

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
 Data File : BF080643.D
 Acq On : 24 Jul 2015 23:45
 Operator : TP/UM
 Sample : G3070-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Jul 25 05:15:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 25 04:28:42 2015
 Response via : Initial Calibration

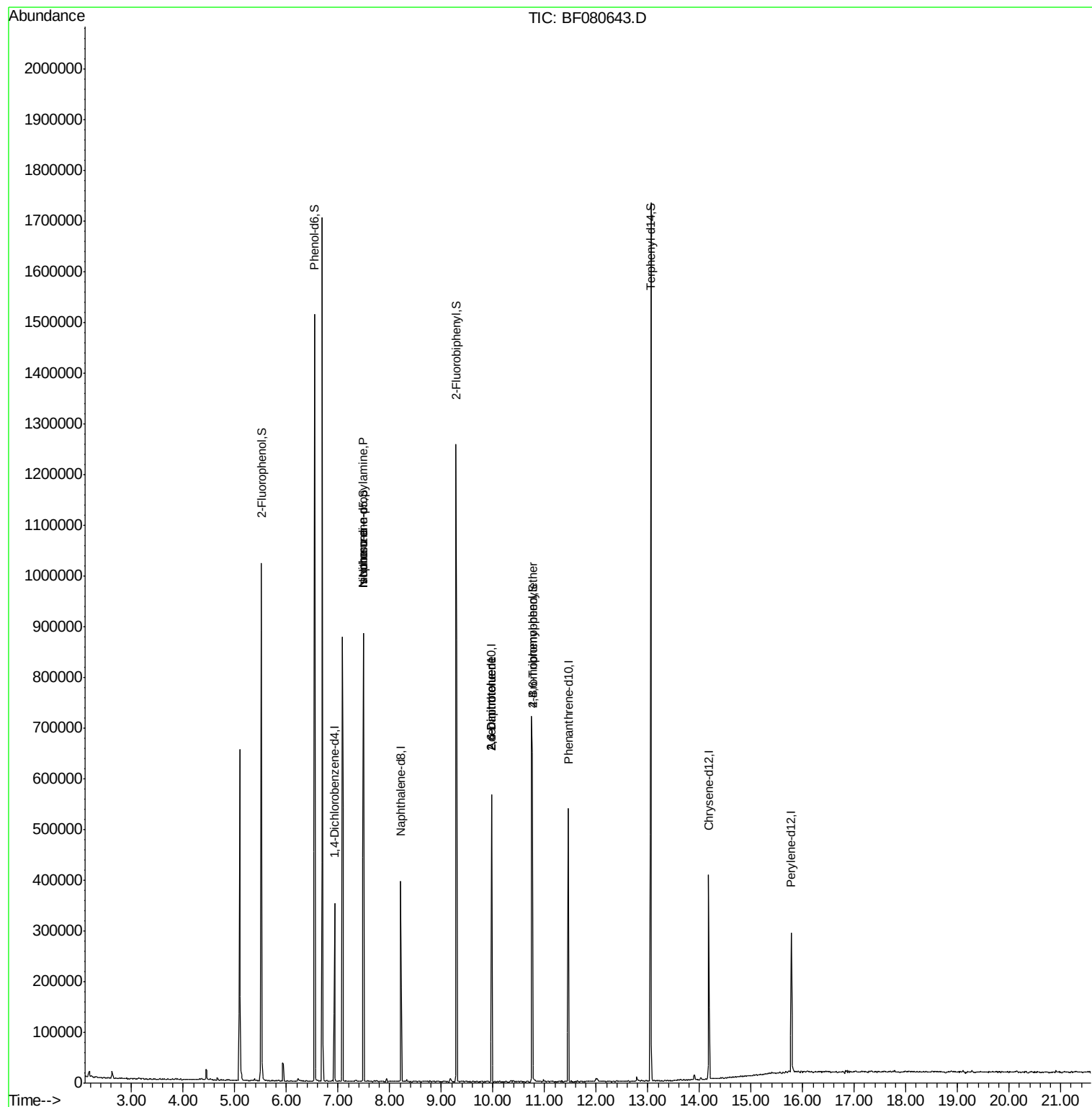
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	52959	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	186228	20.00	ng	0.00
38) Acenaphthene-d10	9.97	164	102454	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	182116	20.00	ng	0.00
75) Chrysene-d12	14.18	240	148467	20.00	ng	0.02
86) Perylene-d12	15.78	264	125097	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	355138	112.92	ng	0.01
7) Phenol-d6	6.54	99	444378	118.29	ng	0.00
23) Nitrobenzene-d5	7.49	82	300592	81.06	ng	0.00
41) 2,4,6-Tribromophenol	10.76	330	107022	116.27	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	484663	72.99	ng	-0.01
78) Terphenyl-d14	13.06	244	537741	77.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.49	70	42356	15.62	ng	# 61
25) Isophorone	7.49	82	300296	46.18	ng	# 73
50) 2,6-Dinitrotoluene	9.97	165	11663	8.91	ng	# 1
56) 2,4-Dinitrotoluene	9.97	165	11663	6.74	ng	# 2
66) 4-Bromophenyl-phenylether	10.76	248	7721	4.50	ng	# 1

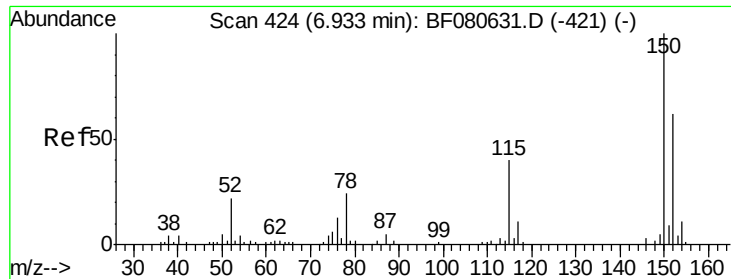
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

Instrument :

BNA_F

ClientSampleId :

SOIL-2

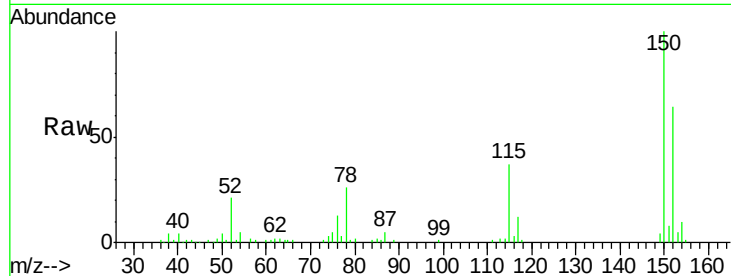
Tgt Ion:152 Resp: 52959

Ion Ratio Lower Upper

152 100

150 157.0 128.9 193.3

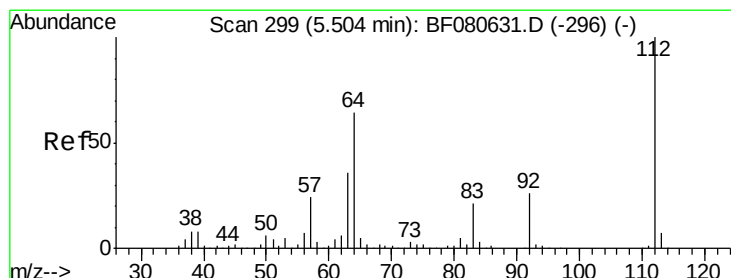
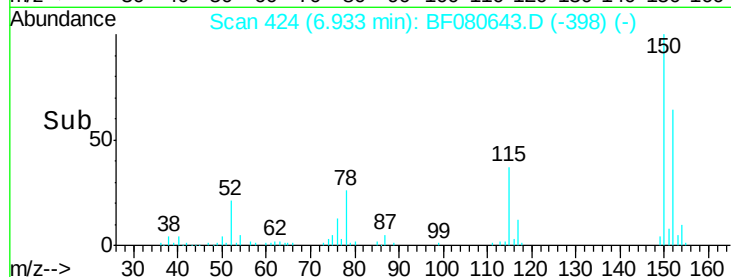
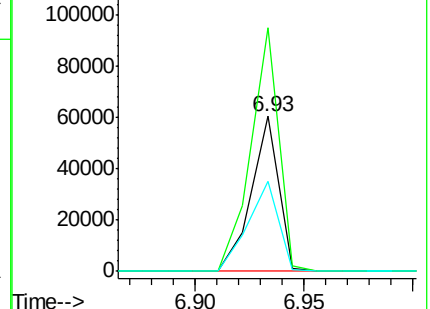
115 58.1 51.0 76.6



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: 112.92 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

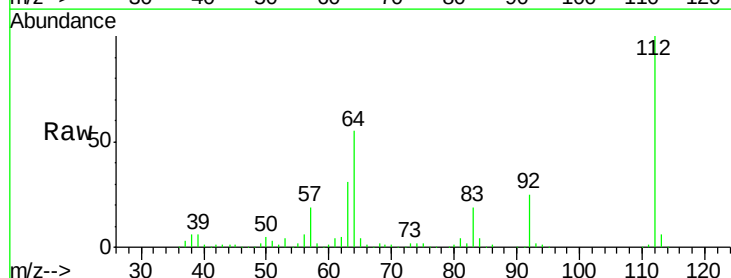
Tgt Ion:112 Resp: 355138

Ion Ratio Lower Upper

112 100

64 55.4 51.2 76.8

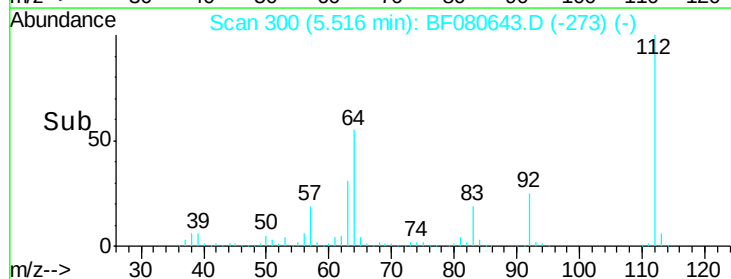
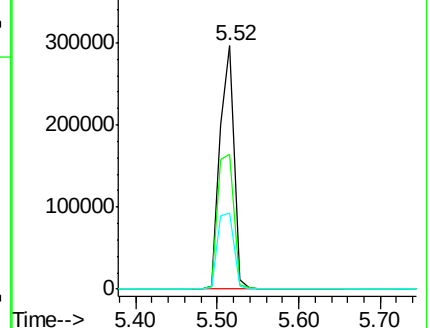
63 31.4 29.0 43.6

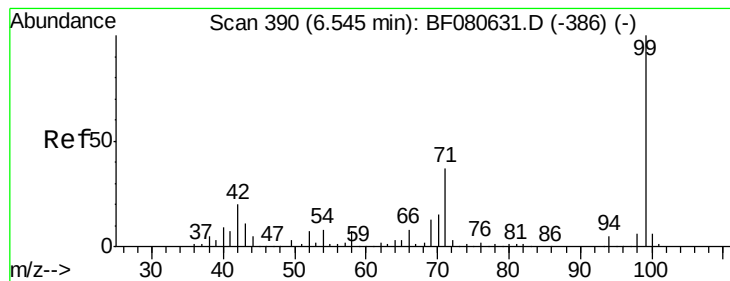


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.29 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

Instrument :

BNA_F

ClientSampleId :

SOIL-2

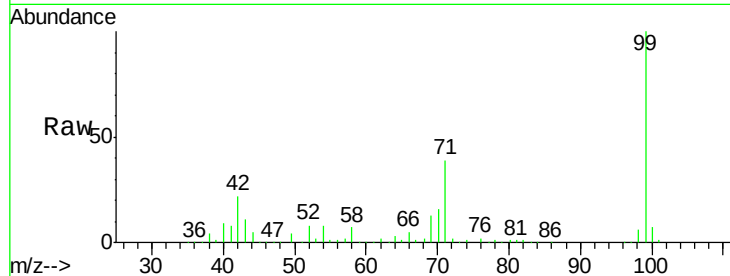
Tgt Ion: 99 Resp: 444378

Ion Ratio Lower Upper

99 100

42 21.6 16.3 24.5

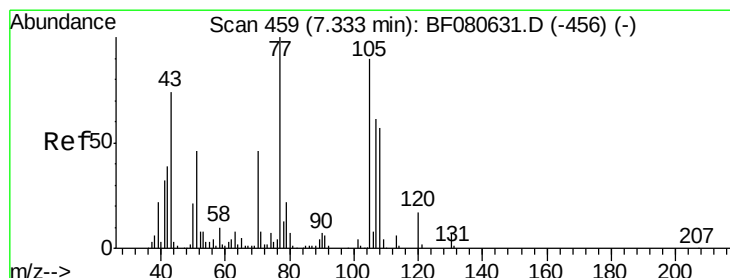
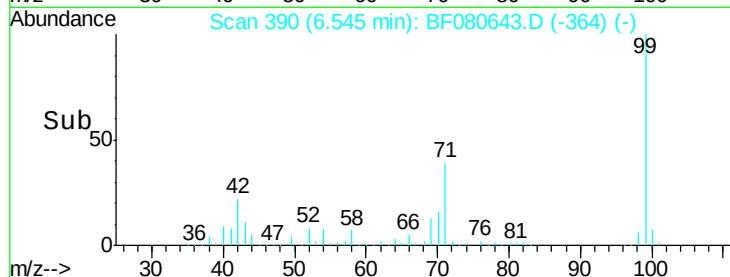
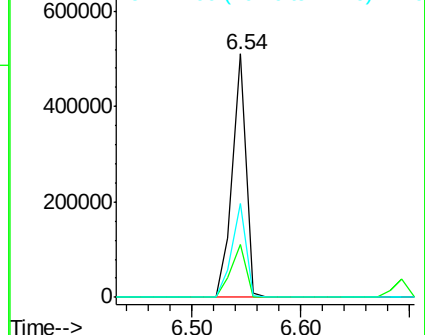
71 38.7 29.7 44.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.62 ng

RT: 7.49 min Scan# 473

Delta R.T. 0.16 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

Tgt Ion: 70 Resp: 42356

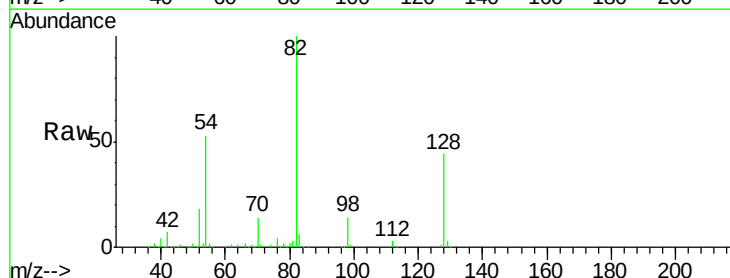
Ion Ratio Lower Upper

70 100

42 46.8 67.8 101.8#

101 0.0 6.6 9.8#

130 2.2 11.4 17.0#

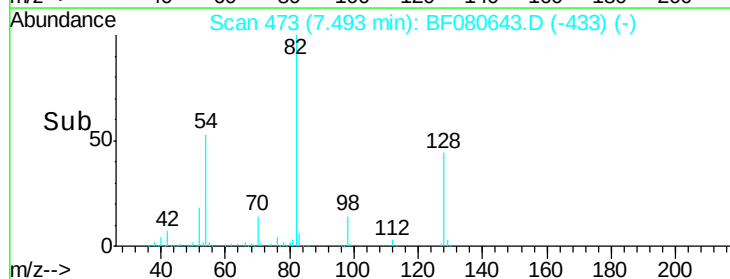
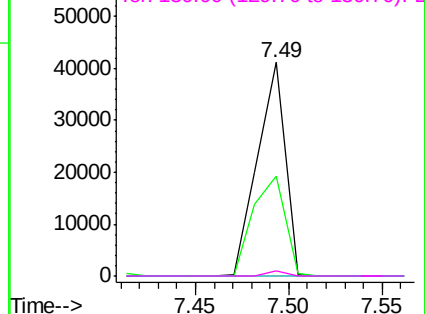


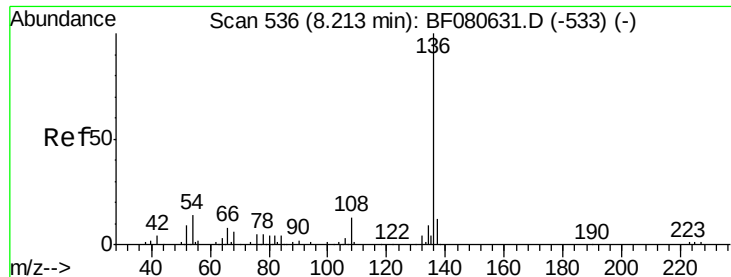
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.21 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

Instrument :

BNA_F

ClientSampleId :

SOIL-2

Tgt Ion:136 Resp: 186228

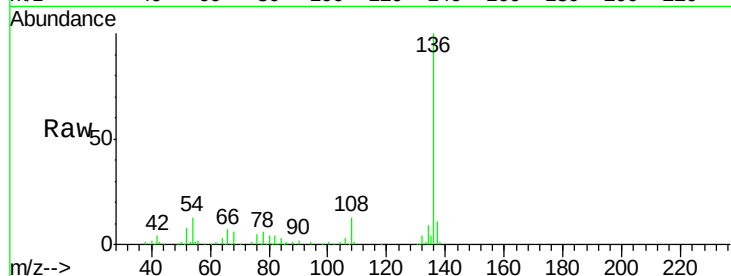
Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 12.8 11.6 17.4

68 5.9 5.0 7.4

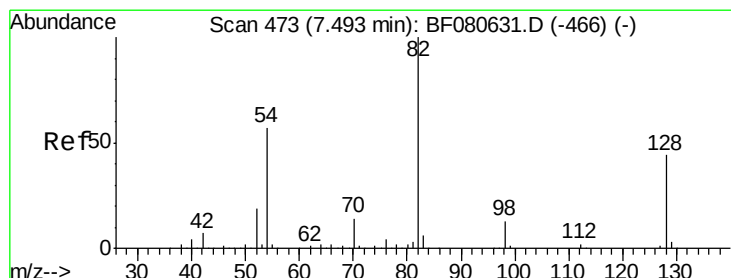
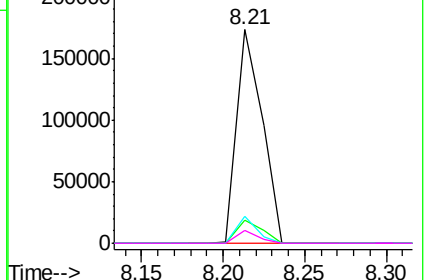
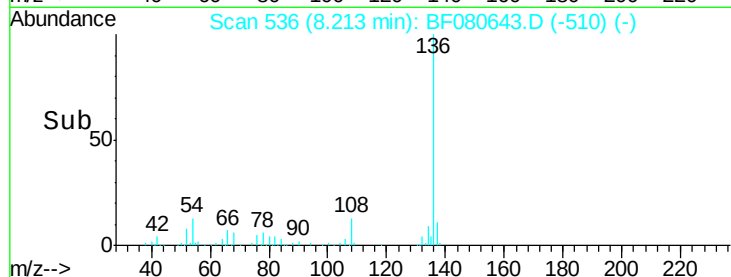


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.06 ng

RT: 7.49 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

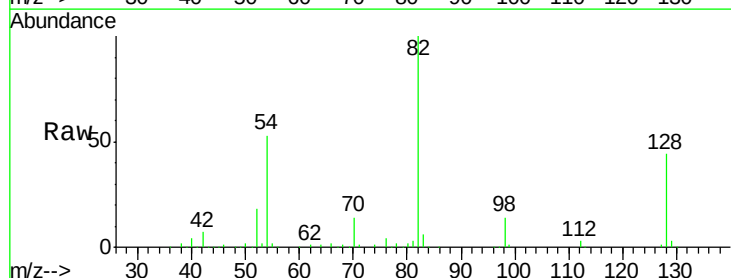
Tgt Ion: 82 Resp: 300592

Ion Ratio Lower Upper

82 100

128 44.5 34.8 52.2

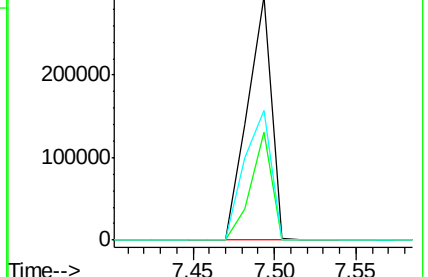
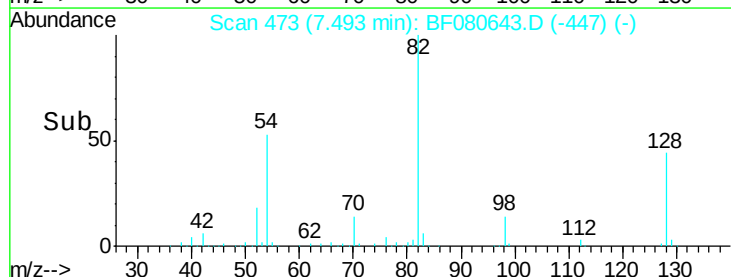
54 53.1 45.4 68.0

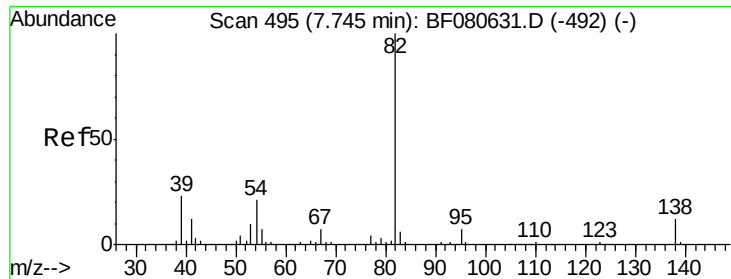


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.18 ng

RT: 7.49 min Scan# 473

Delta R.T. -0.25 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

Instrument :

BNA_F

ClientSampleId :

SOIL-2

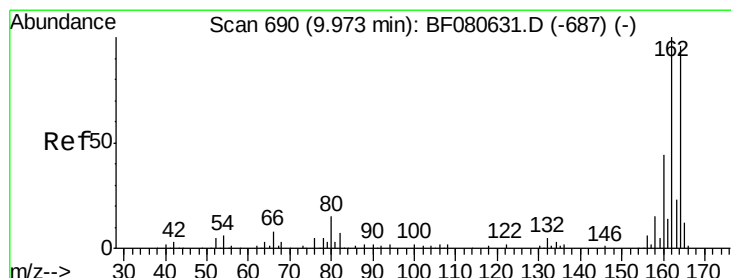
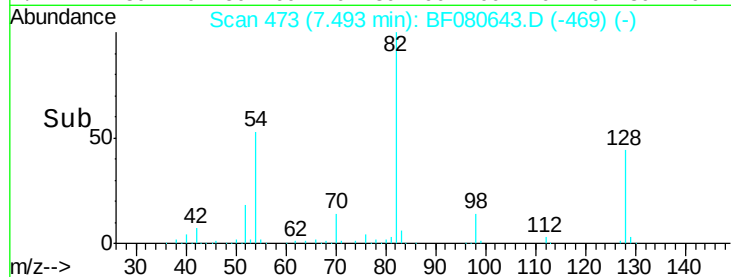
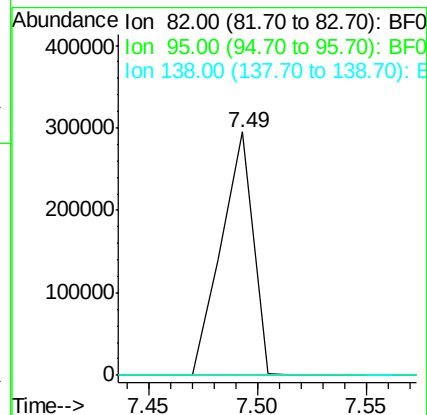
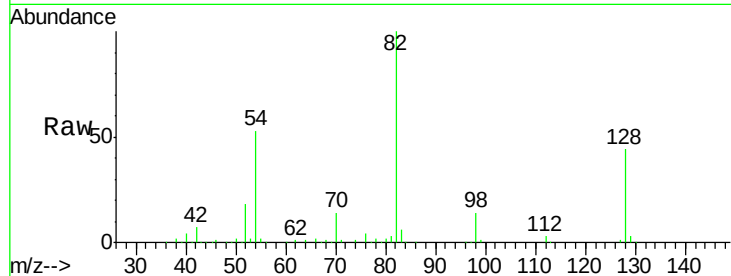
Tgt Ion: 82 Resp: 300296

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 9.7 14.5#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

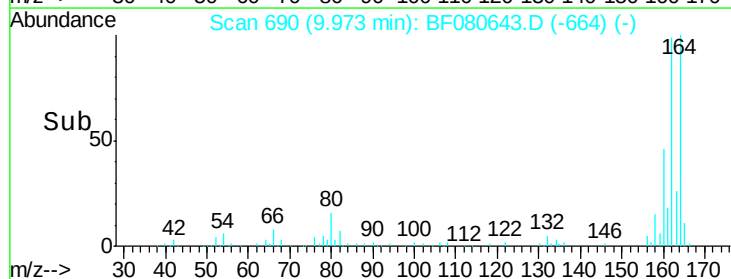
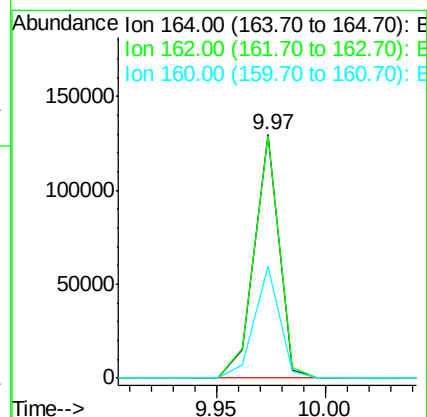
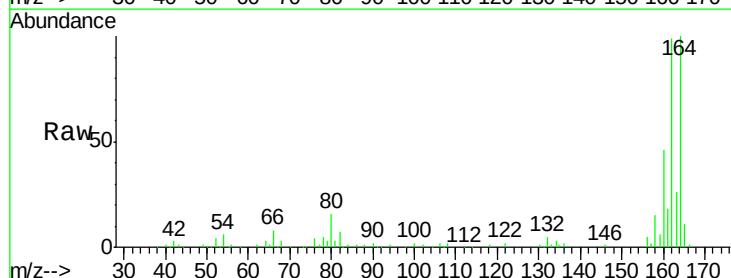
Tgt Ion: 164 Resp: 102454

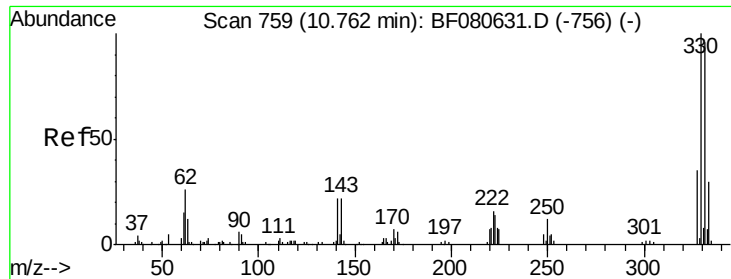
Ion Ratio Lower Upper

164 100

162 99.4 83.3 124.9

160 45.7 36.9 55.3

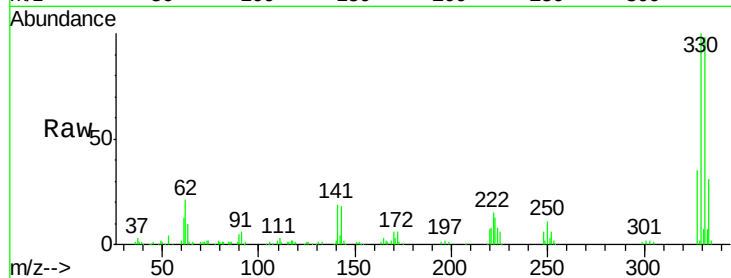




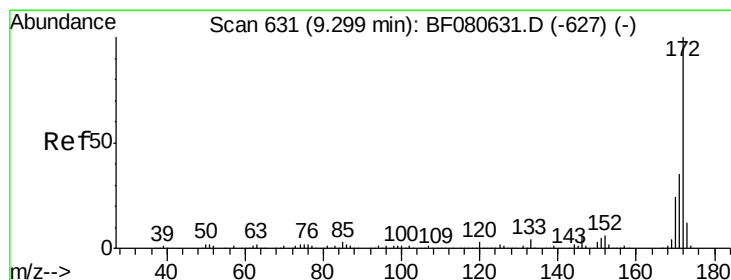
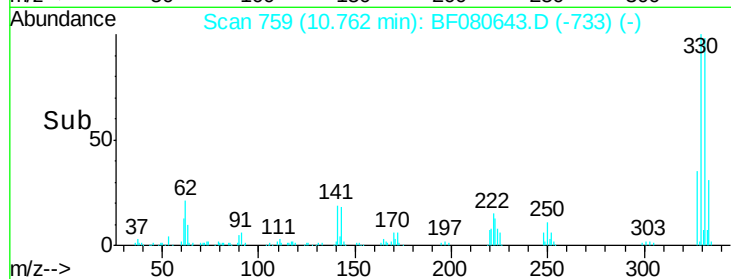
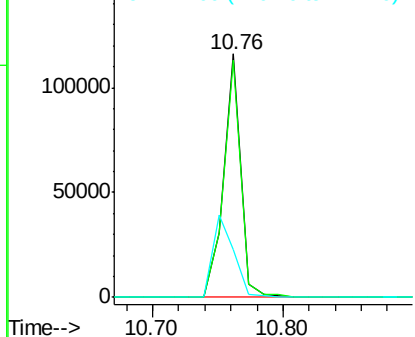
#41
 2,4,6-Tribromophenol
 Concen: 116.27 ng
 RT: 10.76 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BF080643.D
 Acq: 24 Jul 2015 23:45

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Tgt Ion:330 Resp: 107022
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.7 115.1
 141 41.5 32.7 49.1

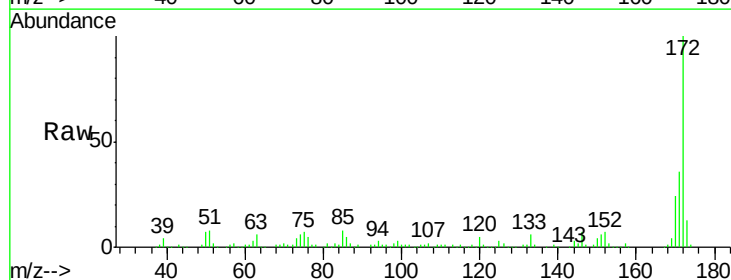


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

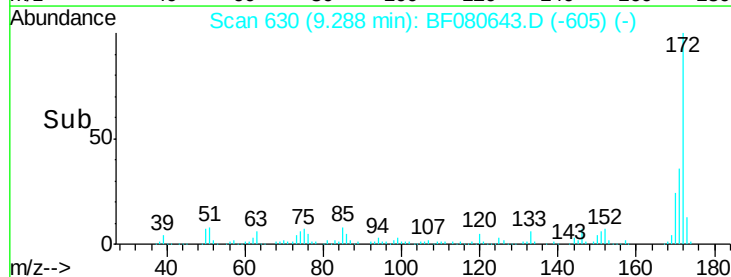
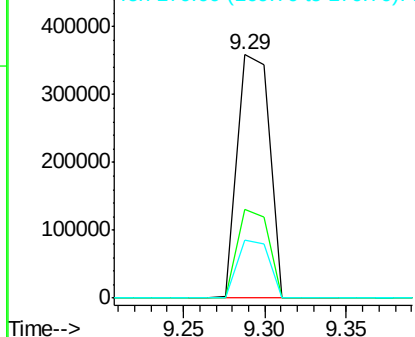


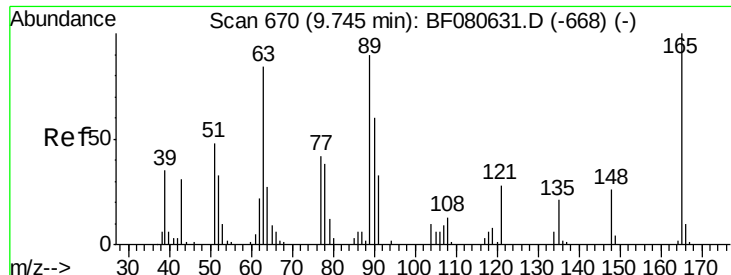
#44
 2-Fluorobiphenyl
 Concen: 72.99 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF080643.D
 Acq: 24 Jul 2015 23:45

Tgt Ion:172 Resp: 484663
 Ion Ratio Lower Upper
 172 100
 171 36.3 27.7 41.5
 170 23.9 19.0 28.4



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

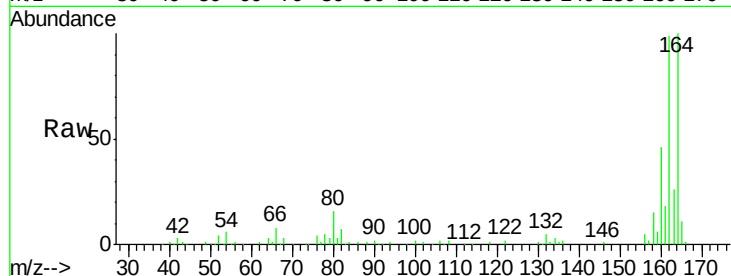




#50
 2,6-Dinitrotoluene
 Concen: 8.91 ng
 RT: 9.97 min Scan# 690
 Delta R.T. 0.23 min
 Lab File: BF080643.D
 Acq: 24 Jul 2015 23:45

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

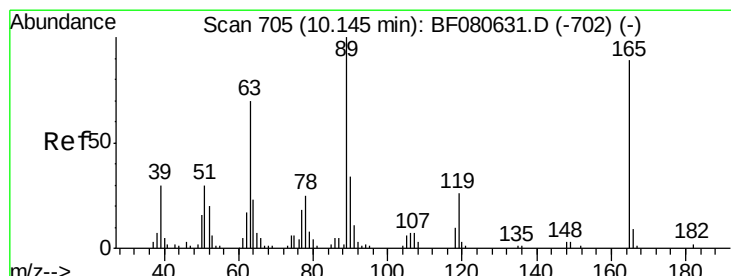
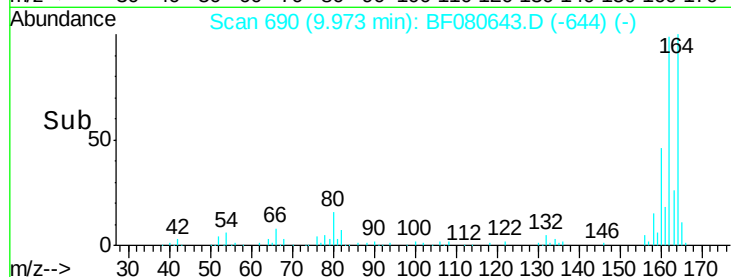
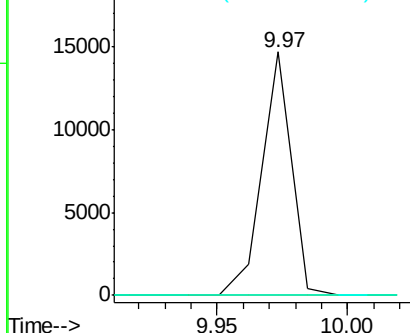
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	84.0	126.0#
89	0.0	71.7	107.5#



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: 6.74 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.17 min
 Lab File: BF080643.D
 Acq: 24 Jul 2015 23:45

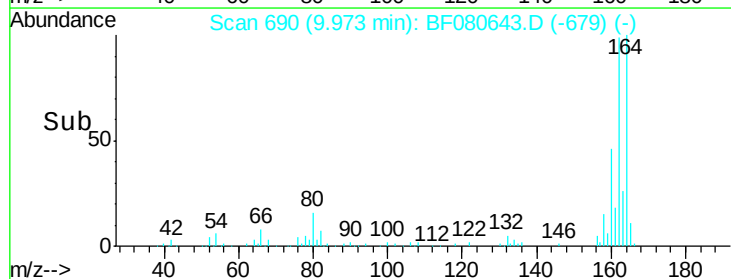
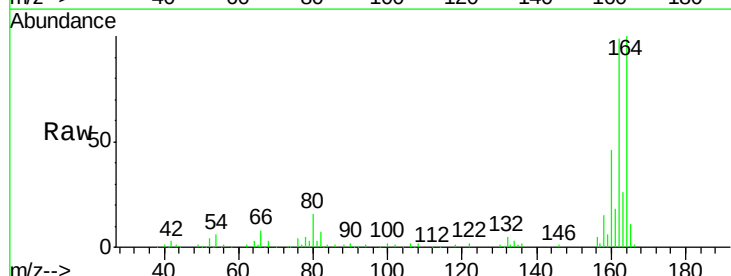
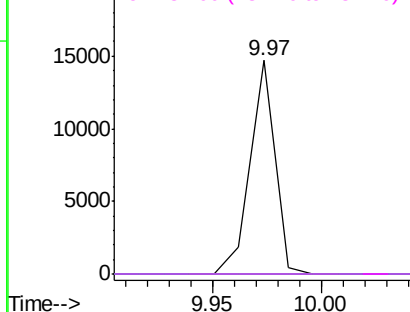
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	63.0	94.4#
89	0.0	90.2	135.2#
182	0.0	1.6	2.4#

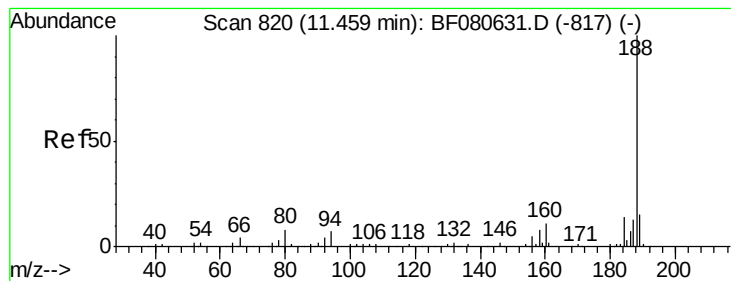
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.46 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

Instrument :

BNA_F

ClientSampleId :

SOIL-2

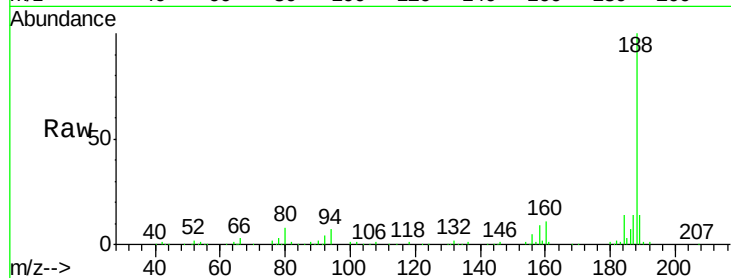
Tgt Ion:188 Resp: 182116

Ion Ratio Lower Upper

188 100

94 7.3 5.6 8.4

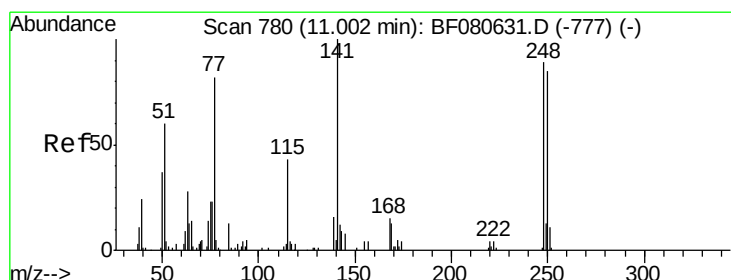
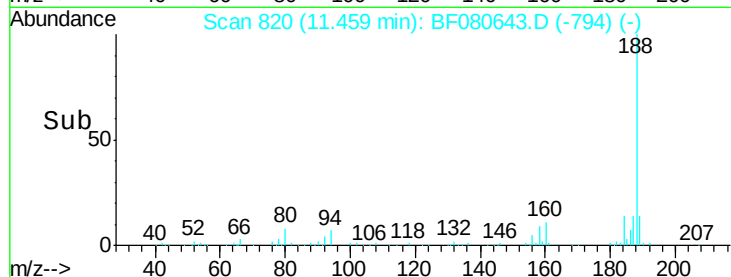
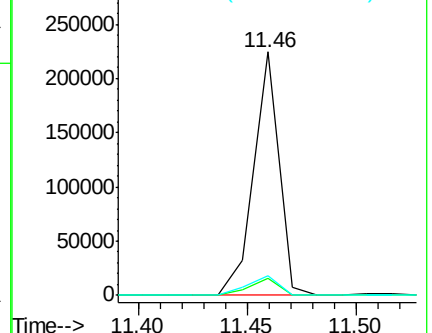
80 8.0 6.1 9.1



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: 4.50 ng

RT: 10.76 min Scan# 759

Delta R.T. -0.24 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

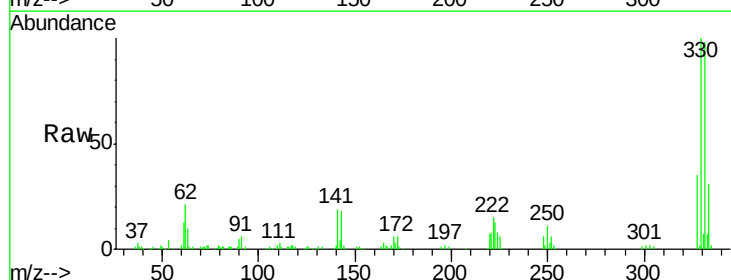
Tgt Ion:248 Resp: 7721

Ion Ratio Lower Upper

248 100

250 182.9 76.6 114.8#

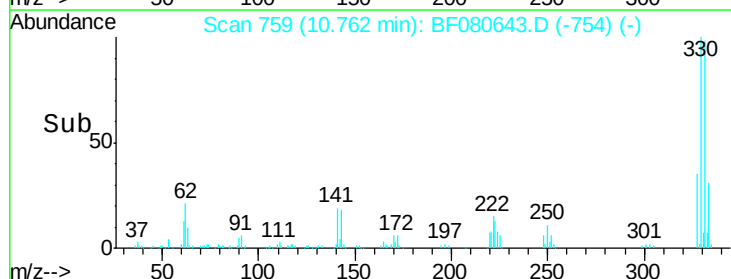
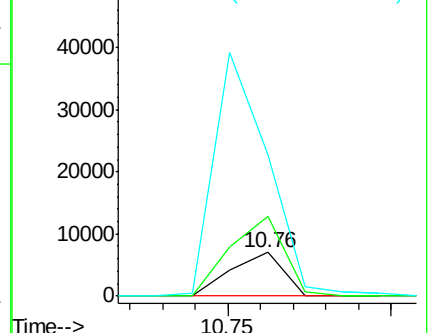
141 322.8 90.0 135.0#

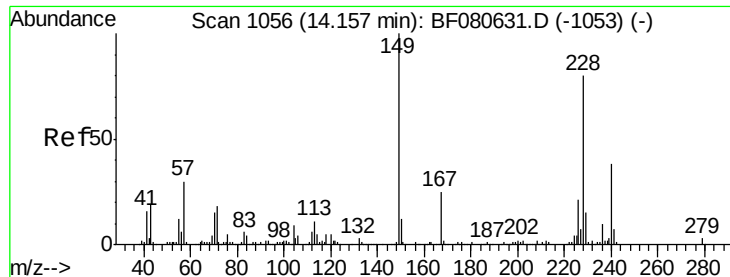


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.18 min Scan# 1058

Delta R.T. 0.02 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

Instrument :

BNA_F

ClientSampleId :

SOIL-2

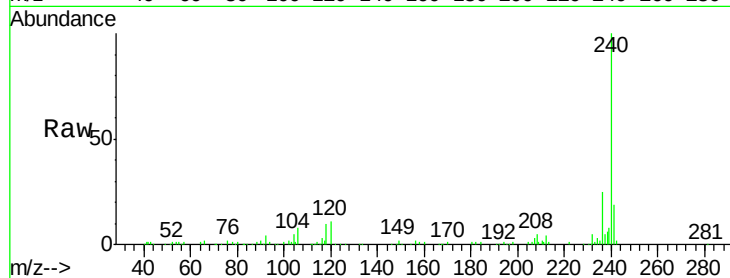
Tgt Ion:240 Resp: 148467

Ion Ratio Lower Upper

240 100

120 11.1 10.8 16.2

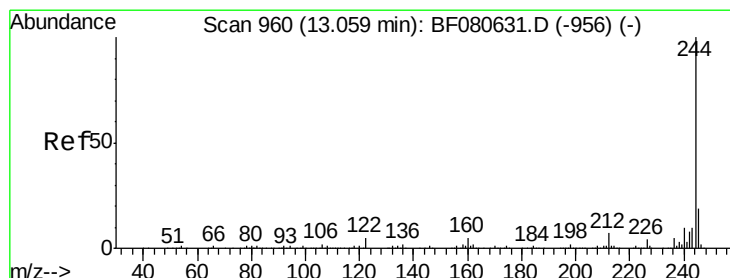
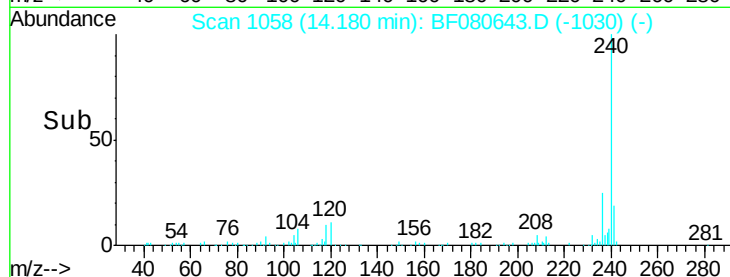
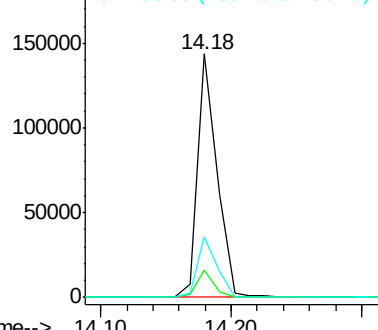
236 24.8 20.3 30.5



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: 77.99 ng

RT: 13.06 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF080643.D

Acq: 24 Jul 2015 23:45

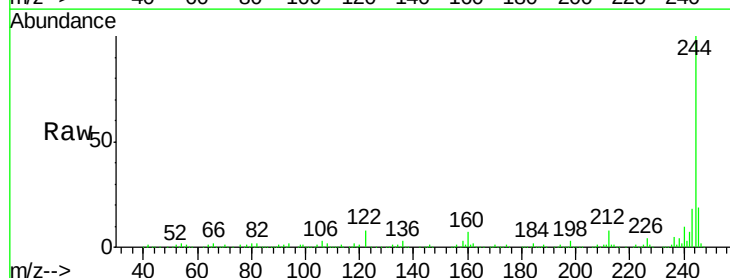
Tgt Ion:244 Resp: 537741

Ion Ratio Lower Upper

244 100

212 7.7 5.2 7.8

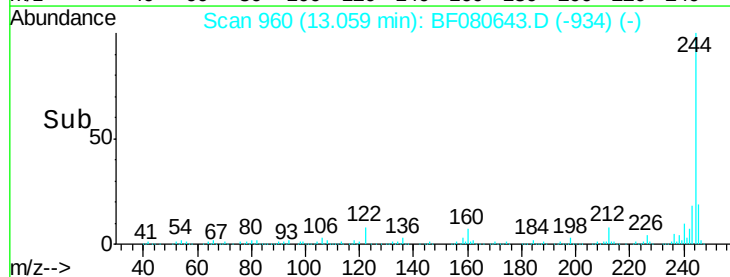
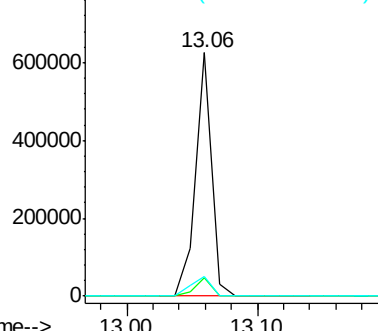
122 8.2 4.1 6.1#

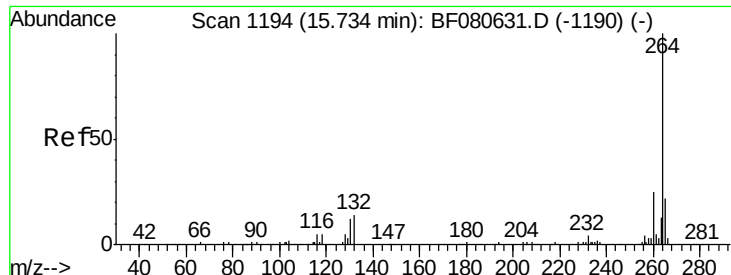


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

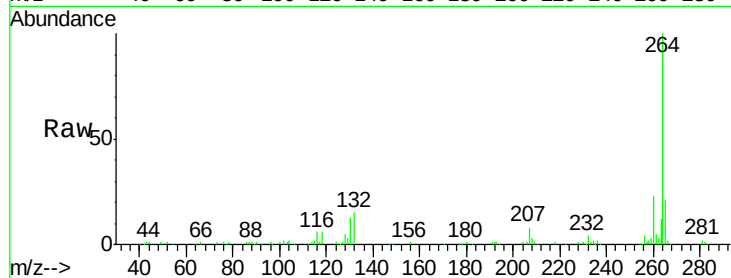




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.78 min Scan# 1198
Delta R.T. 0.05 min
Lab File: BF080643.D
Acq: 24 Jul 2015 23:45

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	20.1	30.1
265	21.5	17.4	26.0



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

