

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050615\
 Data File : BM001236.D
 Acq On : 07 May 2015 03:14
 Operator : TP/IZ
 Sample : G2078-15 50X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 07 07:25:38 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-ACID-BM050615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 07:00:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	10246	5.00	ng	0.00
9) Naphthalene-d8	10.26	136	30230	5.00	ng	0.00
16) Acenaphthene-d10	14.15	164	16180	5.00	ng	0.00
23) Phenanthrene-d10	16.90	188	30118	5.00	ng	0.00
27) Chrysene-d12	21.09	240	35193	5.00	ng	0.00
29) Perylene-d12	23.23	264	31516	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	5536	3.31	ng	0.00
4) Phenol-d6	6.65	99	8363	3.14	ng	0.00
10) Nitrobenzene-d5	8.61	82	3690	1.85	ng	0.00
17) 2,4,6-Tribromophenol	15.64	330	1947	2.32	ng	0.00
20) 2-Fluorobiphenyl	12.76	172	11665	2.31	ng	0.00
28) Terphenyl-d14	19.55	244	9626	2.08	ng	0.00

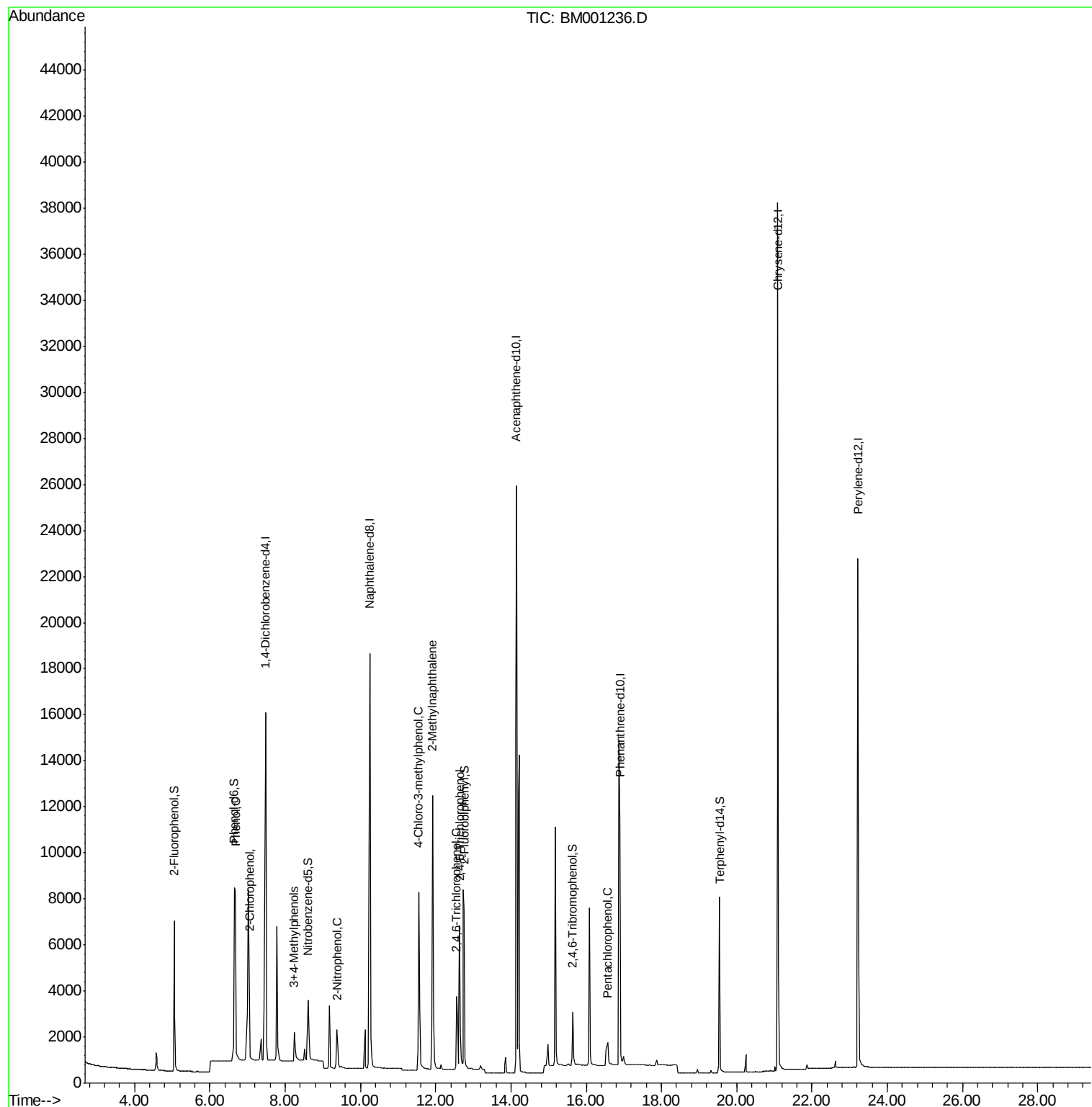
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) 2-Chlorophenol	7.05	128	8421	5.78	ng	98
6) Phenol	6.68	94	10866	4.79	ng	88
8) 3+4-Methylphenols	8.24	107	1558	0.95	ng	# 38
11) 2-Nitrophenol	9.39	139	2128	2.53	ng	# 90
14) 4-Chloro-3-methylphenol	11.55	107	7167	3.77	ng	# 86
15) 2-Methylnaphthalene	11.92	142	9245	2.14	ng	98
18) 2,4,6-Trichlorophenol	12.56	196	2959	2.11	ng	95
19) 2,4,5-Trichlorophenol	12.64	196	5212	3.17	ng	90
26) Pentachlorophenol	16.56	266	1324	2.07	ng	99

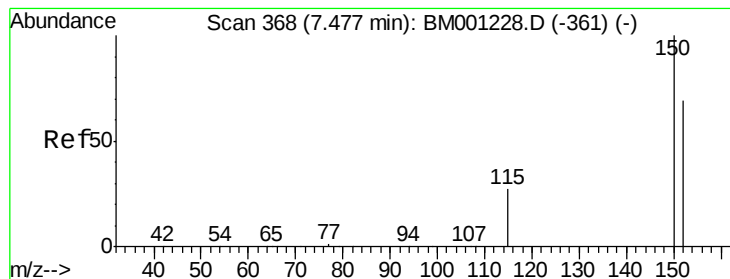
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.48 min Scan# 368

Delta R.T. -0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

Instrument :

BNA_M

ClientSampled :

PT-BNA-SOIL

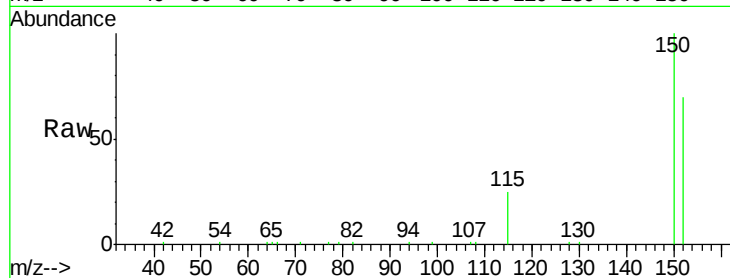
Tot Ion:152 Resp: 10246

Ion Ratio Lower Upper

152 100

150 143.3 116.3 174.5

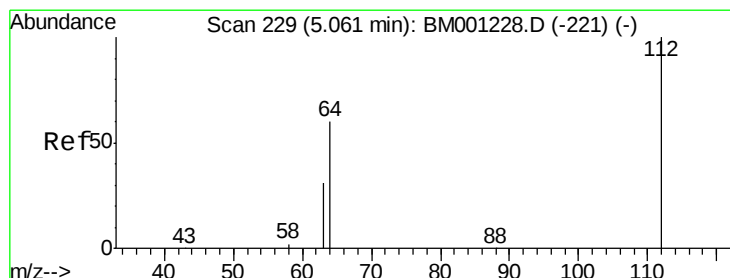
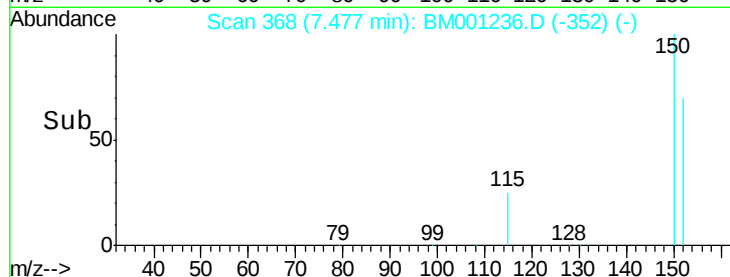
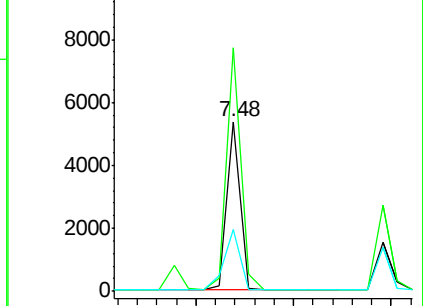
115 36.5 31.9 47.9



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



#3

2-Fluorophenol

Concen: 3.31 ng

RT: 5.06 min Scan# 229

Delta R.T. -0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

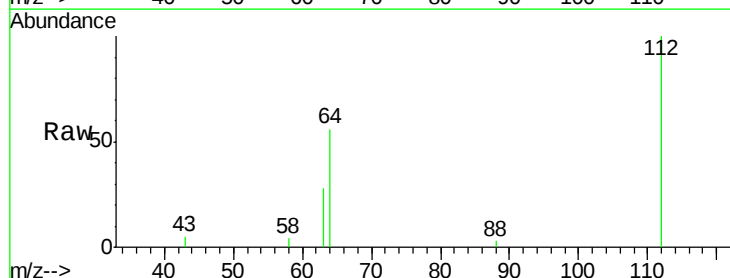
Tgt Ion:112 Resp: 5536

Ion Ratio Lower Upper

112 100

64 55.6 49.3 73.9

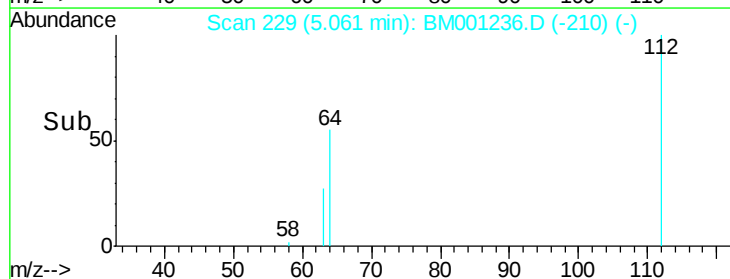
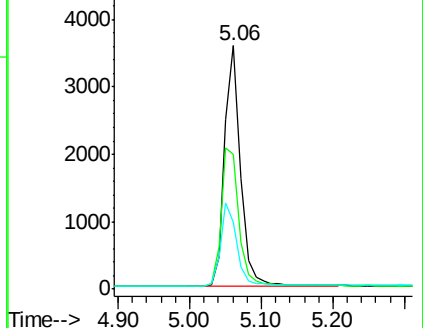
63 27.8 26.2 39.4

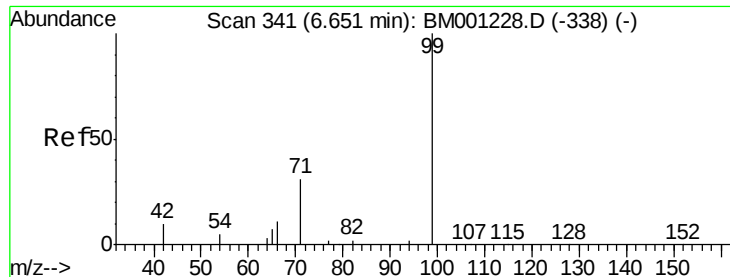


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#4

Phenol-d6

Concen: 3.14 ng

RT: 6.65 min Scan# 341

Delta R.T. 0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

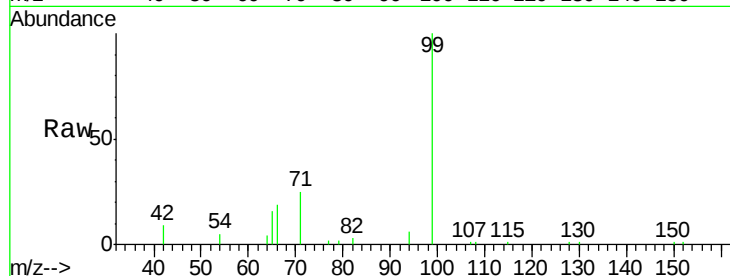
Tot Ion: 99 Resp: 8363

Ion Ratio Lower Upper

99 100

42 9.1 12.1 18.1#

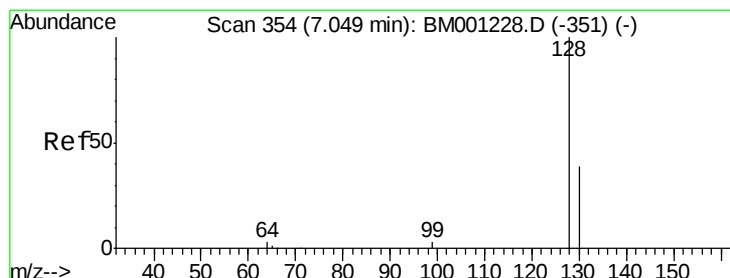
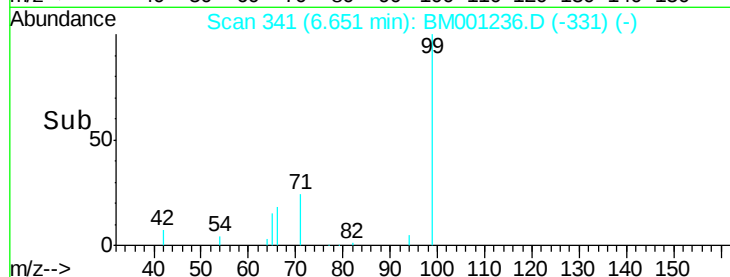
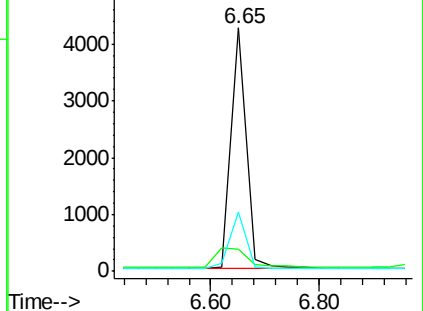
71 24.5 26.4 39.6#



Abundance Ion 99.00 (98.70 to 99.70): BM001228.D (-338) (-)

Ion 42.00 (41.70 to 42.70): BM001228.D (-338) (-)

Ion 71.00 (70.70 to 71.70): BM001228.D (-338) (-)



#5

2-Chlorophenol

Concen: 5.78 ng

RT: 7.05 min Scan# 354

Delta R.T. -0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

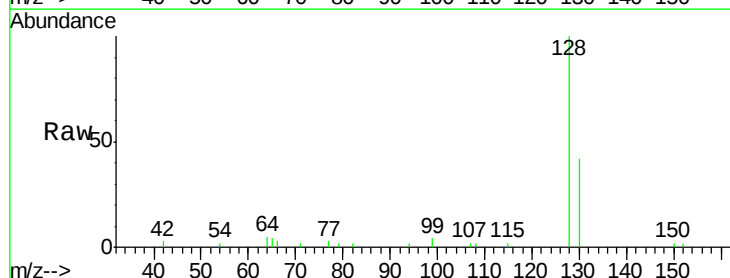
Tgt Ion: 128 Resp: 8421

Ion Ratio Lower Upper

128 100

130 41.9 22.2 62.2

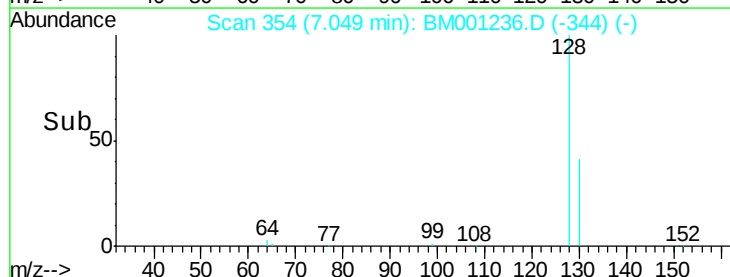
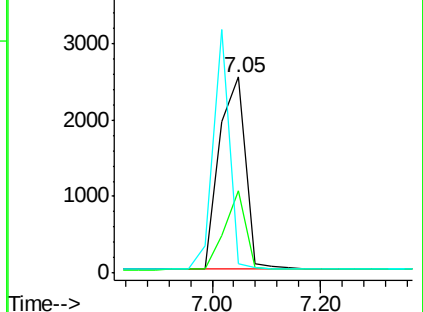
64 4.7 0.0 28.7

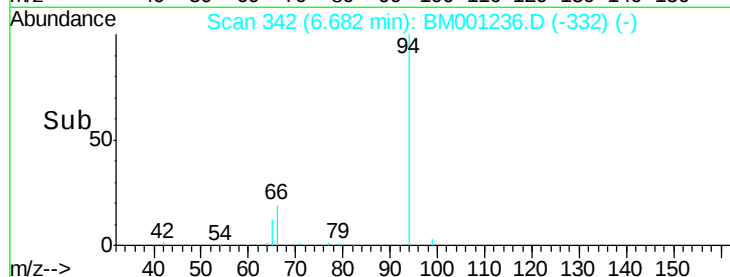
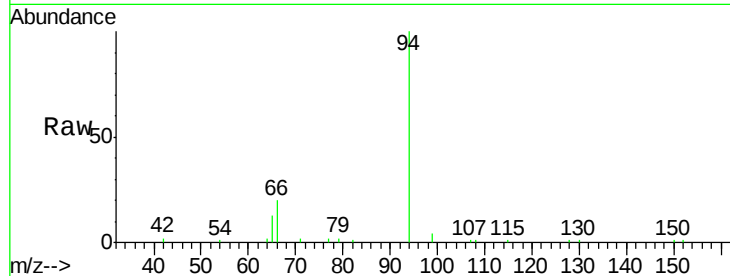
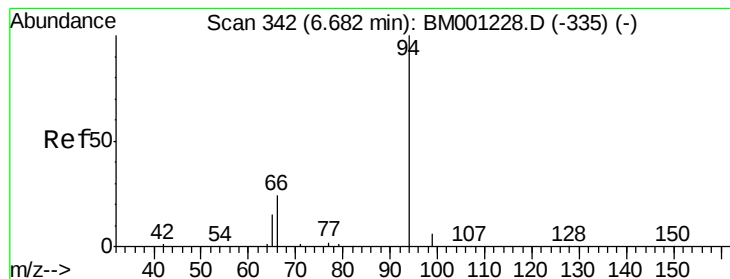


Abundance Ion 128.00 (127.70 to 128.70): BM001228.D (-351) (-)

Ion 130.00 (129.70 to 130.70): BM001228.D (-351) (-)

Ion 64.00 (63.70 to 64.70): BM001228.D (-351) (-)





#6

Phenol

Concen: 4.79 ng

RT: 6.68 min Scan# 342

Delta R.T. -0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

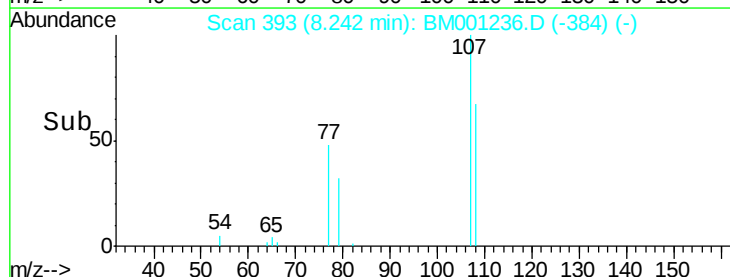
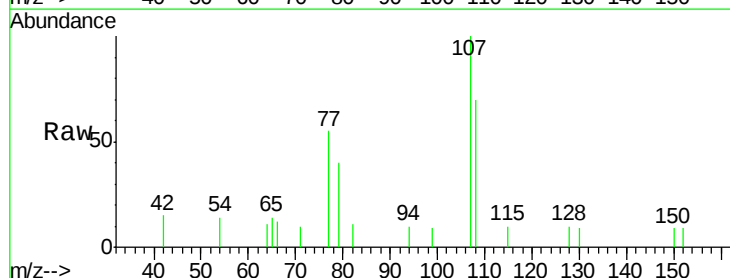
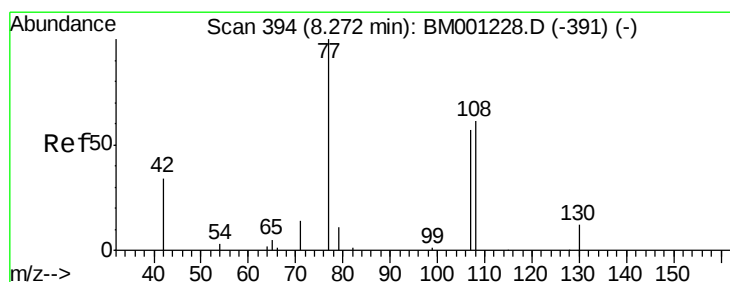
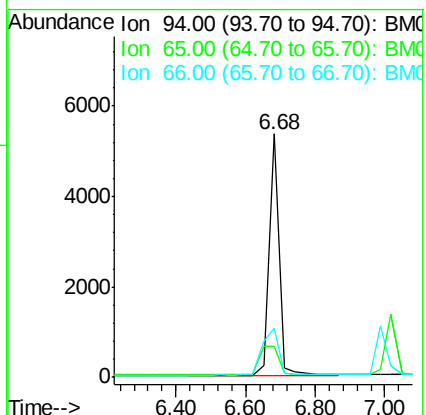
Tot Ion: 94 Resp: 10866

Ion Ratio Lower Upper

94 100

65 12.9 0.0 37.7

66 19.9 6.3 46.3



#8

3+4-Methylphenols

Concen: 0.95 ng

RT: 8.24 min Scan# 393

Delta R.T. -0.03 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

Tgt Ion: 107 Resp: 1558

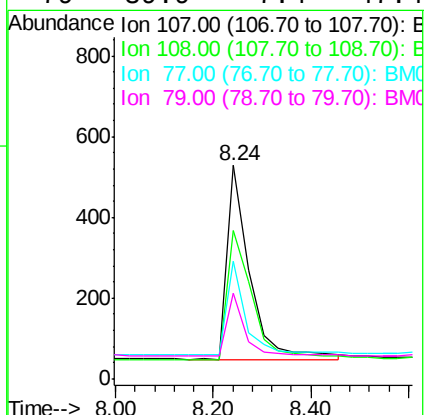
Ion Ratio Lower Upper

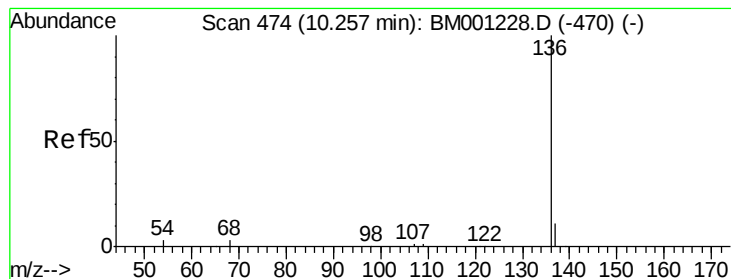
107 100

108 69.6 86.3 126.3#

77 54.8 151.7 191.7#

79 39.9 7.4 47.4





#9

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 474

Delta R.T. -0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

Tot Ion:136 Resp: 30230

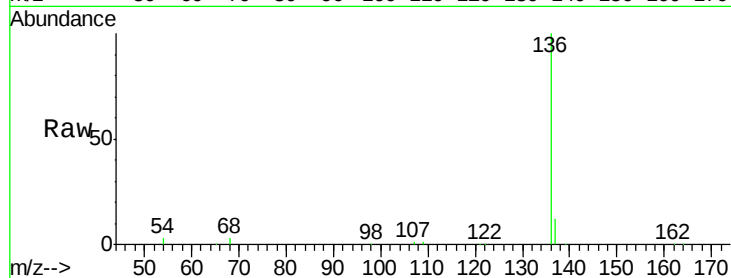
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 3.4 2.6 3.8

68 3.0 2.2 3.2

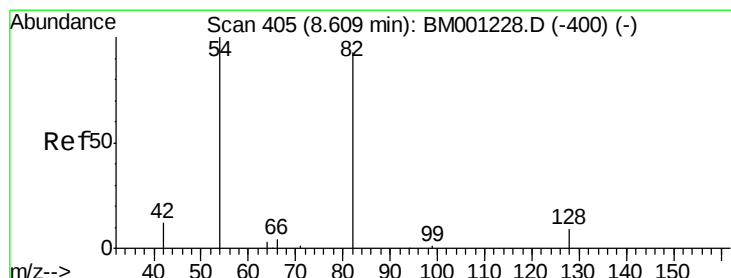
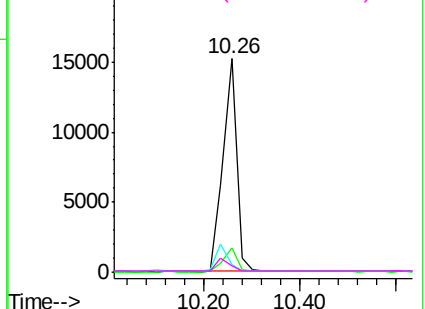
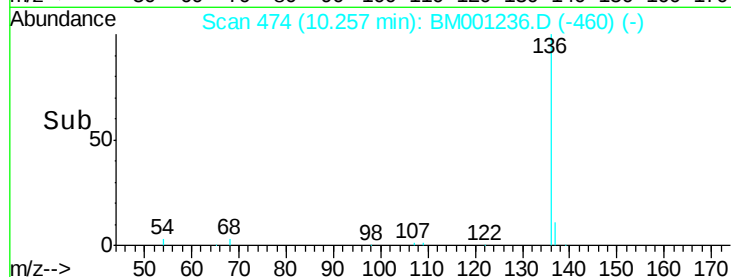


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#10

Nitrobenzene-d5

Concen: 1.85 ng

RT: 8.61 min Scan# 405

Delta R.T. 0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

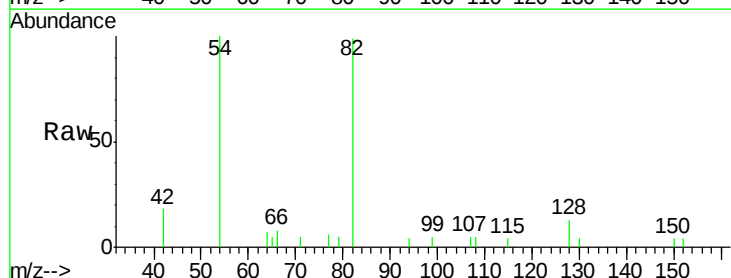
Tgt Ion: 82 Resp: 3690

Ion Ratio Lower Upper

82 100

128 0.0 0.0 0.0

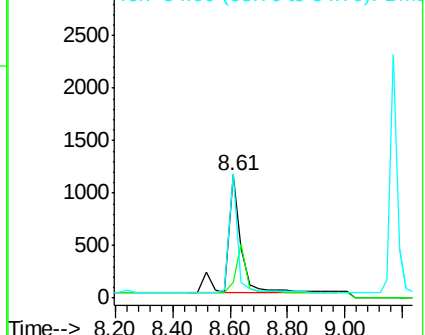
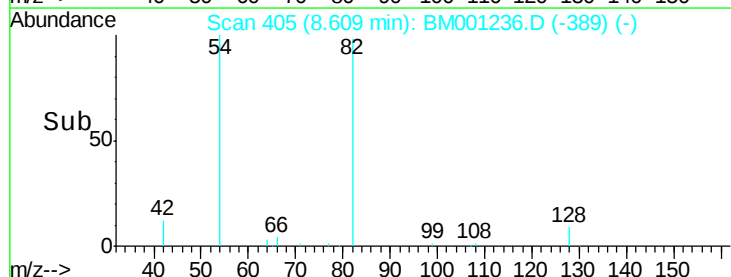
54 68.8 59.0 88.6

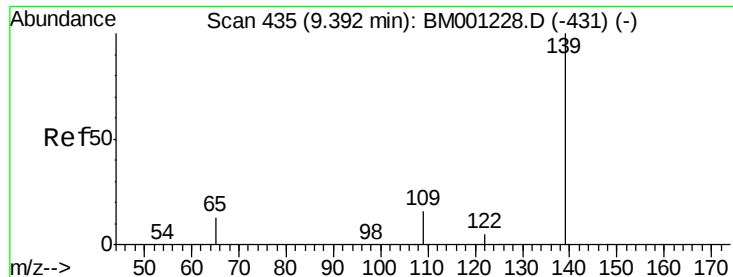


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

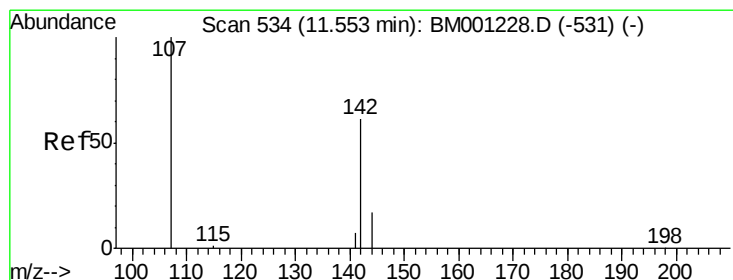
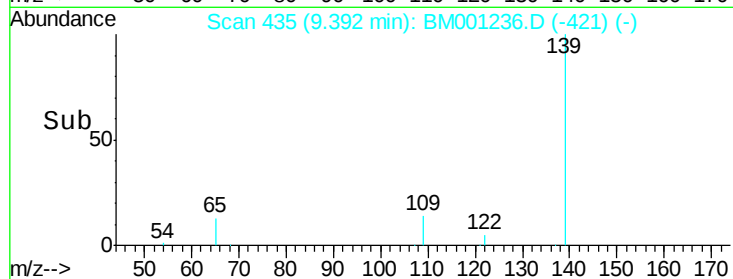
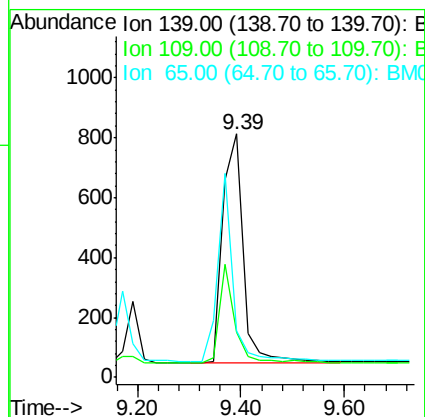
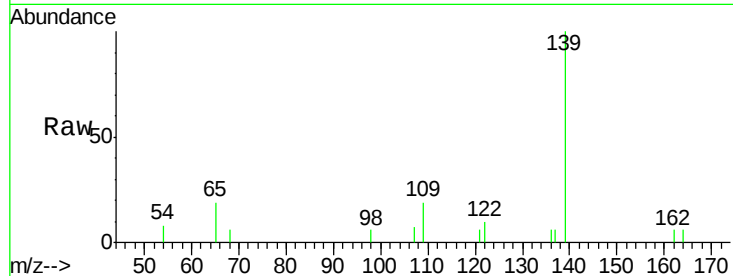




#11
2-Nitrophenol
Concen: 2.53 ng
RT: 9.39 min Scan# 435
Delta R.T. 0.00 min
Lab File: BM001236.D
Acq: 07 May 2015 03:14

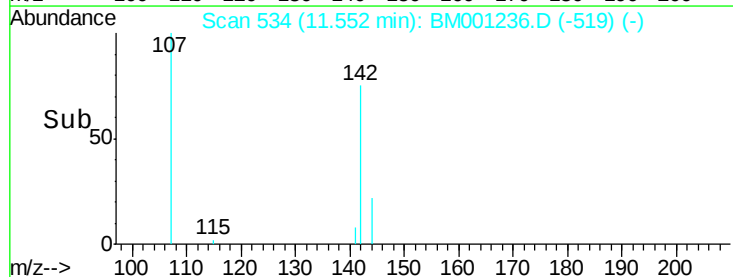
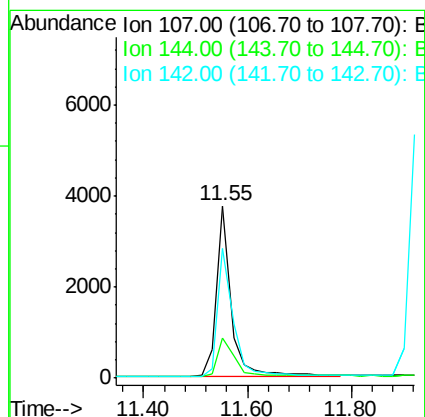
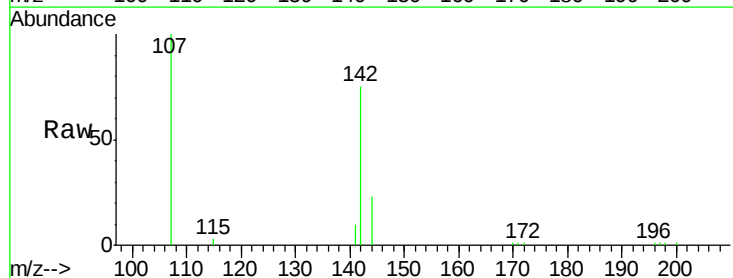
Instrument :
BNA_M
ClientSampled :
PT-BNA-SOIL

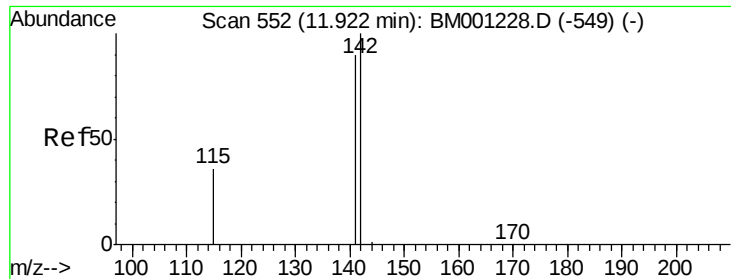
Tot Ion:139 Resp: 2128
Ion Ratio Lower Upper
139 100
109 18.7 19.5 29.3#
65 19.1 18.6 28.0



#14
4-Chloro-3-methylphenol
Concen: 3.77 ng
RT: 11.55 min Scan# 534
Delta R.T. 0.00 min
Lab File: BM001236.D
Acq: 07 May 2015 03:14

Tgt Ion:107 Resp: 7167
Ion Ratio Lower Upper
107 100
144 22.9 16.2 24.2
142 75.1 49.8 74.6#





#15

2-Methylnaphthalene

Concen: 2.14 ng

RT: 11.92 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

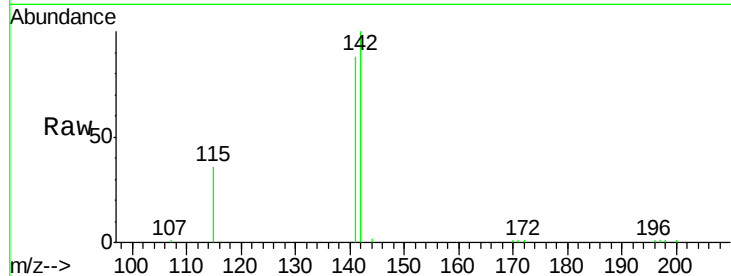
Tot Ion:142 Resp: 9245

Ion Ratio Lower Upper

142 100

141 87.6 71.4 107.0

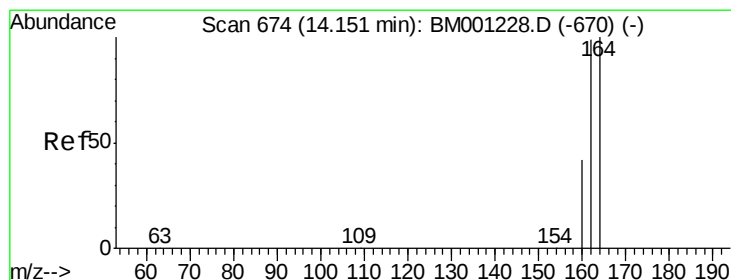
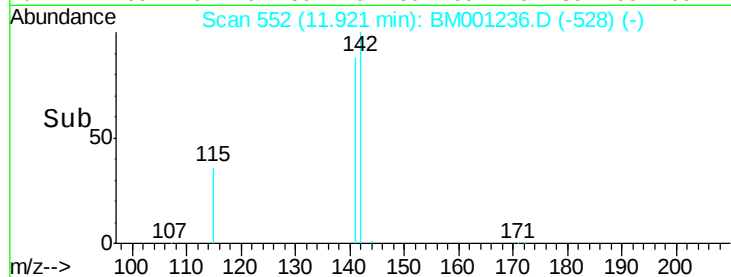
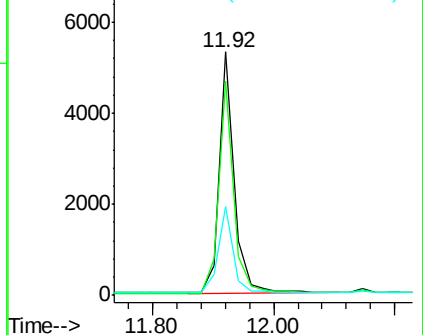
115 35.9 29.3 43.9



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



#16

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.15 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

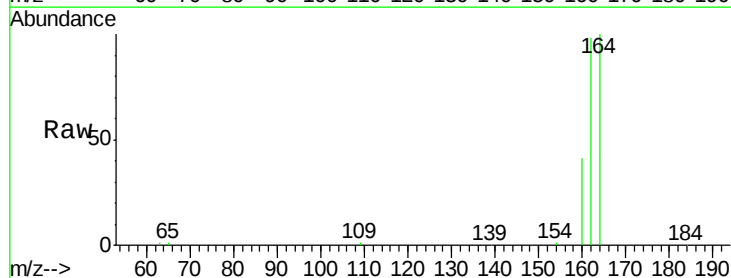
Tgt Ion:164 Resp: 16180

Ion Ratio Lower Upper

164 100

162 98.0 79.2 118.8

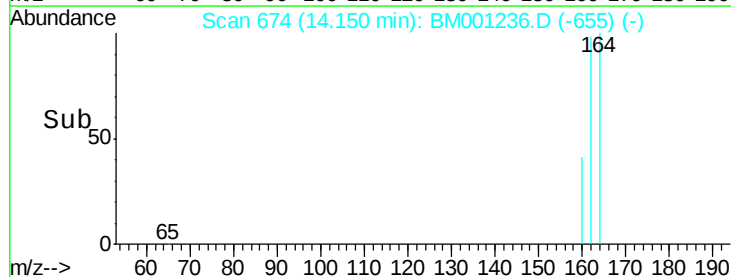
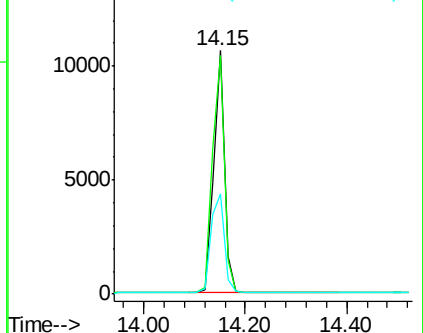
160 41.2 33.7 50.5

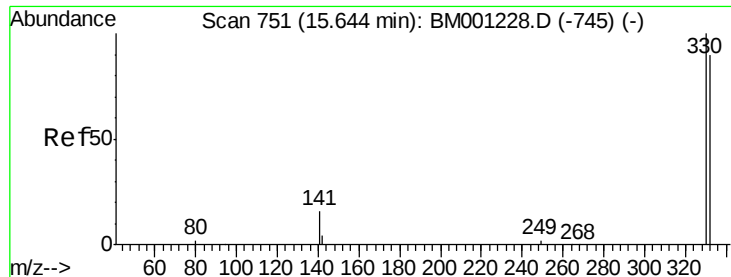


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

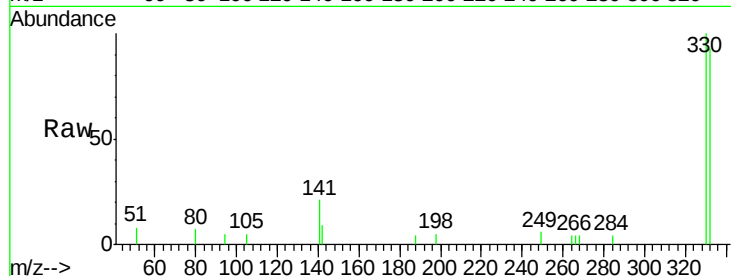




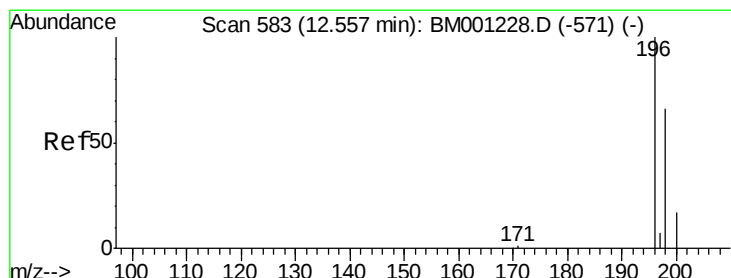
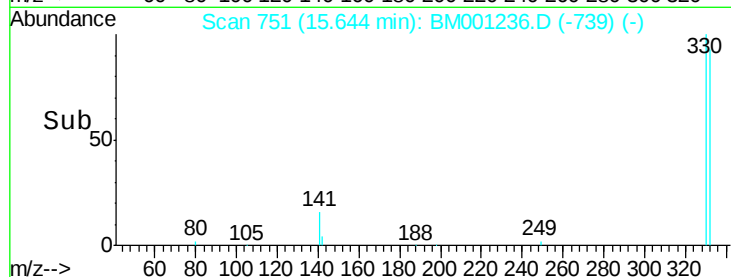
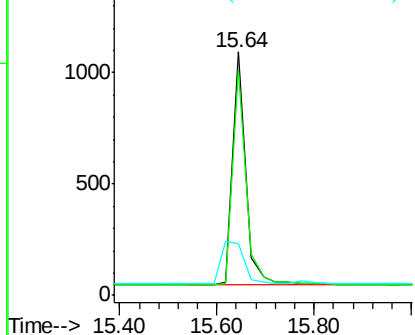
#17
 2,4,6-Tribromophenol
 Concen: 2.32 ng
 RT: 15.64 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BM001236.D
 Acq: 07 May 2015 03:14

Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:330 Resp: 1947
 Ion Ratio Lower Upper
 330 100
 332 94.6 74.0 111.0
 141 0.0 24.1 36.1#

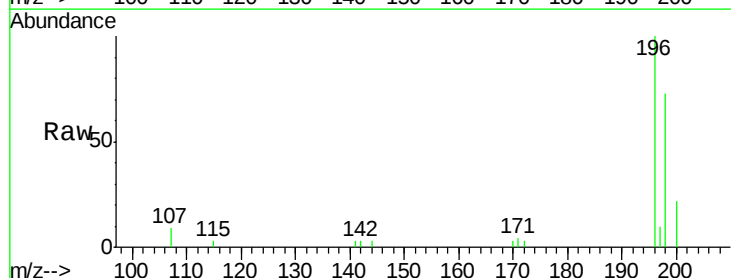


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

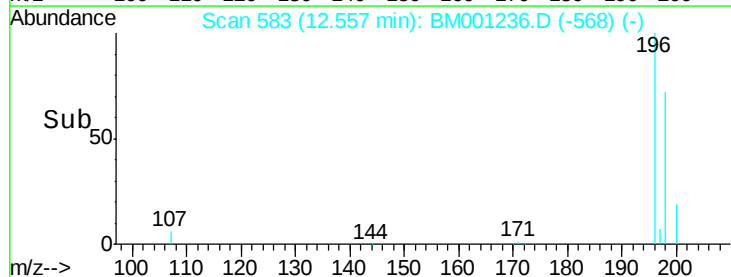
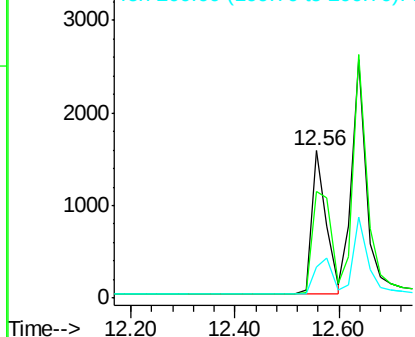


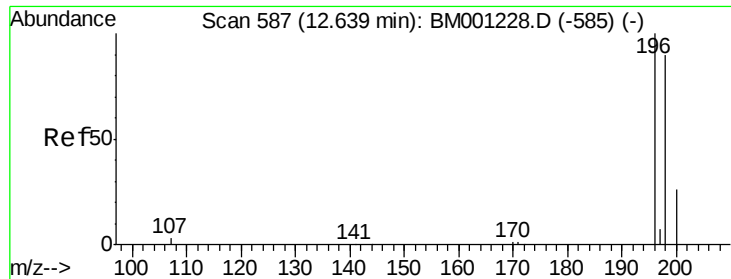
#18
 2,4,6-Trichlorophenol
 Concen: 2.11 ng
 RT: 12.56 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: BM001236.D
 Acq: 07 May 2015 03:14

Tgt Ion:196 Resp: 2959
 Ion Ratio Lower Upper
 196 100
 198 72.8 54.2 81.2
 200 21.5 17.1 25.7



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

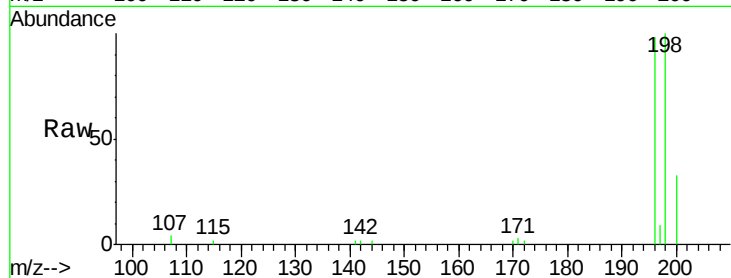




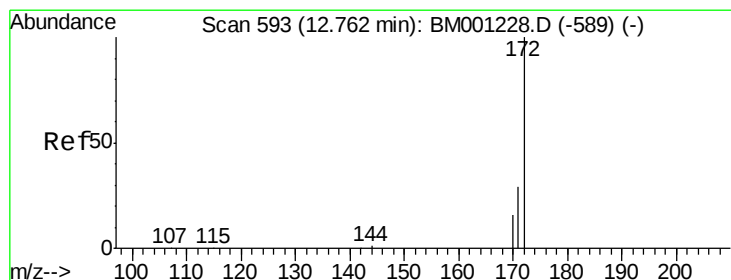
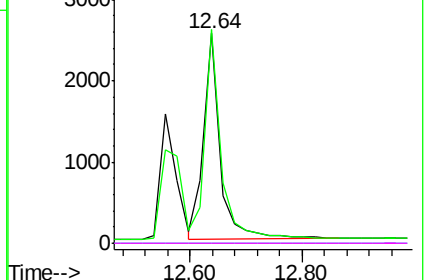
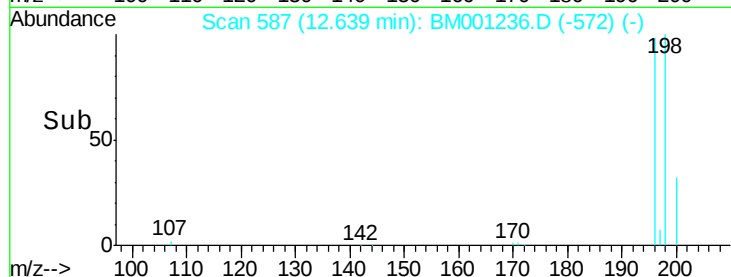
#19
2,4,5-Trichlorophenol
Concen: 3.17 ng
RT: 12.64 min Scan# 587
Delta R.T. -0.00 min
Lab File: BM001236.D
Acq: 07 May 2015 03:14

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion:196 Resp: 5212
Ion Ratio Lower Upper
196 100
198 101.9 73.6 110.4
97 0.0 0.0 0.0
132 0.0 0.0 0.0

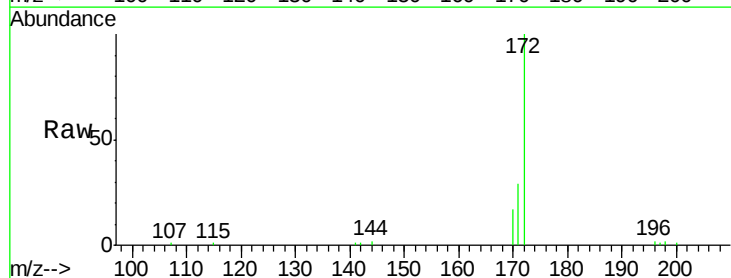


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BM
Ion 132.00 (131.70 to 132.70): E

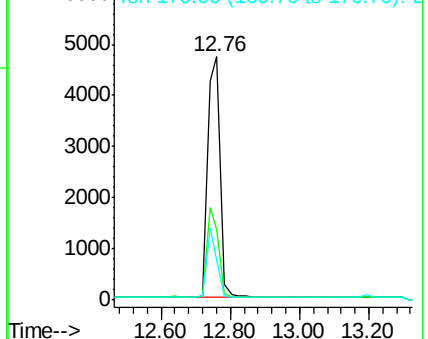
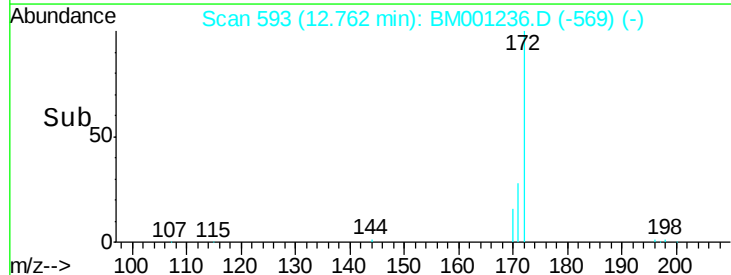


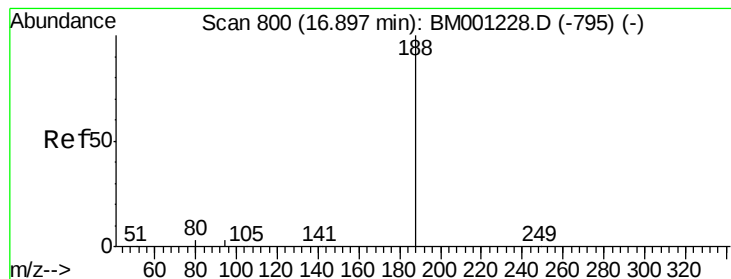
#20
2-Fluorobiphenyl
Concen: 2.31 ng
RT: 12.76 min Scan# 593
Delta R.T. -0.00 min
Lab File: BM001236.D
Acq: 07 May 2015 03:14

Tgt Ion:172 Resp: 11665
Ion Ratio Lower Upper
172 100
171 0.0 0.0 0.0
170 0.0 0.0 0.0



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





#23

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.90 min Scan# 800

Delta R.T. -0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

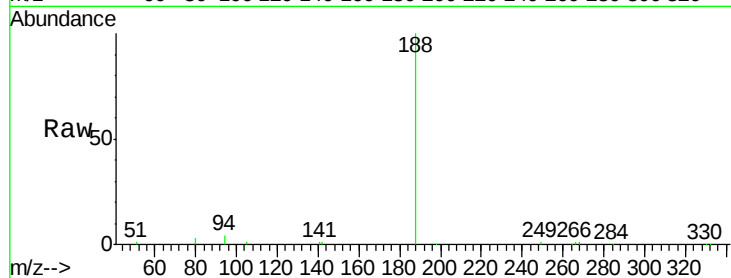
Tot Ion:188 Resp: 30118

Ion Ratio Lower Upper

188 100

94 3.8 2.9 4.3

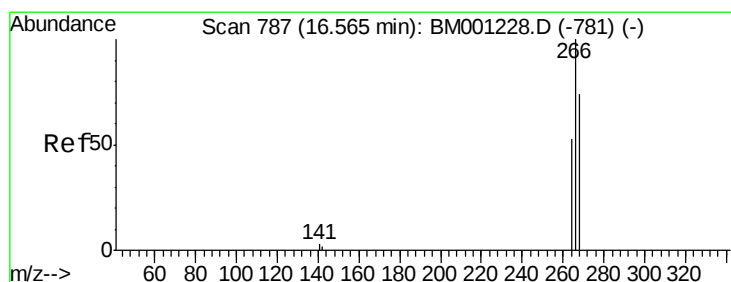
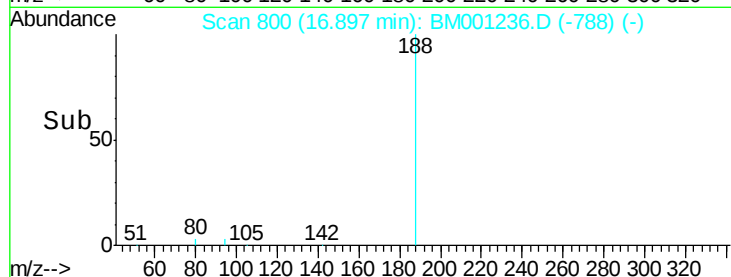
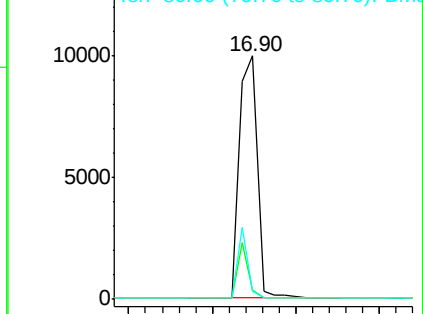
80 3.3 2.5 3.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#26

Pentachlorophenol

Concen: 2.07 ng

RT: 16.56 min Scan# 787

Delta R.T. 0.00 min

Lab File: BM001236.D

Acq: 07 May 2015 03:14

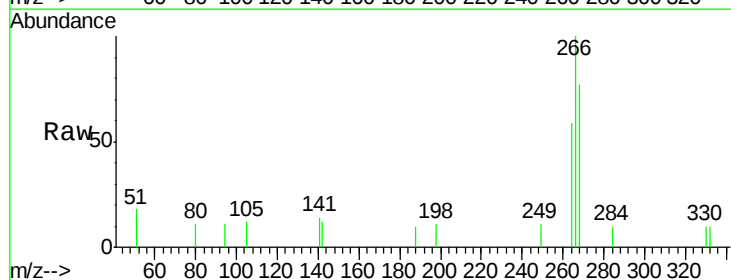
Tgt Ion:266 Resp: 1324

Ion Ratio Lower Upper

266 100

268 77.4 62.6 94.0

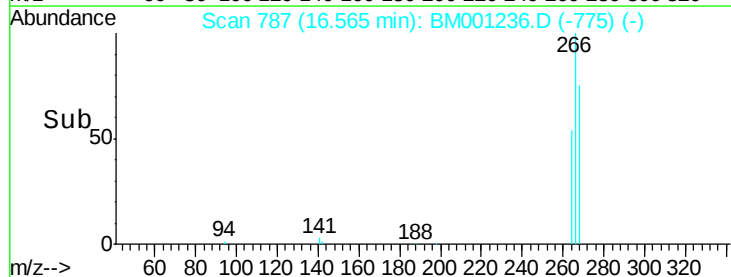
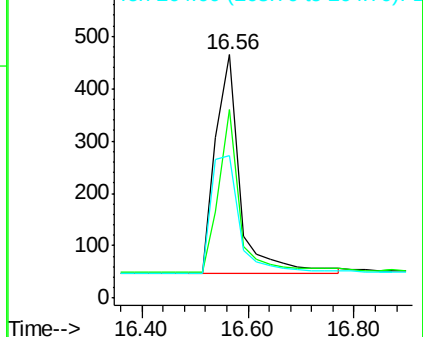
264 58.7 47.9 71.9

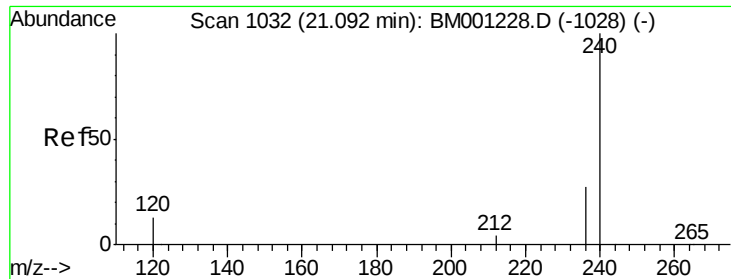


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

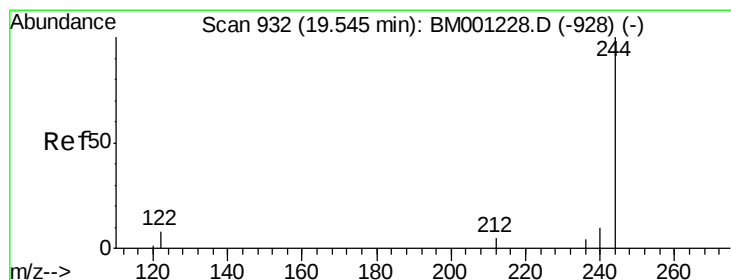
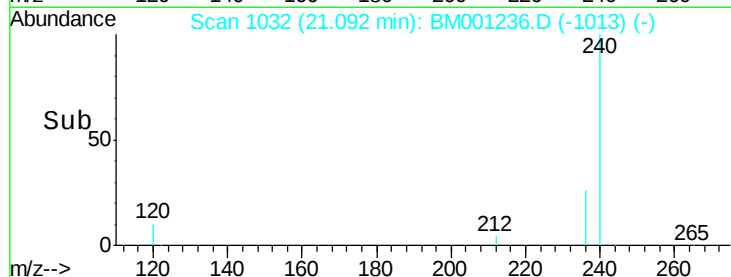
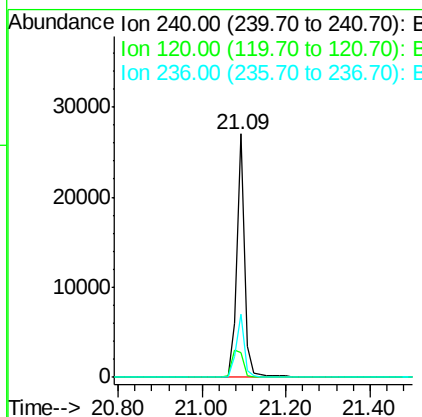
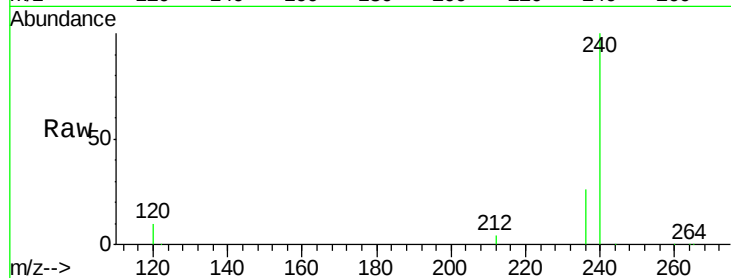




#27
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BM001236.D
Acq: 07 May 2015 03:14

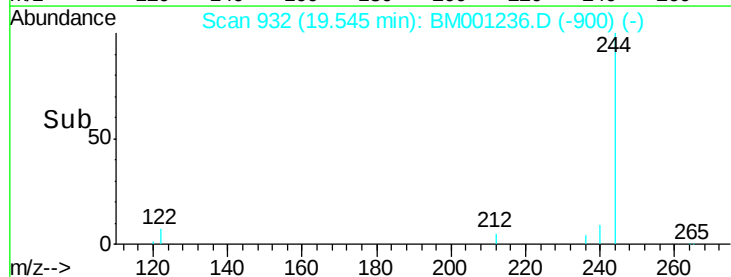
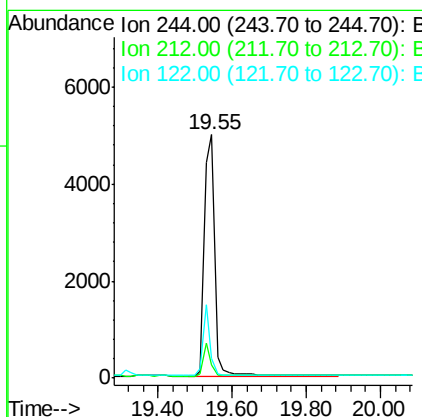
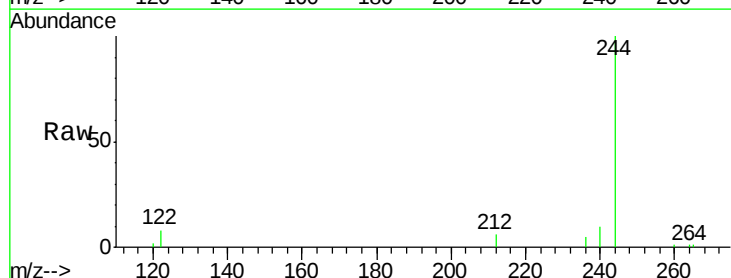
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

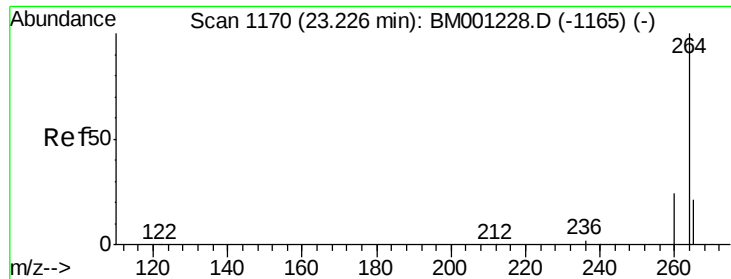
Tot Ion:240 Resp: 35193
Ion Ratio Lower Upper
240 100
120 10.1 10.4 15.6#
236 26.2 22.0 33.0



#28
Terphenyl-d14
Concen: 2.08 ng
RT: 19.55 min Scan# 932
Delta R.T. -0.00 min
Lab File: BM001236.D
Acq: 07 May 2015 03:14

Tgt Ion:244 Resp: 9626
Ion Ratio Lower Upper
244 100
212 9.7 7.3 10.9
122 20.3 14.8 22.2



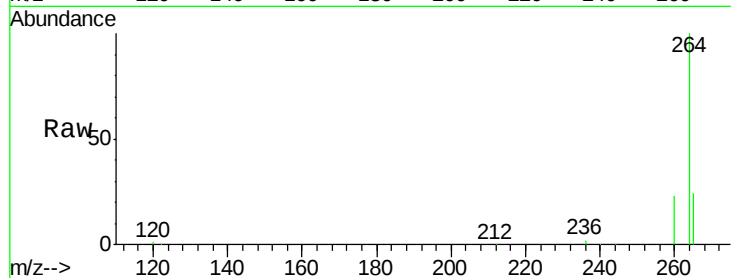


#29
Pervlone-d12
Concen: 5.00 ng
RT: 23.23 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BM001236.D
Acq: 07 May 2015 03:14

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion: 264 Resp: 31516

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.7	29.5
265	23.7	17.4	26.2



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

