

Data Path : Z:\HPCHEM1\BNA_F\Data\BF071315\
 Data File : BF080459.D
 Acq On : 14 Jul 2015 10:28
 Operator : TP/UM
 Sample : G2957-03 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-2

Quant Time: Jul 14 12:14:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 11 05:35:30 2015
 Response via : Initial Calibration

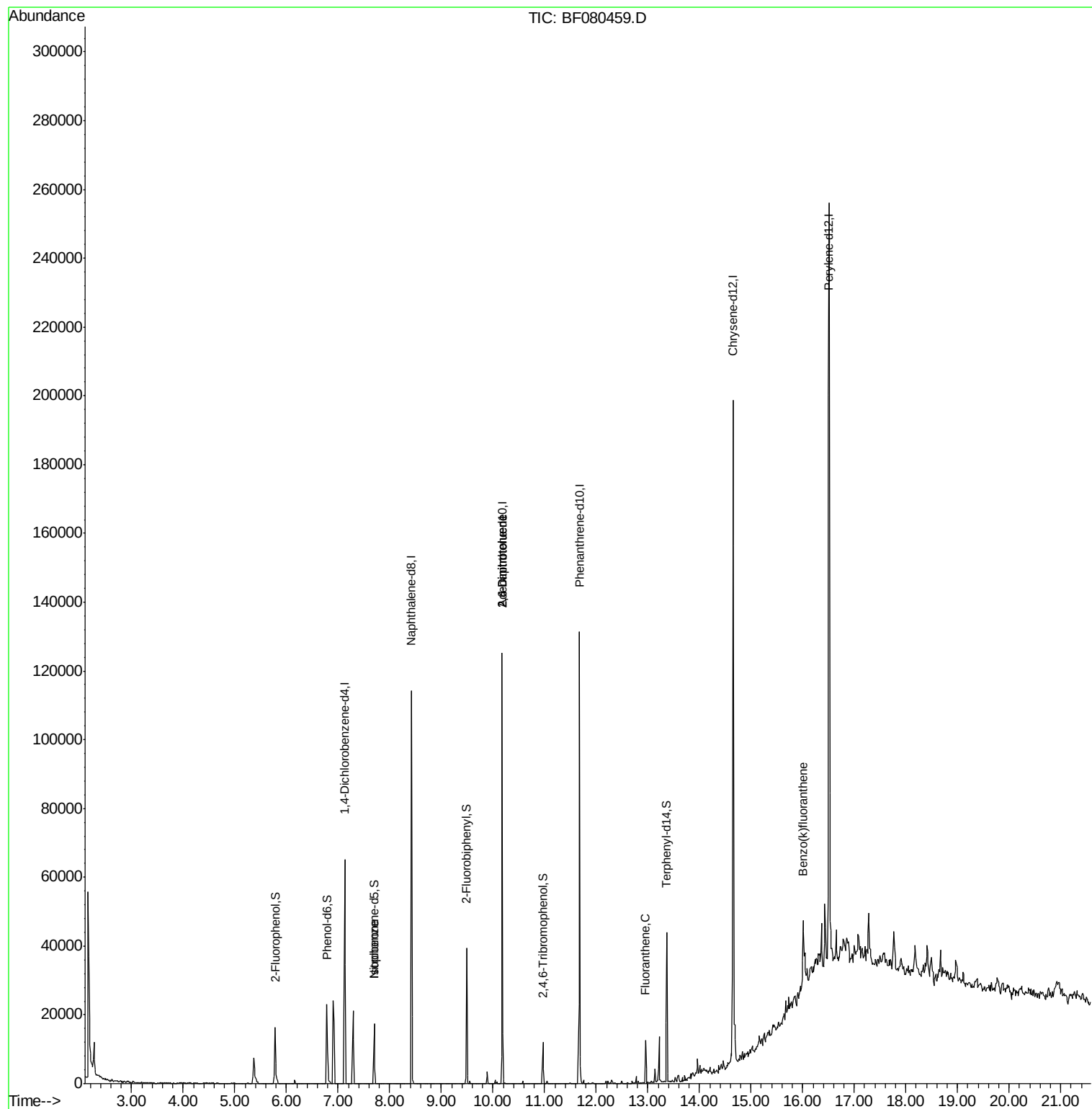
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	11767	20.00	ng	-0.02
21) Naphthalene-d8	8.42	136	48371	20.00	ng	-0.01
38) Acenaphthene-d10	10.18	164	23625	20.00	ng	-0.01
63) Phenanthrene-d10	11.68	188	48527	20.00	ng	-0.01
75) Chrysene-d12	14.65	240	93791	20.00	ng	0.11
86) Perylene-d12	16.51	264	111432	20.00	ng	0.23
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	8040	11.71	ng	-0.01
7) Phenol-d6	6.78	99	11718	12.81	ng	-0.01
23) Nitrobenzene-d5	7.70	82	6468	7.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.97	330	1798	7.80	ng	-0.02
44) 2-Fluorobiphenyl	9.49	172	13887	7.92	ng	-0.01
78) Terphenyl-d14	13.37	244	19243	4.46	ng	0.05
Target Compounds						
25) Isophorone	7.70	82	6468	4.26	ng	# 73
50) 2,6-Dinitrotoluene	10.18	165	3043	7.59	ng	# 24
56) 2,4-Dinitrotoluene	10.18	165	3043	6.49	ng	# 9
74) Fluoranthene	12.96	202	6335	2.10	ng	94
88) Benzo(k)fluoranthene	16.01	252	14536	2.30	ng	# 94

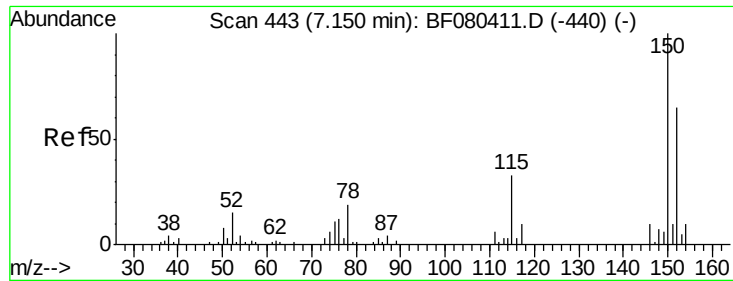
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Time: Jul 14 12:14:09 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 11 05:35:30 2015
Response via : Initial Calibration



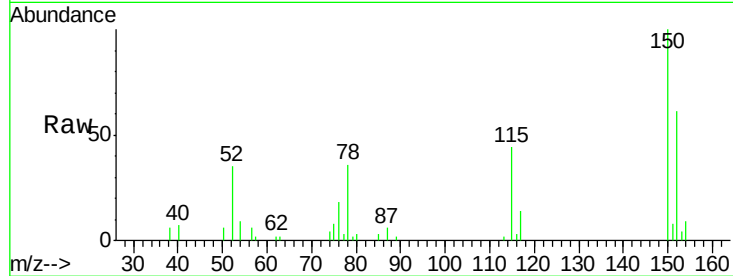


#1

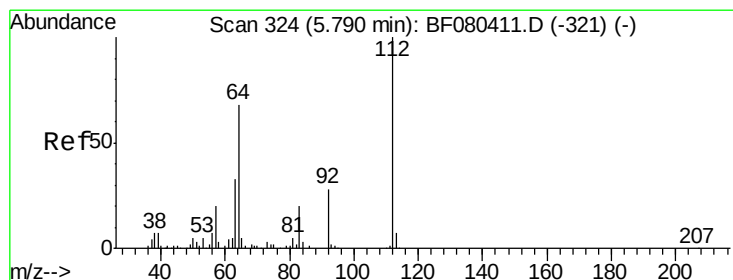
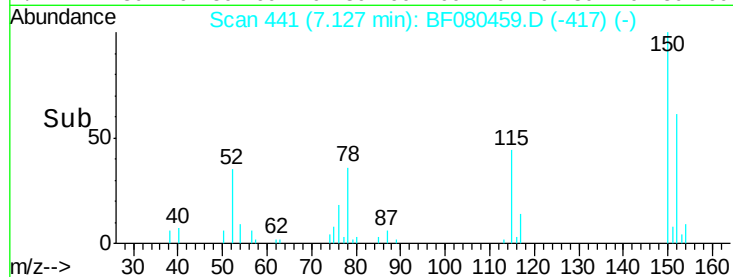
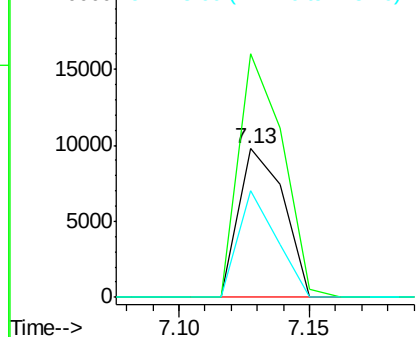
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF080459.D
Acq: 14 Jul 2015 10:28

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-2

Tgt Ion:152 Resp: 11767
Ion Ratio Lower Upper
152 100
150 164.1 122.3 183.5
115 71.9 41.0 61.4#



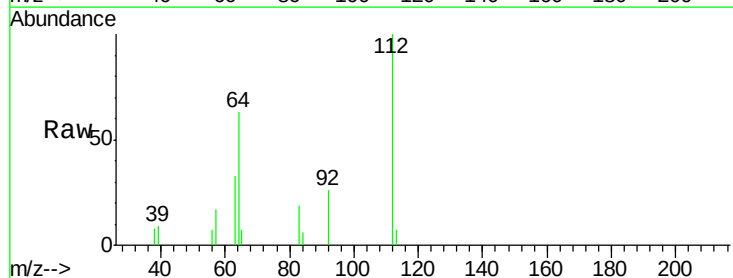
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



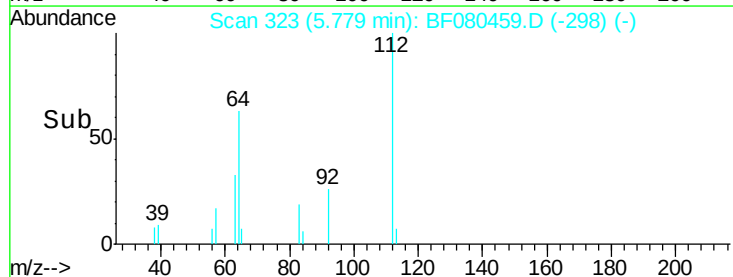
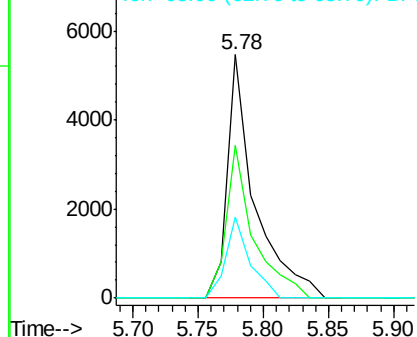
#5

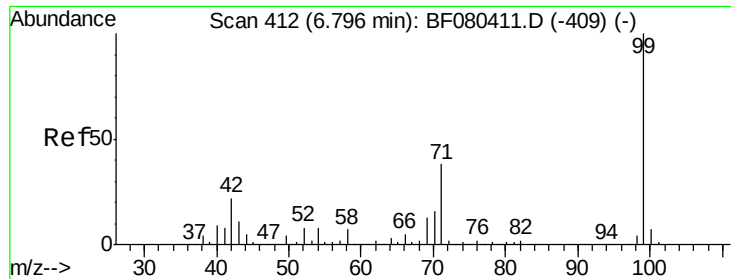
2-Fluorophenol
Concen: 11.71 ng
RT: 5.78 min Scan# 323
Delta R.T. -0.01 min
Lab File: BF080459.D
Acq: 14 Jul 2015 10:28

Tgt Ion:112 Resp: 8040
Ion Ratio Lower Upper
112 100
64 62.8 54.3 81.5
63 33.0 26.7 40.1



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: 12.81 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF080459.D

Acq: 14 Jul 2015 10:28

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-2

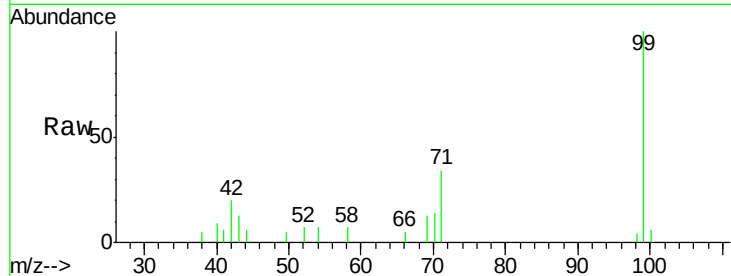
Tgt Ion: 99 Resp: 11718

Ion Ratio Lower Upper

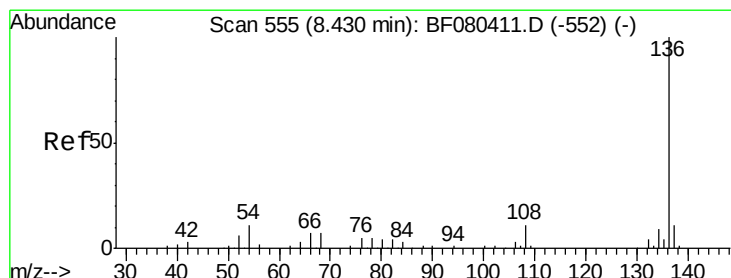
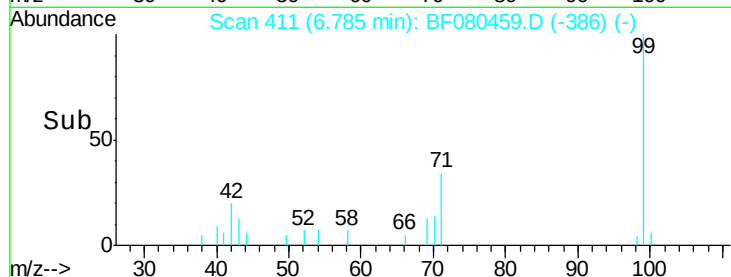
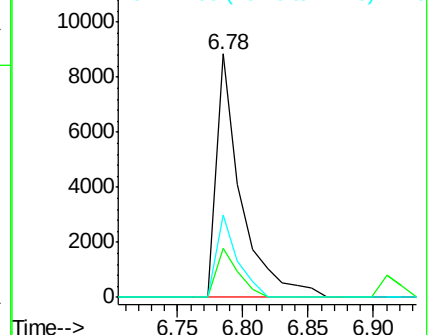
99 100

42 20.2 17.9 26.9

71 34.0 30.1 45.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.42 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF080459.D

Acq: 14 Jul 2015 10:28

Tgt Ion: 136 Resp: 48371

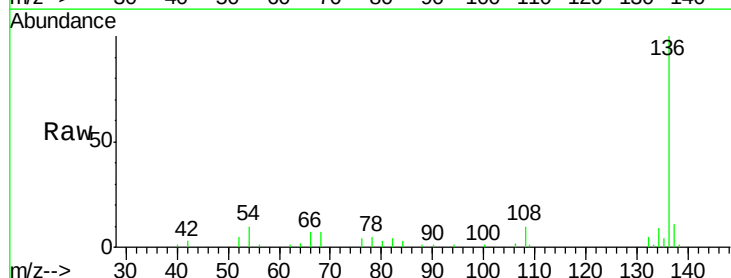
Ion Ratio Lower Upper

136 100

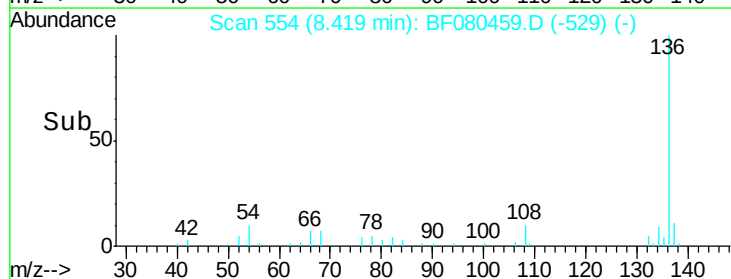
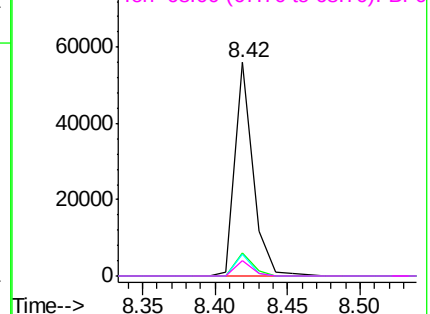
137 10.6 9.0 13.4

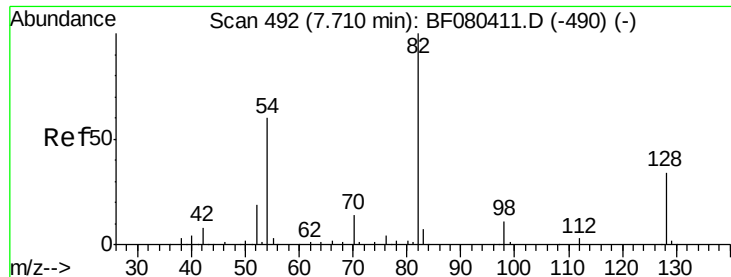
54 10.4 9.1 13.7

68 7.0 5.9 8.9



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

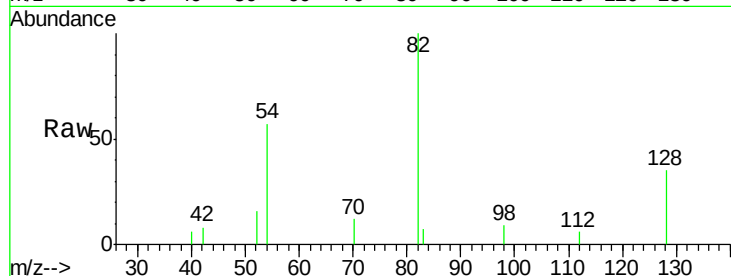




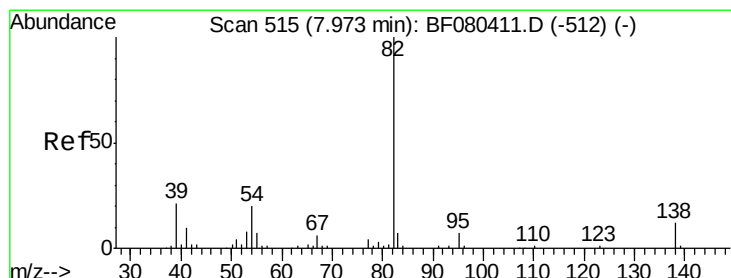
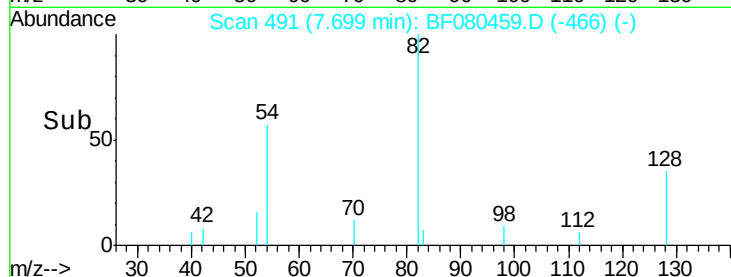
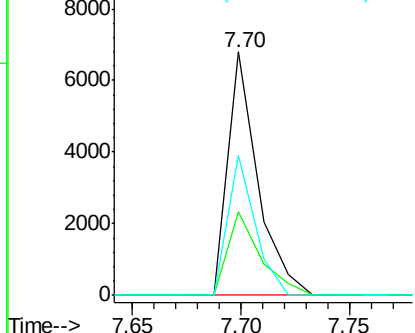
#23
 Nitrobenzene-d5
 Concen: 7.63 ng
 RT: 7.70 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF080459.D
 Acq: 14 Jul 2015 10:28

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-2

Tgt Ion: 82 Resp: 6468
 Ion Ratio Lower Upper
 82 100
 128 34.6 26.9 40.3
 54 57.4 47.7 71.5

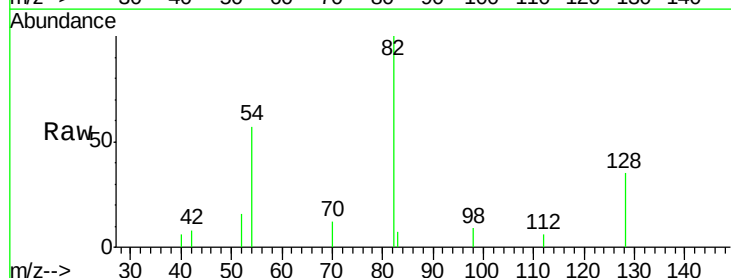


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

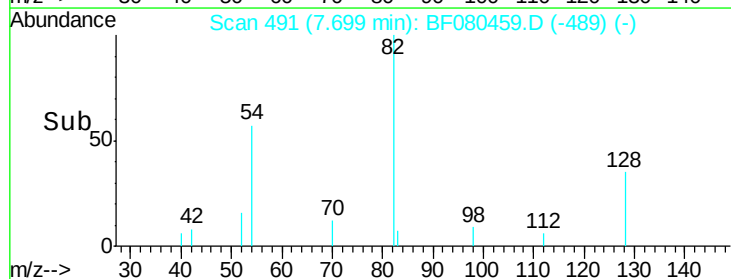
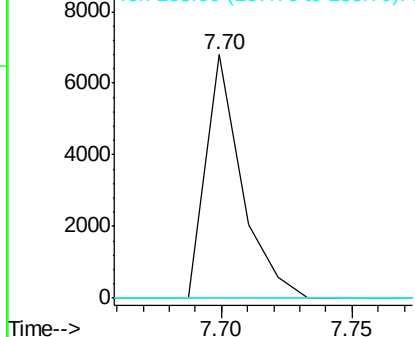


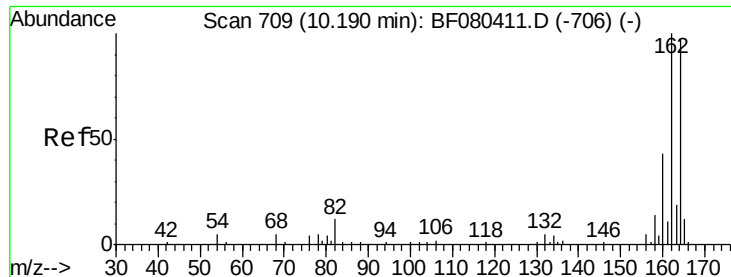
#25
 Isophorone
 Concen: 4.26 ng
 RT: 7.70 min Scan# 491
 Delta R.T. -0.27 min
 Lab File: BF080459.D
 Acq: 14 Jul 2015 10:28

Tgt Ion: 82 Resp: 6468
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 9.5 14.3#



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

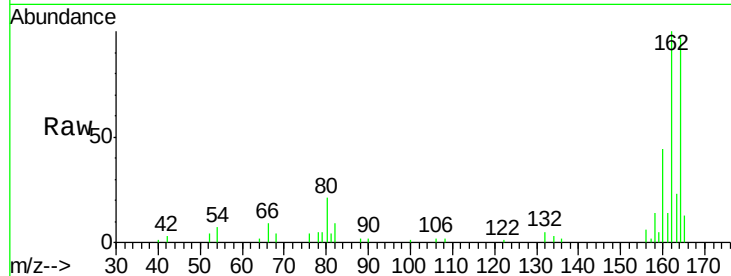




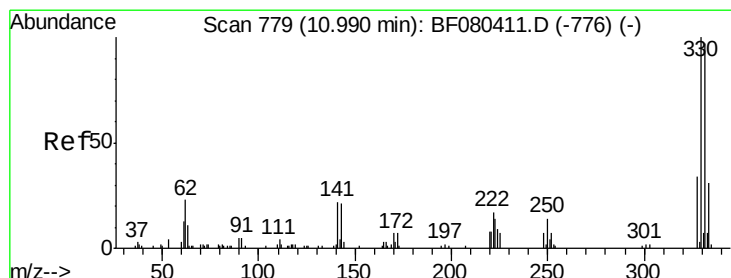
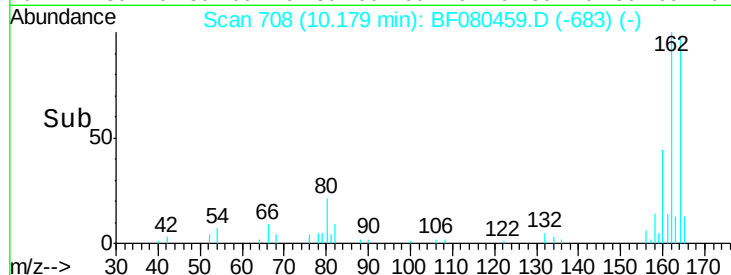
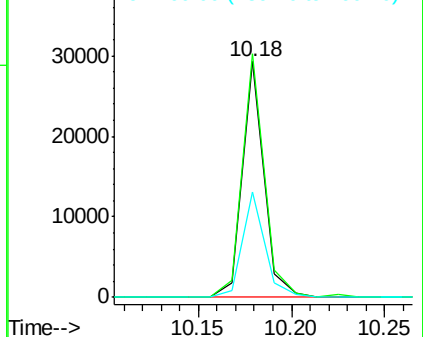
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.18 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: BF080459.D
 Acq: 14 Jul 2015 10:28

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-2

Tgt Ion:164 Resp: 23625
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.7 124.1
 160 45.0 35.5 53.3

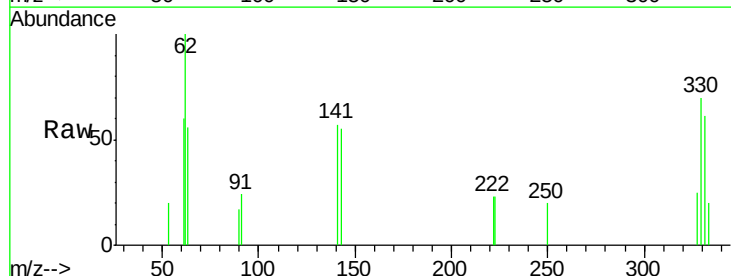


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

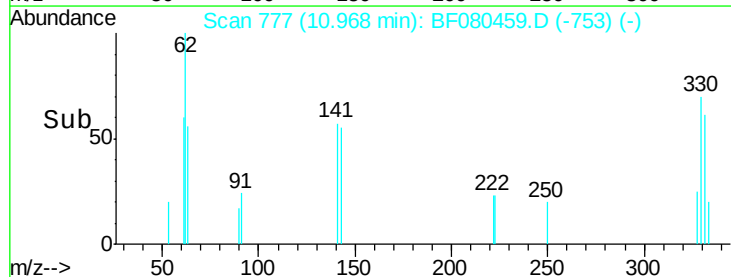
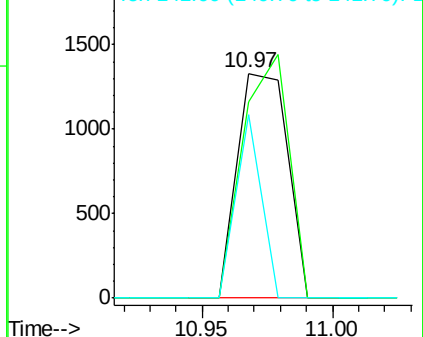


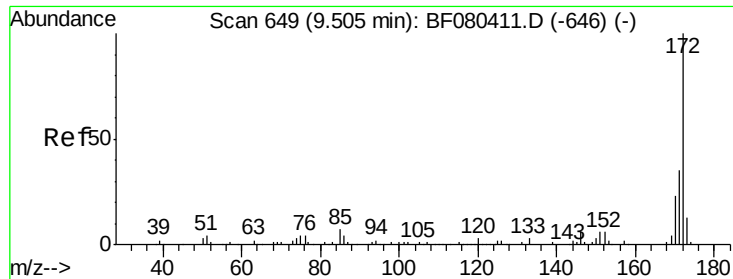
#41
 2,4,6-Tribromophenol
 Concen: 7.80 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BF080459.D
 Acq: 14 Jul 2015 10:28

Tgt Ion:330 Resp: 1798
 Ion Ratio Lower Upper
 330 100
 332 99.4 78.0 117.0
 141 41.4 28.6 43.0



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

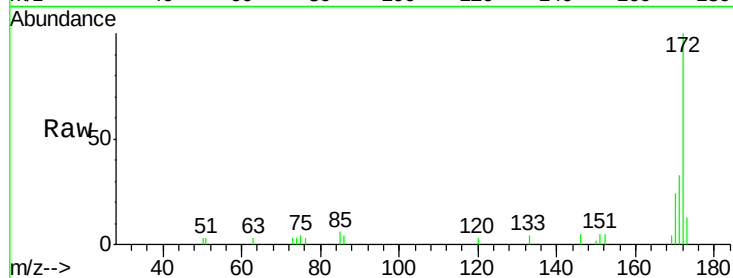




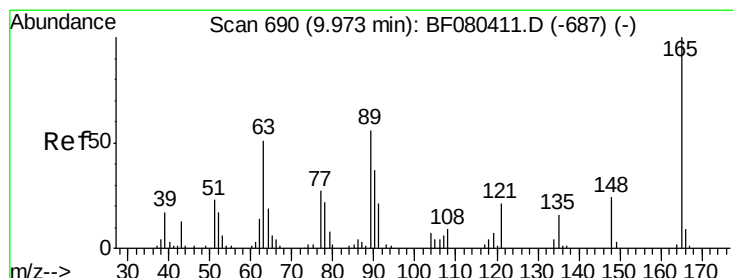
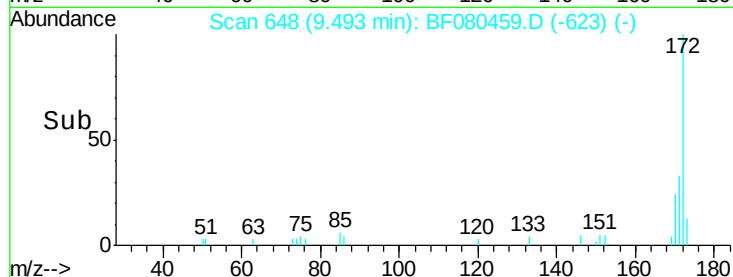
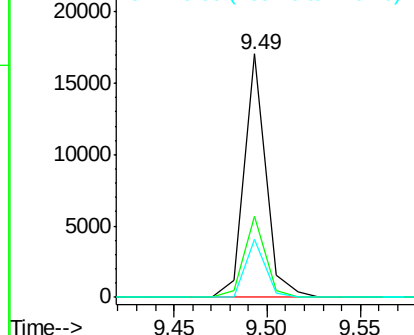
#44
2-Fluorobiphenyl
Concen: 7.92 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF080459.D
Acq: 14 Jul 2015 10:28

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-2

Tgt Ion:172 Resp: 13887
Ion Ratio Lower Upper
172 100
171 33.3 28.4 42.6
170 23.6 18.6 28.0

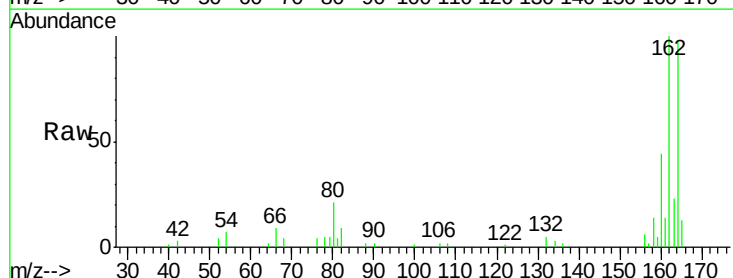


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

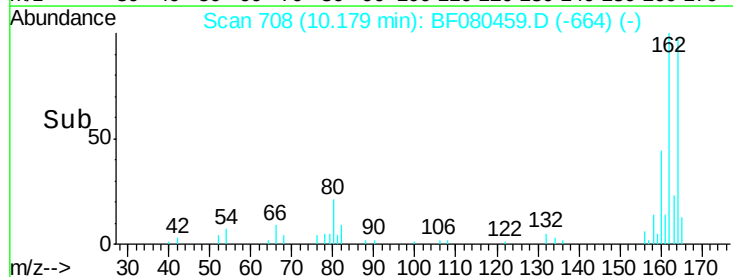
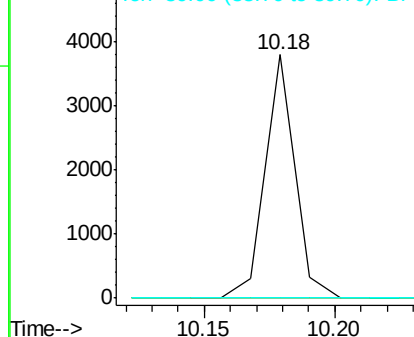


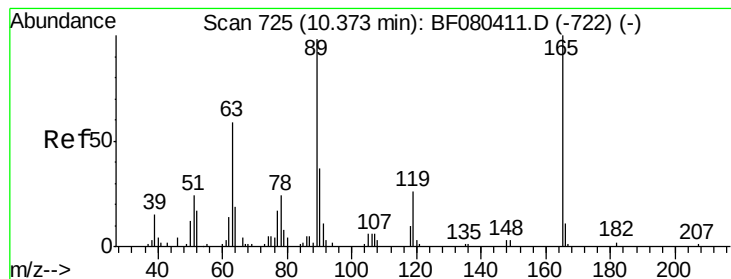
#50
2,6-Dinitrotoluene
Concen: 7.59 ng
RT: 10.18 min Scan# 708
Delta R.T. 0.21 min
Lab File: BF080459.D
Acq: 14 Jul 2015 10:28

Tgt Ion:165 Resp: 3043
Ion Ratio Lower Upper
165 100
63 0.0 44.5 66.7#
89 0.0 44.5 66.7#



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: 6.49 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.19 min

Lab File: BF080459.D

Acq: 14 Jul 2015 10:28

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-2

Tgt Ion:165 Resp: 3043

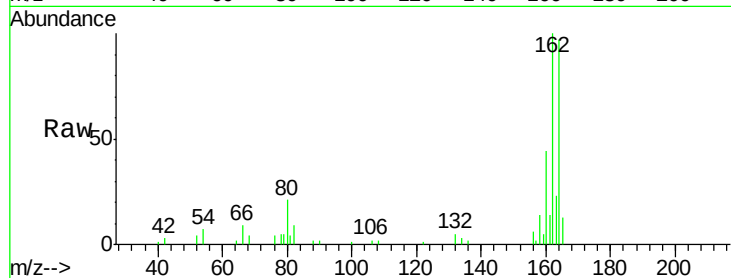
Ion Ratio Lower Upper

165 100

63 0.0 51.7 77.5#

89 0.0 78.6 117.8#

182 0.0 1.8 2.8#

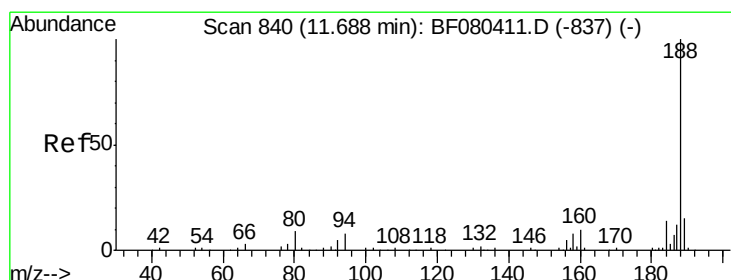
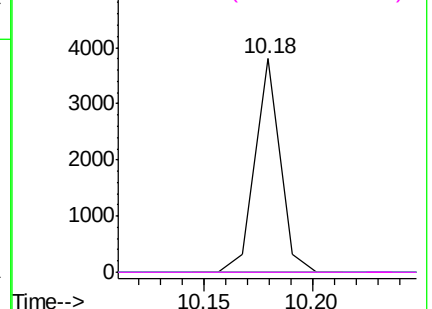
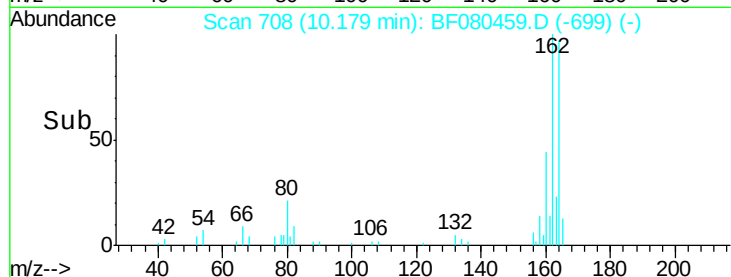


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.68 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF080459.D

Acq: 14 Jul 2015 10:28

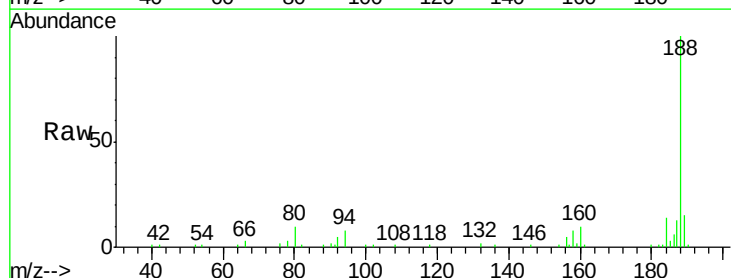
Tgt Ion:188 Resp: 48527

Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

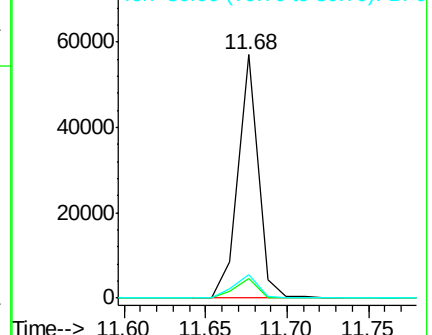
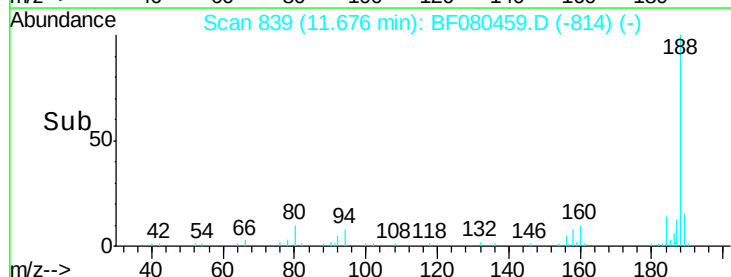
80 9.8 7.5 11.3

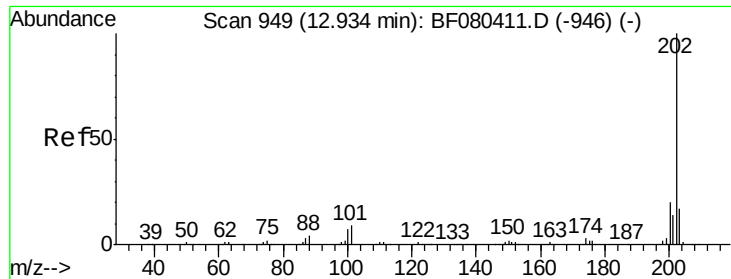


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

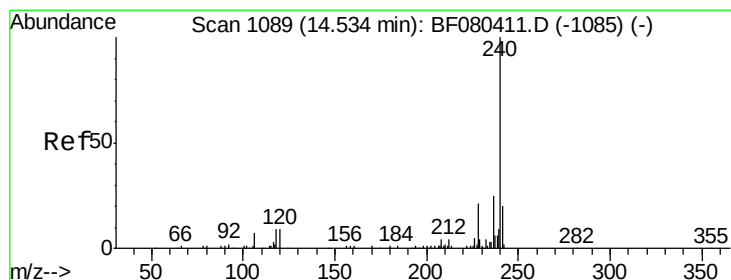
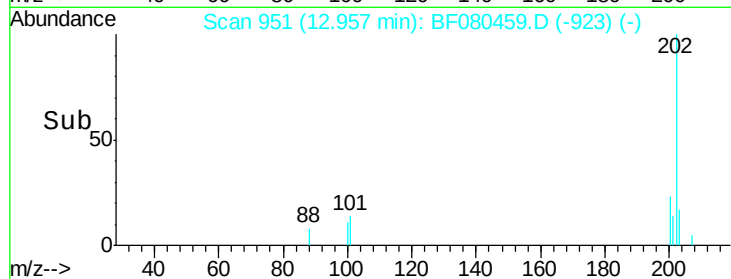
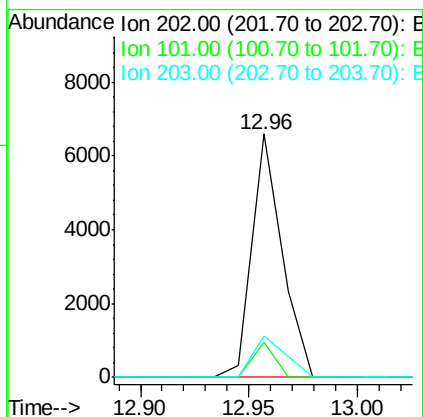
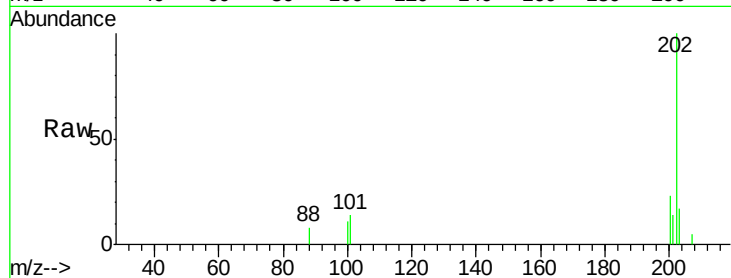




#74
 Fluoranthene
 Concen: 2.10 ng
 RT: 12.96 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: BF080459.D
 Acq: 14 Jul 2015 10:28

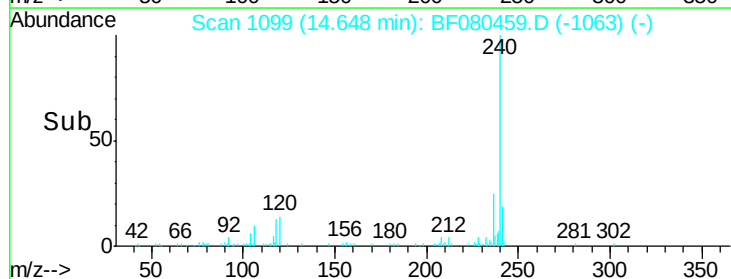
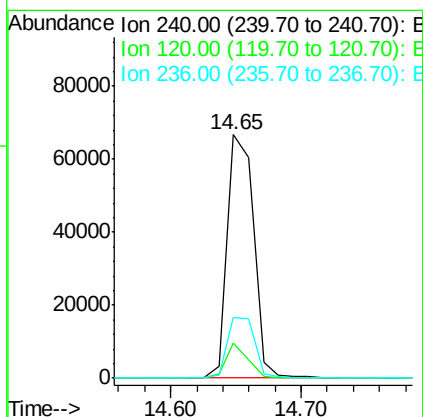
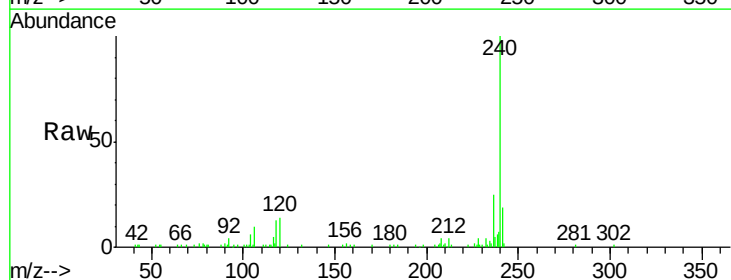
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-2

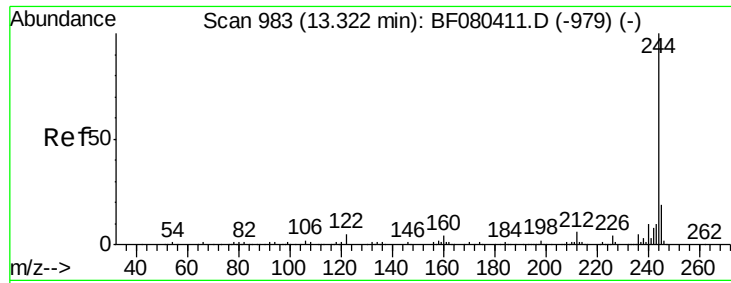
Tgt Ion: 202 Resp: 6335
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 28.8
 203 17.0 0.0 37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.65 min Scan# 1099
 Delta R.T. 0.11 min
 Lab File: BF080459.D
 Acq: 14 Jul 2015 10:28

Tgt Ion: 240 Resp: 93791
 Ion Ratio Lower Upper
 240 100
 120 14.3 7.4 11.2#
 236 25.1 19.7 29.5





#78

Terphenyl-d14

Concen: 4.46 ng

RT: 13.37 min Scan# 987

Delta R.T. 0.05 min

Lab File: BF080459.D

Acq: 14 Jul 2015 10:28

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-2

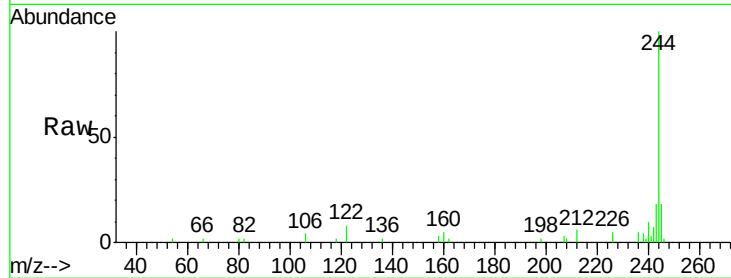
Tgt Ion:244 Resp: 19243

Ion Ratio Lower Upper

244 100

212 6.1 4.9 7.3

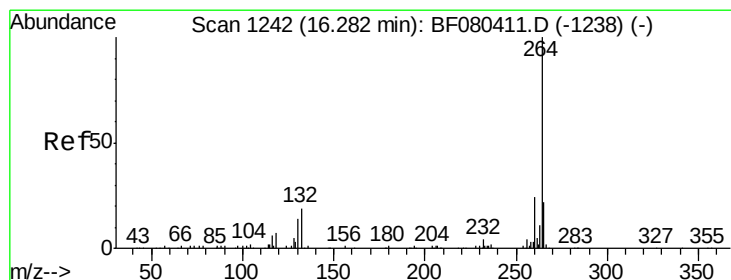
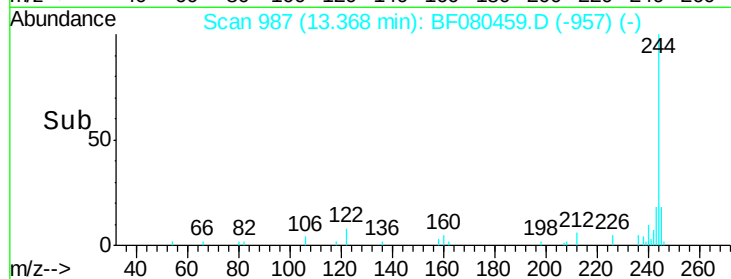
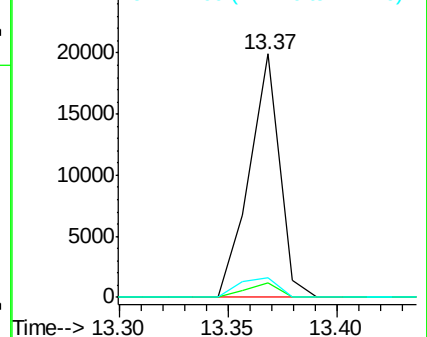
122 8.2 4.1 6.1#



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: 16.51 min Scan# 1262

Delta R.T. 0.23 min

Lab File: BF080459.D

Acq: 14 Jul 2015 10:28

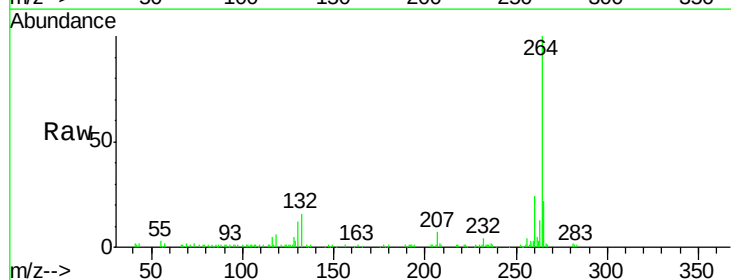
Tgt Ion:264 Resp: 111432

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

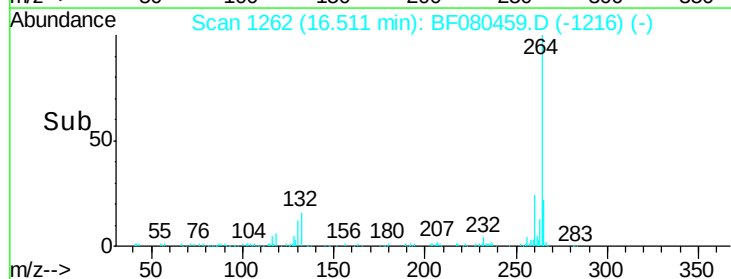
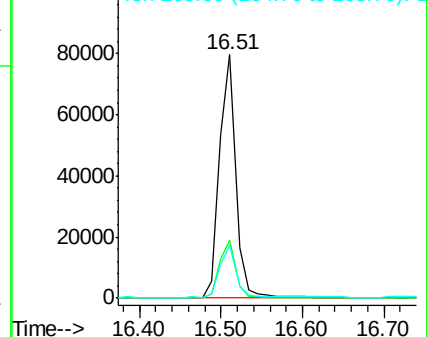
265 21.8 17.8 26.8

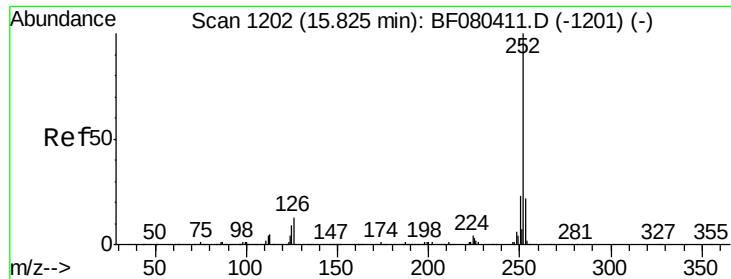


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88
 Benzo(k)fluoranthene
 Concen: 2.30 ng
 RT: 16.01 min Scan# 1218
 Delta R.T. 0.18 min
 Lab File: BF080459.D
 Acq: 14 Jul 2015 10:28

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	15.1	8.4	12.6

