

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
 Data File : BF091660.D
 Acq On : 16 Dec 2016 7:28
 Operator : UM/SJ
 Sample : H6035-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Dec 16 16:38:15 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

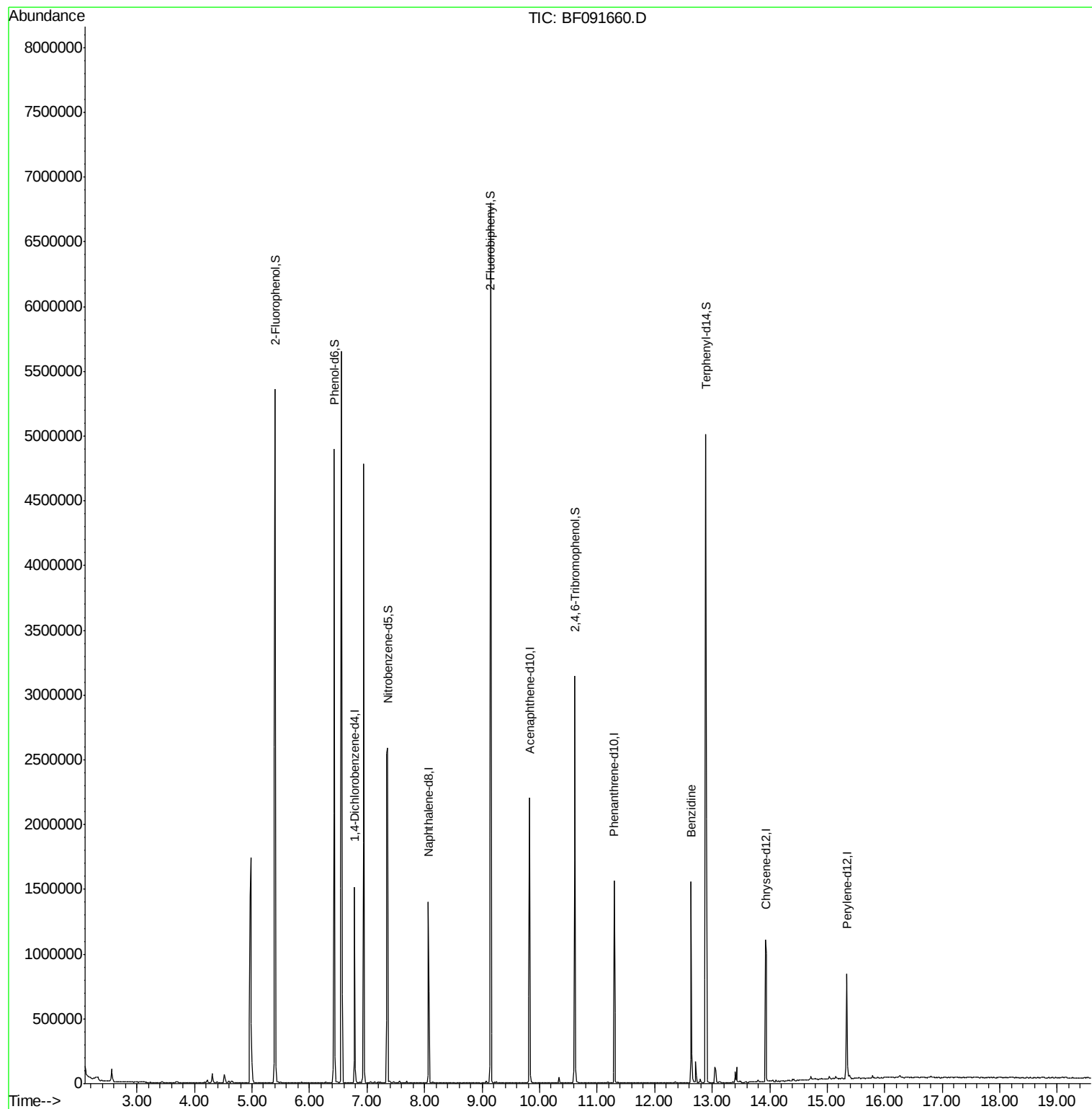
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	199761	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	743647	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	483558	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	596396	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	550077	20.00	ng	0.00
86) Perylene-d12	15.35	264	440310	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1511687	127.49	ng	0.02
7) Phenol-d6	6.43	99	1666994	112.77	ng	0.00
23) Nitrobenzene-d5	7.36	82	1361576	102.19	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	419053	104.34	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2023313	72.30	ng	0.00
78) Terphenyl-d14	12.89	244	1806236	74.51	ng	-0.01
Target Compounds						
76) Benzidine	12.64	184	577206	33.94	ng	Qvalue 97

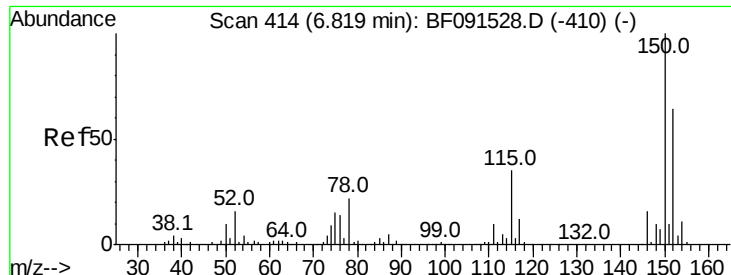
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
Data File : BF091660.D
Acq On : 16 Dec 2016 7:28
Operator : UM/SJ
Sample : H6035-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Quant Time: Dec 16 16:38:15 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

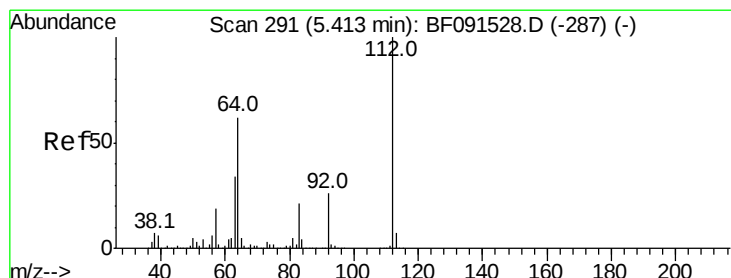
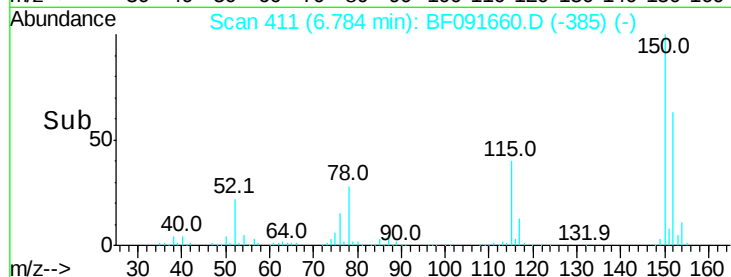
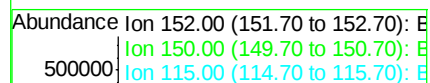
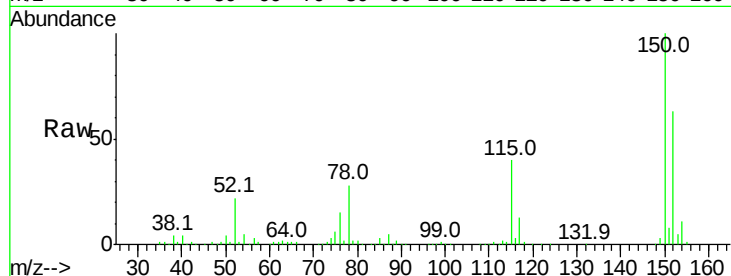
Tot Ion:152 Resp: 199761

Ion Ratio Lower Upper

152 100

150 158.2 122.5 183.7

115 62.8 51.8 77.8



#5

2-Fluorophenol

Concen: 127.49 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

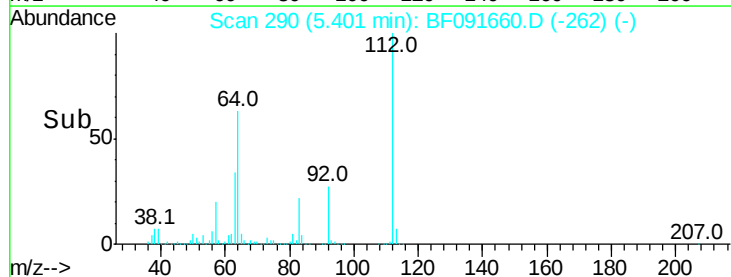
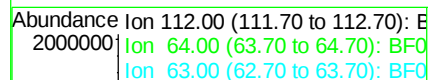
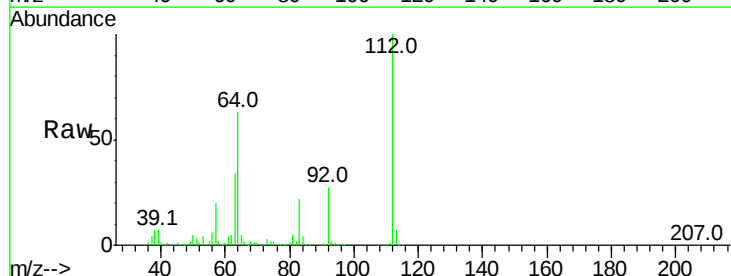
Tgt Ion:112 Resp: 1511687

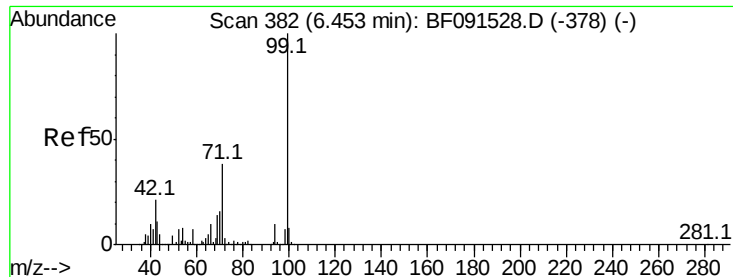
Ion Ratio Lower Upper

112 100

64 63.0 61.5 92.3

63 34.2 33.3 49.9





#7

Phenol-d6

Concen: 112.77 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

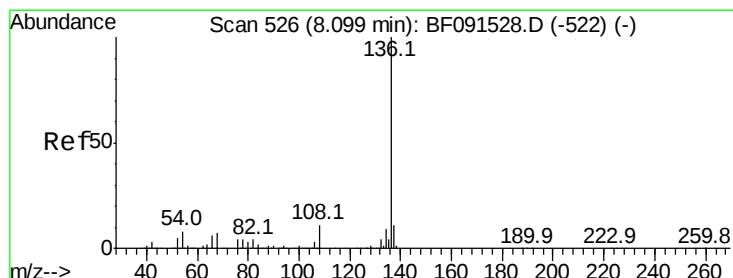
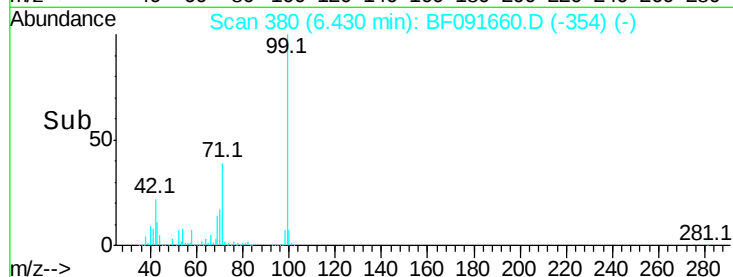
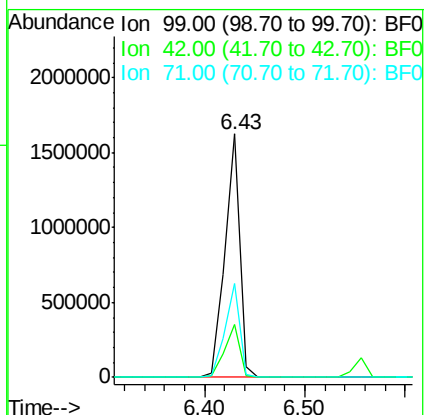
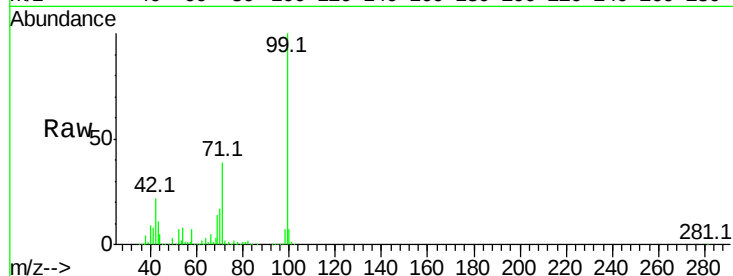
Tot Ion: 99 Resp: 1666994

Ion Ratio Lower Upper

99 100

42 21.8 20.6 31.0

71 38.6 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: BF091660.D

Acq: 16 Dec 2016 7:28

Tgt Ion: 136 Resp: 743647

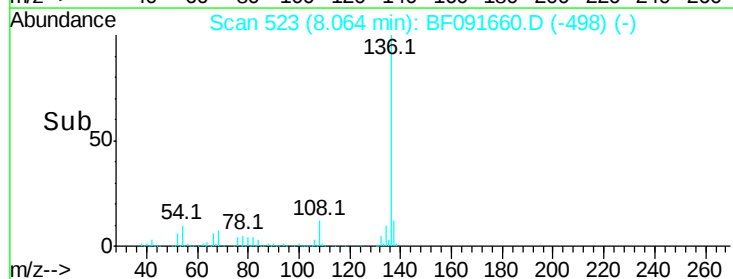
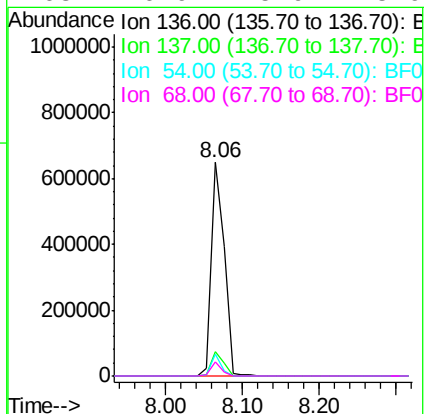
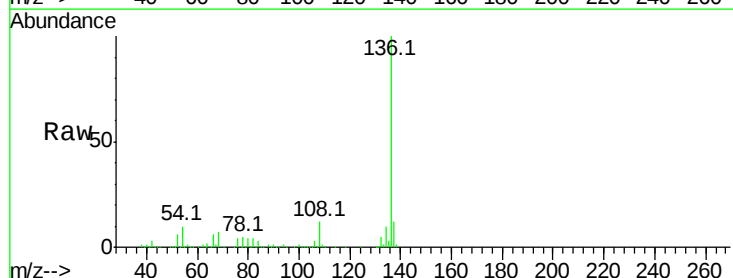
Ion Ratio Lower Upper

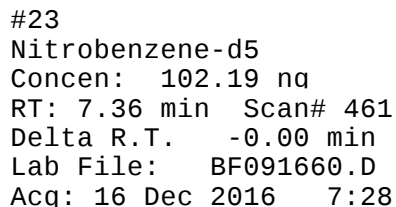
136 100

137 11.6 9.1 13.7

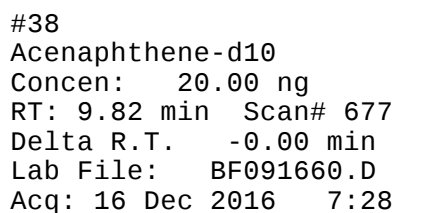
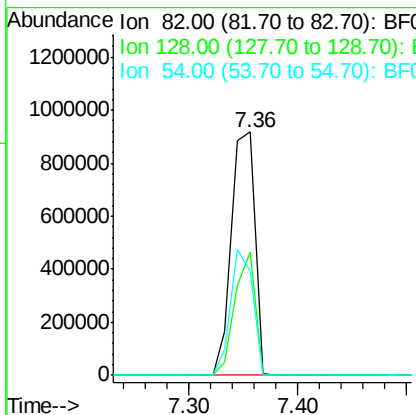
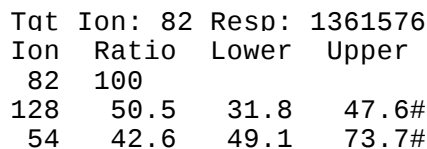
54 10.0 9.1 13.7

68 6.9 5.9 8.9

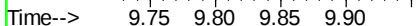
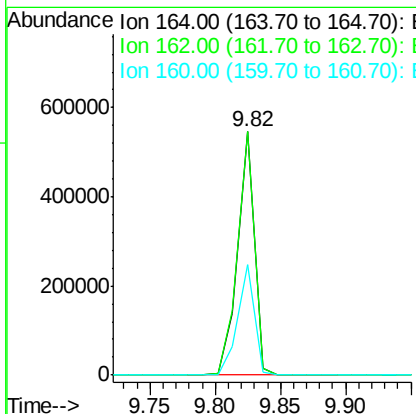


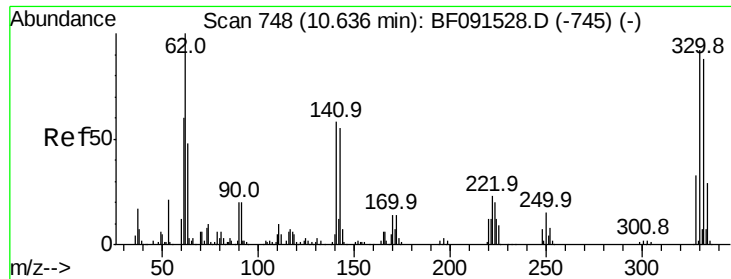


Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS



Tgt	Ion:164	Resp:	483558
Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.6	124.0
160	45.2	36.7	55.1

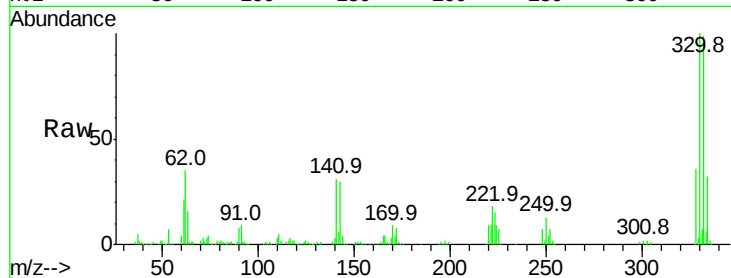




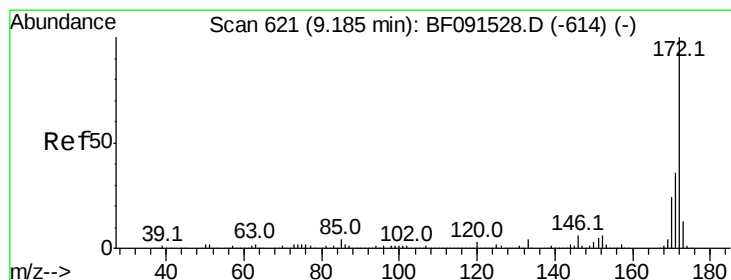
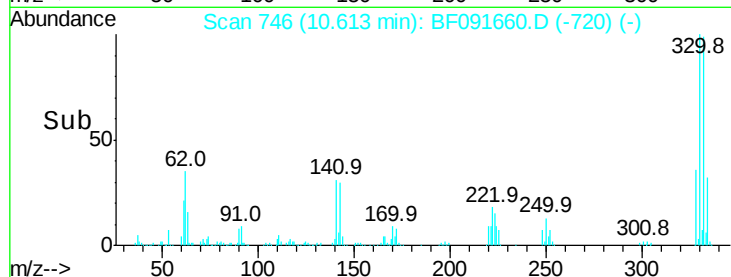
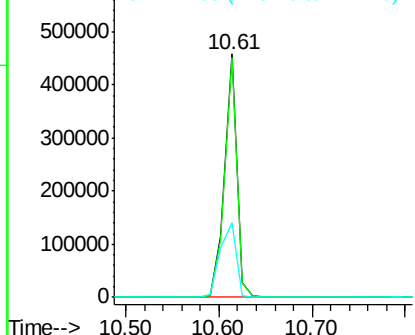
#41
 2,4,6-Tribromophenol
 Concen: 104.34 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: BF091660.D
 Acq: 16 Dec 2016 7:28

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion:330 Resp: 419053
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.2 114.4
 141 40.0 33.6 50.4

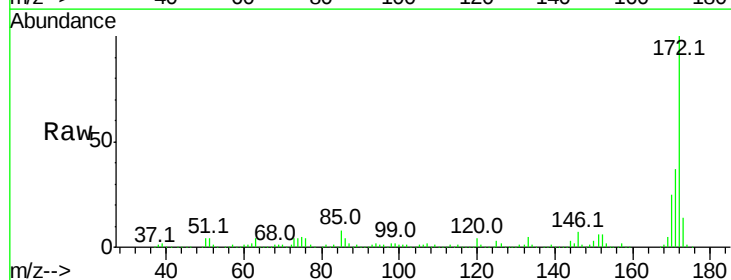


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

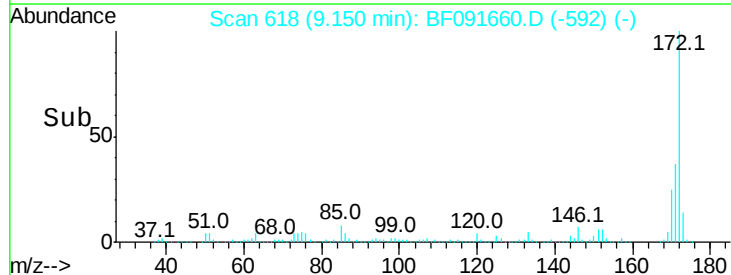
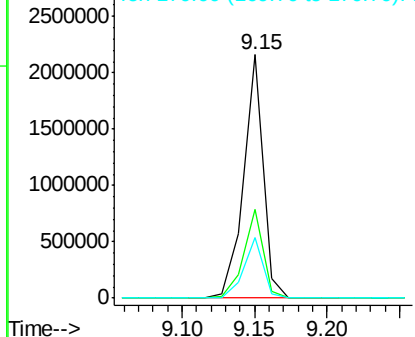


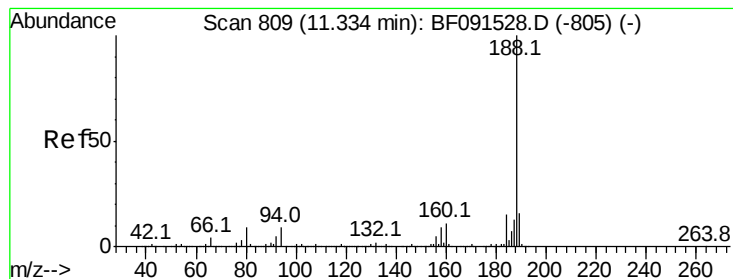
#44
 2-Fluorobiphenyl
 Concen: 72.30 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF091660.D
 Acq: 16 Dec 2016 7:28

Tgt Ion:172 Resp: 2023313
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.9 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: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

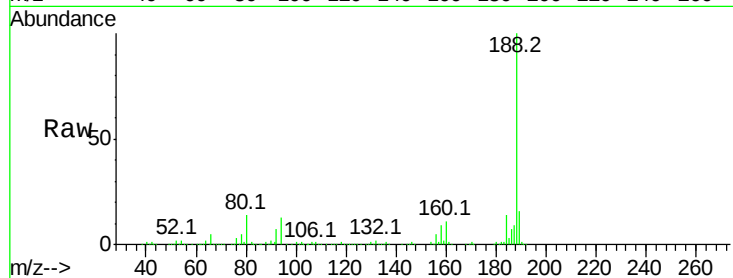
Tot Ion:188 Resp: 596396

Ion Ratio Lower Upper

188 100

94 12.5 9.2 13.8

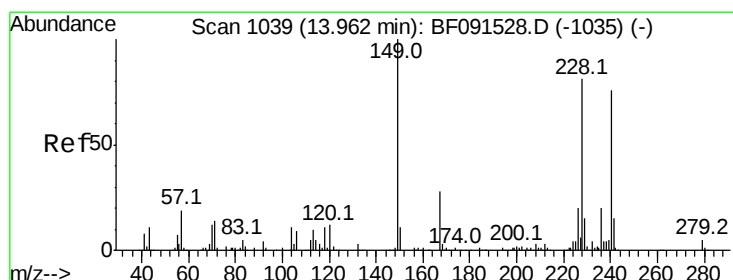
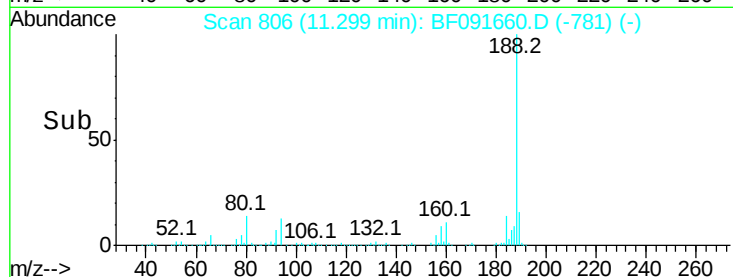
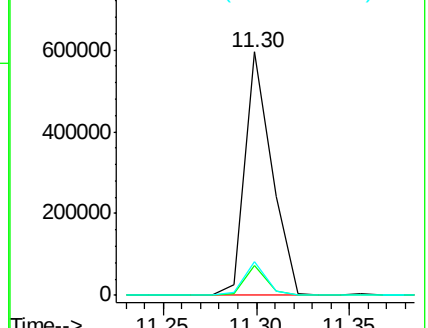
80 14.0 10.5 15.7



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: 13.94 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

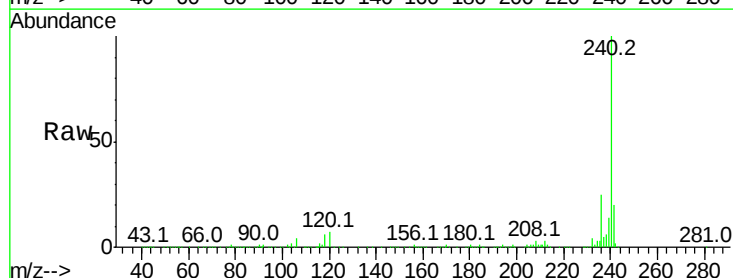
Tgt Ion:240 Resp: 550077

Ion Ratio Lower Upper

240 100

120 6.6 12.1 18.1#

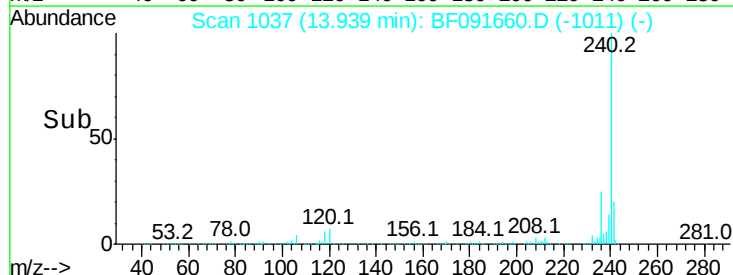
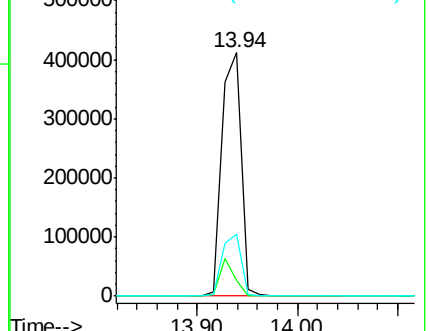
236 25.3 21.0 31.6

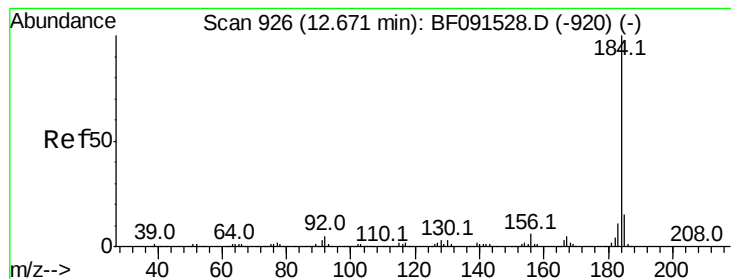


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 33.94 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

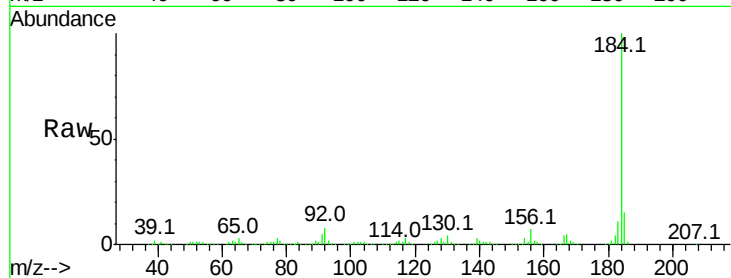
Tot Ion:184 Resp: 577206

Ion Ratio Lower Upper

184 100

185 14.7 13.1 19.7

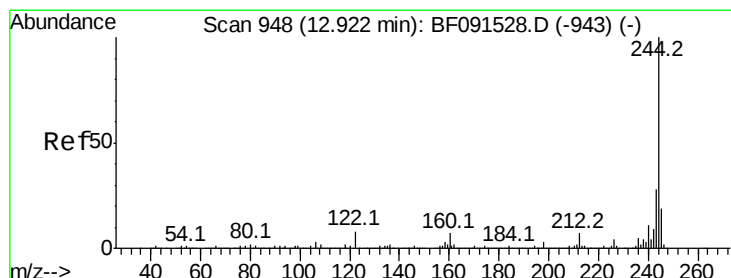
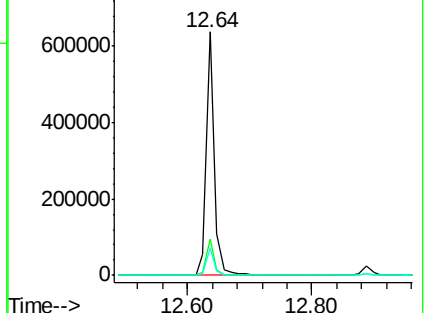
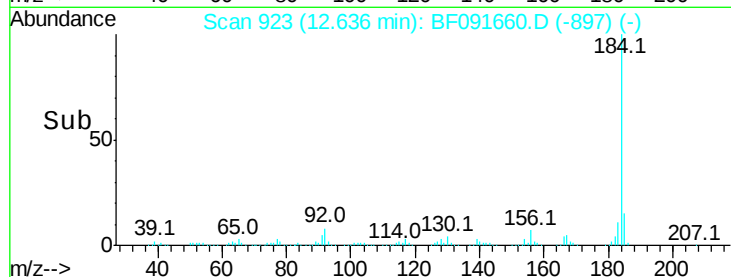
183 11.3 8.9 13.3



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: 74.51 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

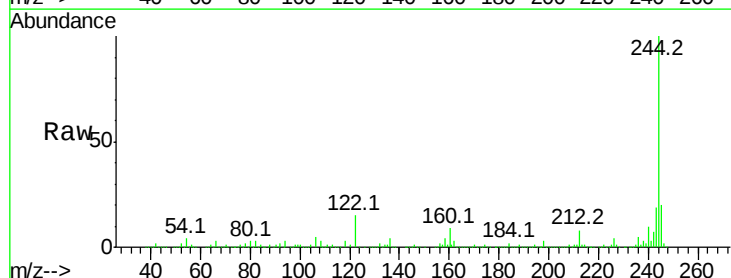
Tgt Ion:244 Resp: 1806236

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

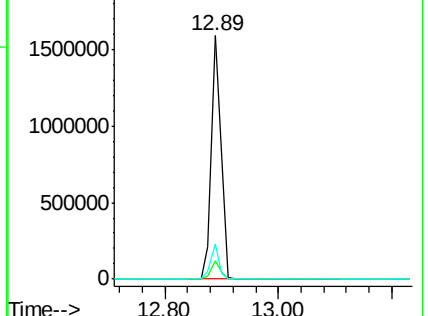
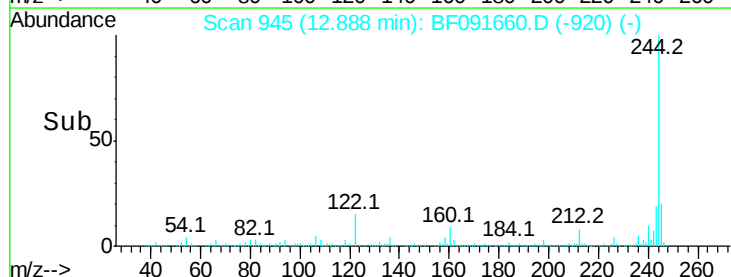
122 14.5 9.5 14.3#

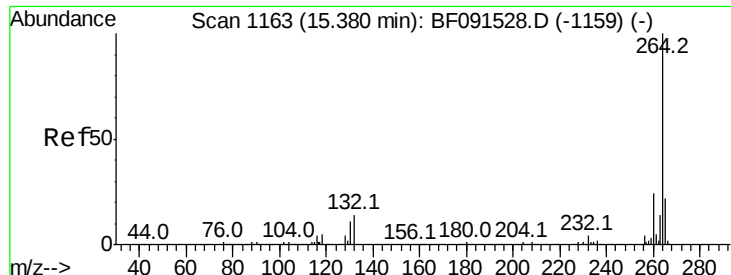


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

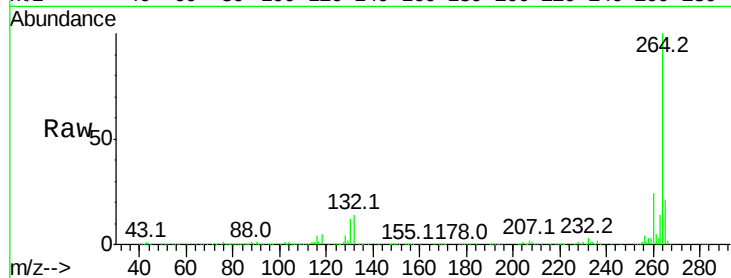




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF091660.D
Acq: 16 Dec 2016 7:28

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	20.9	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

