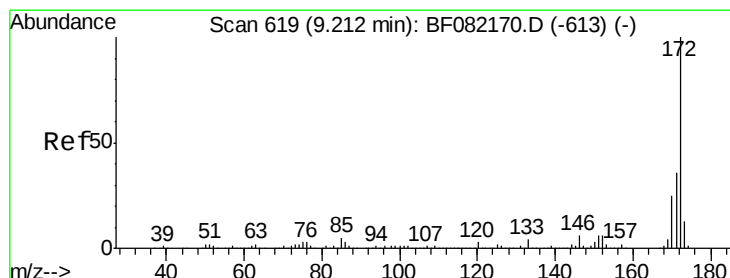
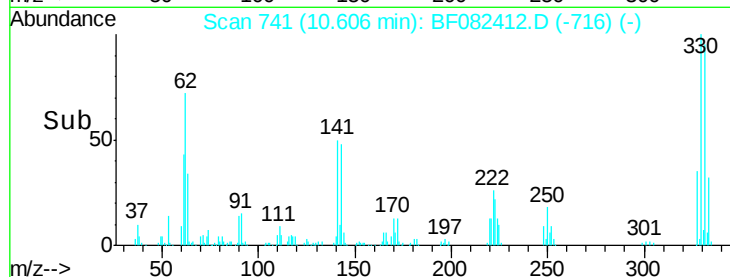
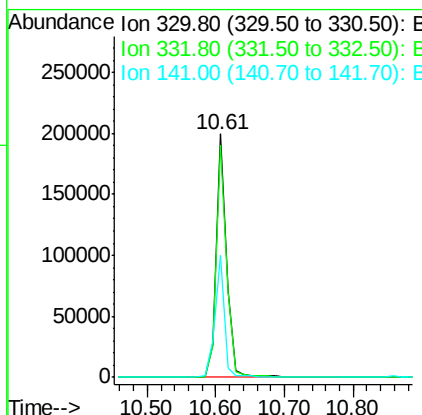
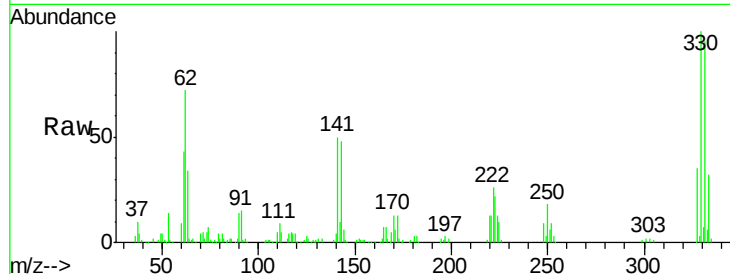




#41
 2,4,6-Tribromophenol
 Concen: 105.94 ng
 RT: 10.61 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF082412.D
 Acq: 21 Oct 2015 19:01

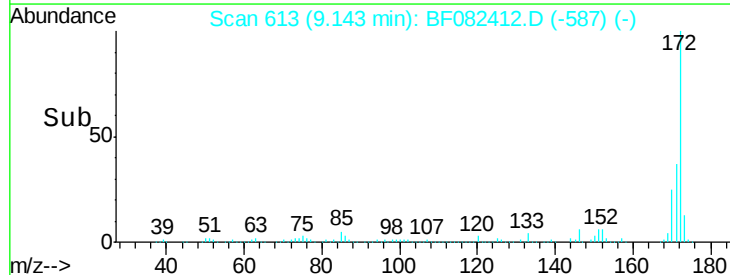
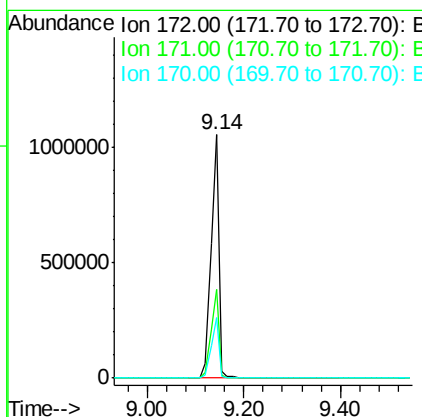
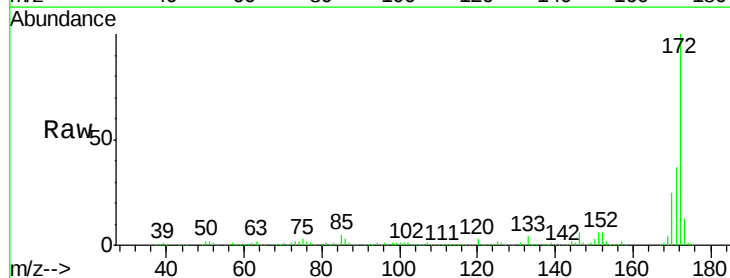
Instrument :
 BNA_F
 ClientSampleId :
 MC-MASTER-WALL-SOIL-WEST

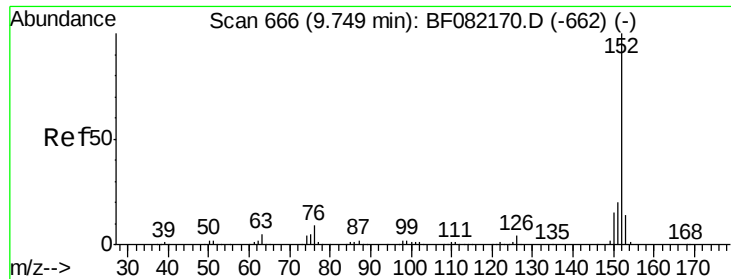
Tot Ion:330 Resp: 214304
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.1 115.7
 141 46.5 29.8 44.8#



#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





#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

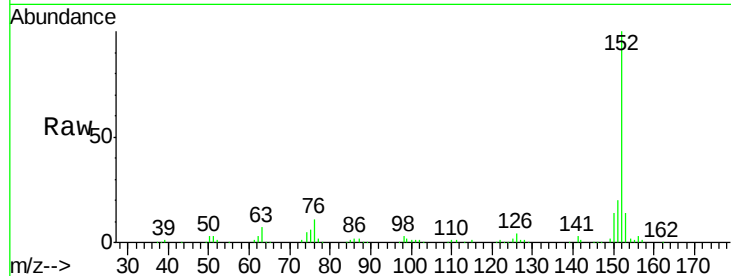
Tot Ion:152 Resp: 220106

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

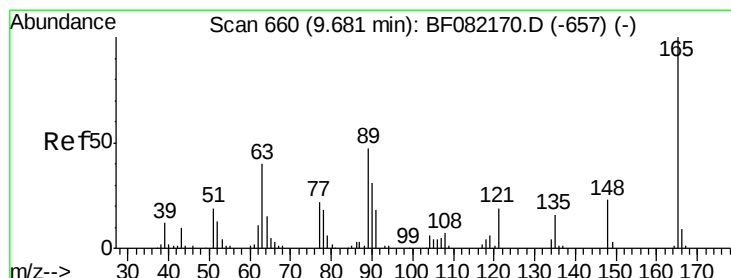
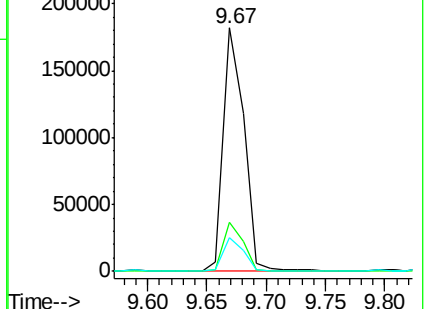
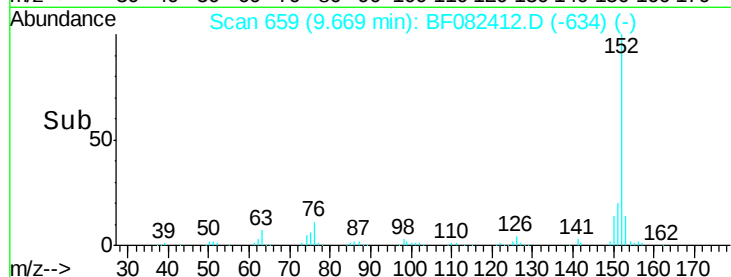
153 14.0 10.8 16.2



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



#50

2,6-Dinitrotoluene

Concen: 8.88 ng

RT: 9.82 min Scan# 672

Delta R.T. 0.19 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

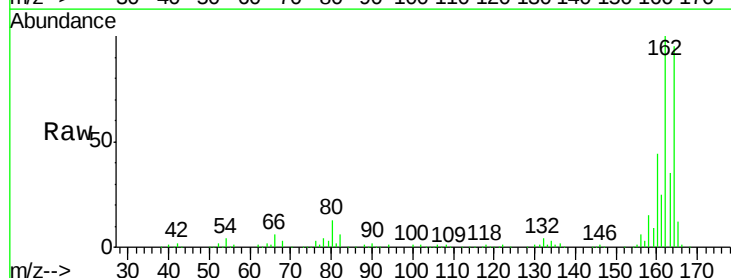
Tgt Ion:165 Resp: 28471

Ion Ratio Lower Upper

165 100

63 1.9 36.7 55.1#

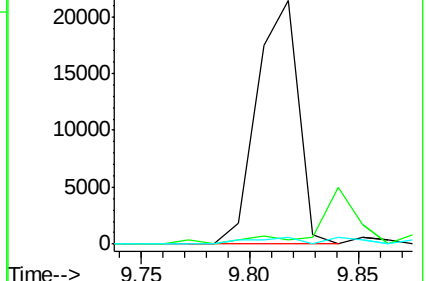
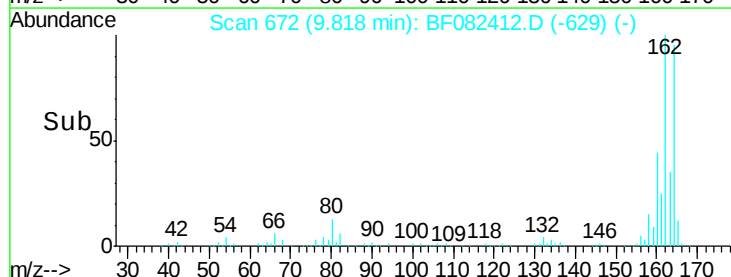
89 2.6 37.8 56.6#

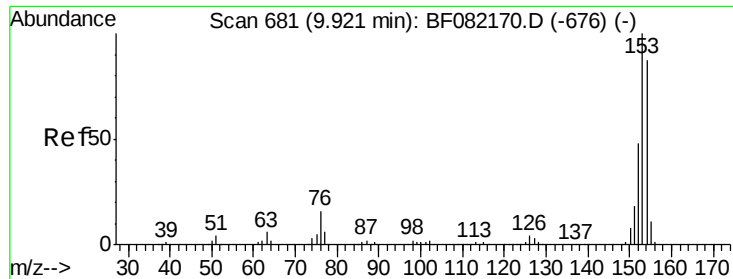


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#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

Instrument :

BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

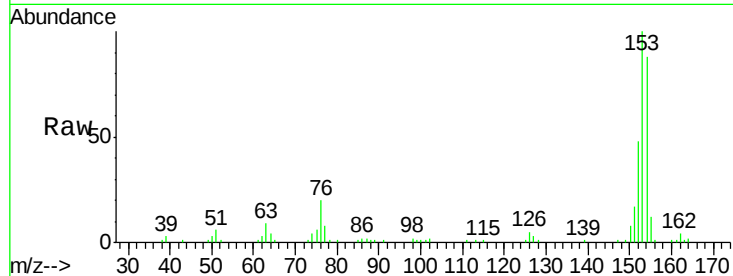
Tot Ion:154 Resp: 59797

Ion Ratio Lower Upper

154 100

153 114.2 91.4 137.2

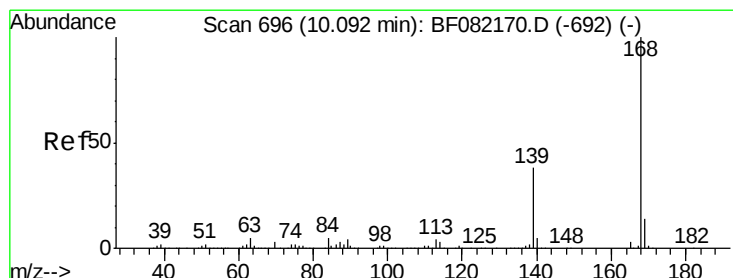
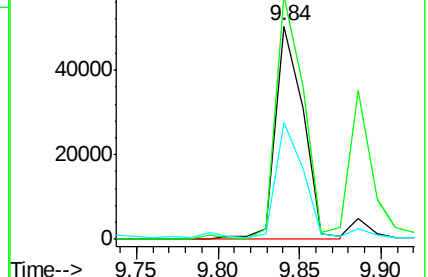
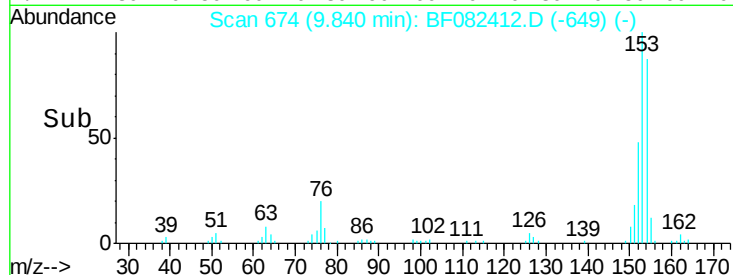
152 54.9 44.3 66.5



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

Dibenzofuran

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

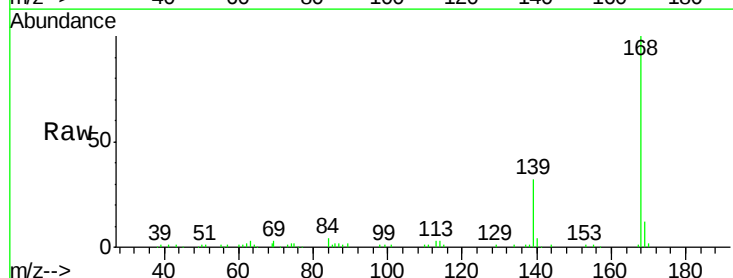
Tgt Ion:168 Resp: 97303

Ion Ratio Lower Upper

168 100

139 32.0 31.0 46.6

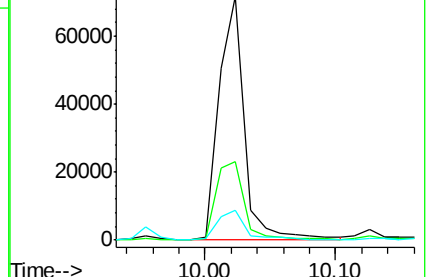
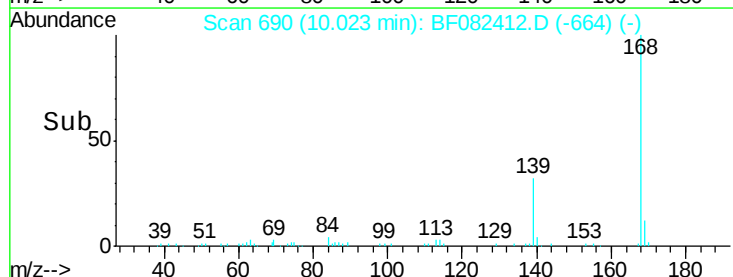
169 12.3 10.9 16.3

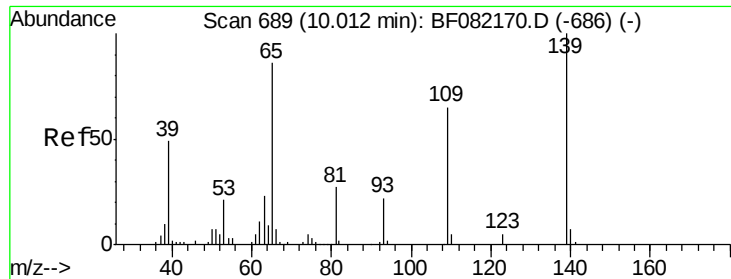


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

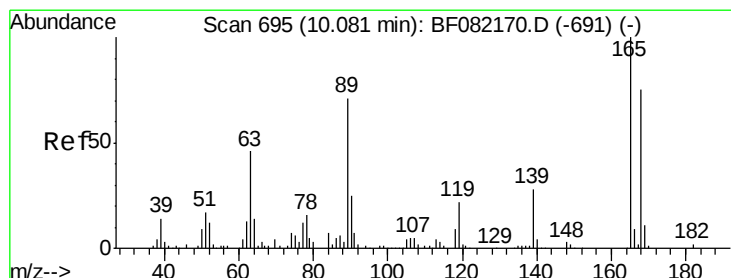
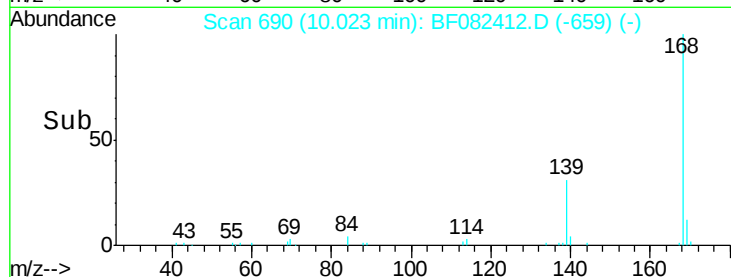
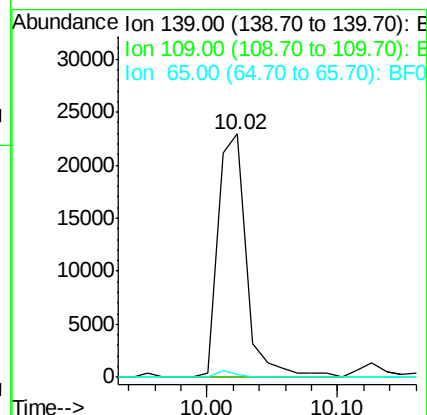
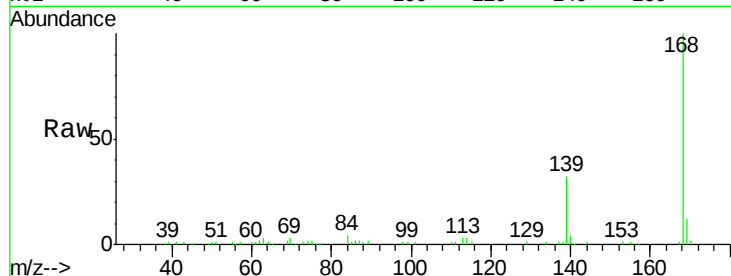




#55
4-Nitrophenol
Concen: 19.42 ng
RT: 10.02 min Scan# 690
Delta R.T. 0.06 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

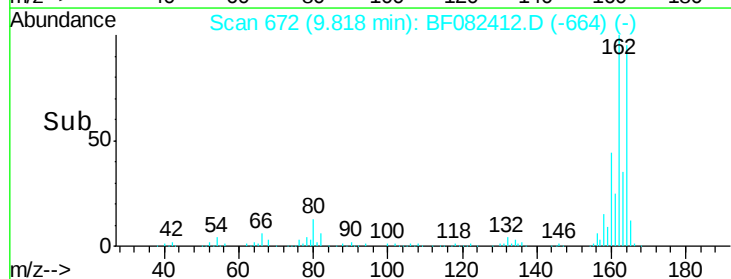
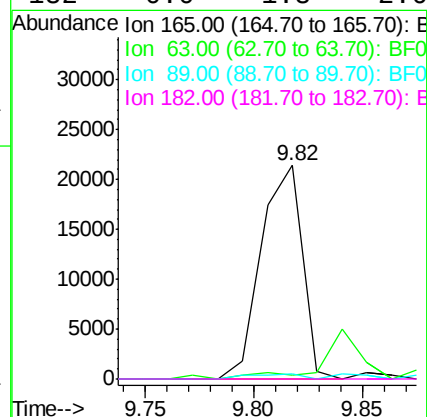
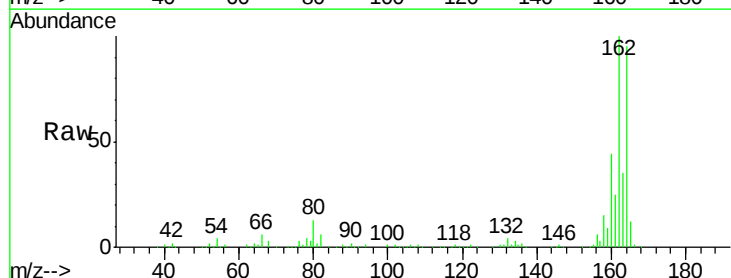
Instrument :
BNA_F
ClientSampleId :
MC-MASTER-WALL-SOIL-WEST

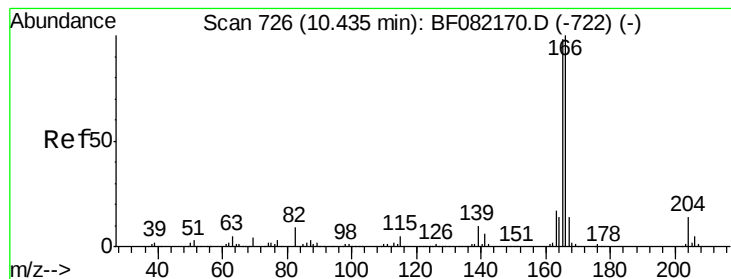
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	44.8	84.8#
65	1.4	67.7	107.7#



#56
2,4-Dinitrotoluene
Concen: 7.11 ng
RT: 9.82 min Scan# 672
Delta R.T. -0.21 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	38.6	58.0#
89	2.6	57.0	85.6#
182	0.0	1.8	2.6#





#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

Instrument :

BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

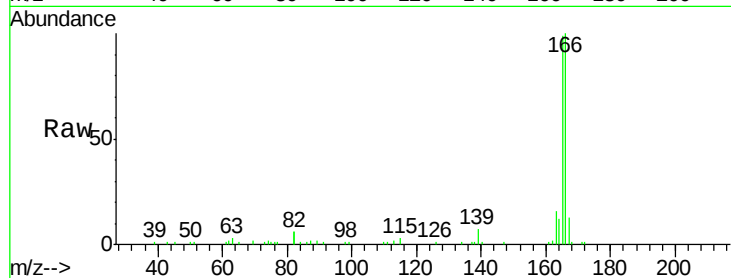
Tot Ion:166 Resp: 95284

Ion Ratio Lower Upper

166 100

165 99.4 78.3 117.5

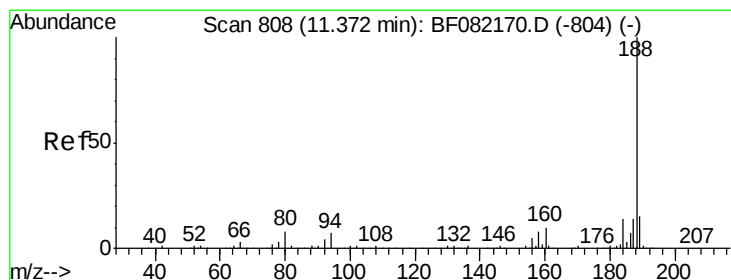
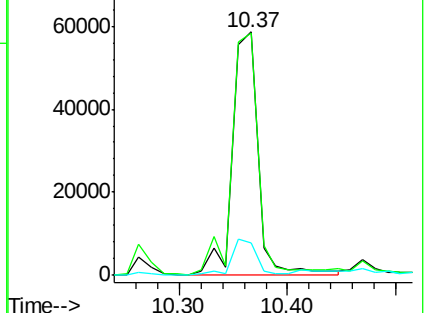
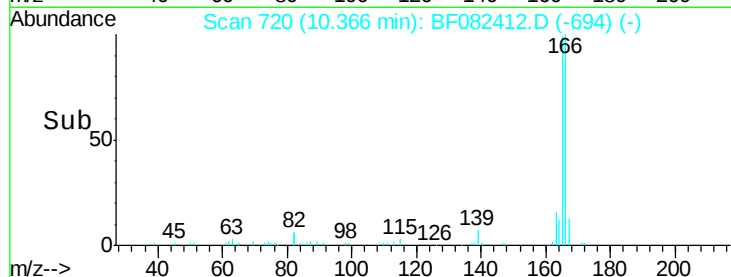
167 13.5 10.8 16.2



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

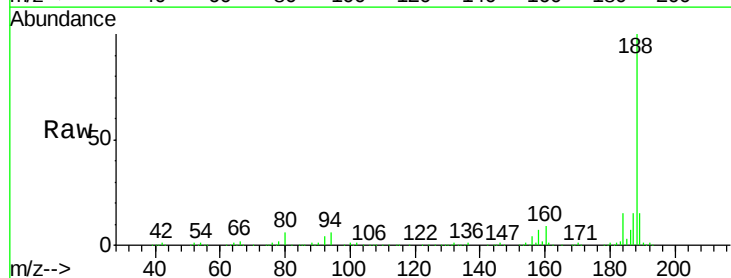
Tgt Ion:188 Resp: 429394

Ion Ratio Lower Upper

188 100

94 6.4 5.8 8.6

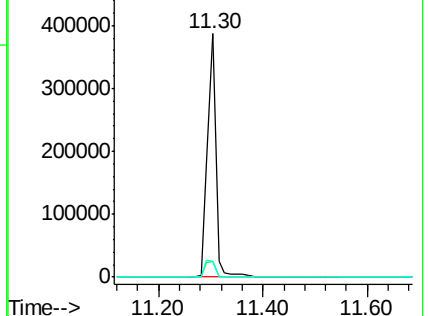
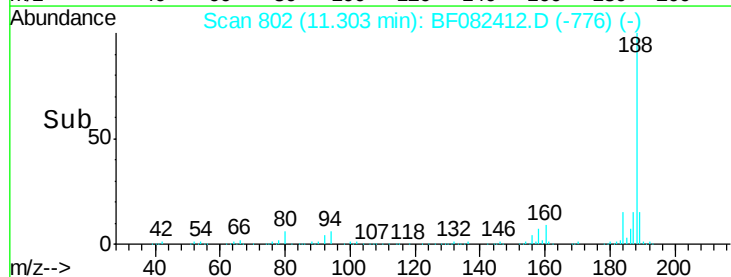
80 6.2 6.4 9.6#

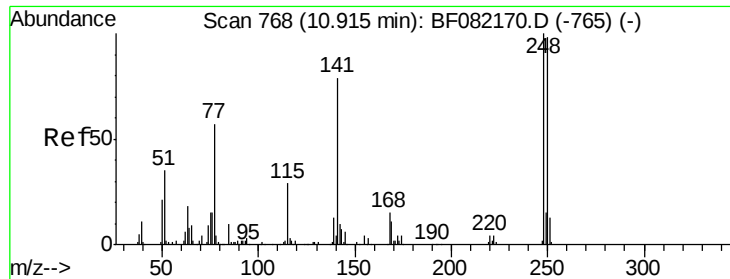


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

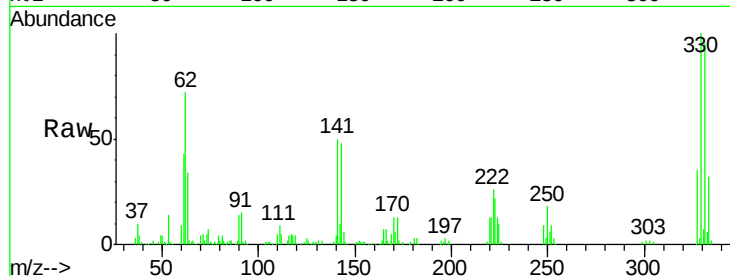




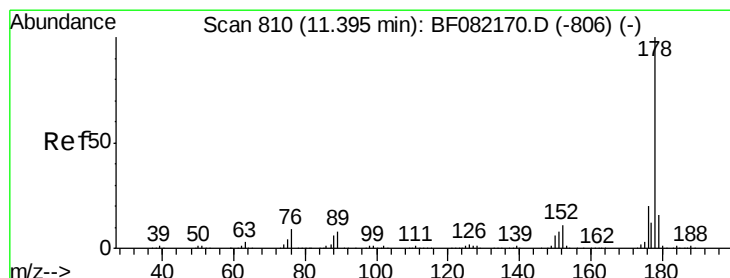
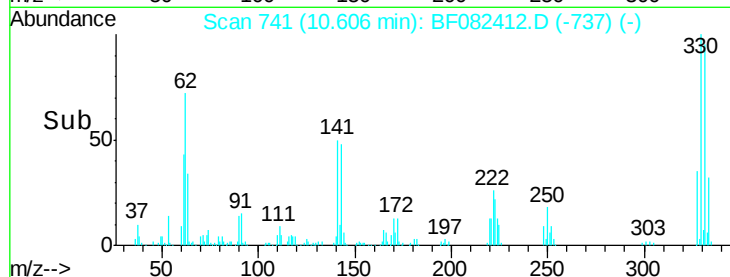
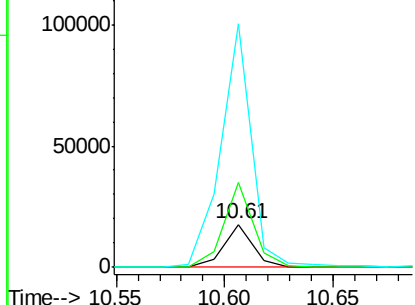
#66
 4-Bromophenyl-phenylether
 Concen: 3.85 ng
 RT: 10.61 min Scan# 741
 Delta R.T. -0.25 min
 Lab File: BF082412.D
 Acq: 21 Oct 2015 19:01

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

Tot Ion:248 Resp: 16557
 Ion Ratio Lower Upper
 248 100
 250 200.3 78.6 117.8#
 141 570.3 63.3 94.9#

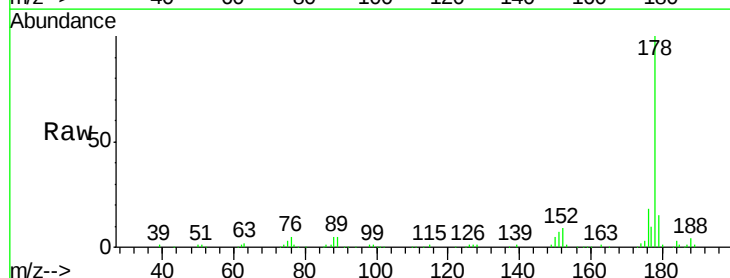


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

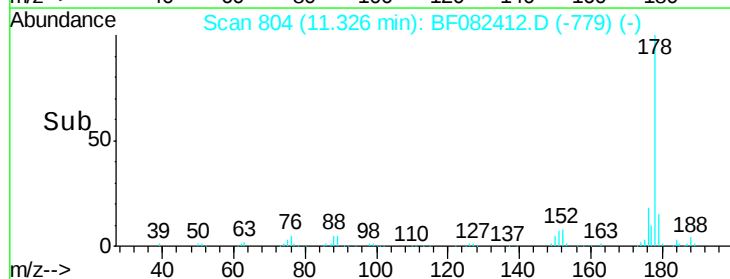
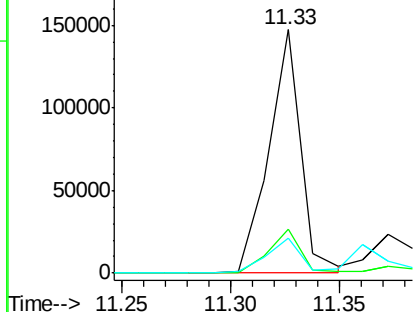


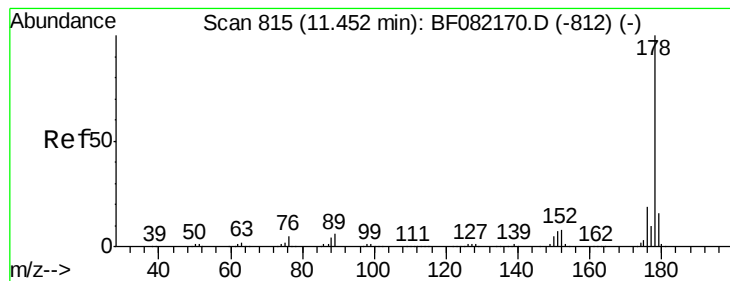
#70
 Phenanthrene
 Concen: 7.19 ng
 RT: 11.33 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF082412.D
 Acq: 21 Oct 2015 19:01

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





#71

Anthracene

Concen: 6.98 ng

RT: 11.33 min Scan# 804

Delta R.T. -0.06 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Instrument :

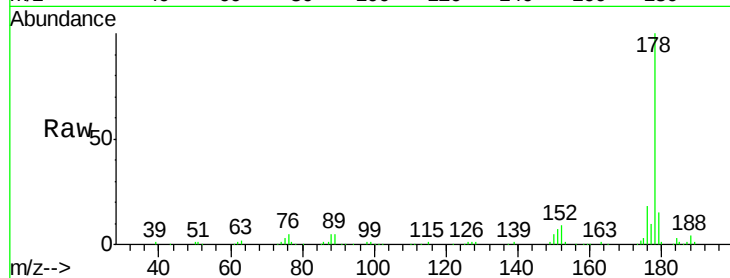
BNA_F

ClientSampleId :

MC-MASTER-WALL-SOIL-WEST

Tot Ion:178 Resp: 151329

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	14.6	12.5	18.7

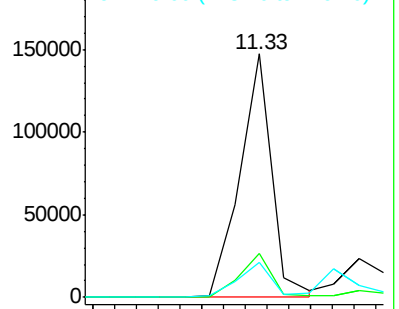


Abundance

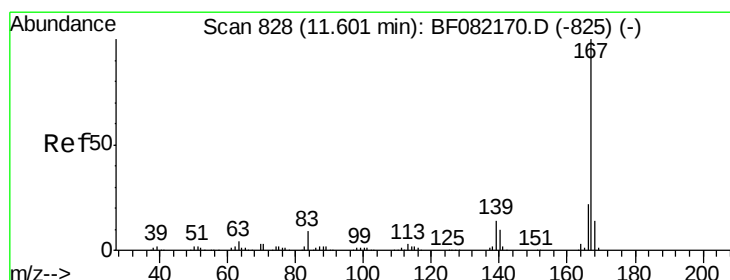
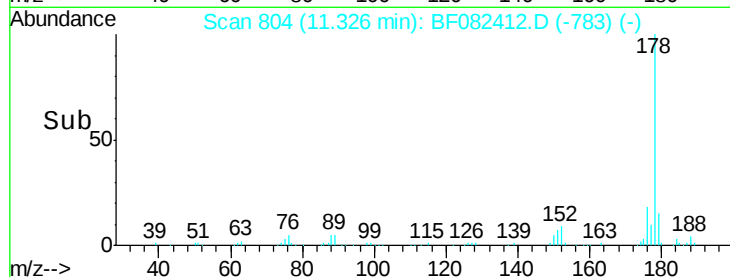
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.25 11.30 11.35



#72

Carbazole

Concen: 6.49 ng

RT: 11.53 min Scan# 822

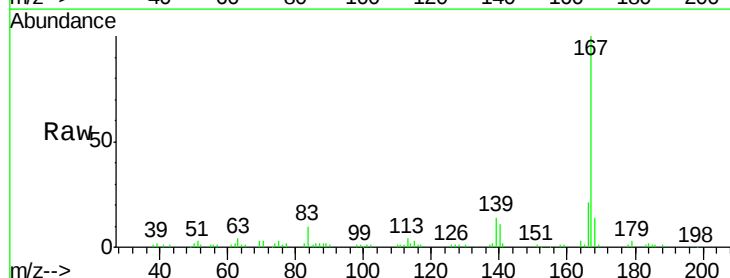
Delta R.T. -0.01 min

Lab File: BF082412.D

Acq: 21 Oct 2015 19:01

Tgt Ion:167 Resp: 128452

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.3	25.9
139	14.1	11.2	16.8

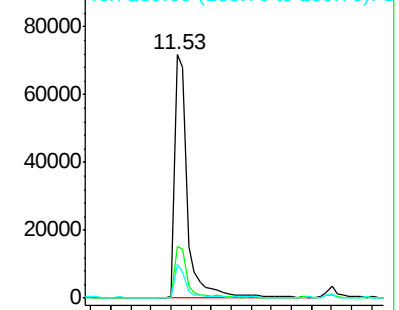


Abundance

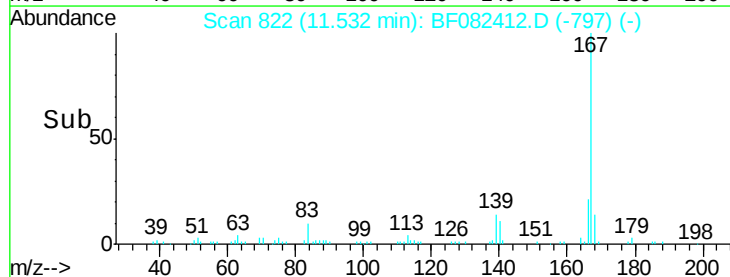
Ion 167.00 (166.70 to 167.70): E

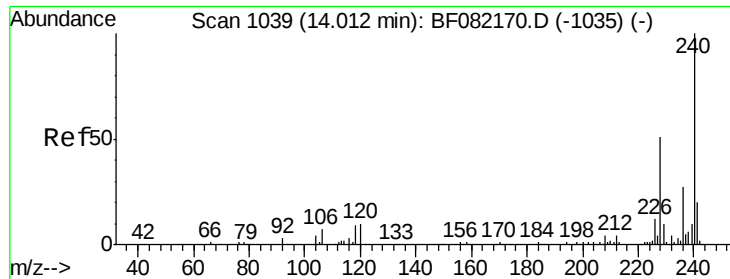
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time--> 11.40 11.60 11.80

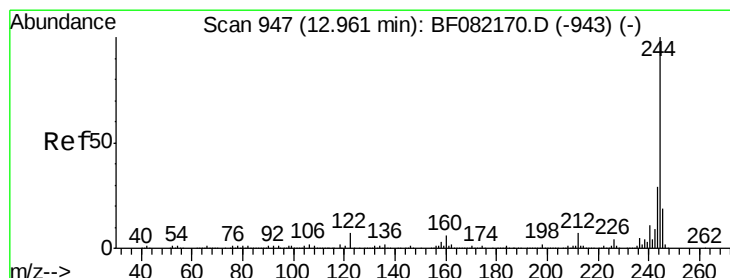
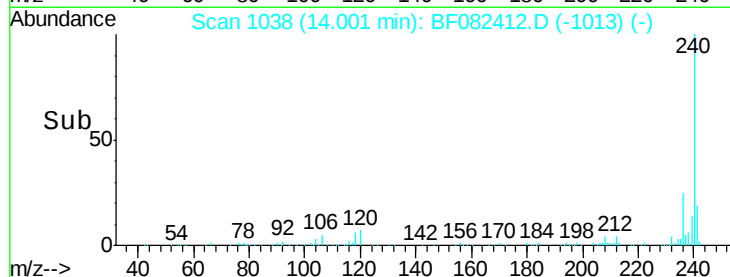
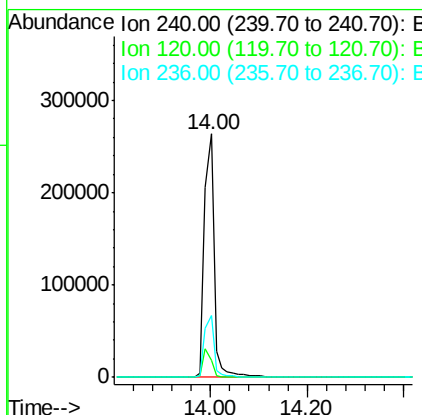
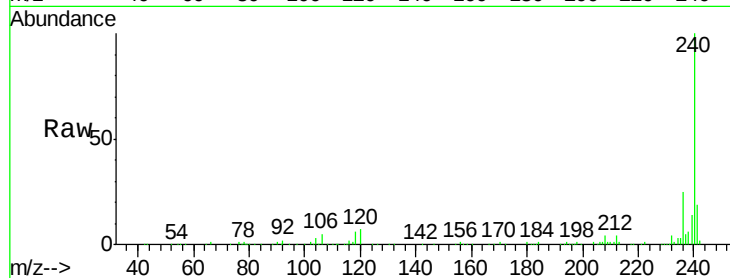




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF082412.D
 Acq: 21 Oct 2015 19:01

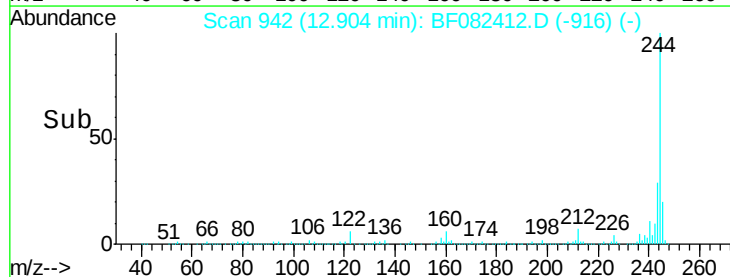
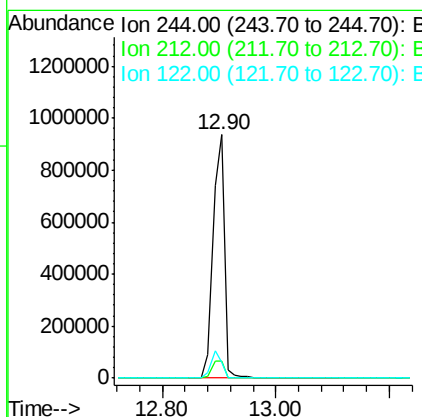
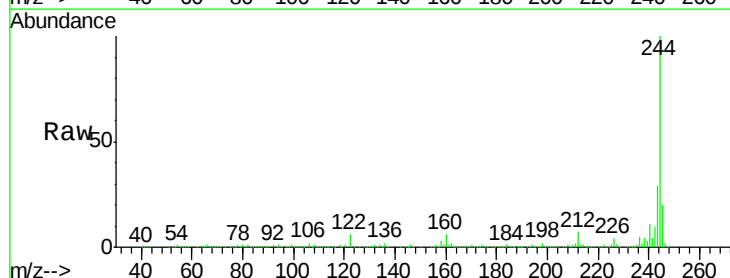
Instrument :
 BNA_F
 ClientSampleId :
 MC-MASTER-WALL-SOIL-WEST

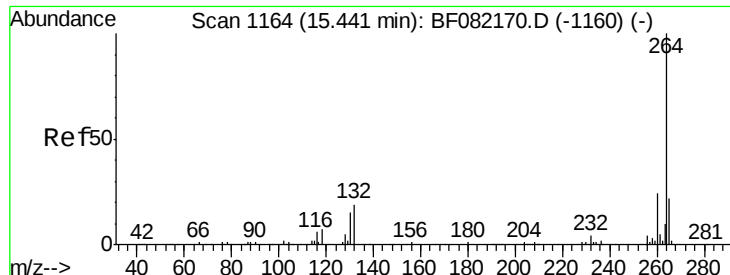
Tot Ion:240 Resp: 373129
 Ion Ratio Lower Upper
 240 100
 120 7.0 8.1 12.1#
 236 25.2 21.3 31.9



#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

Tgt Ion:244 Resp: 1264721
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 6.4 5.9 8.9



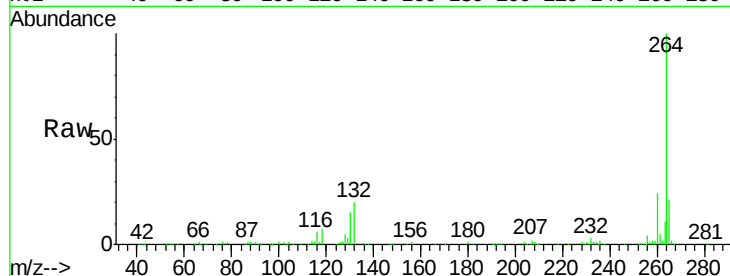


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF082412.D
Acq: 21 Oct 2015 19:01

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

Tot 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

