

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110315\
 Data File : BF082666.D
 Acq On : 3 Nov 2015 17:52
 Operator : UM/IZ
 Sample : G4236-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-005

Quant Time: Nov 04 03:15:27 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

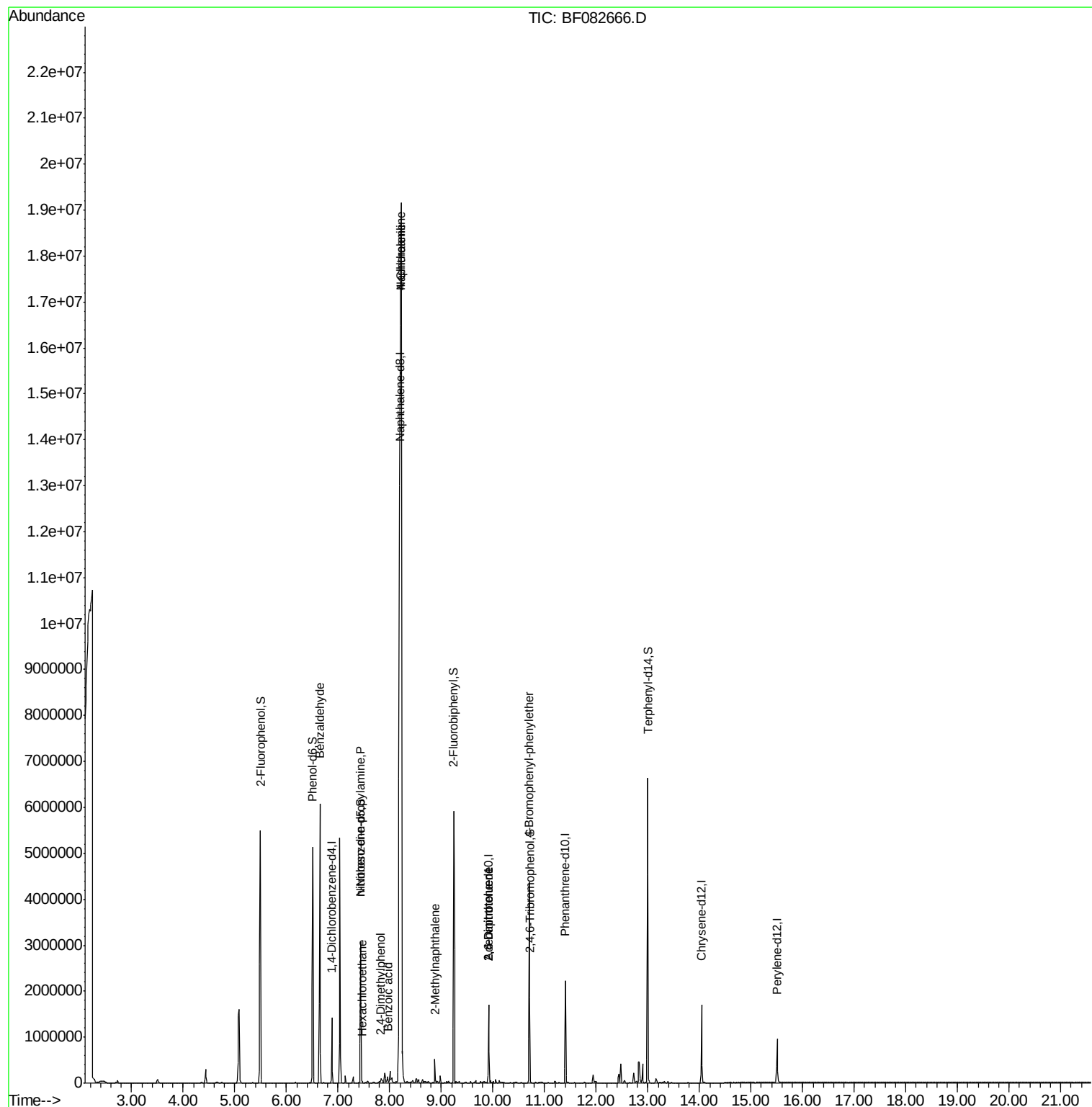
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	185165	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	614432	20.00	ng	0.02
38) Acenaphthene-d10	9.92	164	357376	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	723621	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	577199	20.00	ng	-0.01
86) Perylene-d12	15.51	264	415323	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1461265	118.86	ng	0.02
7) Phenol-d6	6.51	99	1668055	102.13	ng	0.00
23) Nitrobenzene-d5	7.44	82	1419035	94.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	623676	159.46	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	2246208	89.24	ng	-0.01
78) Terphenyl-d14	13.00	244	2587621	98.11	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	44925	4.03	ng	86
18) Hexachloroethane	7.47	117	15843	2.70	ng	# 4
19) n-Nitroso-di-n-propylamine	7.44	70	194924	15.74	ng	# 73
27) 2,4-Dimethylphenol	7.82	122	23581	2.17	ng	90
31) Naphthalene	8.22	128	16604943	499.44	ng	# 69
32) Benzoic acid	7.96	122	20520	2.61	ng	# 8
33) 4-Chloroaniline	8.22	127	3861129	272.02	ng	# 29
37) 2-Methylnaphthalene	8.88	142	127284	5.91	ng	94
50) 2,6-Dinitrotoluene	9.92	165	46469	7.68	ng	# 17
56) 2,4-Dinitrotoluene	9.92	165	46471	5.68	ng	# 16
66) 4-Bromophenyl-phenylether	10.70	248	37308	4.55	ng	# 1

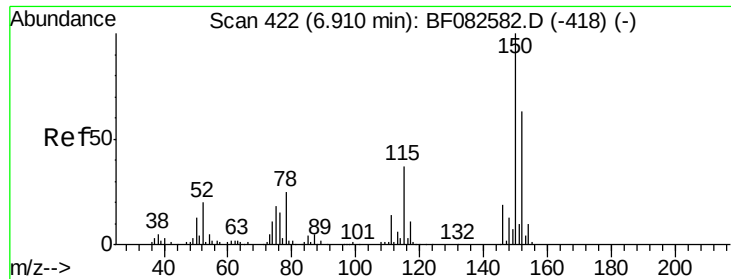
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 13 Sample Multiplier: 1

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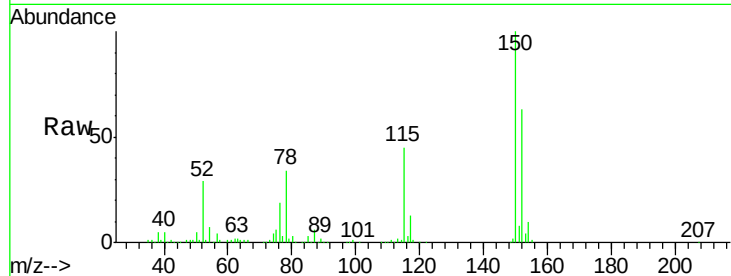


#1

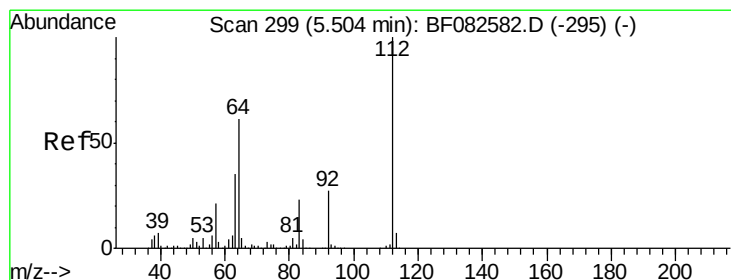
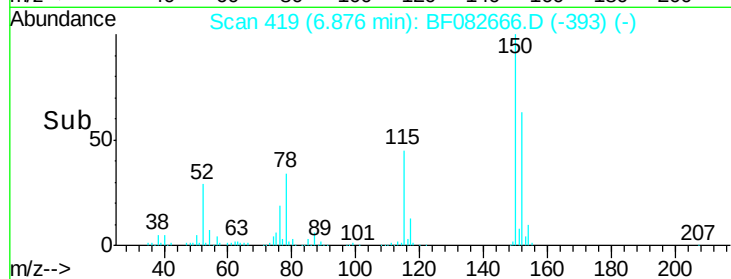
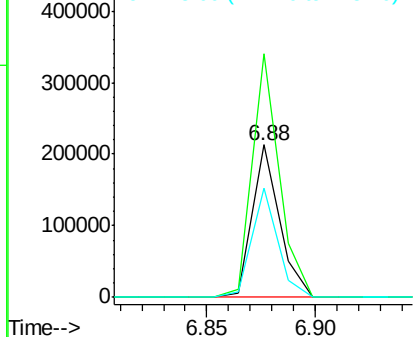
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: BF082666.D
 Acq: 3 Nov 2015 17:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-005

Tgt Ion:152 Resp: 185165
 Ion Ratio Lower Upper
 152 100
 150 160.0 127.0 190.4
 115 72.0 47.0 70.6#



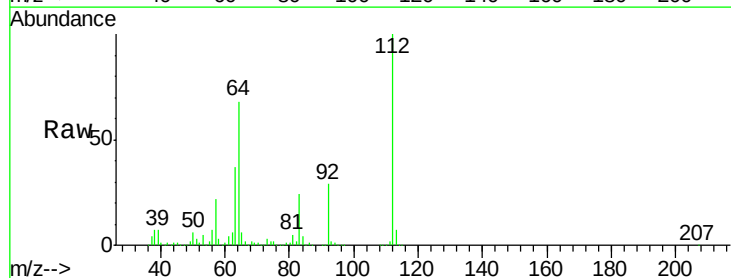
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



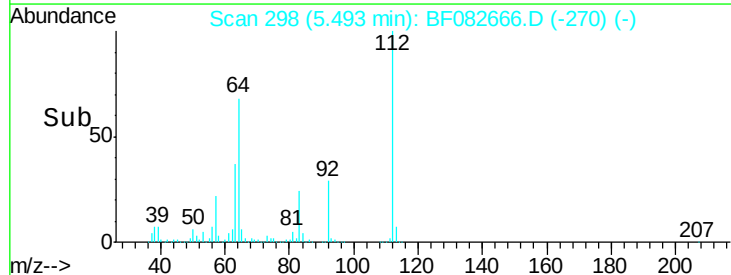
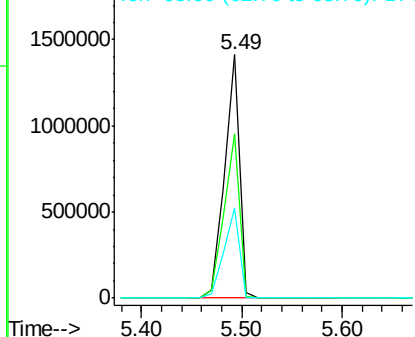
#5

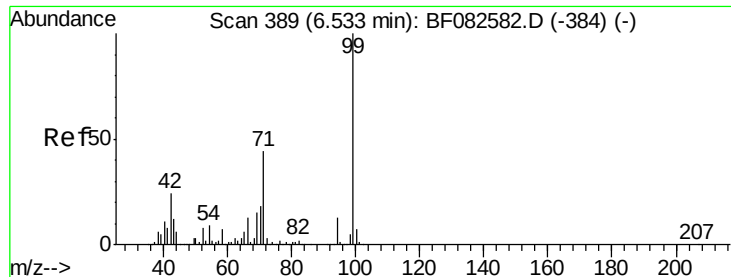
2-Fluorophenol
 Concen: 118.86 ng
 RT: 5.49 min Scan# 298
 Delta R.T. 0.02 min
 Lab File: BF082666.D
 Acq: 3 Nov 2015 17:52

Tgt Ion:112 Resp: 1461265
 Ion Ratio Lower Upper
 112 100
 64 67.7 48.9 73.3
 63 36.8 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: 102.13 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-005

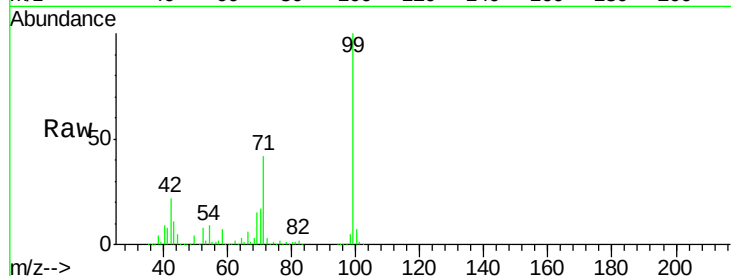
Tgt Ion: 99 Resp: 1668055

Ion Ratio Lower Upper

99 100

42 22.2 19.2 28.8

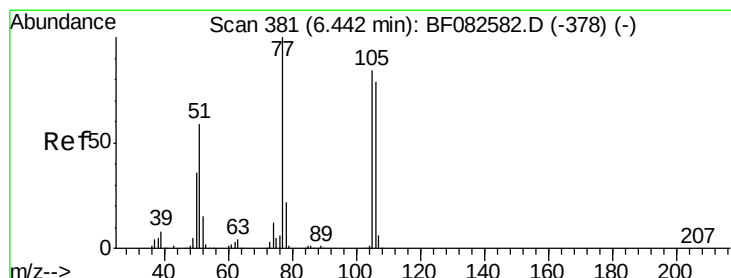
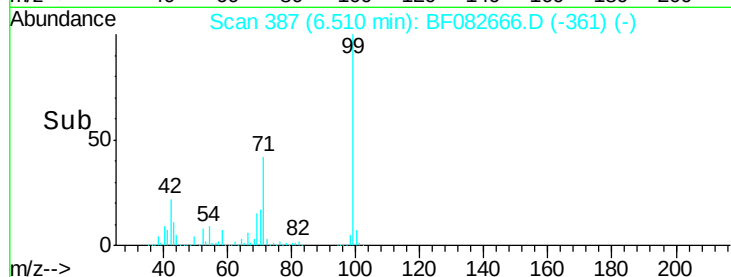
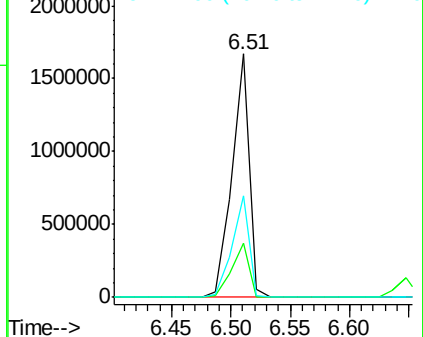
71 41.8 35.0 52.4



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: BF082666.D

Acq: 3 Nov 2015 17:52

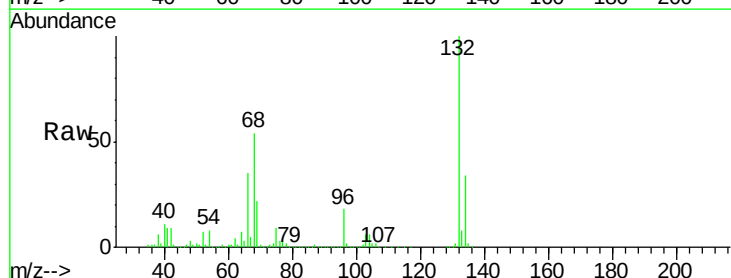
Tgt Ion: 77 Resp: 44925

Ion Ratio Lower Upper

77 100

105 72.2 63.5 103.5

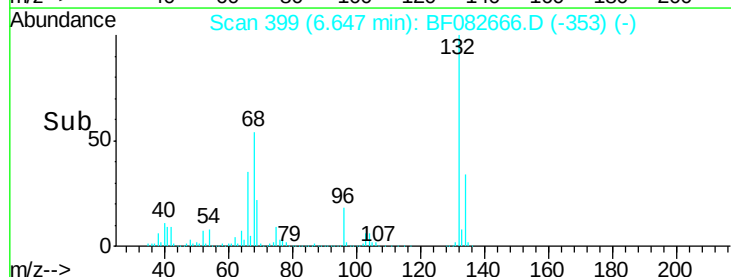
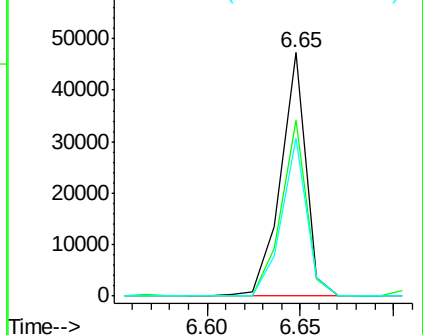
106 65.0 59.3 99.3

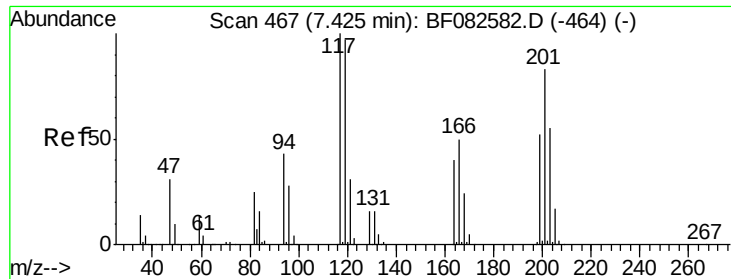


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#18

Hexachloroethane

Concen: 2.70 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.07 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-005

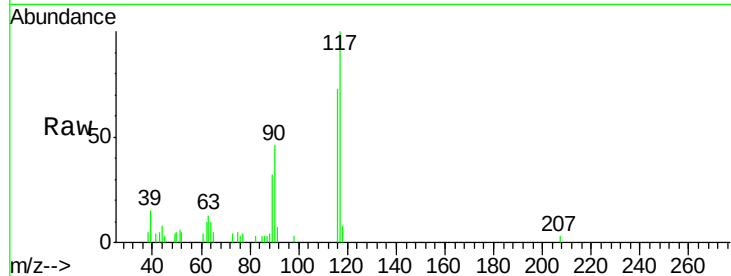
Tgt Ion: 117 Resp: 15843

Ion Ratio Lower Upper

117 100

119 0.0 77.7 116.5#

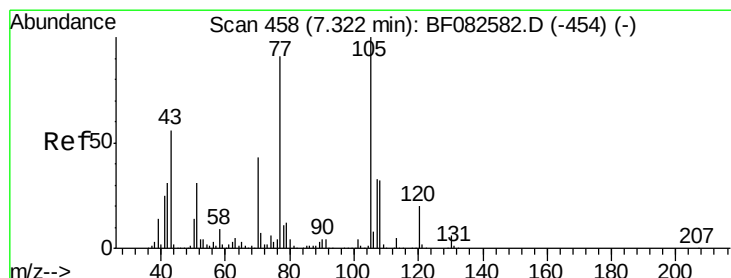
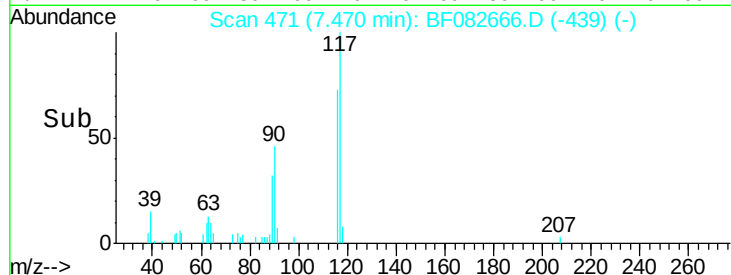
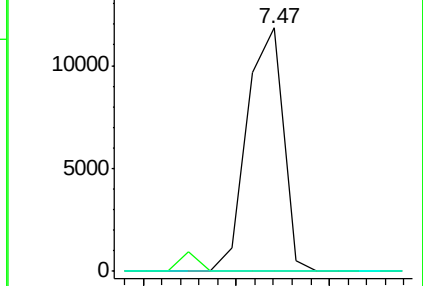
201 0.0 66.7 100.1#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 15.74 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

Tgt Ion: 70 Resp: 194924

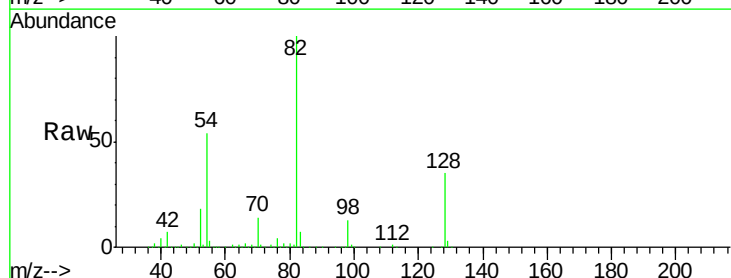
Ion Ratio Lower Upper

70 100

42 50.2 57.7 86.5#

101 0.0 7.0 10.6#

130 1.5 11.8 17.6#

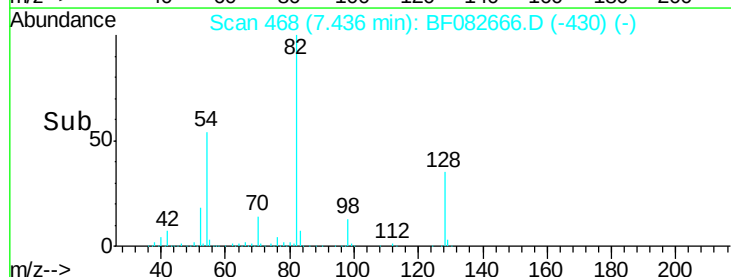
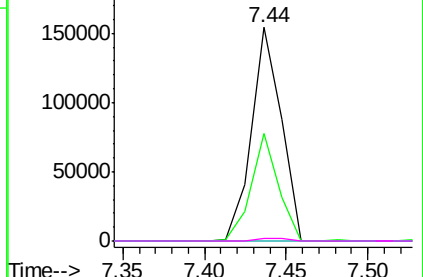


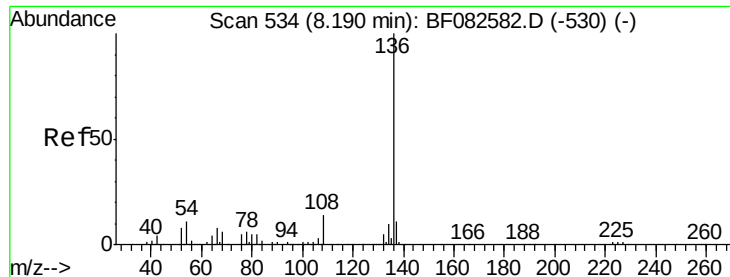
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

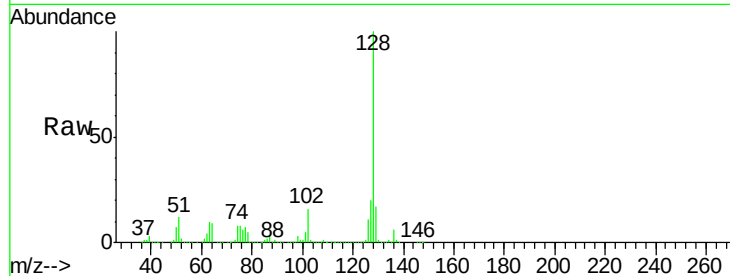




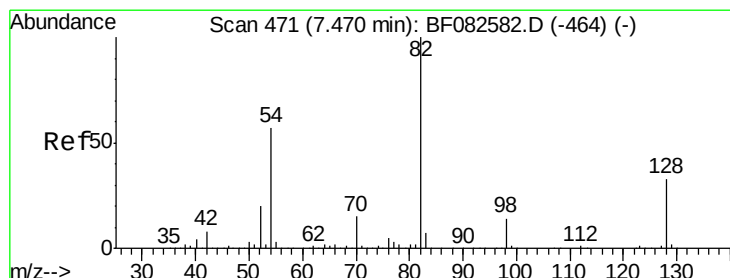
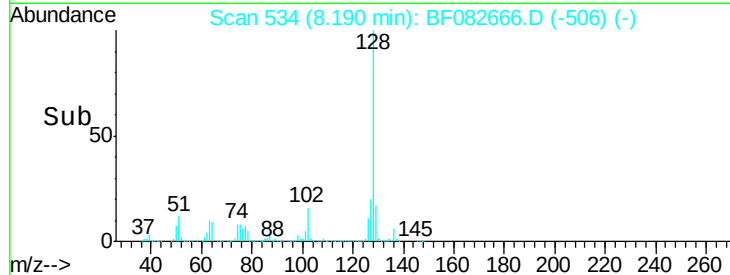
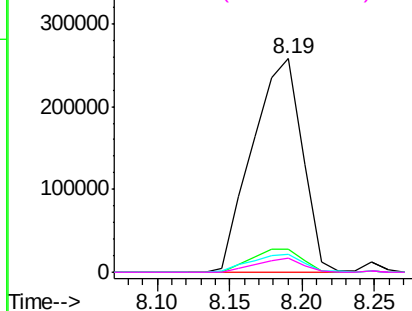
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.02 min
Lab File: BF082666.D
Acq: 3 Nov 2015 17:52

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-005

Tgt Ion:	136	Resp:	614432
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	8.3	9.1	13.7#
68	6.5	4.8	7.2

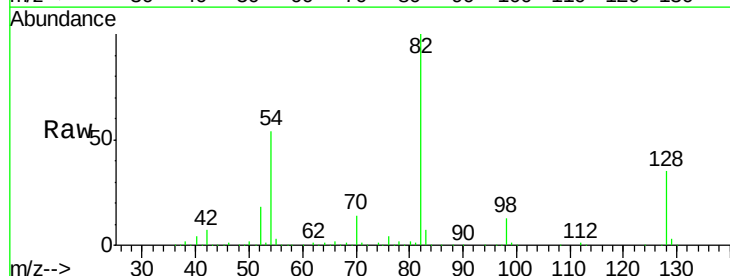


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

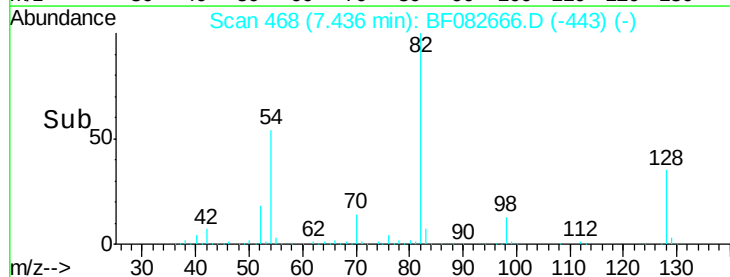
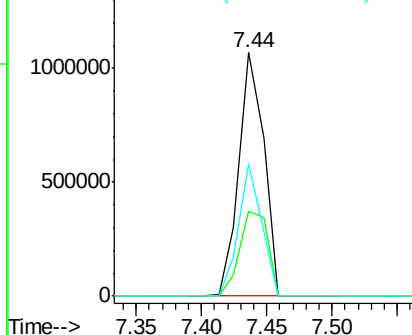


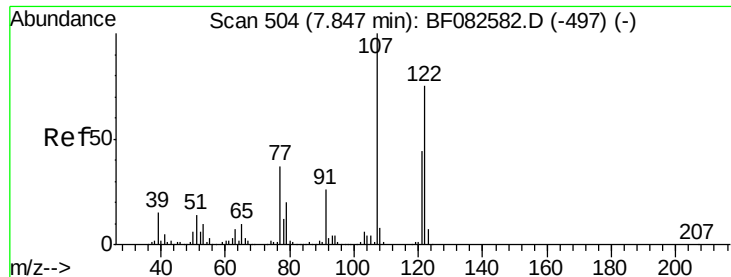
#23
Nitrobenzene-d5
Concen: 94.31 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF082666.D
Acq: 3 Nov 2015 17:52

Tgt Ion:	82	Resp:	1419035
Ion	Ratio	Lower	Upper
82	100		
128	34.9	26.8	40.2
54	54.3	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: 2.17 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-005

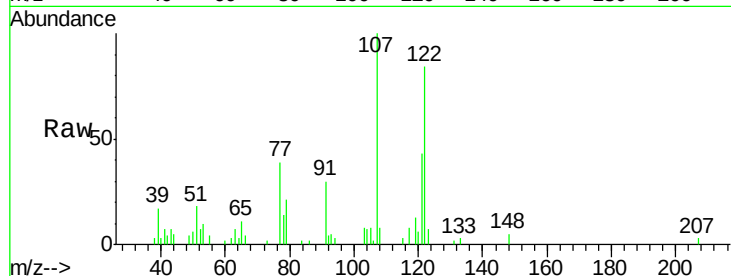
Tgt Ion:122 Resp: 23581

Ion Ratio Lower Upper

122 100

107 119.8 106.0 159.0

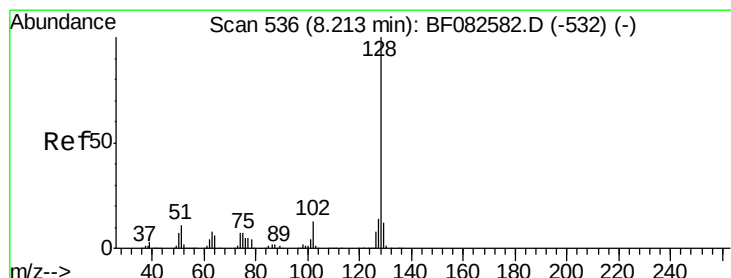
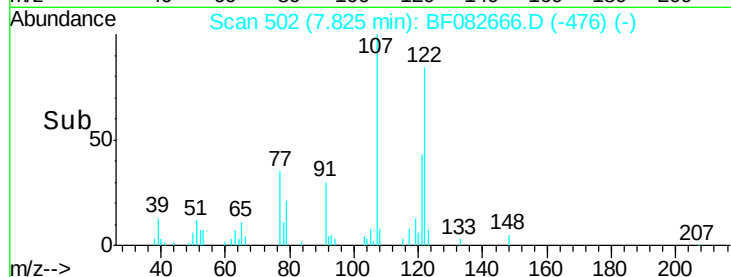
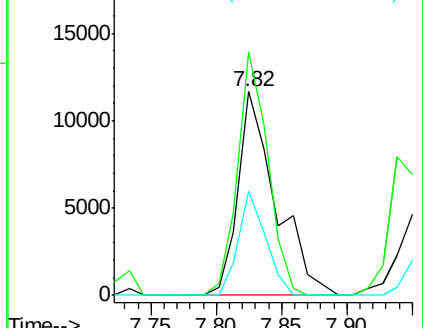
121 51.3 46.7 70.1



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: 499.44 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.03 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

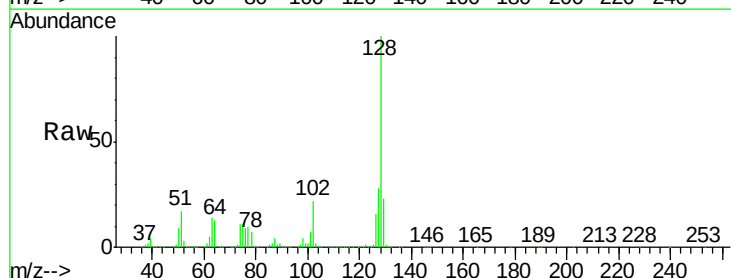
Tgt Ion:128 Resp:16604943

Ion Ratio Lower Upper

128 100

129 22.7 9.5 14.3#

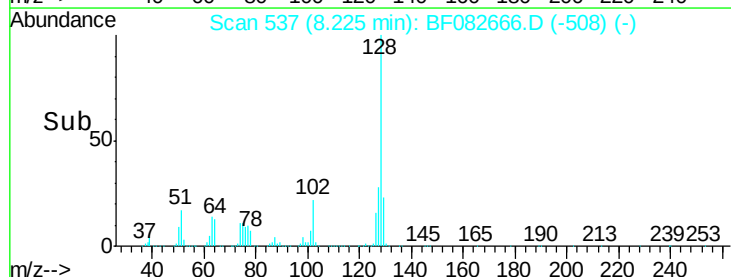
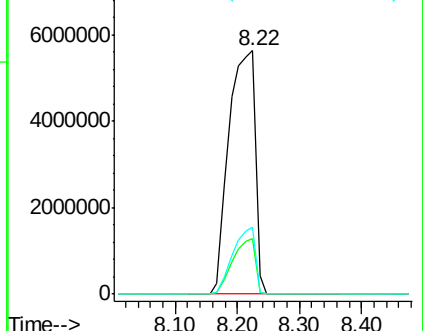
127 27.7 11.4 17.0#

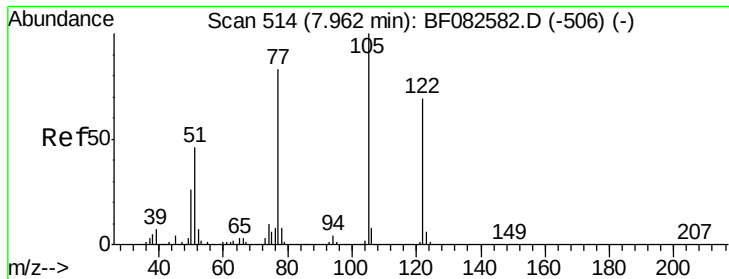


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 2.61 ng

RT: 7.96 min Scan# 514

Delta R.T. 0.02 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

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WC-SOIL-005

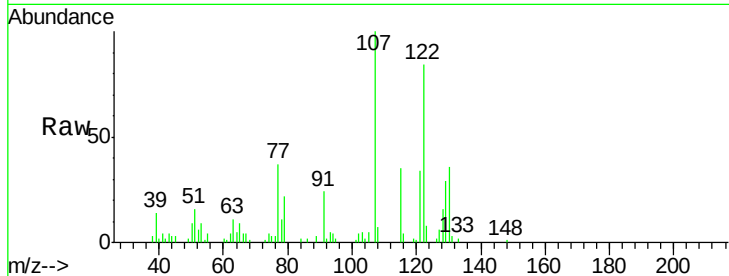
Tgt Ion:122 Resp: 20520

Ion Ratio Lower Upper

122 100

105 5.5 122.6 162.6#

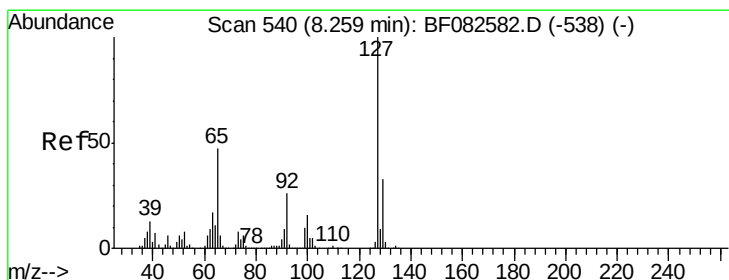
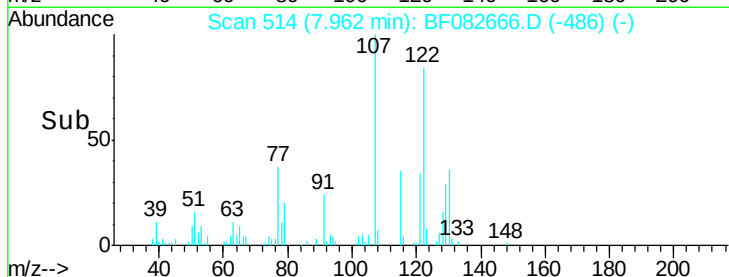
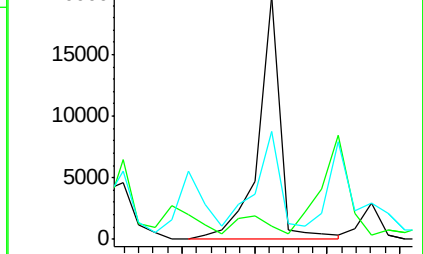
77 44.1 100.9 140.9#



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: 272.02 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

Tgt Ion:127 Resp: 3861129

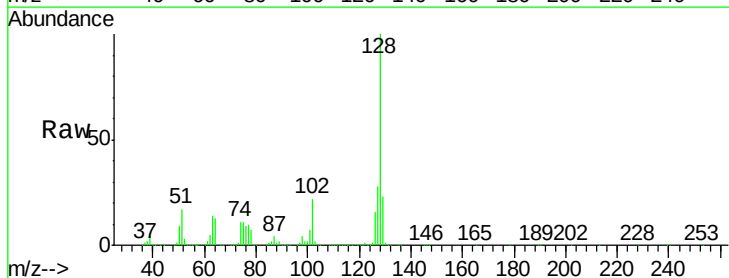
Ion Ratio Lower Upper

127 100

129 81.9 26.3 39.5#

65 0.0 37.8 56.8#

92 0.0 20.6 31.0#

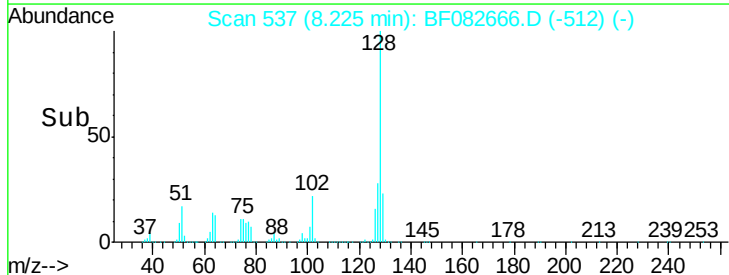
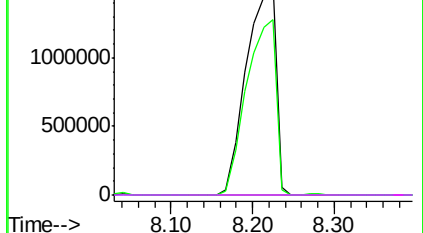


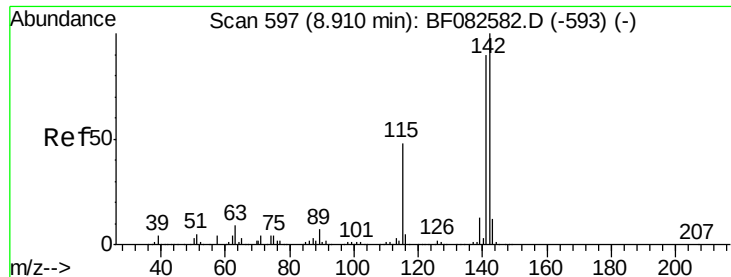
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 5.91 ng

RT: 8.88 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-005

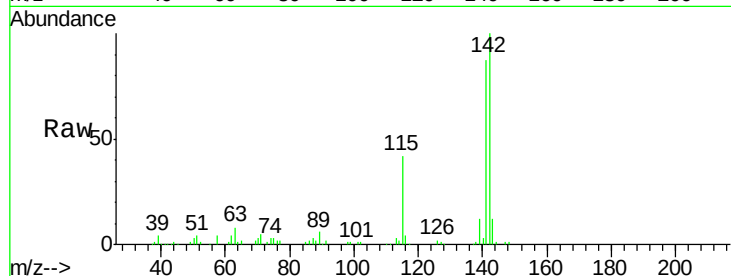
Tgt Ion:142 Resp: 127284

Ion Ratio Lower Upper

142 100

141 86.6 72.3 108.5

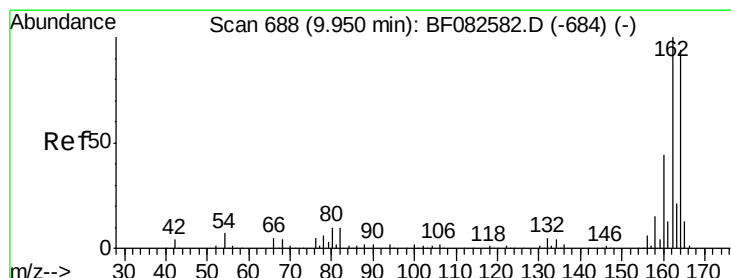
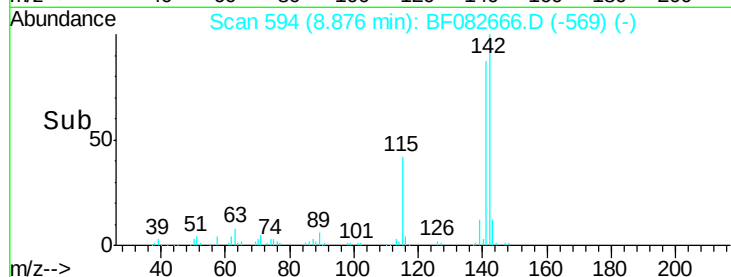
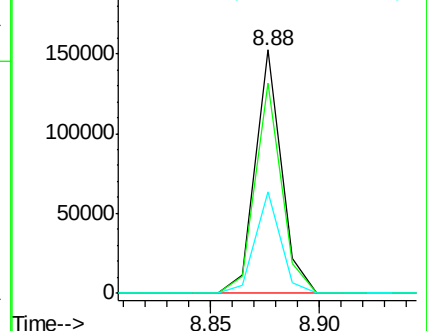
115 41.6 38.1 57.1



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: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

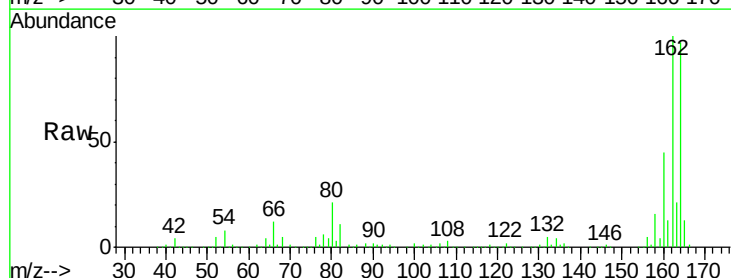
Tgt Ion:164 Resp: 357376

Ion Ratio Lower Upper

164 100

162 102.6 84.9 127.3

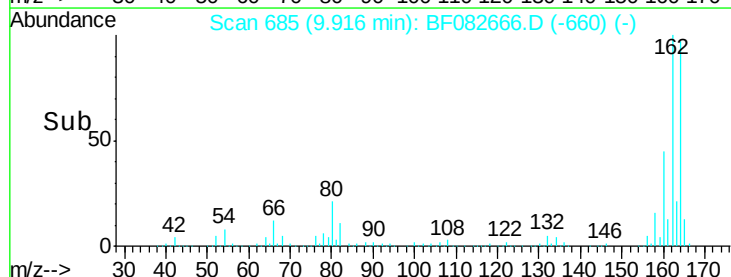
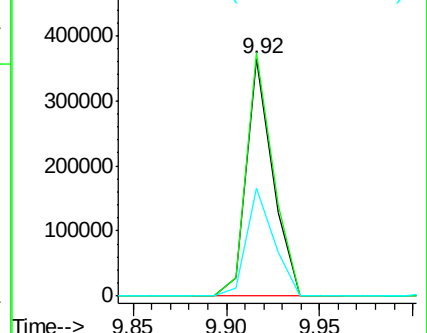
160 45.7 37.5 56.3

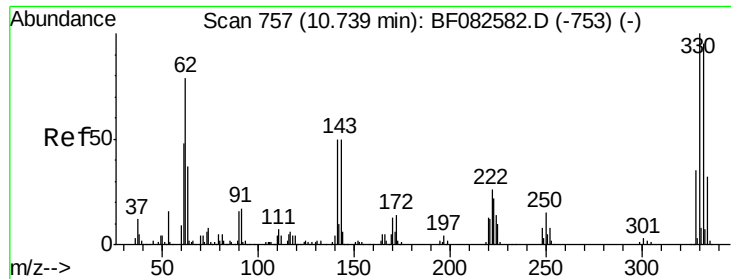


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

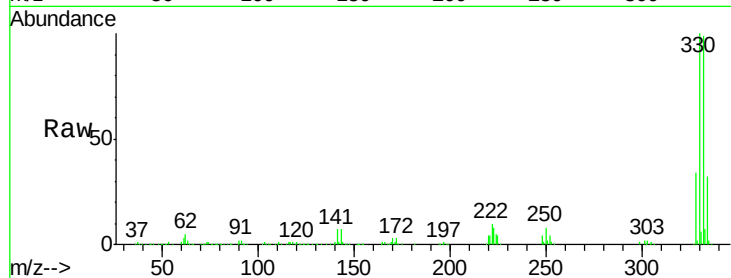




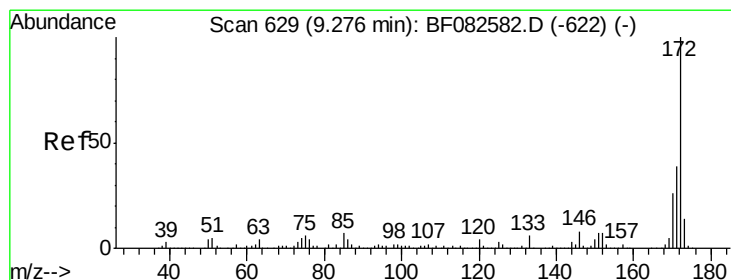
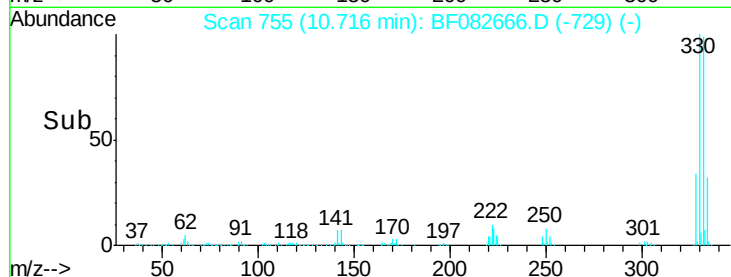
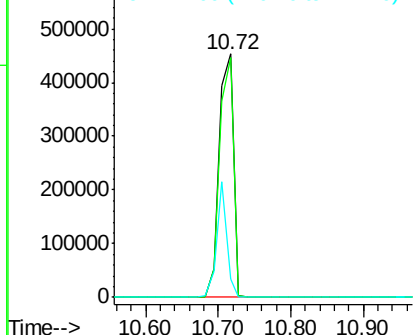
#41
 2,4,6-Tribromophenol
 Concen: 159.46 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: BF082666.D
 Acq: 3 Nov 2015 17:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-005

Tgt Ion:330 Resp: 623676
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 114.8
 141 33.4 41.2 61.8#

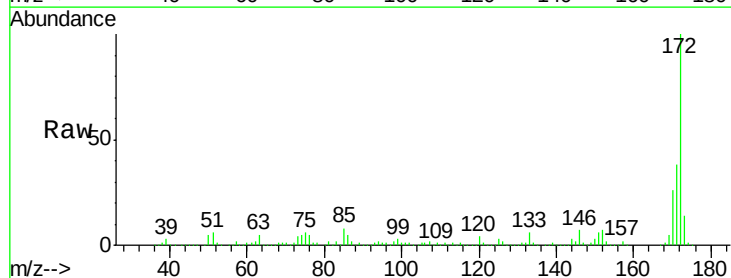


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

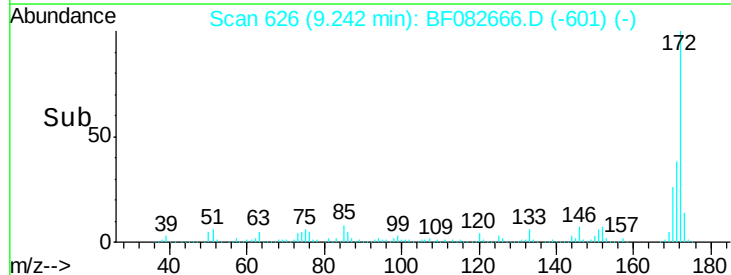
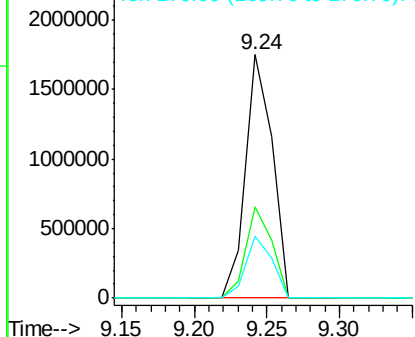


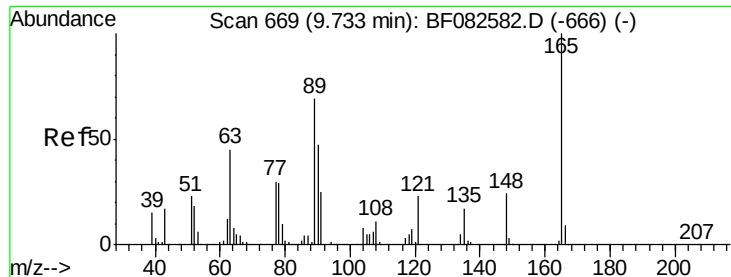
#44
 2-Fluorobiphenyl
 Concen: 89.24 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF082666.D
 Acq: 3 Nov 2015 17:52

Tgt Ion:172 Resp: 2246208
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.8 46.2
 170 25.6 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

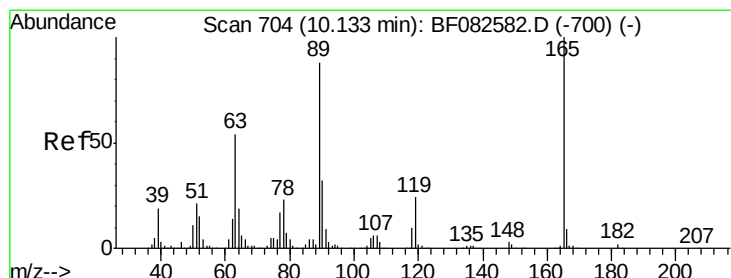
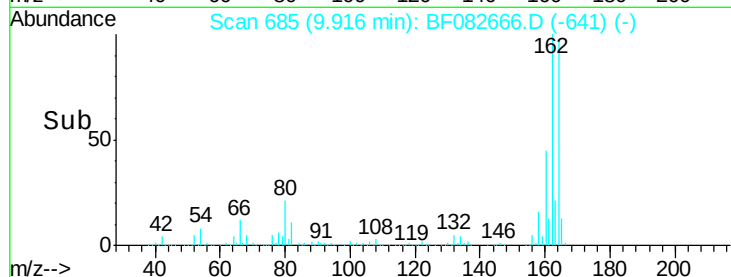
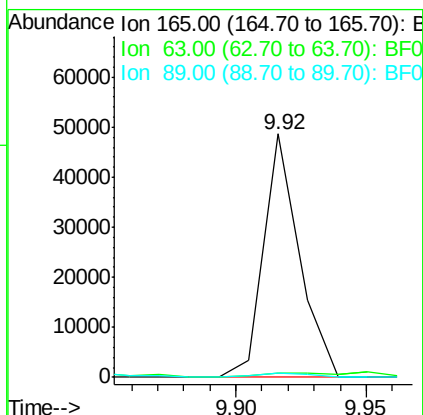
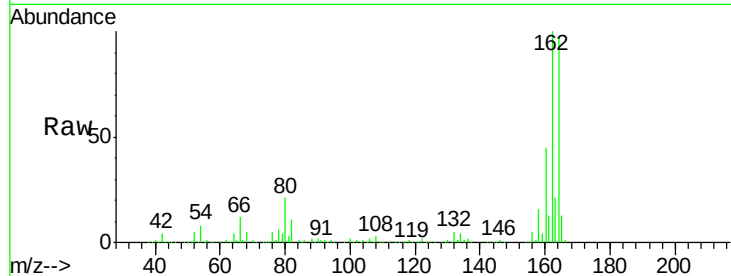




#50
 2,6-Dinitrotoluene
 Concen: 7.68 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.21 min
 Lab File: BF082666.D
 Acq: 3 Nov 2015 17:52

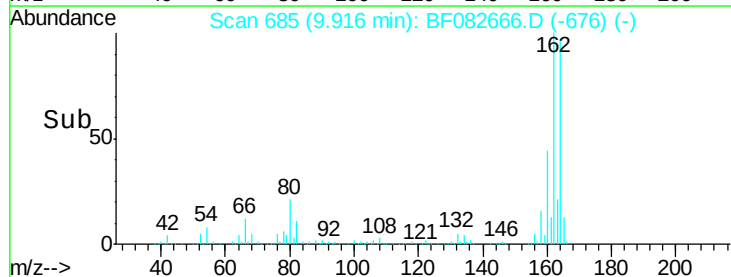
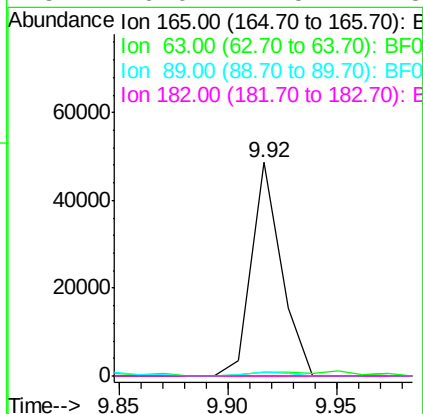
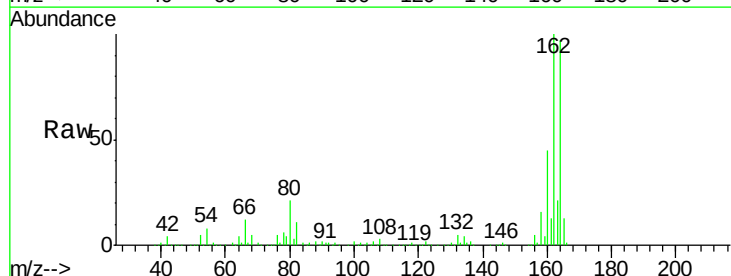
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-005

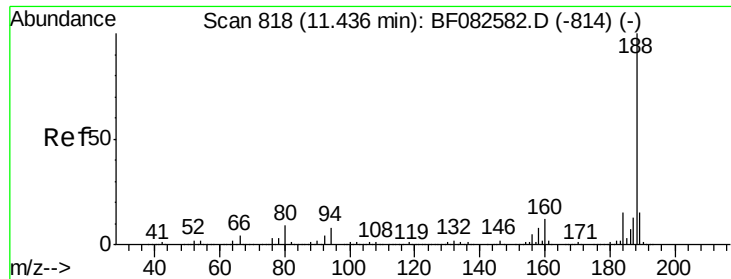
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	55.5	83.3#
89	1.8	55.0	82.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.68 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.19 min
 Lab File: BF082666.D
 Acq: 3 Nov 2015 17:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	43.4	65.0#
89	1.8	70.6	106.0#
182	0.0	1.5	2.3#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-005

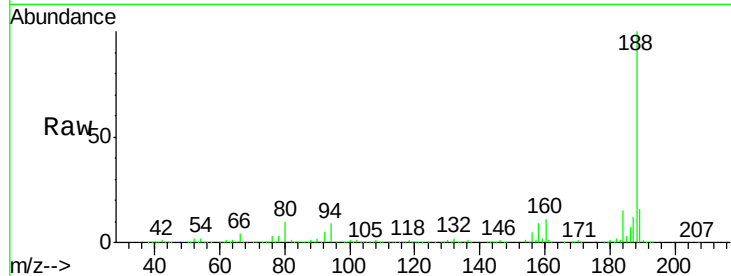
Tgt Ion:188 Resp: 723621

Ion Ratio Lower Upper

188 100

94 8.6 6.1 9.1

80 9.6 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

1200000

1000000

800000

600000

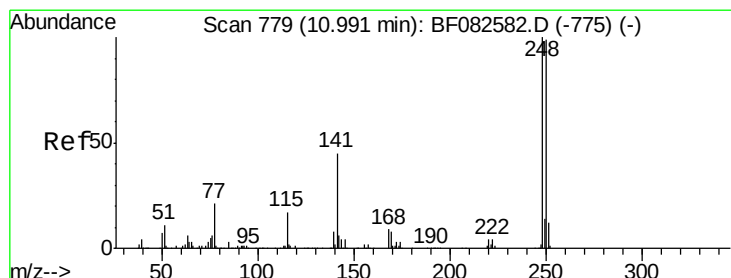
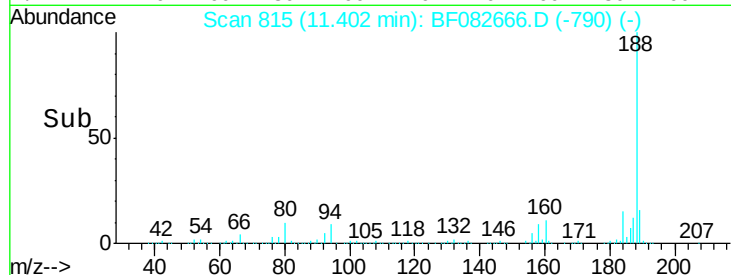
400000

200000

0

11.35 11.40 11.45

Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.55 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

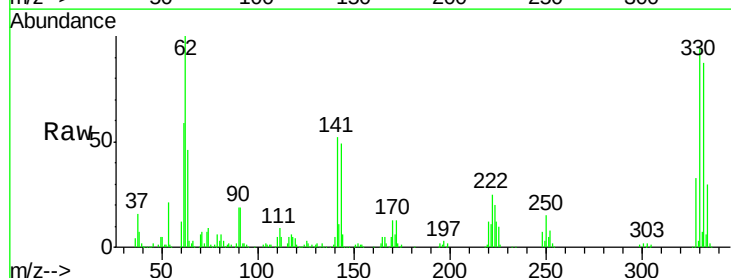
Tgt Ion:248 Resp: 37308

Ion Ratio Lower Upper

248 100

250 207.8 79.4 119.2#

141 693.9 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

300000

250000

200000

150000

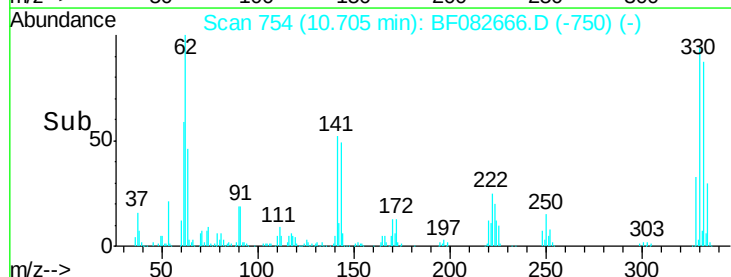
100000

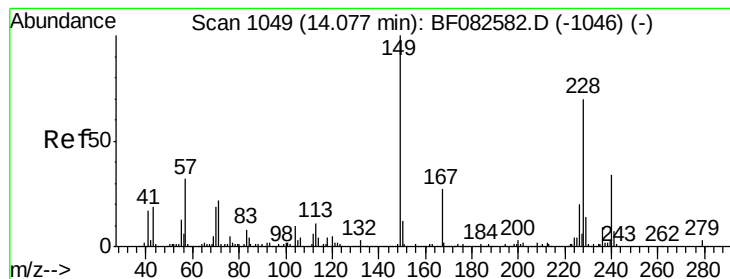
50000

0

10.70 10.75

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-005

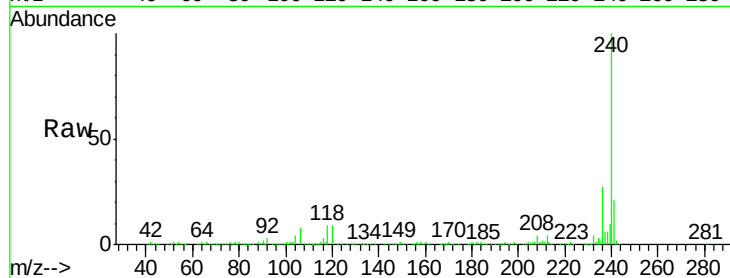
Tgt Ion:240 Resp: 577199

Ion Ratio Lower Upper

240 100

120 9.4 10.9 16.3#

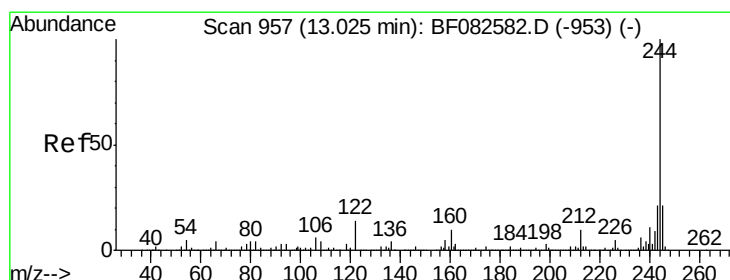
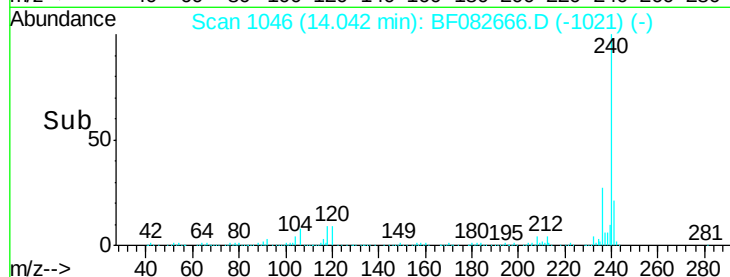
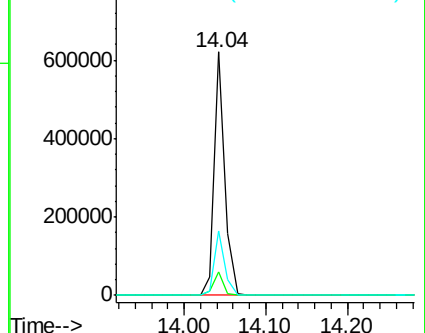
236 26.5 21.6 32.4



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



#78

Terphenyl-d14

Concen: 98.11 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF082666.D

Acq: 3 Nov 2015 17:52

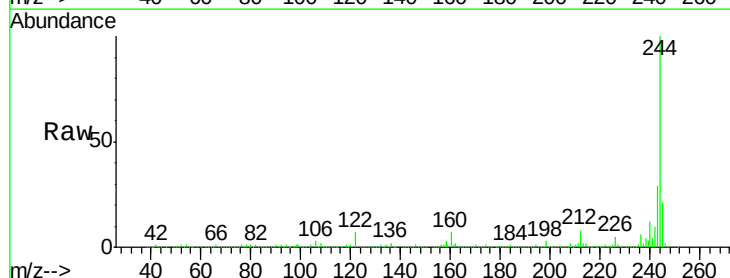
Tgt Ion:244 Resp: 2587621

Ion Ratio Lower Upper

244 100

212 8.1 7.6 11.4

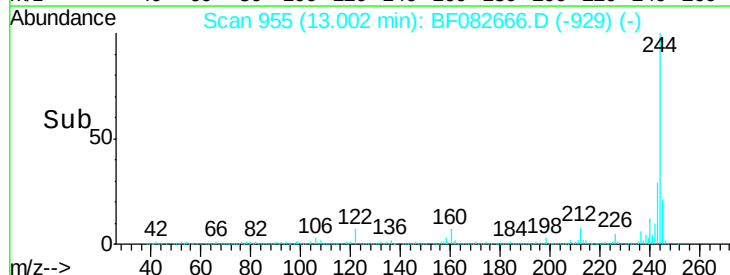
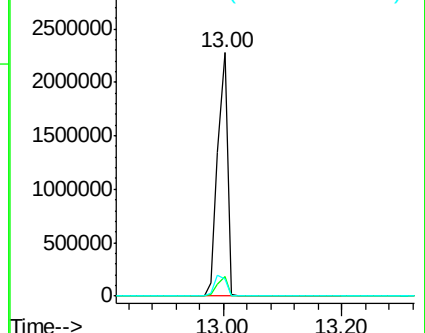
122 7.1 11.3 16.9#

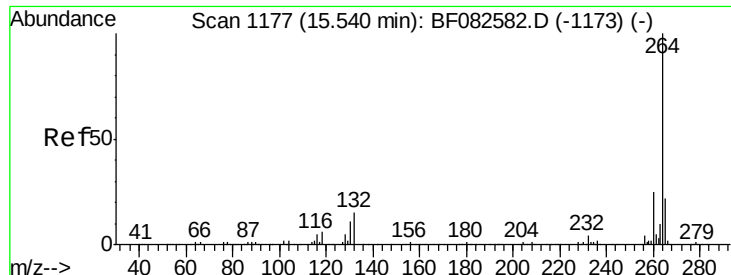


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF082666.D
Acq: 3 Nov 2015 17:52

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-005

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.6
265	21.7	17.4	26.0

