

Data Path : Z:\HPCHEM1\BNA_E\Data\BE120914\
 Data File : Be089188.d
 Acq On : 9 Dec 2014 13:25
 Operator : TP/JJ
 Sample : F4574-15 40X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Dec 09 15:27:46 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-ACID-BE120814.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 09 08:57:21 2014
 Response via : Initial Calibration

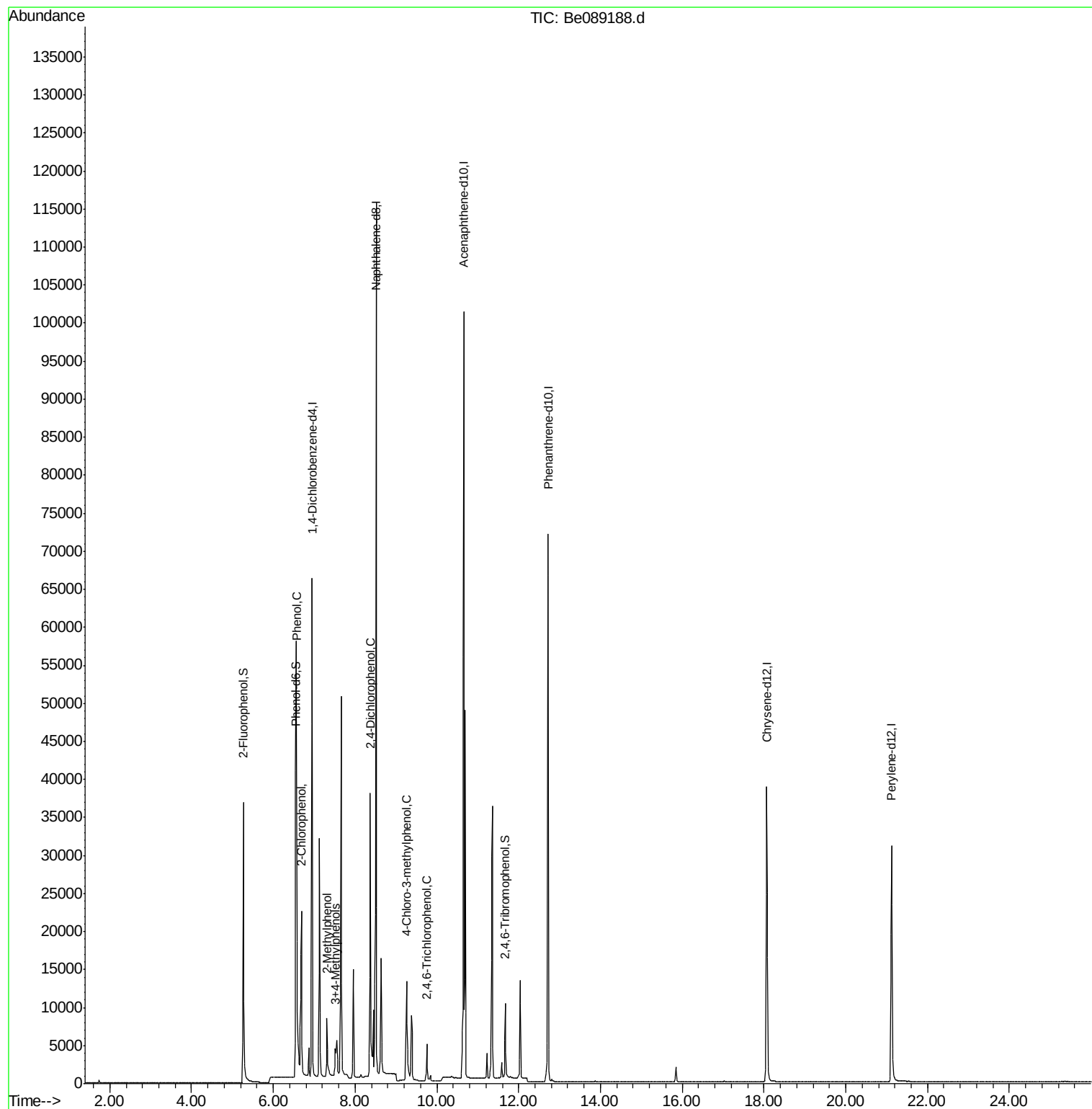
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	28617	5.00	ng	0.00
8) Naphthalene-d8	8.51	136	107427	5.00	ng	0.00
13) Acenaphthene-d10	10.66	164	51609	5.00	ng	0.00
19) Phenanthrene-d10	12.72	188	75088	5.00	ng	0.00
22) Chrysene-d12	18.07	240	50138	5.00	ng	0.00
23) Perylene-d12	21.12	264	44839	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	5.26	112	27044	3.69	ng	0.00
3) Phenol-d6	6.55	99	34103	3.51	ng	-0.01
14) 2,4,6-Tribromophenol	11.67	330	5515	3.26	ng	0.00
Target Compounds						Qvalue
4) 2-Chlorophenol	6.69	128	15622	1.95	ng	87
5) Phenol	6.57	94	55124	4.78	ng	96
6) 2-Methylphenol	7.31	107	4101	0.44	ng	# 86
7) 3+4-Methylphenols	7.52	107	4032	0.51	ng	94
11) 2,4-Dichlorophenol	8.37	162	28619	4.90	ng	96
12) 4-Chloro-3-methylphenol	9.26	107	14583	2.40	ng	# 85
15) 2,4,6-Trichlorophenol	9.75	196	3101	0.89	ng	# 59

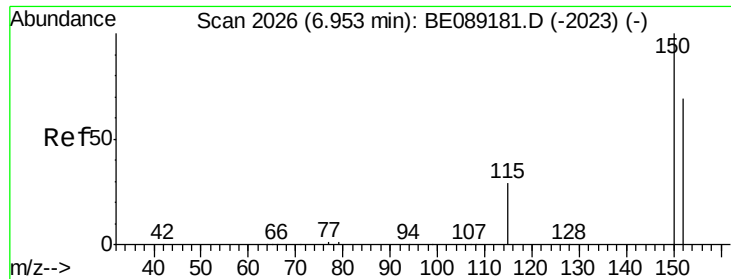
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 2025

Delta R.T. -0.00 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

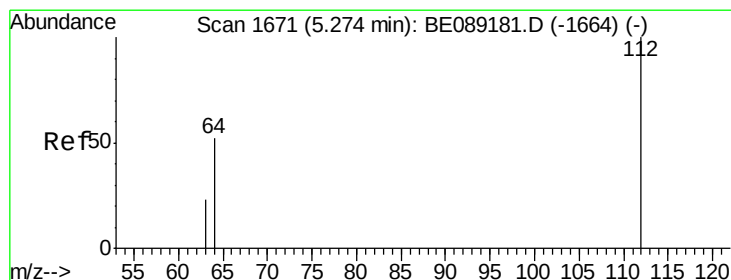
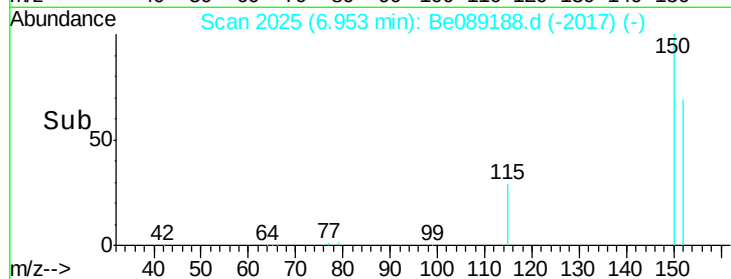
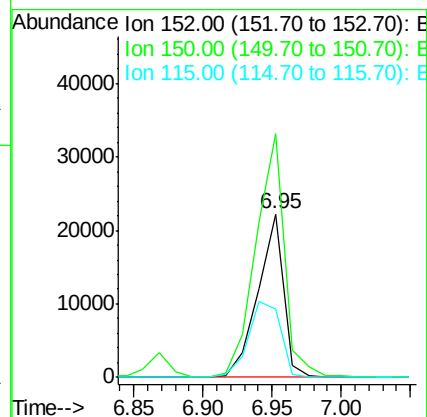
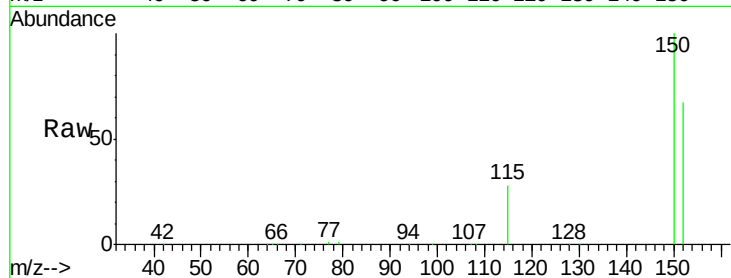
Tgt Ion:152 Resp: 28617

Ion Ratio Lower Upper

152 100

150 149.2 125.5 188.3

115 41.8 43.1 64.7#



#2

2-Fluorophenol

Concen: 3.69 ng

RT: 5.26 min Scan# 1665

Delta R.T. -0.00 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

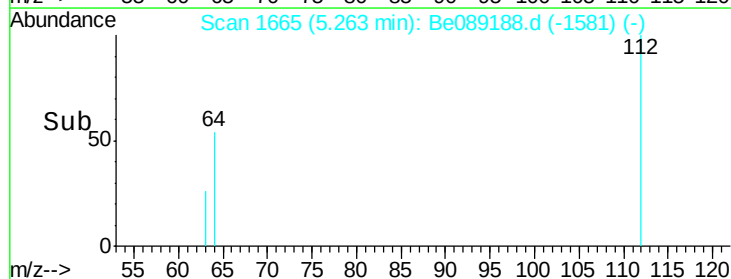
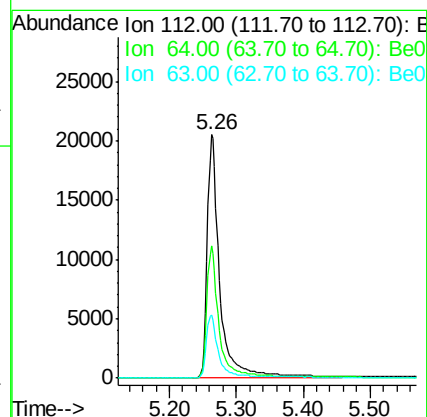
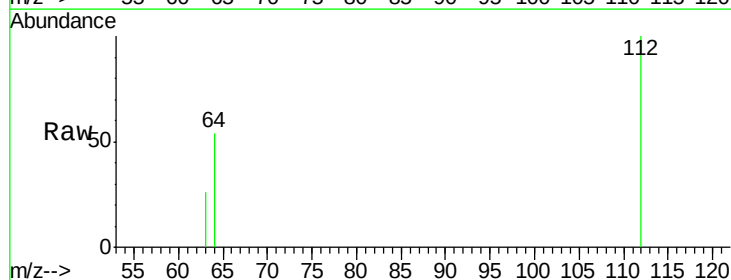
Tgt Ion:112 Resp: 27044

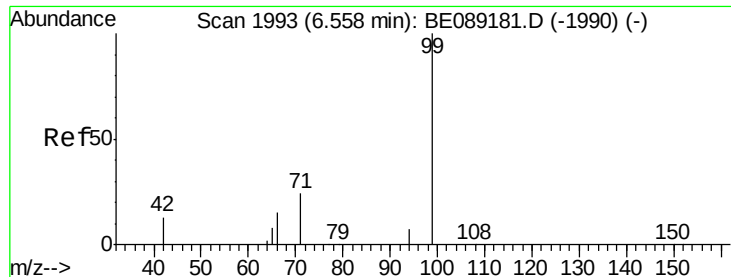
Ion Ratio Lower Upper

112 100

64 54.1 43.2 64.8

63 26.1 19.8 29.6





#3

Phenol-d6

Concen: 3.51 ng

RT: 6.55 min Scan# 1991

Delta R.T. -0.01 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

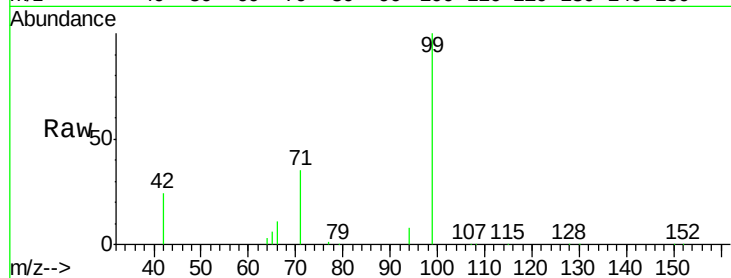
Tgt Ion: 99 Resp: 34103

Ion Ratio Lower Upper

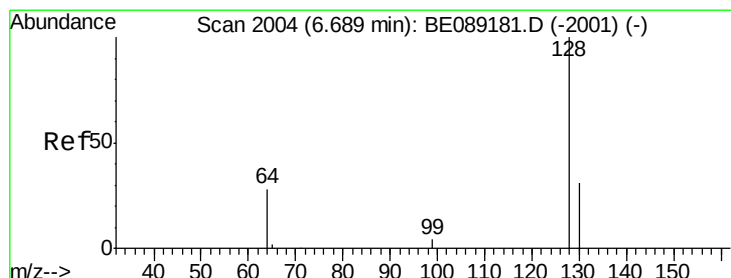
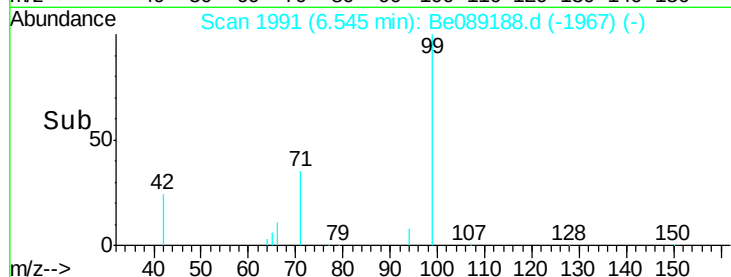
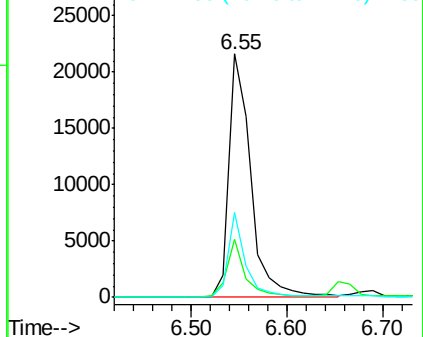
99 100

42 23.9 4.4 6.6#

71 34.8 11.0 16.6#



Abundance Ion 99.00 (98.70 to 99.70): Be0
Ion 42.00 (41.70 to 42.70): Be0
Ion 71.00 (70.70 to 71.70): Be0



#4

2-Chlorophenol

Concen: 1.95 ng

RT: 6.69 min Scan# 2003

Delta R.T. -0.00 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

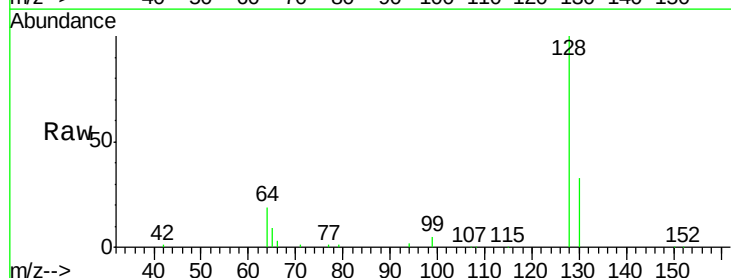
Tgt Ion: 128 Resp: 15622

Ion Ratio Lower Upper

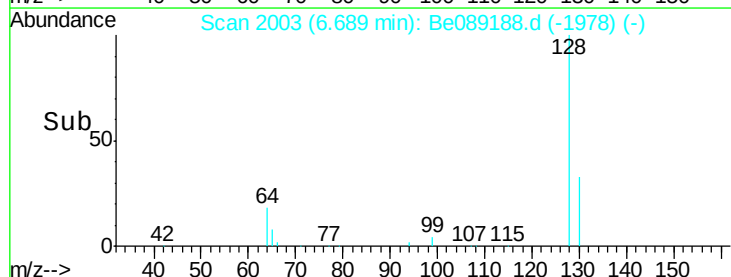
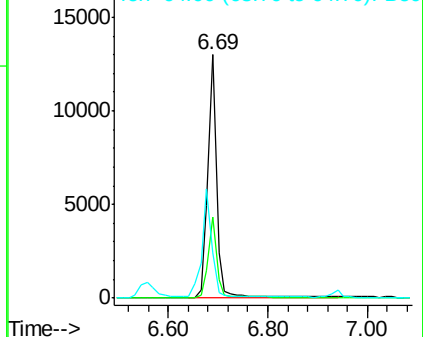
128 100

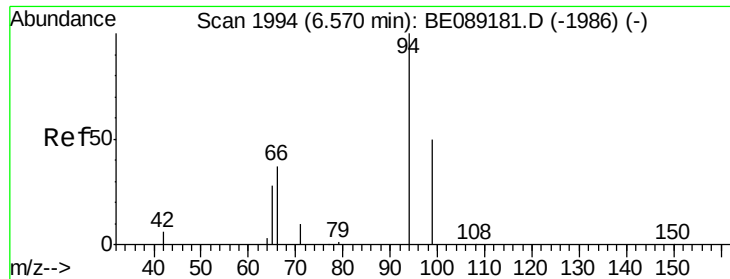
130 33.1 9.8 49.8

64 18.5 8.8 48.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): Be0





#5

Phenol

Concen: 4.78 ng

RT: 6.57 min Scan# 1993

Delta R.T. -0.00 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

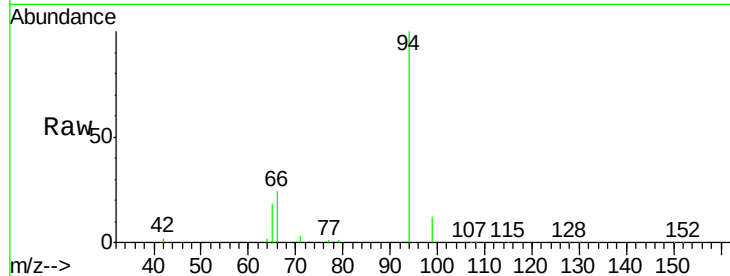
Tgt Ion: 94 Resp: 55124

Ion Ratio Lower Upper

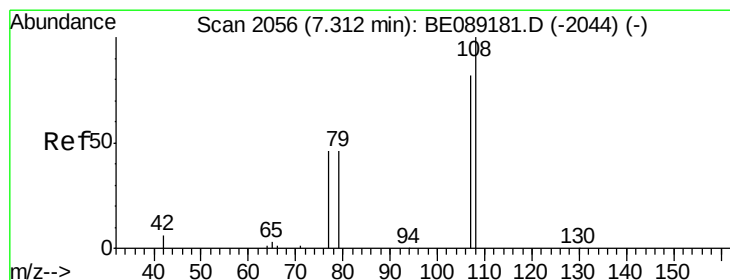
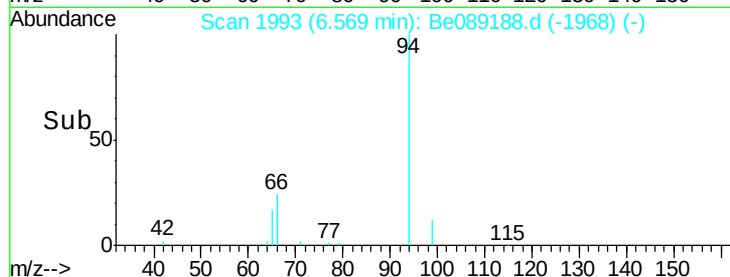
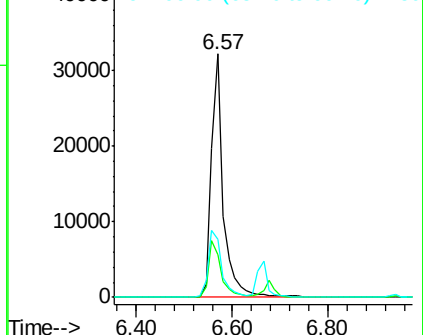
94 100

65 17.5 0.0 39.0

66 23.7 6.2 46.2



Abundance Ion 94.00 (93.70 to 94.70): Be0
Ion 65.00 (64.70 to 65.70): Be0
Ion 66.00 (65.70 to 66.70): Be0



#6

2-Methylphenol

Concen: 0.44 ng

RT: 7.31 min Scan# 2055

Delta R.T. 0.00 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

Tgt Ion: 107 Resp: 4101

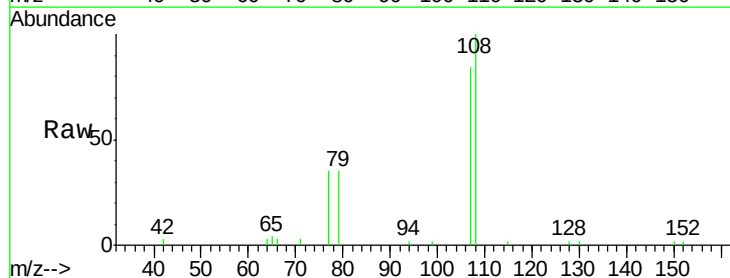
Ion Ratio Lower Upper

107 100

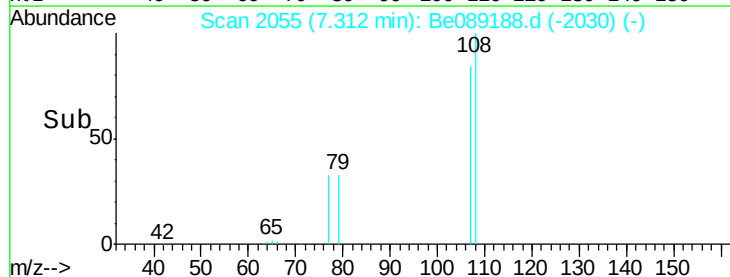
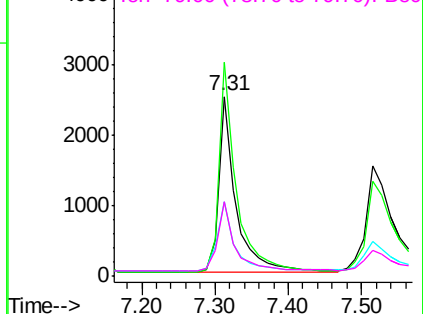
108 118.8 86.8 130.2

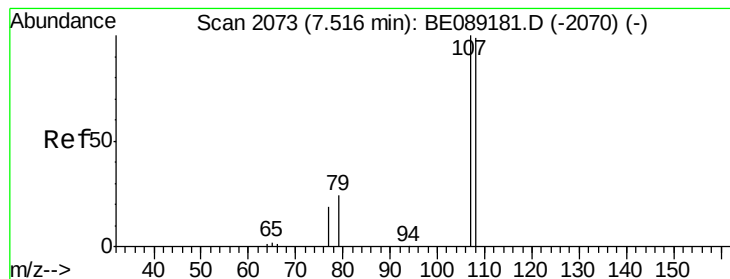
77 41.6 37.1 55.7

79 41.2 9.0 13.4#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): Be0
Ion 79.00 (78.70 to 79.70): Be0





#7

3+4-Methylphenols

Concen: 0.51 ng

RT: 7.52 min Scan# 2072

Delta R.T. 0.01 min

Lab File: BE089188.d

Acq: 9 Dec 2014 13:25

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

Tgt Ion:107 Resp: 4032

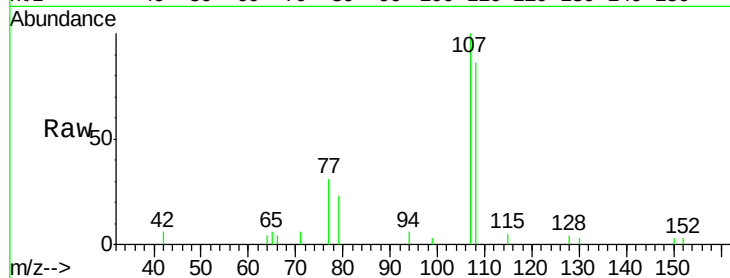
Ion Ratio Lower Upper

107 100

108 86.2 69.0 109.0

77 30.7 13.4 53.4

79 22.7 0.0 26.4

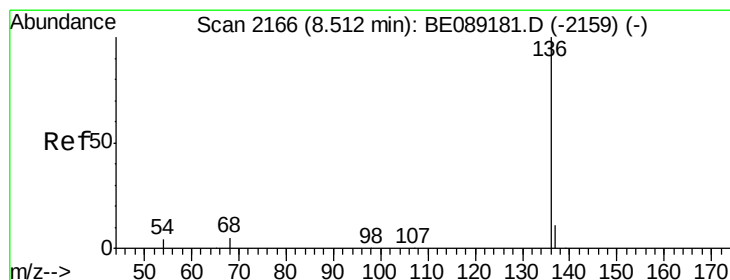
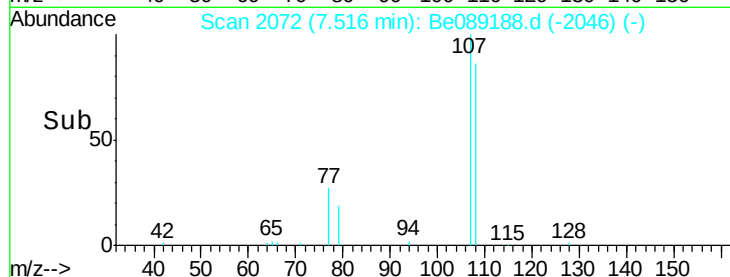
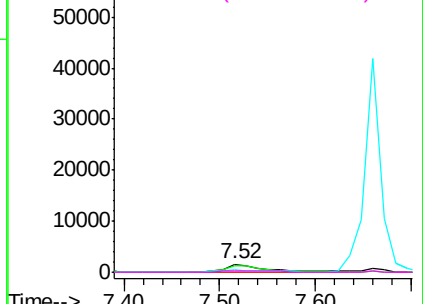


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): Be0

Ion 79.00 (78.70 to 79.70): Be0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BE089188.d

Acq: 9 Dec 2014 13:25

Tgt Ion:136 Resp: 107427

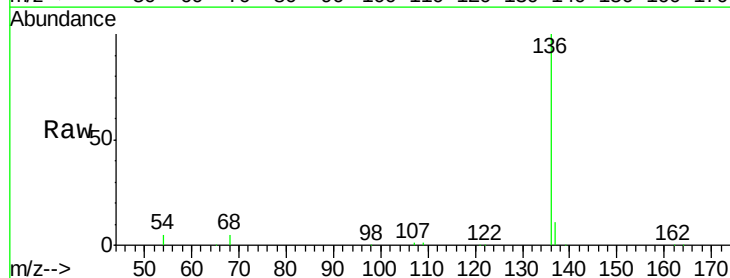
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 4.9 7.2 10.8#

68 5.2 7.0 10.6#

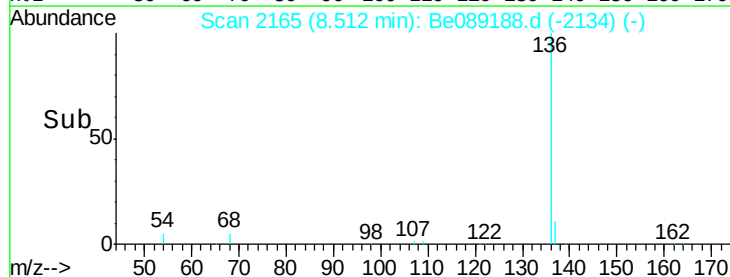
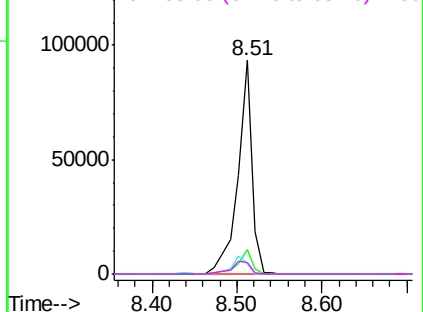


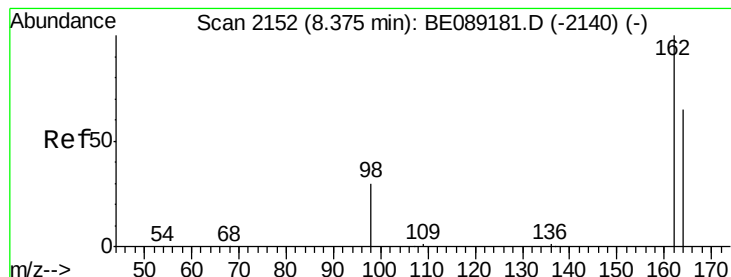
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): Be0

Ion 68.00 (67.70 to 68.70): Be0





#11

2,4-Dichlorophenol

Concen: 4.90 ng

RT: 8.37 min Scan# 2150

Delta R.T. -0.00 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

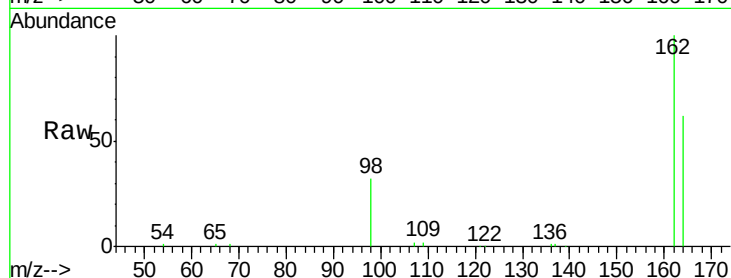
Tgt Ion:162 Resp: 28619

Ion Ratio Lower Upper

162 100

164 61.5 42.5 82.5

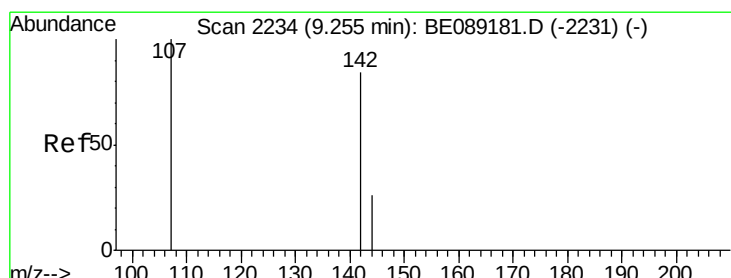
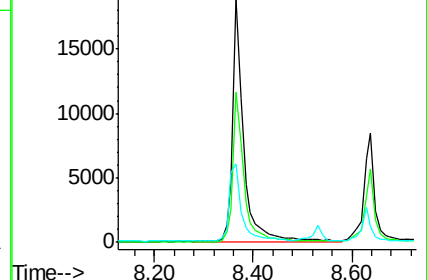
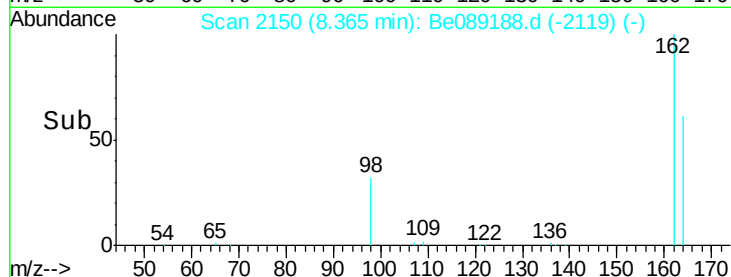
98 32.1 6.0 46.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): Be0



#12

4-Chloro-3-methylphenol

Concen: 2.40 ng

RT: 9.26 min Scan# 2233

Delta R.T. 0.00 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

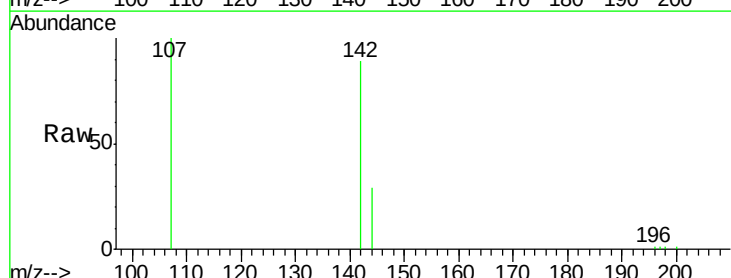
Tgt Ion:107 Resp: 14583

Ion Ratio Lower Upper

107 100

144 29.2 16.2 24.4#

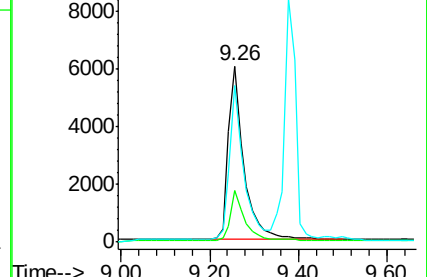
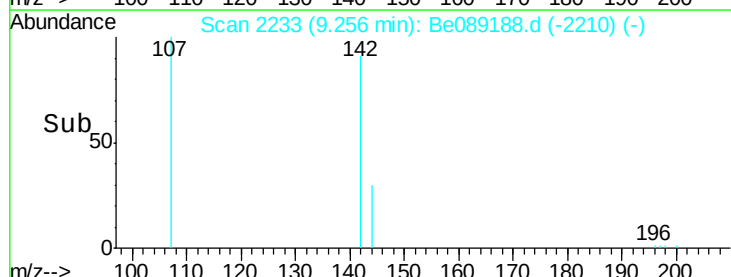
142 89.0 61.4 92.0

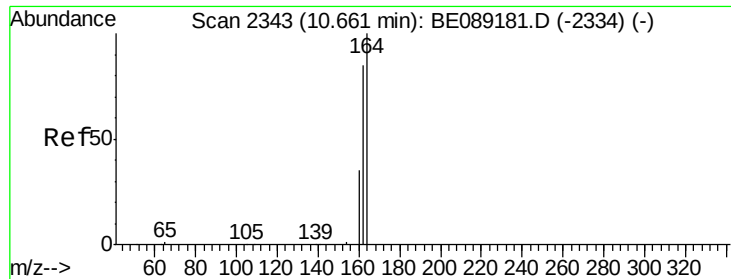


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

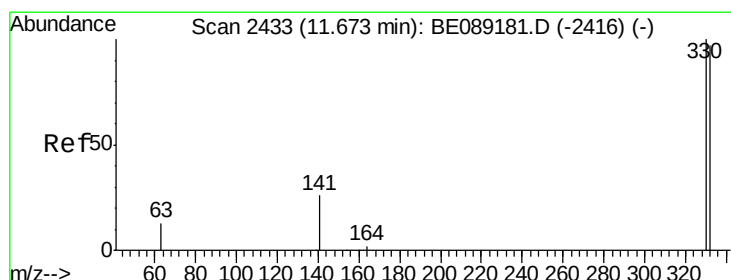
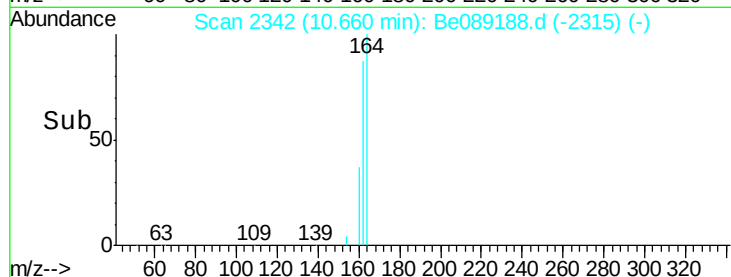
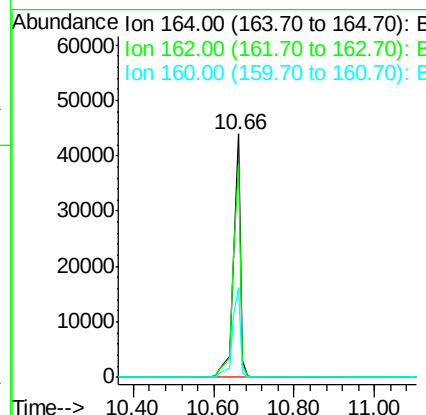
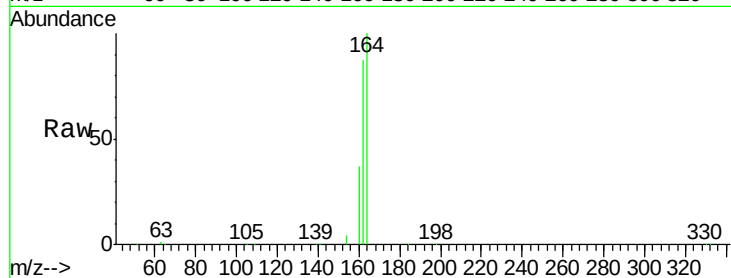




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.66 min Scan# 2342
Delta R.T. -0.00 min
Lab File: Be089188.d
Acq: 9 Dec 2014 13:25

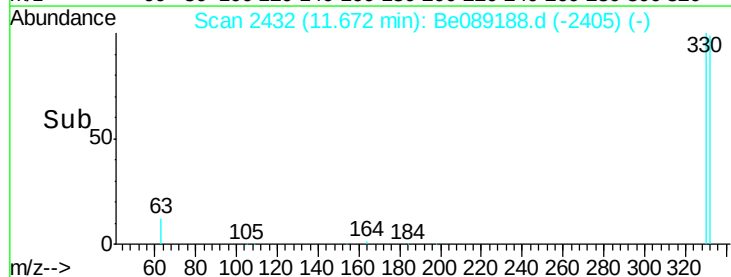
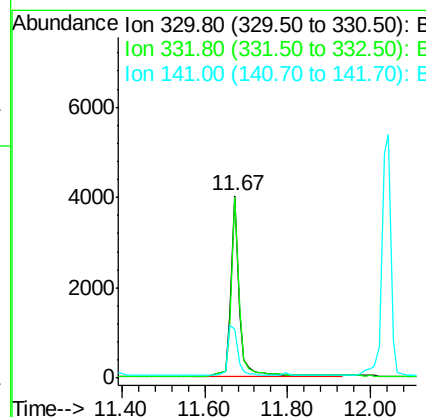
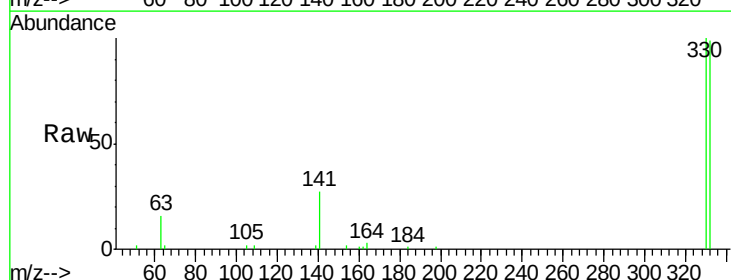
Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

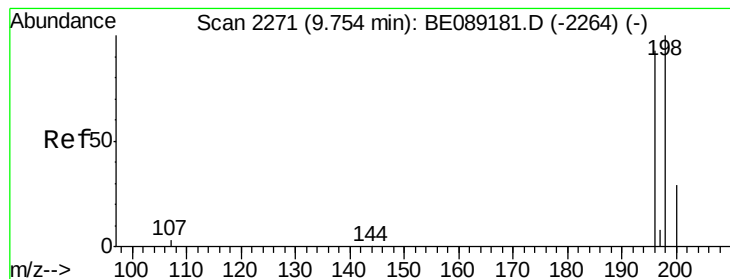
Tgt Ion:164 Resp: 51609
Ion Ratio Lower Upper
164 100
162 87.2 65.4 98.2
160 36.9 26.2 39.4



#14
2,4,6-Tribromophenol
Concen: 3.26 ng
RT: 11.67 min Scan# 2432
Delta R.T. -0.00 min
Lab File: Be089188.d
Acq: 9 Dec 2014 13:25

Tgt Ion:330 Resp: 5515
Ion Ratio Lower Upper
330 100
332 97.7 77.6 116.4
141 34.7 23.5 35.3





#15

2,4,6-Trichlorophenol

Concen: 0.89 ng

RT: 9.75 min Scan# 2270

Delta R.T. 0.00 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

Instrument :

BNA_E

ClientSampled :

PT-BNA-SOIL

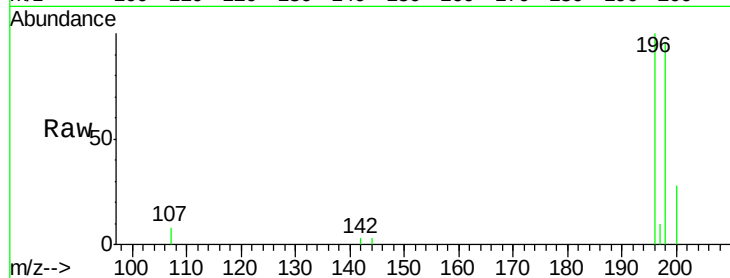
Tgt Ion:196 Resp: 3101

Ion Ratio Lower Upper

196 100

198 96.1 50.5 75.7#

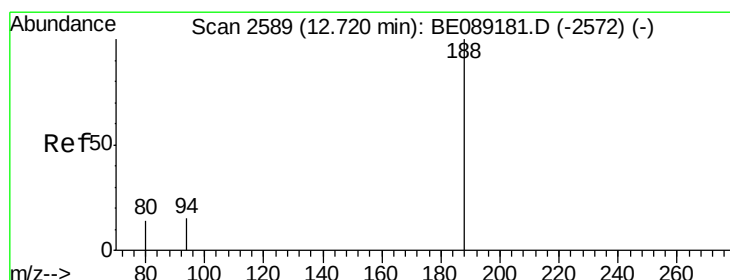
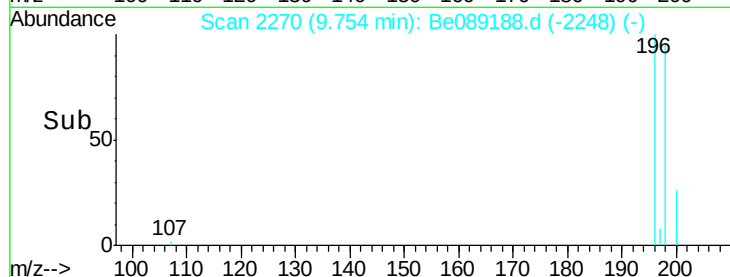
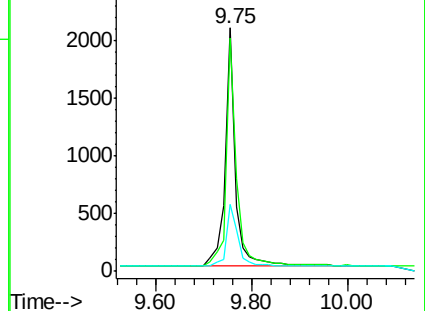
200 27.7 11.5 17.3#



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

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.72 min Scan# 2588

Delta R.T. -0.00 min

Lab File: Be089188.d

Acq: 9 Dec 2014 13:25

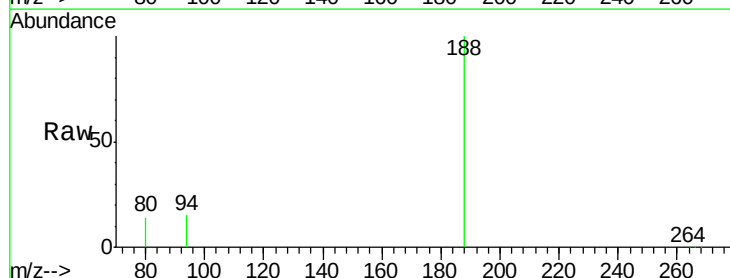
Tgt Ion:188 Resp: 75088

Ion Ratio Lower Upper

188 100

94 14.6 12.7 19.1

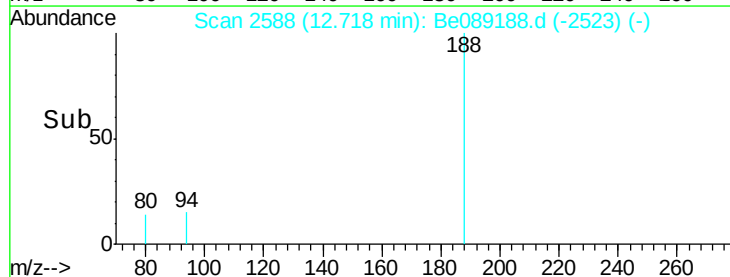
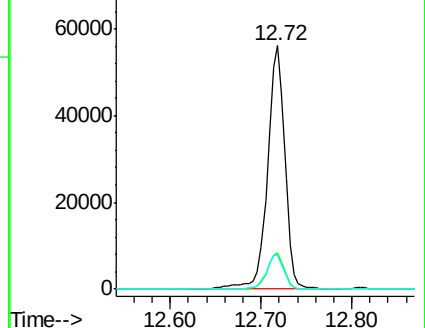
80 13.9 11.9 17.9

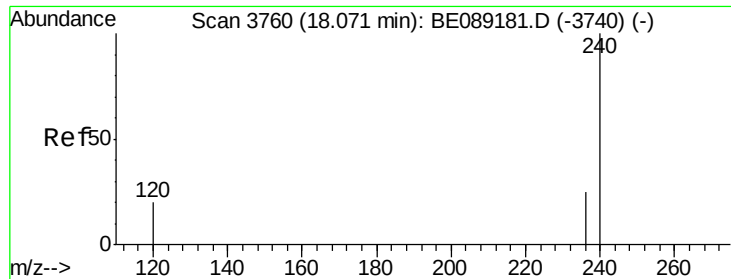


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): Be0

Ion 80.00 (79.70 to 80.70): Be0





#22

Chrysene-d12

Concen: 5.00 ng

RT: 18.07 min Scan# 3759

Delta R.T. -0.01 min

Lab File: BE089188.d

Acq: 9 Dec 2014 13:25

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

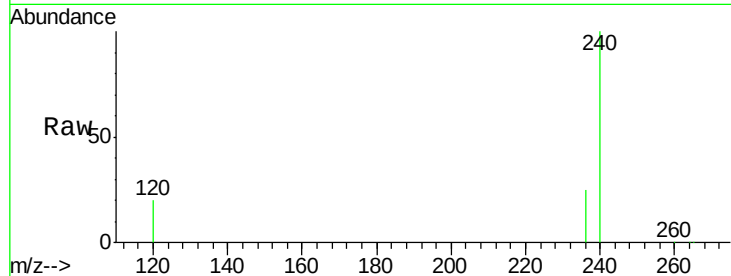
Tgt Ion:240 Resp: 50138

Ion Ratio Lower Upper

240 100

120 19.8 17.0 25.6

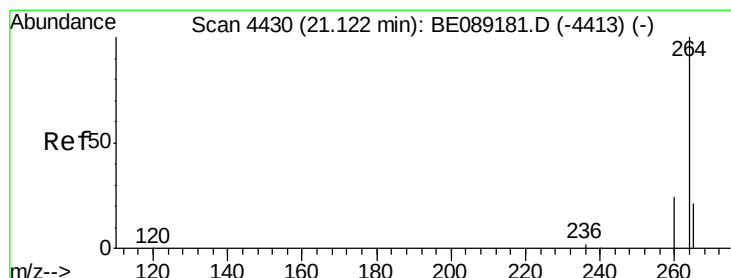
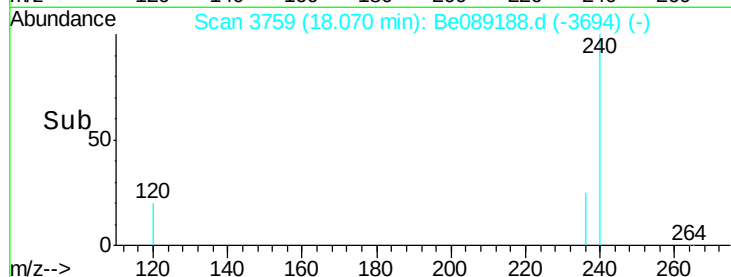
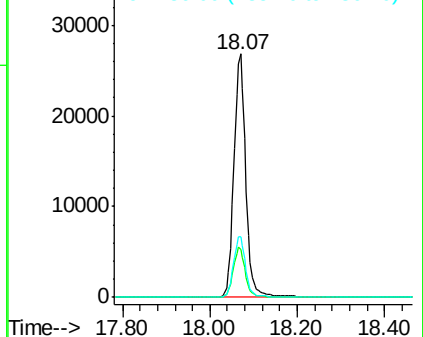
236 25.0 20.2 30.4



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



#23

Perylene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 4429

Delta R.T. -0.01 min

Lab File: BE089188.d

Acq: 9 Dec 2014 13:25

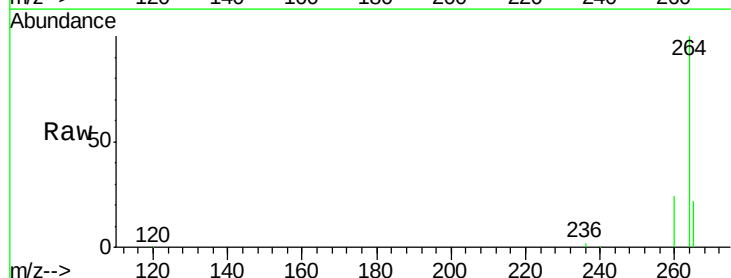
Tgt Ion:264 Resp: 44839

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.6 17.4 26.0



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

