

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122315\
 Data File : BM003708.D
 Acq On : 22 Dec 2015 15:09
 Operator : UM/SJ
 Sample : G4888-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-SOIL-011

Quant Time: Dec 22 15:52:43 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 18:52:47 2015
 Response via : Initial Calibration

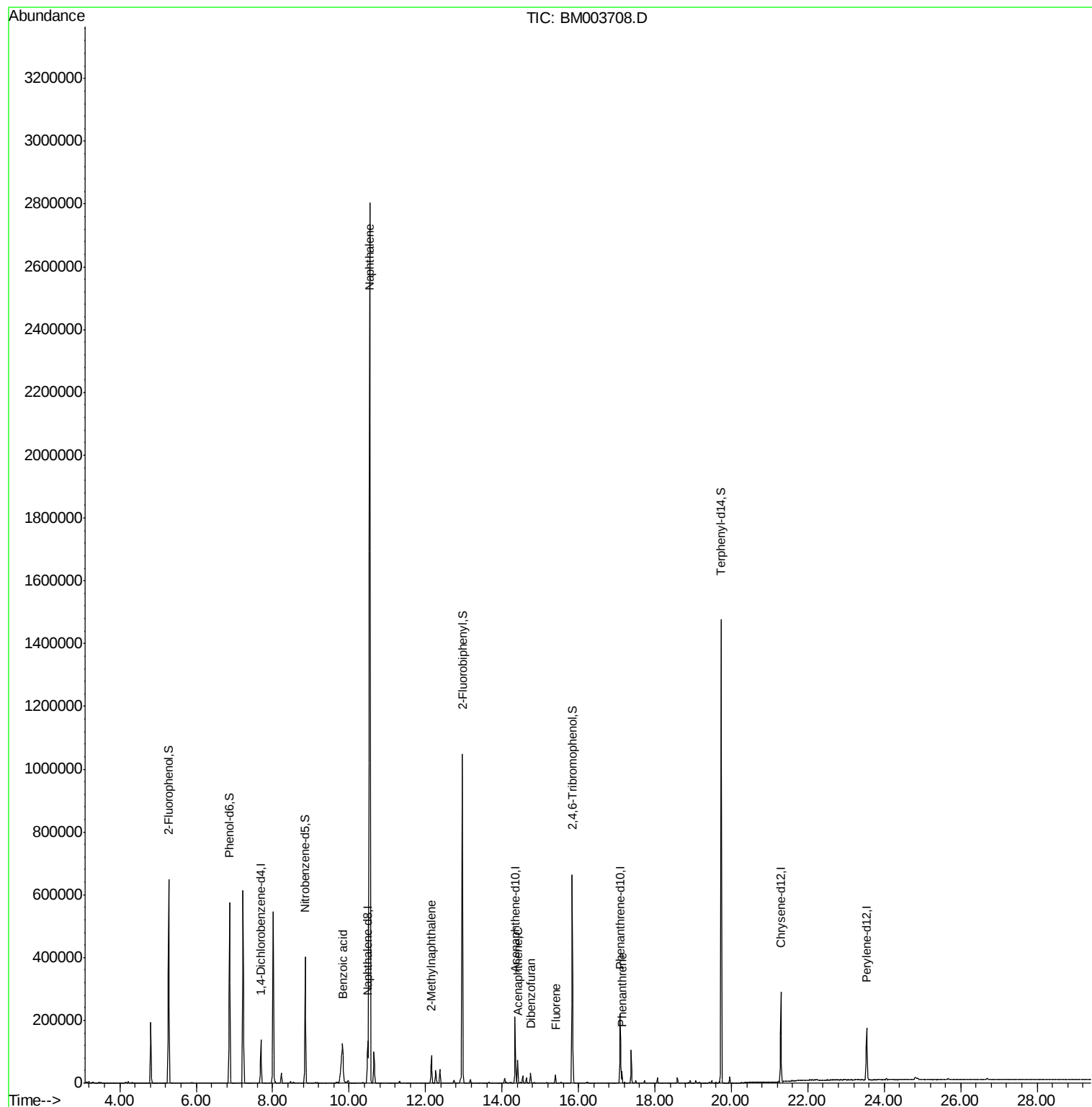
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	37149	20.00	ng	-0.03
21) Naphthalene-d8	10.49	136	127096	20.00	ng	-0.03
38) Acenaphthene-d10	14.35	164	71454	20.00	ng	-0.03
63) Phenanthrene-d10	17.09	188	132302	20.00	ng	-0.03
75) Chrysene-d12	21.30	240	136687	20.00	ng	-0.02
86) Perylene-d12	23.54	264	119666	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	286297	137.02	ng	-0.02
7) Phenol-d6	6.87	99	342047	117.89	ng	-0.02
23) Nitrobenzene-d5	8.85	82	234470	114.38	ng	-0.03
41) 2,4,6-Tribromophenol	15.84	330	105095	147.27	ng	-0.03
44) 2-Fluorobiphenyl	12.96	172	531466	101.34	ng	-0.03
78) Terphenyl-d14	19.73	244	603151	104.06	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.55	128	2622221	394.28	ng	99
32) Benzoic acid	9.83	122	101004	68.16	ng	97
37) 2-Methylnaphthalene	12.15	142	44186	9.69	ng	96
51) Acenaphthene	14.41	154	26009	5.78	ng	99
54) Dibenzofuran	14.74	168	21862	3.37	ng	92
57) Fluorene	15.40	166	14388	2.67	ng	98
70) Phenanthrene	17.14	178	23803	3.21	ng	100

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

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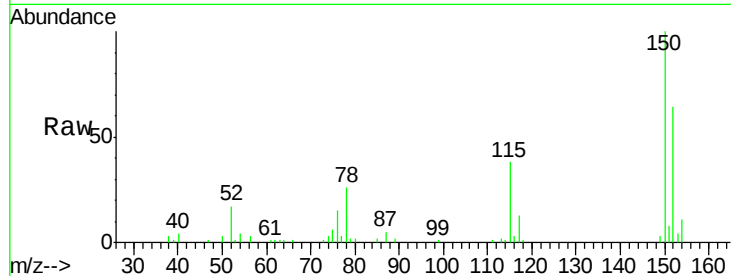




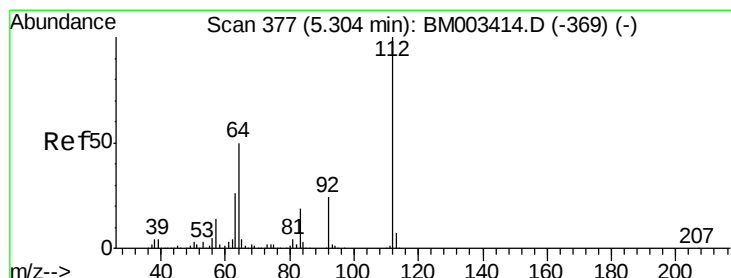
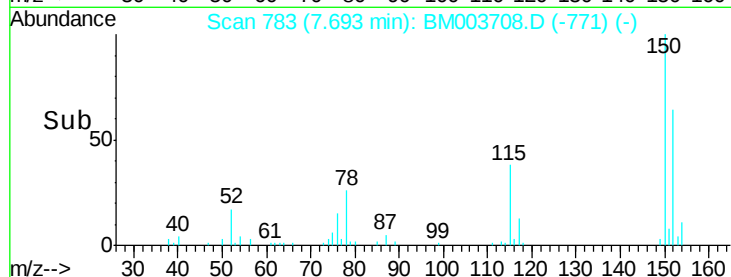
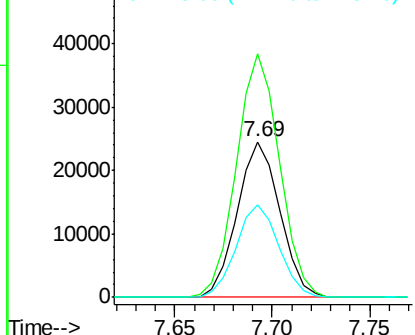
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.69 min Scan# 783
 Delta R.T. -0.03 min
 Lab File: BM003708.D
 Acq: 22 Dec 2015 15:09

Instrument :
 BNA_M
 ClientSampleId :
 WC-SOIL-011

Tot Ion:152 Resp: 37149
 Ion Ratio Lower Upper
 152 100
 150 156.5 119.5 179.3
 115 59.5 43.0 64.4

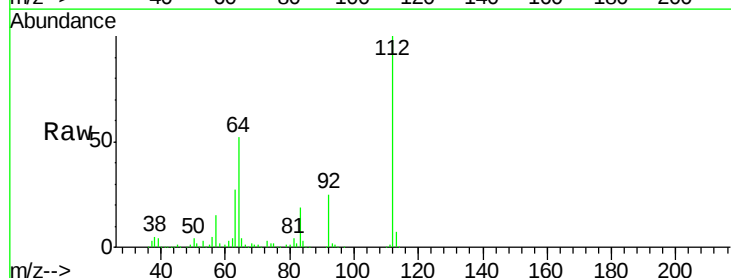


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

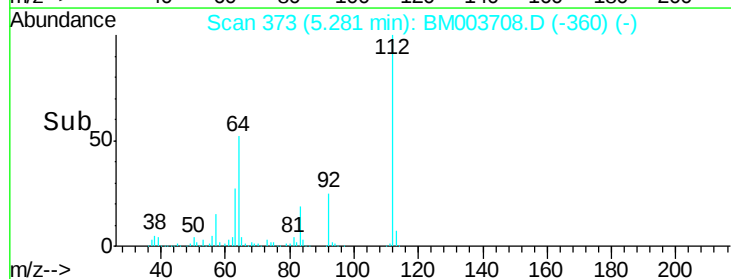
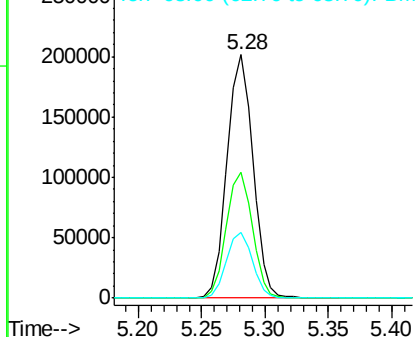


#5
 2-Fluorophenol
 Concen: 137.02 ng
 RT: 5.28 min Scan# 373
 Delta R.T. -0.02 min
 Lab File: BM003708.D
 Acq: 22 Dec 2015 15:09

Tgt Ion:112 Resp: 286297
 Ion Ratio Lower Upper
 112 100
 64 51.7 38.6 57.8
 63 27.0 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BM0
 Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 117.89 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

Instrument :

BNA_M

ClientSampleId :

WC-SOIL-011

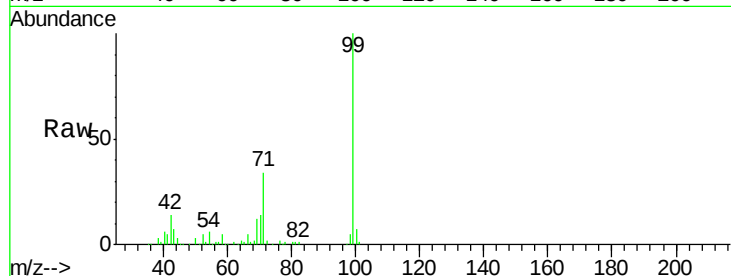
Tot Ion: 99 Resp: 342047

Ion Ratio Lower Upper

99 100

42 14.2 11.0 16.4

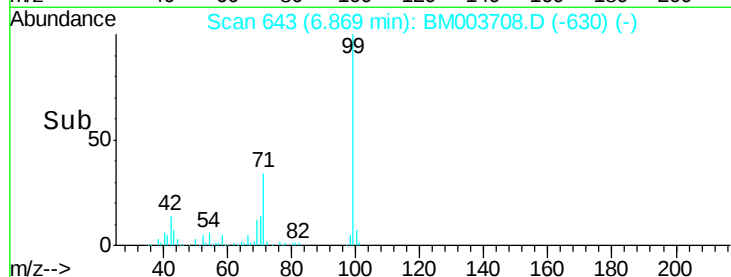
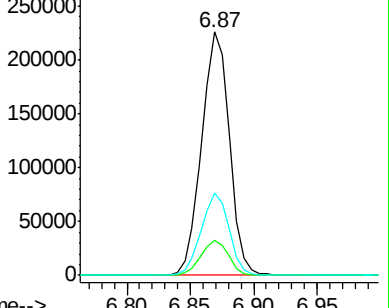
71 33.9 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003708.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM003708.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM003708.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.49 min Scan# 1258

Delta R.T. -0.03 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

Tgt Ion: 136 Resp: 127096

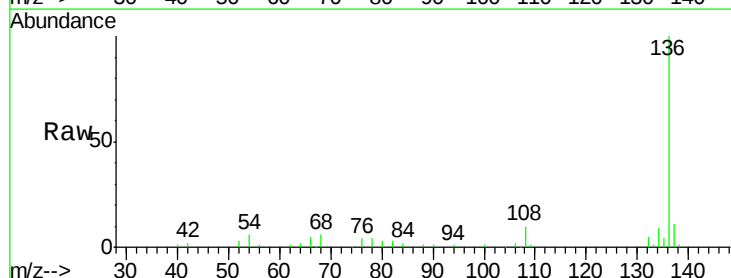
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.0 4.6 6.8

68 5.8 3.7 5.5#

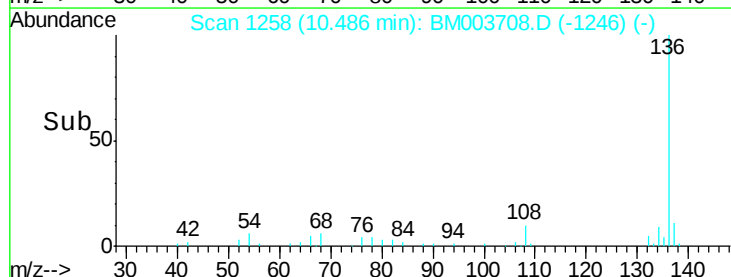
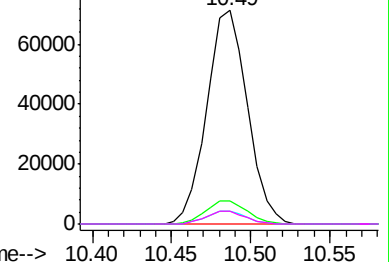


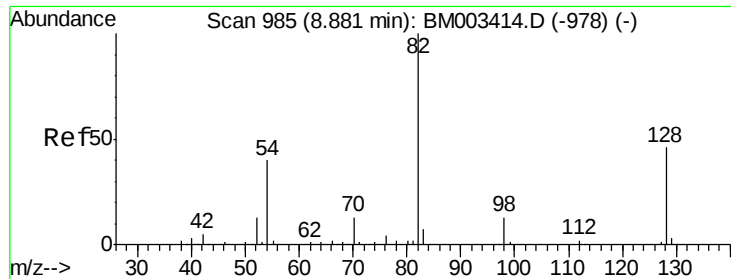
Abundance Ion 136.00 (135.70 to 136.70): BM003708.D (-1246) (-)

Ion 137.00 (136.70 to 137.70): BM003708.D (-1246) (-)

Ion 54.00 (53.70 to 54.70): BM003708.D (-1246) (-)

Ion 68.00 (67.70 to 68.70): BM003708.D (-1246) (-)

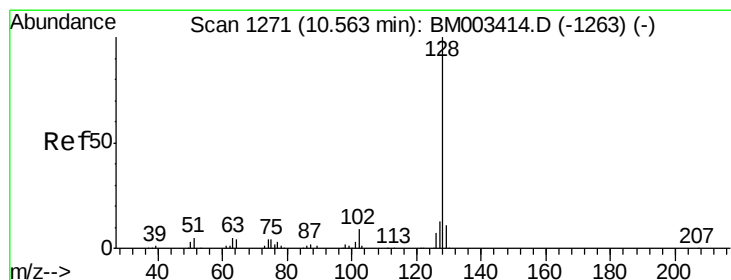
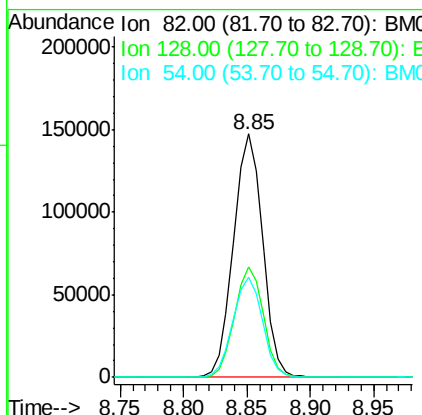
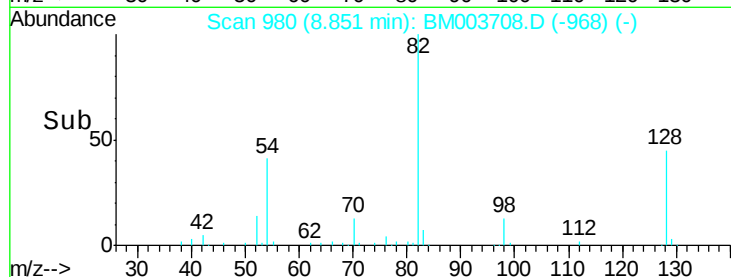
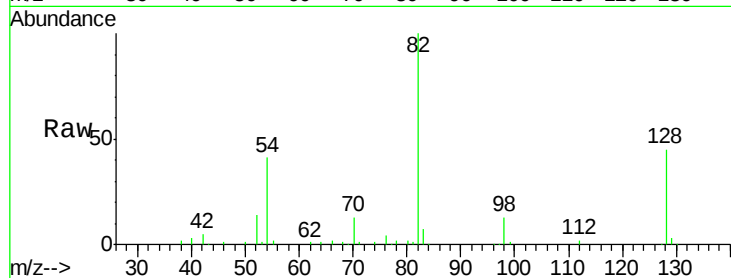




#23
Nitrobenzene-d5
Concen: 114.38 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

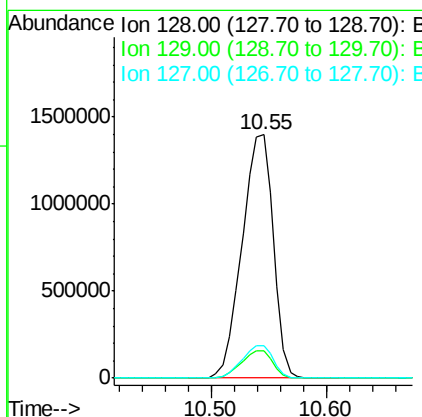
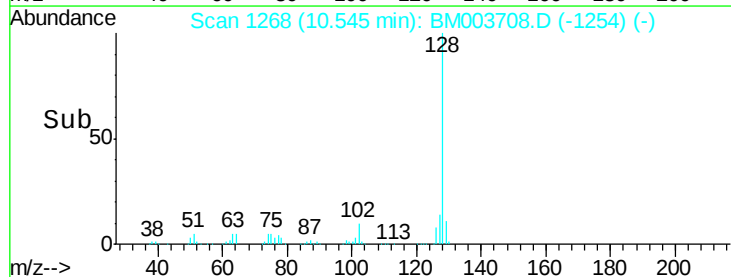
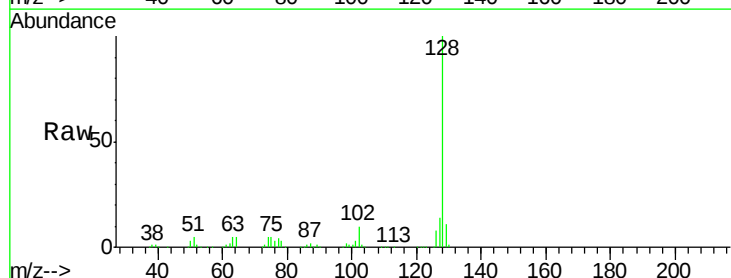
Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

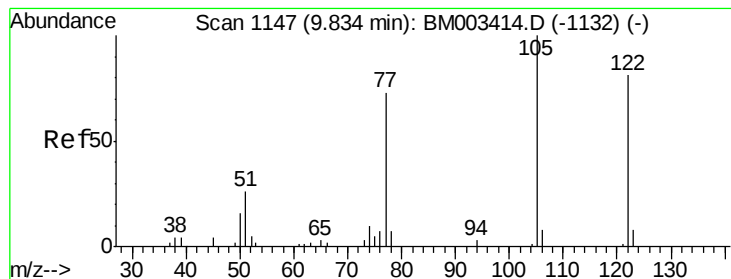
Tot Ion	82	Resp	234470
Ion Ratio	100	Lower	Upper
128	45.1	32.8	49.2
54	41.0	40.6	60.8



#31
Naphthalene
Concen: 394.28 ng
RT: 10.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion	128	Resp	2622221
Ion Ratio	100	Lower	Upper
129	11.0	8.9	13.3
127	13.5	10.4	15.6





#32

Benzoic acid

Concen: 68.16 ng

RT: 9.83 min Scan# 1147

Delta R.T. 0.00 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

Instrument :

BNA_M

ClientSampleId :

WC-SOIL-011

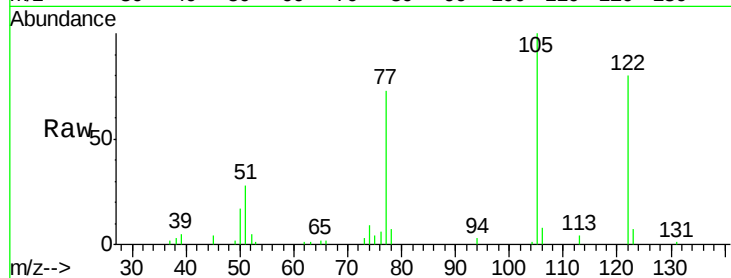
Tot Ion:122 Resp: 101004

Ion Ratio Lower Upper

122 100

105 124.7 99.9 139.9

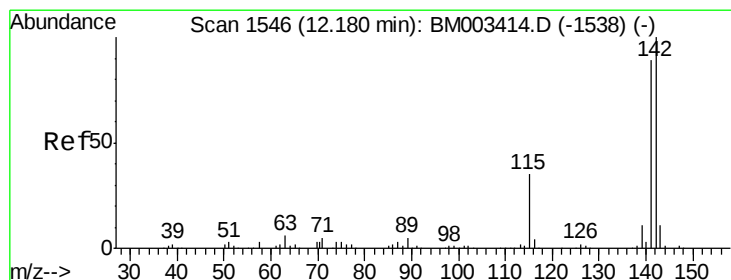
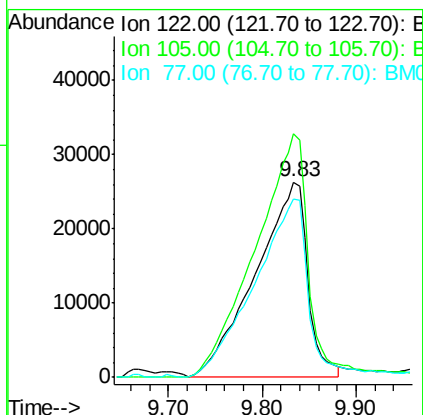
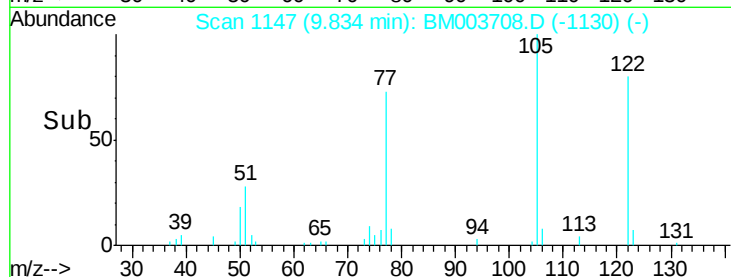
77 91.5 73.7 113.7



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): B



#37

2-Methylnaphthalene

Concen: 9.69 ng

RT: 12.15 min Scan# 1541

Delta R.T. -0.03 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

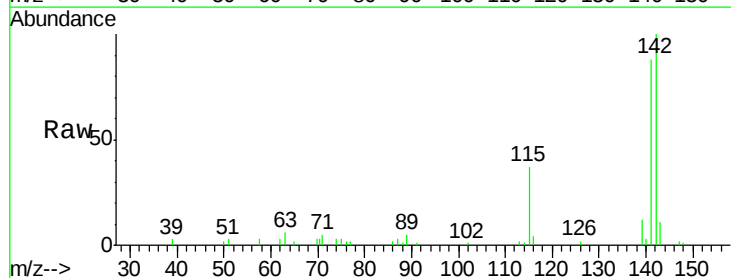
Tgt Ion:142 Resp: 44186

Ion Ratio Lower Upper

142 100

141 87.7 71.9 107.9

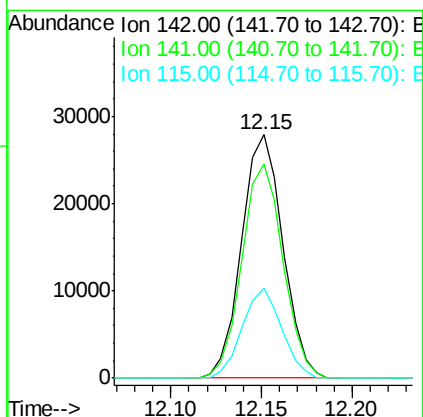
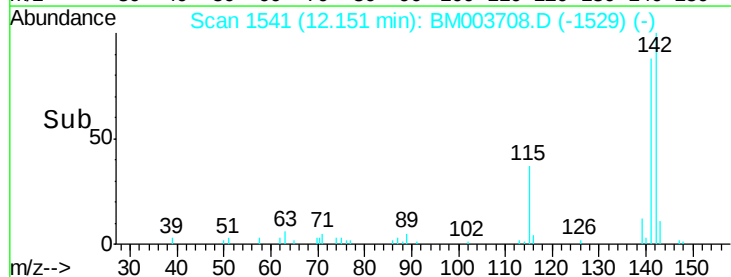
115 37.1 25.4 38.0

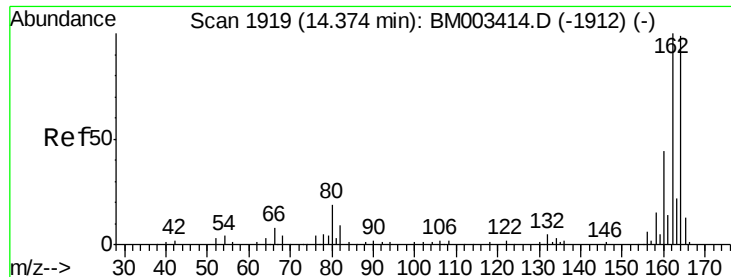


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.35 min Scan# 1914

Delta R.T. -0.03 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

Instrument :

BNA_M

ClientSampleId :

WC-SOIL-011

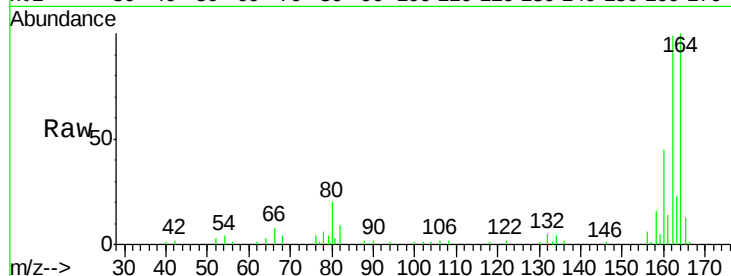
Tot Ion:164 Resp: 71454

Ion Ratio Lower Upper

164 100

162 99.5 82.4 123.6

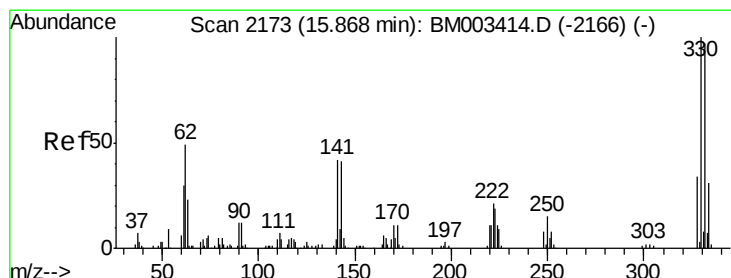
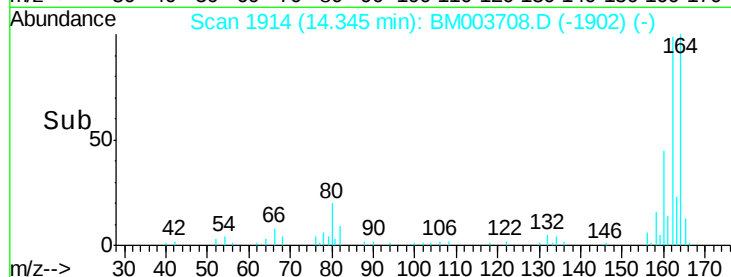
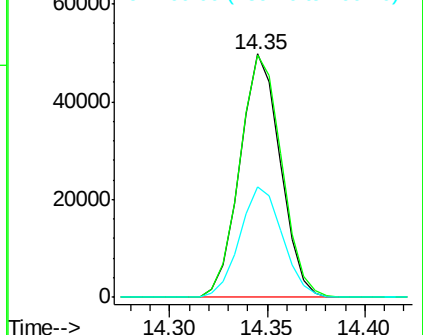
160 45.3 35.8 53.6



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: 147.27 ng

RT: 15.84 min Scan# 2168

Delta R.T. -0.03 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

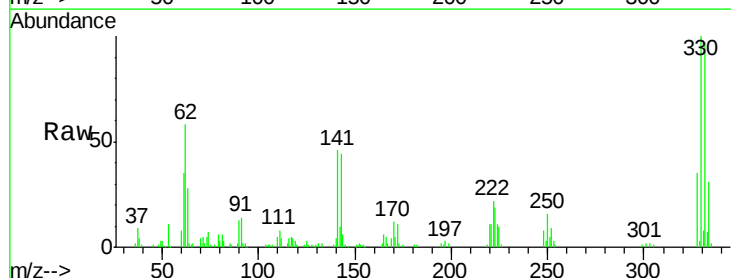
Tgt Ion:330 Resp: 105095

Ion Ratio Lower Upper

330 100

332 96.6 0.0 0.0#

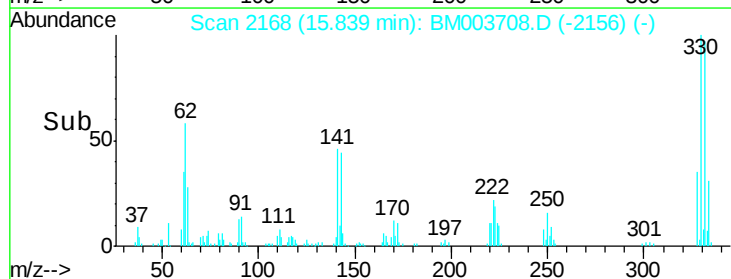
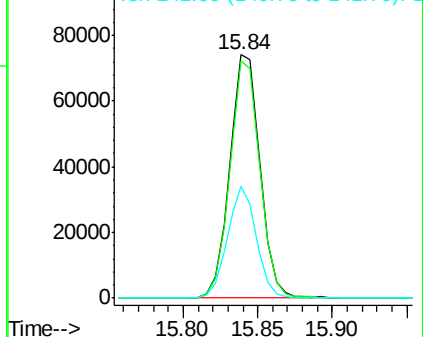
141 43.8 0.0 0.0#

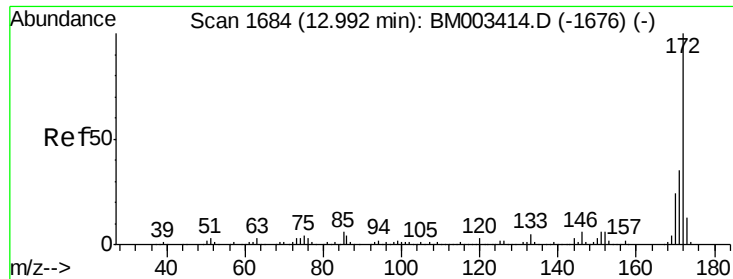


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

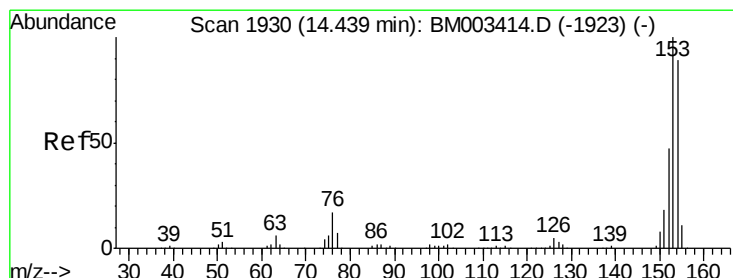
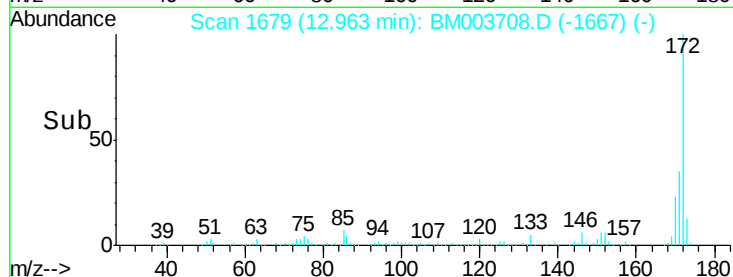
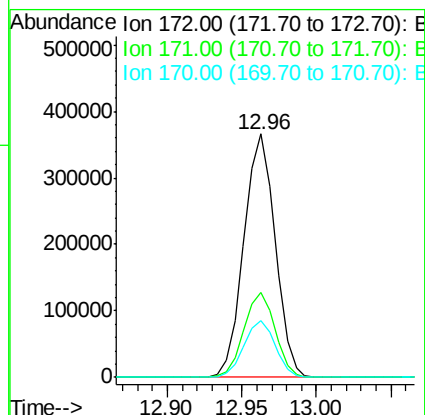
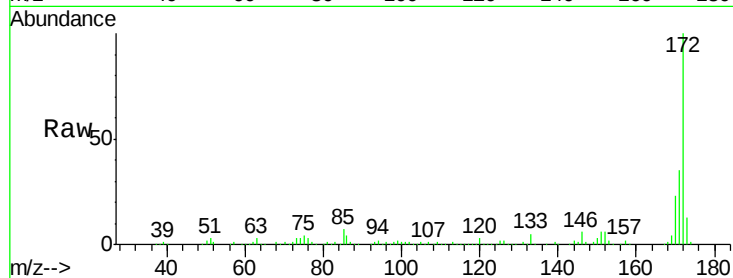




#44
2-Fluorobiphenyl
Concen: 101.34 ng
RT: 12.96 min Scan# 1679
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

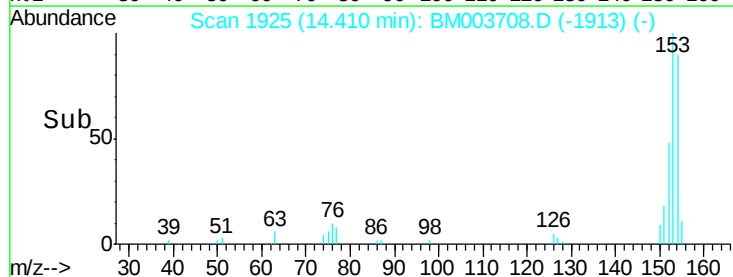
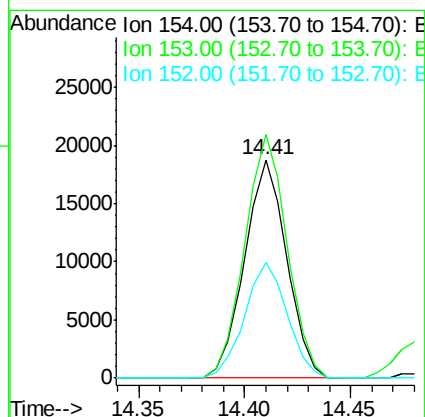
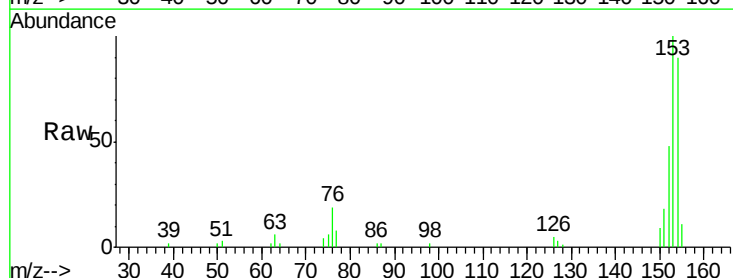
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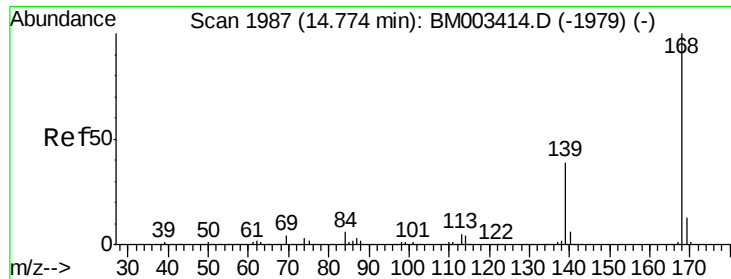
Tot Ion:172 Resp: 531466
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.5 18.8 28.2



#51
Acenaphthene
Concen: 5.78 ng
RT: 14.41 min Scan# 1925
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:154 Resp: 26009
Ion Ratio Lower Upper
154 100
153 111.4 90.0 135.0
152 53.1 42.6 63.8





#54

Dibenzenofuran

Concen: 3.37 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

Instrument :

BNA_M

ClientSampleId :

WC-SOIL-011

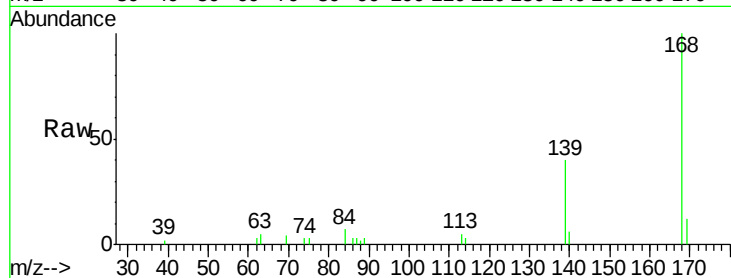
Tot Ion:168 Resp: 21862

Ion Ratio Lower Upper

168 100

139 40.1 27.3 40.9

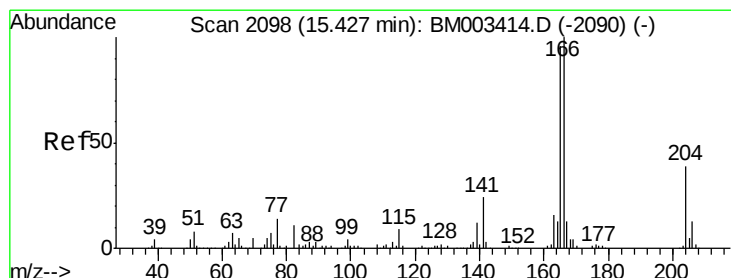
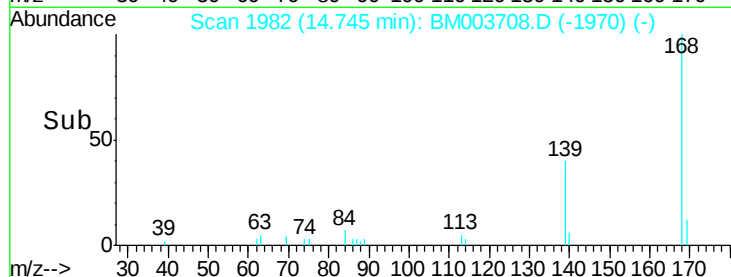
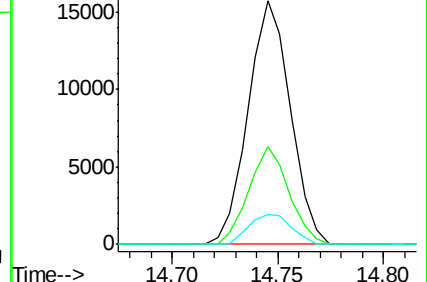
169 12.1 10.6 16.0



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: 2.67 ng

RT: 15.40 min Scan# 2093

Delta R.T. -0.03 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

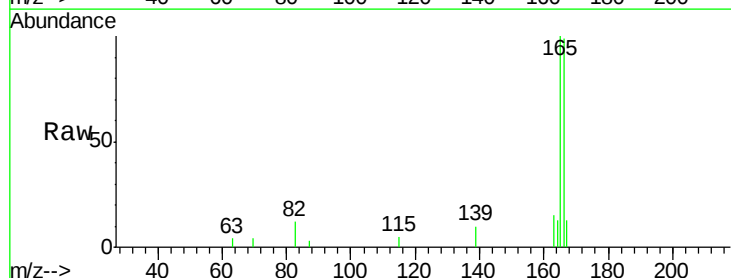
Tgt Ion:166 Resp: 14388

Ion Ratio Lower Upper

166 100

165 101.3 79.0 118.4

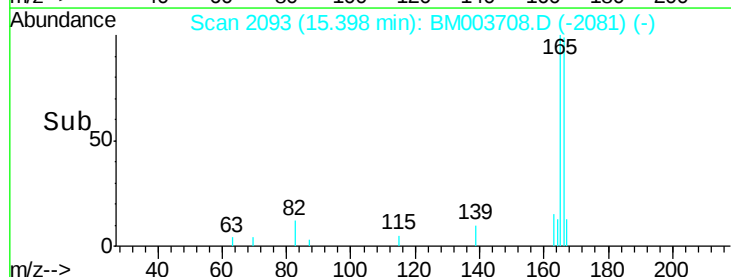
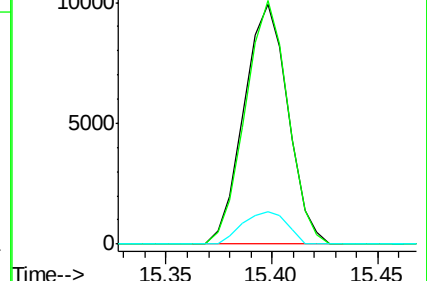
167 13.3 10.3 15.5

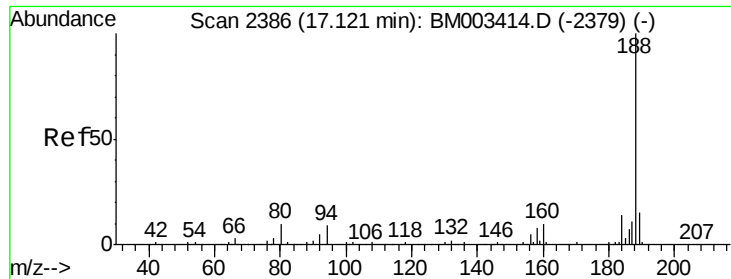


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

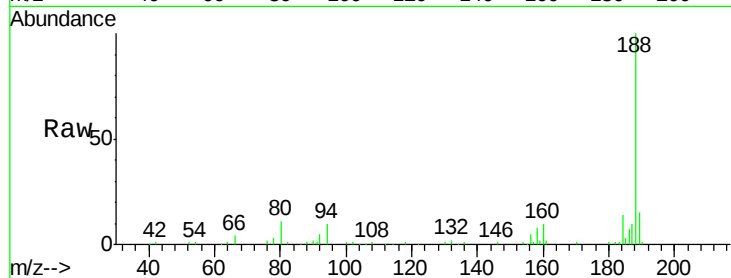




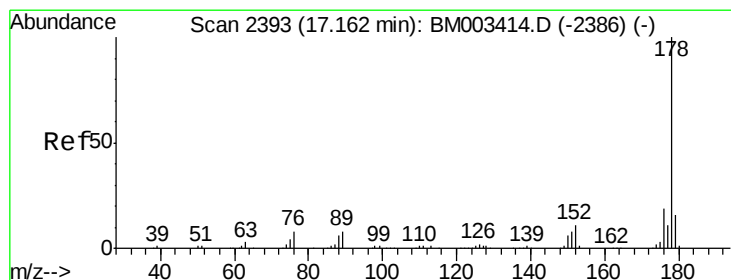
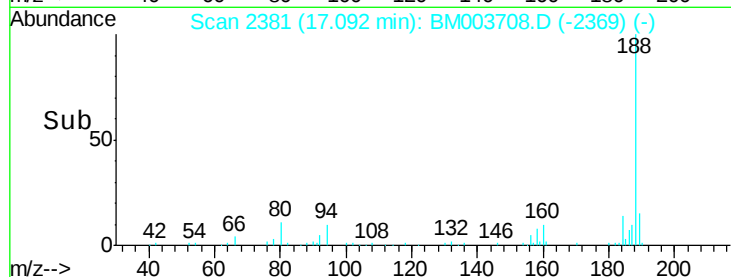
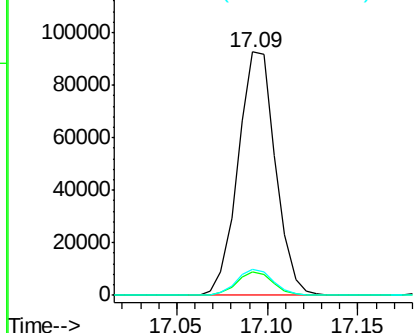
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.09 min Scan# 2381
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.7	13.1
80	10.6	9.3	13.9

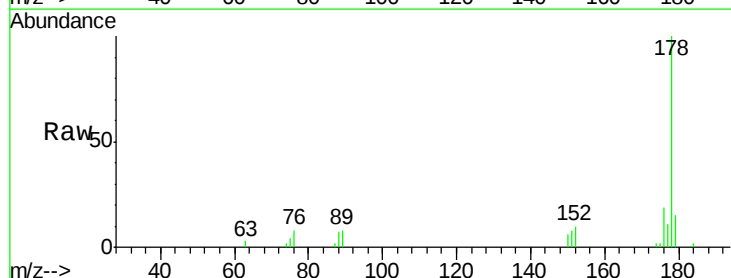


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

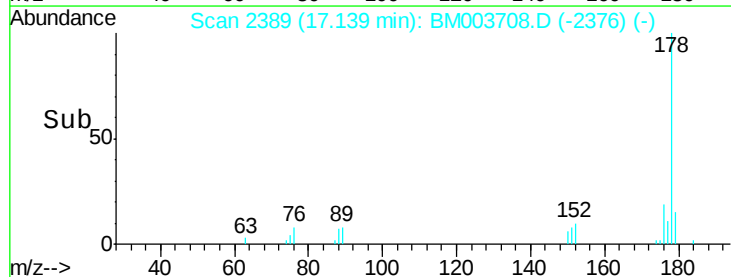
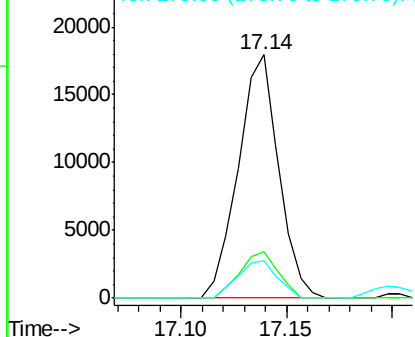


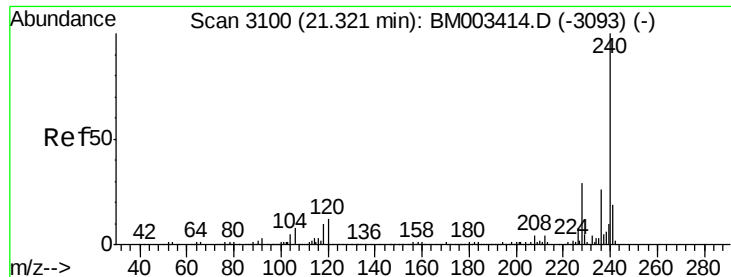
#70
Phenanthrene
Concen: 3.21 ng
RT: 17.14 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.4	12.1	18.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.30 min Scan# 3096

Delta R.T. -0.02 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

Instrument :

BNA_M

ClientSampleId :

WC-SOIL-011

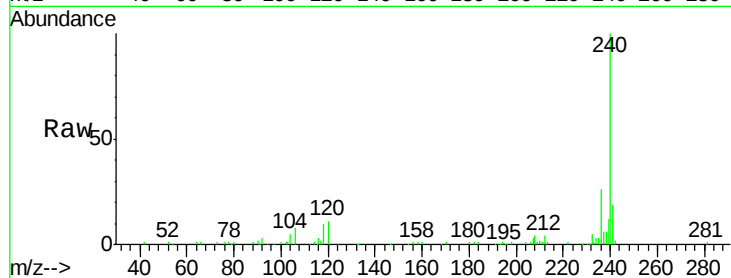
Tot Ion:240 Resp: 136687

Ion Ratio Lower Upper

240 100

120 11.3 8.2 12.2

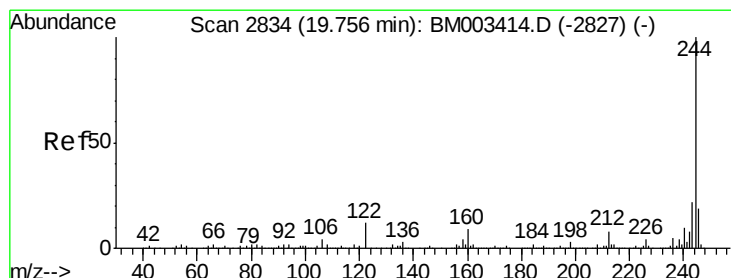
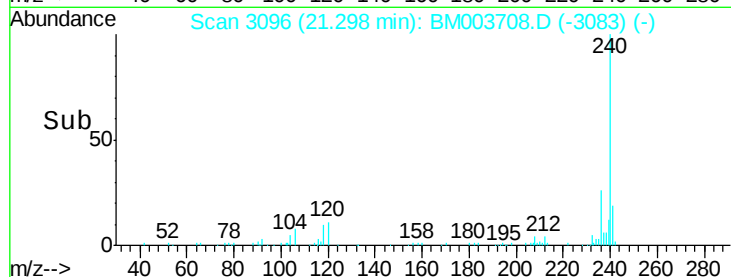
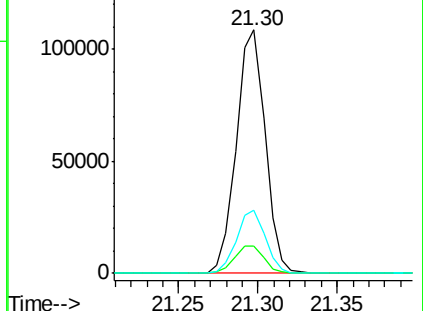
236 25.9 20.0 30.0



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: 104.06 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BM003708.D

Acq: 22 Dec 2015 15:09

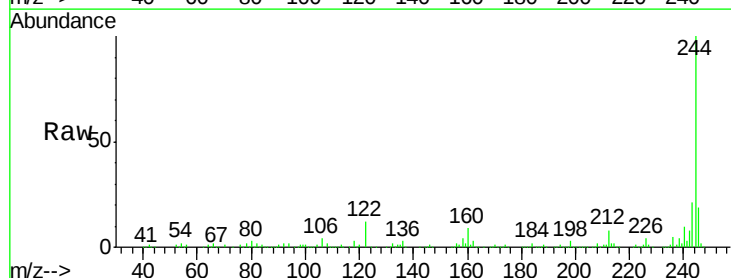
Tgt Ion:244 Resp: 603151

Ion Ratio Lower Upper

244 100

212 8.1 4.9 7.3#

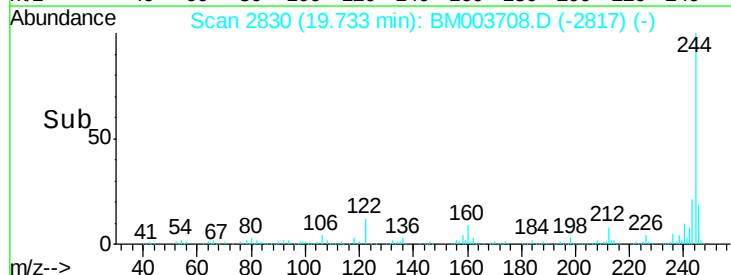
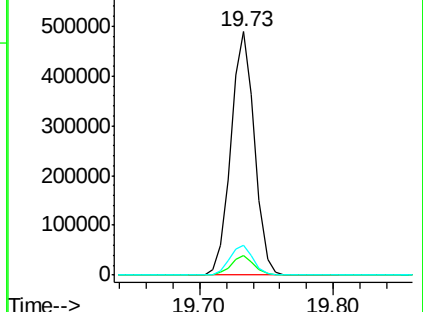
122 12.1 6.2 9.4#

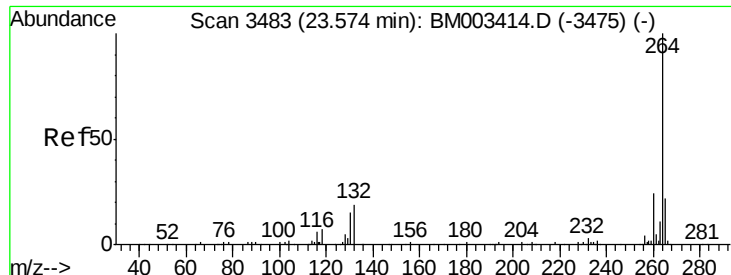


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

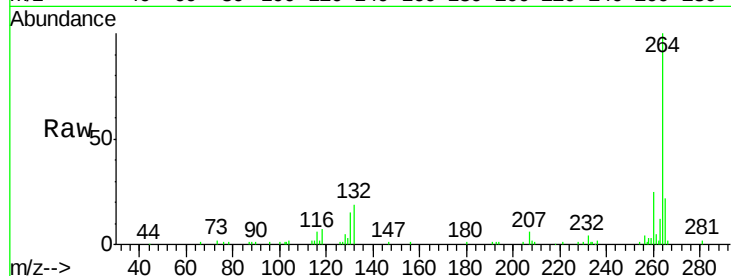




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 23.54 min Scan# 3477
 Delta R.T. -0.04 min
 Lab File: BM003708.D
 Acq: 22 Dec 2015 15:09

Instrument :
 BNA_M
 ClientSampleId :
 WC-SOIL-011

Tot Ion:	264	Resp:	119666
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.6	27.8
265	21.9	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

