

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081015\
 Data File : BF080958.D
 Acq On : 10 Aug 2015 18:38
 Operator : TP/UM
 Sample : G3212-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Aug 11 01:12:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

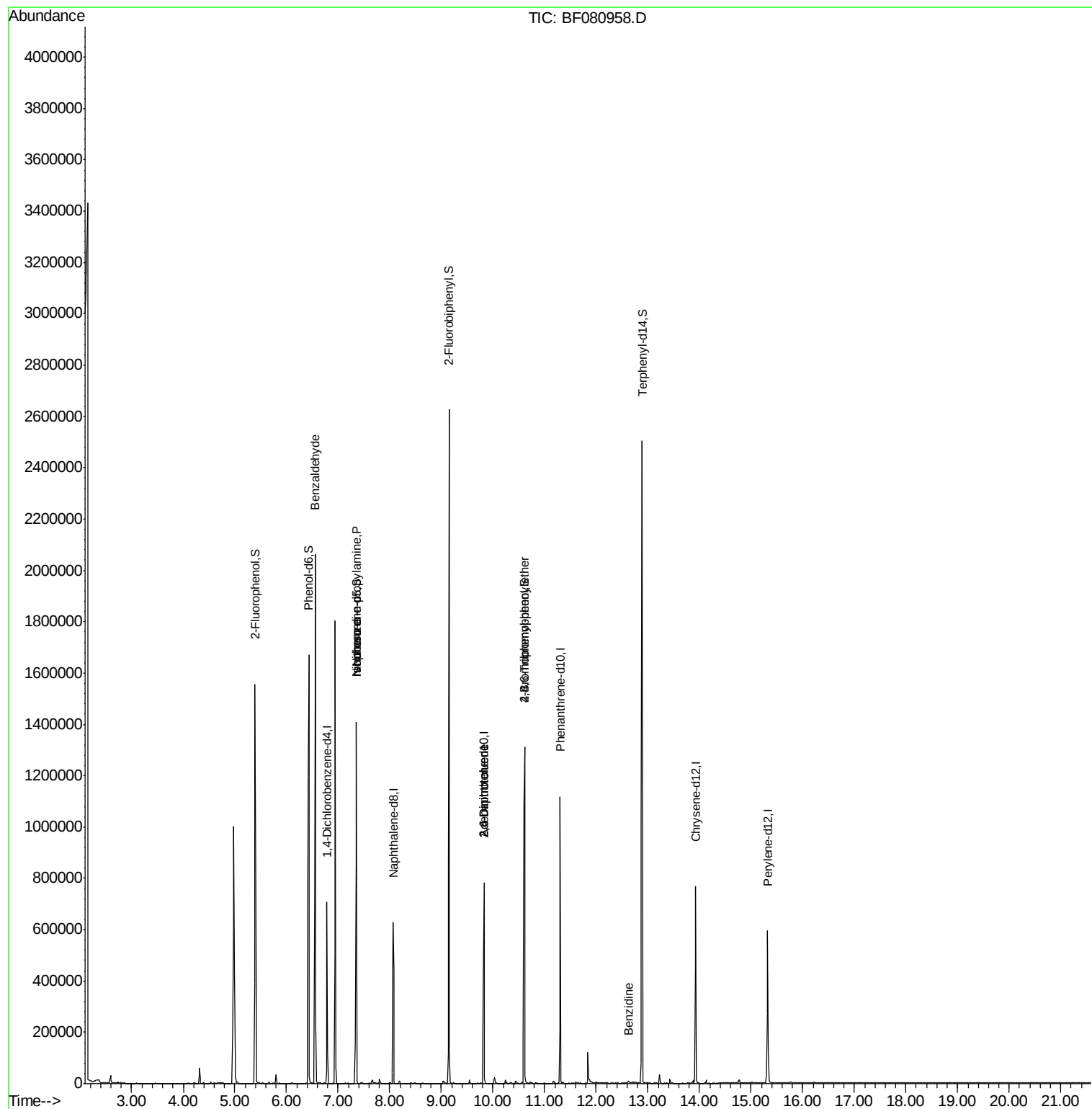
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	94224	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	362427	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	187408	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	375983	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	321880	20.00	ng	-0.03
86) Perylene-d12	15.32	264	264008	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	525061	91.05	ng	0.01
7) Phenol-d6	6.43	99	744829	94.25	ng	-0.01
23) Nitrobenzene-d5	7.36	82	562227	73.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	220278	106.99	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	812650	61.05	ng	-0.02
78) Terphenyl-d14	12.89	244	838484	53.81	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.56	77	13753	2.58	ng	Qvalue 80
19) n-Nitroso-di-n-propylamine	7.36	70	75381	13.05	ng	# 72
25) Isophorone	7.36	82	526813	35.75	ng	# 65
50) 2,6-Dinitrotoluene	9.82	165	23744	7.38	ng	# 7
56) 2,4-Dinitrotoluene	9.82	165	23744	5.52	ng	# 9
66) 4-Bromophenyl-phenylether	10.61	248	14657	3.68	ng	# 1
76) Benzydine	12.62	184	1193	2.33	ng	# 69

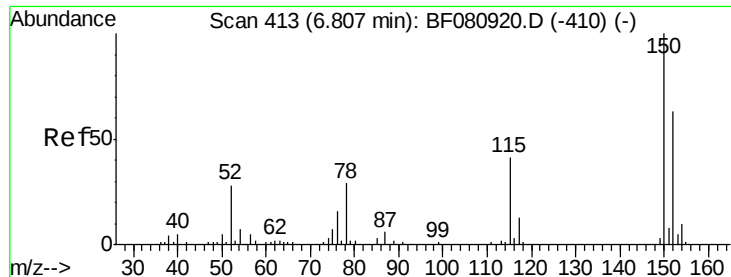
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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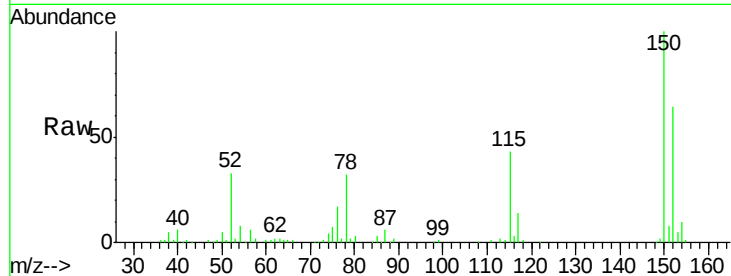


#1

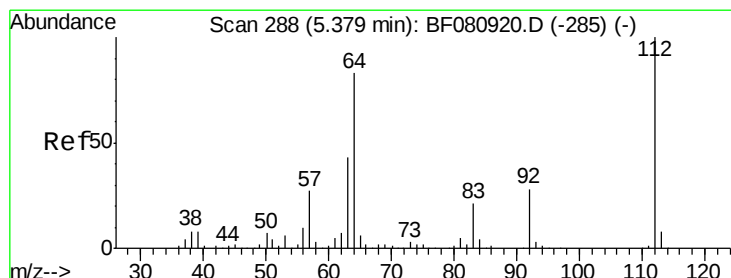
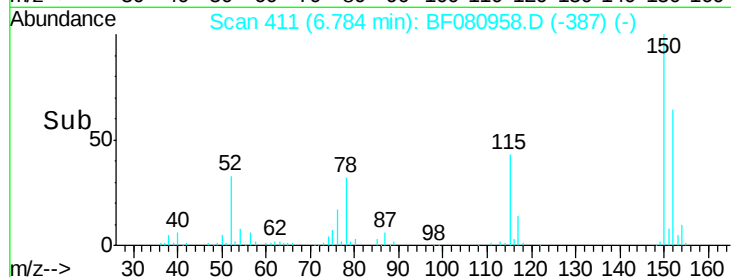
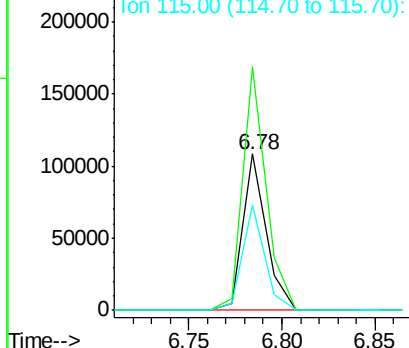
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.02 min
Lab File: BF080958.D
Acq: 10 Aug 2015 18:38

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tot Ion:152 Resp: 94224
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 67.2 52.6 78.8



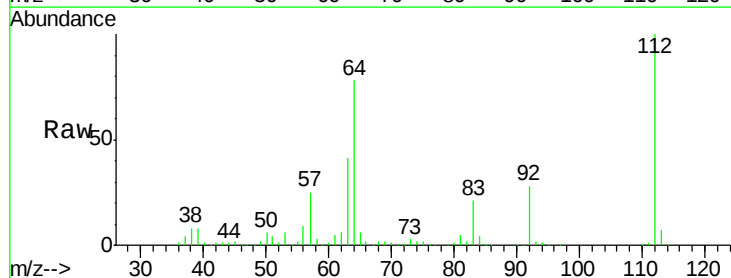
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



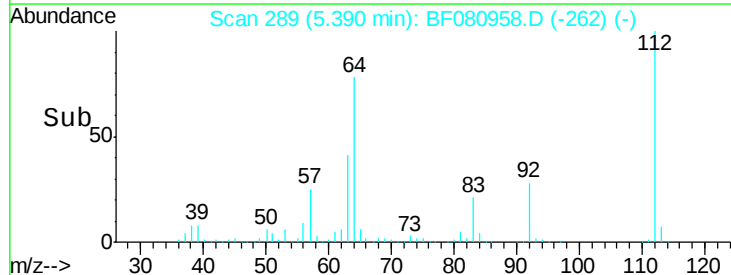
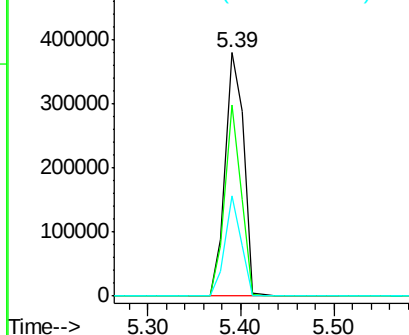
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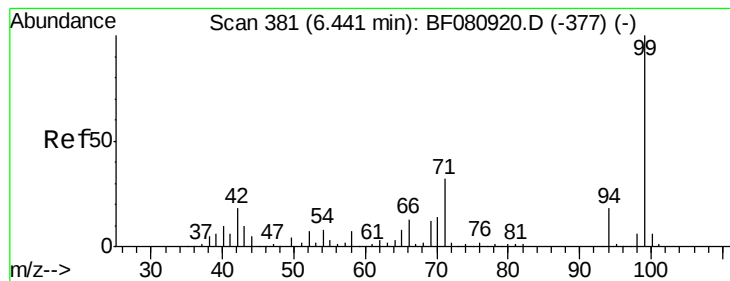
2-Fluorophenol
Concen: 91.05 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF080958.D
Acq: 10 Aug 2015 18:38

Tgt Ion:112 Resp: 525061
Ion Ratio Lower Upper
112 100
64 78.3 66.1 99.1
63 41.2 34.6 52.0



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: 94.25 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

Instrument :

BNA_F

ClientSampleId :

SOIL-2

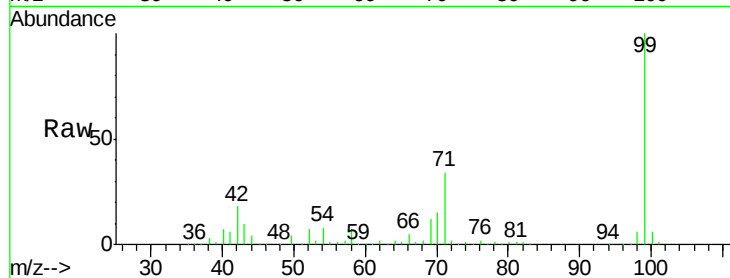
Tot Ion: 99 Resp: 744829

Ion Ratio Lower Upper

99 100

42 18.4 14.4 21.6

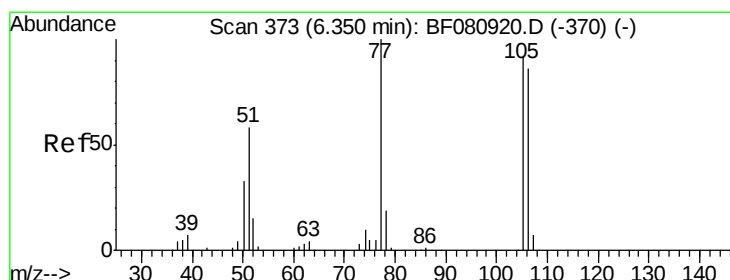
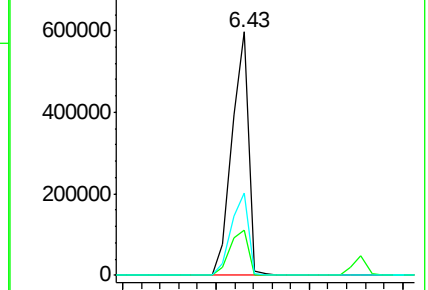
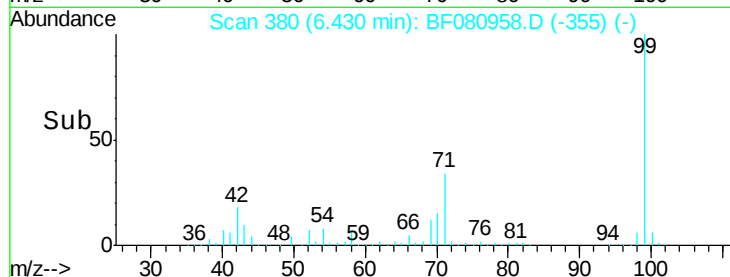
71 33.7 25.8 38.8



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: 2.58 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.21 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

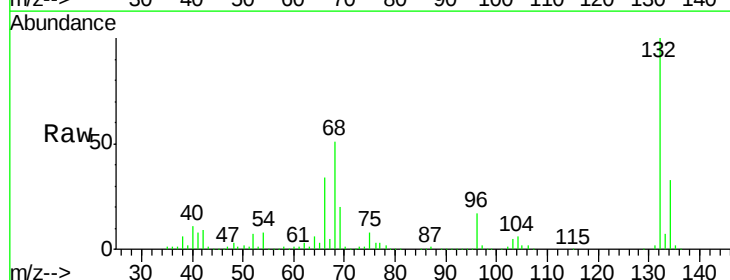
Tgt Ion: 77 Resp: 13753

Ion Ratio Lower Upper

77 100

105 73.0 71.6 111.6

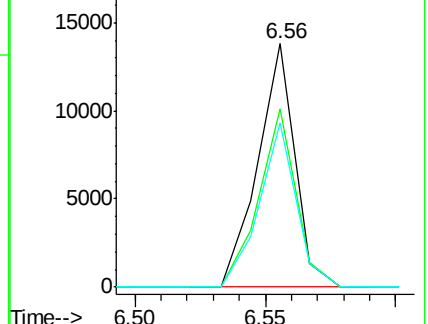
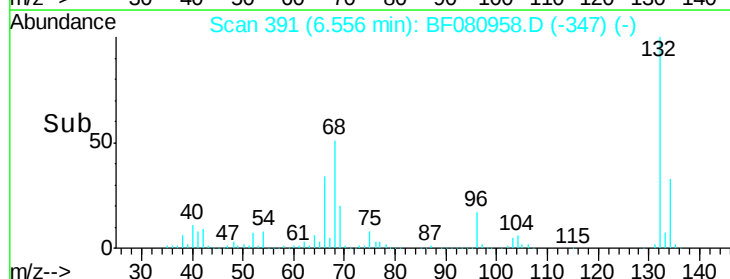
106 67.6 65.7 105.7

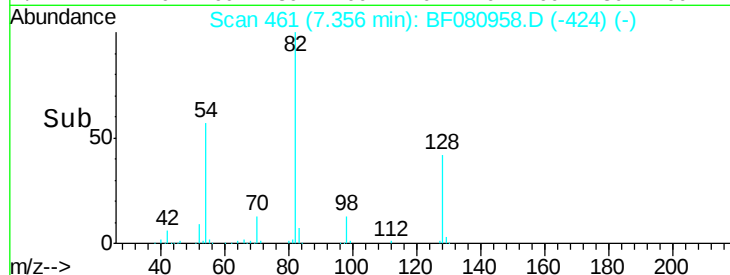
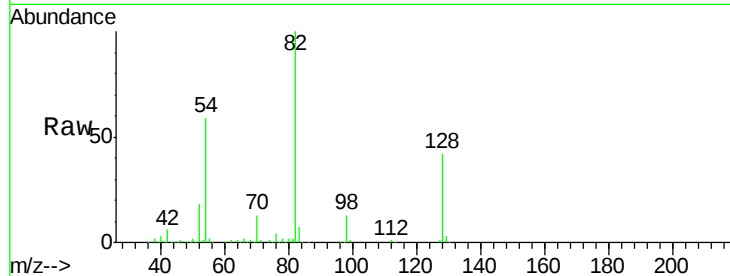
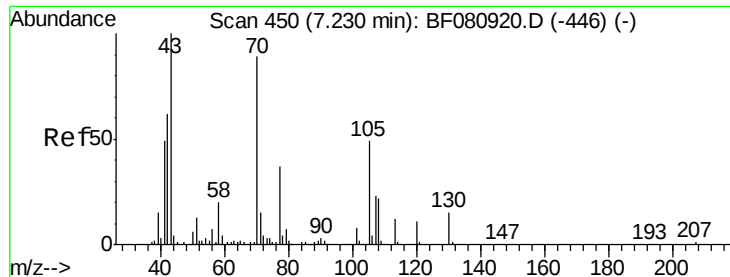


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

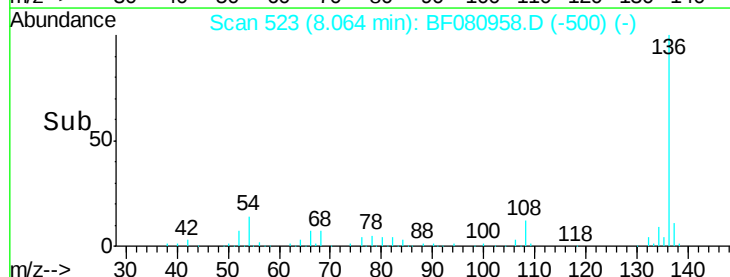
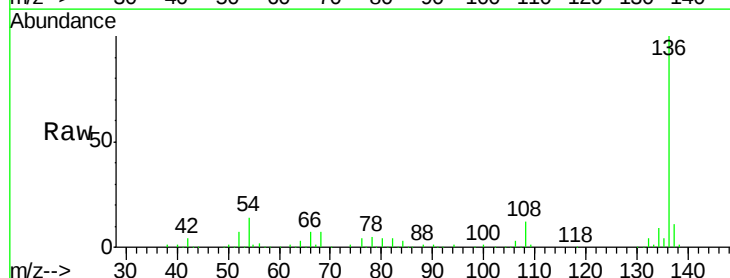
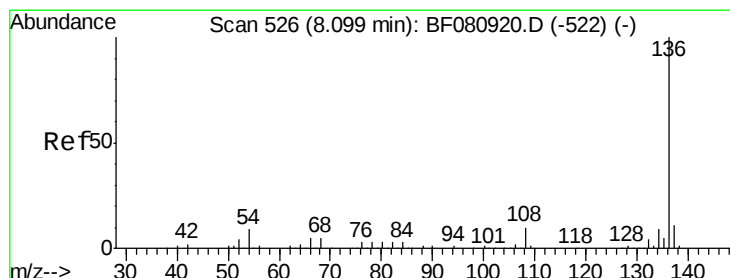
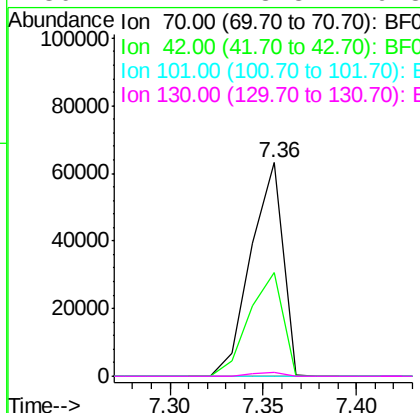




#19
n-Nitroso-di-n-propylamine
Concen: 13.05 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.13 min
Lab File: BF080958.D
Acq: 10 Aug 2015 18:38

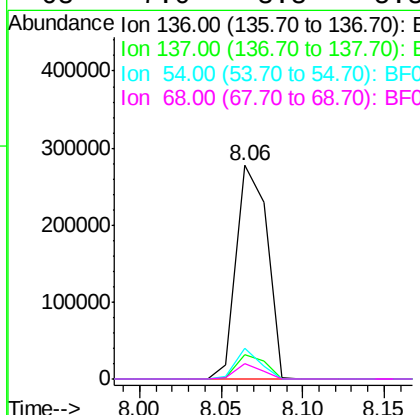
Instrument :
BNA_F
ClientSampled :
SOIL-2

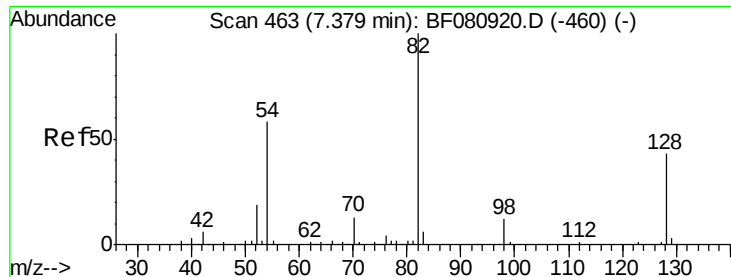
Tot Ion: 70 Resp: 75381
Ion Ratio Lower Upper
70 100
42 48.4 55.7 83.5#
101 0.0 7.0 10.6#
130 1.7 13.8 20.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.03 min
Lab File: BF080958.D
Acq: 10 Aug 2015 18:38

Tgt Ion: 136 Resp: 362427
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 14.5 7.1 10.7#
68 7.0 3.8 5.8#

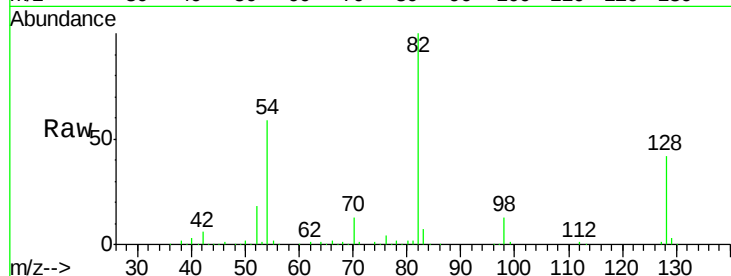




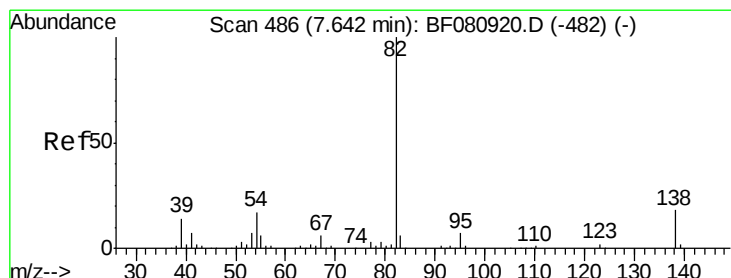
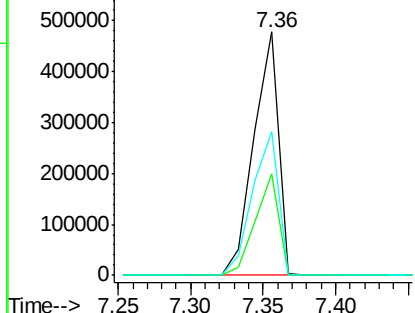
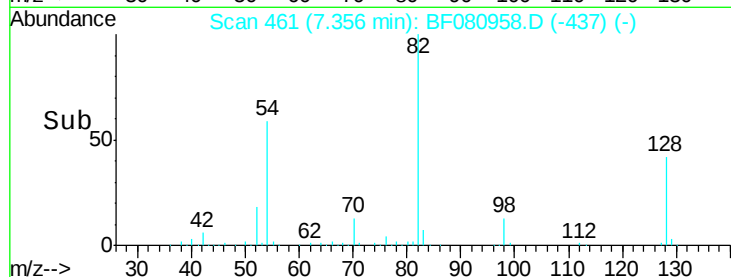
#23
 Nitrobenzene-d5
 Concen: 73.38 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF080958.D
 Acq: 10 Aug 2015 18:38

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Tot Ion	82	Resp	562227
Ion Ratio	100	Lower	Upper
128	41.5	34.1	51.1
54	58.9	46.5	69.7

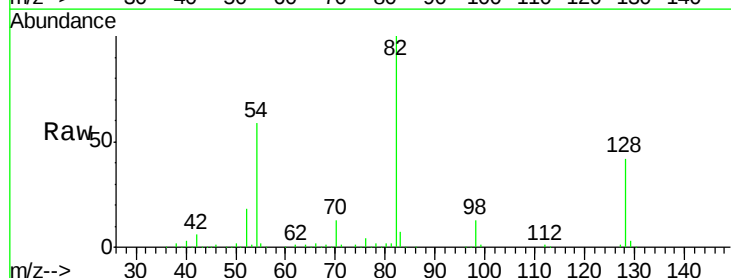


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

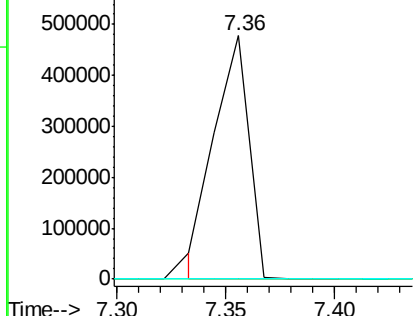
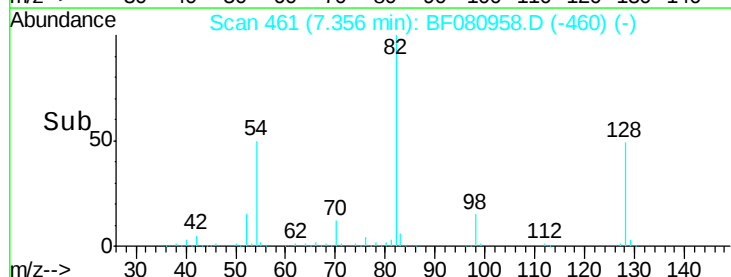


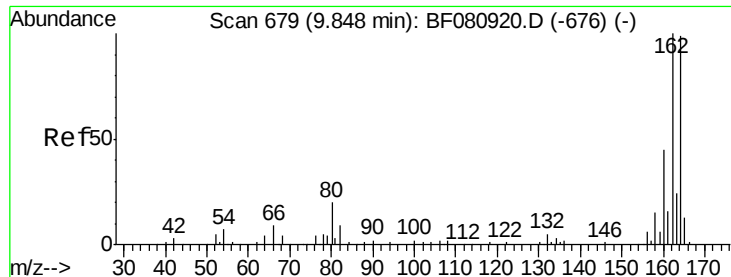
#25
 Isophorone
 Concen: 35.75 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.29 min
 Lab File: BF080958.D
 Acq: 10 Aug 2015 18:38

Tgt Ion	82	Resp	526813
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	14.1	21.1#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

Instrument :

BNA_F

ClientSampleId :

SOIL-2

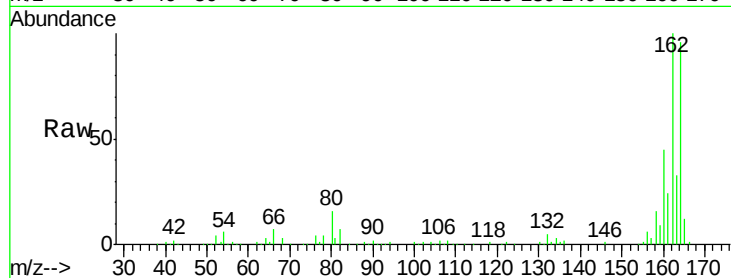
Tot Ion:164 Resp: 187408

Ion Ratio Lower Upper

164 100

162 104.3 80.5 120.7

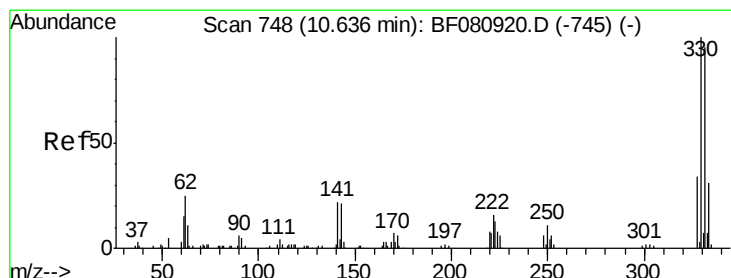
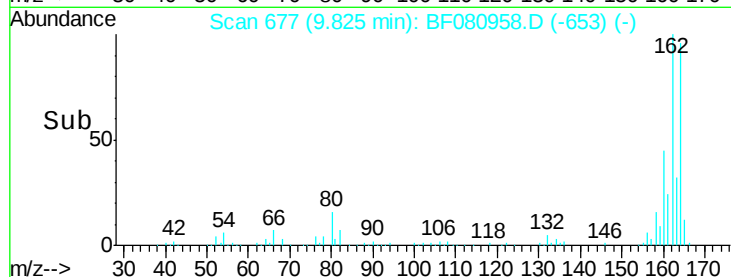
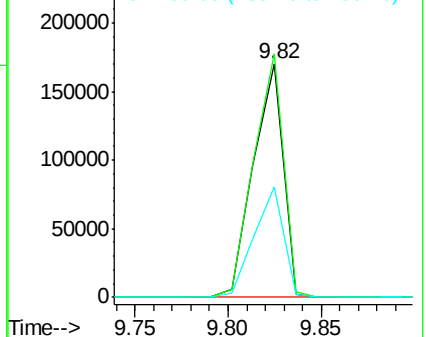
160 47.4 36.6 54.8



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: 106.99 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

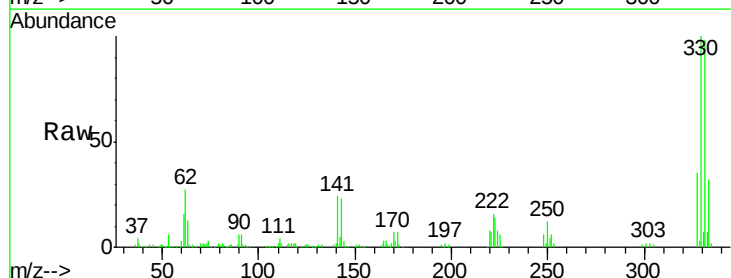
Tgt Ion:330 Resp: 220278

Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

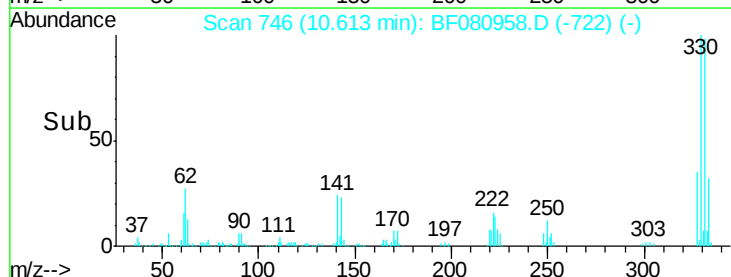
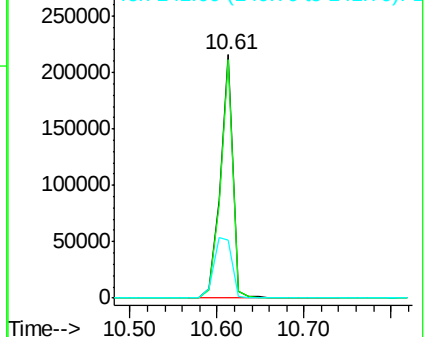
141 36.1 27.8 41.8

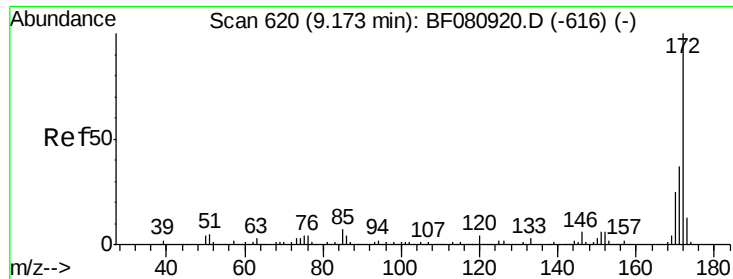


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

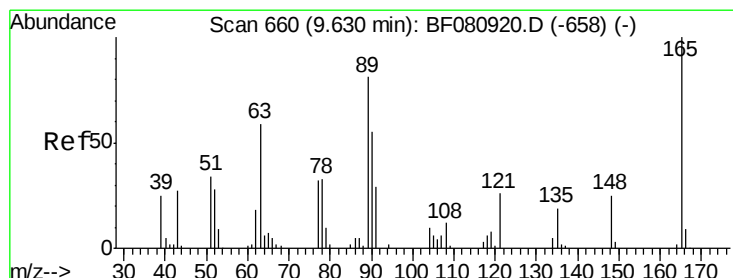
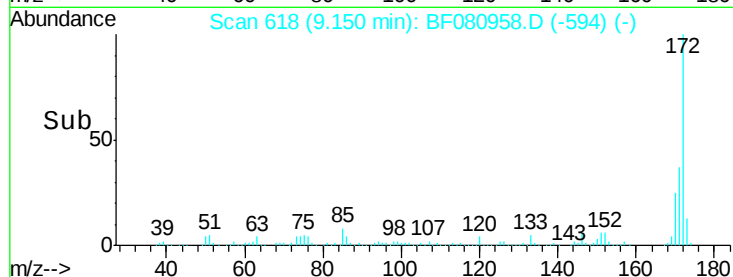
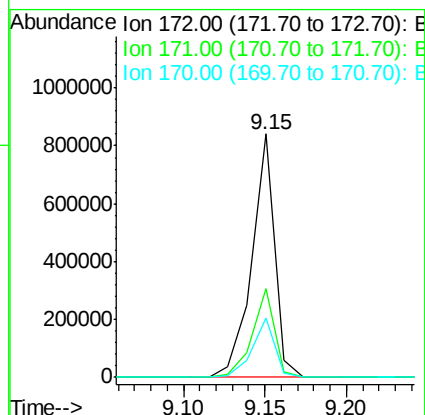
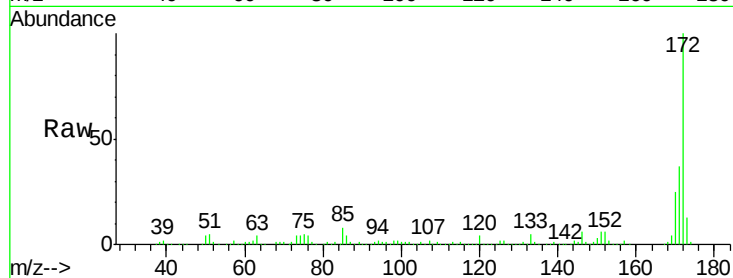




#44
 2-Fluorobiphenyl
 Concen: 61.05 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF080958.D
 Acq: 10 Aug 2015 18:38

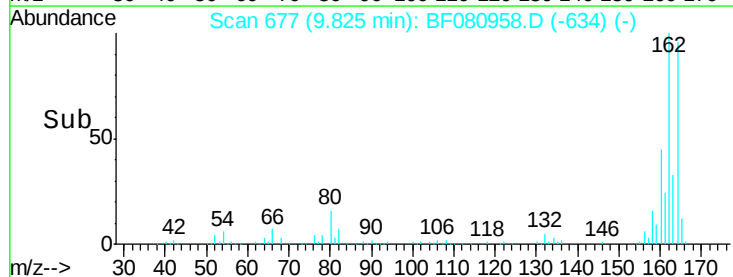
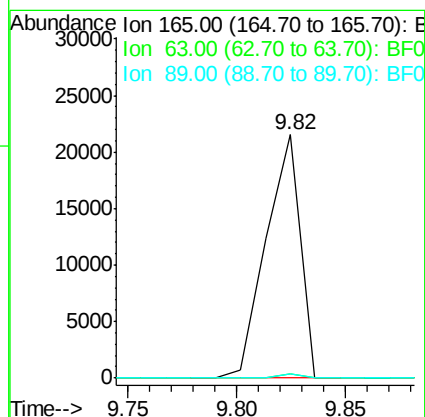
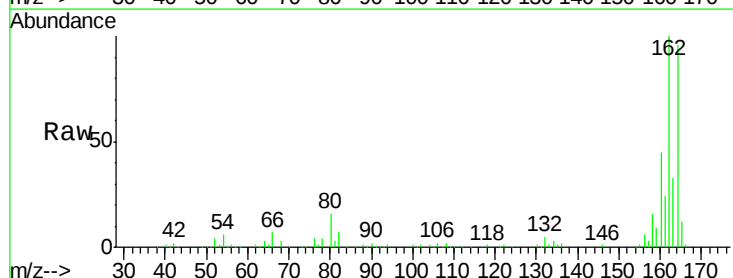
Instrument :
 BNA_F
 ClientSampleId :
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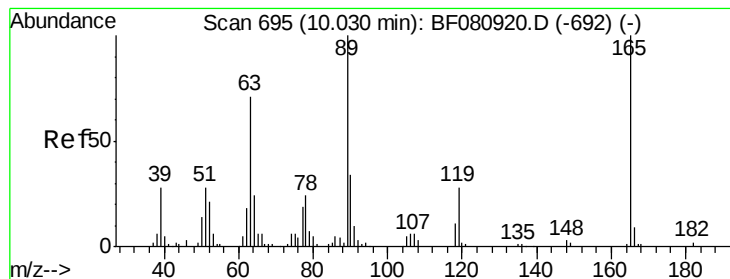
Tot Ion:172 Resp: 812650
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.5 19.7 29.5



#50
 2,6-Dinitrotoluene
 Concen: 7.38 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.19 min
 Lab File: BF080958.D
 Acq: 10 Aug 2015 18:38

Tgt Ion:165 Resp: 23744
 Ion Ratio Lower Upper
 165 100
 63 1.8 77.6 116.4#
 89 1.7 64.5 96.7#





#56

2,4-Dinitrotoluene

Concen: 5.52 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.21 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

Instrument :

BNA_F

ClientSampleId :

SOIL-2

Tot Ion:165 Resp: 23744

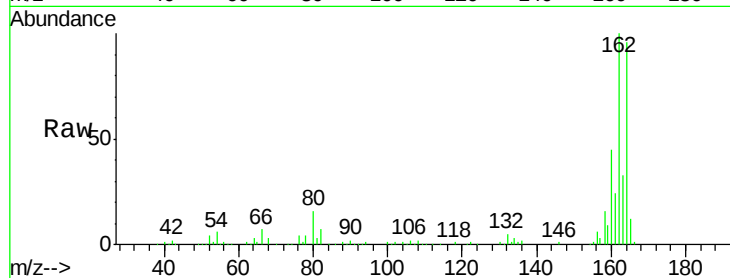
Ion Ratio Lower Upper

165 100

63 1.8 56.7 85.1#

89 1.7 80.4 120.6#

182 0.0 1.5 2.3#

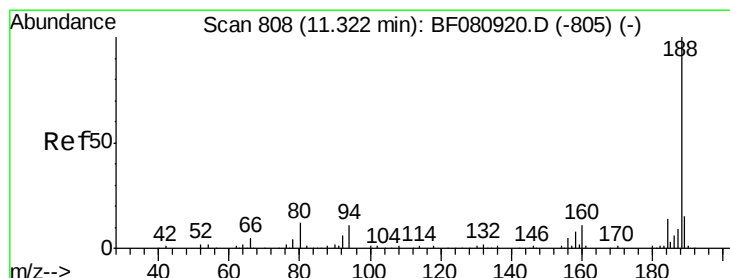
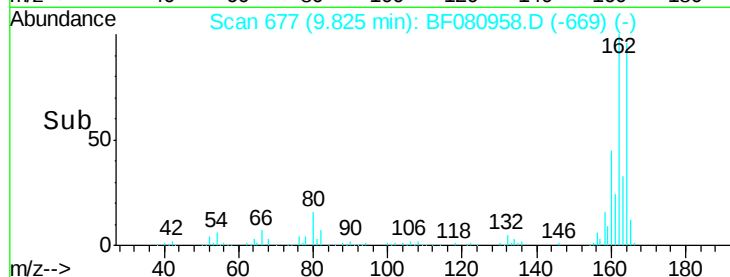
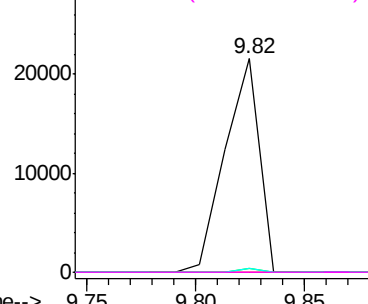


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

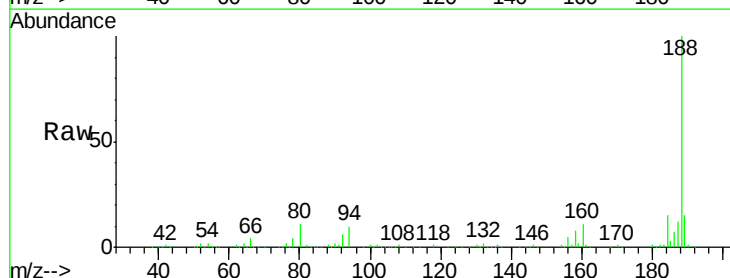
Tgt Ion:188 Resp: 375983

Ion Ratio Lower Upper

188 100

94 9.8 8.8 13.2

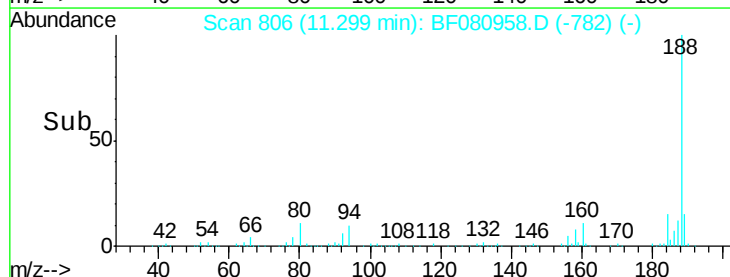
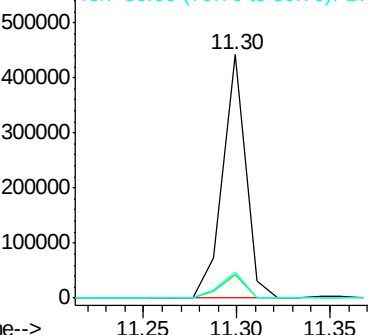
80 10.9 9.5 14.3

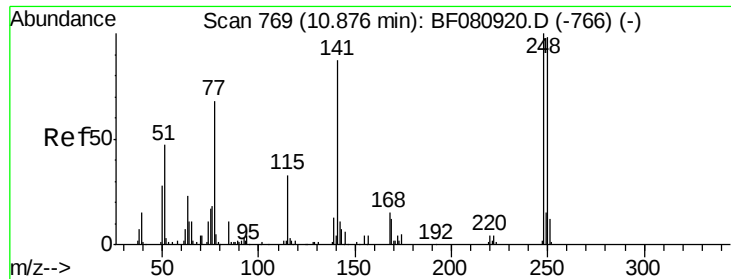


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.68 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.26 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

Instrument :

BNA_F

ClientSampleId :

SOIL-2

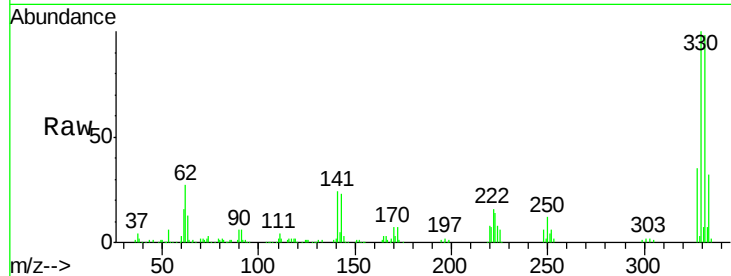
Tot Ion:248 Resp: 14657

Ion Ratio Lower Upper

248 100

250 196.7 78.1 117.1#

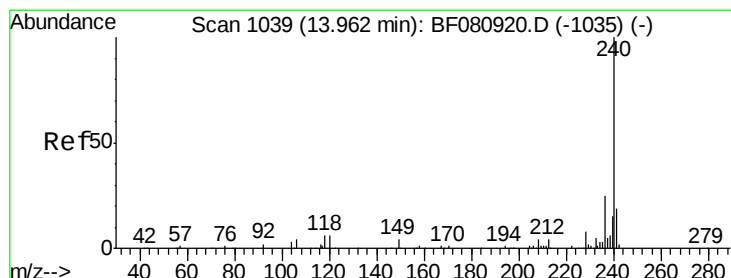
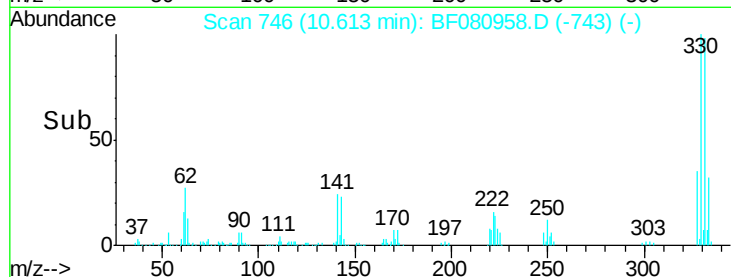
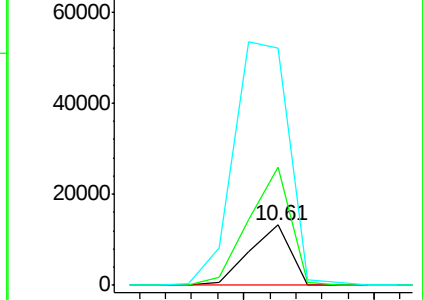
141 392.9 69.6 104.4#



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: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

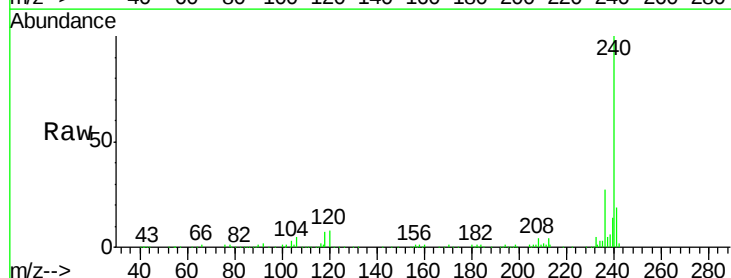
Tgt Ion:240 Resp: 321880

Ion Ratio Lower Upper

240 100

120 7.9 5.2 7.8#

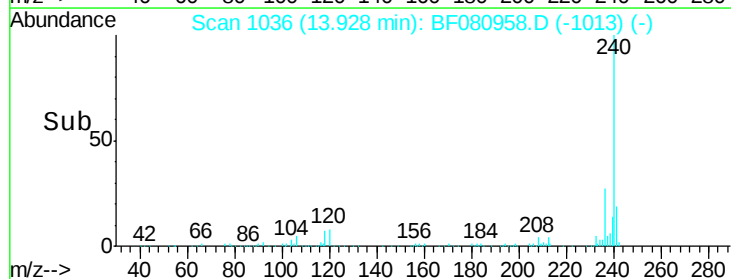
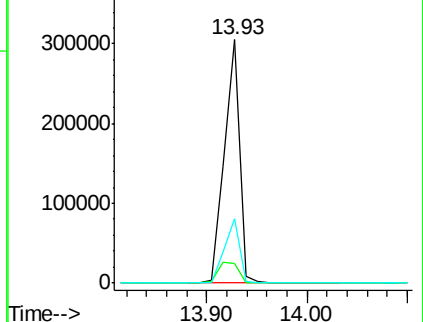
236 26.6 20.2 30.4

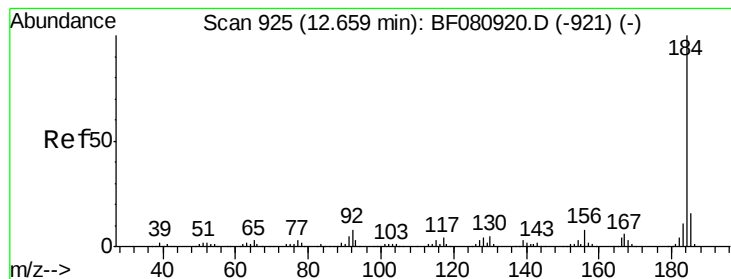


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.33 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.03 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

Instrument :

BNA_F

ClientSampleId :

SOIL-2

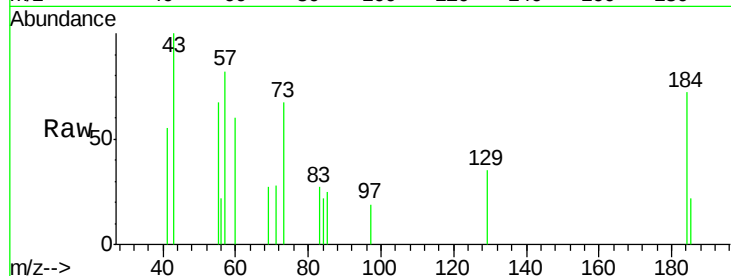
Tot Ion:184 Resp: 1193

Ion Ratio Lower Upper

184 100

185 30.2 13.0 19.4#

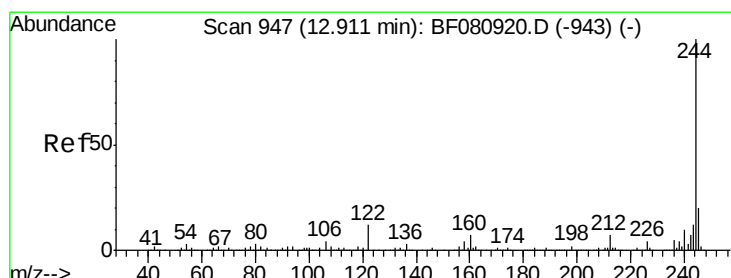
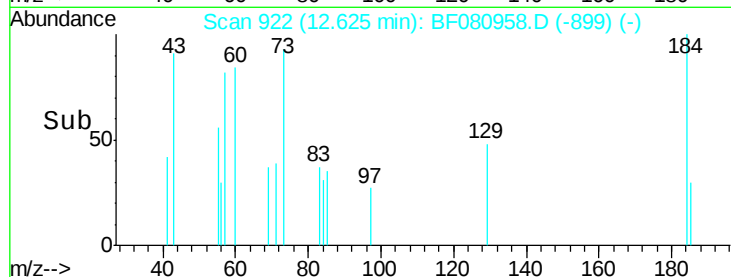
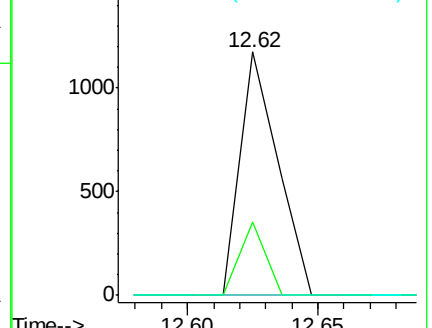
183 0.0 8.7 13.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 53.81 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF080958.D

Acq: 10 Aug 2015 18:38

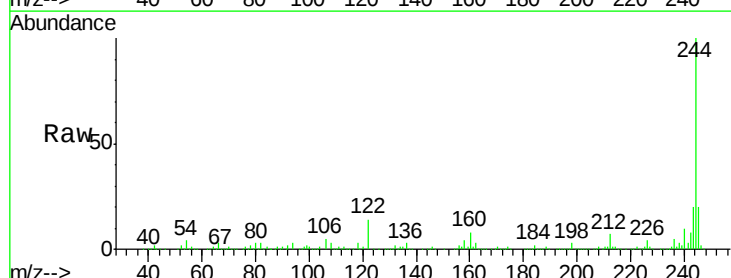
Tgt Ion:244 Resp: 838484

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

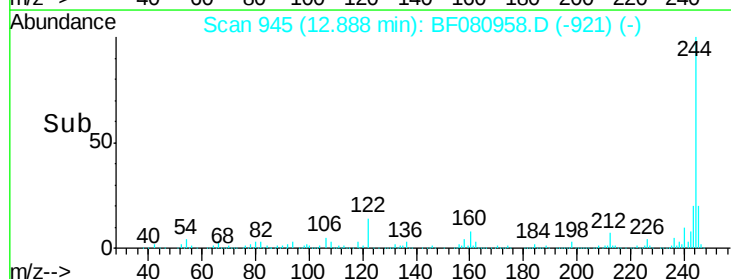
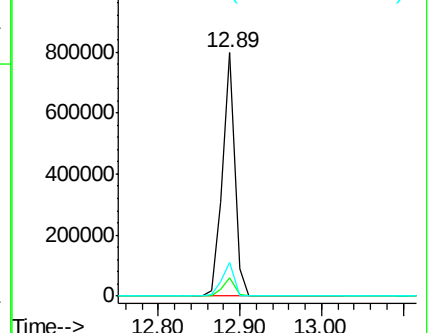
122 13.6 9.4 14.2

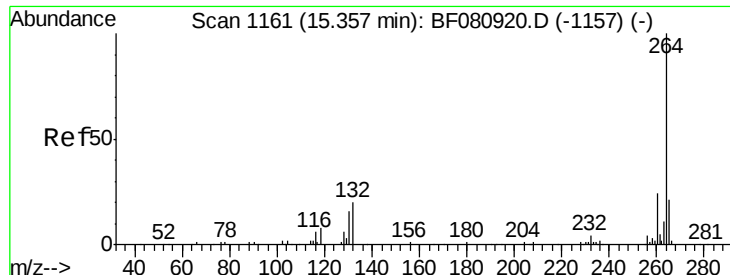


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.03 min
Lab File: BF080958.D
Acq: 10 Aug 2015 18:38

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tot Ion:264 Resp: 264008

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.0
265	21.5	17.0	25.4

