

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091283.D
 Acq On : 23 Nov 2016 19:07
 Operator : UM/SJ
 Sample : H5796-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Nov 23 23:59:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

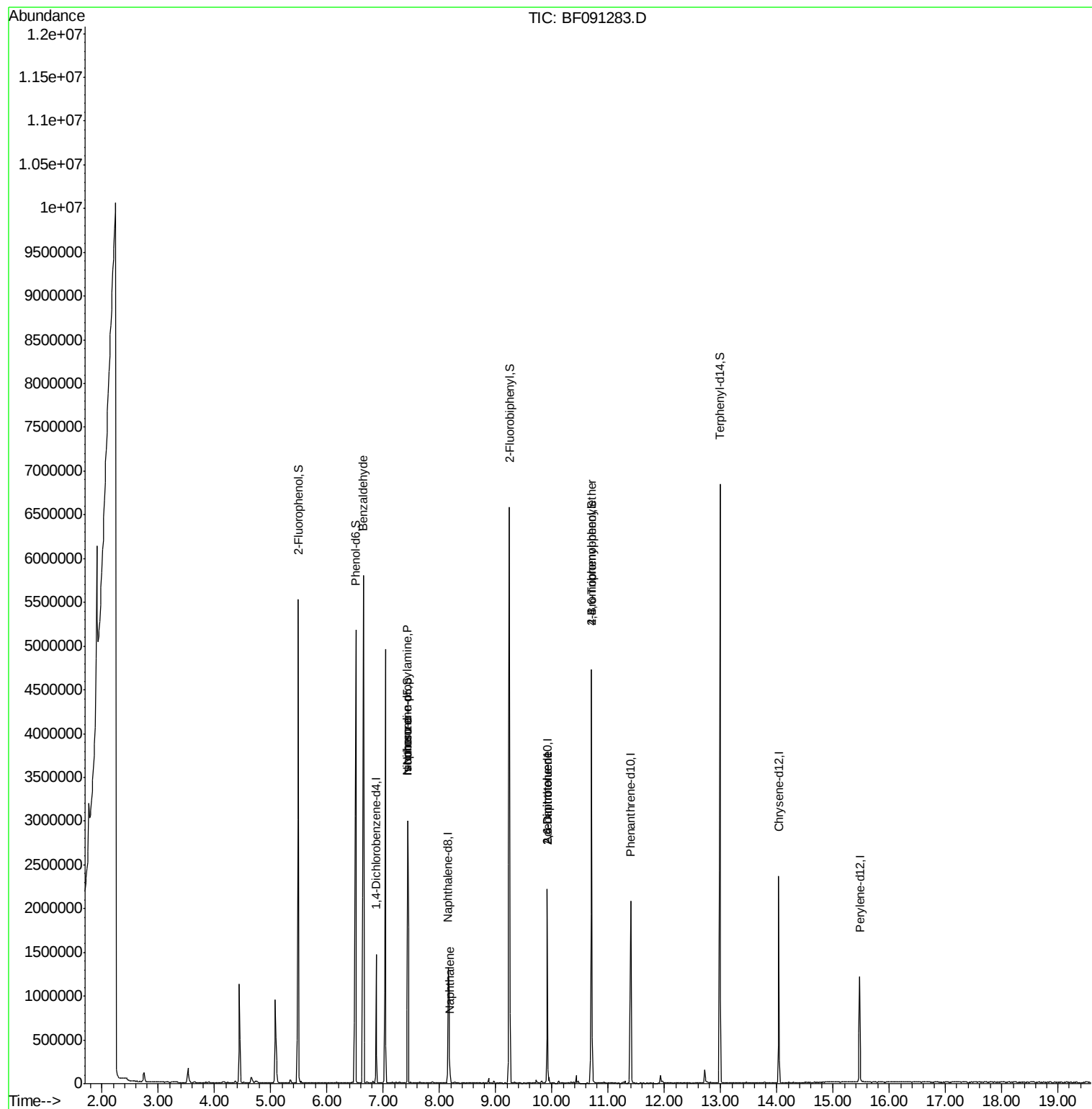
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	200132	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	808379	20.00	ng	-0.01
38) Acenaphthene-d10	9.92	164	478121	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	882149	20.00	ng	0.00
75) Chrysene-d12	14.03	240	799579	20.00	ng	-0.01
86) Perylene-d12	15.47	264	437106	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1531097	122.92	ng	0.02
7) Phenol-d6	6.51	99	1963217	122.67	ng	0.01
23) Nitrobenzene-d5	7.44	82	1232086	87.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	623315	129.28	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	2277785	78.01	ng	0.00
78) Terphenyl-d14	12.99	244	2327567	66.48	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	39573	3.46	ng	82
19) n-Nitroso-di-n-propylamine	7.44	70	165860	16.52	ng	# 75
25) Isophorone	7.44	82	1051592	40.09	ng	# 67
31) Naphthalene	8.18	128	132707	3.41	ng	98
50) 2,6-Dinitrotoluene	9.92	165	63891	9.80	ng	# 16
56) 2,4-Dinitrotoluene	9.92	165	63893	7.74	ng	# 33
66) 4-Bromophenyl-phenylether	10.70	248	37859	3.93	ng	# 1

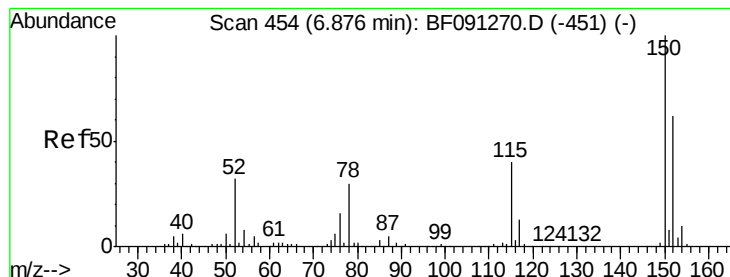
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

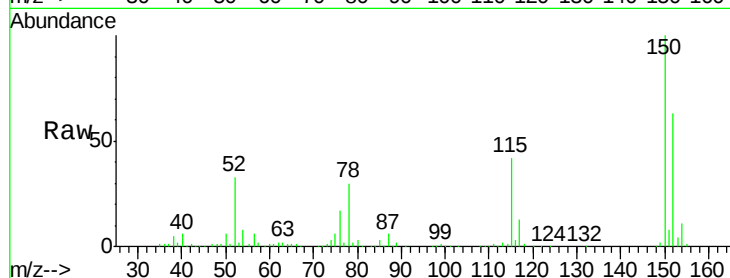
Tgt Ion:152 Resp: 200132

Ion Ratio Lower Upper

152 100

150 157.5 122.5 183.7

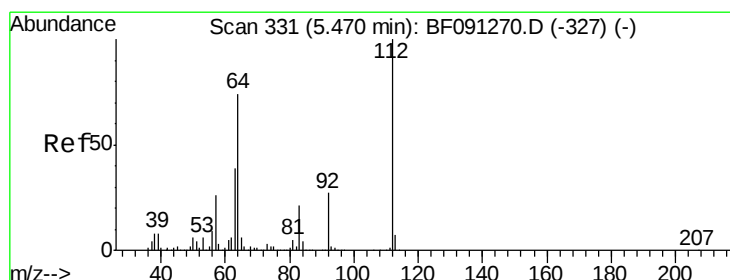
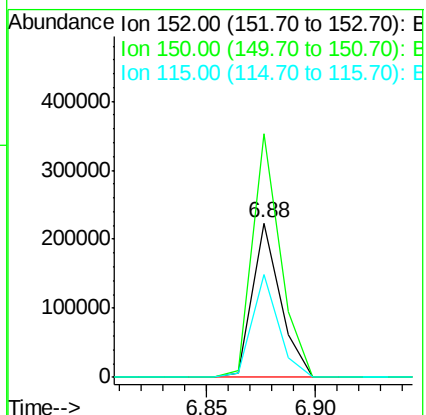
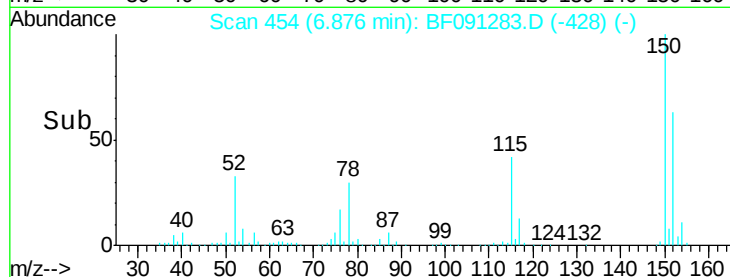
115 66.7 51.8 77.8



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: 122.92 ng

RT: 5.49 min Scan# 333

Delta R.T. 0.02 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

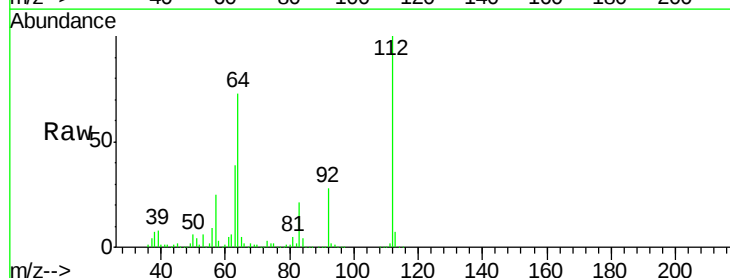
Tgt Ion:112 Resp: 1531097

Ion Ratio Lower Upper

112 100

64 73.2 61.5 92.3

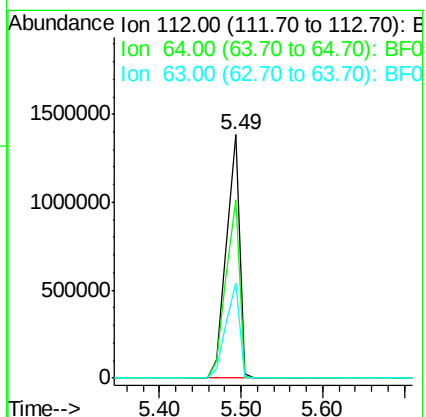
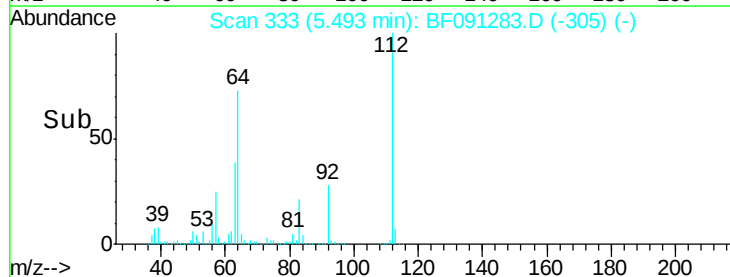
63 39.0 33.3 49.9

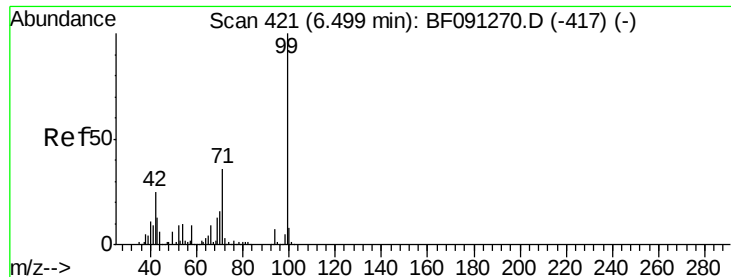


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.67 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

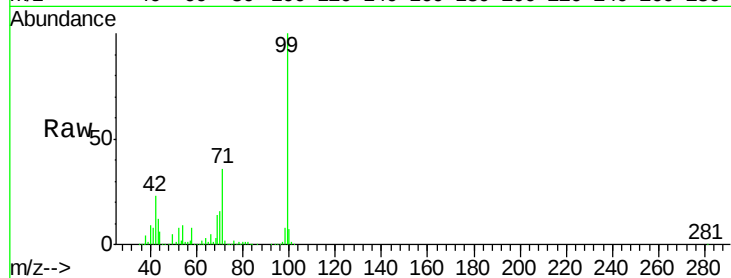
Tgt Ion: 99 Resp: 1963217

Ion Ratio Lower Upper

99 100

42 22.8 20.6 31.0

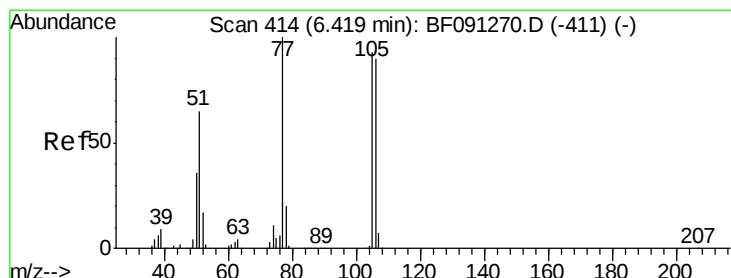
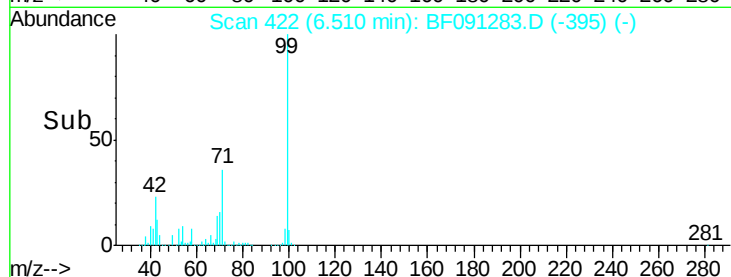
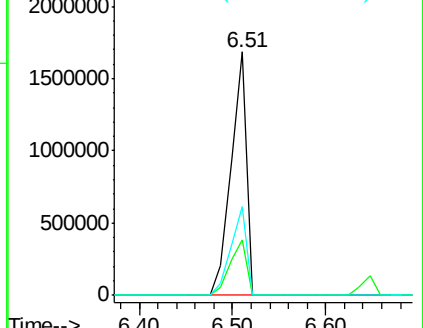
71 36.4 29.9 44.9



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: 3.46 ng

RT: 6.65 min Scan# 434

Delta R.T. 0.23 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

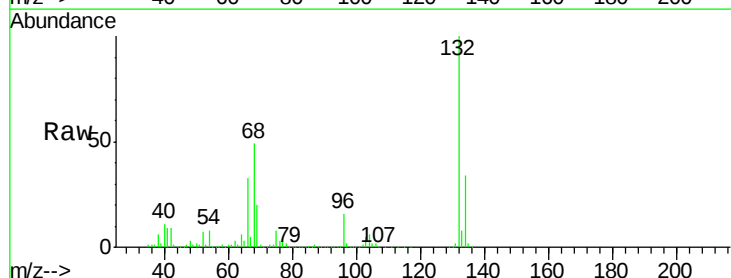
Tgt Ion: 77 Resp: 39573

Ion Ratio Lower Upper

77 100

105 72.3 66.4 106.4

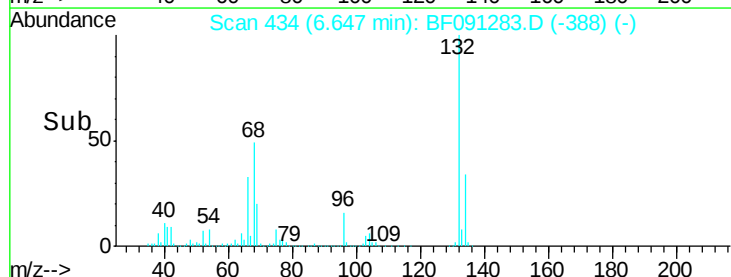
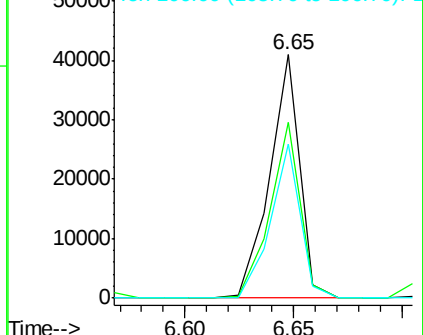
106 63.1 60.9 100.9

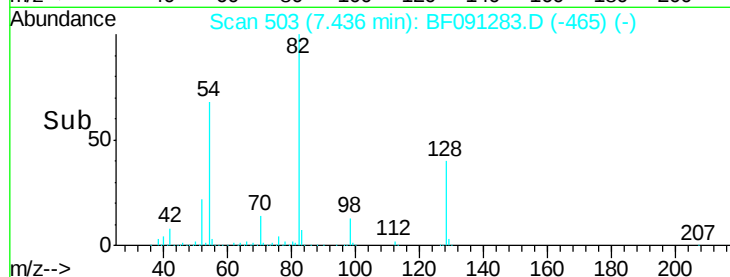
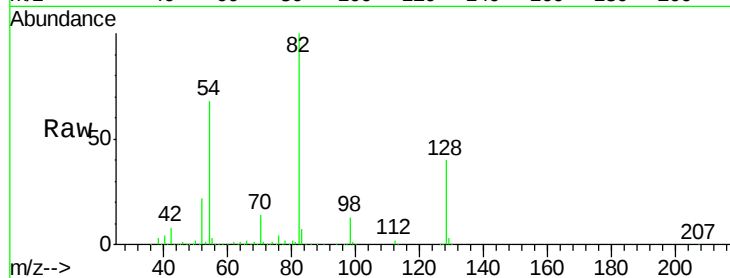
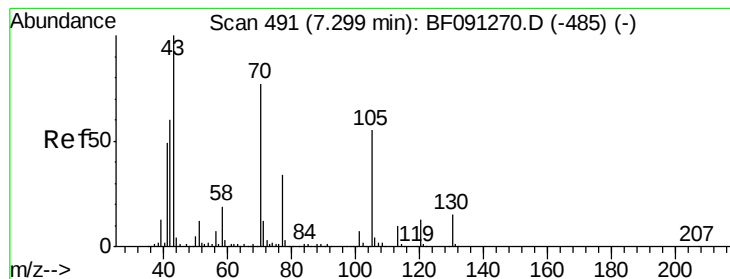


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 16.52 ng

RT: 7.44 min Scan# 503

Delta R.T. 0.14 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

Tgt Ion: 70 Resp: 165860

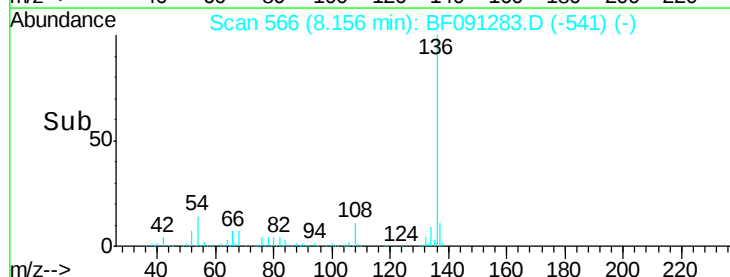
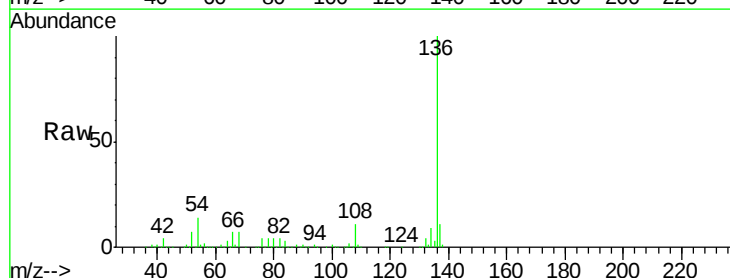
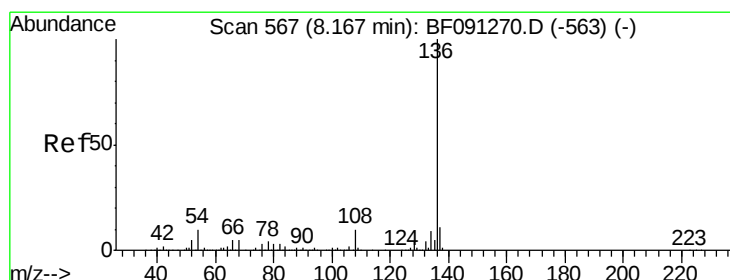
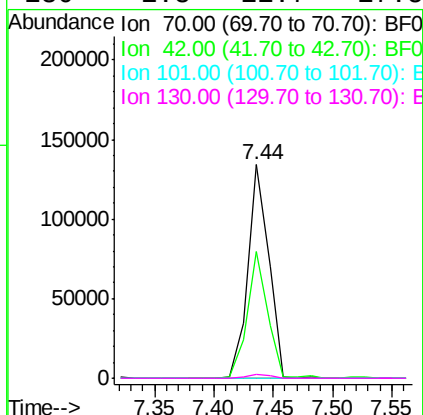
Ion Ratio Lower Upper

70 100

42 59.5 64.8 97.2#

101 0.0 6.2 9.4#

130 1.8 11.7 17.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

Tgt Ion: 136 Resp: 808379

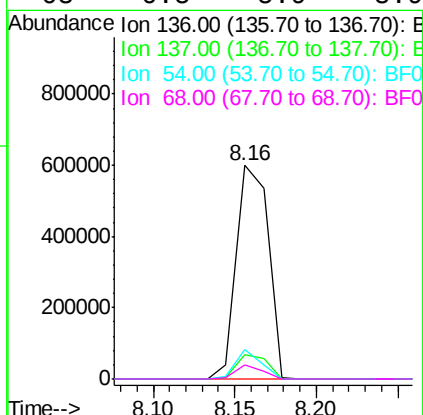
Ion Ratio Lower Upper

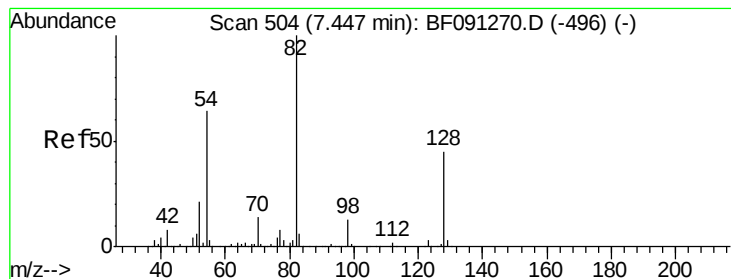
136 100

137 11.2 9.1 13.7

54 13.9 9.1 13.7#

68 6.5 5.9 8.9





#23

Nitrobenzene-d5

Concen: 87.74 ng

RT: 7.44 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

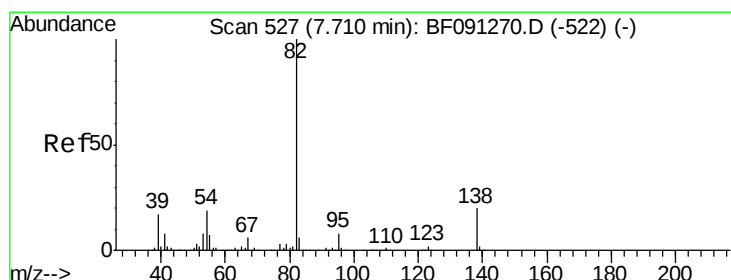
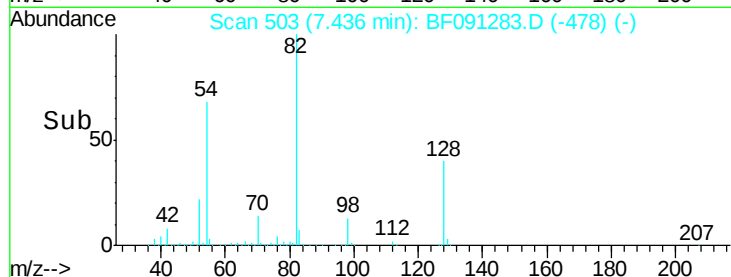
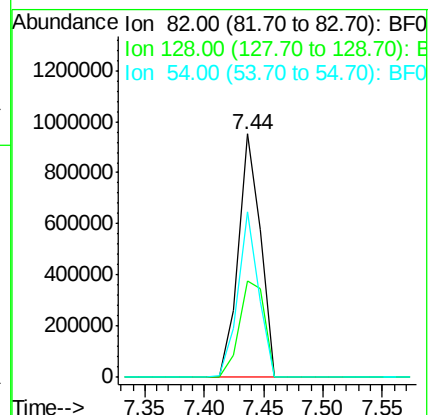
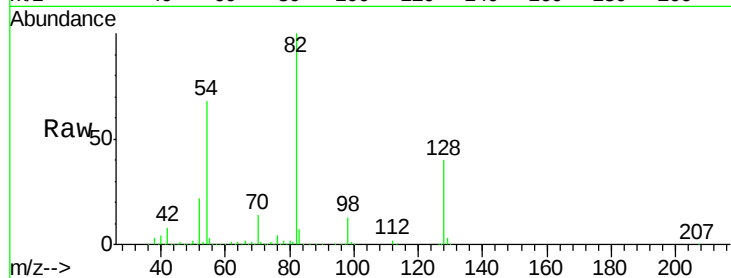
Tgt Ion: 82 Resp: 1232086

Ion Ratio Lower Upper

82 100

128 39.8 31.8 47.6

54 68.2 49.1 73.7



#25

Isophorone

Concen: 40.09 ng

RT: 7.44 min Scan# 503

Delta R.T. -0.27 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

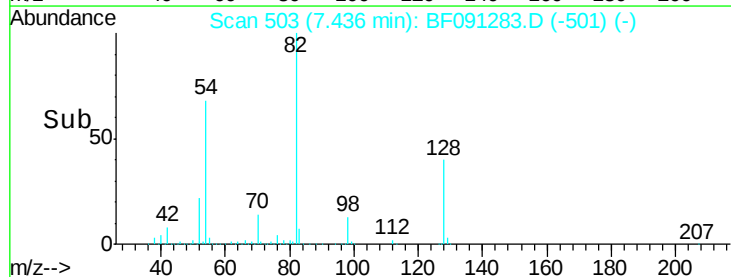
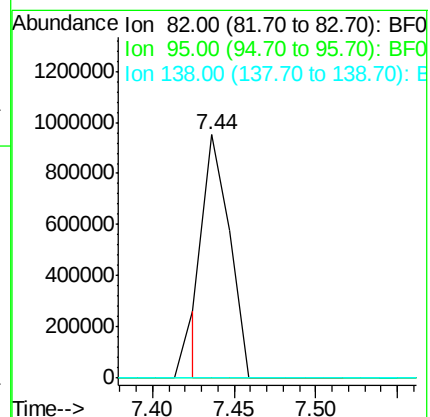
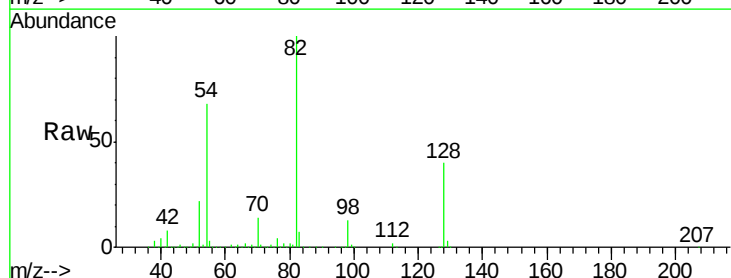
Tgt Ion: 82 Resp: 1051592

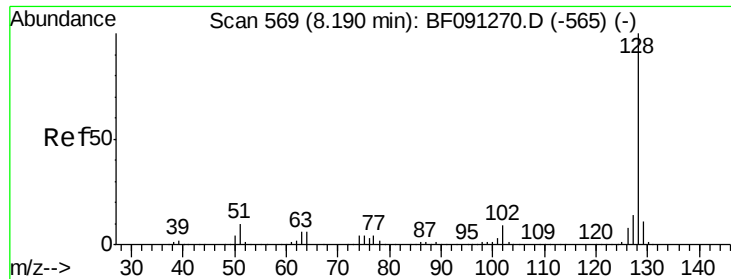
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.4 20.0#

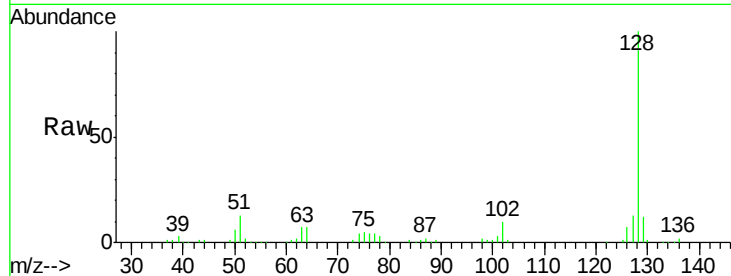




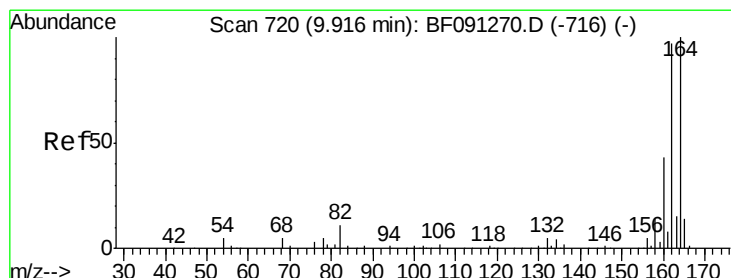
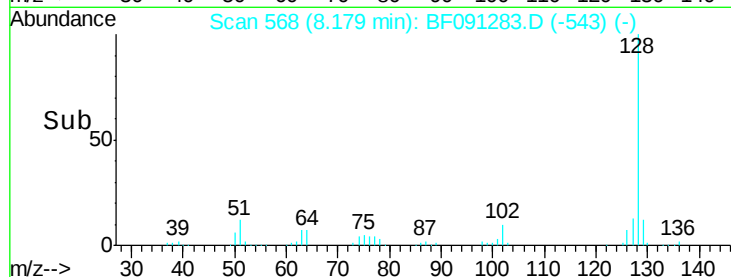
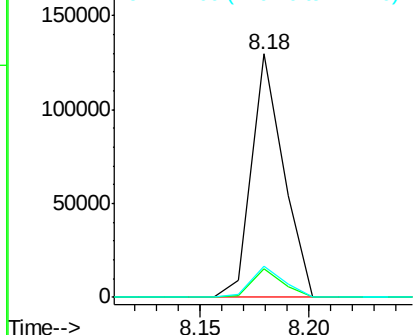
#31
Naphthalene
Concen: 3.41 ng
RT: 8.18 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF091283.D
Acq: 23 Nov 2016 19:07

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Tgt Ion:128 Resp: 132707
Ion Ratio Lower Upper
128 100
129 11.7 9.1 13.7
127 12.8 11.0 16.4

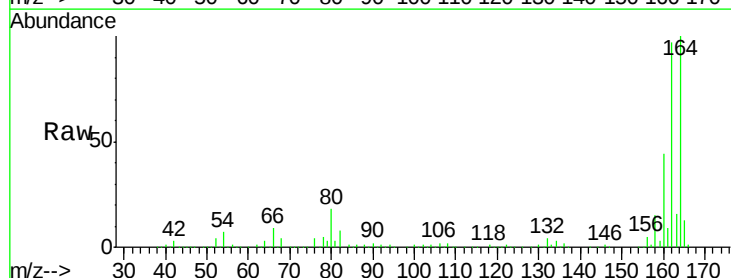


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

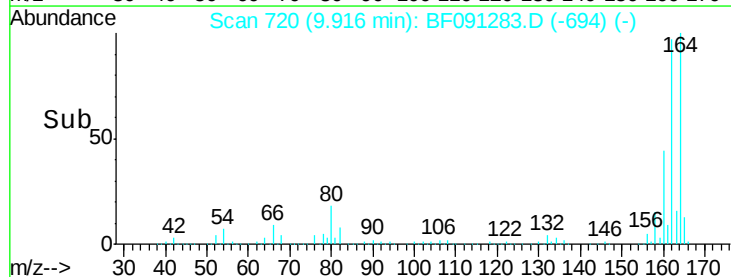
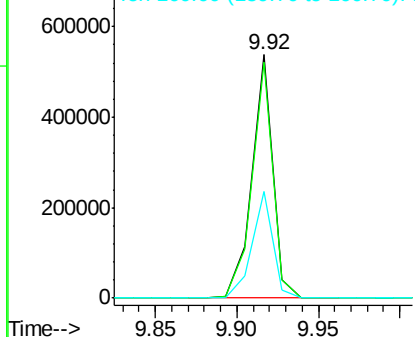


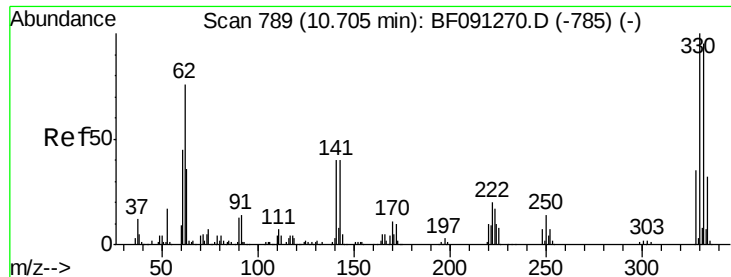
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF091283.D
Acq: 23 Nov 2016 19:07

Tgt Ion:164 Resp: 478121
Ion Ratio Lower Upper
164 100
162 97.1 82.6 124.0
160 43.8 36.7 55.1



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

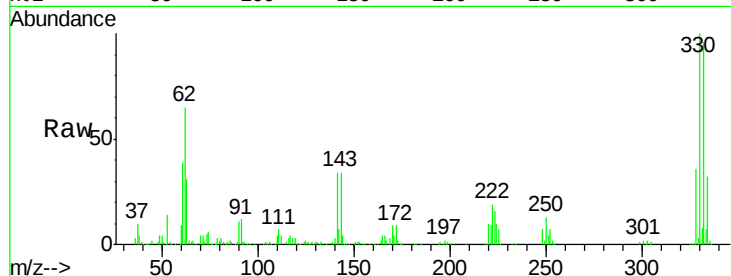




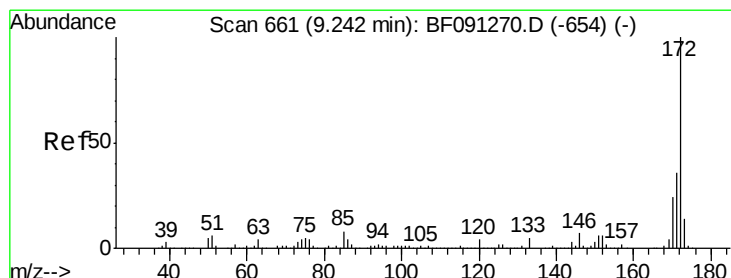
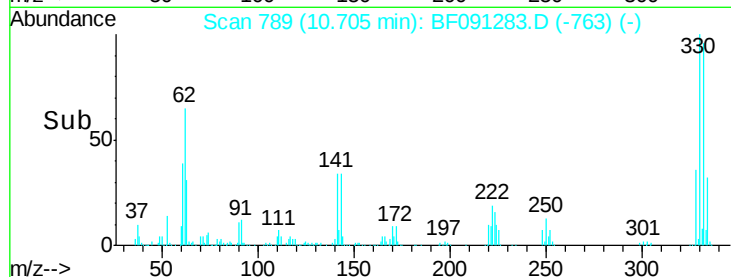
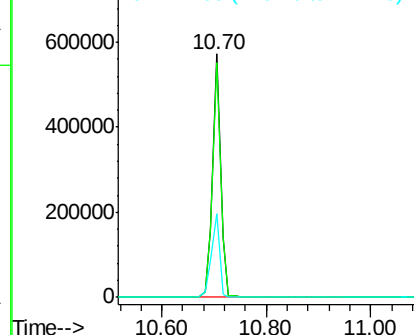
#41
 2,4,6-Tribromophenol
 Concen: 129.28 ng
 RT: 10.70 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF091283.D
 Acq: 23 Nov 2016 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.2	114.4
141	33.6	33.6	50.4#

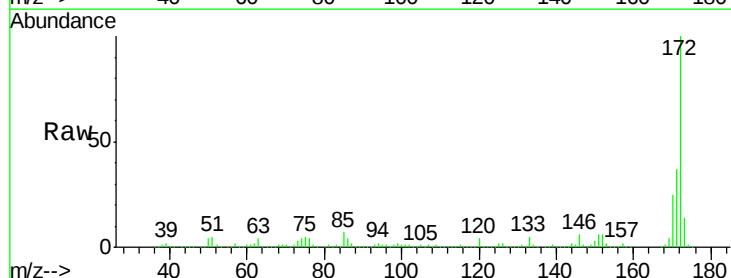


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

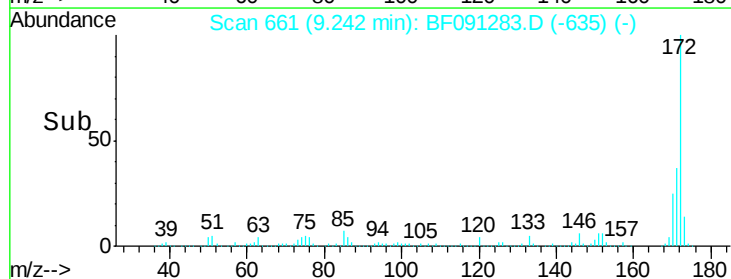
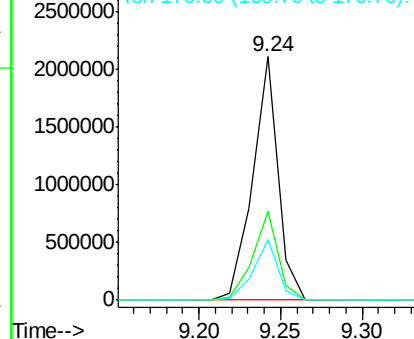


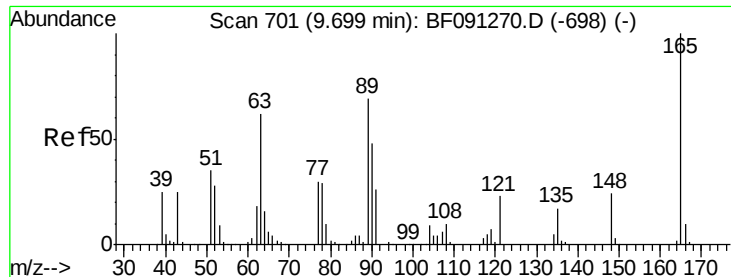
#44
 2-Fluorobiphenyl
 Concen: 78.01 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091283.D
 Acq: 23 Nov 2016 19:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.8	19.7	29.5



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

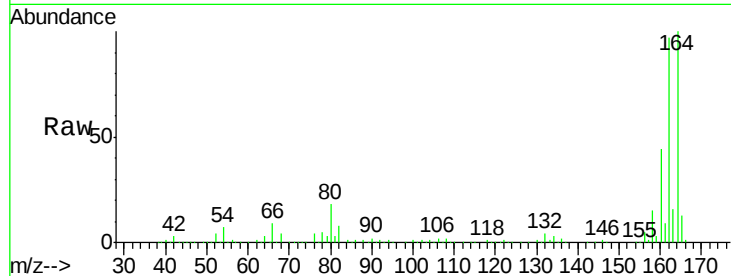




#50
 2,6-Dinitrotoluene
 Concen: 9.80 ng
 RT: 9.92 min Scan# 720
 Delta R.T. 0.22 min
 Lab File: BF091283.D
 Acq: 23 Nov 2016 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

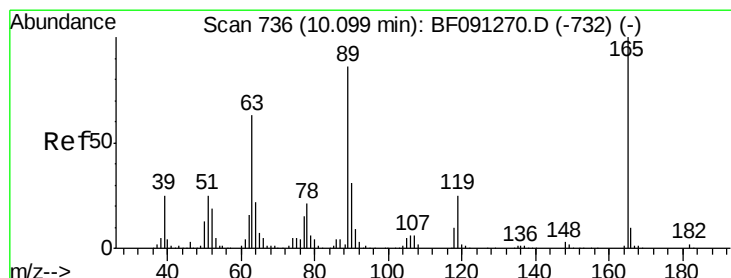
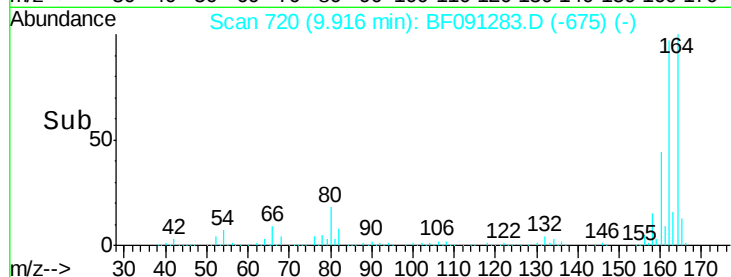
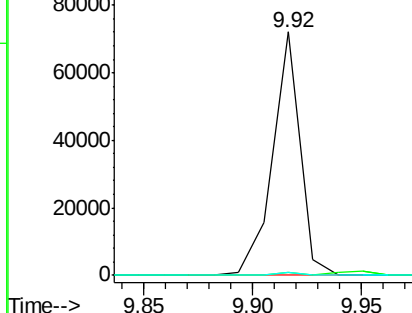
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	59.4	89.0#
89	1.1	50.8	76.2#



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: 7.74 ng
 RT: 9.92 min Scan# 720
 Delta R.T. -0.18 min
 Lab File: BF091283.D
 Acq: 23 Nov 2016 19:07

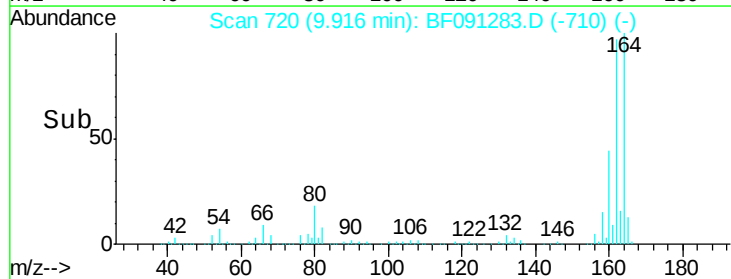
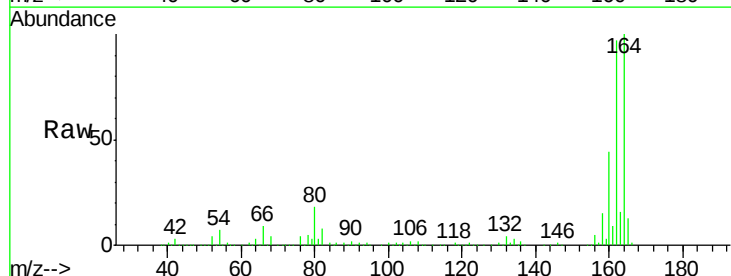
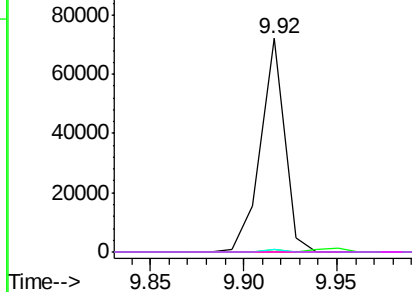
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.0	43.4#
89	1.1	43.1	64.7#
182	0.0	1.9	2.9#

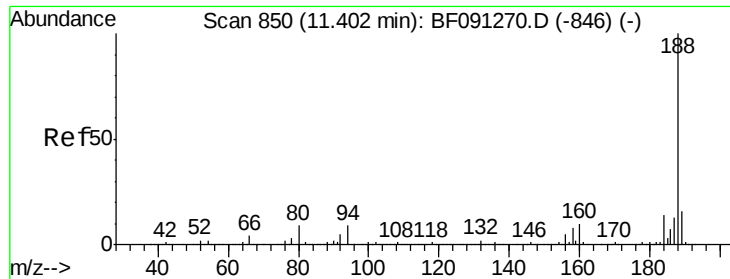
Abundance Ion 165.00 (164.70 to 165.70): E

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

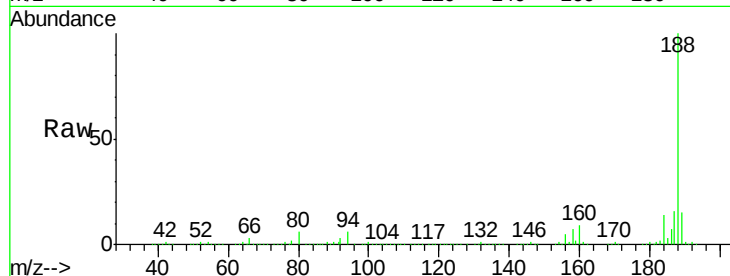




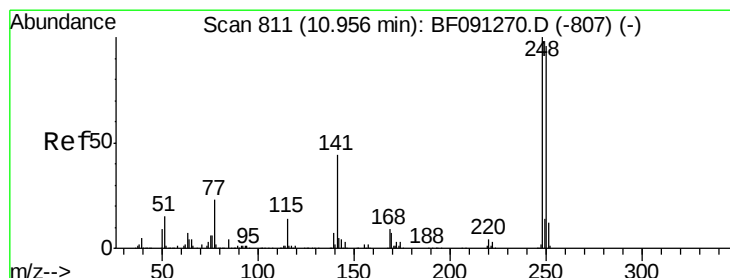
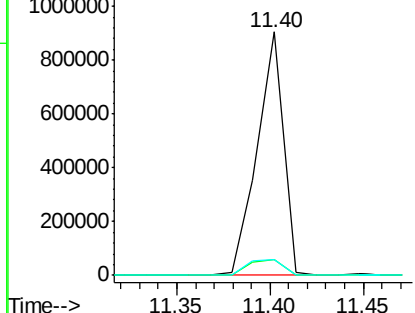
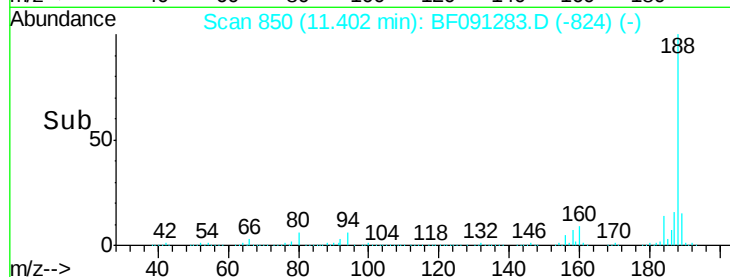
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: BF091283.D
 Acq: 23 Nov 2016 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tgt Ion:188 Resp: 882149
 Ion Ratio Lower Upper
 188 100
 94 6.4 9.2 13.8#
 80 6.3 10.5 15.7#

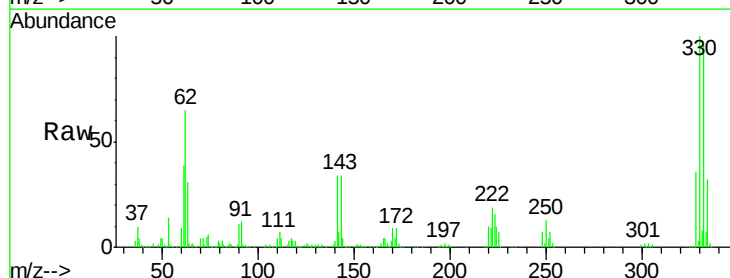


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

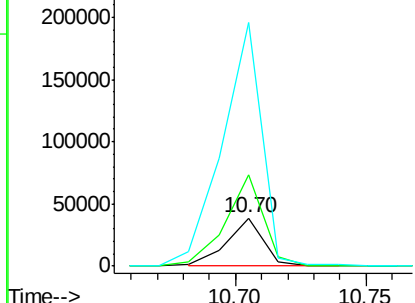
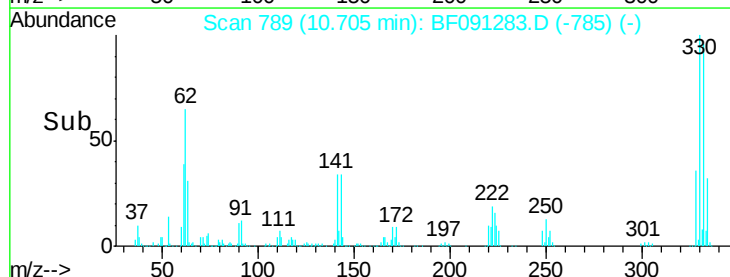


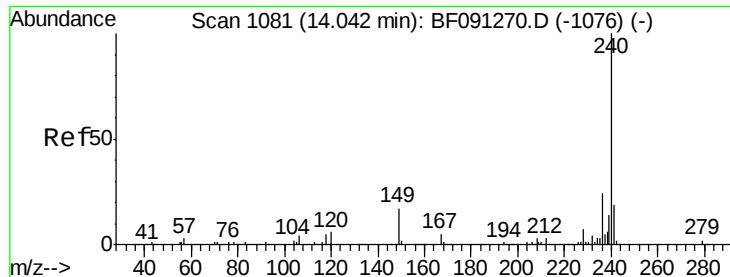
#66
 4-Bromophenyl-phenylether
 Concen: 3.93 ng
 RT: 10.70 min Scan# 789
 Delta R.T. -0.25 min
 Lab File: BF091283.D
 Acq: 23 Nov 2016 19:07

Tgt Ion:248 Resp: 37859
 Ion Ratio Lower Upper
 248 100
 250 188.7 78.2 117.4#
 141 503.1 71.9 107.9#



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: 14.03 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

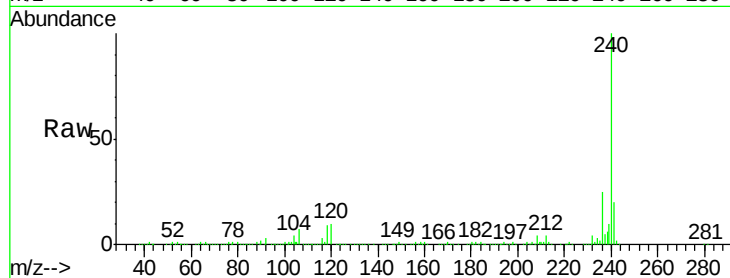
Tgt Ion:240 Resp: 799579

Ion Ratio Lower Upper

240 100

120 10.0 12.1 18.1#

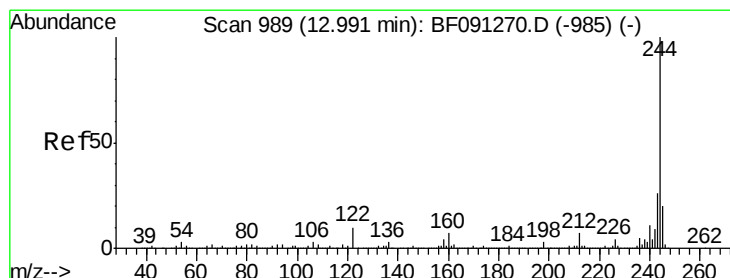
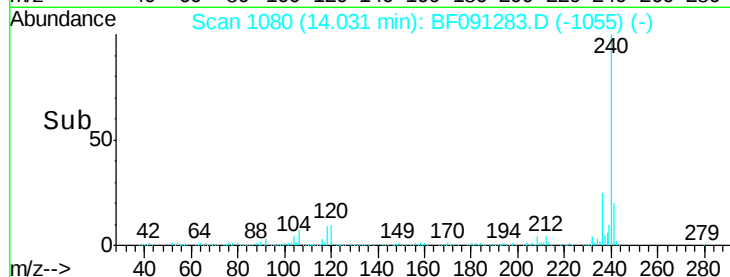
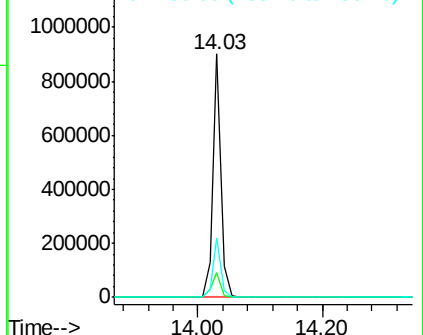
236 24.6 21.0 31.6



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: 66.48 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF091283.D

Acq: 23 Nov 2016 19:07

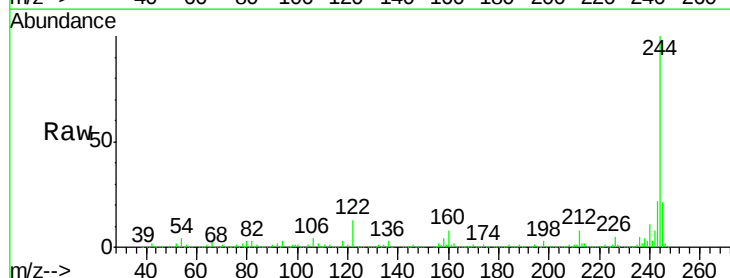
Tgt Ion:244 Resp: 2327567

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

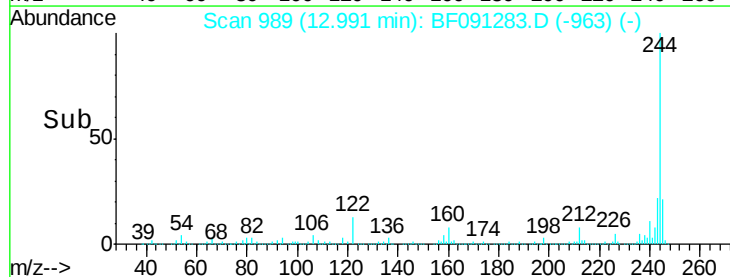
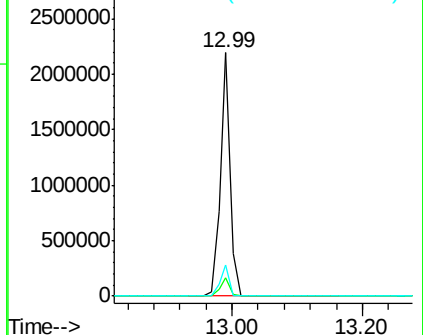
122 12.6 9.5 14.3

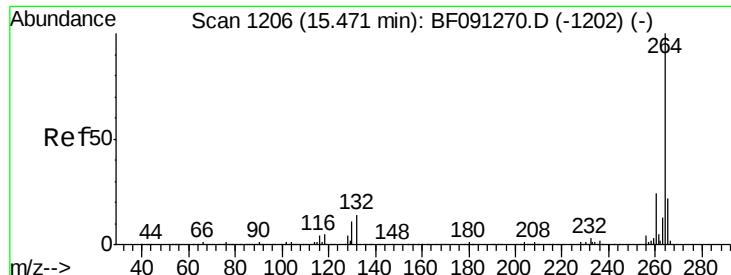


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

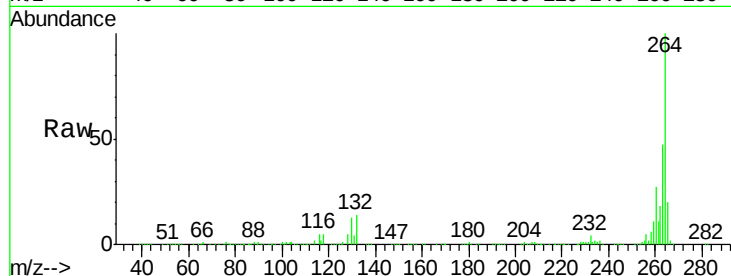




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF091283.D
Acq: 23 Nov 2016 19:07

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.9	18.8	28.2
265	20.4	17.0	25.6



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

