

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110315\
 Data File : BF082663.D
 Acq On : 3 Nov 2015 16:24
 Operator : UM/IZ
 Sample : G4236-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-002

Quant Time: Nov 04 03:13:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

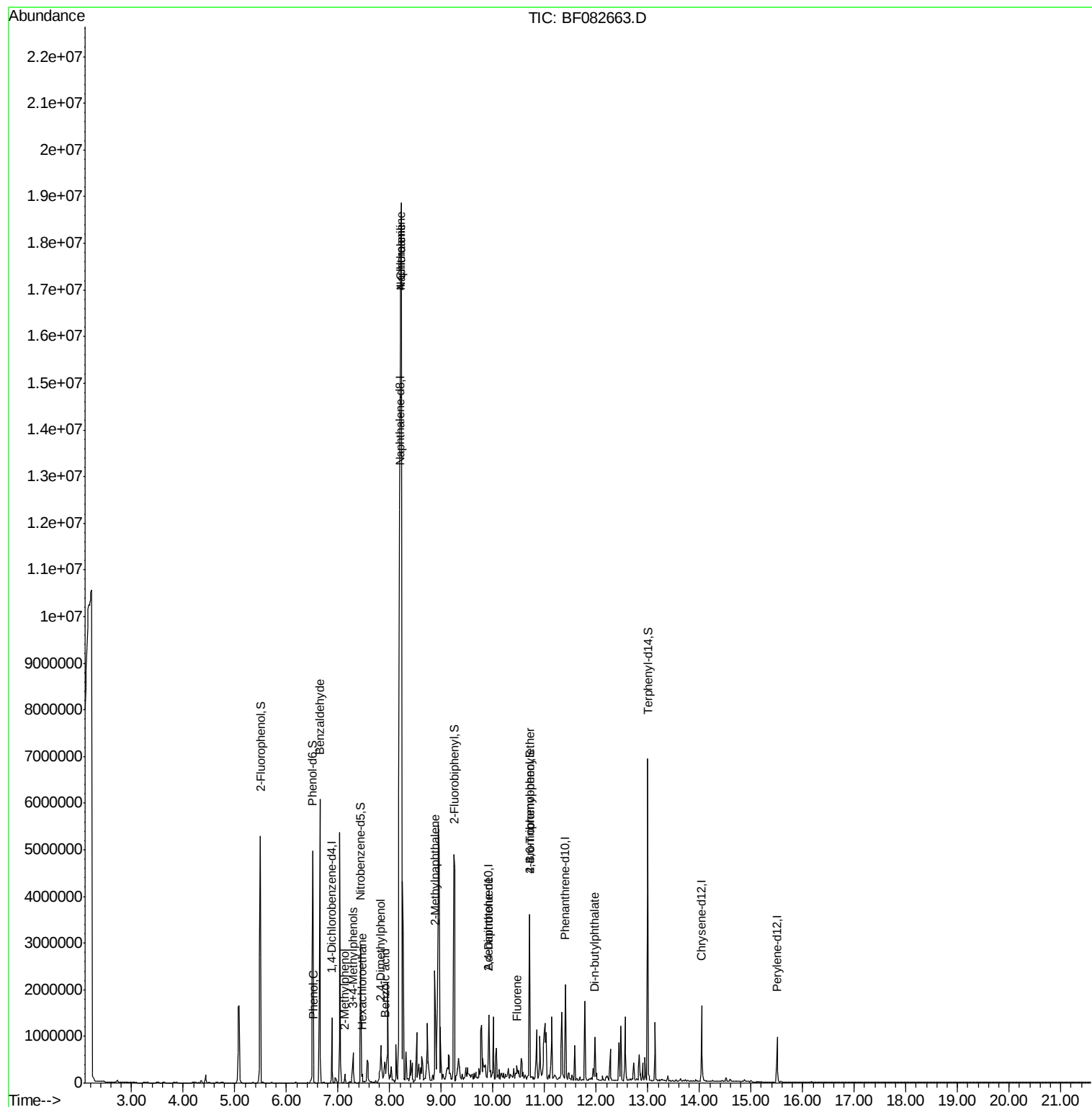
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	184377	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	622262	20.00	ng	0.02
38) Acenaphthene-d10	9.92	164	355161	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	668542	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	594077	20.00	ng	-0.01
86) Perylene-d12	15.51	264	424638	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1462103	119.44	ng	0.02
7) Phenol-d6	6.51	99	1641201	100.92	ng	0.00
23) Nitrobenzene-d5	7.44	82	1391675	91.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	618115	159.03	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	2328895	93.10	ng	0.00
78) Terphenyl-d14	13.00	244	2475270	91.18	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	44742	4.03	ng	85
10) Phenol	6.52	94	67478	3.66	ng	83
17) 2-Methylphenol	7.13	107	26960	2.39	ng	96
18) Hexachloroethane	7.47	117	56821	9.72	ng	# 5
20) 3+4-Methylphenols	7.29	107	94837	6.48	ng	# 70
27) 2,4-Dimethylphenol	7.82	122	232202	21.14	ng	98
31) Naphthalene	8.22	128	15900862	472.24	ng	# 70
32) Benzoic acid	7.90	122	67413	8.46	ng	94
33) 4-Chloroaniline	8.22	127	3654531	254.22	ng	# 30
37) 2-Methylnaphthalene	8.88	142	783283	35.89	ng	98
56) 2,4-Dinitrotoluene	9.92	165	45979	5.66	ng	# 28
57) Fluorene	10.46	166	54432	2.09	ng	93
66) 4-Bromophenyl-phenylether	10.72	248	39158	5.17	ng	# 1
73) Di-n-butylphthalate	11.97	149	390169	9.27	ng	98

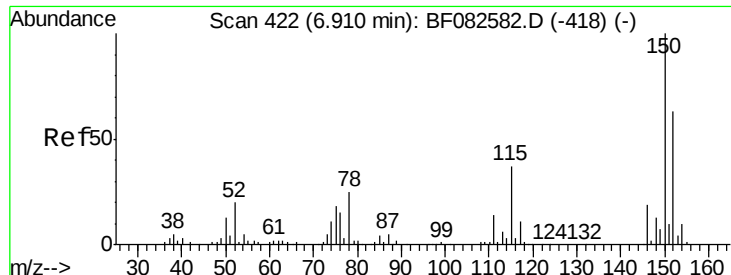
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110315\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-002

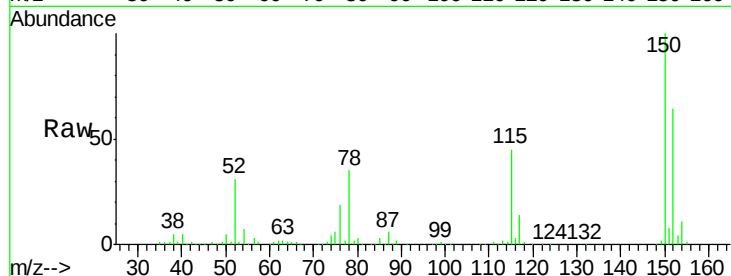
Tgt Ion:152 Resp: 184377

Ion Ratio Lower Upper

152 100

150 155.0 127.0 190.4

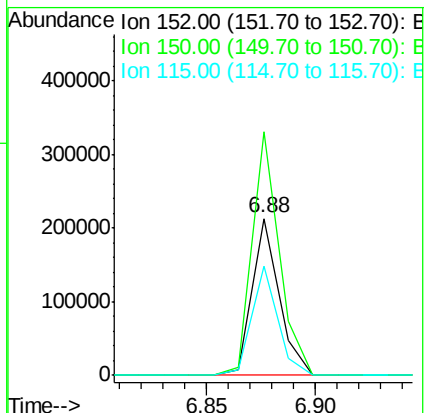
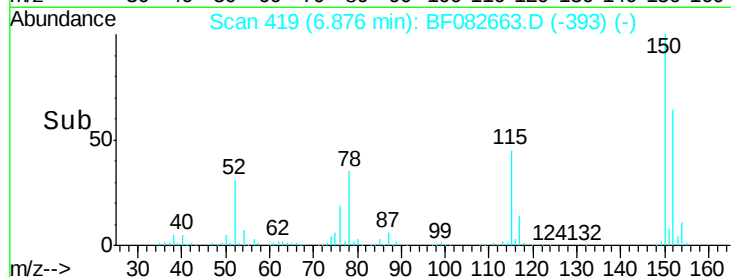
115 69.5 47.0 70.6



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: 119.44 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.02 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

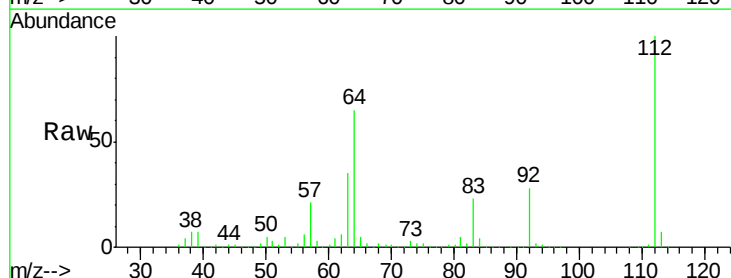
Tgt Ion:112 Resp: 1462103

Ion Ratio Lower Upper

112 100

64 64.7 48.9 73.3

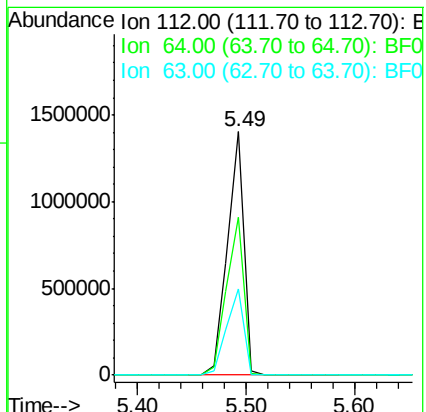
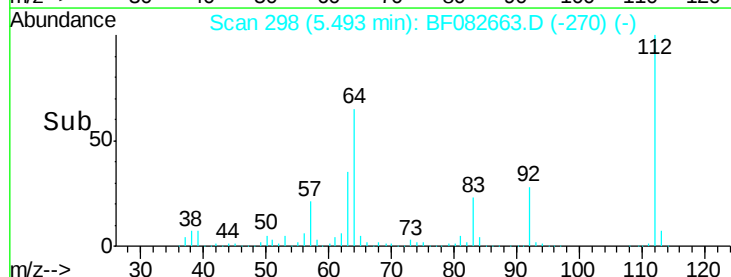
63 35.2 28.1 42.1



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: 100.92 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-002

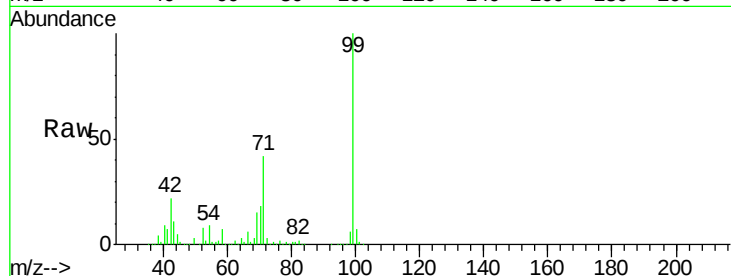
Tgt Ion: 99 Resp: 1641201

Ion Ratio Lower Upper

99 100

42 21.7 19.2 28.8

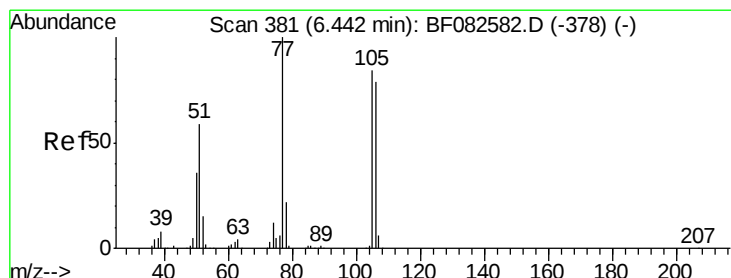
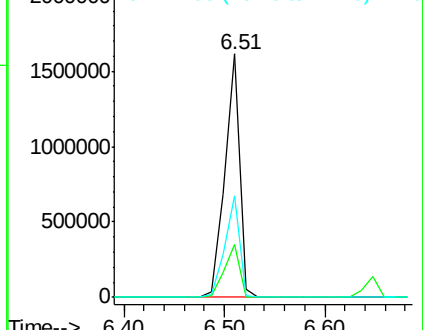
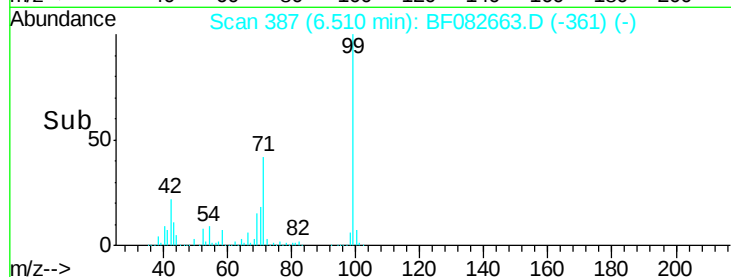
71 41.8 35.0 52.4



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



#9

Benzaldehyde

Concen: 4.03 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

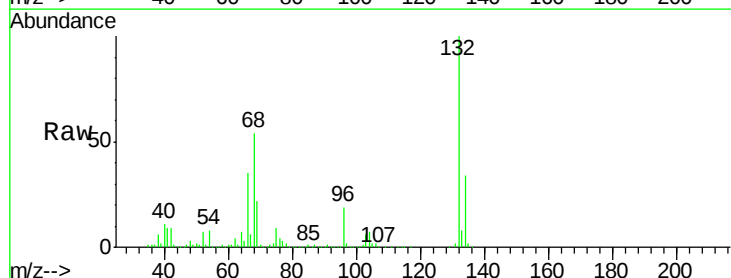
Tgt Ion: 77 Resp: 44742

Ion Ratio Lower Upper

77 100

105 73.0 63.5 103.5

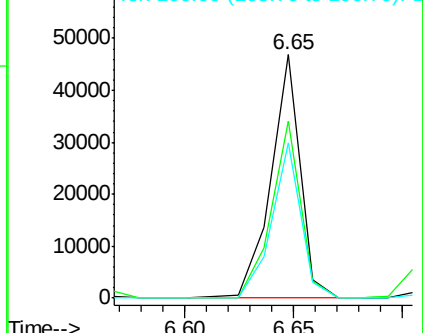
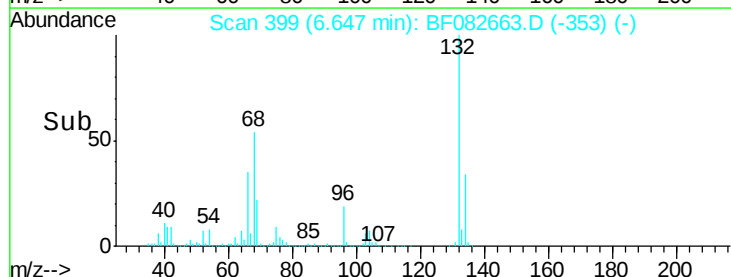
106 63.6 59.3 99.3

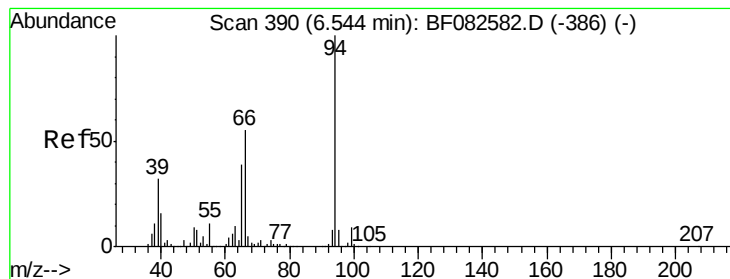


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 3.66 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-002

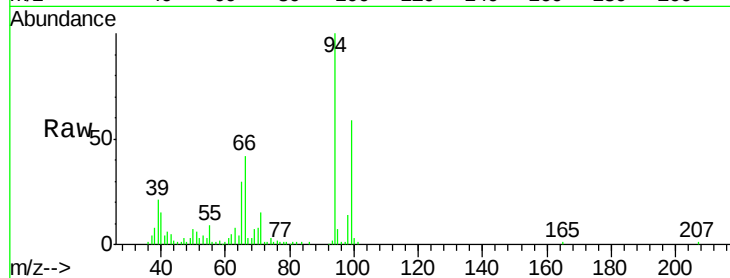
Tgt Ion: 94 Resp: 67478

Ion Ratio Lower Upper

94 100

65 29.5 18.9 58.9

66 41.6 34.9 74.9



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

120000

100000

80000

60000

40000

20000

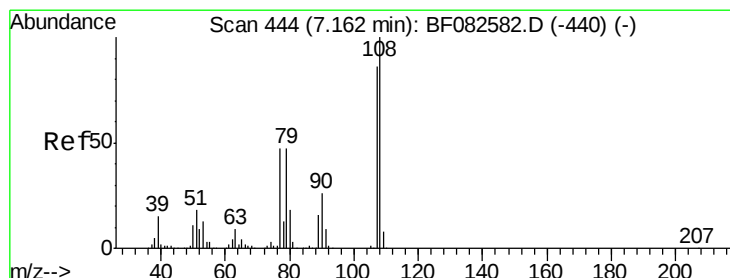
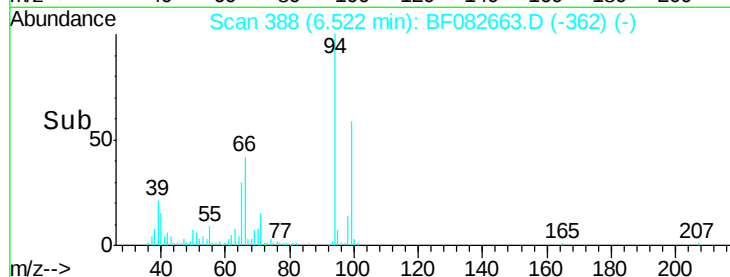
0

6.52

6.45

6.55

Time-->



#17

2-Methylphenol

Concen: 2.39 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Tgt Ion: 107 Resp: 26960

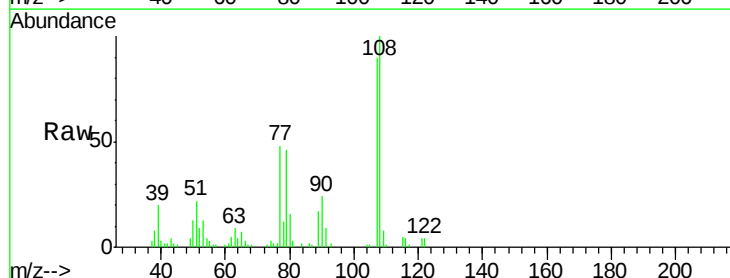
Ion Ratio Lower Upper

107 100

108 111.3 93.0 139.4

77 53.5 44.1 66.1

79 50.7 43.6 65.4



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): BF0

Ion 79.00 (78.70 to 79.70): BF0

50000

40000

30000

20000

10000

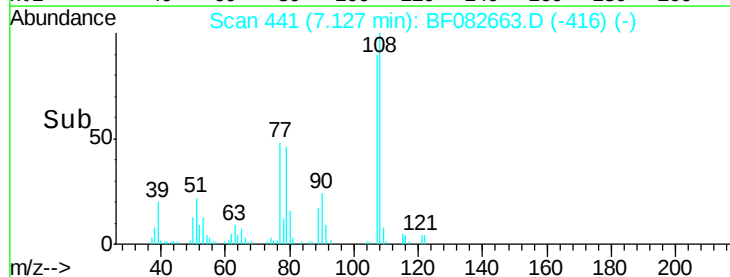
0

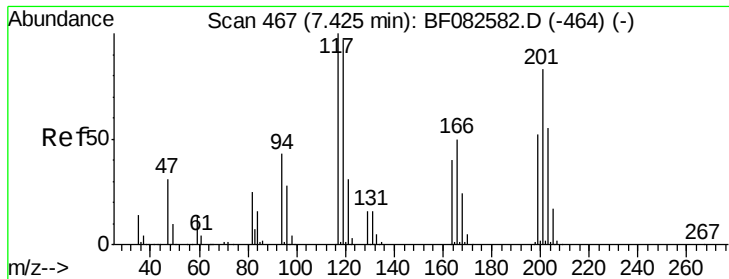
7.13

7.10

7.15

Time-->





#18

Hexachloroethane

Concen: 9.72 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.07 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

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WC-SOIL-002

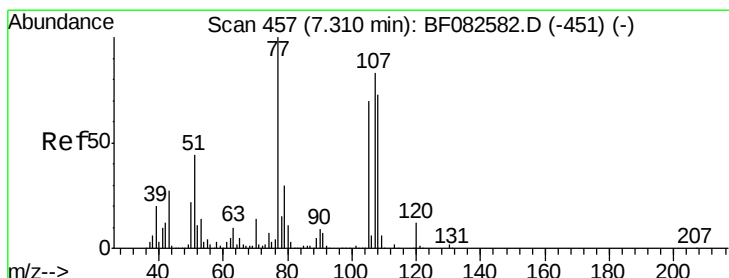
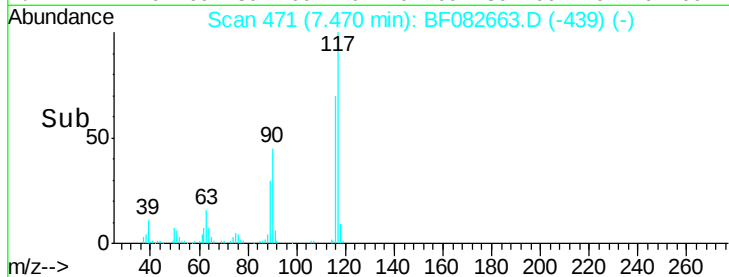
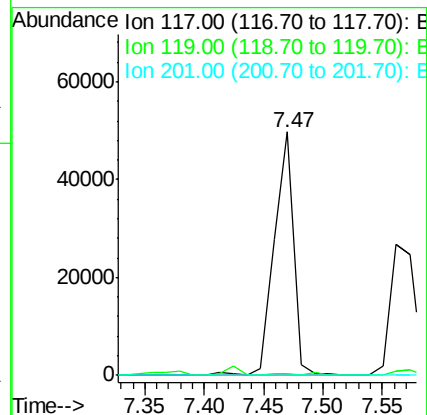
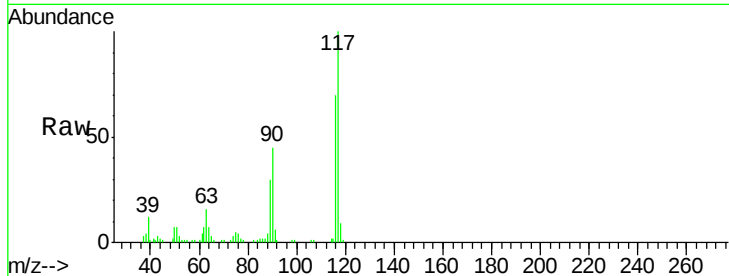
Tgt Ion:117 Resp: 56821

Ion Ratio Lower Upper

117 100

119 0.6 77.7 116.5#

201 0.0 66.7 100.1#



#20

3+4-Methylphenols

Concen: 6.48 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Tgt Ion:107 Resp: 94837

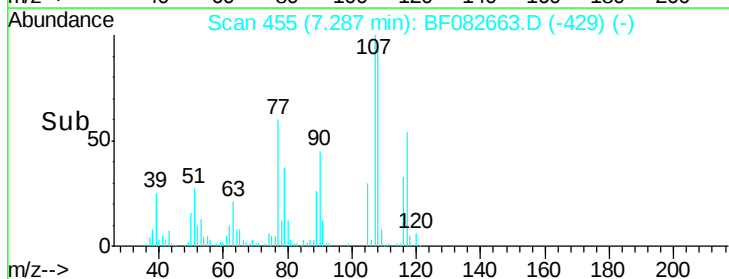
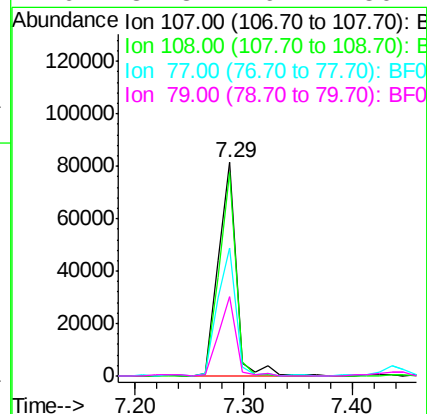
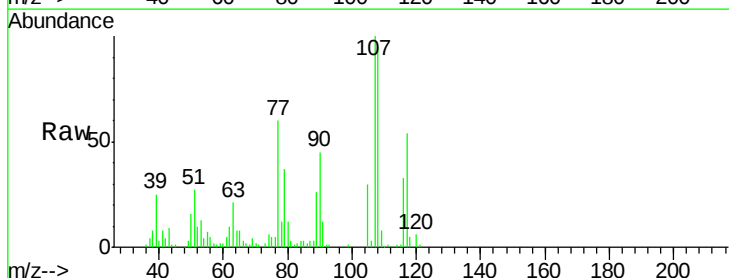
Ion Ratio Lower Upper

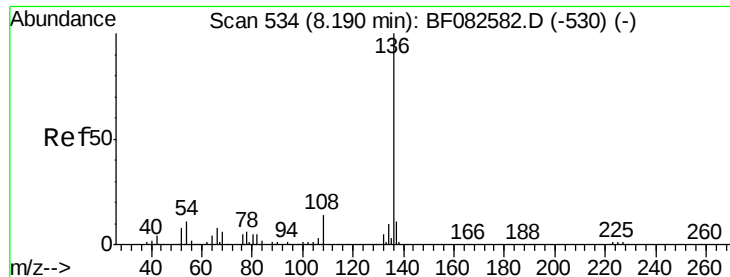
107 100

108 95.4 67.3 107.3

77 60.1 100.3 140.3#

79 37.3 16.2 56.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.02 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-002

Tgt Ion:136 Resp: 622262

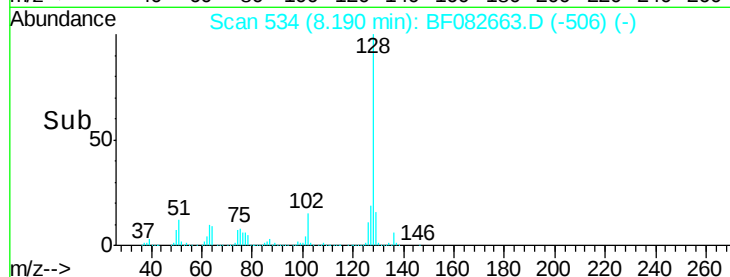
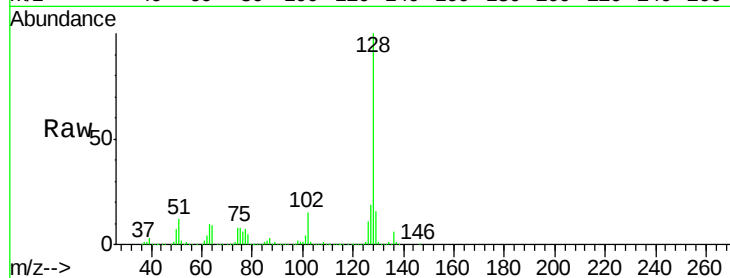
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.8 9.1 13.7#

68 6.2 4.8 7.2

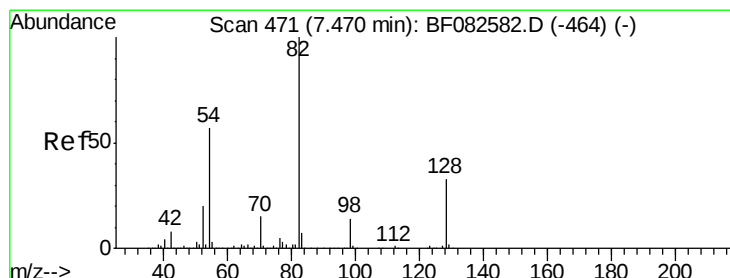
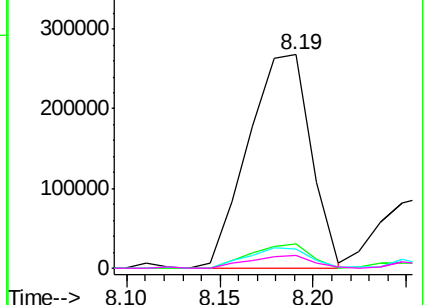


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 91.33 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

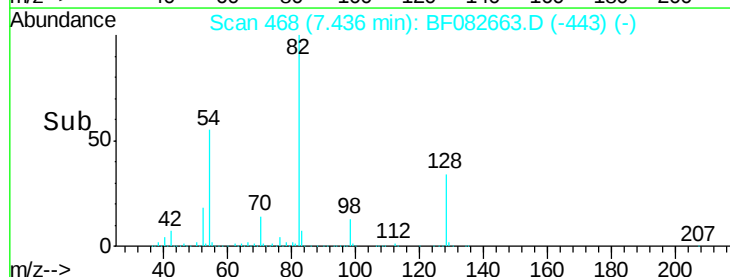
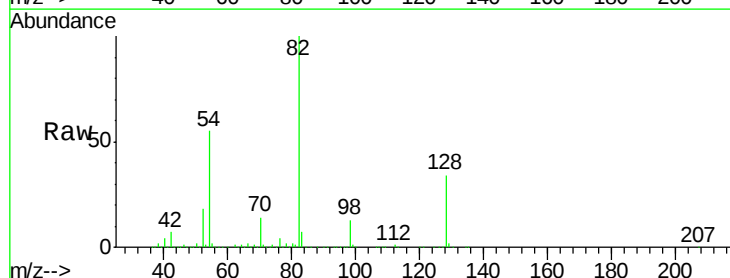
Tgt Ion: 82 Resp: 1391675

Ion Ratio Lower Upper

82 100

128 34.5 26.8 40.2

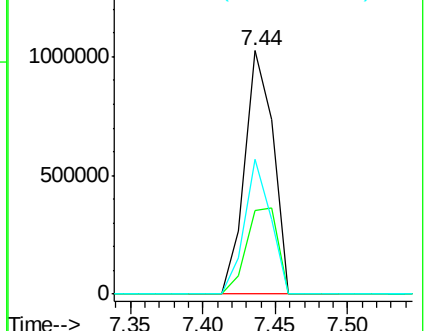
54 55.4 45.7 68.5

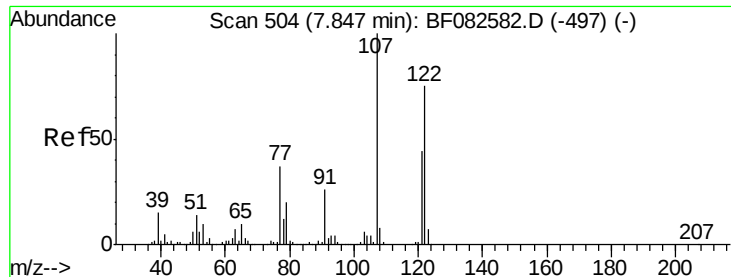


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 21.14 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

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ClientSampleId :

WC-SOIL-002

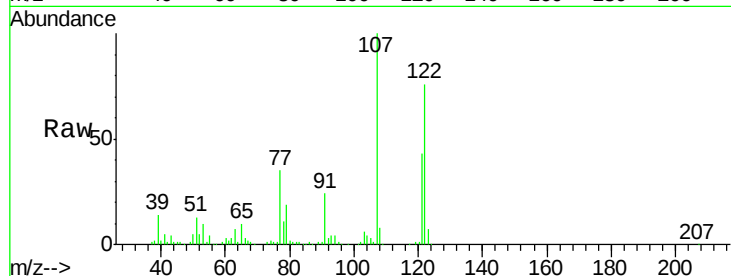
Tgt Ion:122 Resp: 232202

Ion Ratio Lower Upper

122 100

107 130.8 106.0 159.0

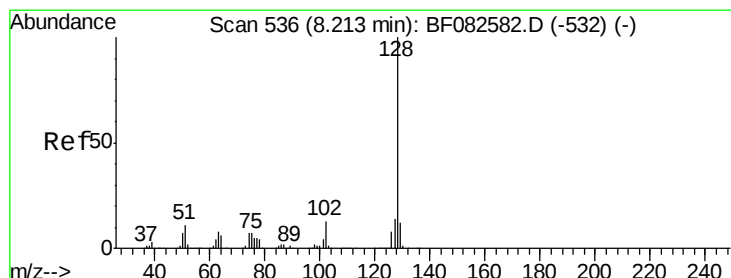
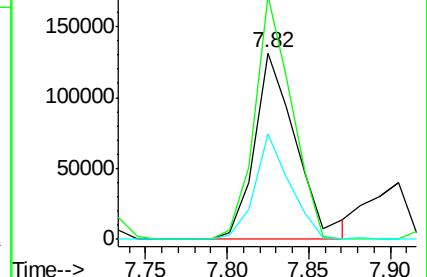
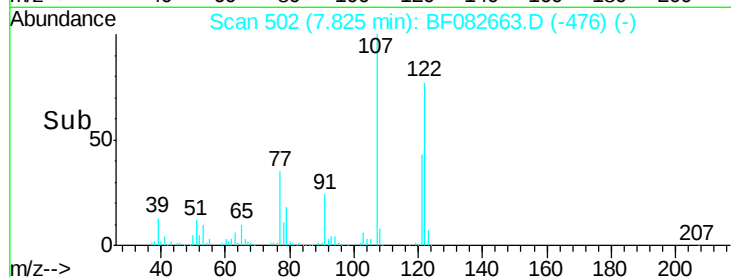
121 56.6 46.7 70.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 472.24 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.03 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

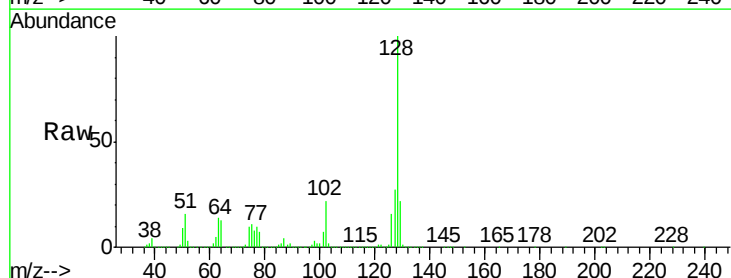
Tgt Ion:128 Resp:15900862

Ion Ratio Lower Upper

128 100

129 22.1 9.5 14.3#

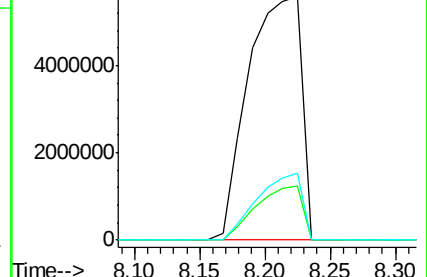
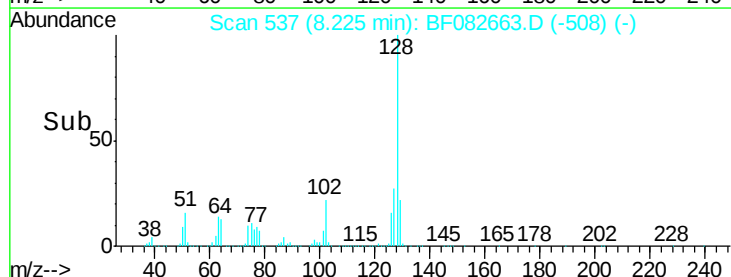
127 27.3 11.4 17.0#

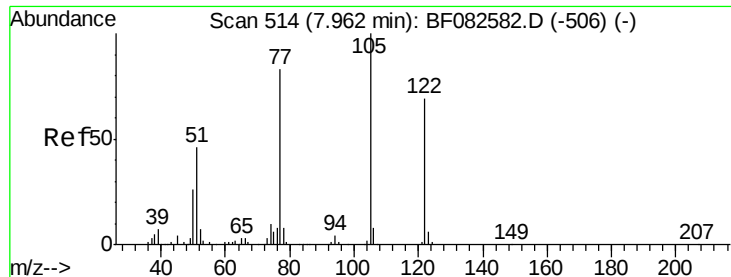


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

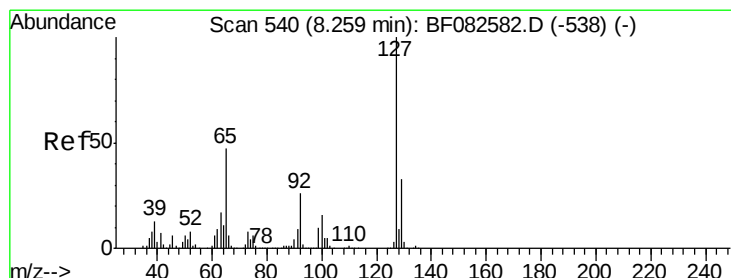
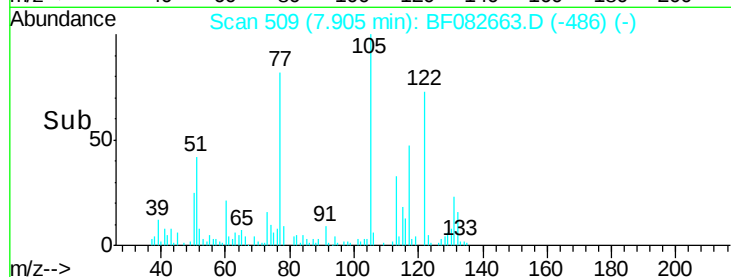
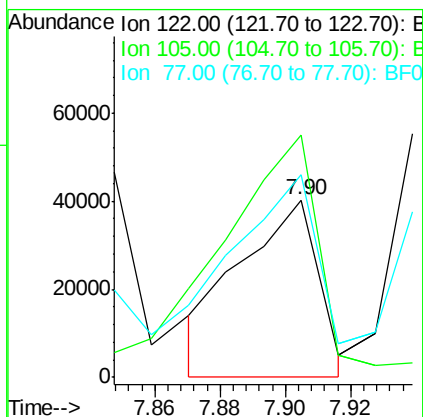
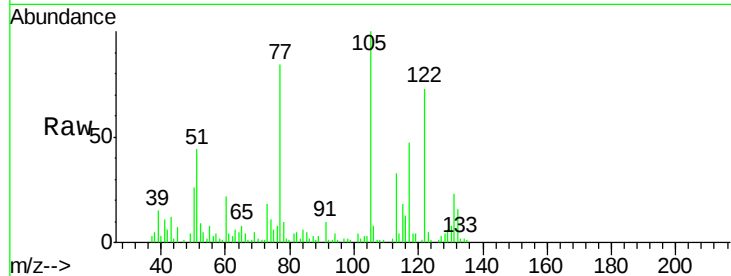




#32
Benzoic acid
Concen: 8.46 ng
RT: 7.90 min Scan# 509
Delta R.T. -0.03 min
Lab File: BF082663.D
Acq: 3 Nov 2015 16:24

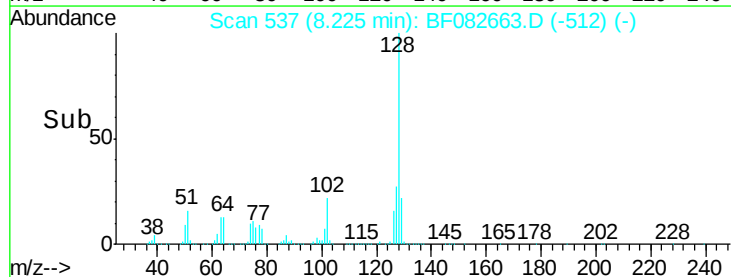
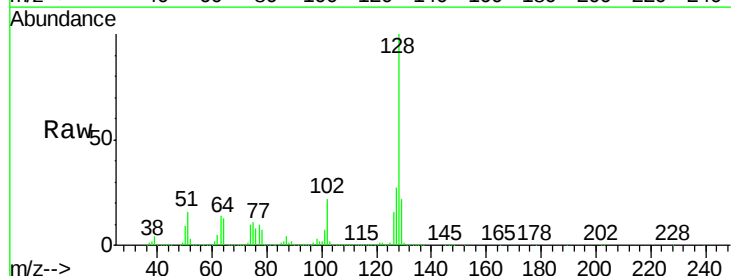
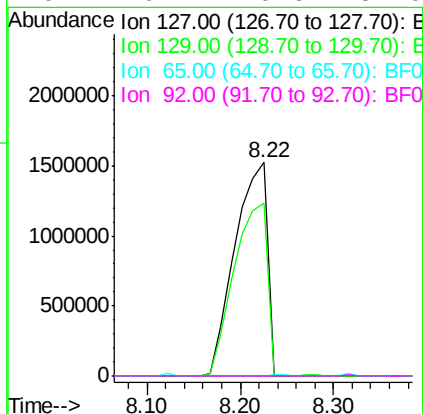
Instrument :
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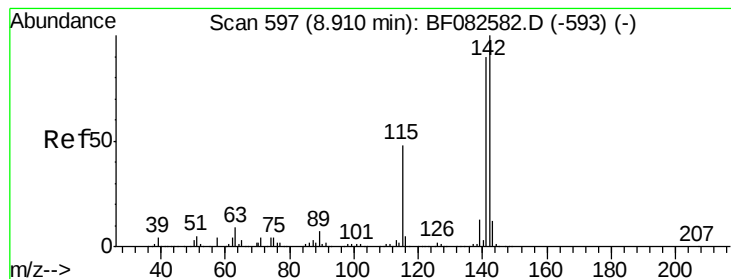
Tgt Ion:122 Resp: 67413
Ion Ratio Lower Upper
122 100
105 136.3 122.6 162.6
77 114.2 100.9 140.9



#33
4-Chloroaniline
Concen: 254.22 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF082663.D
Acq: 3 Nov 2015 16:24

Tgt Ion:127 Resp: 3654531
Ion Ratio Lower Upper
127 100
129 81.1 26.3 39.5#
65 0.0 37.8 56.8#
92 0.1 20.6 31.0#

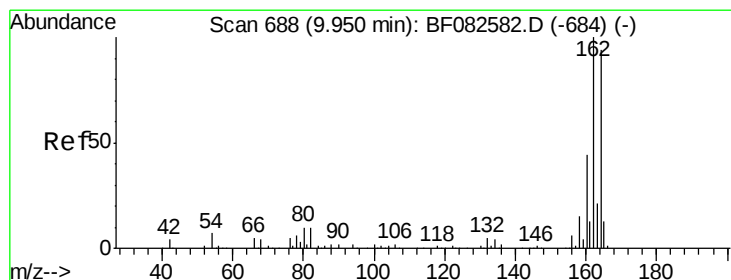
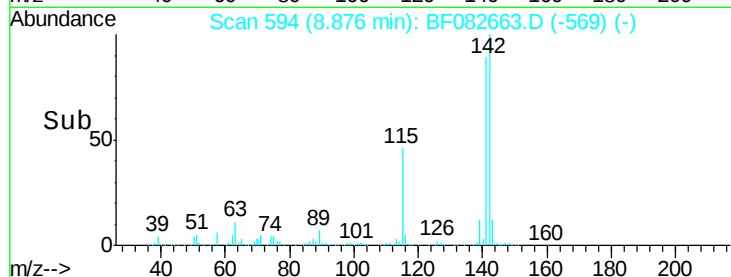
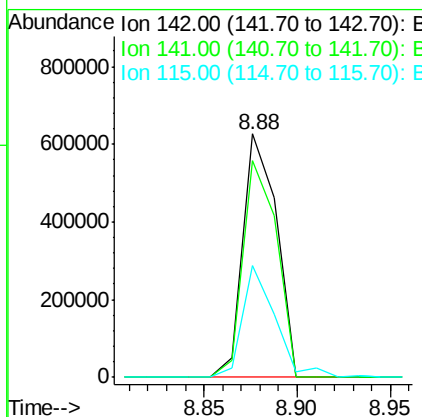
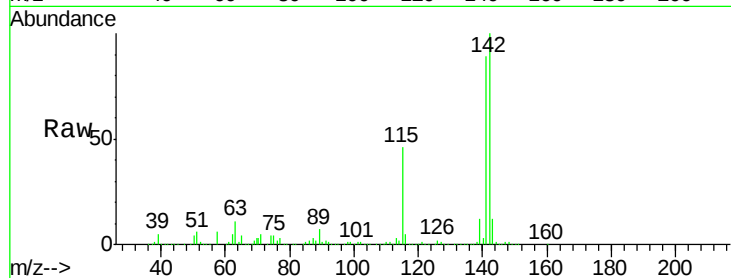




#37
 2-Methylnaphthalene
 Concen: 35.89 ng
 RT: 8.88 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: BF082663.D
 Acq: 3 Nov 2015 16:24

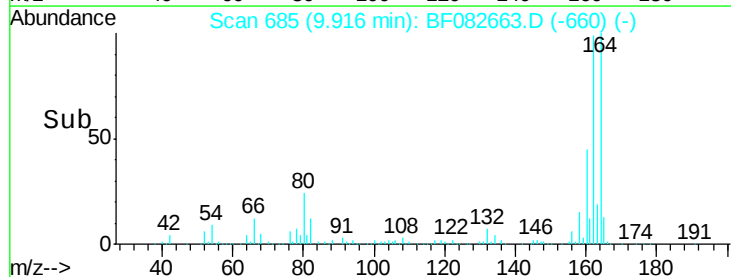
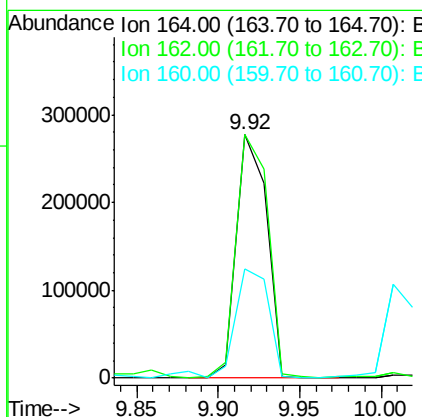
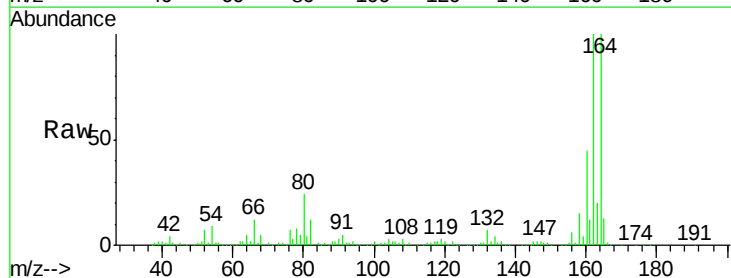
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-002

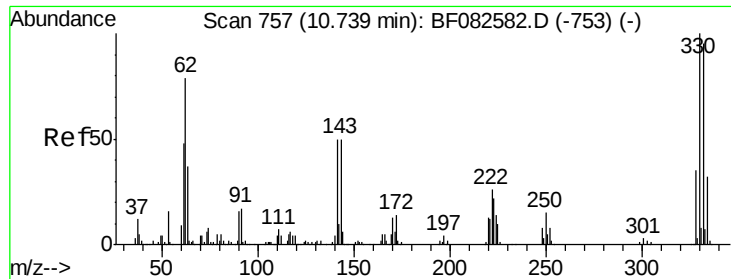
Tgt Ion:142 Resp: 783283
 Ion Ratio Lower Upper
 142 100
 141 88.9 72.3 108.5
 115 45.9 38.1 57.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: BF082663.D
 Acq: 3 Nov 2015 16:24

Tgt Ion:164 Resp: 355161
 Ion Ratio Lower Upper
 164 100
 162 100.0 84.9 127.3
 160 44.9 37.5 56.3

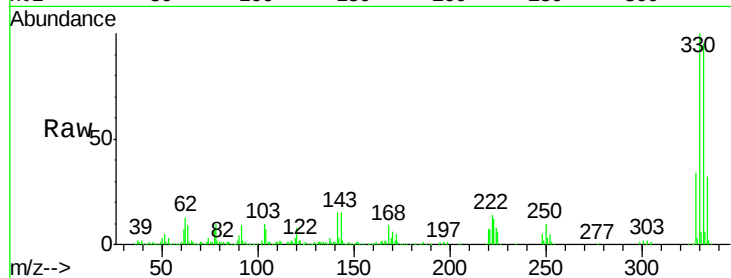




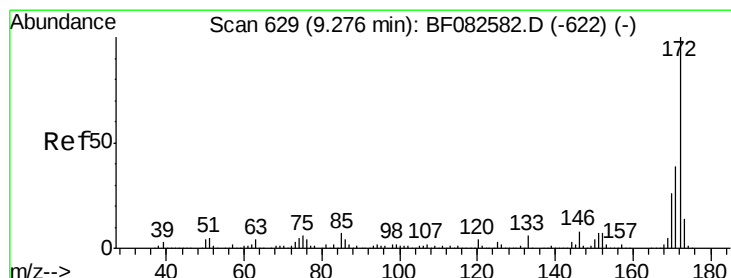
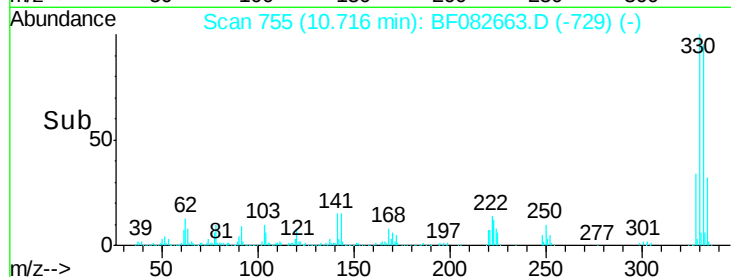
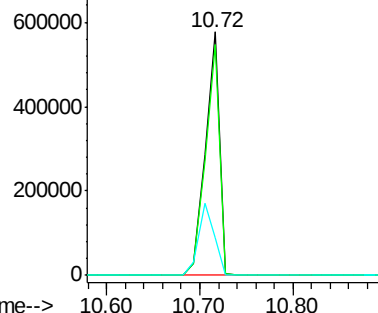
#41
 2,4,6-Tribromophenol
 Concen: 159.03 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: BF082663.D
 Acq: 3 Nov 2015 16:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-002

Tgt Ion:330 Resp: 618115
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 114.8
 141 33.1 41.2 61.8#

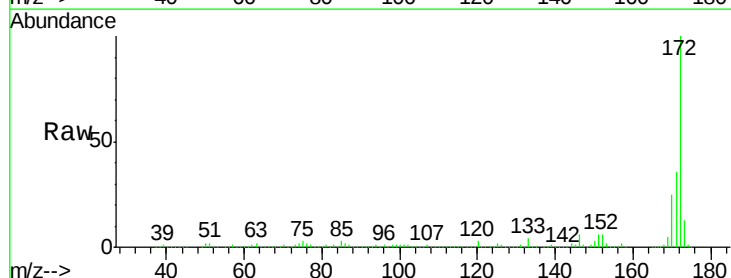


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

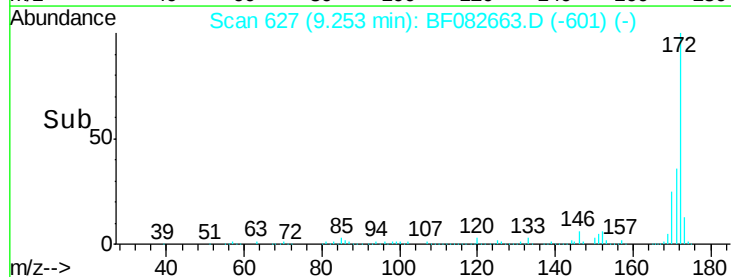
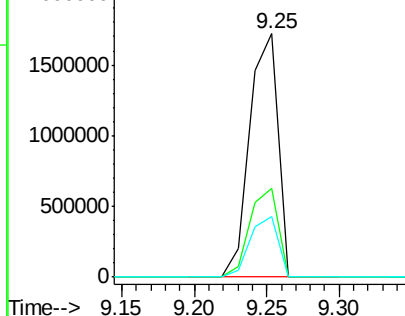


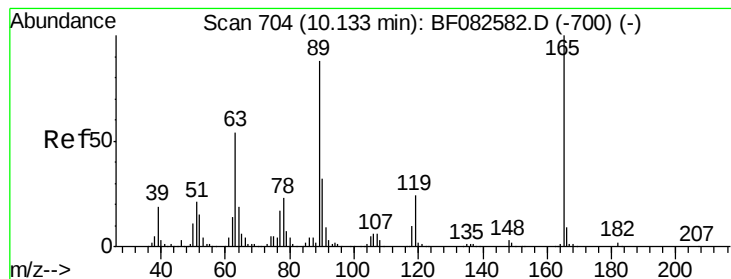
#44
 2-Fluorobiphenyl
 Concen: 93.10 ng
 RT: 9.25 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF082663.D
 Acq: 3 Nov 2015 16:24

Tgt Ion:172 Resp: 2328895
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.8 46.2
 170 24.7 21.2 31.8



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





#56

2,4-Dinitrotoluene

Concen: 5.66 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.19 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-002

Tgt Ion:165 Resp: 45979

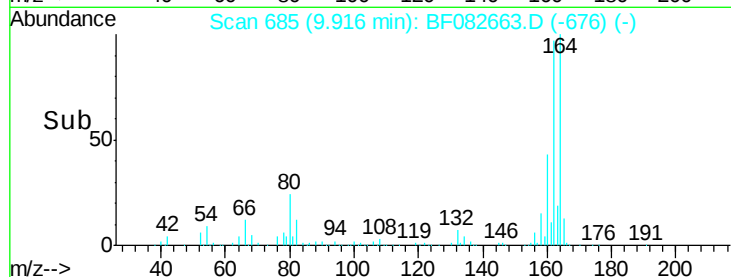
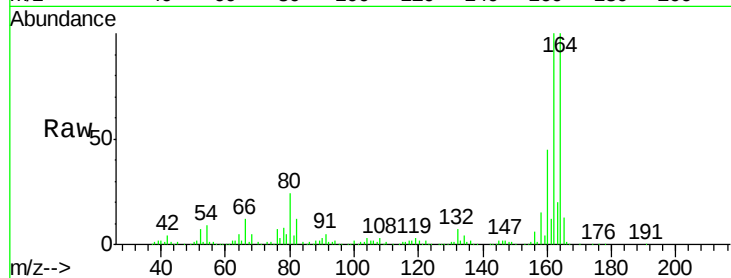
Ion Ratio Lower Upper

165 100

63 12.2 43.4 65.0#

89 12.0 70.6 106.0#

182 0.0 1.5 2.3#

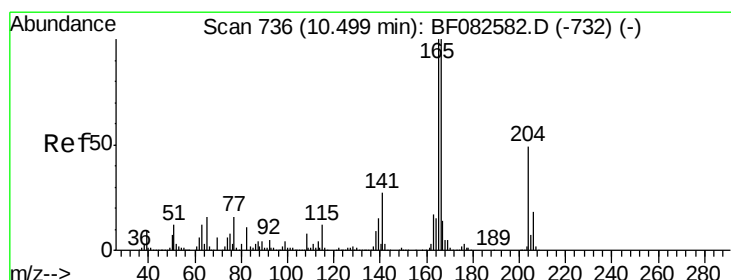
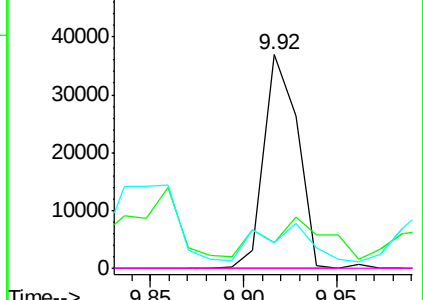


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 2.09 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

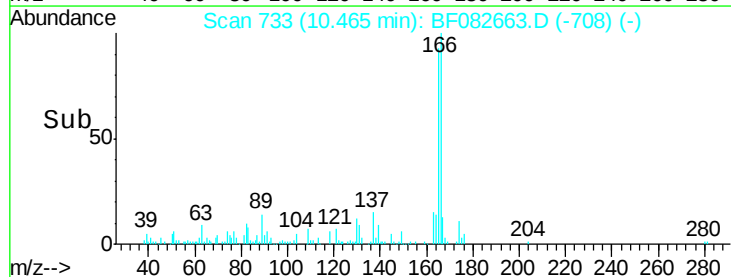
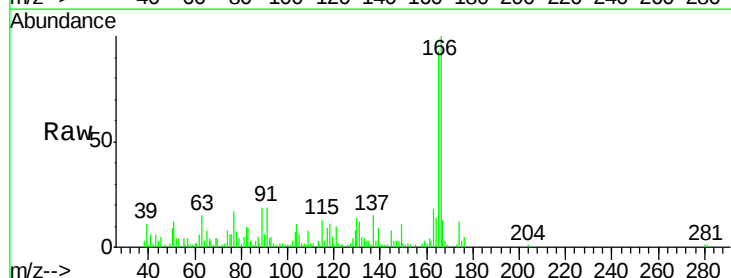
Tgt Ion:166 Resp: 54432

Ion Ratio Lower Upper

166 100

165 92.8 80.2 120.4

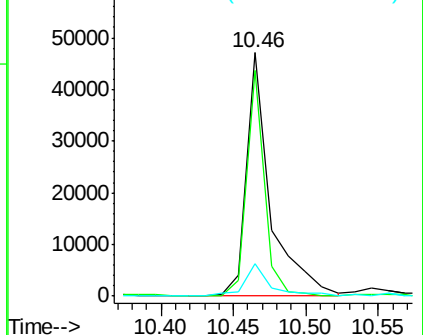
167 13.4 11.2 16.8

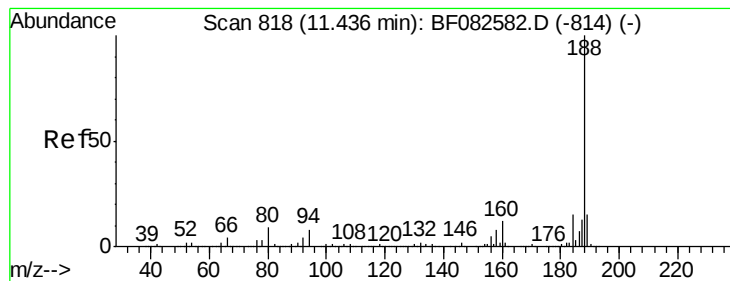


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.40 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-002

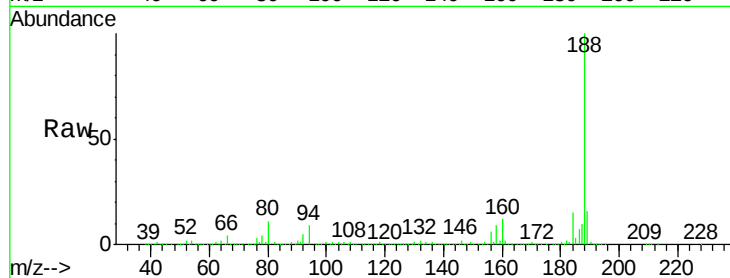
Tgt Ion:188 Resp: 668542

Ion Ratio Lower Upper

188 100

94 9.4 6.1 9.1#

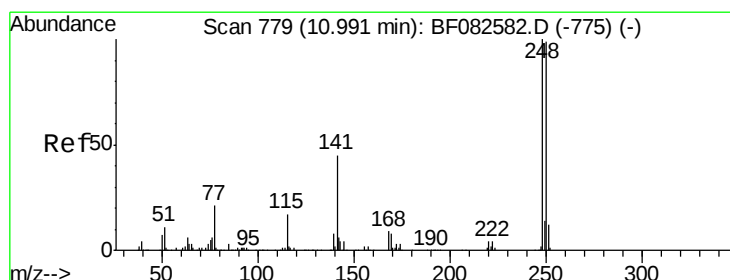
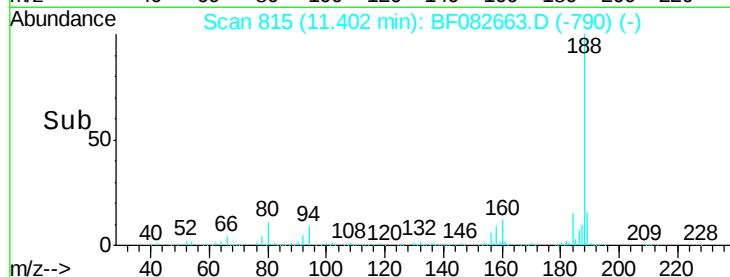
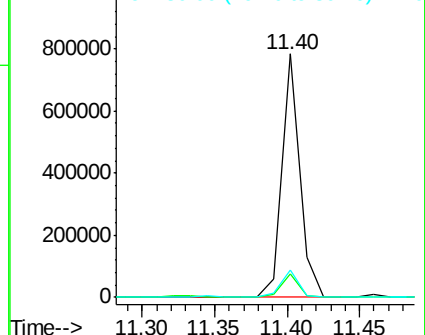
80 11.1 7.0 10.6#



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: 5.17 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.24 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

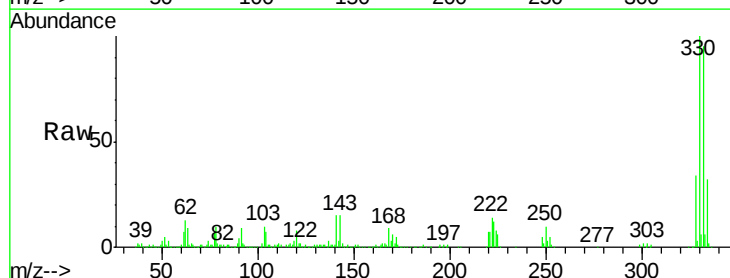
Tgt Ion:248 Resp: 39158

Ion Ratio Lower Upper

248 100

250 189.3 79.4 119.2#

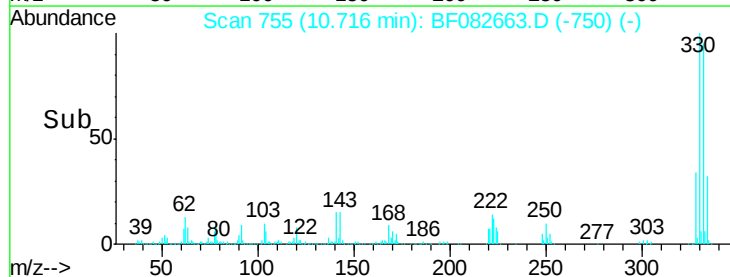
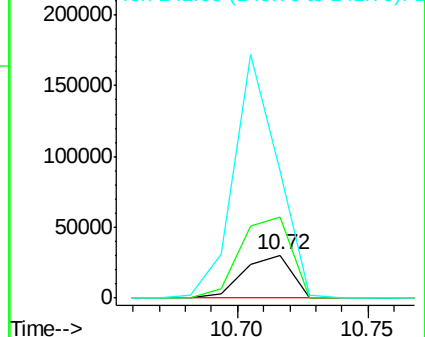
141 295.6 36.3 54.5#

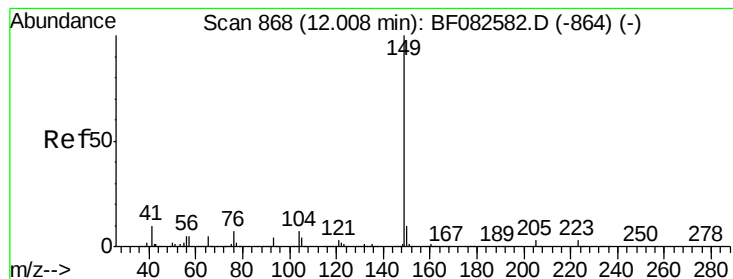


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#73

Di-n-butylphthalate

Concen: 9.27 ng

RT: 11.97 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-002

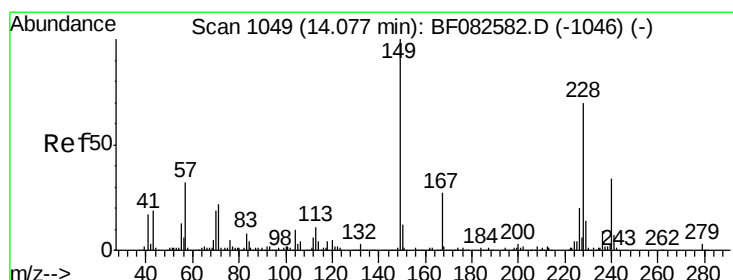
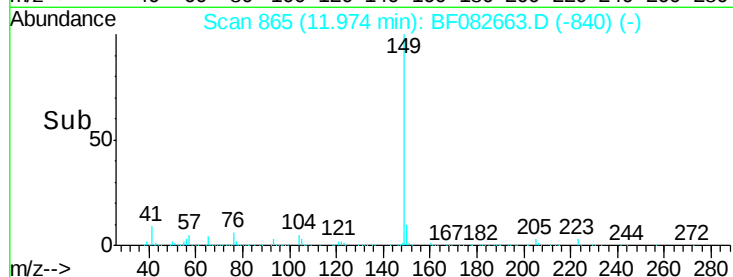
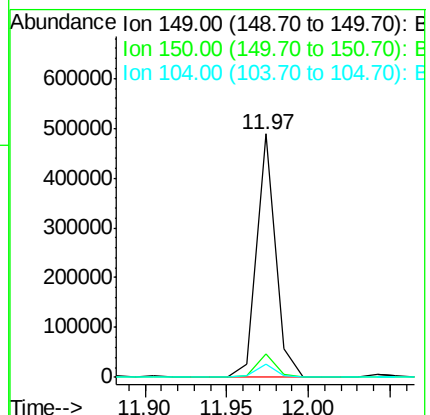
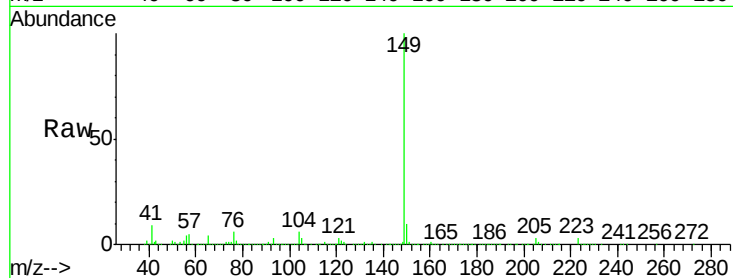
Tgt Ion:149 Resp: 390169

Ion Ratio Lower Upper

149 100

150 9.6 8.1 12.1

104 5.7 5.2 7.8



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF082663.D

Acq: 3 Nov 2015 16:24

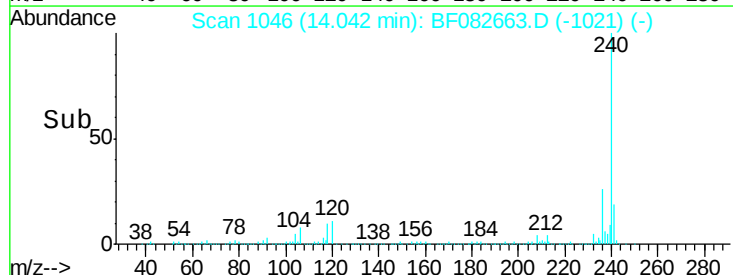
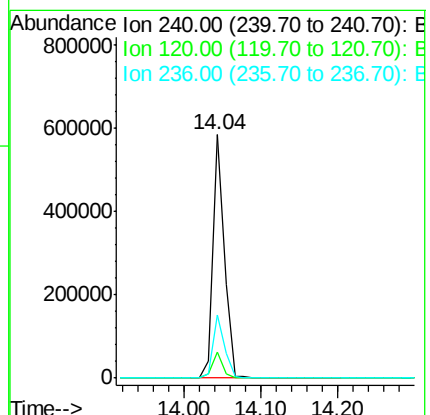
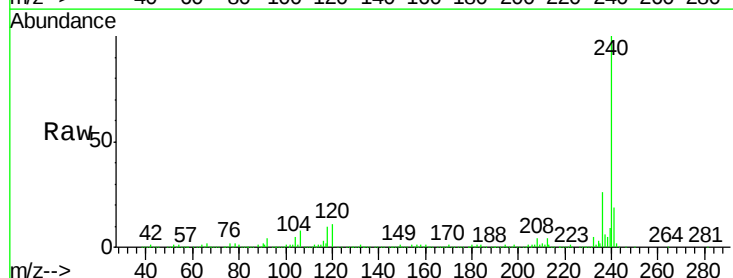
Tgt Ion:240 Resp: 594077

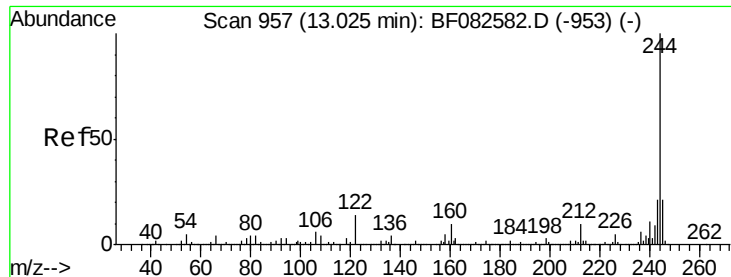
Ion Ratio Lower Upper

240 100

120 10.6 10.9 16.3#

236 26.2 21.6 32.4

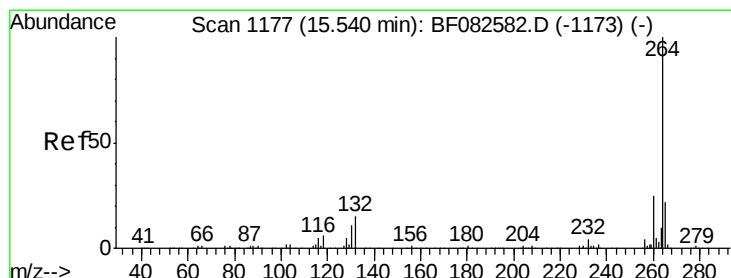
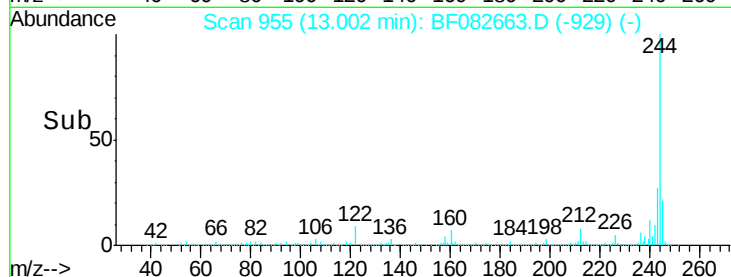
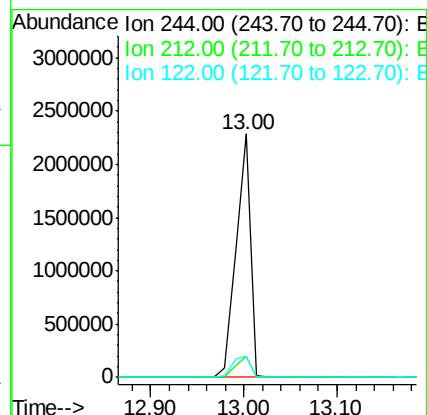
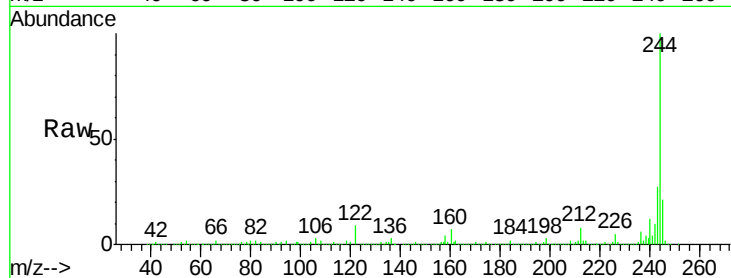




#78
 Terphenyl-d14
 Concen: 91.18 ng
 RT: 13.00 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: BF082663.D
 Acq: 3 Nov 2015 16:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-002

Tgt Ion:244 Resp: 2475270
 Ion Ratio Lower Upper
 244 100
 212 8.3 7.6 11.4
 122 8.5 11.3 16.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF082663.D
 Acq: 3 Nov 2015 16:24

Tgt Ion:264 Resp: 424638
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.8 29.6
 265 21.7 17.4 26.0

