

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 05:49:13 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

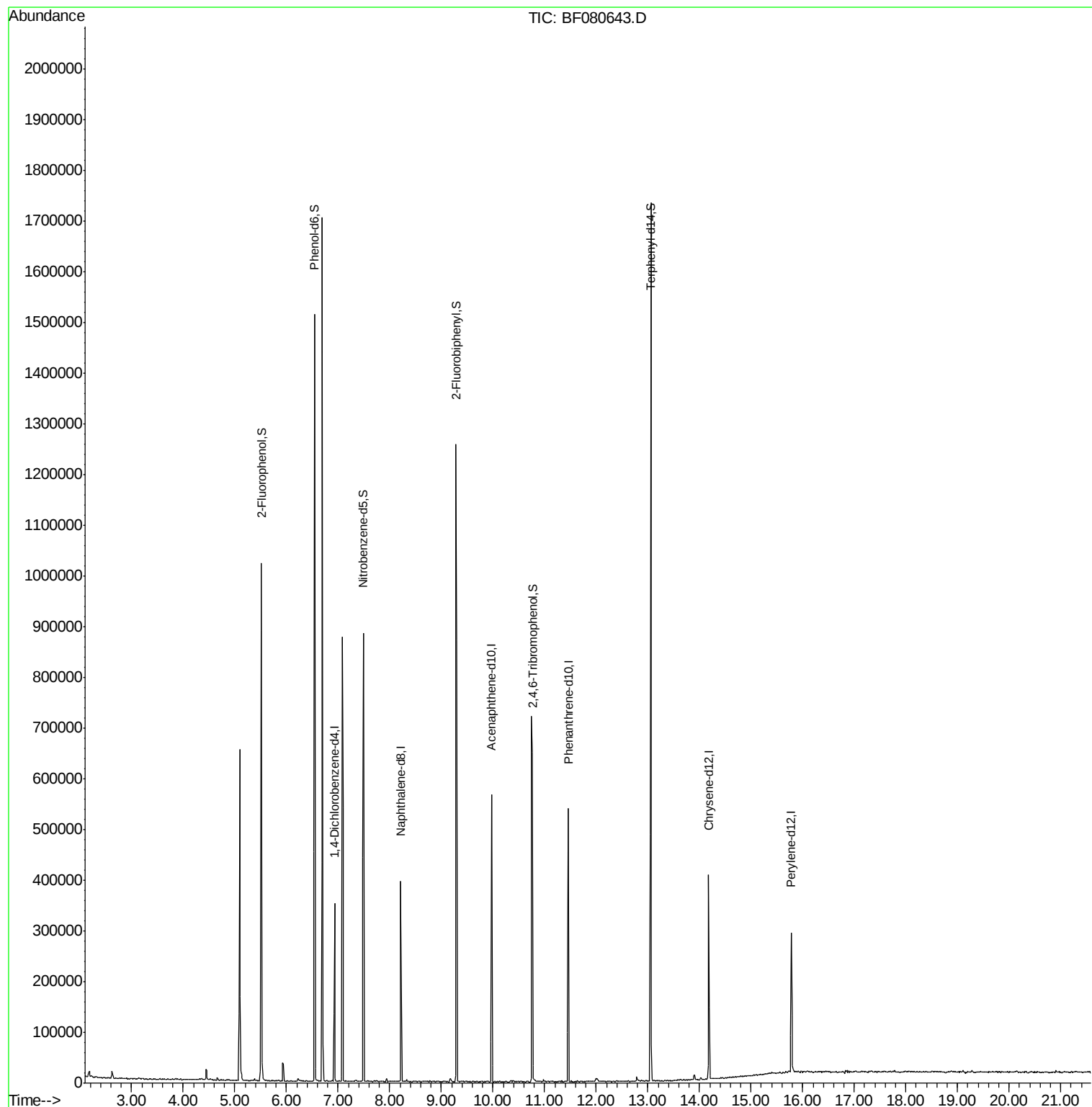
Target Compounds	Qvalue
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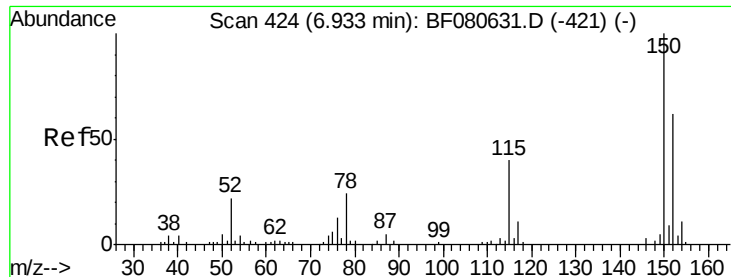
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

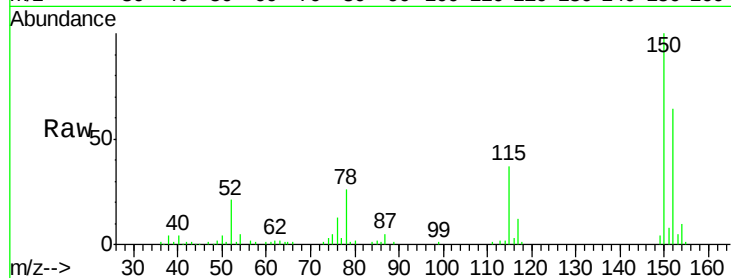
Tgt Ion:152 Resp: 52959

Ion Ratio Lower Upper

152 100

150 157.0 128.9 193.3

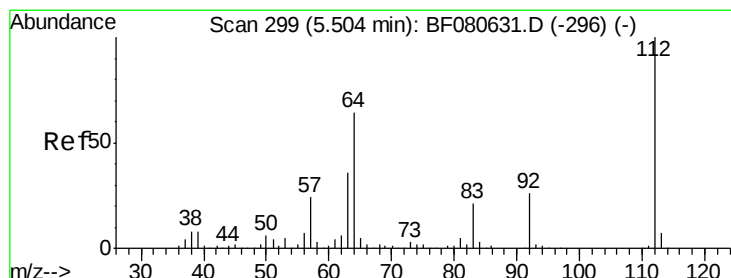
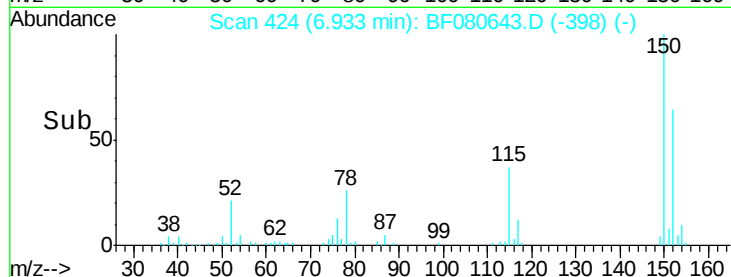
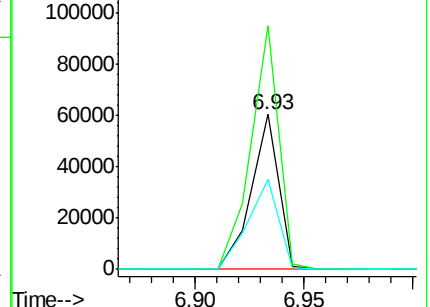
115 58.1 51.0 76.6



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

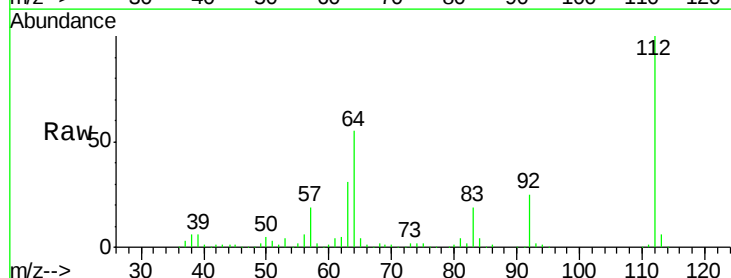
Tgt Ion:112 Resp: 355138

Ion Ratio Lower Upper

112 100

64 55.4 51.2 76.8

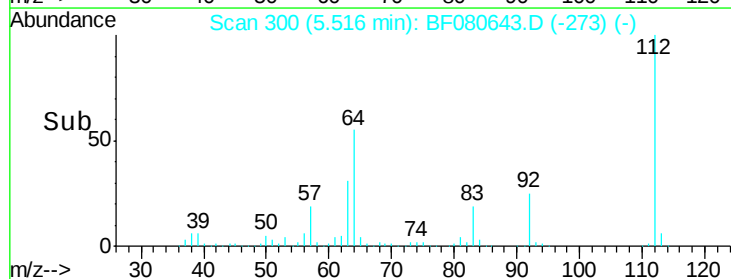
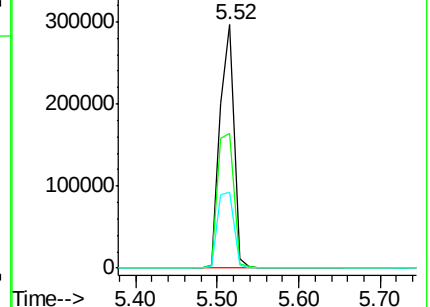
63 31.4 29.0 43.6

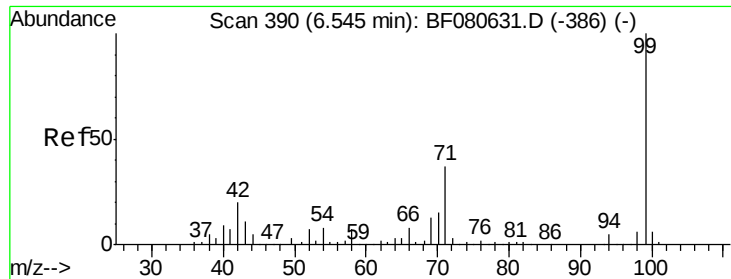


Abundance Ion 112.00 (111.70 to 112.70): E

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

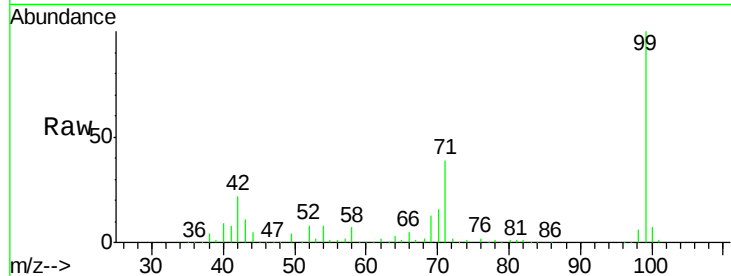
Tgt Ion: 99 Resp: 444378

Ion Ratio Lower Upper

99 100

42 21.6 16.3 24.5

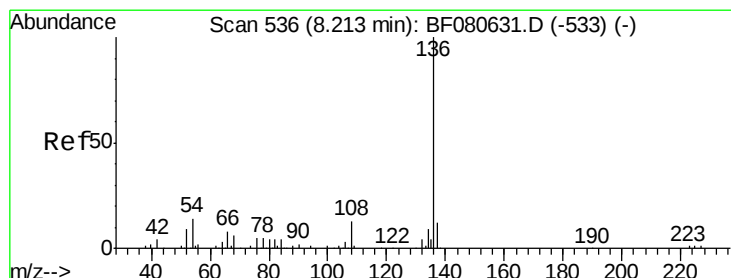
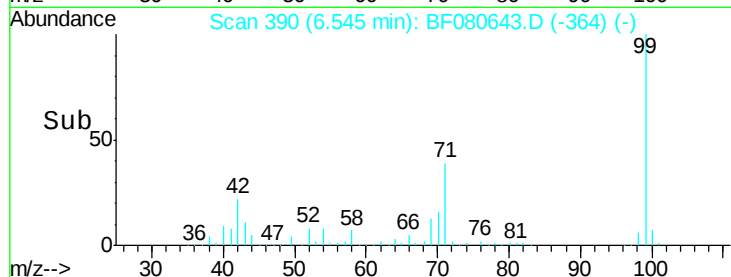
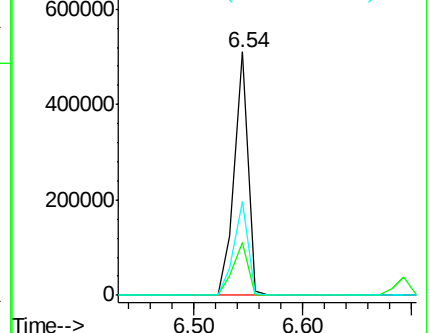
71 38.7 29.7 44.5



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



#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

Tgt Ion: 136 Resp: 186228

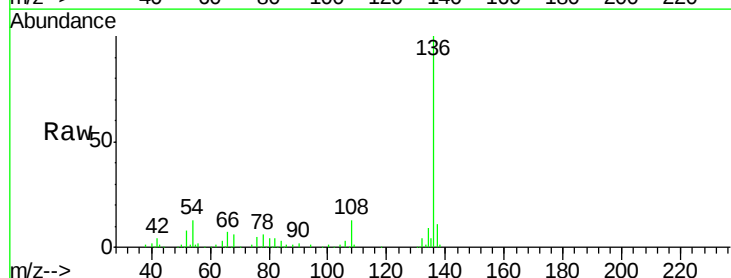
Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 12.8 11.6 17.4

68 5.9 5.0 7.4

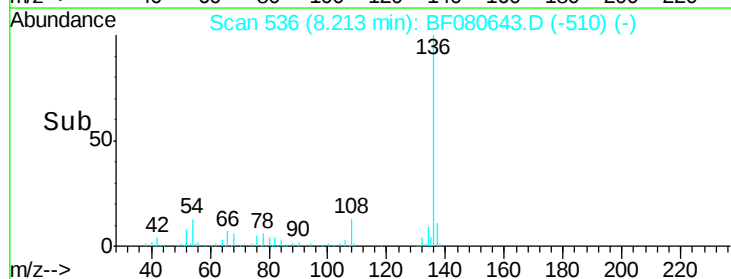
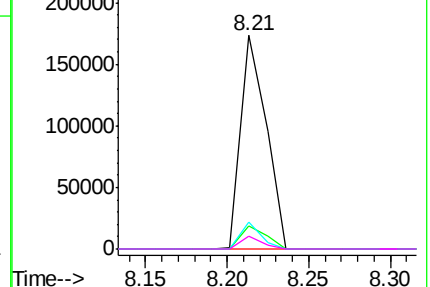


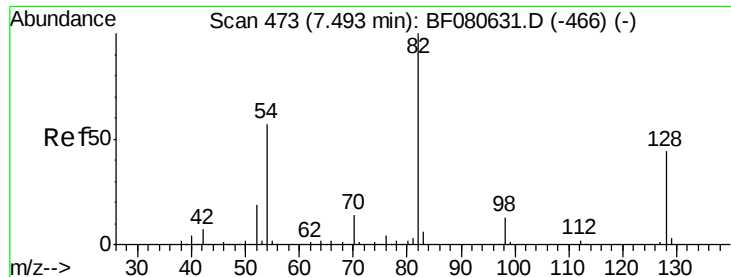
Abundance Ion 136.00 (135.70 to 136.70): E

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

Instrument :

BNA_F

ClientSampled :

SOIL-2

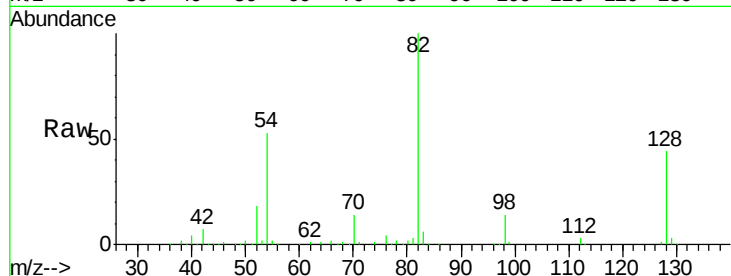
Tgt Ion: 82 Resp: 300592

Ion Ratio Lower Upper

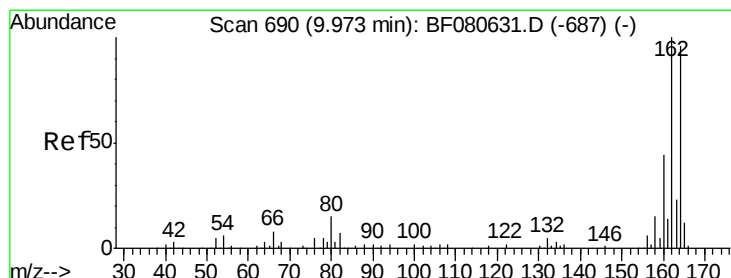
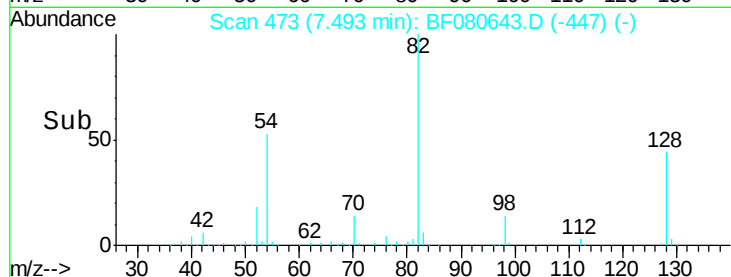
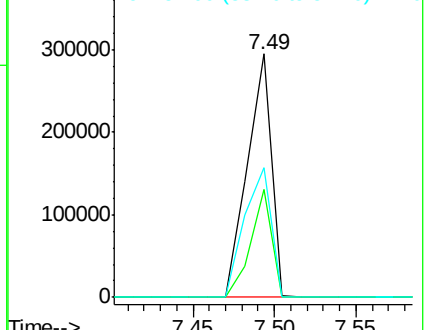
82 100

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



#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

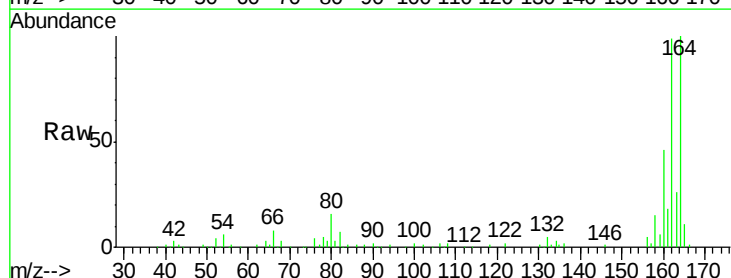
Tgt Ion: 164 Resp: 102454

Ion Ratio Lower Upper

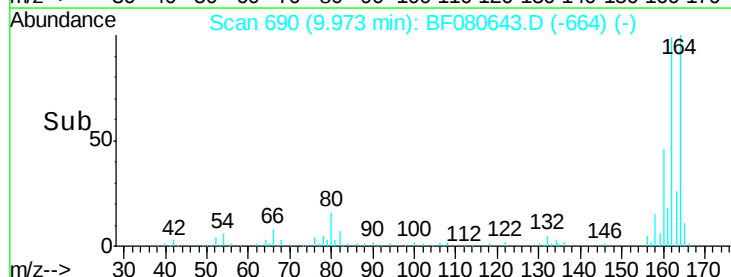
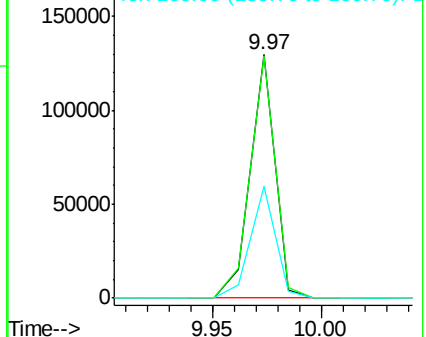
164 100

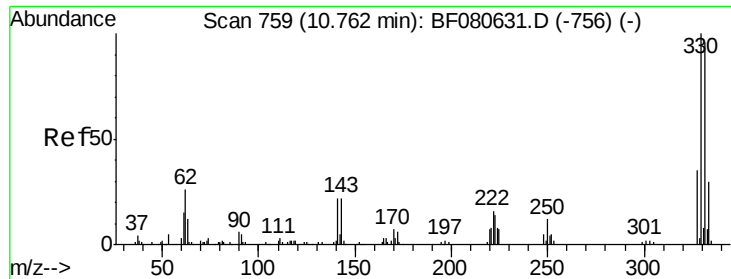
162 99.4 83.3 124.9

160 45.7 36.9 55.3



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

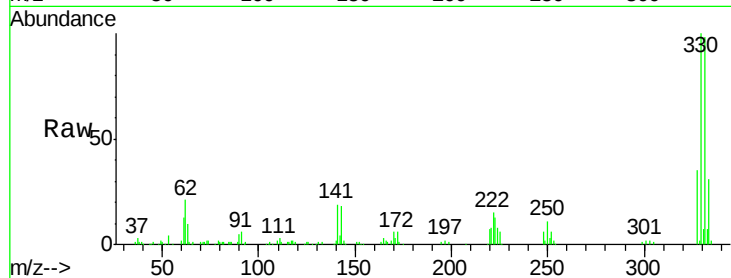




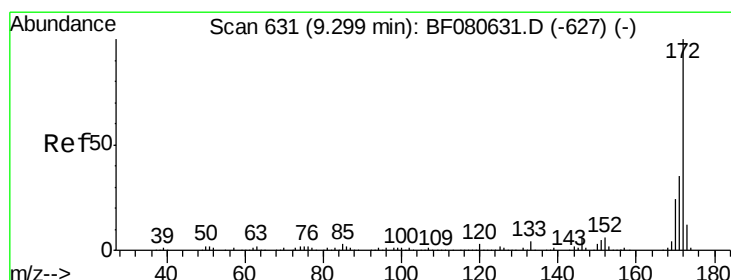
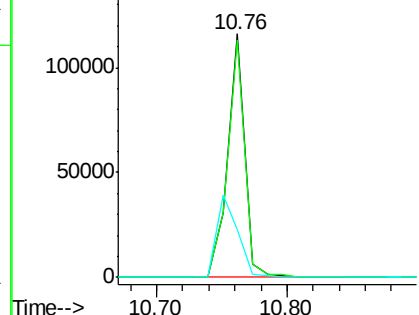
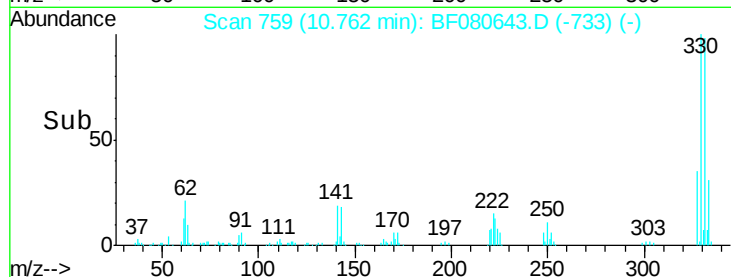
#41
 2,4,6-Tribromophenol
 Concen: 116.27 ng
 RT: 10.76 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BF080643.D
 Acq: 24 Jul 2015 23:45

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

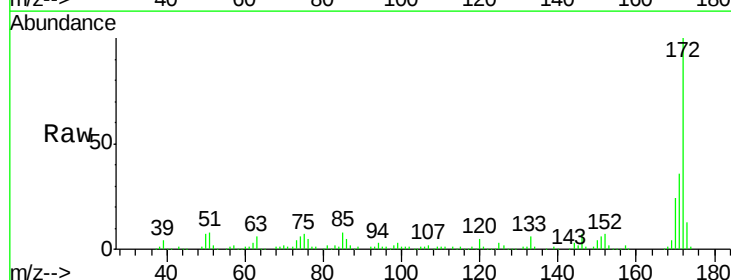


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

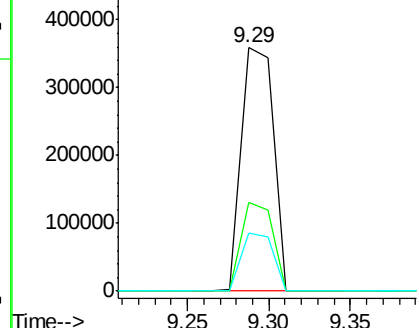
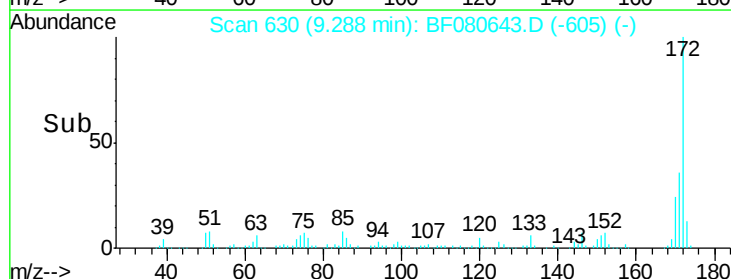


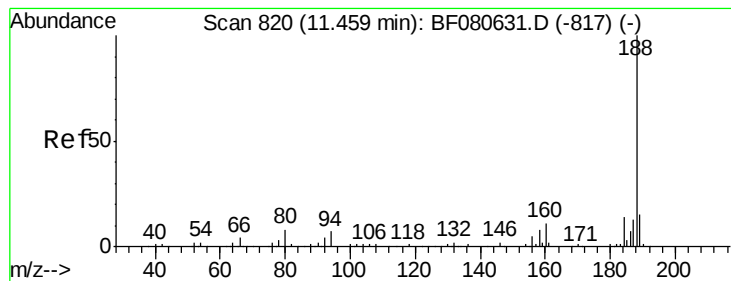
#44
 2-Fluorobiphenyl
 Concen: 72.99 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF080643.D
 Acq: 24 Jul 2015 23:45

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





#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

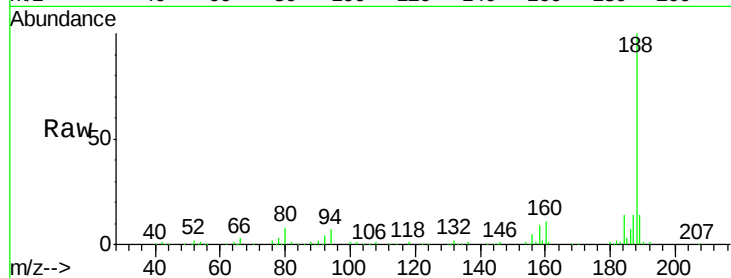
Tgt Ion:188 Resp: 182116

Ion Ratio Lower Upper

188 100

94 7.3 5.6 8.4

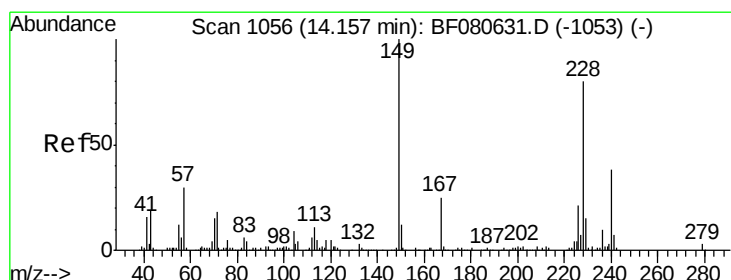
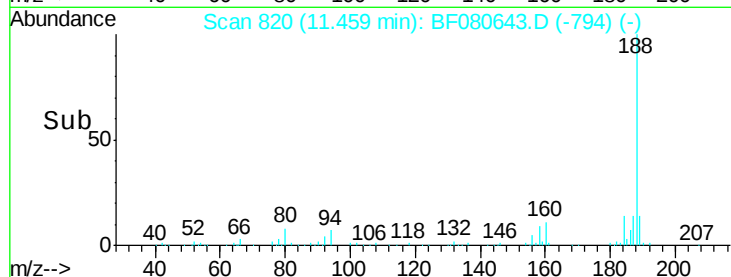
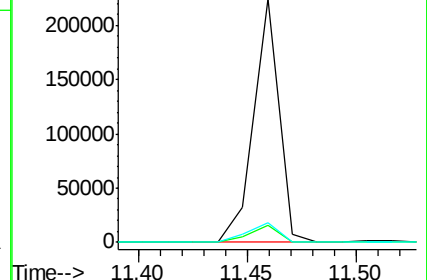
80 8.0 6.1 9.1



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



#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

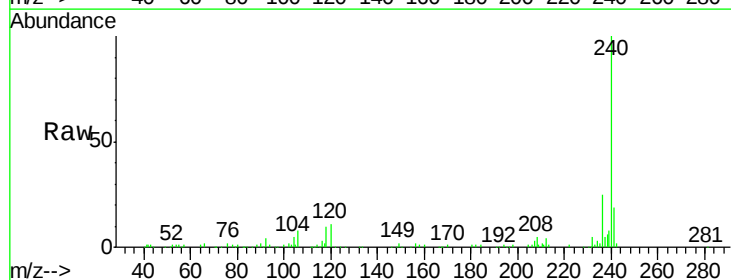
Tgt Ion:240 Resp: 148467

Ion Ratio Lower Upper

240 100

120 11.1 10.8 16.2

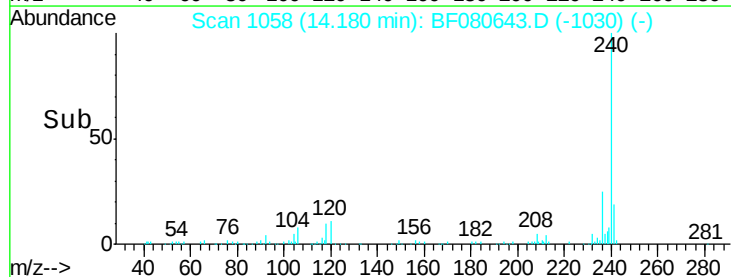
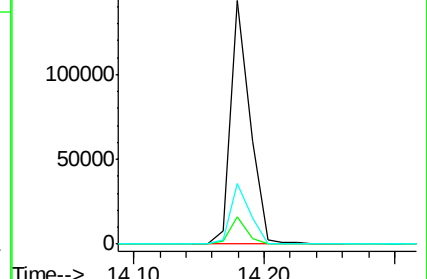
236 24.8 20.3 30.5

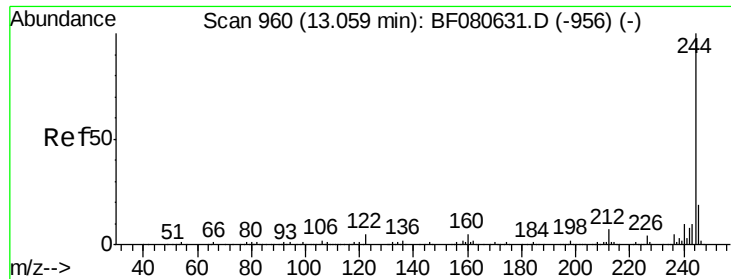


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

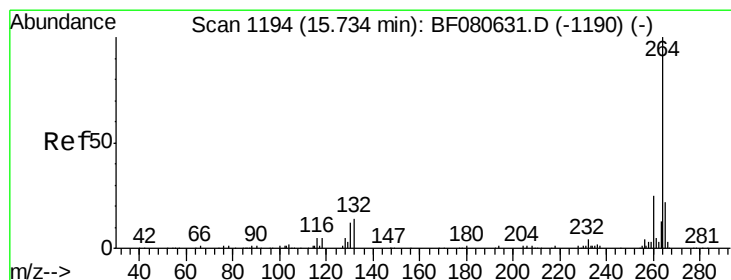
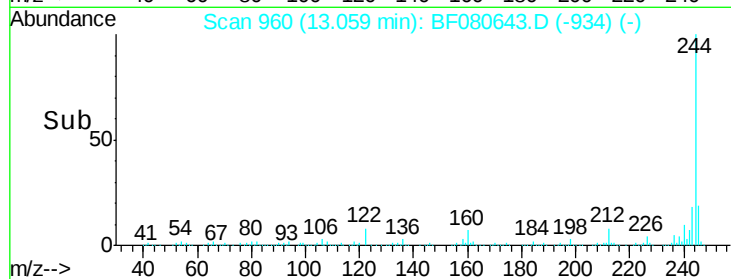
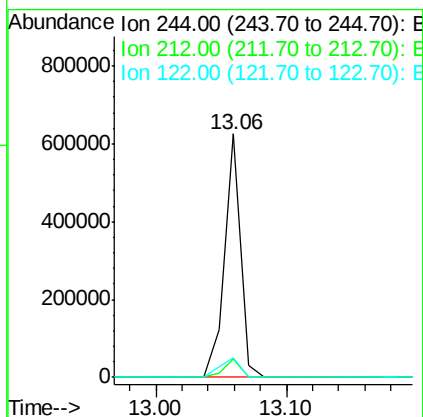
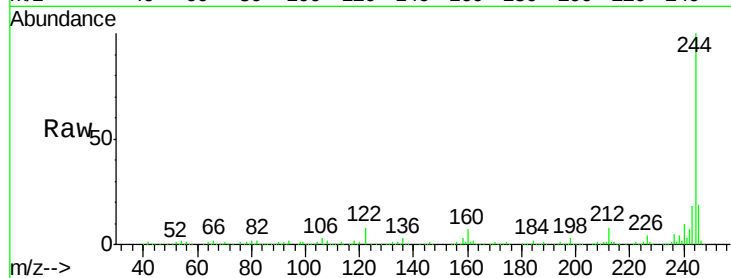




#78
 Terphenyl-d14
 Concen: 77.99 ng
 RT: 13.06 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: BF080643.D
 Acq: 24 Jul 2015 23:45

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

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#



#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

Tgt Ion:264 Resp: 125097
 Ion Ratio Lower Upper
 264 100
 260 22.6 20.1 30.1
 265 21.5 17.4 26.0

