

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
 Data File : BF091659.D
 Acq On : 16 Dec 2016 7:01
 Operator : UM/SJ
 Sample : H6029-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-02

Quant Time: Dec 16 07:34:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	184678	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	669554	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	337999	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	444668	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	388912	20.00	ng	-0.01
86) Perylene-d12	15.35	264	314470	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1443165	131.65	ng	0.02
7) Phenol-d6	6.43	99	1560612	114.20	ng	0.00
23) Nitrobenzene-d5	7.34	82	1300089	108.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	369011	131.44	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1845312	94.33	ng	0.00
78) Terphenyl-d14	12.89	244	1398301	81.59	ng	-0.01

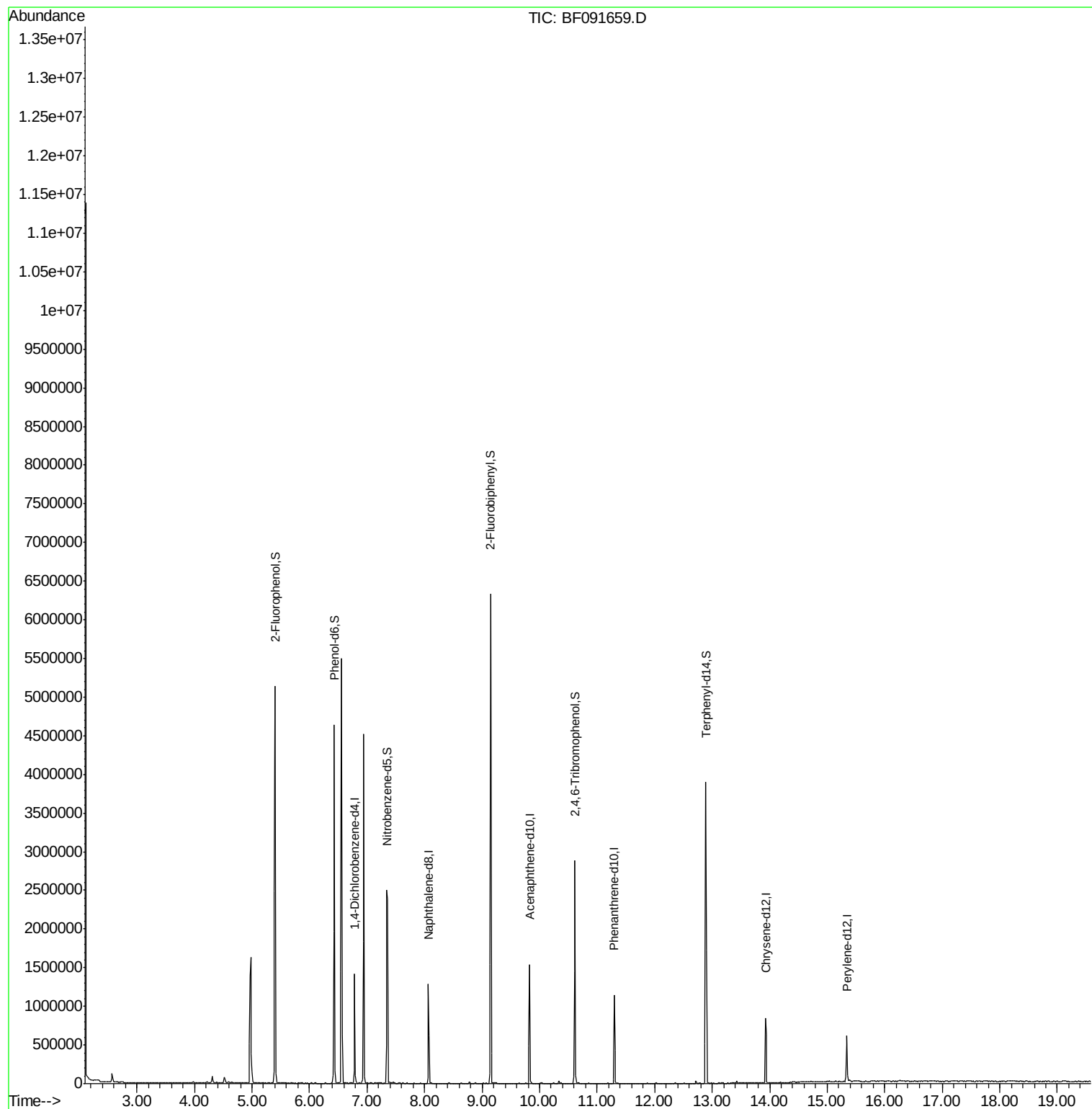
Target Compounds Qvalue

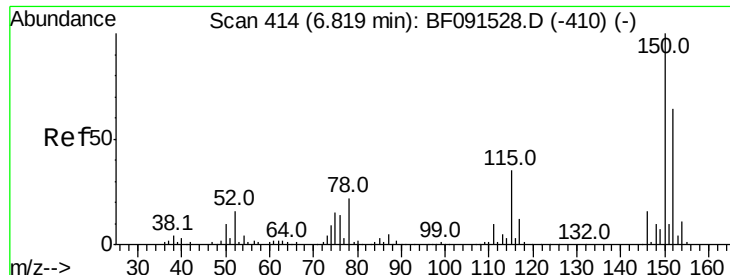
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

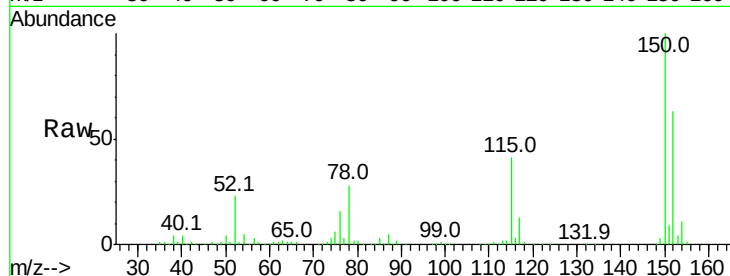
Tot Ion:152 Resp: 184678

Ion Ratio Lower Upper

152 100

150 157.7 122.5 183.7

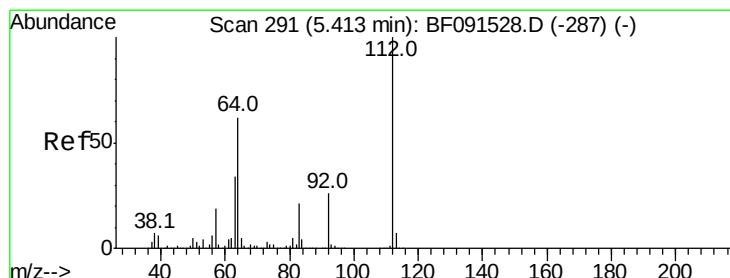
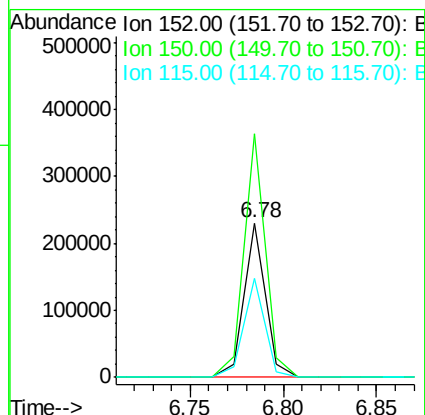
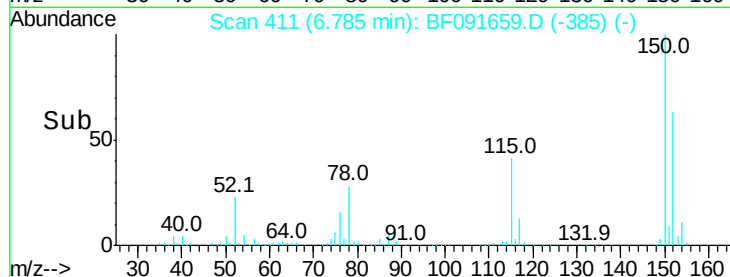
115 63.9 51.8 77.8



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: 131.65 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

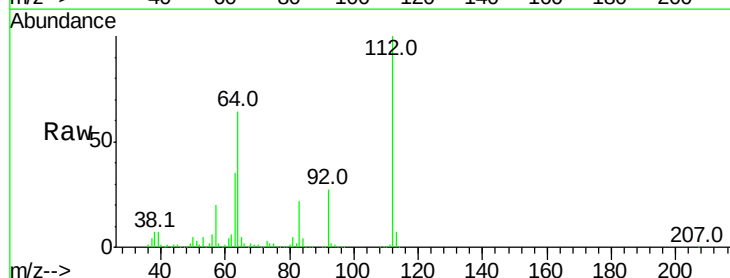
Tgt Ion:112 Resp: 1443165

Ion Ratio Lower Upper

112 100

64 64.1 61.5 92.3

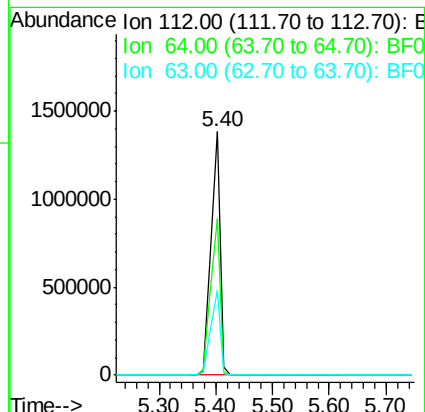
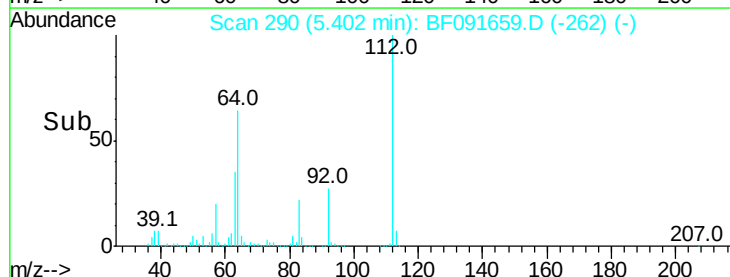
63 34.7 33.3 49.9

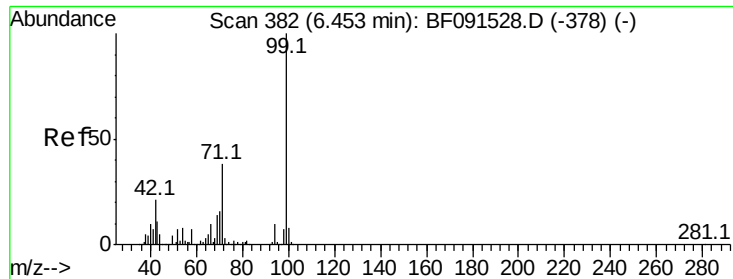


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.20 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

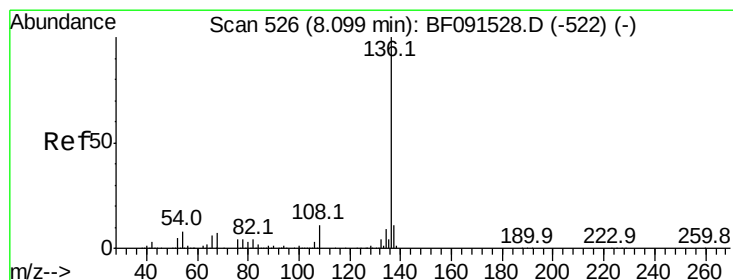
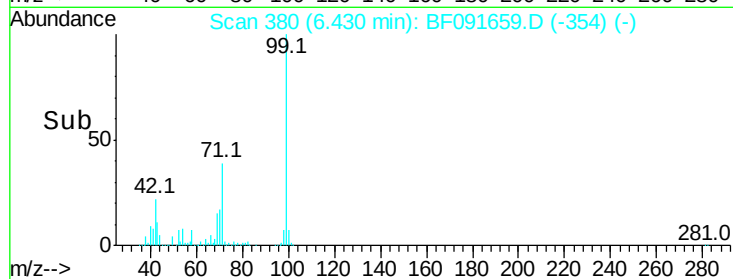
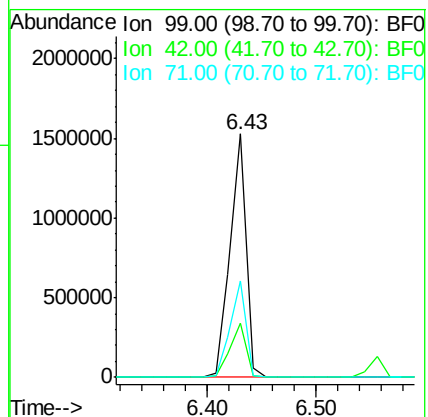
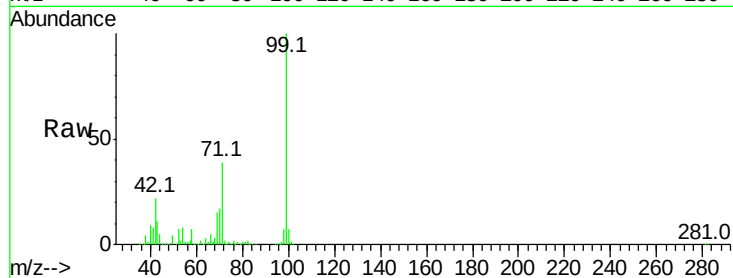
Tot Ion: 99 Resp: 1560612

Ion Ratio Lower Upper

99 100

42 22.1 20.6 31.0

71 39.4 29.9 44.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Tgt Ion: 136 Resp: 669554

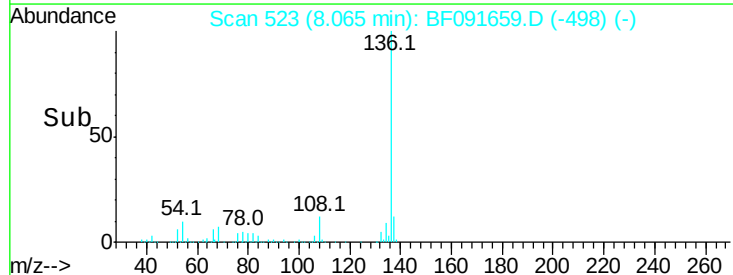
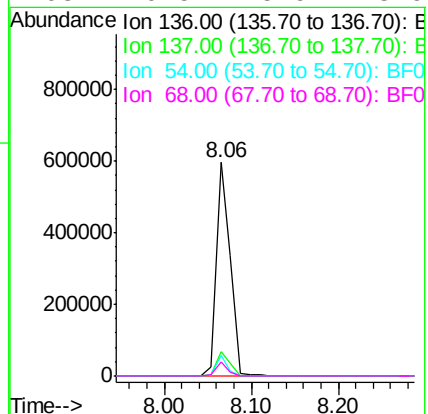
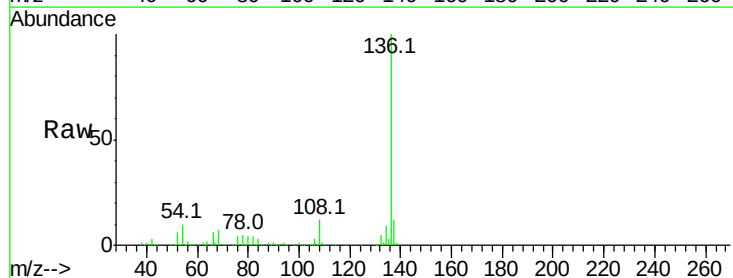
Ion Ratio Lower Upper

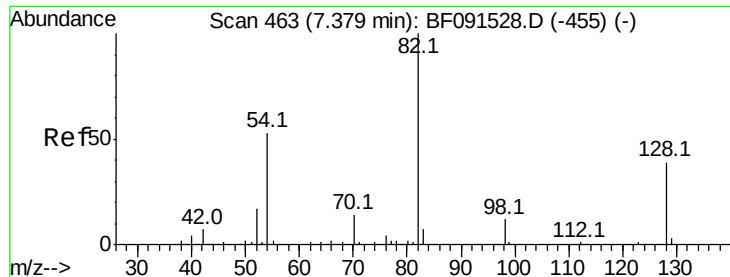
136 100

137 11.5 9.1 13.7

54 9.6 9.1 13.7

68 6.5 5.9 8.9

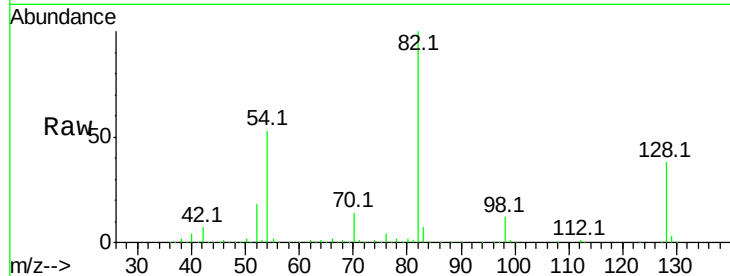




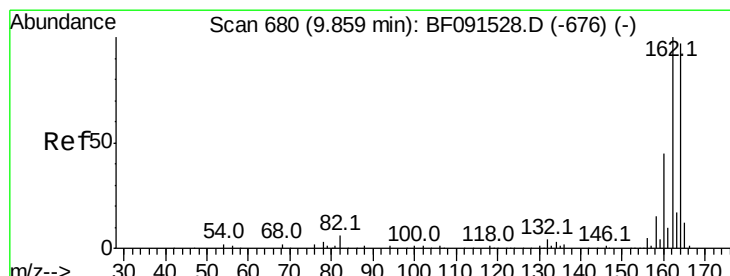
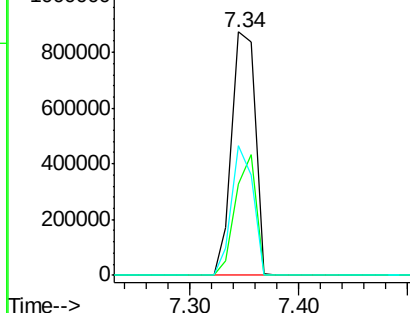
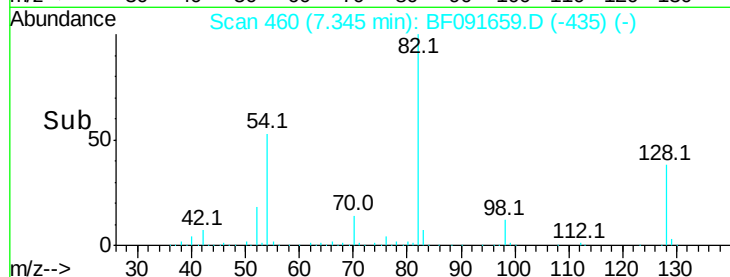
#23
Nitrobenzene-d5
Concen: 108.37 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-02

Tot Ion: 82 Resp: 1300089
Ion Ratio Lower Upper
82 100
128 37.7 31.8 47.6
54 53.3 49.1 73.7

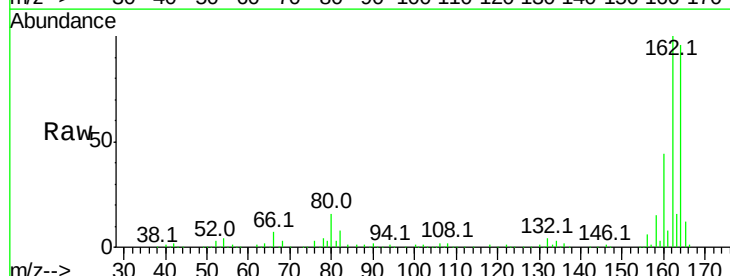


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

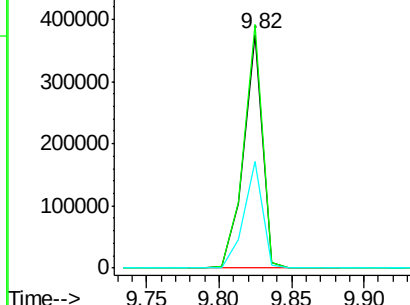
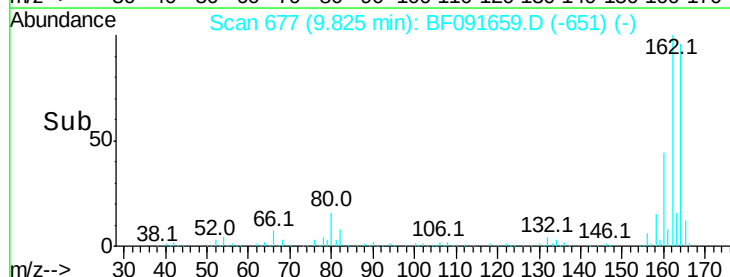


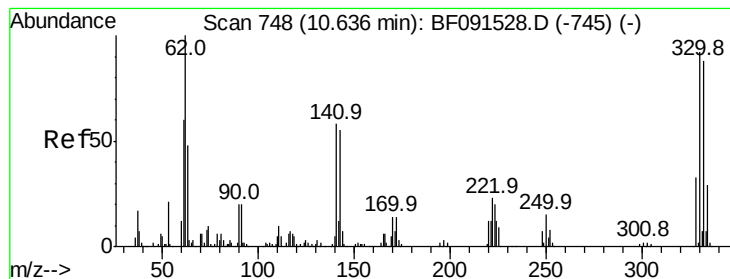
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

Tgt Ion:164 Resp: 337999
Ion Ratio Lower Upper
164 100
162 104.1 82.6 124.0
160 45.6 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: 131.44 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

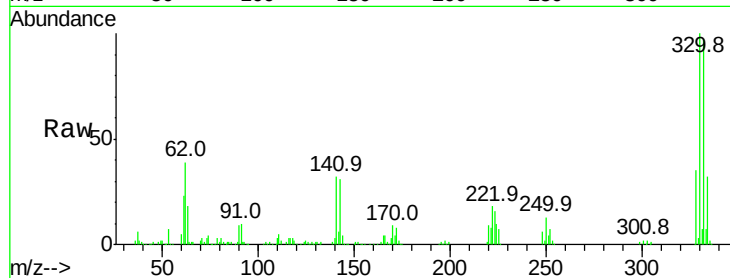
Tot Ion:330 Resp: 369011

Ion Ratio Lower Upper

330 100

332 95.5 76.2 114.4

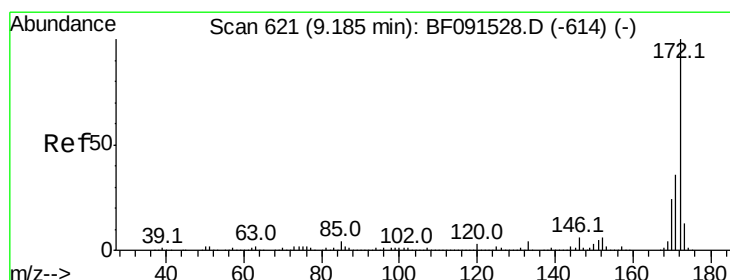
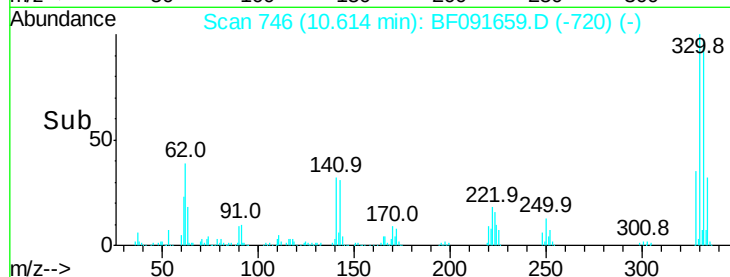
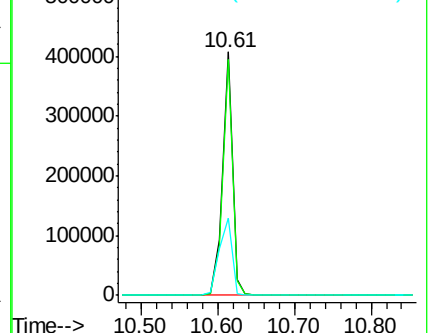
141 40.4 33.6 50.4



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: 94.33 ng

RT: 9.15 min Scan# 618

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

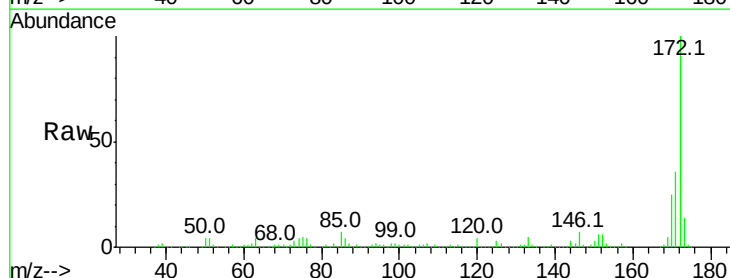
Tgt Ion:172 Resp: 1845312

Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.0

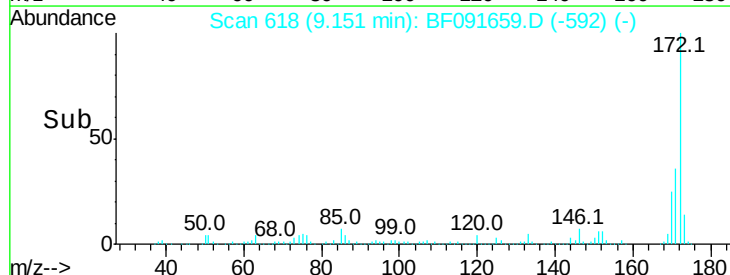
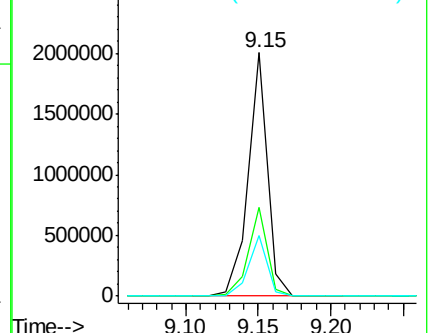
170 24.6 19.7 29.5

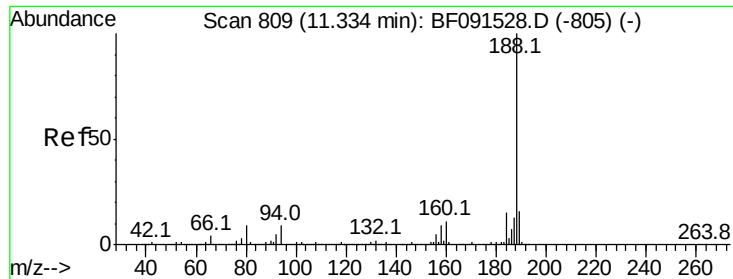


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

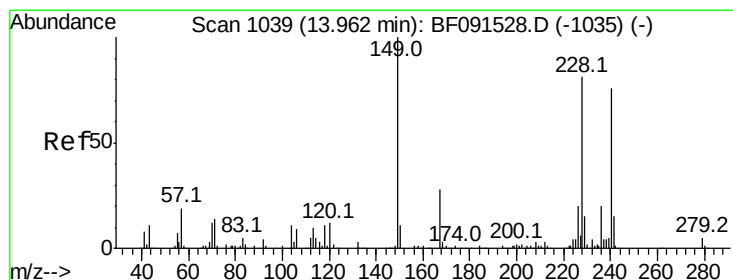
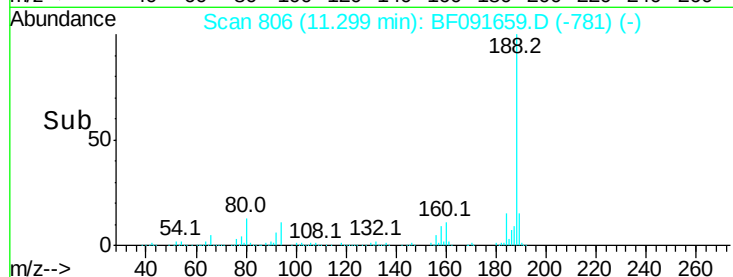
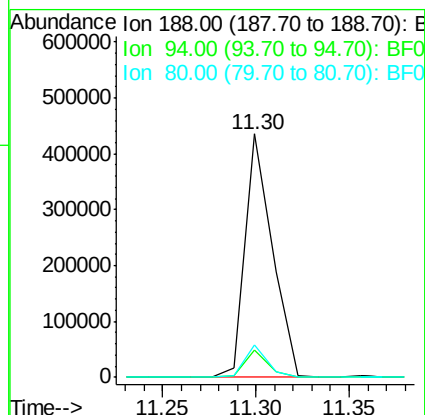
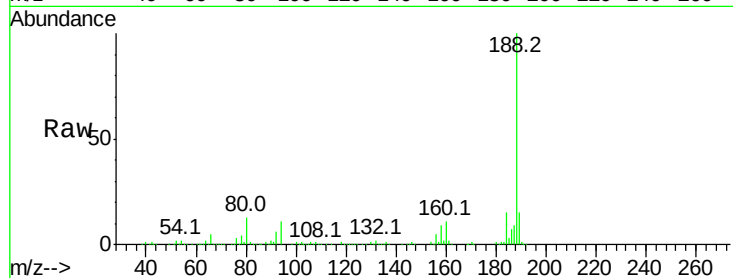




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

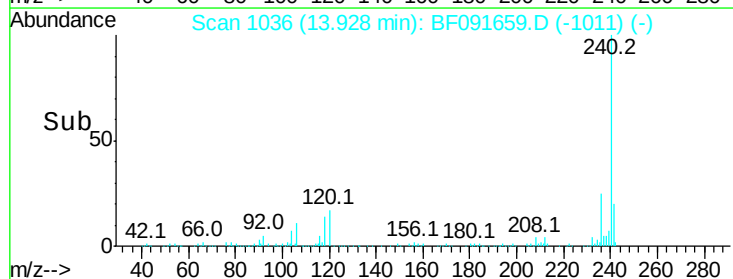
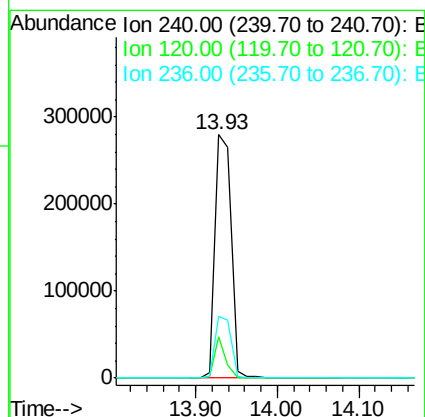
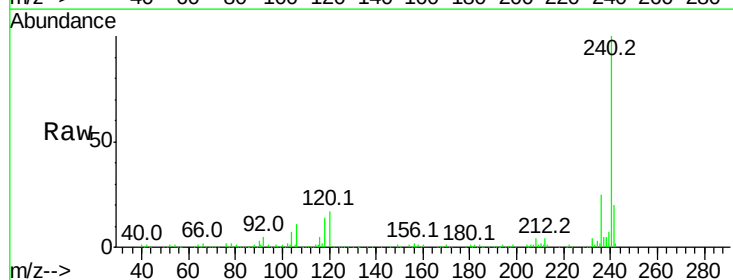
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-02

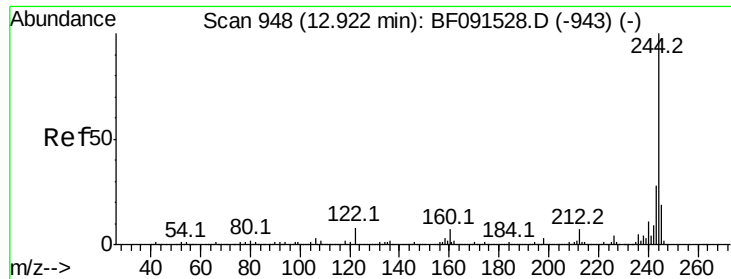
Tot Ion:188 Resp: 444668
Ion Ratio Lower Upper
188 100
94 11.2 9.2 13.8
80 13.2 10.5 15.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF091659.D
Acq: 16 Dec 2016 7:01

Tgt Ion:240 Resp: 388912
Ion Ratio Lower Upper
240 100
120 16.9 12.1 18.1
236 25.3 21.0 31.6





#78

Terphenyl-d14

Concen: 81.59 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

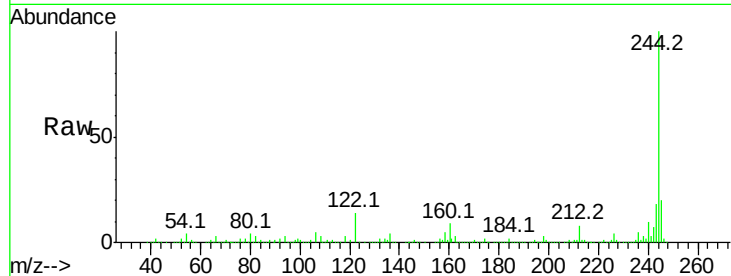
Tot Ion:244 Resp: 1398301

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

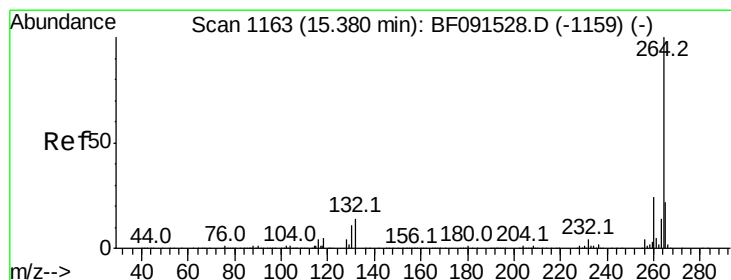
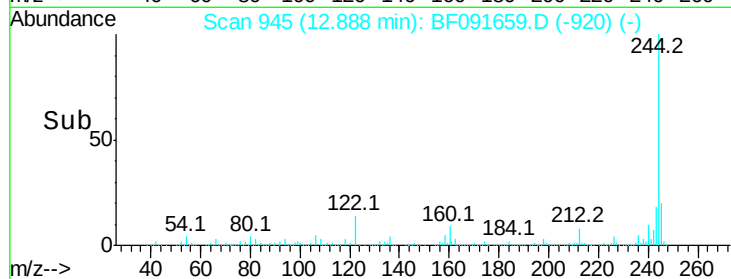
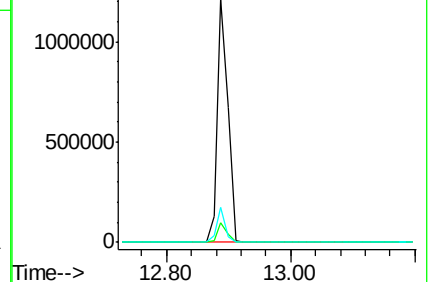
122 14.5 9.5 14.3#



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: 15.35 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BF091659.D

Acq: 16 Dec 2016 7:01

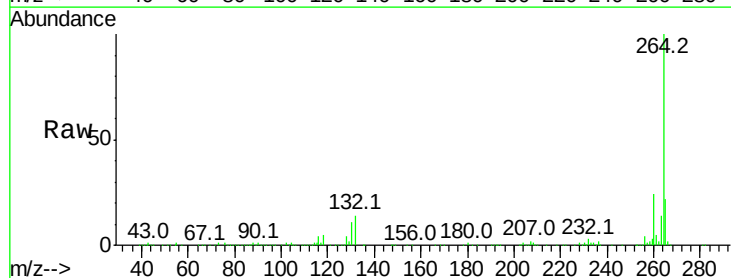
Tgt Ion:264 Resp: 314470

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 21.7 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

