

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111915\
 Data File : BF083066.D
 Acq On : 20 Nov 2015 6:50
 Operator : UM/IZ
 Sample : G4469-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-009

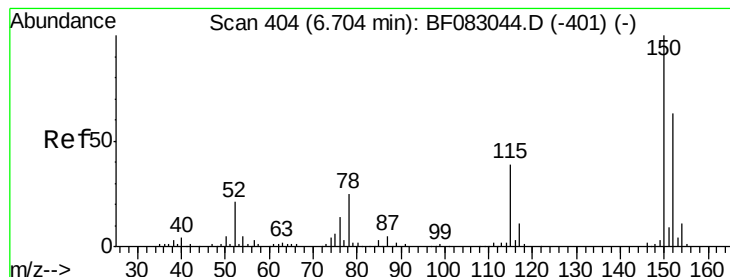
Quant Time: Nov 20 08:07:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	102639	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	395932	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	198964	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	411483	20.00	ng	0.00
75) Chrysene-d12	13.85	240	373792	20.00	ng	-0.01
86) Perylene-d12	15.23	264	281039	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	951126	143.93	ng	0.02
7) Phenol-d6	6.35	99	1029028	118.23	ng	0.00
23) Nitrobenzene-d5	7.26	82	801750	92.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	387941	183.64	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1389866	94.08	ng	-0.01
78) Terphenyl-d14	12.81	244	1383210	87.36	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	28079	4.57	ng	89
15) Benzyl Alcohol	6.85	79	17178	2.40	ng	# 60
19) n-Nitroso-di-n-propylamine	7.26	70	109921	17.28	ng	# 77
27) 2,4-Dimethylphenol	7.88	122	916597	145.38	ng	# 2
31) Naphthalene	8.02	128	3731524	180.89	ng	95
32) Benzoic acid	7.88	122	919882	239.88	ng	95
33) 4-Chloroaniline	8.02	127	559878	62.40	ng	# 29
50) 2,6-Dinitrotoluene	9.74	165	24669	6.99	ng	# 32
56) 2,4-Dinitrotoluene	9.74	165	24669	5.22	ng	# 23
66) 4-Bromophenyl-phenylether	10.53	248	25773	5.41	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083066.D

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WC-SOIL-009

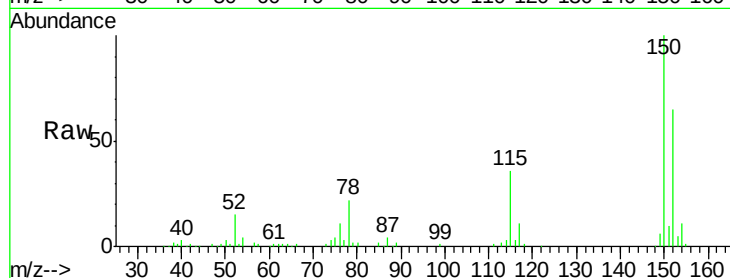
Tgt Ion:152 Resp: 102639

Ion Ratio Lower Upper

152 100

150 153.8 126.4 189.6

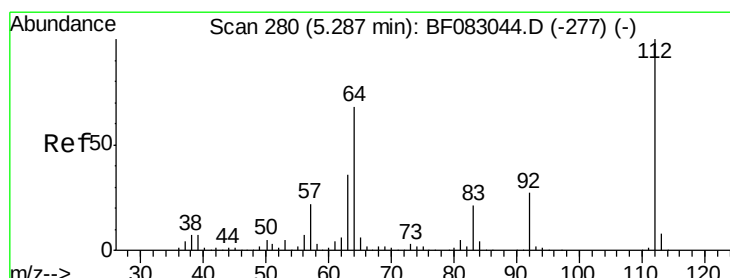
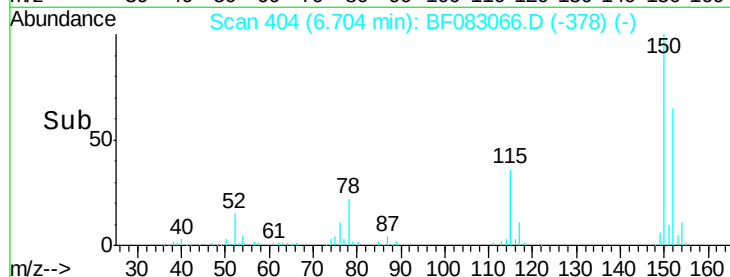
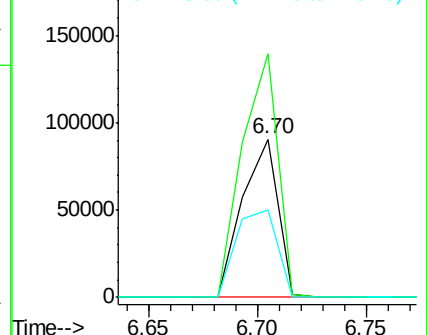
115 54.9 49.0 73.6



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: 143.93 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.02 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

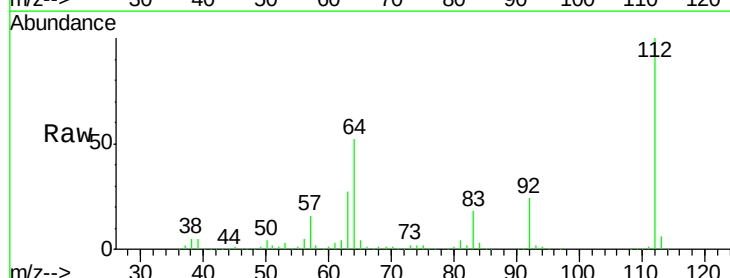
Tgt Ion:112 Resp: 951126

Ion Ratio Lower Upper

112 100

64 52.2 54.8 82.2#

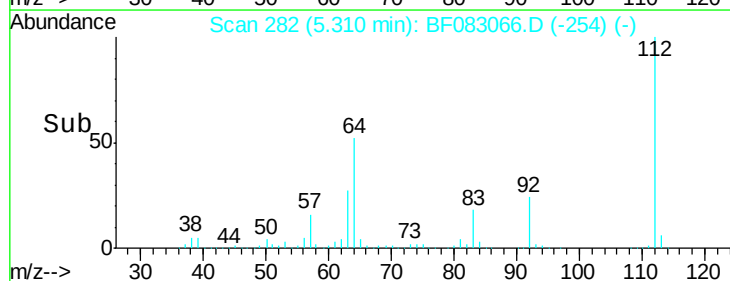
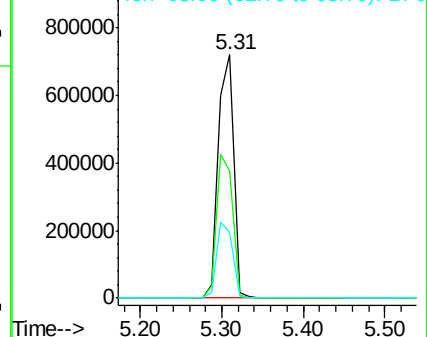
63 27.1 29.0 43.4#

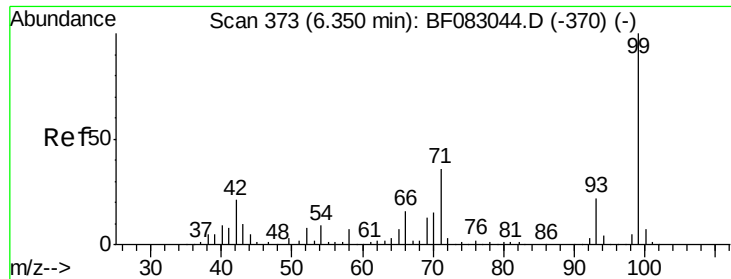


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.23 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Instrument :

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ClientSampleId :

WC-SOIL-009

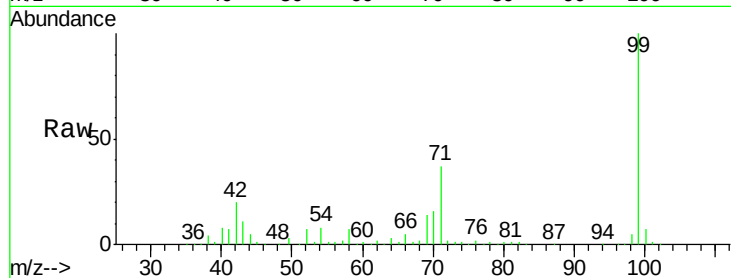
Tgt Ion: 99 Resp: 1029028

Ion Ratio Lower Upper

99 100

42 20.4 16.6 25.0

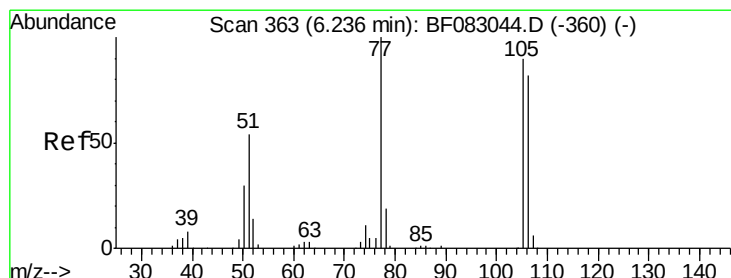
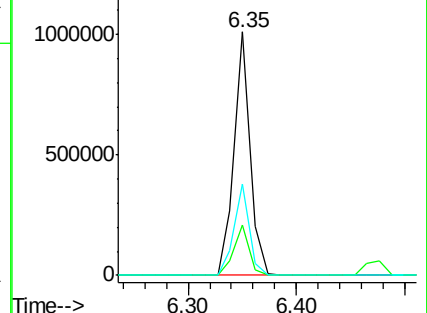
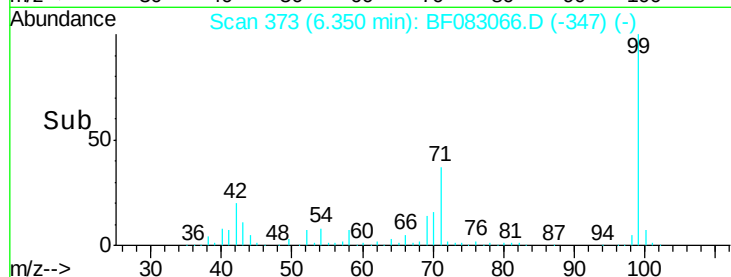
71 37.4 29.2 43.8



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: 4.57 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.24 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

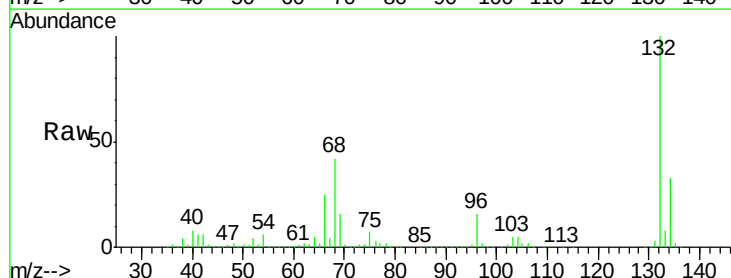
Tgt Ion: 77 Resp: 28079

Ion Ratio Lower Upper

77 100

105 76.5 69.6 109.6

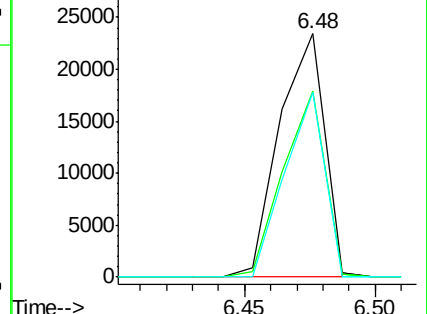
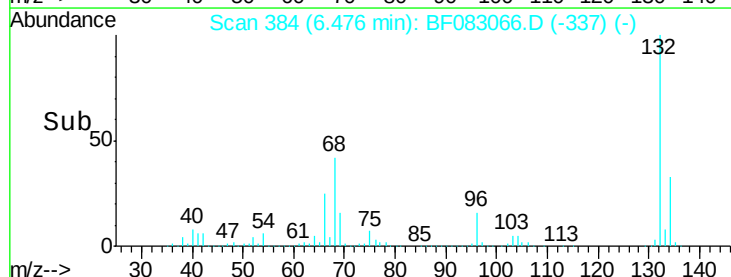
106 75.7 62.0 102.0

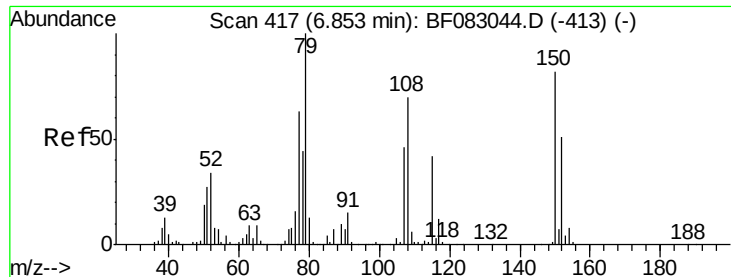


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.40 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-009

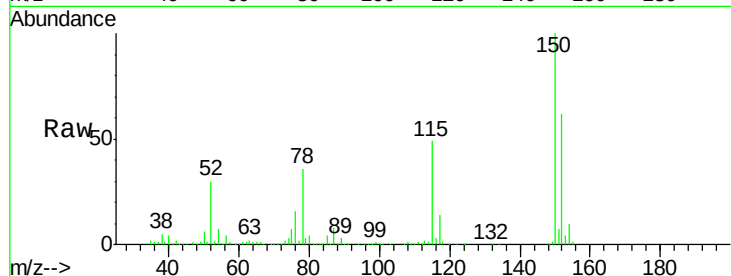
Tgt Ion: 79 Resp: 17178

Ion Ratio Lower Upper

79 100

108 26.6 55.7 83.5#

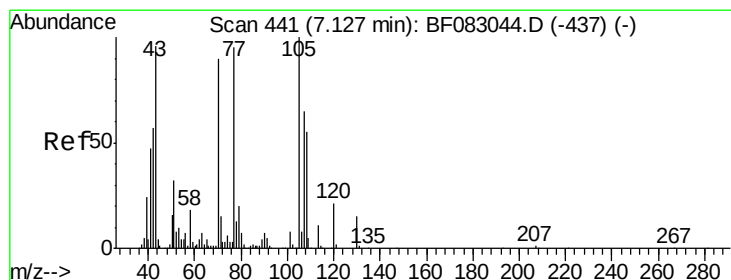
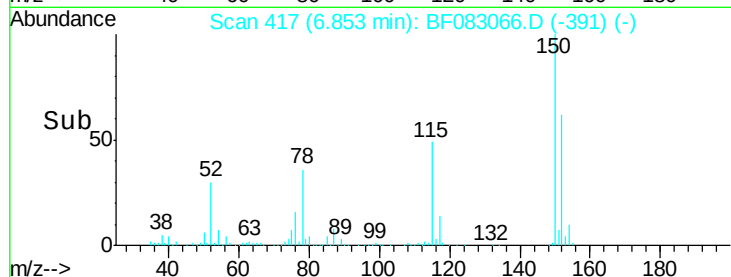
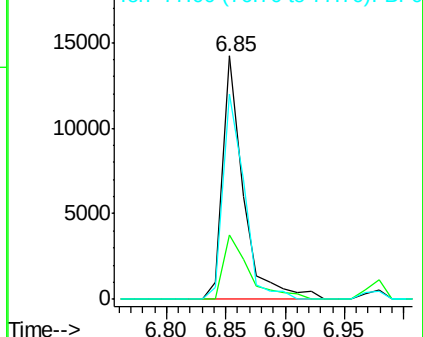
77 84.5 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.28 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.14 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Tgt Ion: 70 Resp: 109921

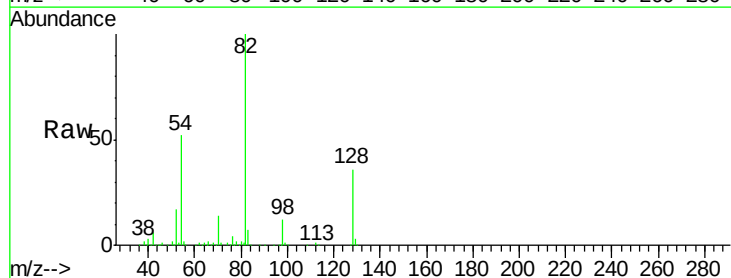
Ion Ratio Lower Upper

70 100

42 46.8 50.2 75.2#

101 0.0 6.8 10.2#

130 1.6 12.9 19.3#

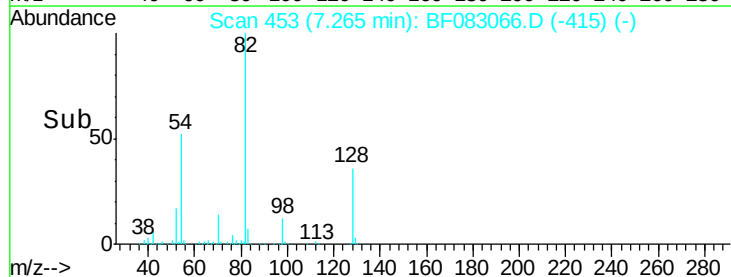
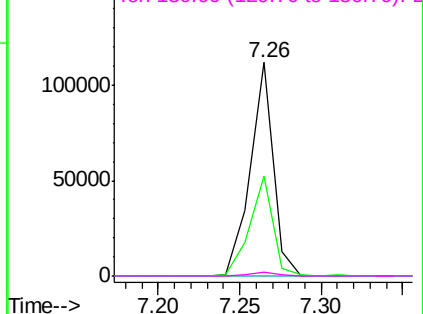


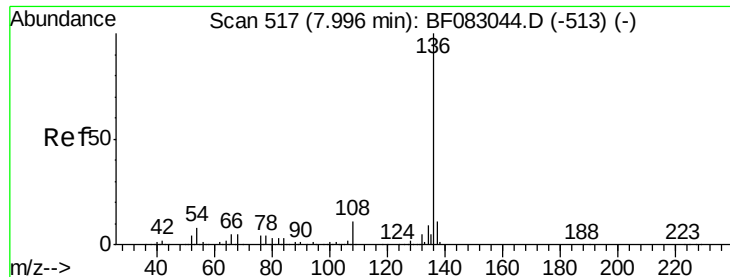
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

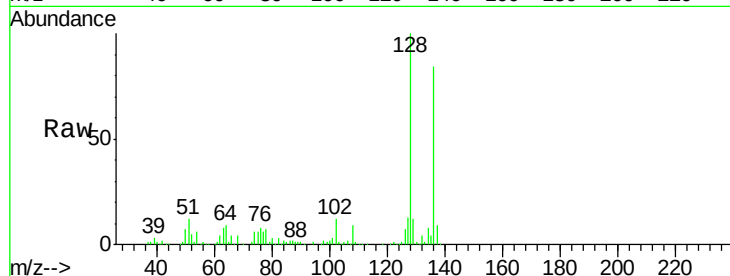




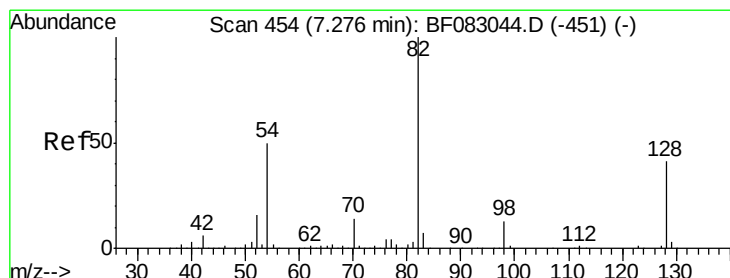
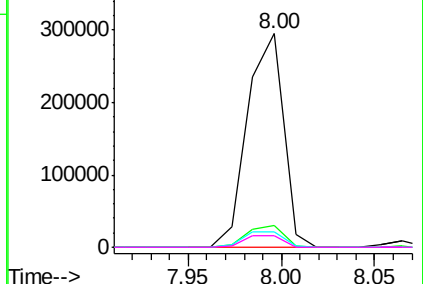
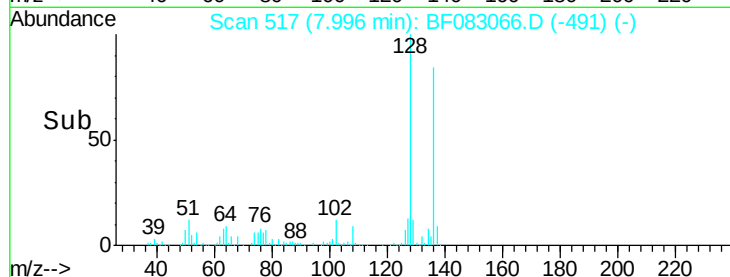
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF083066.D
Acq: 20 Nov 2015 6:50

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Tgt Ion:	136	Resp:	395932
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	12.8
54	7.4	6.2	9.2
68	5.2	4.2	6.2

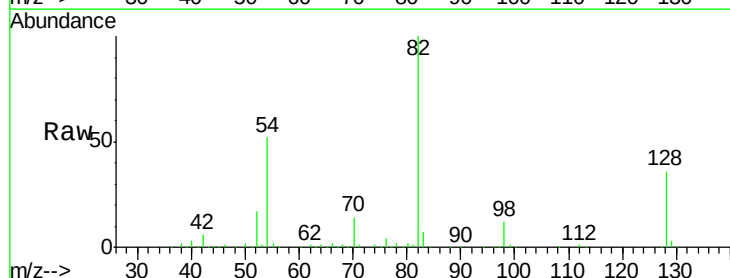


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

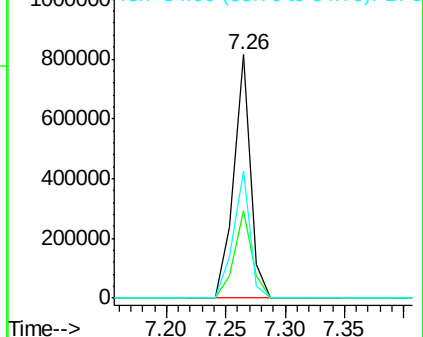
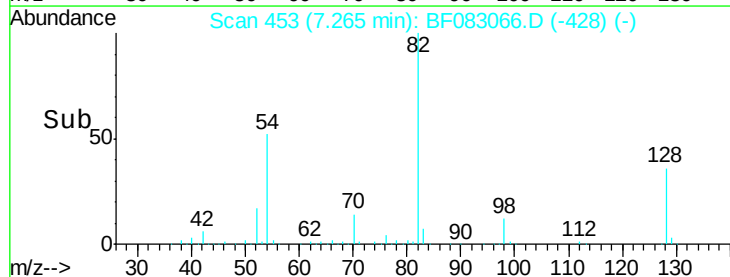


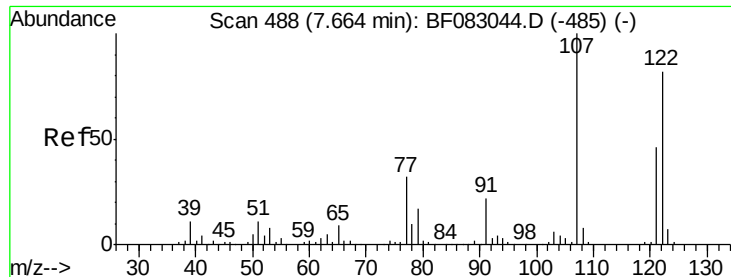
#23
Nitrobenzene-d5
Concen: 92.70 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF083066.D
Acq: 20 Nov 2015 6:50

Tgt Ion:	82	Resp:	801750
Ion	Ratio	Lower	Upper
82	100		
128	36.0	33.1	49.7
54	52.2	39.8	59.6



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: 145.38 ng

RT: 7.88 min Scan# 507

Delta R.T. 0.22 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-009

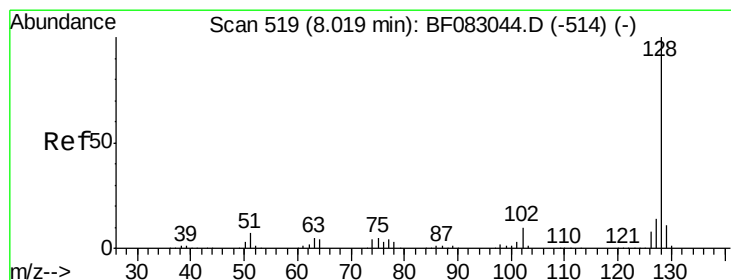
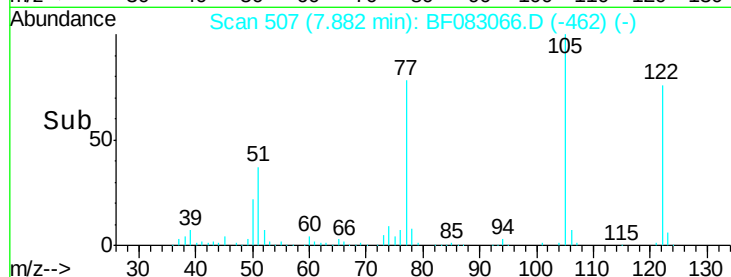
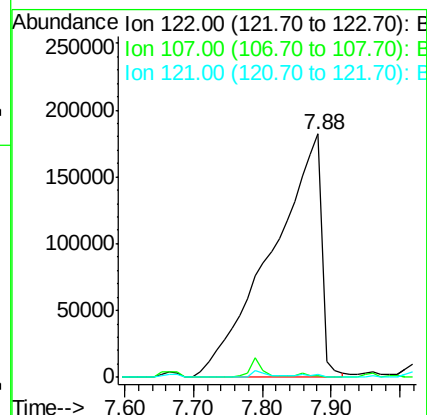
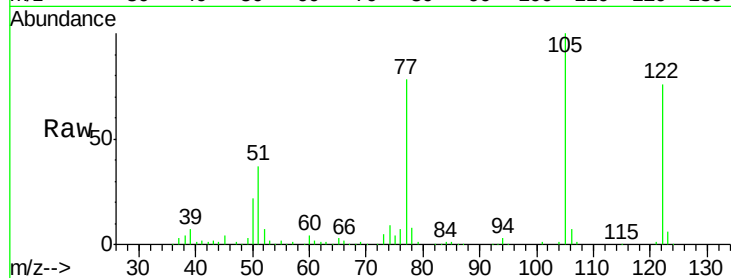
Tgt Ion:122 Resp: 916597

Ion Ratio Lower Upper

122 100

107 0.8 97.5 146.3#

121 1.0 45.3 67.9#



#31

Naphthalene

Concen: 180.89 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

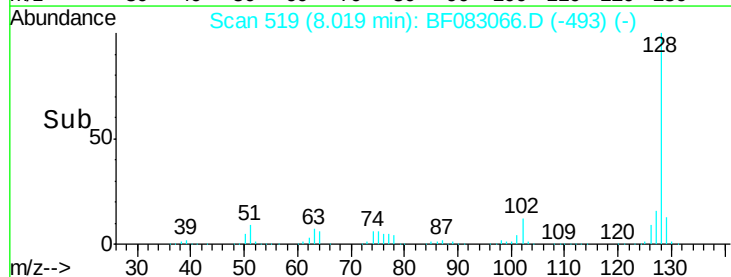
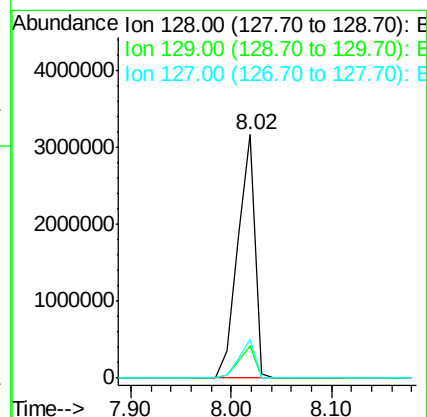
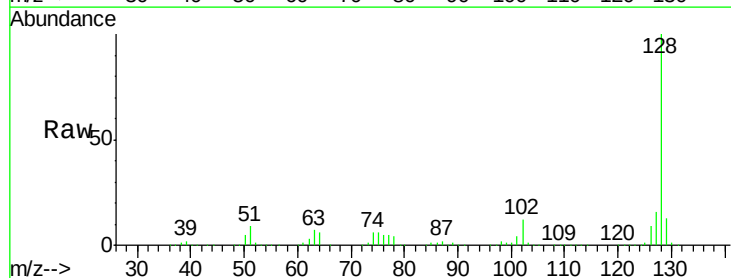
Tgt Ion:128 Resp: 3731524

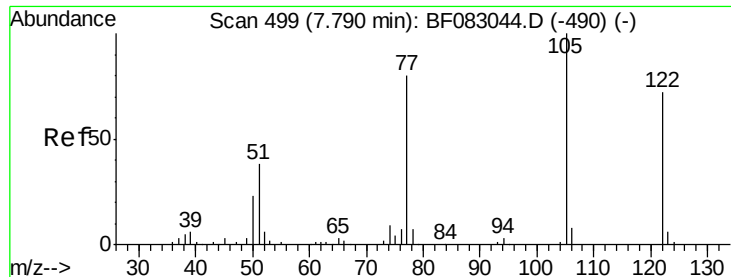
Ion Ratio Lower Upper

128 100

129 13.3 9.0 13.4

127 15.8 10.9 16.3





#32

Benzoic acid

Concen: 239.88 ng

RT: 7.88 min Scan# 507

Delta R.T. 0.09 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-009

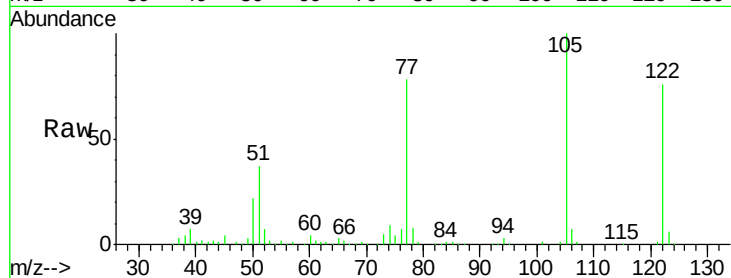
Tgt Ion:122 Resp: 919882

Ion Ratio Lower Upper

122 100

105 130.9 115.0 155.0

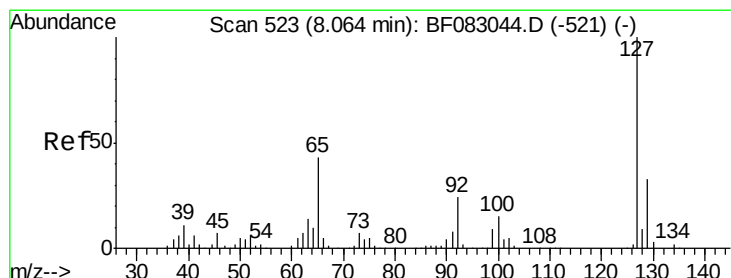
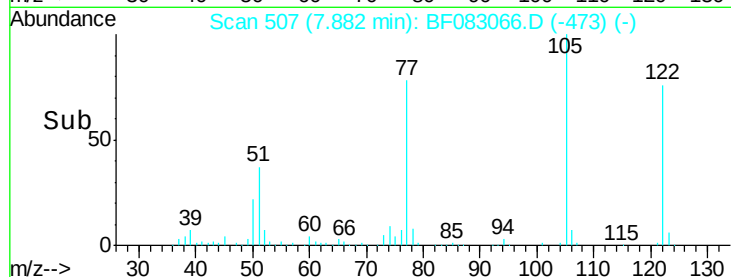
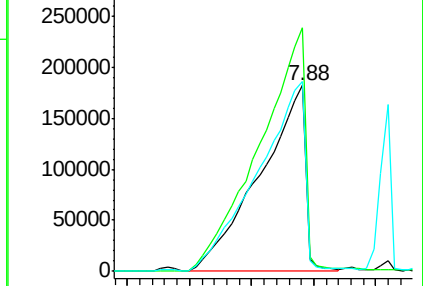
77 102.3 89.0 129.0



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: 62.40 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Tgt Ion:127 Resp: 559878

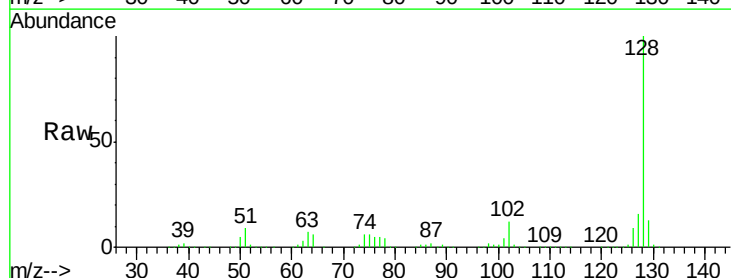
Ion Ratio Lower Upper

127 100

129 84.0 26.1 39.1#

65 0.0 34.4 51.6#

92 0.0 19.5 29.3#

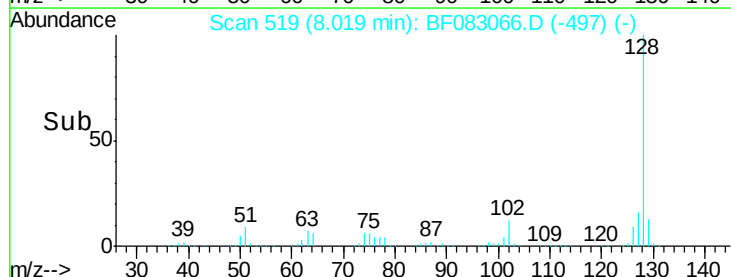
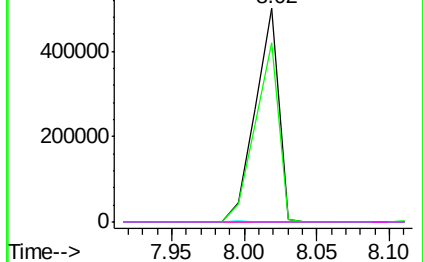


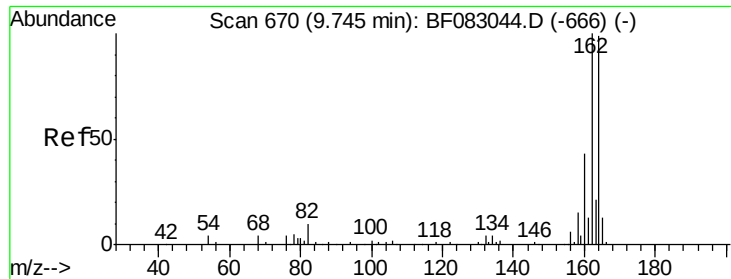
Abundance Ion 127.00 (126.70 to 127.70): E

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

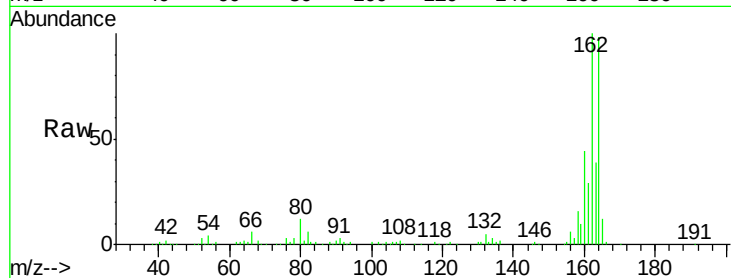




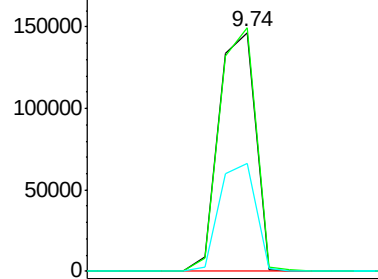
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF083066.D
Acq: 20 Nov 2015 6:50

Instrument :
BNA_F
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WC-SOIL-009

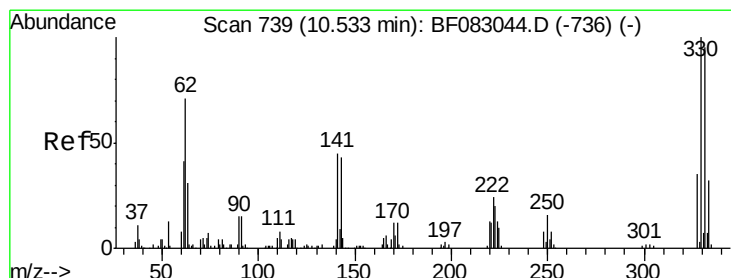
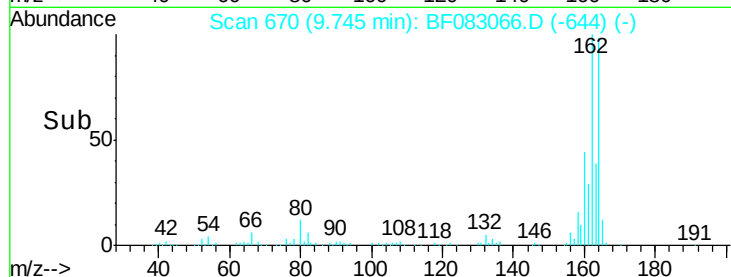
Tgt Ion:164 Resp: 198964
Ion Ratio Lower Upper
164 100
162 102.0 80.5 120.7
160 45.3 35.0 52.4



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

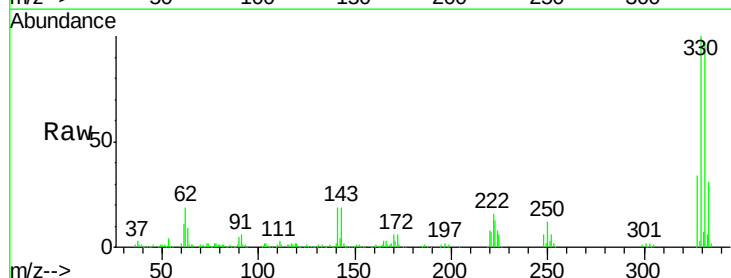


Time-->

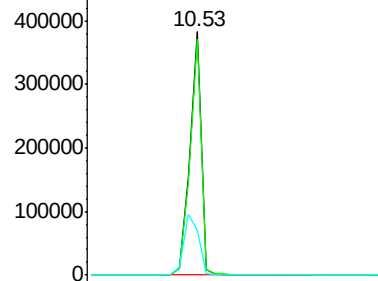


#41
2,4,6-Tribromophenol
Concen: 183.64 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF083066.D
Acq: 20 Nov 2015 6:50

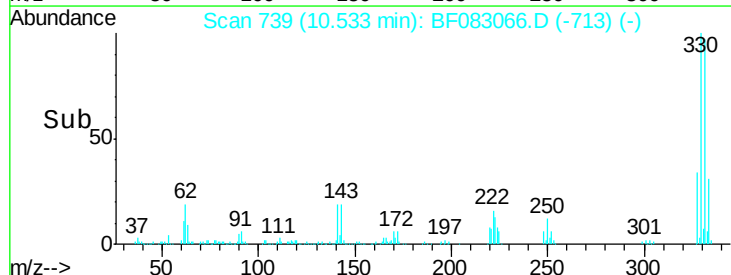
Tgt Ion:330 Resp: 387941
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 32.6 34.6 52.0#

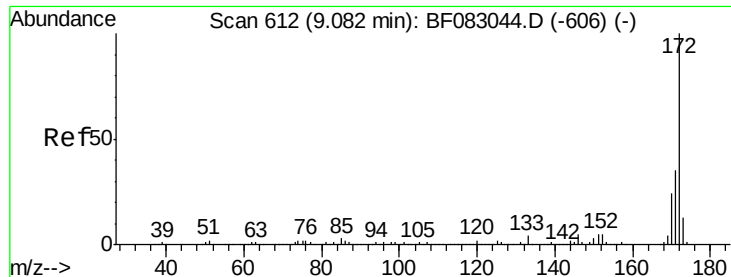


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->

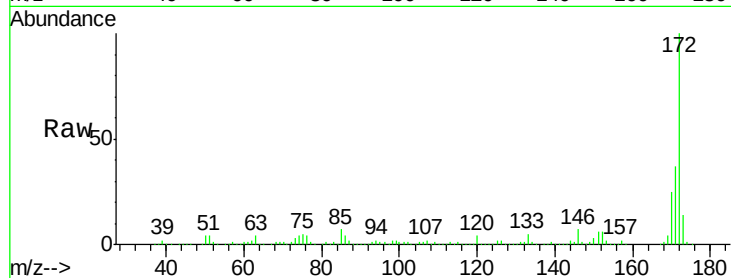




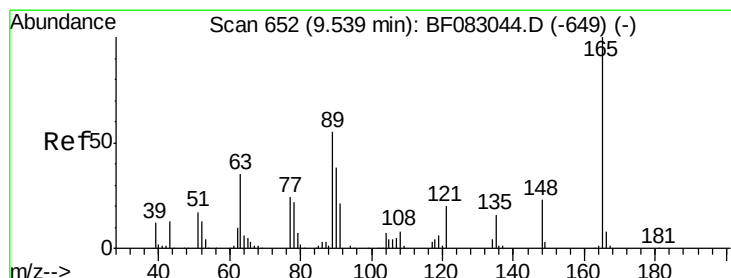
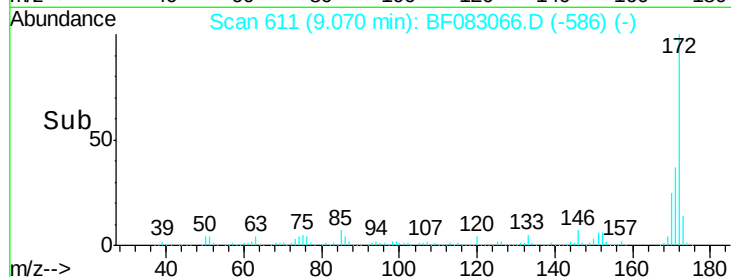
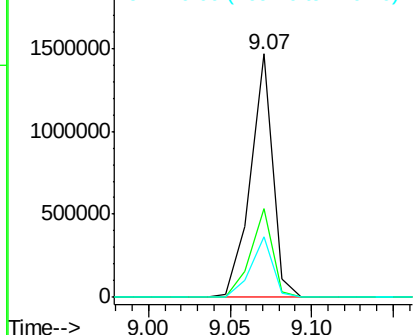
#44
 2-Fluorobiphenyl
 Concen: 94.08 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-009

Tgt Ion:172 Resp: 1389866
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.2 42.4
 170 24.7 19.4 29.0

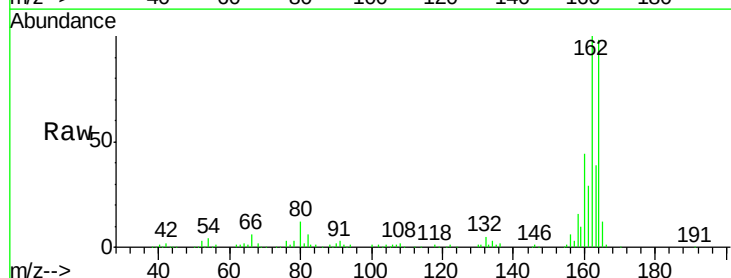


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

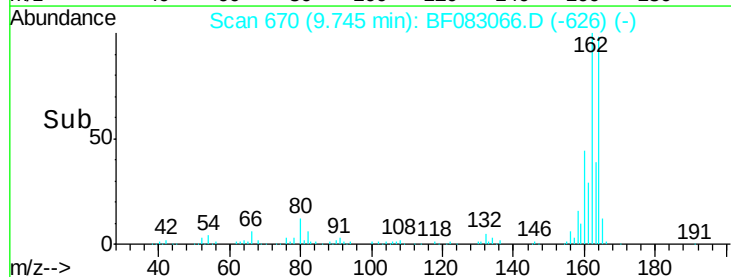
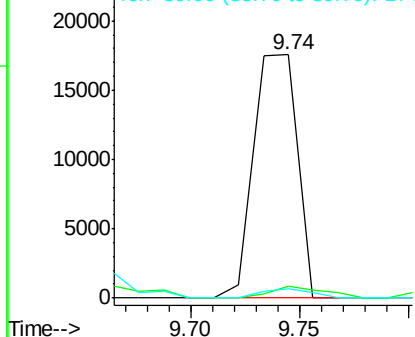


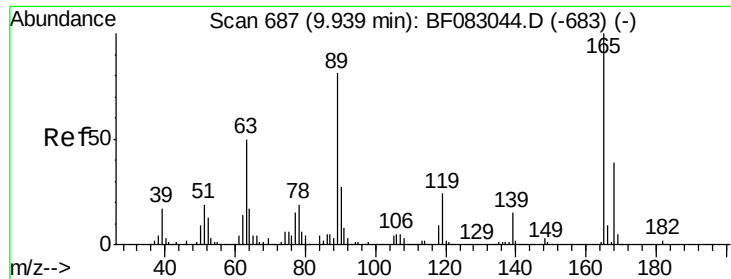
#50
 2,6-Dinitrotoluene
 Concen: 6.99 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.21 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Tgt Ion:165 Resp: 24669
 Ion Ratio Lower Upper
 165 100
 63 5.1 40.6 61.0#
 89 4.1 44.5 66.7#



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

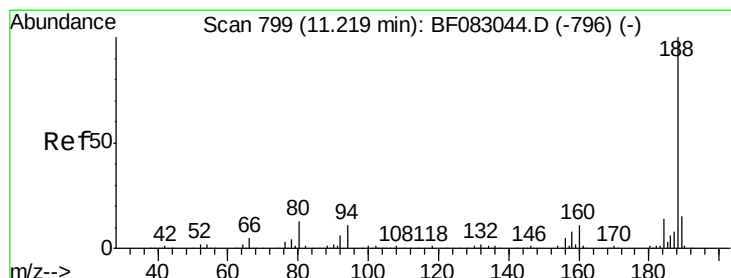
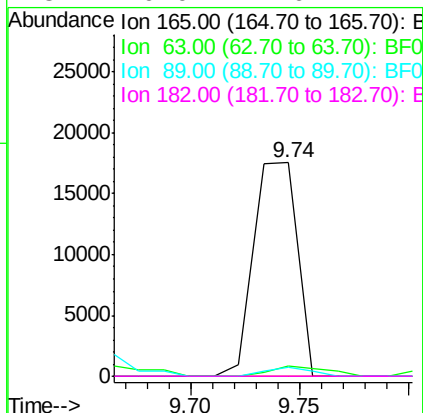
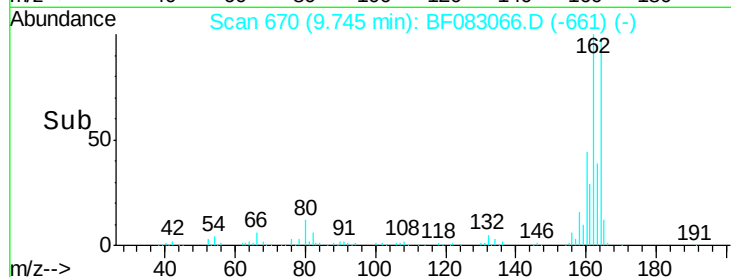
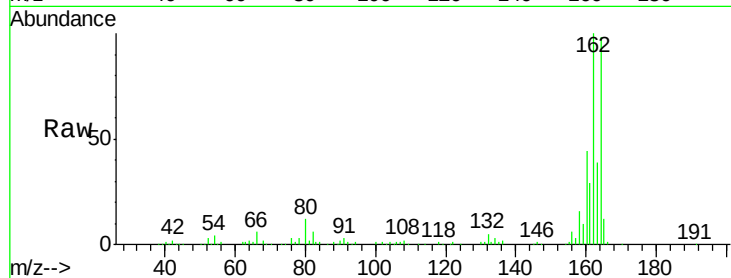




#56
 2,4-Dinitrotoluene
 Concen: 5.22 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.19 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

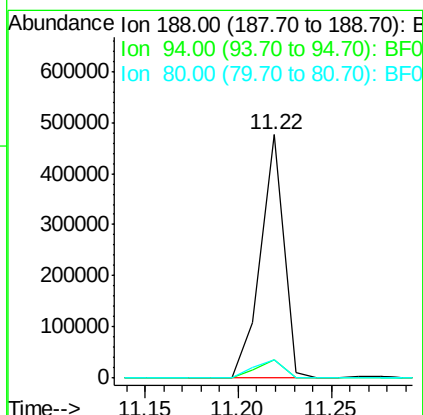
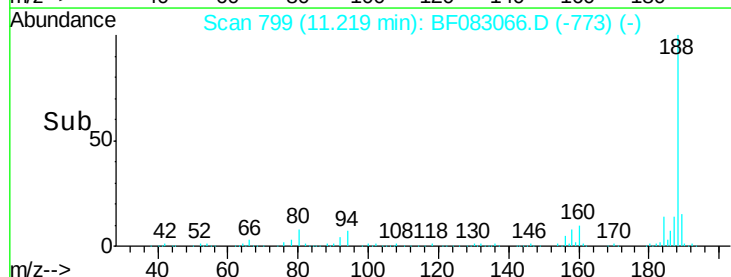
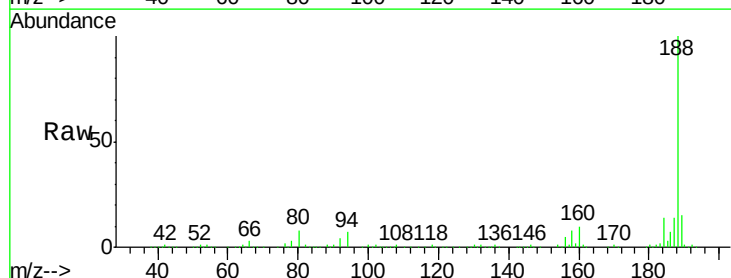
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-009

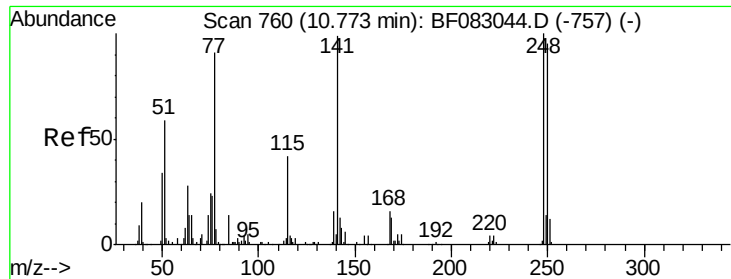
Tgt Ion:	165	Resp:	24669
Ion	Ratio	Lower	Upper
165	100		
63	5.1	40.6	61.0#
89	4.1	64.4	96.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Tgt Ion:	188	Resp:	411483
Ion	Ratio	Lower	Upper
188	100		
94	7.3	9.0	13.4#
80	7.6	10.2	15.4#

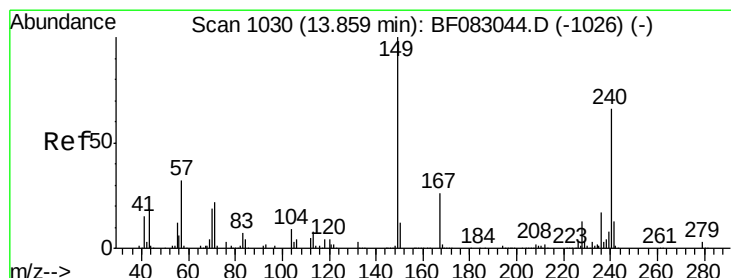
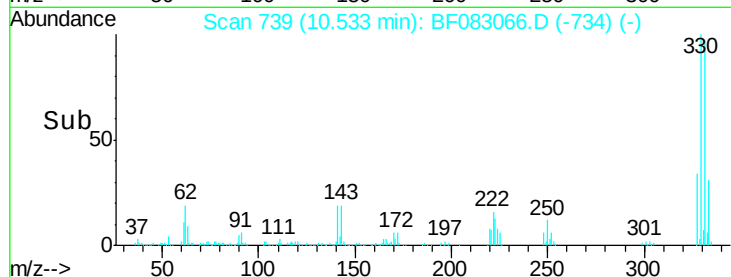
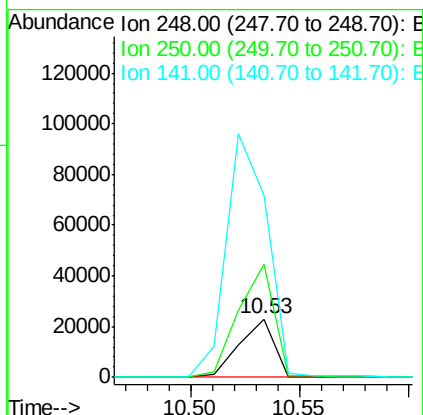
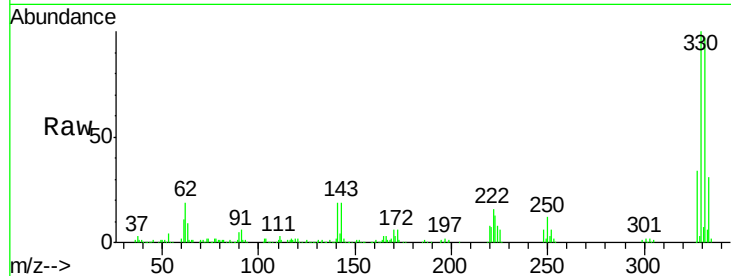




#66
 4-Bromophenyl-phenylether
 Concen: 5.41 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.24 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

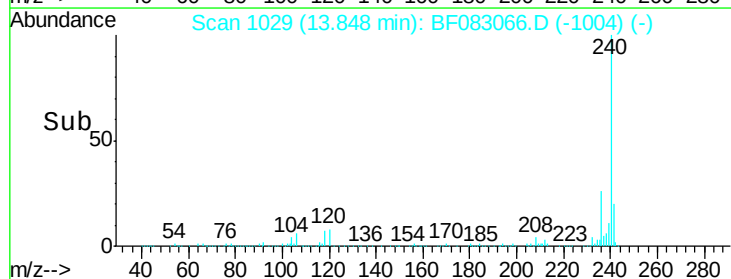
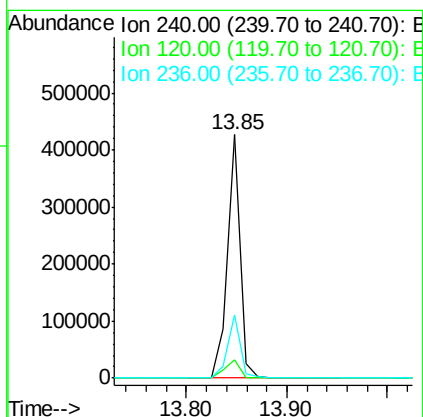
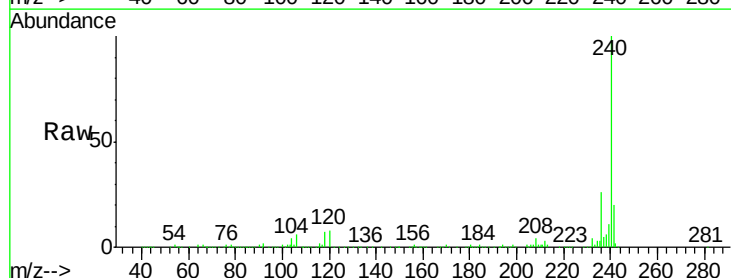
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-009

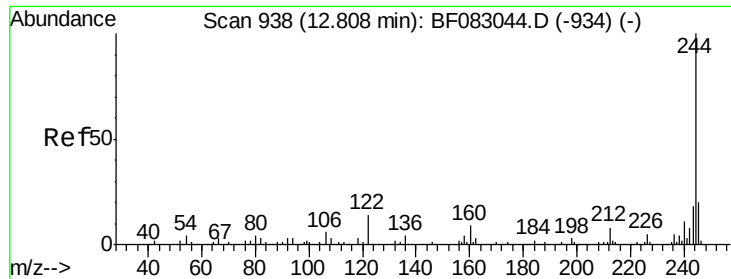
Tgt Ion:248 Resp: 25773
 Ion Ratio Lower Upper
 248 100
 250 193.9 76.1 114.1#
 141 312.9 79.2 118.8#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Tgt Ion:240 Resp: 373792
 Ion Ratio Lower Upper
 240 100
 120 7.6 5.3 7.9
 236 25.9 20.4 30.6

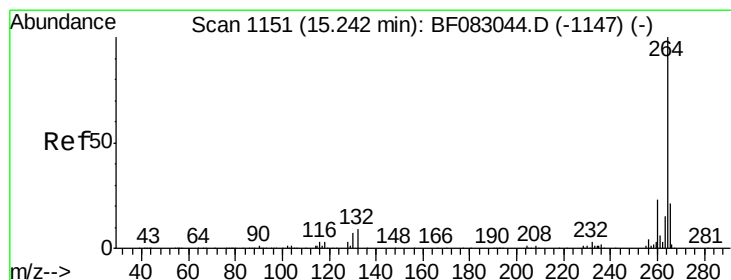
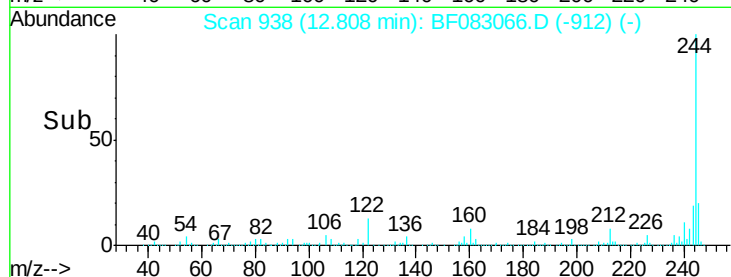
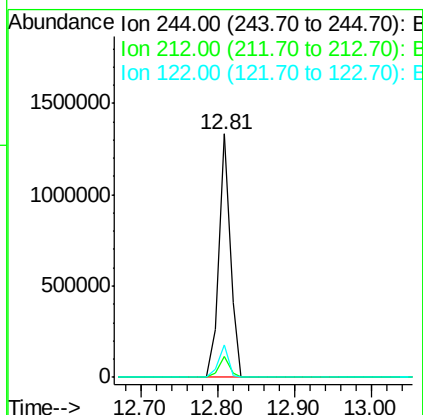
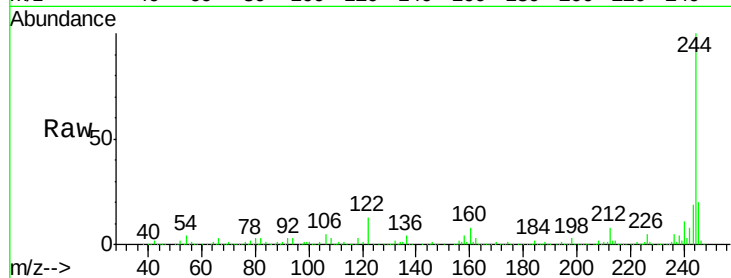




#78
 Terphenyl-d14
 Concen: 87.36 ng
 RT: 12.81 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-009

Tgt Ion:244 Resp: 1383210
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.4 9.6
 122 13.4 10.9 16.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Tgt Ion:264 Resp: 281039
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.6 27.8
 265 20.9 17.0 25.6

