

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121515\
 Data File : BF083812.D
 Acq On : 15 Dec 2015 11:58
 Operator : UM/IZ
 Sample : G4763-01RE
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-010

Quant Time: Dec 16 00:44:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	109603	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	438545	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	215903	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	340822	20.00	ng	-0.03
75) Chrysene-d12	14.05	240	236132	20.00	ng	-0.02
86) Perylene-d12	15.48	264	225346	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	700777	103.15	ng	-0.01
7) Phenol-d6	6.53	99	817084	94.97	ng	-0.01
23) Nitrobenzene-d5	7.46	82	582511	74.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	287859	130.84	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1224687	82.30	ng	-0.02
78) Terphenyl-d14	13.00	244	806513	73.47	ng	-0.02

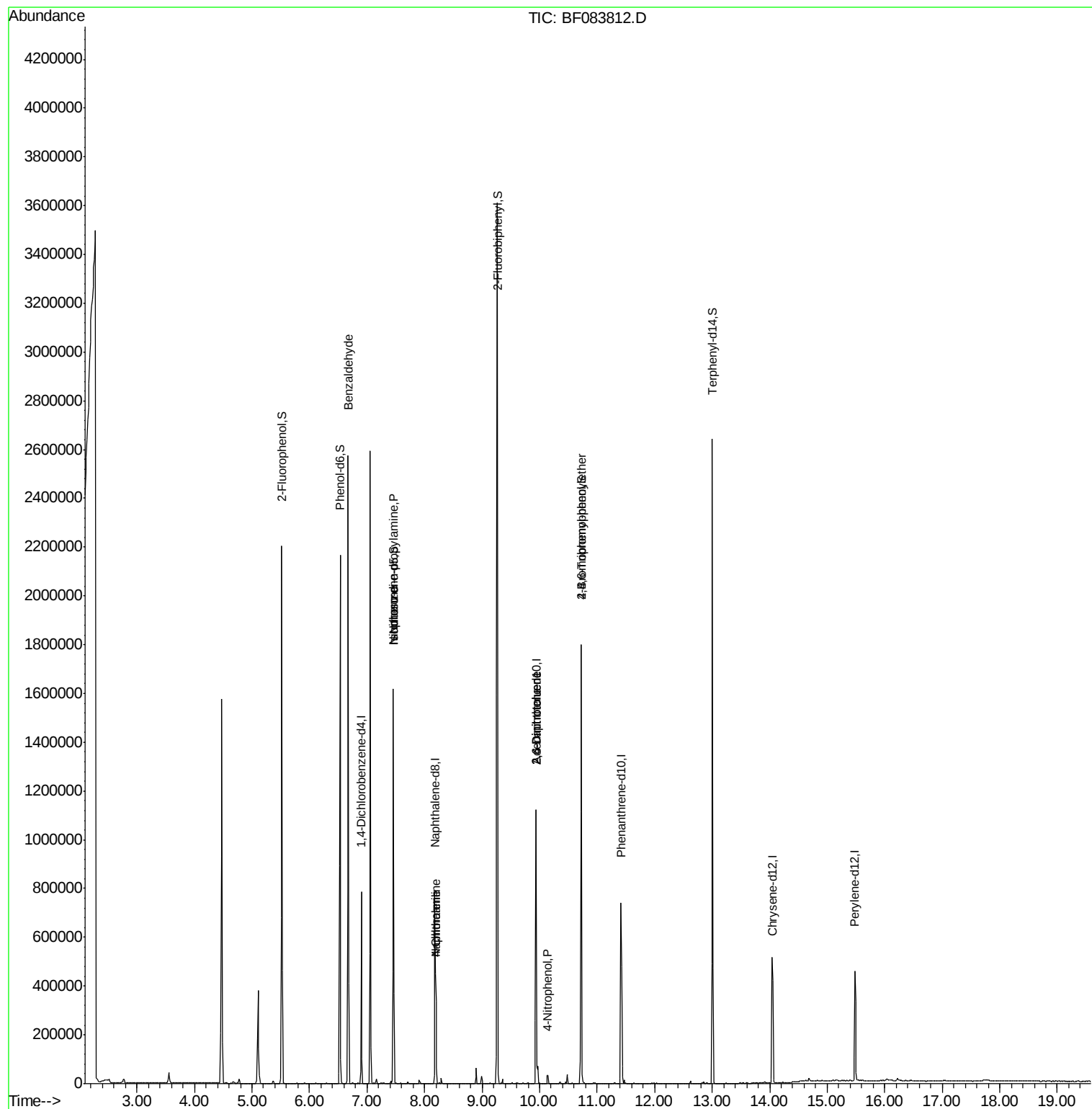
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	17174	3.72	ng	96
19) n-Nitroso-di-n-propylamine	7.46	70	78675	14.93	ng	# 71
25) Isophorone	7.46	82	580216	37.73	ng	# 69
31) Naphthalene	8.20	128	146137	6.39	ng	100
33) 4-Chloroaniline	8.20	127	19128	2.05	ng	# 32
50) 2,6-Dinitrotoluene	9.94	165	27511	7.70	ng	# 18
55) 4-Nitrophenol	10.13	139	7964	2.61	ng	# 5
56) 2,4-Dinitrotoluene	9.94	165	27512	5.90	ng	# 12
66) 4-Bromophenyl-phenylether	10.73	248	19299	5.06	ng	# 1

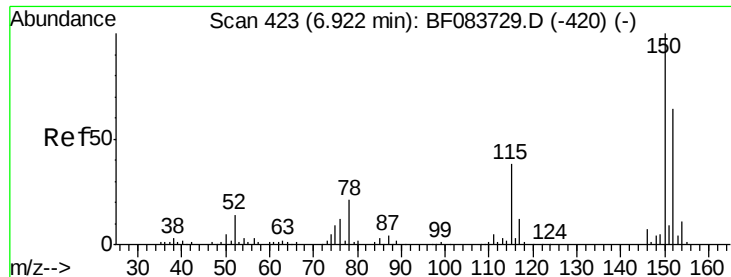
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF083812.D

Acq: 15 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-010

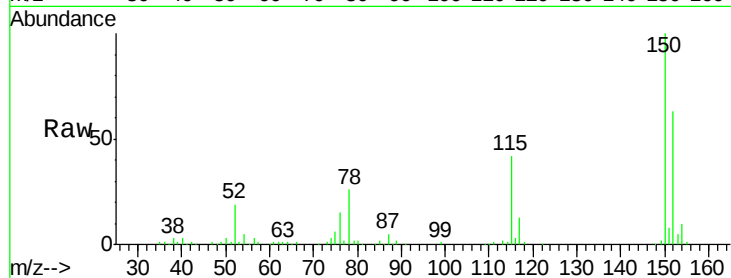
Tgt Ion:152 Resp: 109603

Ion Ratio Lower Upper

152 100

150 159.8 126.5 189.7

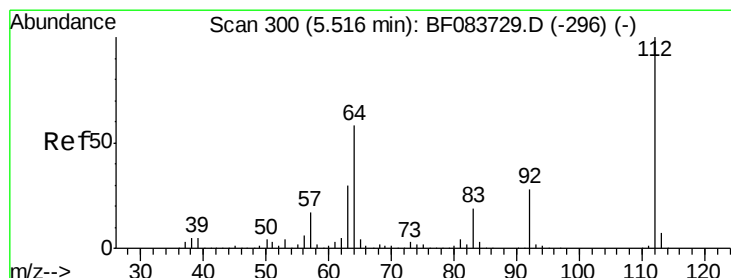
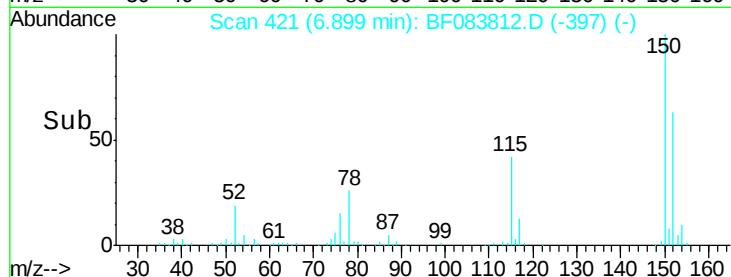
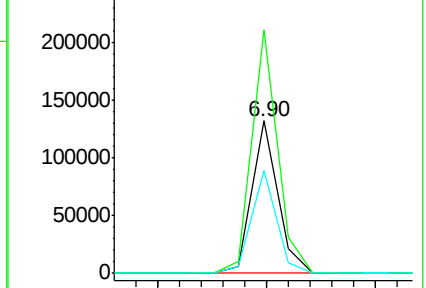
115 67.8 52.3 78.5



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: 103.15 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083812.D

Acq: 15 Dec 2015 11:58

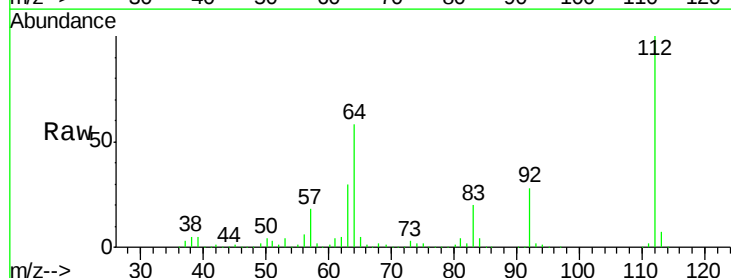
Tgt Ion:112 Resp: 700777

Ion Ratio Lower Upper

112 100

64 58.0 50.5 75.7

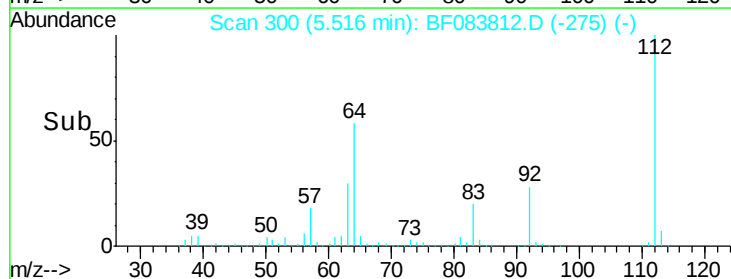
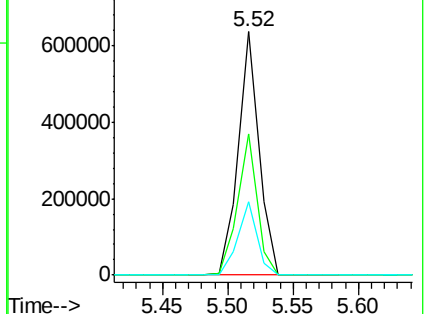
63 30.3 25.8 38.6

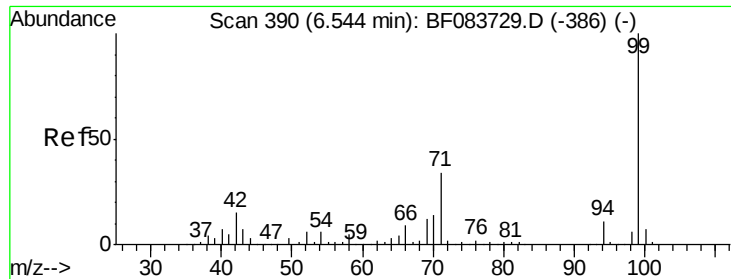


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.97 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083812.D

Acq: 15 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-010

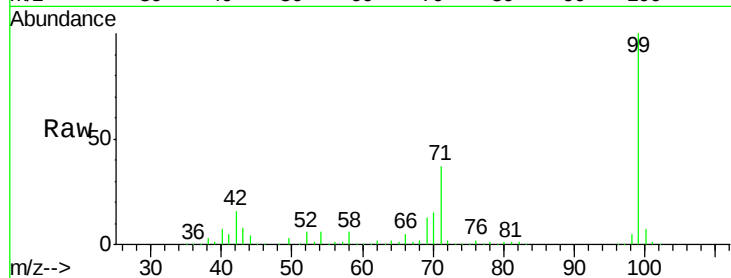
Tgt Ion: 99 Resp: 817084

Ion Ratio Lower Upper

99 100

42 16.0 17.3 25.9#

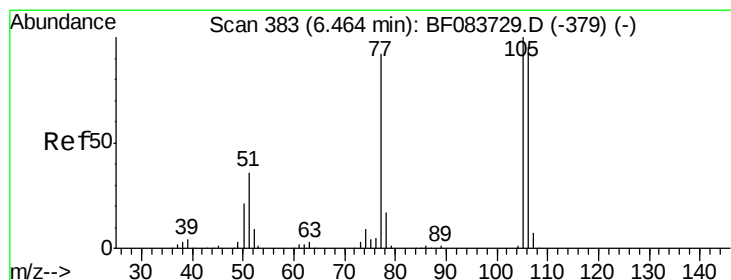
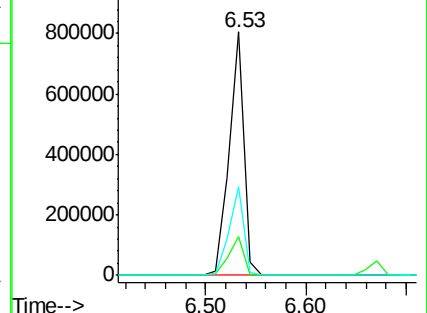
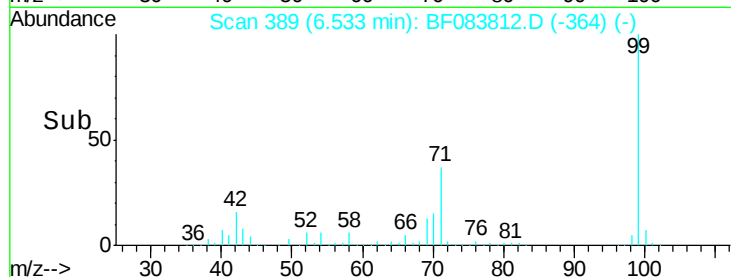
71 36.6 26.6 40.0



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: 3.72 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.21 min

Lab File: BF083812.D

Acq: 15 Dec 2015 11:58

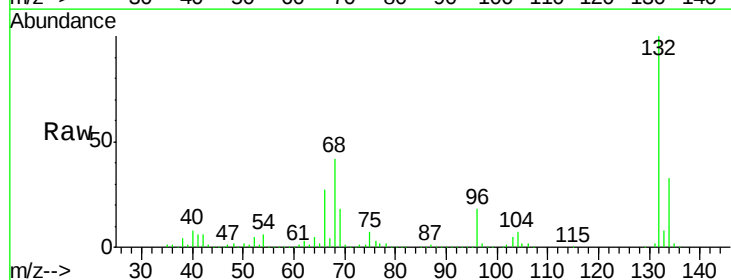
Tgt Ion: 77 Resp: 17174

Ion Ratio Lower Upper

77 100

105 86.0 71.8 111.8

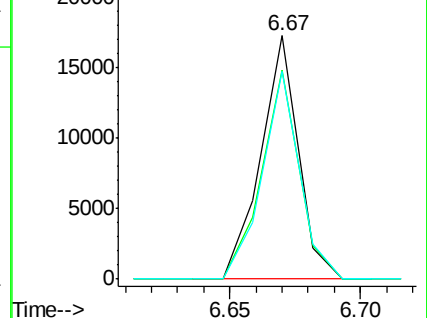
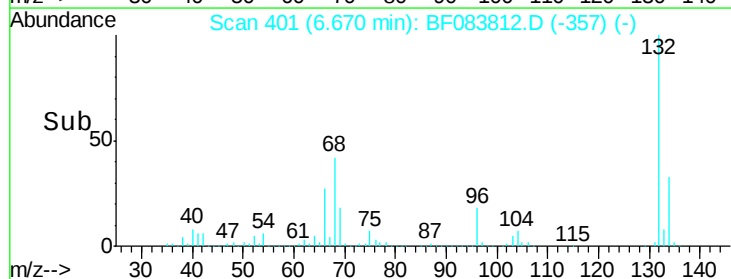
106 85.5 66.8 106.8

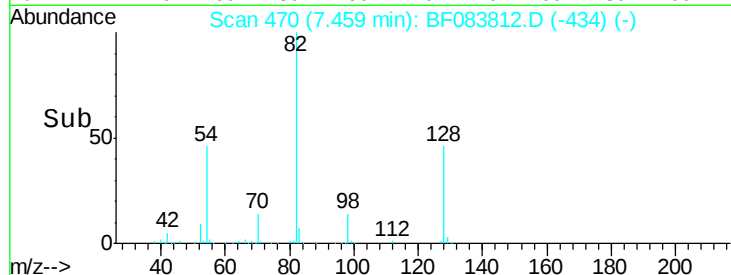
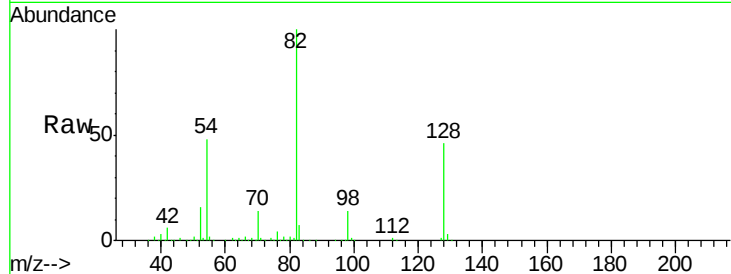
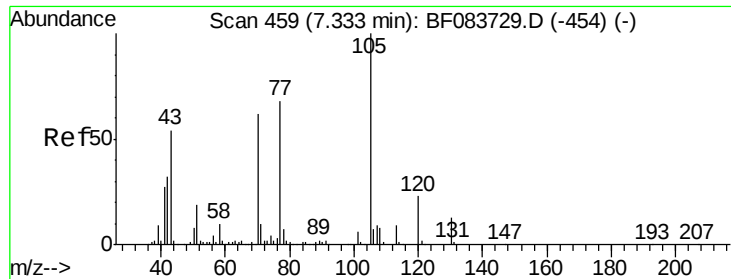


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

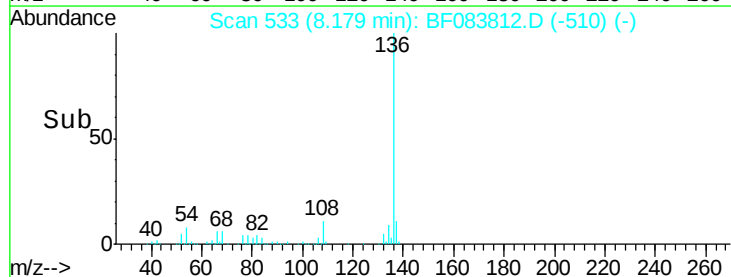
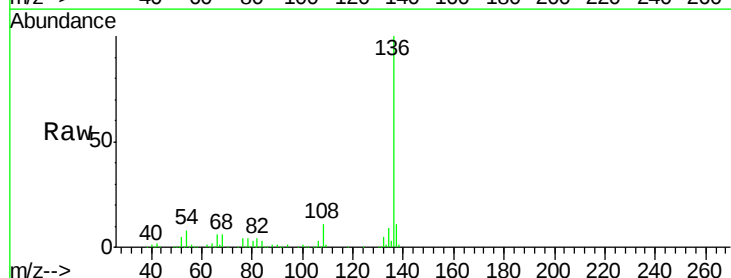
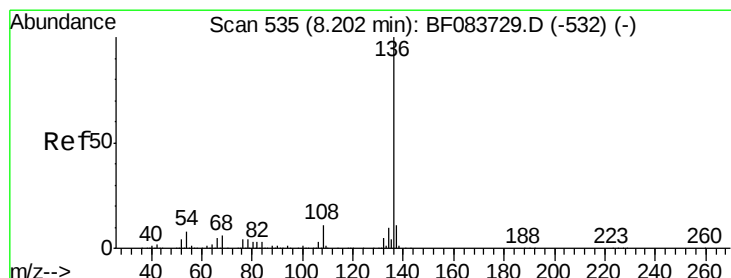
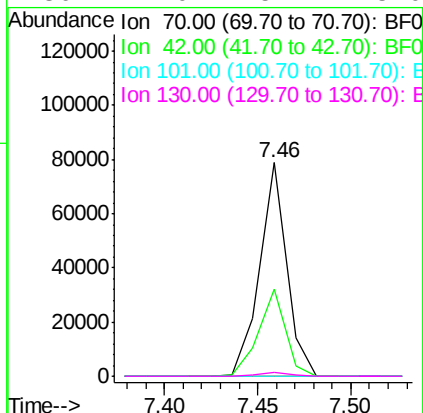




#19
n-Nitroso-di-n-propylamine
Concen: 14.93 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.11 min
Lab File: BF083812.D
Acq: 15 Dec 2015 11:58

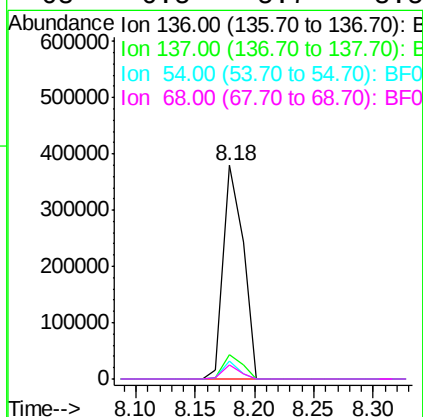
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-010

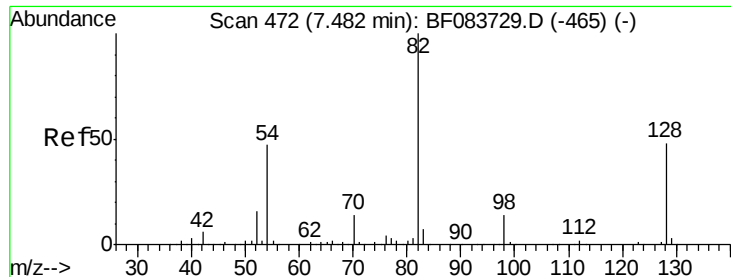
Tgt Ion: 70 Resp: 78675
Ion Ratio Lower Upper
70 100
42 40.8 49.2 73.8#
101 0.0 7.1 10.7#
130 2.0 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.03 min
Lab File: BF083812.D
Acq: 15 Dec 2015 11:58

Tgt Ion: 136 Resp: 438545
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 8.4 7.8 11.6
68 6.5 5.7 8.5

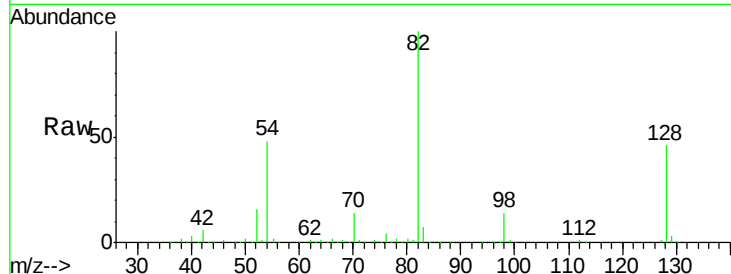




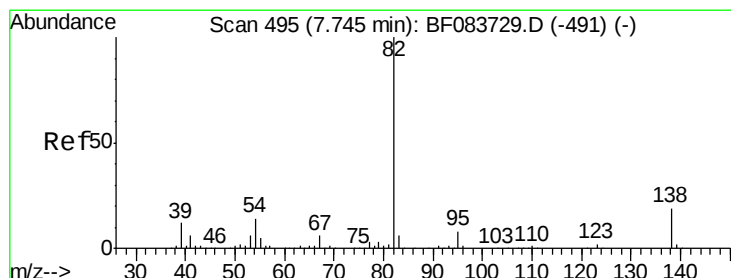
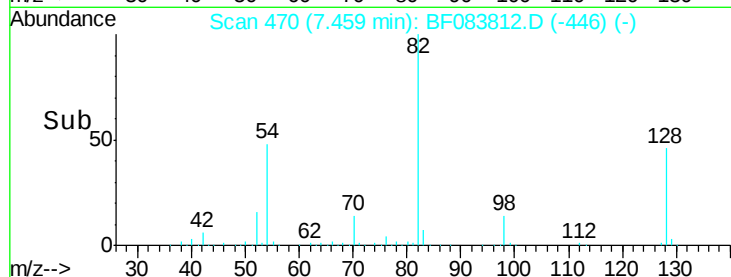
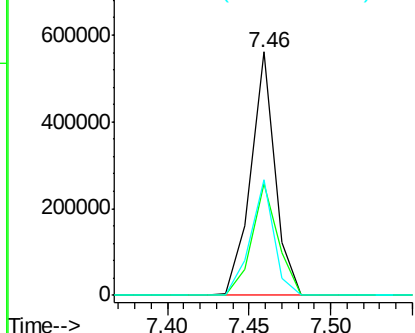
#23
 Nitrobenzene-d5
 Concen: 74.31 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.02 min
 Lab File: BF083812.D
 Acq: 15 Dec 2015 11:58

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-010

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.8	30.7	46.1
54	47.7	42.5	63.7

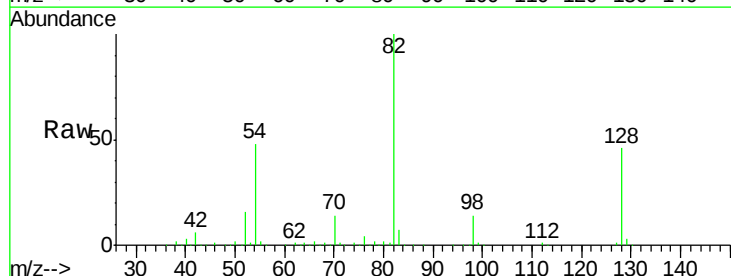


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

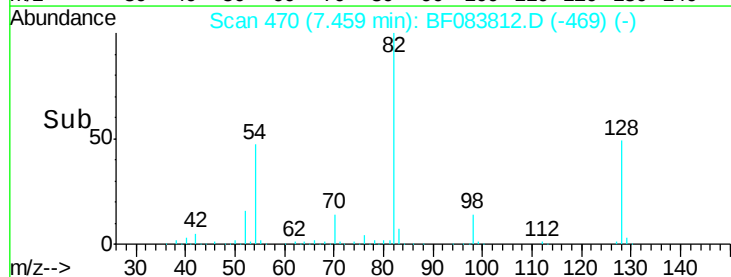
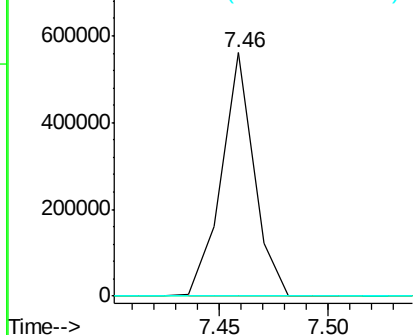


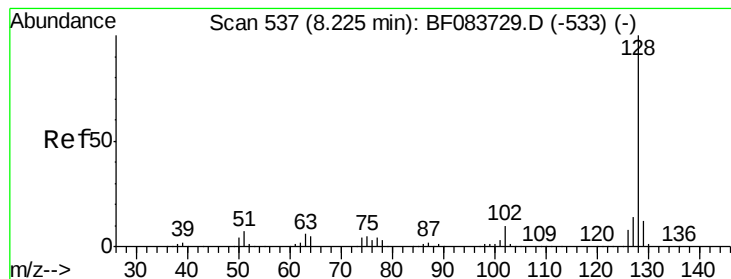
#25
 Isophorone
 Concen: 37.73 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.29 min
 Lab File: BF083812.D
 Acq: 15 Dec 2015 11:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.0	7.4#
138	0.0	12.1	18.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 6.39 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.03 min

Lab File: BF083812.D

Acq: 15 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-010

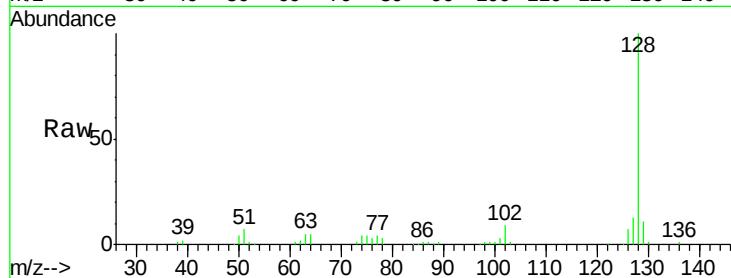
Tgt Ion:128 Resp: 146137

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

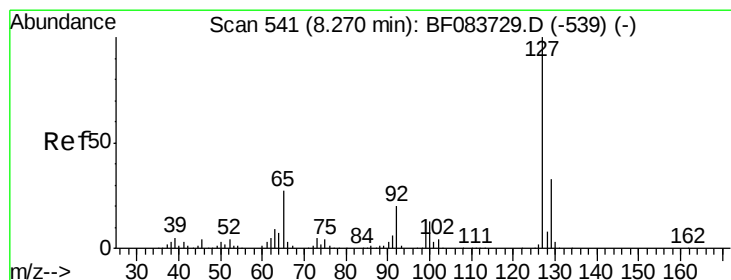
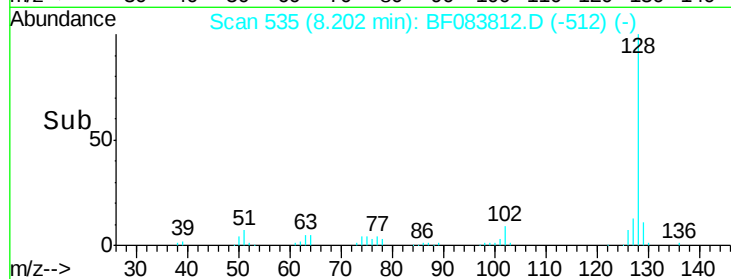
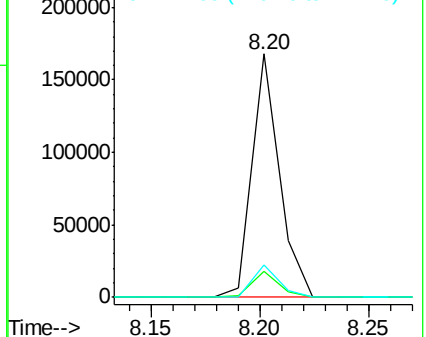
127 13.3 10.6 16.0



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



#33

4-Chloroaniline

Concen: 2.05 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.07 min

Lab File: BF083812.D

Acq: 15 Dec 2015 11:58

Tgt Ion:127 Resp: 19128

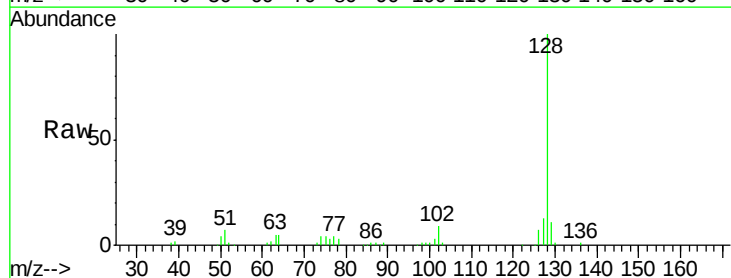
Ion Ratio Lower Upper

127 100

129 79.6 26.1 39.1#

65 0.0 33.5 50.3#

92 0.0 18.6 28.0#

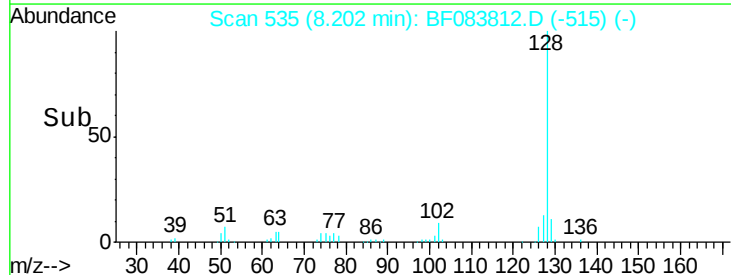
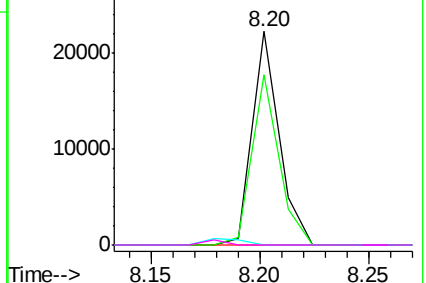


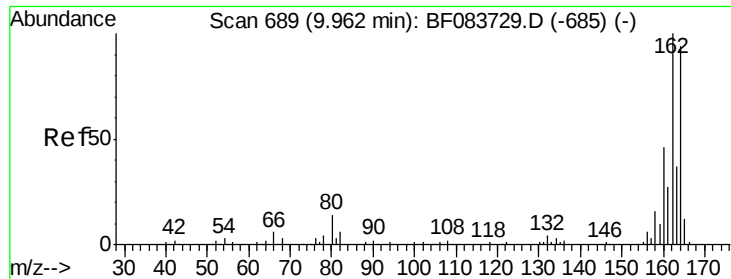
Abundance Ion 127.00 (126.70 to 127.70): E

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

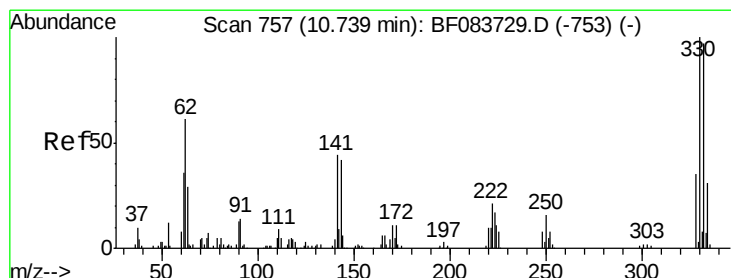
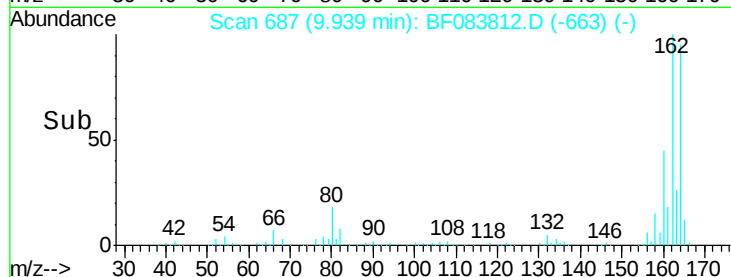
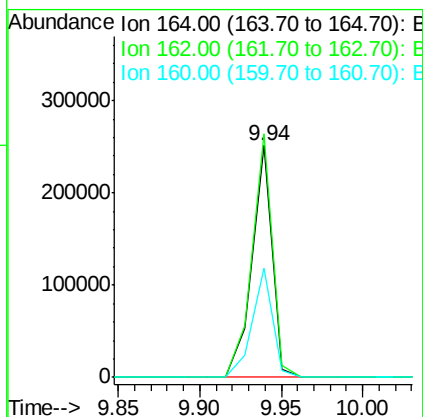
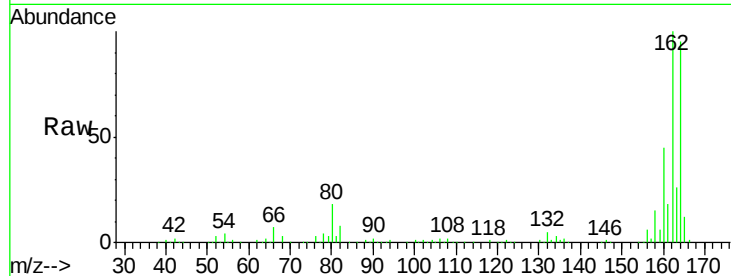




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083812.D
Acq: 15 Dec 2015 11:58

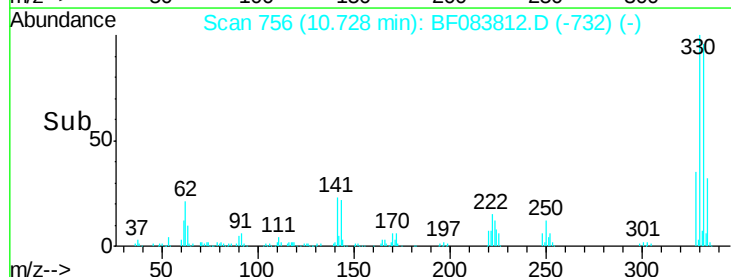
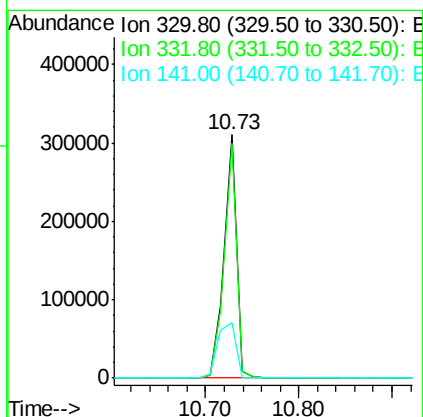
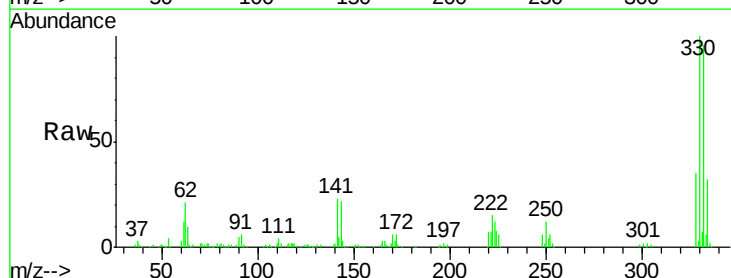
Instrument :
BNA_F
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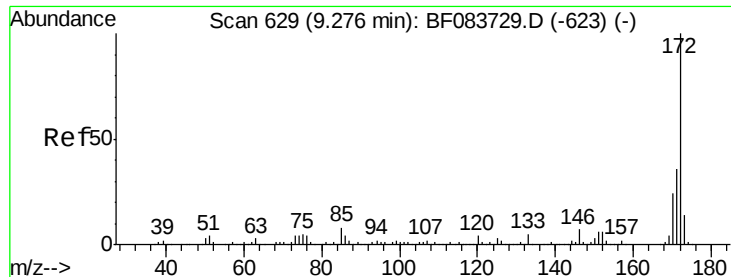
Tgt Ion:164 Resp: 215903
Ion Ratio Lower Upper
164 100
162 105.0 78.8 118.2
160 47.0 33.4 50.2



#41
2,4,6-Tribromophenol
Concen: 130.84 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF083812.D
Acq: 15 Dec 2015 11:58

Tgt Ion:330 Resp: 287859
Ion Ratio Lower Upper
330 100
332 96.0 0.0 0.0#
141 33.2 0.0 0.0#

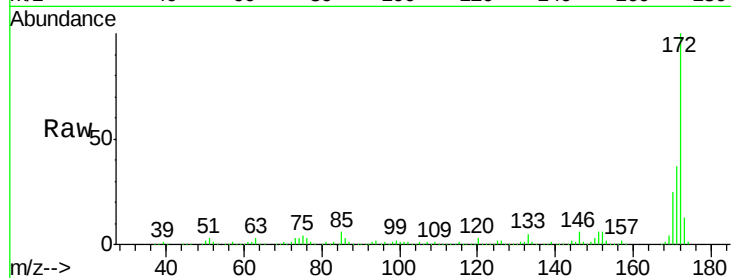




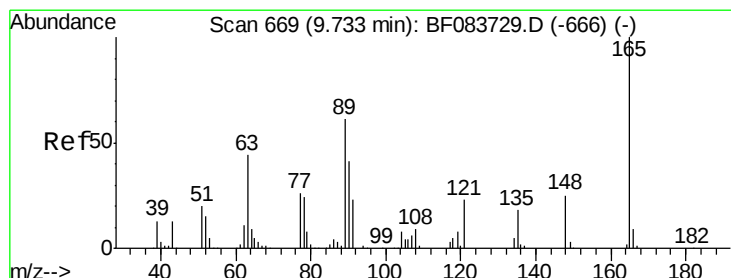
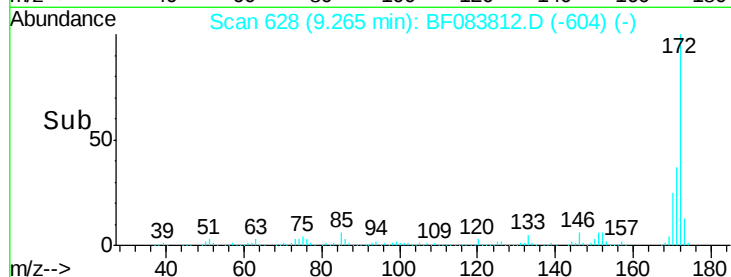
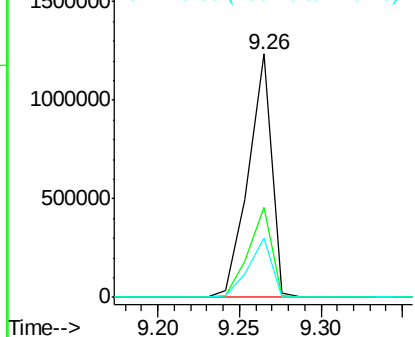
#44
 2-Fluorobiphenyl
 Concen: 82.30 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083812.D
 Acq: 15 Dec 2015 11:58

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-010

Tgt Ion:172 Resp: 1224687
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.6 42.8
 170 24.6 19.4 29.0

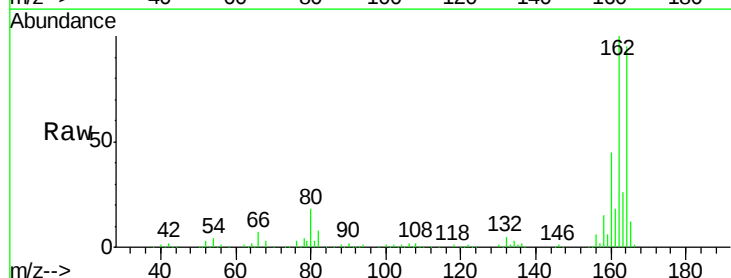


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

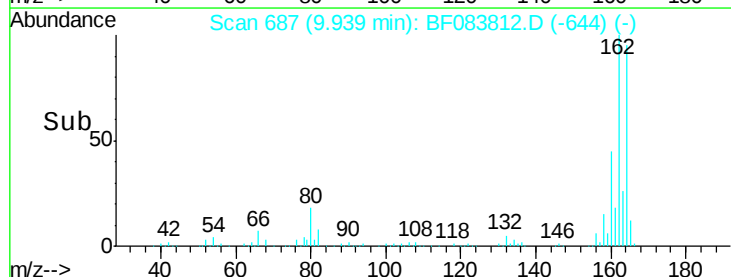
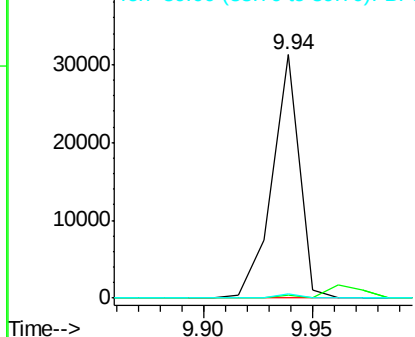


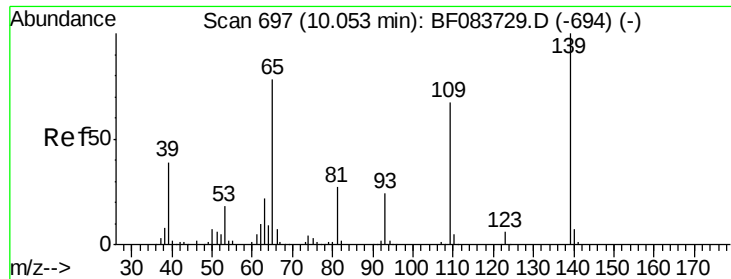
#50
 2,6-Dinitrotoluene
 Concen: 7.70 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.20 min
 Lab File: BF083812.D
 Acq: 15 Dec 2015 11:58

Tgt Ion:165 Resp: 27511
 Ion Ratio Lower Upper
 165 100
 63 1.3 56.9 85.3#
 89 1.6 52.1 78.1#



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

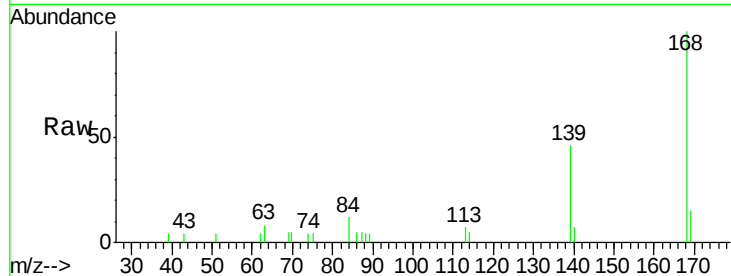




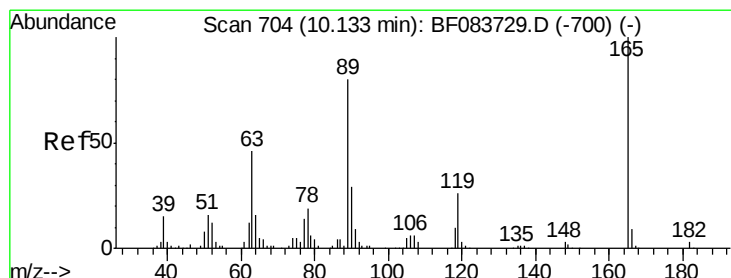
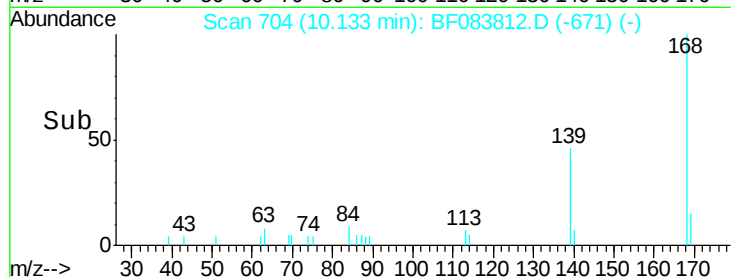
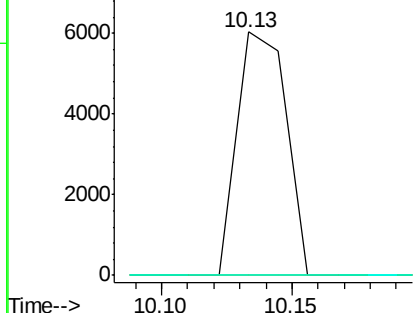
#55
4-Nitrophenol
Concen: 2.61 ng
RT: 10.13 min Scan# 704
Delta R.T. 0.08 min
Lab File: BF083812.D
Acq: 15 Dec 2015 11:58

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-010

Tgt Ion:139 Resp: 7964
Ion Ratio Lower Upper
139 100
109 0.0 42.0 82.0#
65 0.0 89.2 129.2#

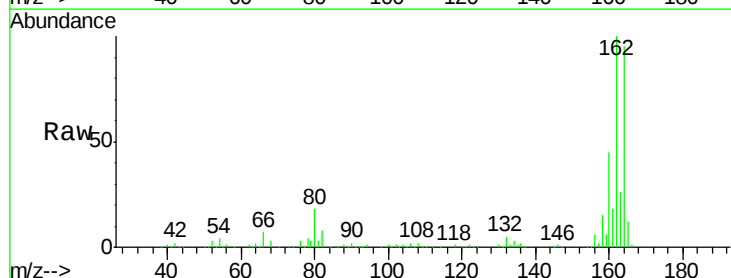


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

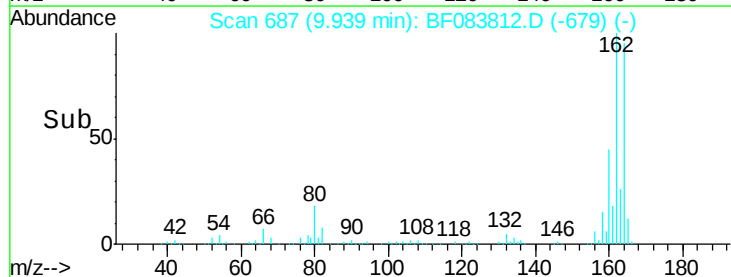
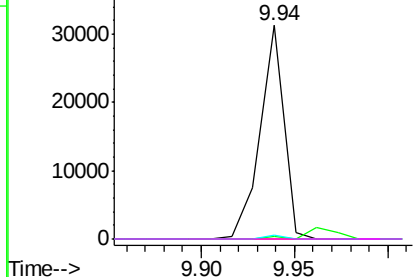


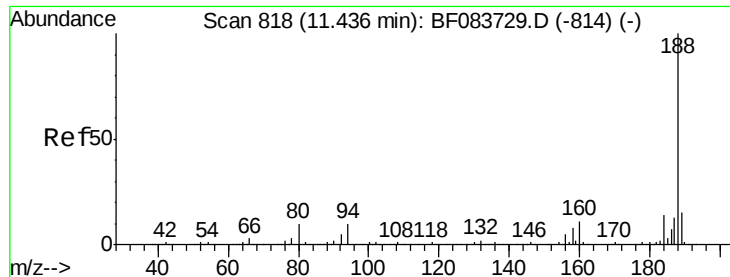
#56
2,4-Dinitrotoluene
Concen: 5.90 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.20 min
Lab File: BF083812.D
Acq: 15 Dec 2015 11:58

Tgt Ion:165 Resp: 27512
Ion Ratio Lower Upper
165 100
63 1.3 51.4 77.2#
89 1.6 72.6 108.8#
182 0.0 1.4 2.0#



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

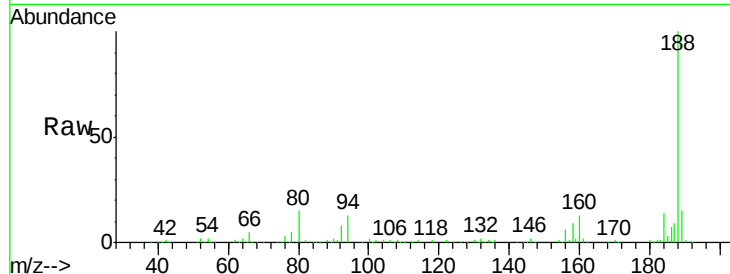




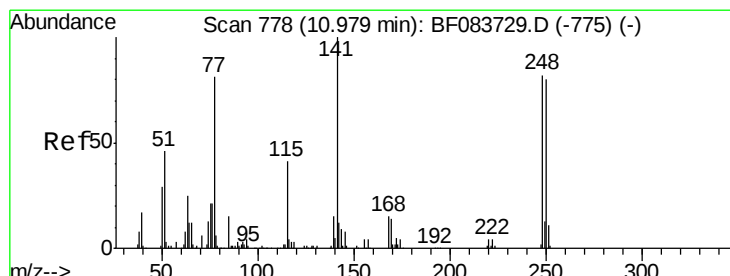
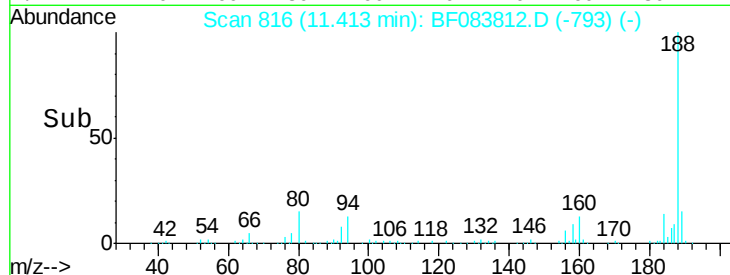
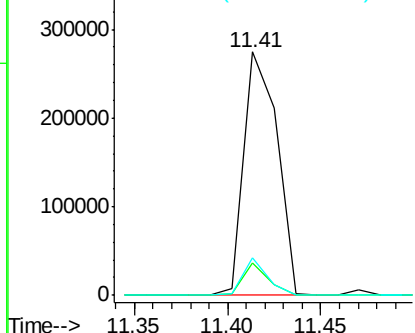
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.03 min
Lab File: BF083812.D
Acq: 15 Dec 2015 11:58

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-010

Tgt Ion:188 Resp: 340822
Ion Ratio Lower Upper
188 100
94 13.4 9.4 14.2
80 15.4 10.6 16.0

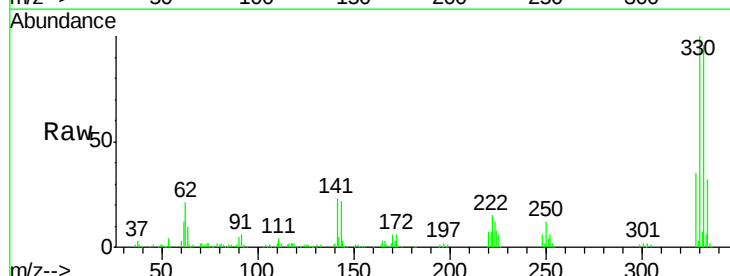


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

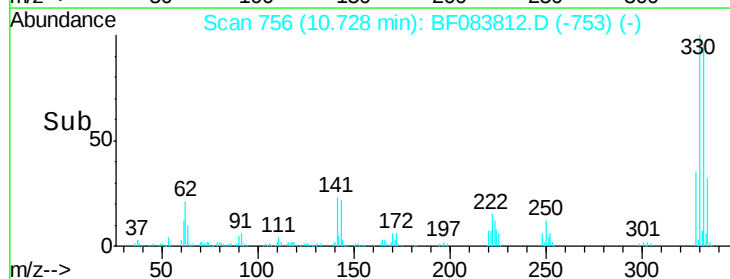
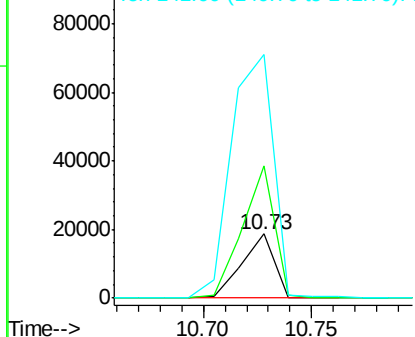


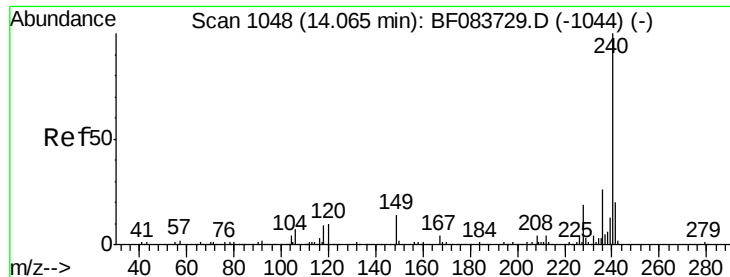
#66
4-Bromophenyl-phenylether
Concen: 5.06 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.26 min
Lab File: BF083812.D
Acq: 15 Dec 2015 11:58

Tgt Ion:248 Resp: 19299
Ion Ratio Lower Upper
248 100
250 206.7 79.2 118.8#
141 380.5 58.2 87.4#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083812.D

Acq: 15 Dec 2015 11:58

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-010

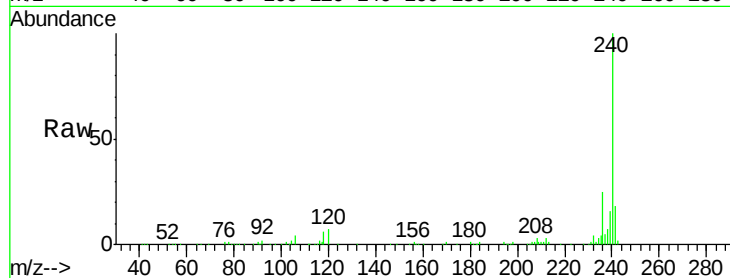
Tgt Ion:240 Resp: 236132

Ion Ratio Lower Upper

240 100

120 6.9 8.1 12.1#

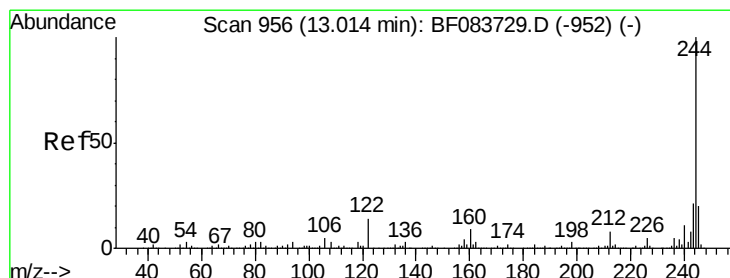
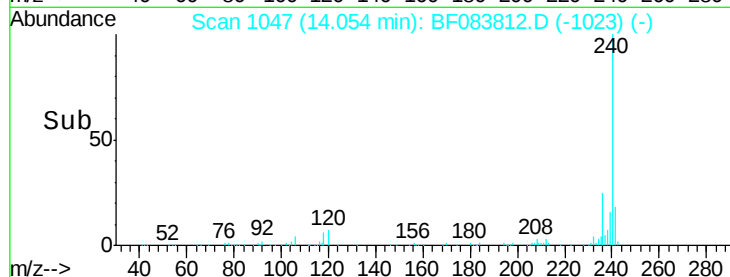
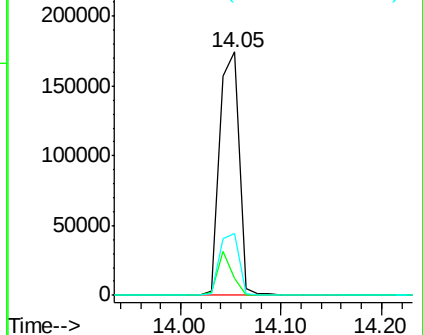
236 25.3 20.8 31.2



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: 73.47 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF083812.D

Acq: 15 Dec 2015 11:58

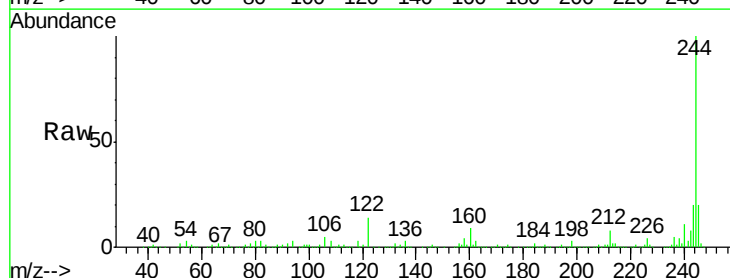
Tgt Ion:244 Resp: 806513

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

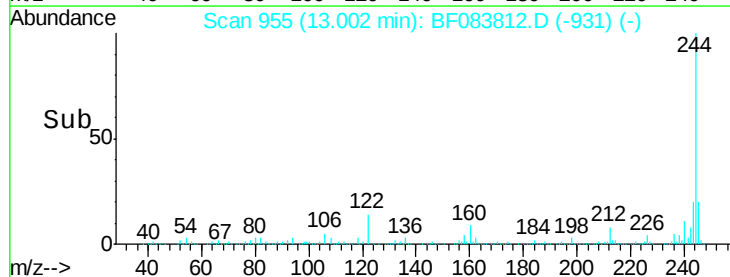
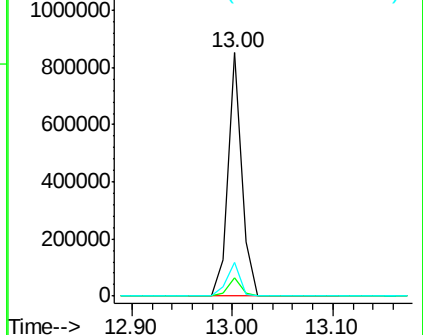
122 13.7 11.0 16.6

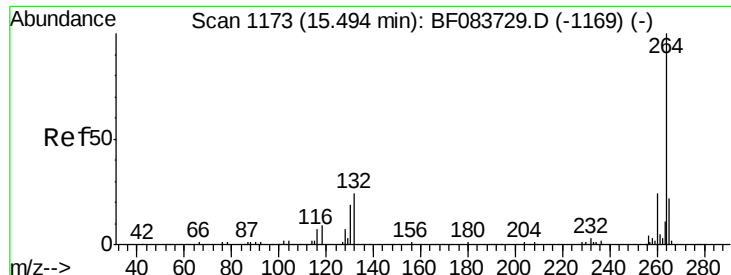


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

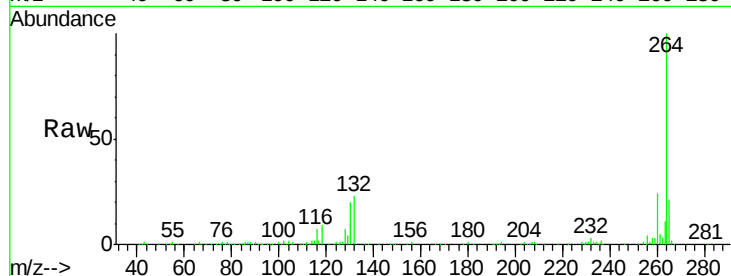




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083812.D
Acq: 15 Dec 2015 11:58

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-010

Tgt Ion: 264 Resp: 225346
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.0
265 21.4 17.8 26.6



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

