

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121415\
 Data File : BF083785.D
 Acq On : 14 Dec 2015 22:51
 Operator : UM/IZ
 Sample : G4763-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-010

Quant Time: Dec 15 02:26:25 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

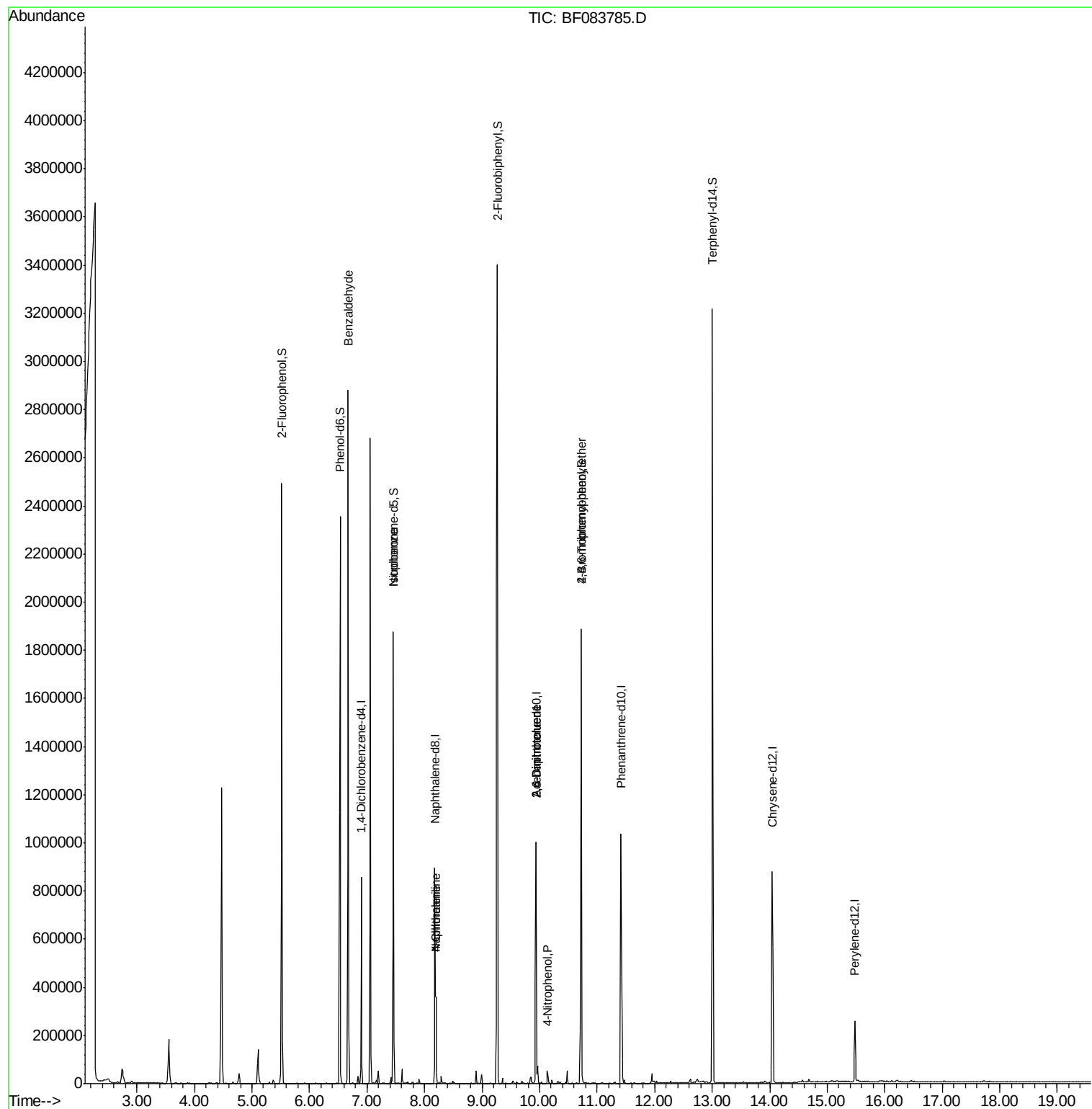
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	116197	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	444646	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	210168	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	416825	20.00	ng	-0.03
75) Chrysene-d12	14.04	240	354208	20.00	ng	-0.03
86) Perylene-d12	15.48	264	77581	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	739117	102.62	ng	-0.01
7) Phenol-d6	6.53	99	901568	98.84	ng	-0.01
23) Nitrobenzene-d5	7.46	82	634753	79.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	338725	158.17	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1328906	96.79	ng	-0.02
78) Terphenyl-d14	13.00	244	1155182	70.15	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.67	77	19142	3.91	ng	94
25) Isophorone	7.46	82	631167	40.48	ng	# 69
31) Naphthalene	8.20	128	151790	6.55	ng	99
33) 4-Chloroaniline	8.20	127	20685	2.18	ng	# 32
50) 2,6-Dinitrotoluene	9.94	165	26580	7.64	ng	# 18
55) 4-Nitrophenol	10.13	139	9176	3.09	ng	# 5
56) 2,4-Dinitrotoluene	9.94	165	26581	5.85	ng	# 13
66) 4-Bromophenyl-phenylether	10.73	248	23064	4.95	ng	# 1

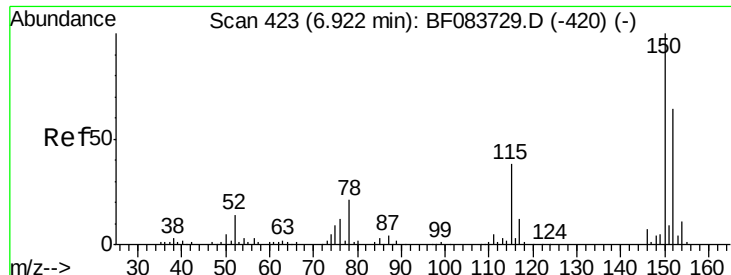
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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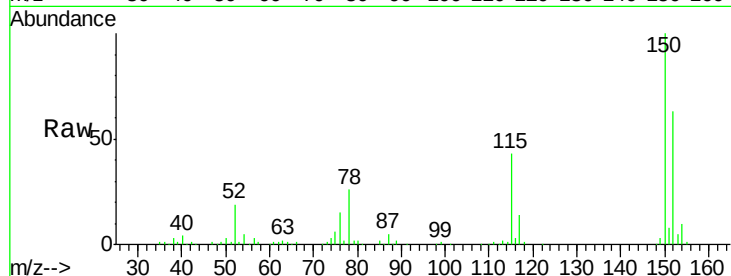


#1

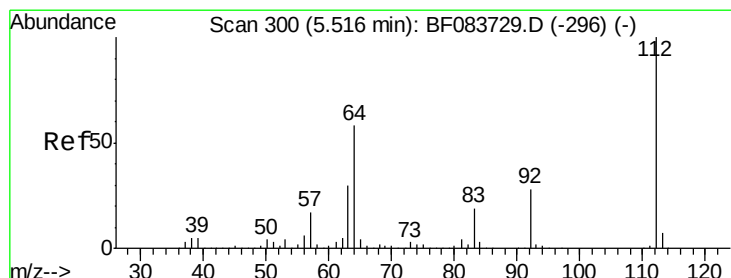
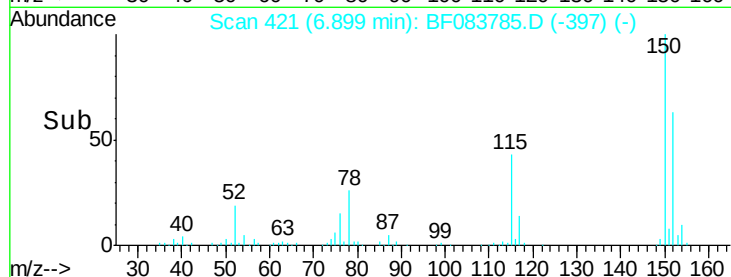
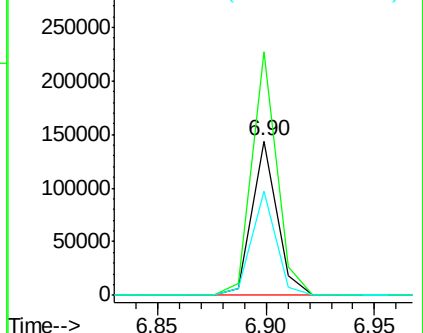
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.02 min
 Lab File: BF083785.D
 Acq: 14 Dec 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-010

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.5	189.7
115	67.8	52.3	78.5



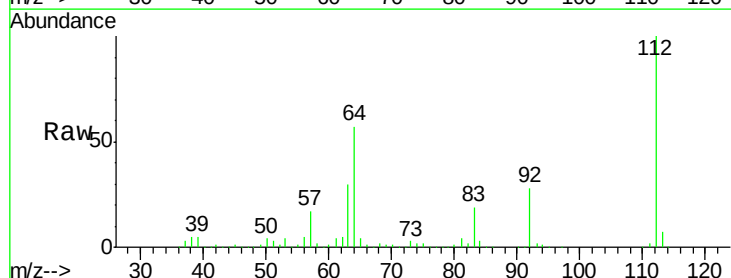
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



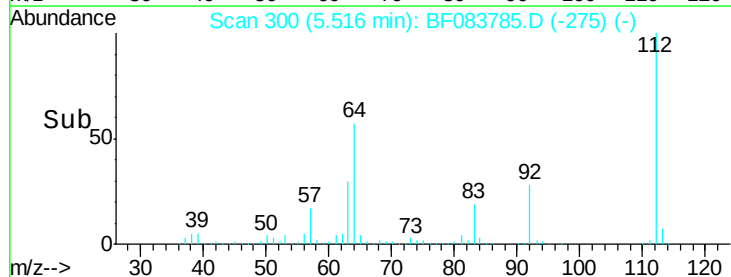
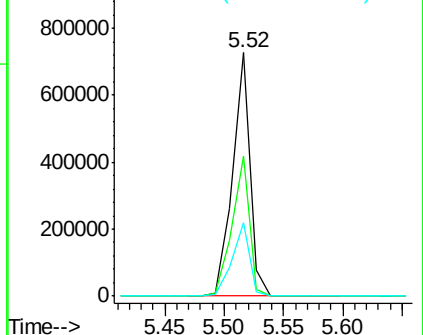
#5

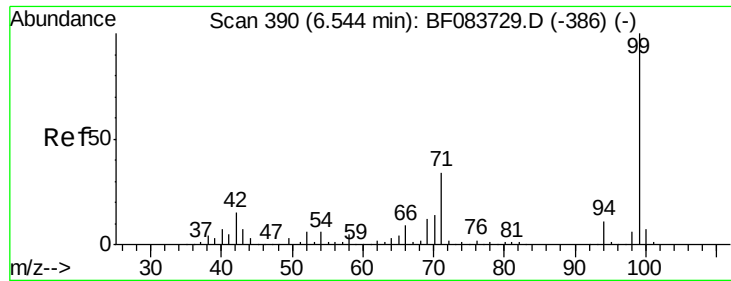
2-Fluorophenol
 Concen: 102.62 ng
 RT: 5.52 min Scan# 300
 Delta R.T. -0.01 min
 Lab File: BF083785.D
 Acq: 14 Dec 2015 22:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	50.5	75.7
63	30.2	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: 98.84 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083785.D

Acq: 14 Dec 2015 22:51

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-010

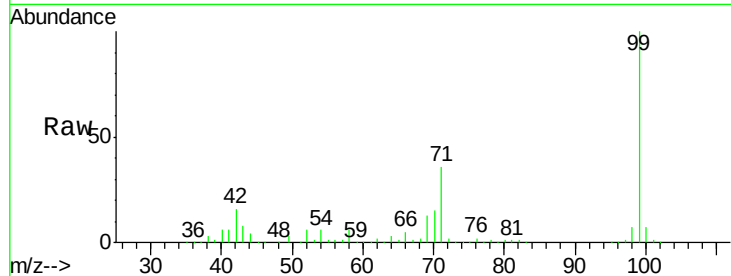
Tgt Ion: 99 Resp: 901568

Ion Ratio Lower Upper

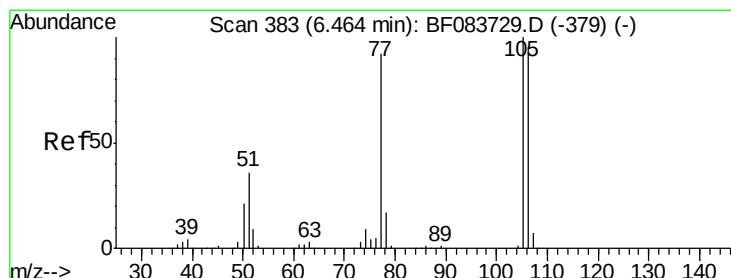
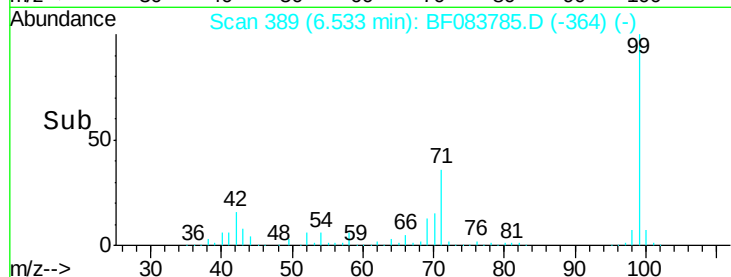
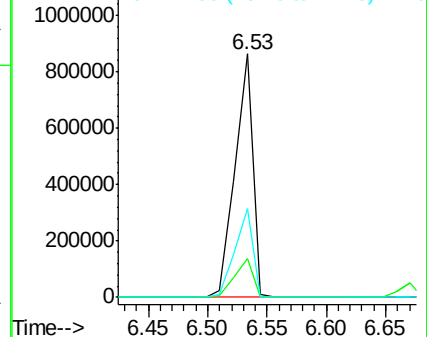
99 100

42 15.8 17.3 25.9#

71 36.3 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: 3.91 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.21 min

Lab File: BF083785.D

Acq: 14 Dec 2015 22:51

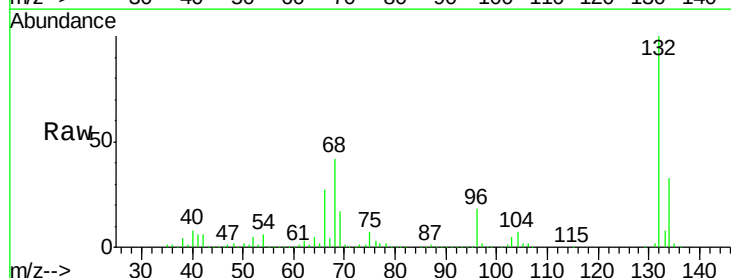
Tgt Ion: 77 Resp: 19142

Ion Ratio Lower Upper

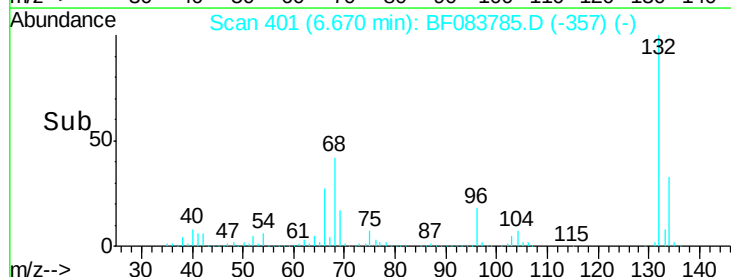
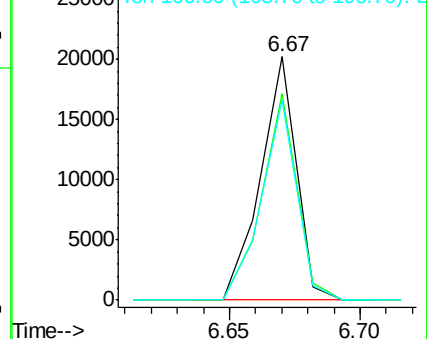
77 100

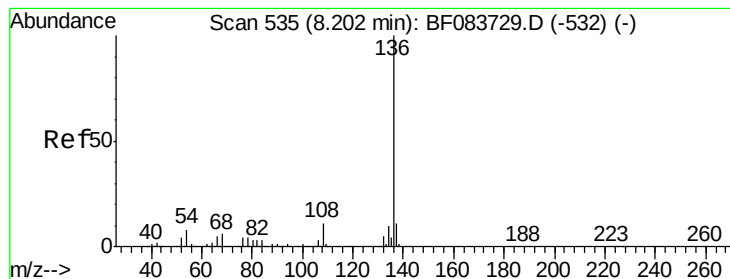
105 84.8 71.8 111.8

106 82.3 66.8 106.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF083785.D

Acq: 14 Dec 2015 22:51

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-010

Tgt Ion: 136 Resp: 444646

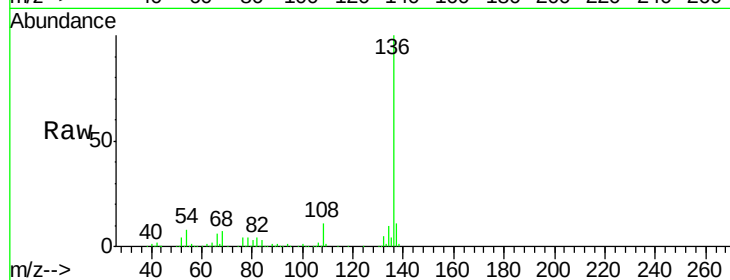
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.0 7.8 11.6

68 6.5 5.7 8.5

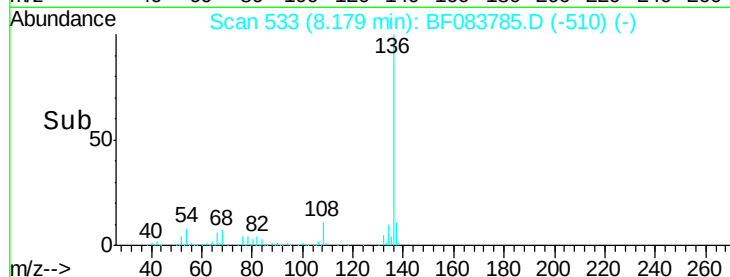


Abundance Ion 136.00 (135.70 to 136.70): E

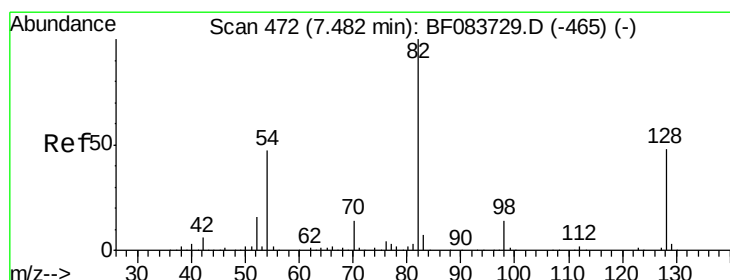
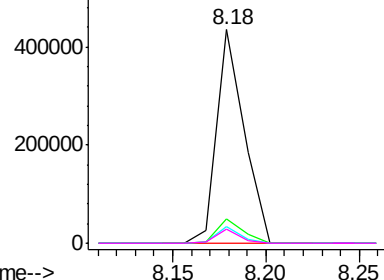
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 79.87 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF083785.D

Acq: 14 Dec 2015 22:51

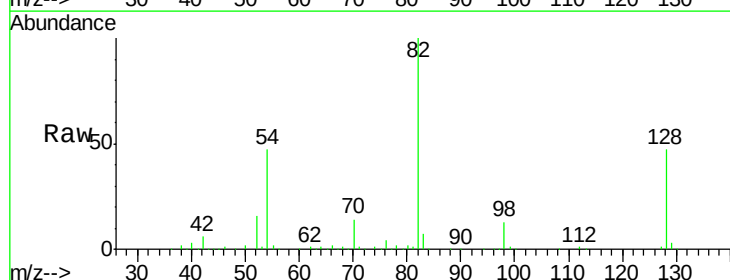
Tgt Ion: 82 Resp: 634753

Ion Ratio Lower Upper

82 100

128 46.6 30.7 46.1#

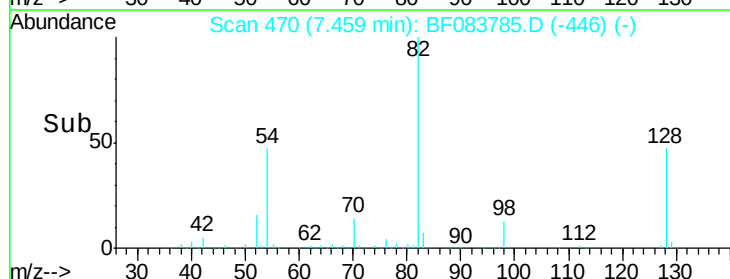
54 47.2 42.5 63.7



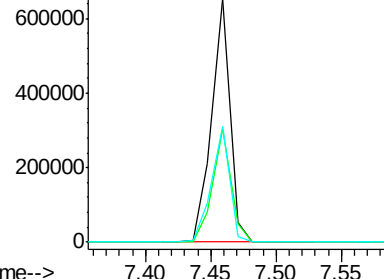
Abundance Ion 82.00 (81.70 to 82.70): BF0

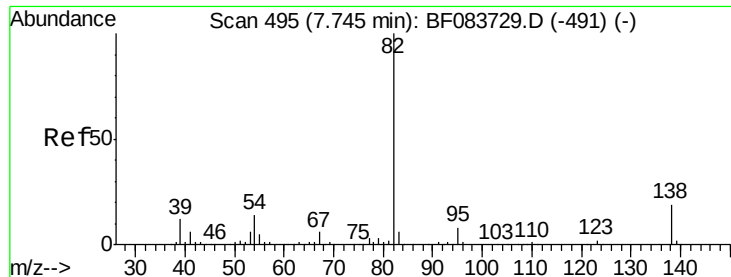
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 40.48 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.29 min

Lab File: BF083785.D

Acq: 14 Dec 2015 22:51

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-010

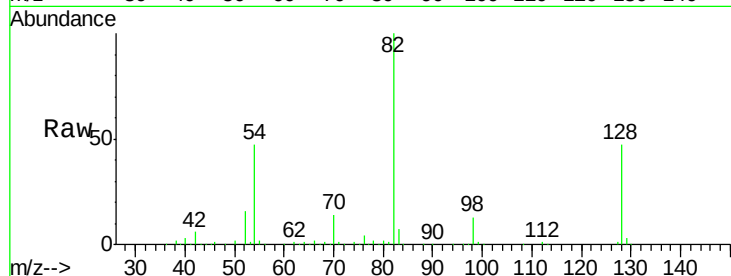
Tgt Ion: 82 Resp: 631167

Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

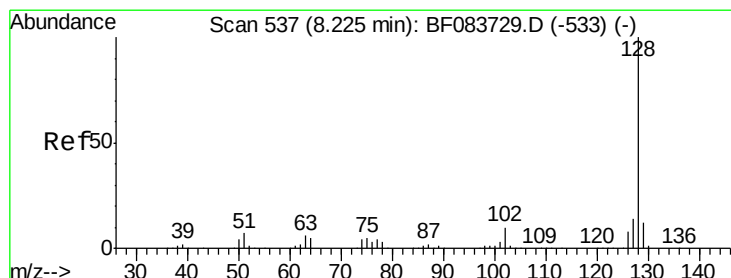
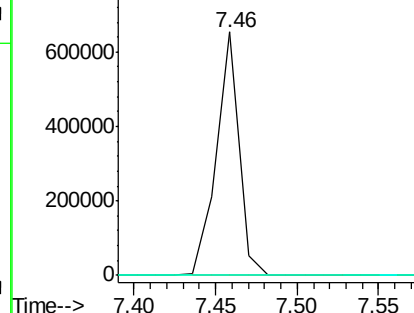
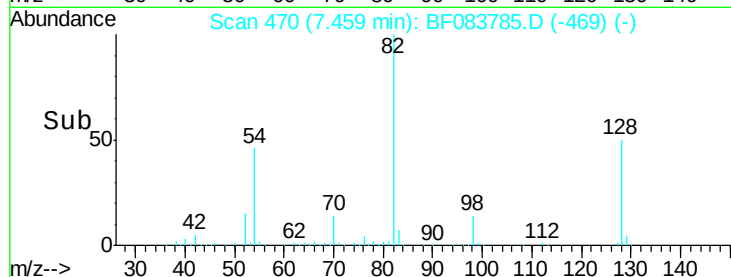
138 0.0 12.1 18.1#



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): E



#31

Naphthalene

Concen: 6.55 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.03 min

Lab File: BF083785.D

Acq: 14 Dec 2015 22:51

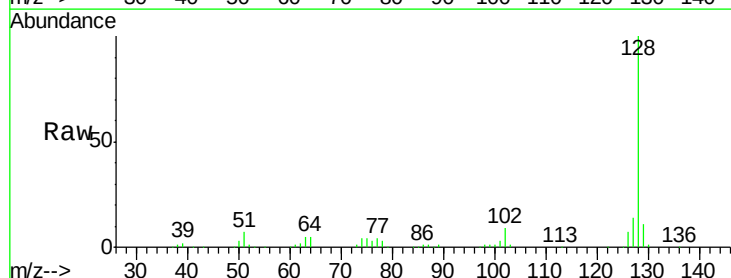
Tgt Ion: 128 Resp: 151790

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

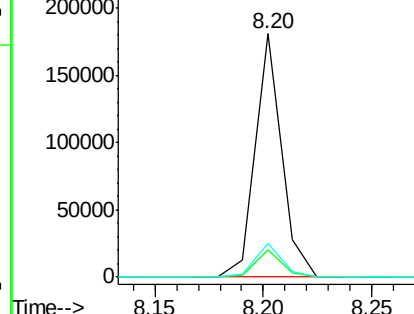
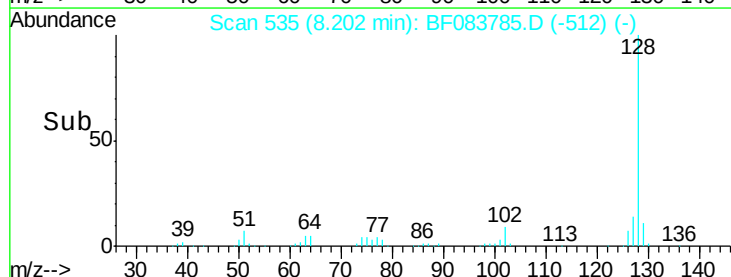
127 13.6 10.6 16.0

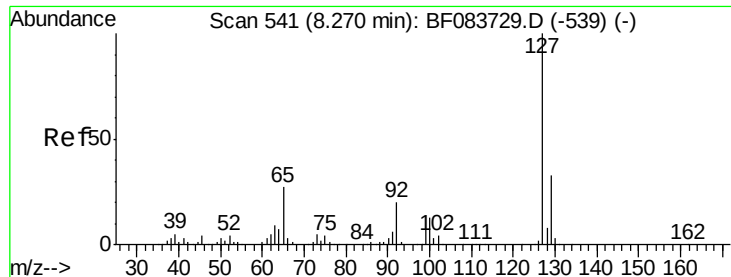


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

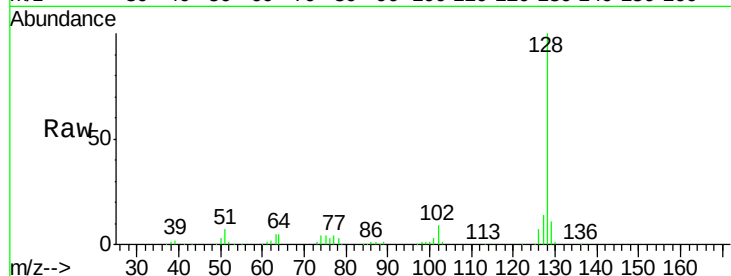




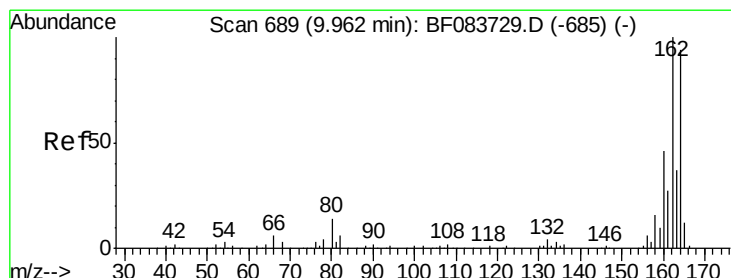
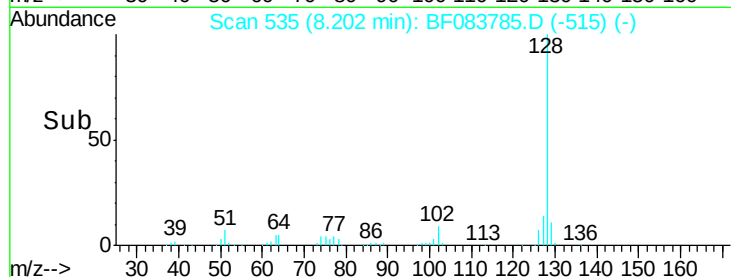
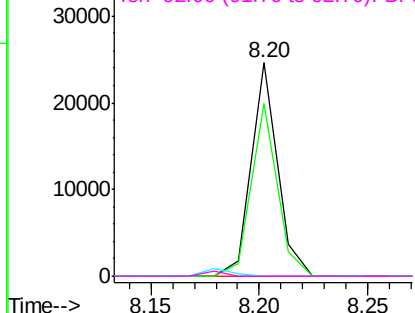
#33
4-Chloroaniline
Concen: 2.18 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.07 min
Lab File: BF083785.D
Acq: 14 Dec 2015 22:51

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-010

Tgt Ion:	127	Resp:	20685
Ion	Ratio	Lower	Upper
127	100		
129	80.8	26.1	39.1#
65	0.0	33.5	50.3#
92	0.0	18.6	28.0#

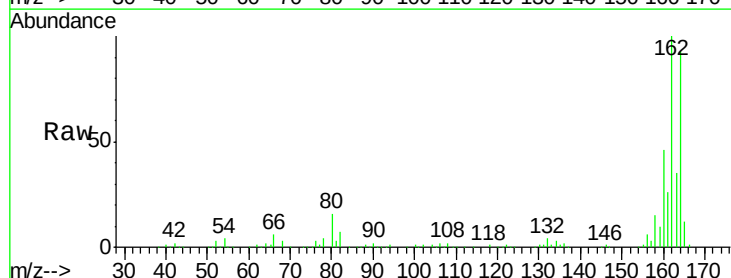


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

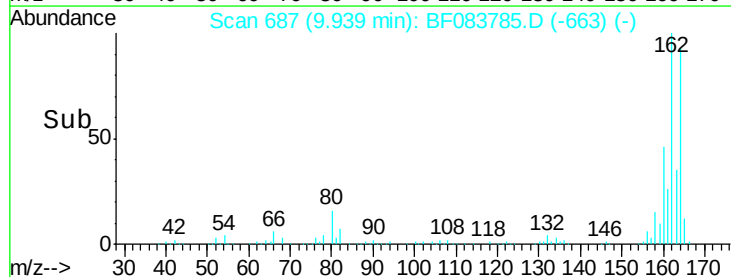
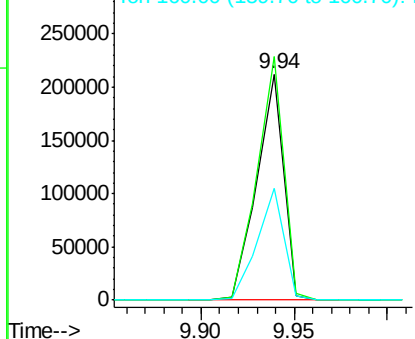


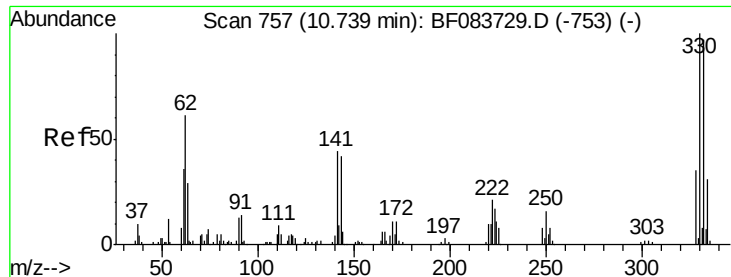
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083785.D
Acq: 14 Dec 2015 22:51

Tgt Ion:	164	Resp:	210168
Ion	Ratio	Lower	Upper
164	100		
162	107.6	78.8	118.2
160	49.6	33.4	50.2



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

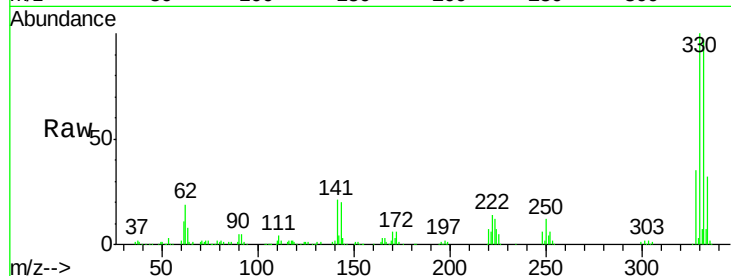




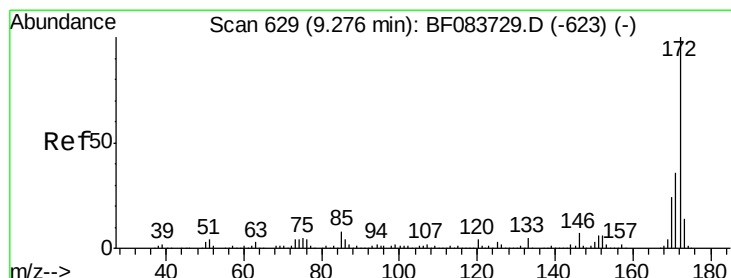
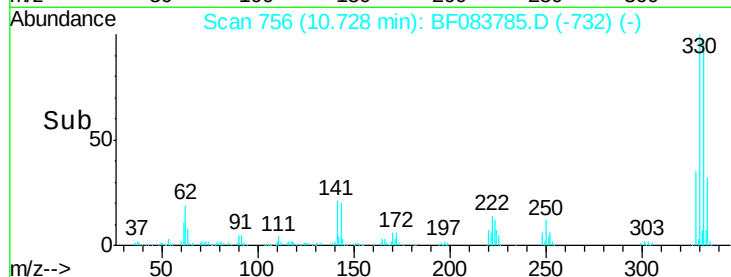
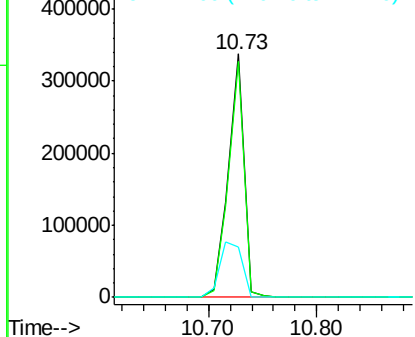
#41
 2,4,6-Tribromophenol
 Concen: 158.17 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083785.D
 Acq: 14 Dec 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-010

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	32.9	0.0	0.0#

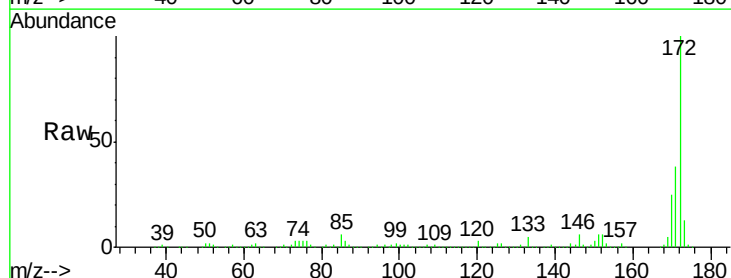


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

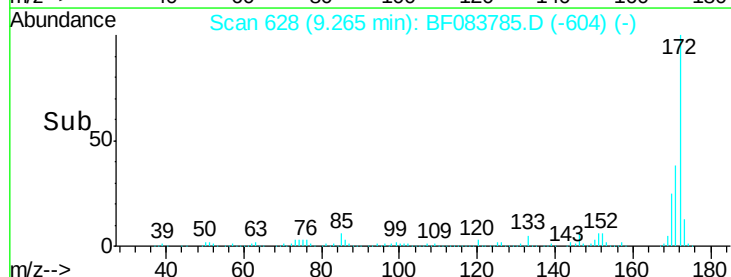
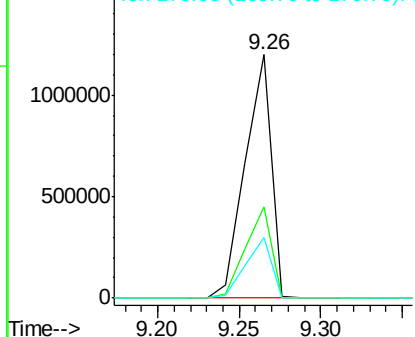


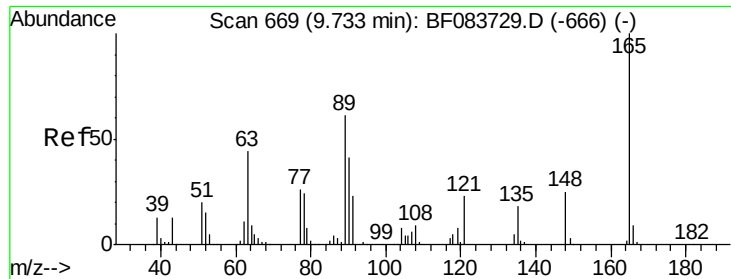
#44
 2-Fluorobiphenyl
 Concen: 96.79 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083785.D
 Acq: 14 Dec 2015 22:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	28.6	42.8
170	25.0	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

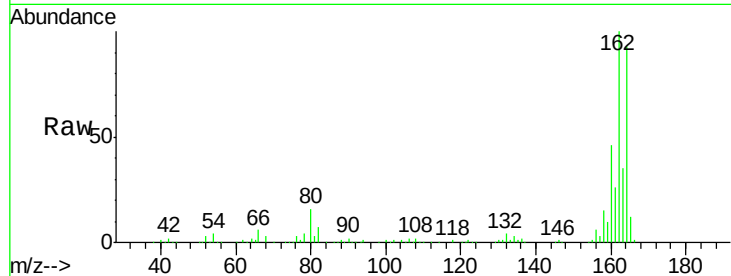




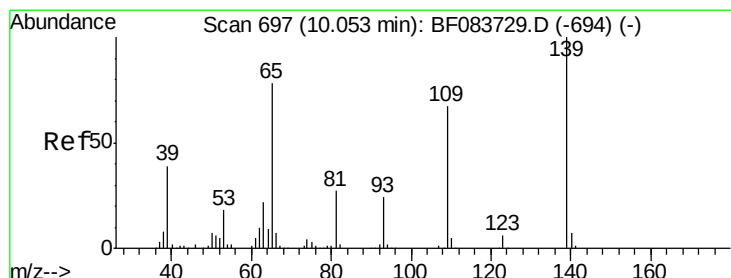
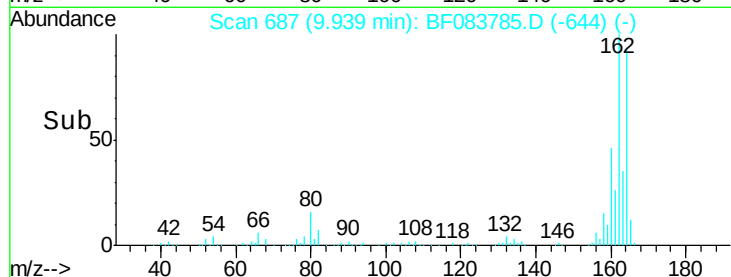
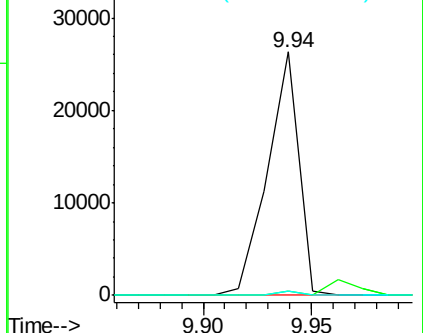
#50
 2,6-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.20 min
 Lab File: BF083785.D
 Acq: 14 Dec 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-010

Tgt Ion:165 Resp: 26580
 Ion Ratio Lower Upper
 165 100
 63 1.7 56.9 85.3#
 89 2.0 52.1 78.1#

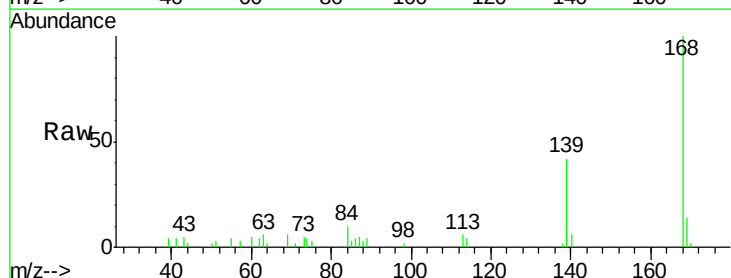


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

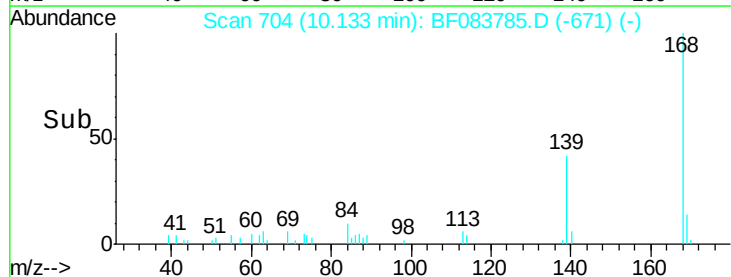
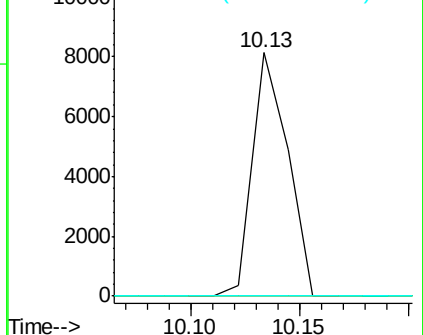


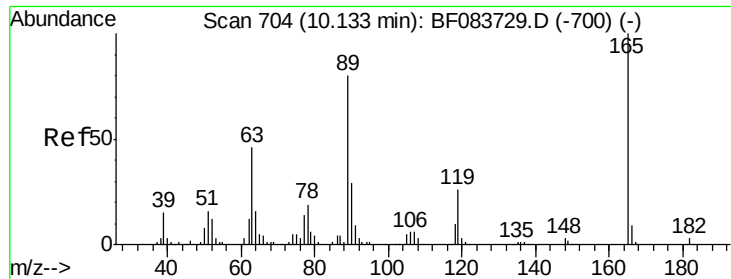
#55
 4-Nitrophenol
 Concen: 3.09 ng
 RT: 10.13 min Scan# 704
 Delta R.T. 0.08 min
 Lab File: BF083785.D
 Acq: 14 Dec 2015 22:51

Tgt Ion:139 Resp: 9176
 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

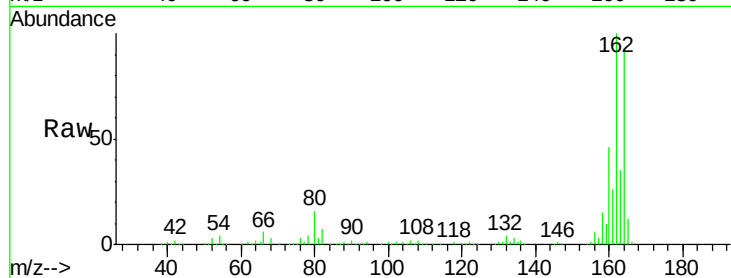




#56
 2,4-Dinitrotoluene
 Concen: 5.85 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.20 min
 Lab File: BF083785.D
 Acq: 14 Dec 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-010

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	51.4	77.2#
89	2.0	72.6	108.8#
182	0.0	1.4	2.0#

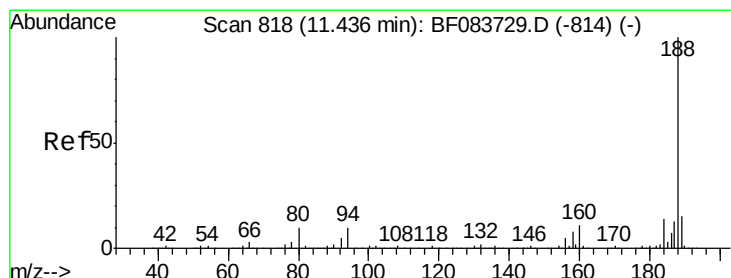
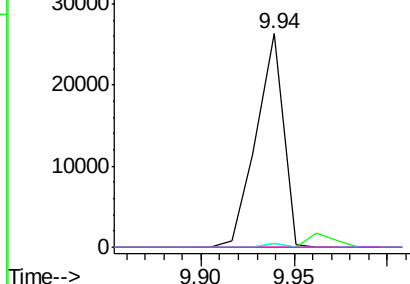
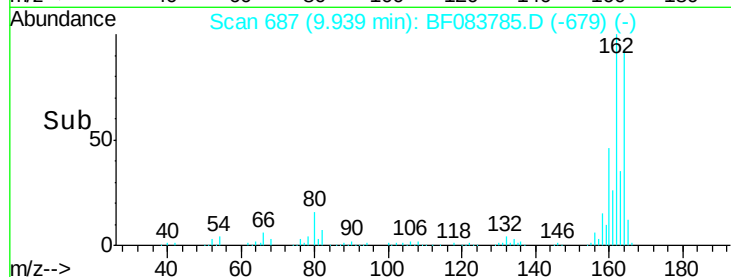


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

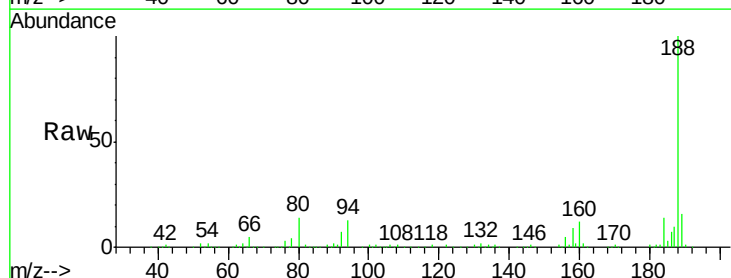
Ion 89.00 (88.70 to 89.70): BF0

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: BF083785.D
 Acq: 14 Dec 2015 22:51

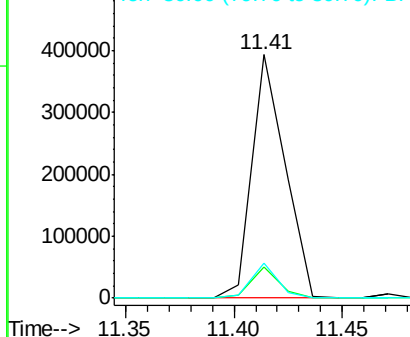
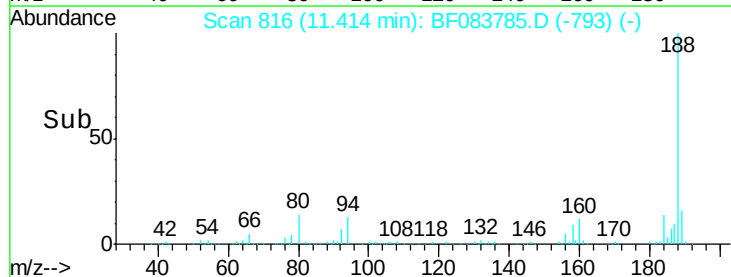
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.8	9.4	14.2
80	14.2	10.6	16.0

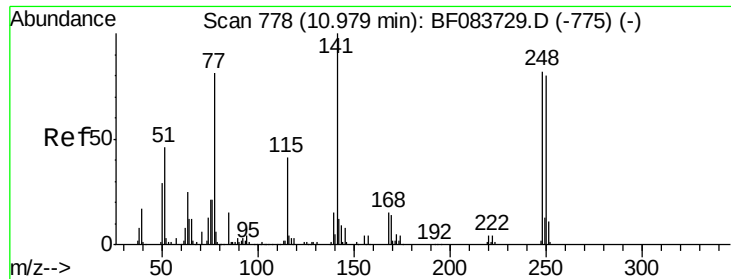


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

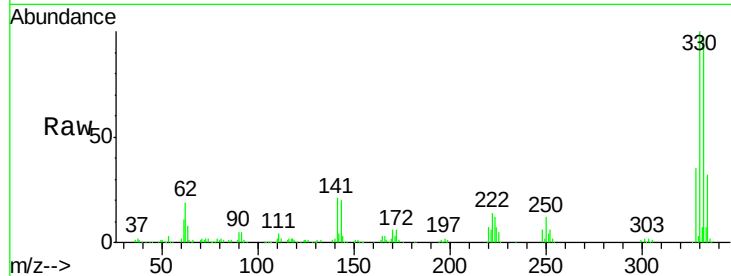




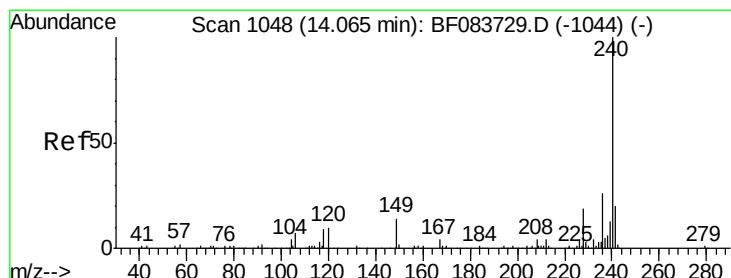
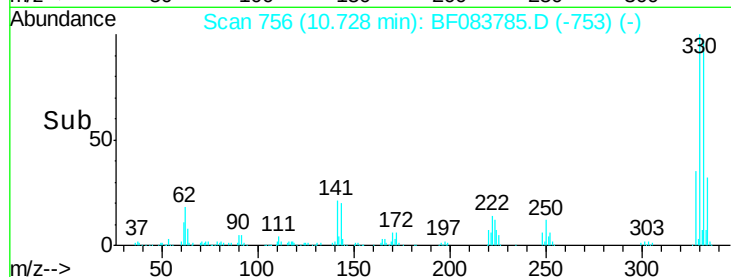
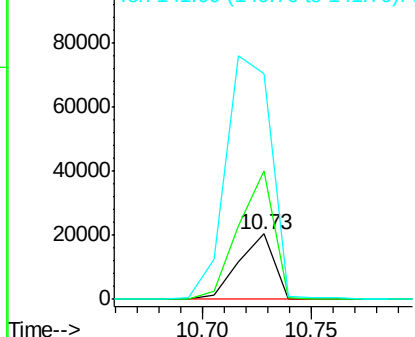
#66
4-Bromophenyl-phenylether
Concen: 4.95 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.26 min
Lab File: BF083785.D
Acq: 14 Dec 2015 22:51

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-010

Tgt Ion:248 Resp: 23064
Ion Ratio Lower Upper
248 100
250 195.9 79.2 118.8#
141 346.1 58.2 87.4#

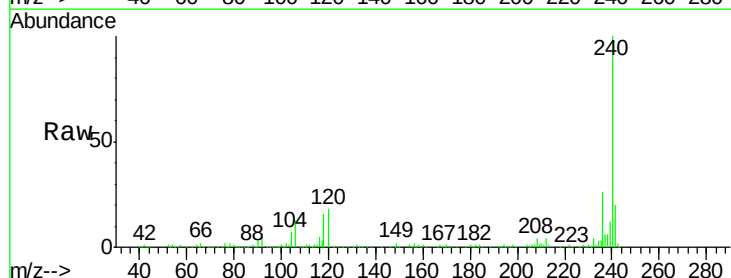


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

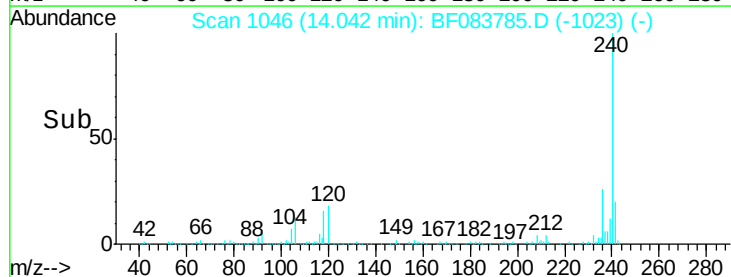
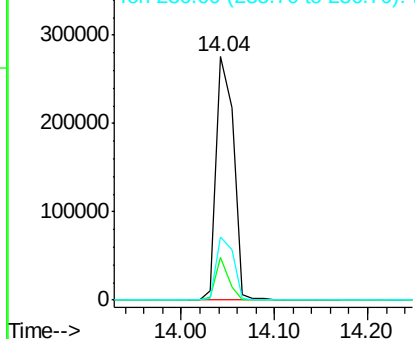


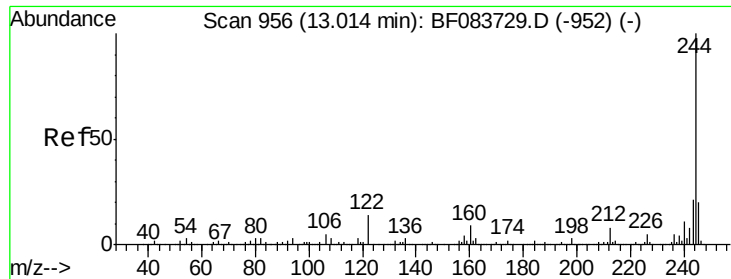
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BF083785.D
Acq: 14 Dec 2015 22:51

Tgt Ion:240 Resp: 354208
Ion Ratio Lower Upper
240 100
120 17.7 8.1 12.1#
236 26.2 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

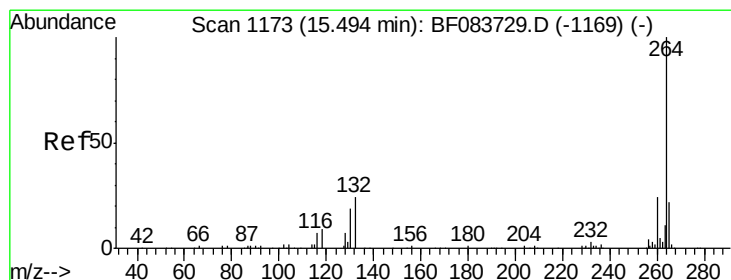
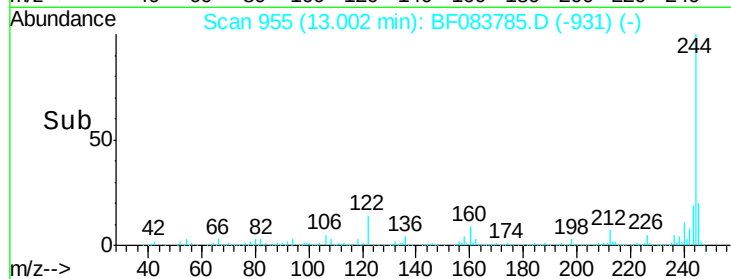
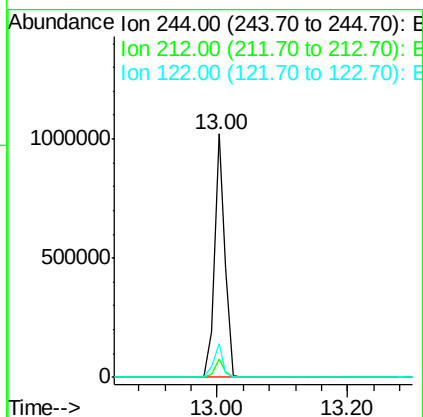
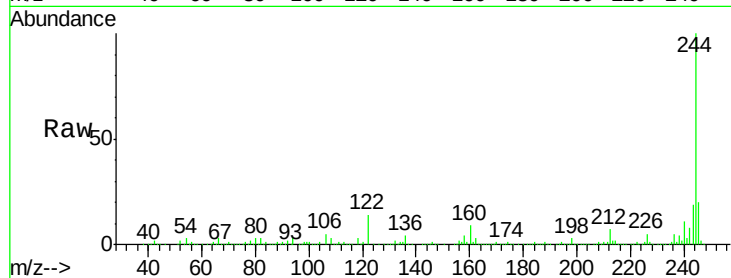




#78
 Terphenyl-d14
 Concen: 70.15 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF083785.D
 Acq: 14 Dec 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-010

Tgt Ion:244 Resp: 1155182
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 13.7 11.0 16.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF083785.D
 Acq: 14 Dec 2015 22:51

Tgt Ion:264 Resp: 77581
 Ion Ratio Lower Upper
 264 100
 260 31.4 19.4 29.0#
 265 19.4 17.8 26.6

