

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090913.D
 Acq On : 28 Oct 2016 17:32
 Operator : UM/SJ
 Sample : H5452-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTECLASS-SOIL-102616

Quant Time: Oct 28 18:56:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 15:18:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	146102	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	574888	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	321874	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	524084	20.00	ng	0.00
75) Chrysene-d12	13.92	240	450090	20.00	ng	-0.01
86) Perylene-d12	15.33	264	356795	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1184510	141.75	ng	0.01
7) Phenol-d6	6.41	99	1458401	129.36	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1121731	127.73	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	432365	130.71	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1736126	94.71	ng	-0.01
78) Terphenyl-d14	12.88	244	1852366	103.69	ng	0.00

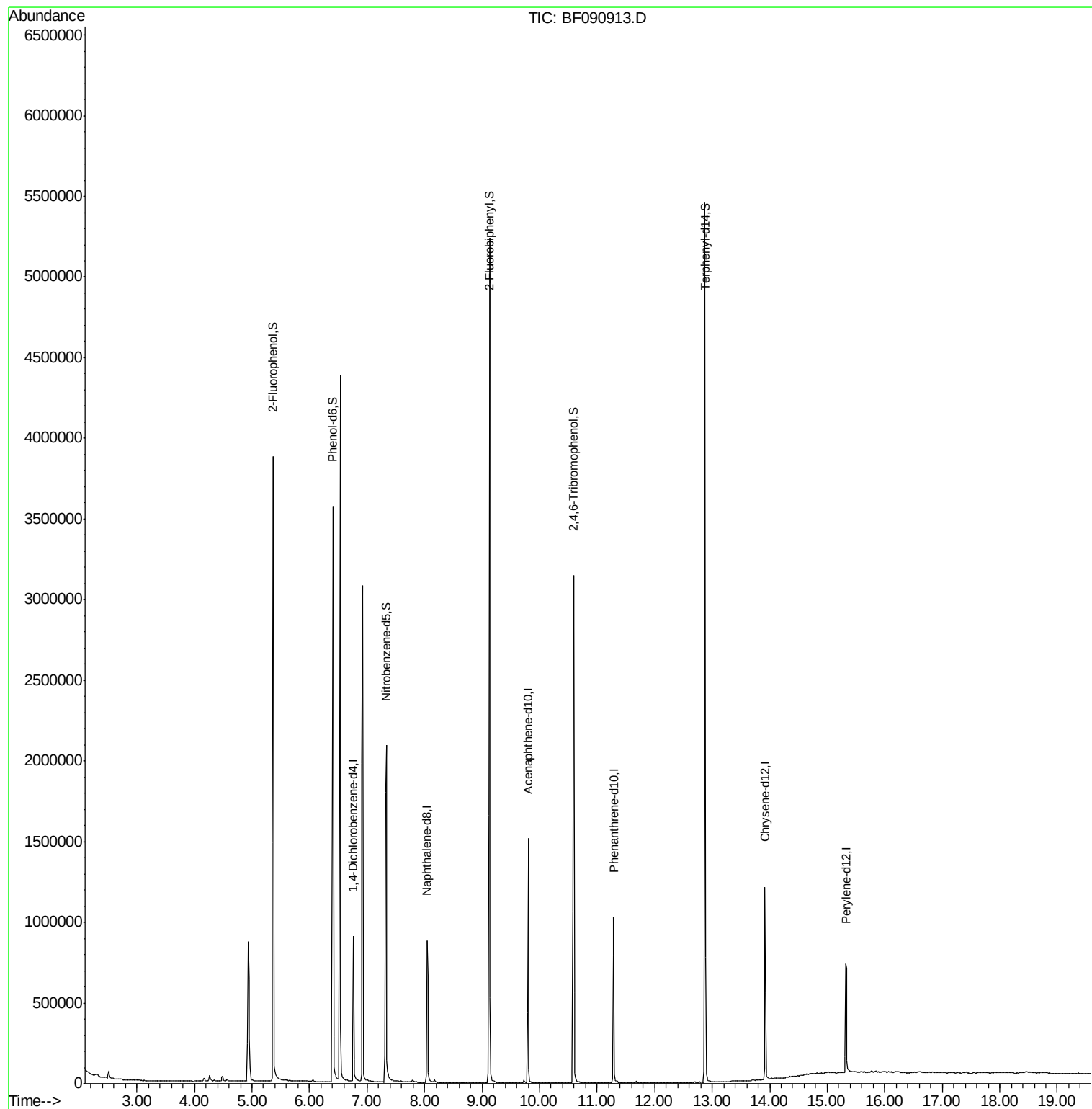
Target Compounds	Qvalue
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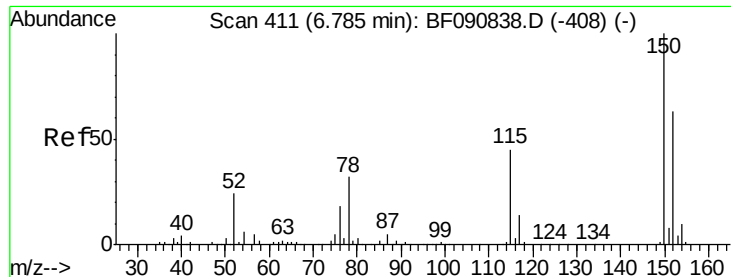
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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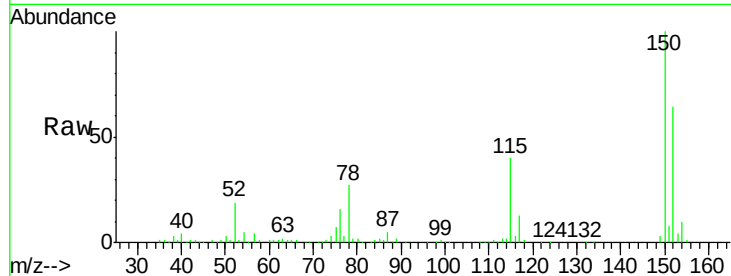


#1

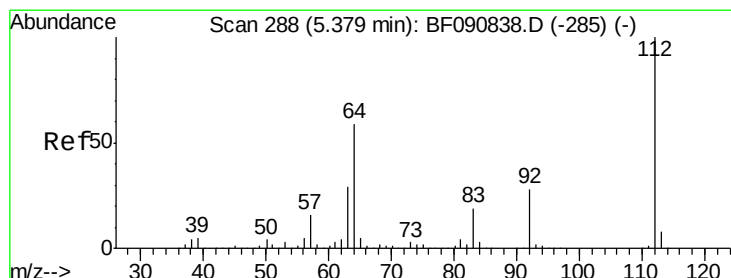
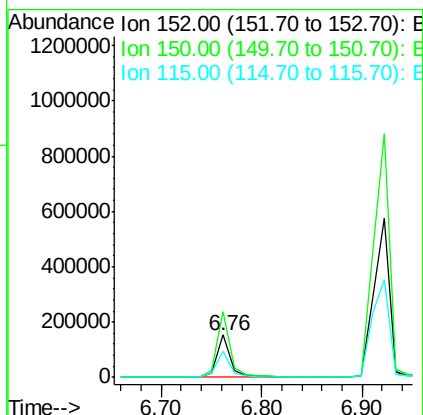
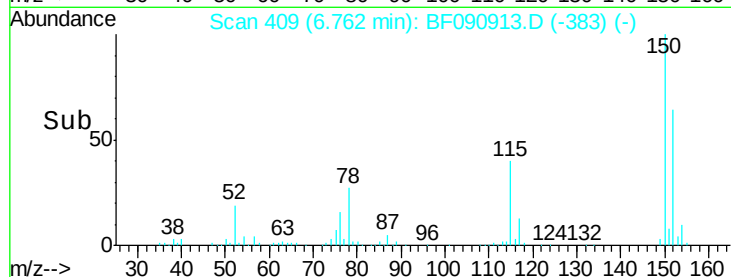
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. 0.00 min
Lab File: BF090913.D
Acq: 28 Oct 2016 17:32

Instrument :
BNA_F
ClientSampleId :
WASTECLASS-SOIL-102616

Tgt Ion:152 Resp: 146102
Ion Ratio Lower Upper
152 100
150 155.4 124.7 187.1
115 62.6 39.0 58.4#



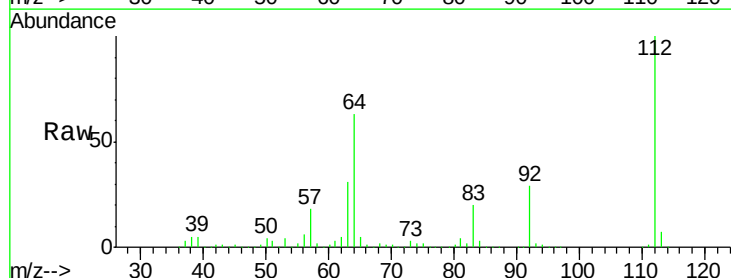
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



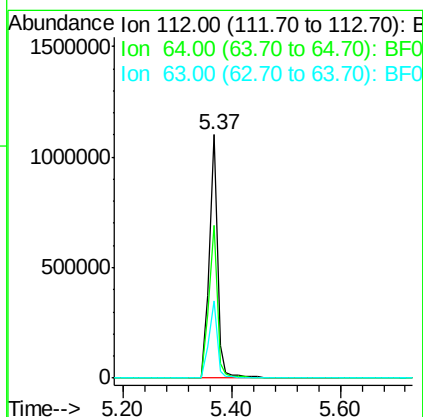
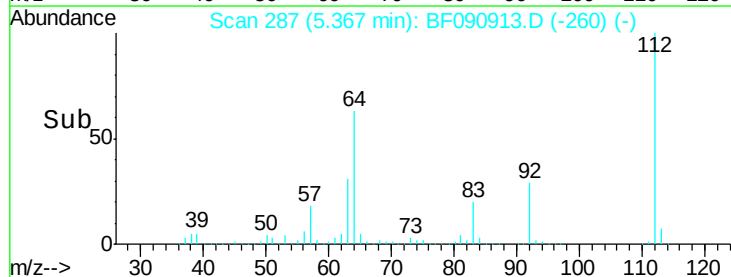
#5

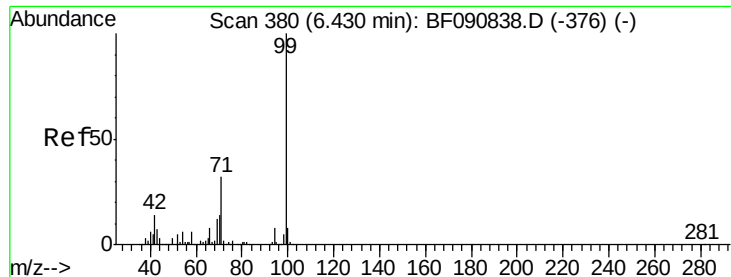
2-Fluorophenol
Concen: 141.75 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.01 min
Lab File: BF090913.D
Acq: 28 Oct 2016 17:32

Tgt Ion:112 Resp: 1184510
Ion Ratio Lower Upper
112 100
64 62.8 39.7 59.5#
63 31.5 17.4 26.0#



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: 129.36 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF090913.D

Acq: 28 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

WASTECLASS-SOIL-102616

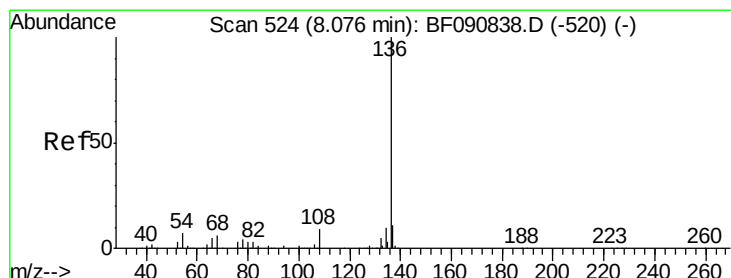
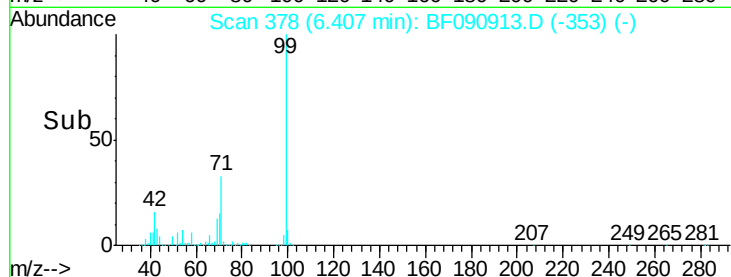
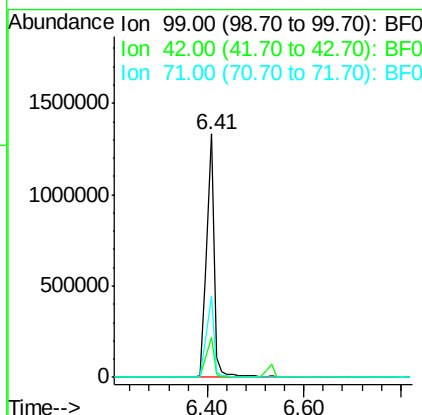
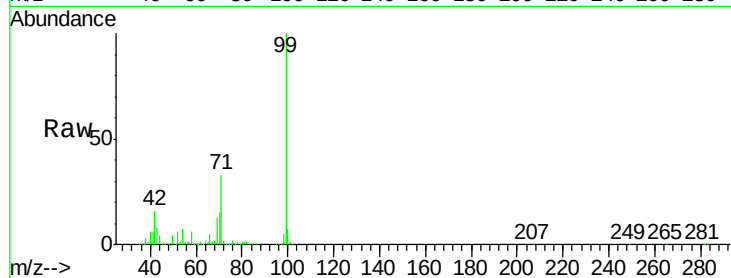
Tgt Ion: 99 Resp: 1458401

Ion Ratio Lower Upper

99 100

42 16.2 13.7 20.5

71 33.4 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF090913.D

Acq: 28 Oct 2016 17:32

Tgt Ion: 136 Resp: 574888

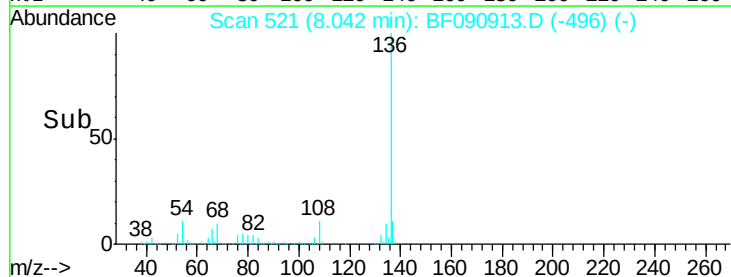
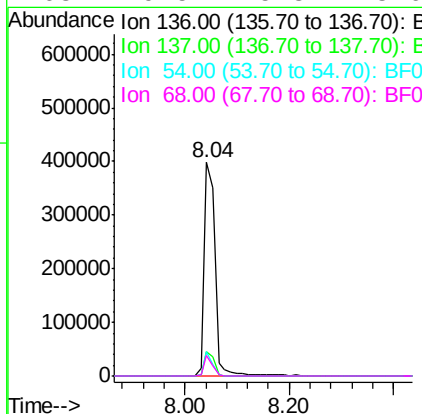
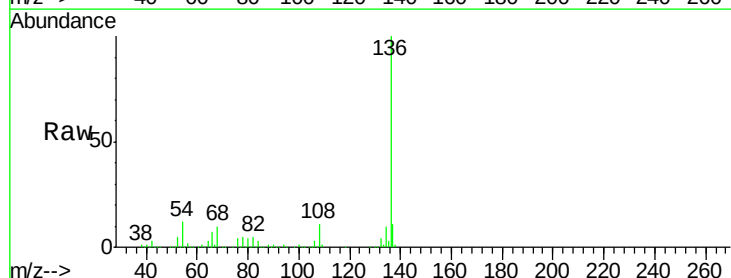
Ion Ratio Lower Upper

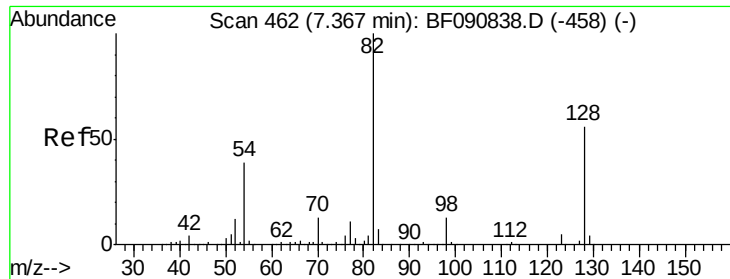
136 100

137 11.4 9.0 13.6

54 11.5 8.2 12.2

68 9.5 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 127.73 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF090913.D

Acq: 28 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

WASTECLASS-SOIL-102616

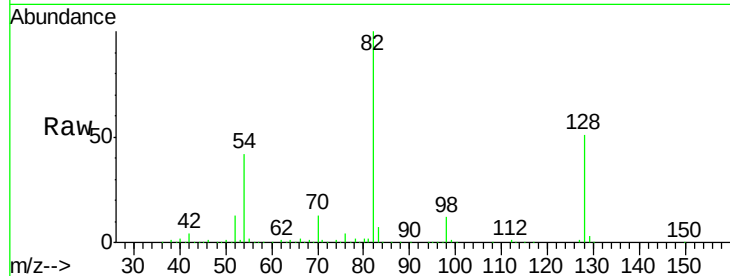
Tgt Ion: 82 Resp: 1121731

Ion Ratio Lower Upper

82 100

128 50.6 51.0 76.6#

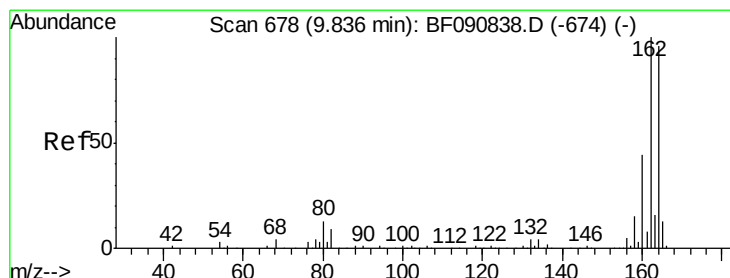
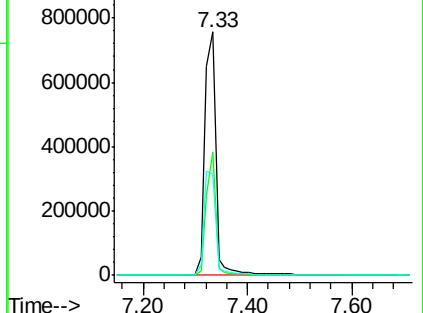
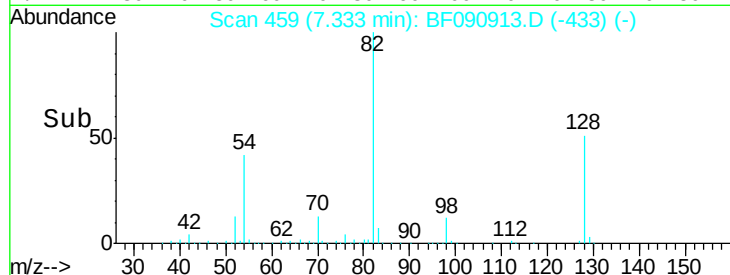
54 41.6 47.5 71.3#



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: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF090913.D

Acq: 28 Oct 2016 17:32

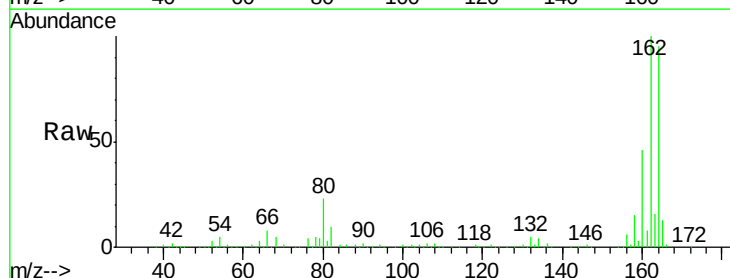
Tgt Ion: 164 Resp: 321874

Ion Ratio Lower Upper

164 100

162 104.7 75.2 112.8

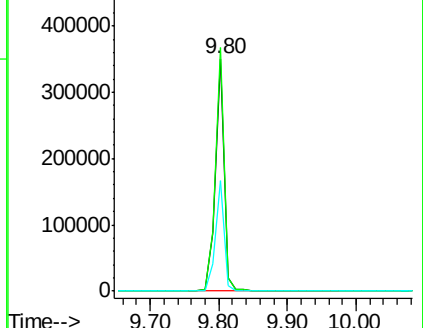
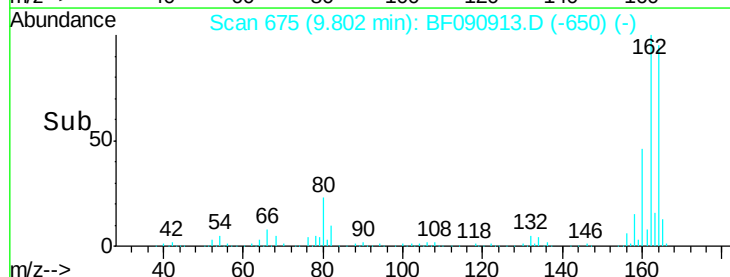
160 47.7 31.5 47.3#

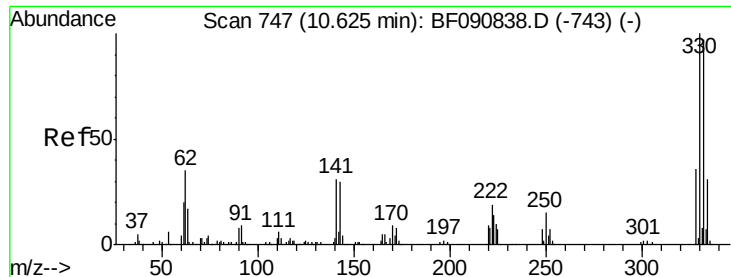


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

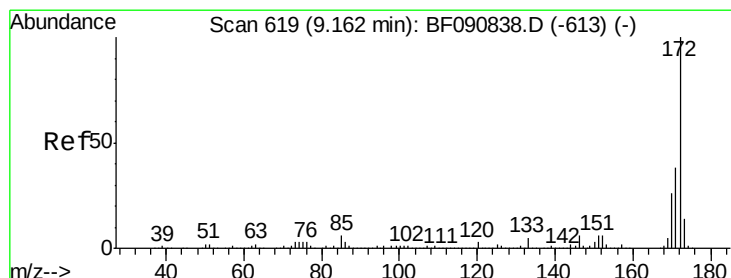
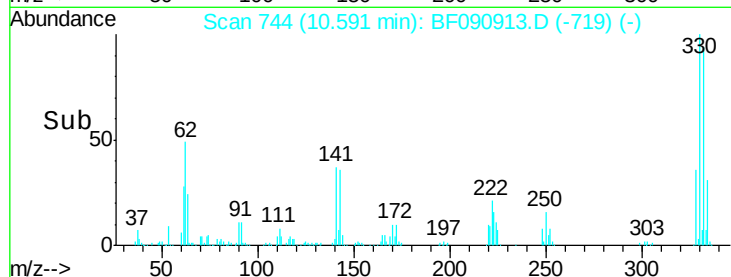
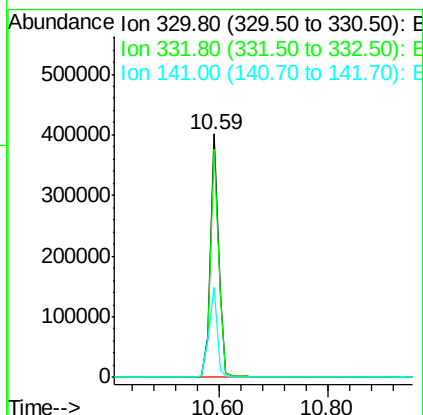
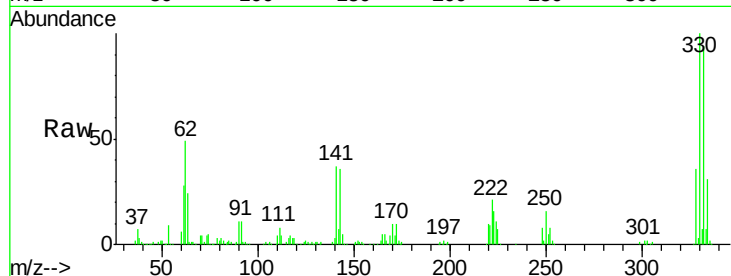




#41
 2,4,6-Tribromophenol
 Concen: 130.71 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090913.D
 Acq: 28 Oct 2016 17:32

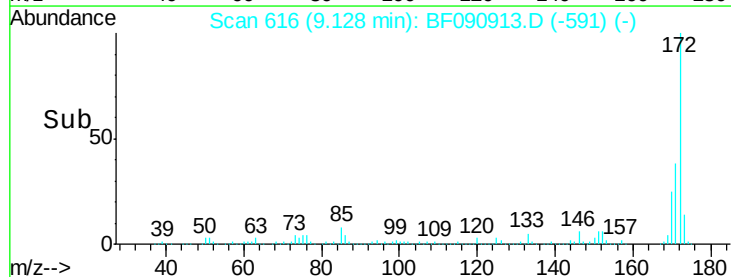
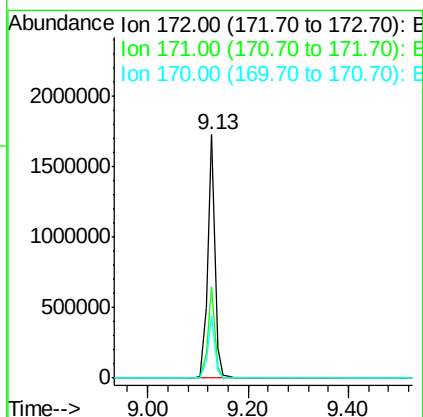
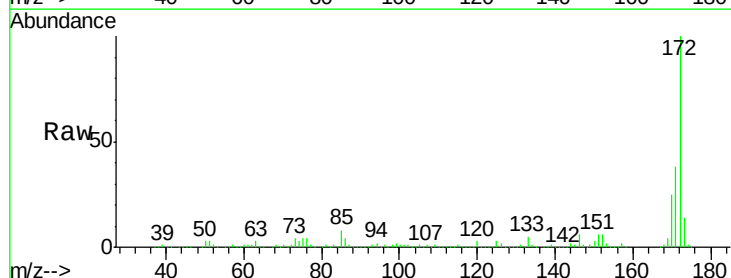
Instrument :
 BNA_F
 ClientSampleId :
 WASTECLASS-SOIL-102616

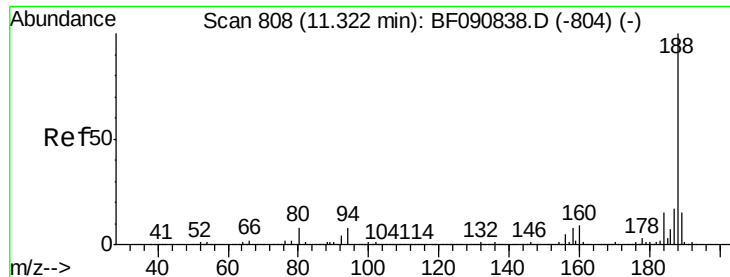
Tgt Ion:330 Resp: 432365
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 114.8
 141 37.2 29.7 44.5



#44
 2-Fluorobiphenyl
 Concen: 94.71 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF090913.D
 Acq: 28 Oct 2016 17:32

Tgt Ion:172 Resp: 1736126
 Ion Ratio Lower Upper
 172 100
 171 37.6 26.1 39.1
 170 25.5 17.4 26.2

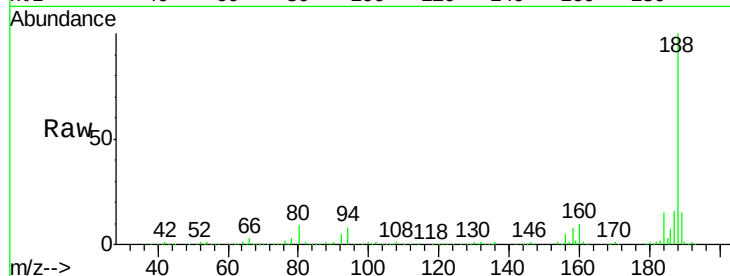




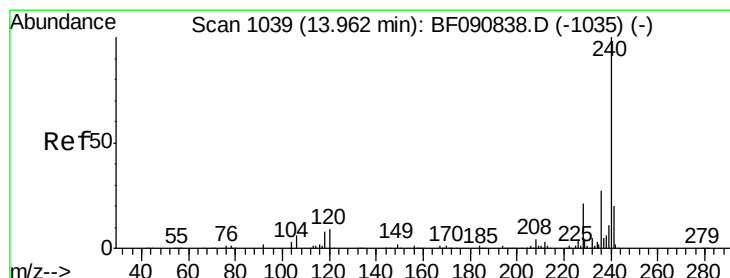
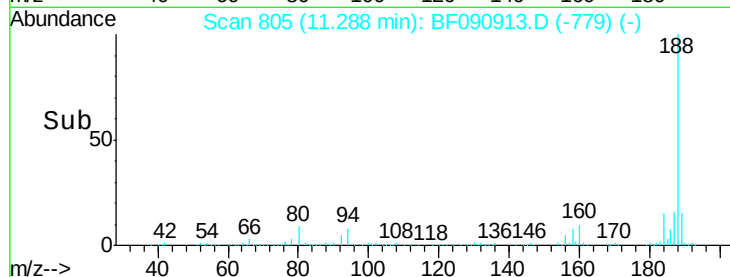
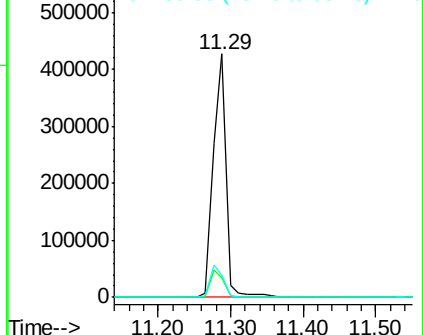
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF090913.D
Acq: 28 Oct 2016 17:32

Instrument :
BNA_F
ClientSampleId :
WASTECLASS-SOIL-102616

Tgt Ion:188 Resp: 524084
Ion Ratio Lower Upper
188 100
94 8.2 11.1 16.7#
80 8.9 11.0 16.4#

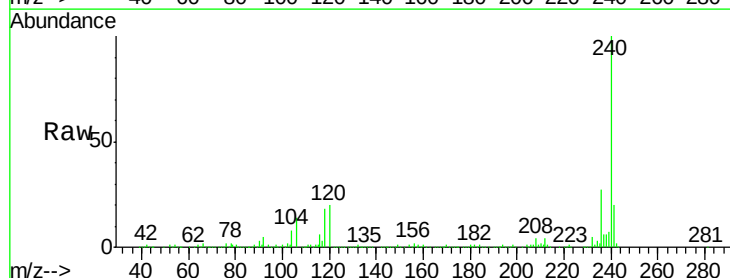


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

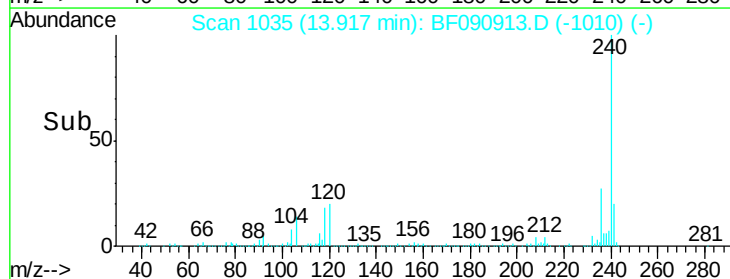
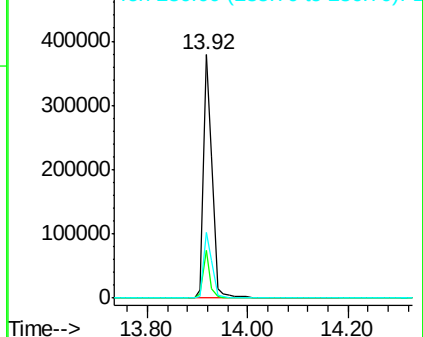


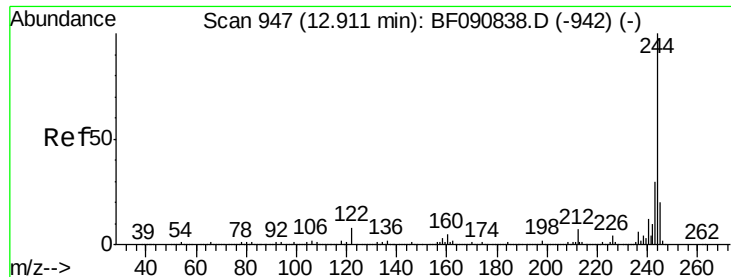
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF090913.D
Acq: 28 Oct 2016 17:32

Tgt Ion:240 Resp: 450090
Ion Ratio Lower Upper
240 100
120 19.9 16.2 24.2
236 26.9 18.4 27.6



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





#78

Terphenyl-d14

Concen: 103.69 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF090913.D

Acq: 28 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

WASTECLASS-SOIL-102616

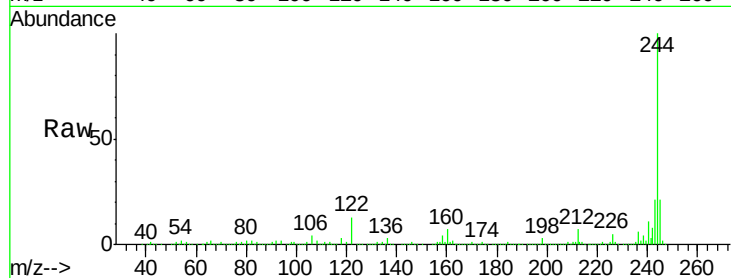
Tgt Ion:244 Resp: 1852366

Ion Ratio Lower Upper

244 100

212 7.5 4.3 6.5#

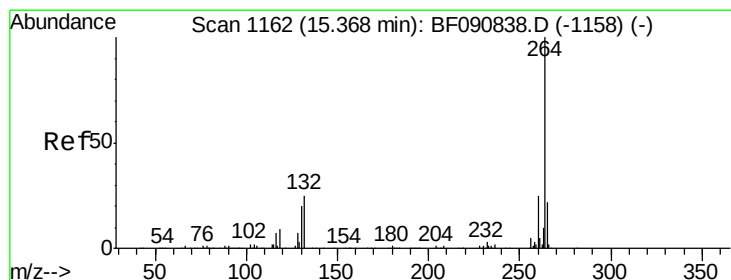
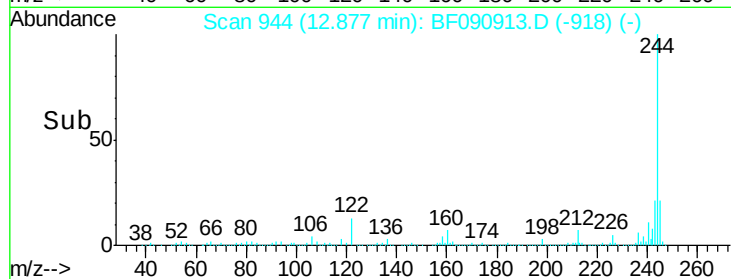
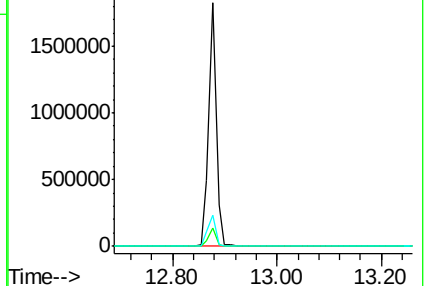
122 12.8 17.4 26.2#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF090913.D

Acq: 28 Oct 2016 17:32

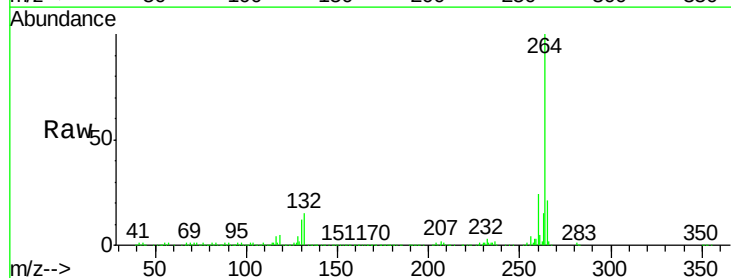
Tgt Ion:264 Resp: 356795

Ion Ratio Lower Upper

264 100

260 24.3 16.7 25.1

265 21.1 17.2 25.8



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

