

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098589.D
 Acq On : 16 Sep 2017 00:47
 Operator : SJ/JU
 Sample : I5205-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDE

Quant Time: Sep 16 01:54:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

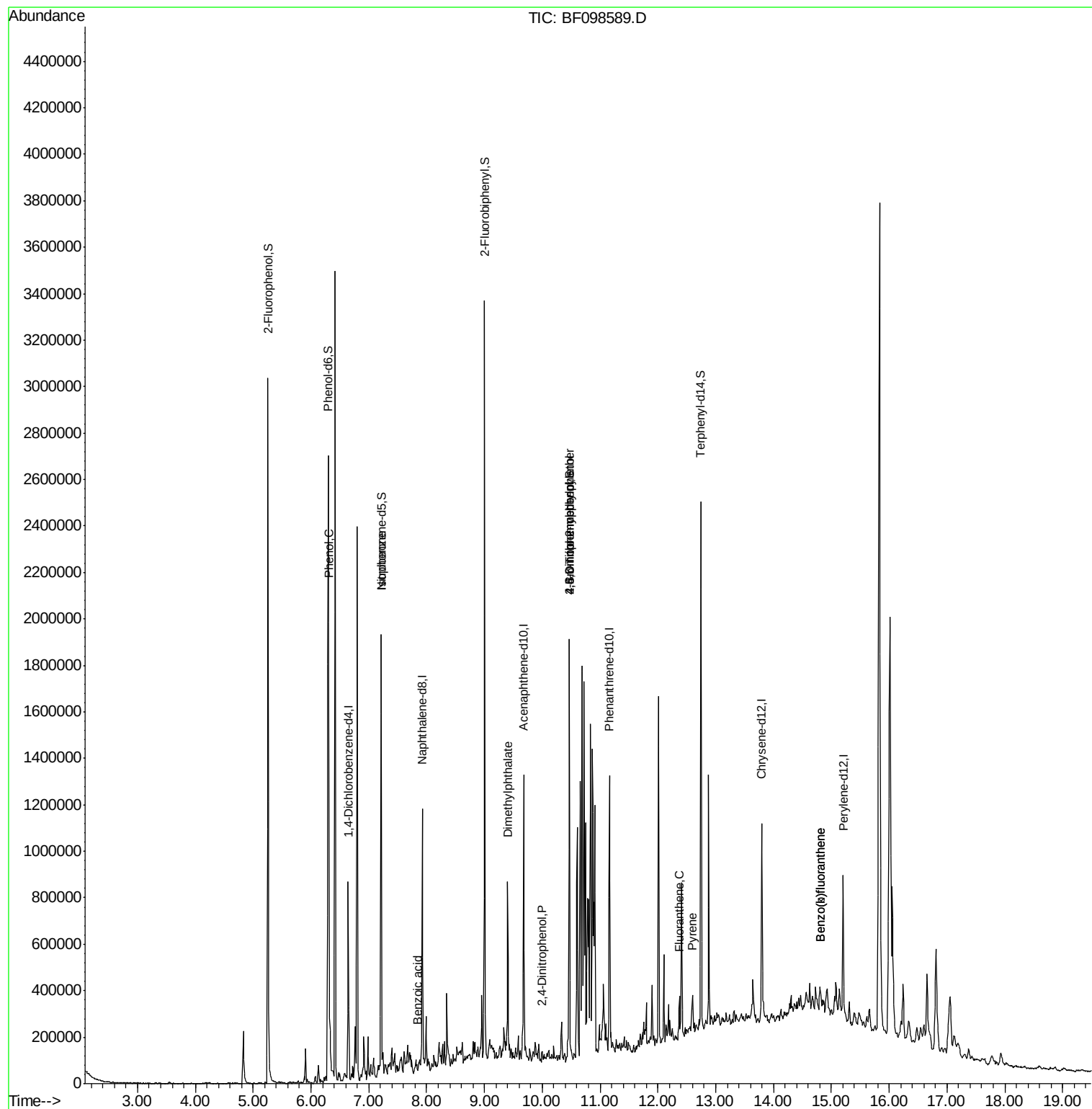
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	121793	20.00	ng	-0.03
21) Naphthalene-d8	7.93	136	470442	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	232228	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	387305	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	257588	20.00	ng	-0.02
86) Perylene-d12	15.20	264	243333	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	857524	104.10	ng	-0.02
7) Phenol-d6	6.30	99	1065260	101.85	ng	-0.02
23) Nitrobenzene-d5	7.22	82	601962	71.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	196204	126.59	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	987217	72.05	ng	-0.03
78) Terphenyl-d14	12.74	244	669720	56.12	ng	-0.02
Target Compounds						
10) Phenol	6.31	94	41535	3.419	ng	# 77
25) Isophorone	7.22	82	587348	34.402	ng	# 67
32) Benzoic acid	7.85	122	109	7.988	ng	# 46
49) Dimethylphthalate	9.40	163	187476	10.429	ng	100
53) 2,4-Dinitrophenol	10.00	184	124	8.588	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.47	198	380	5.108	ng	# 78
66) 4-Bromophenyl-phenylether	10.47	248	14908	4.056	ng	# 1
74) Fluoranthene	12.37	202	65189	3.172	ng	95
77) Pyrene	12.60	202	60972	3.001	ng	100
87) Benzo(b)fluoranthene	14.81	252	37694	2.464	ng	# 77
88) Benzo(k)fluoranthene	14.81	252	37694	2.639	ng	# 80

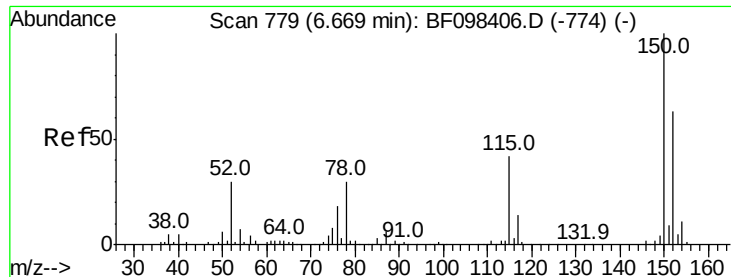
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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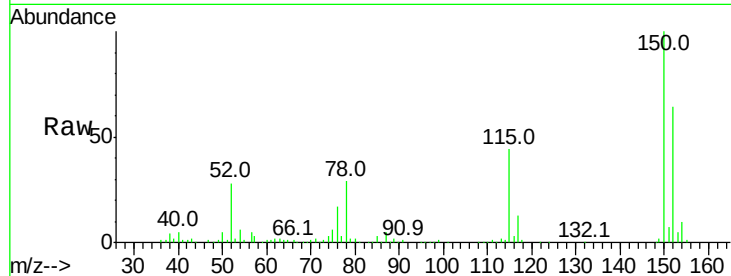


#1

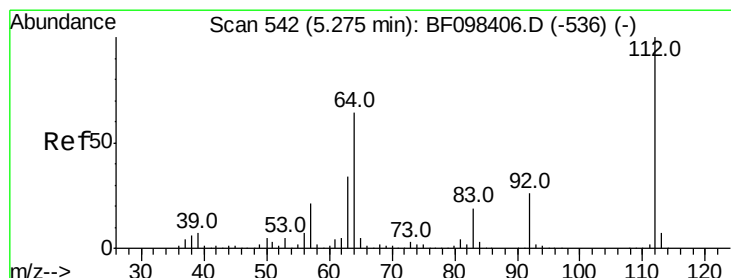
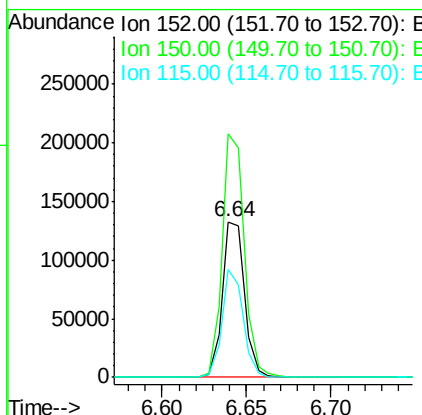
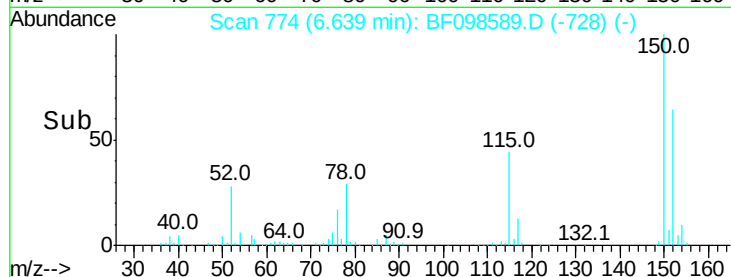
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.03 min
Lab File: BF098589.D
Acq: 16 Sep 2017 00:47

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDE

Tot Ion:152 Resp: 121793
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 69.0 52.2 78.2



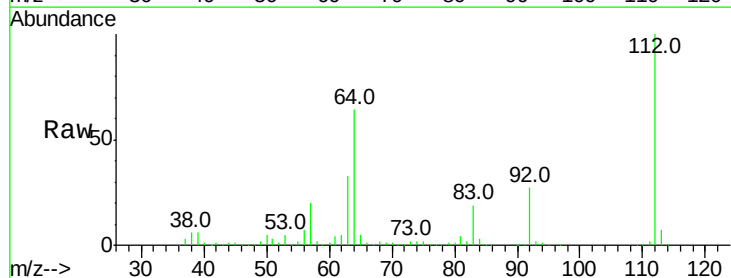
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



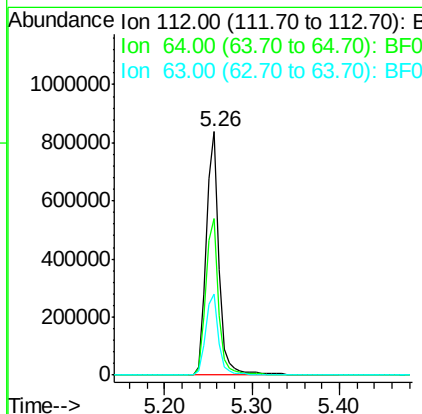
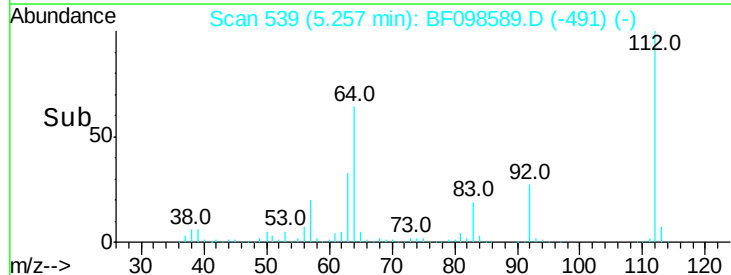
#5

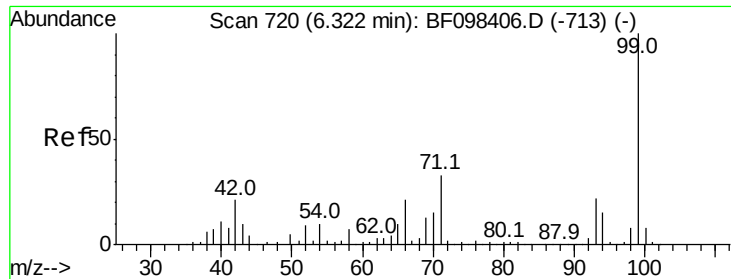
2-Fluorophenol
Concen: 104.100 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098589.D
Acq: 16 Sep 2017 00:47

Tgt Ion:112 Resp: 857524
Ion Ratio Lower Upper
112 100
64 64.1 46.0 69.0
63 33.1 23.4 35.0



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: 101.853 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDE

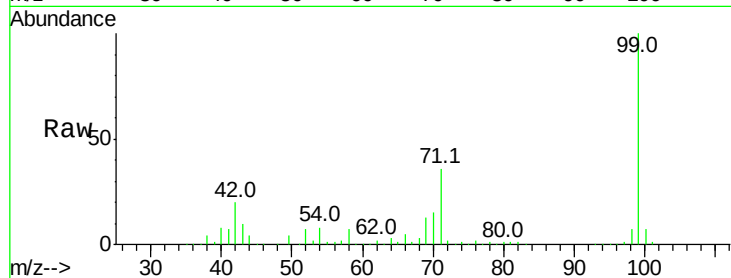
Tot Ion: 99 Resp: 1065260

Ion Ratio Lower Upper

99 100

42 19.9 13.5 20.3

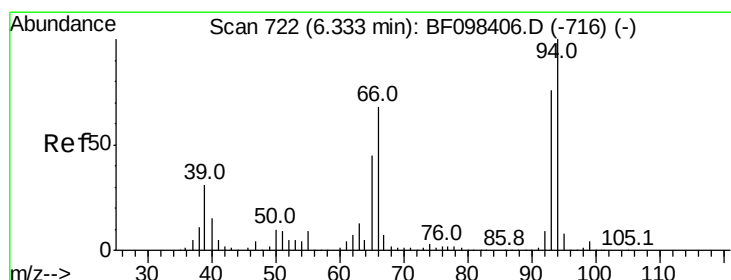
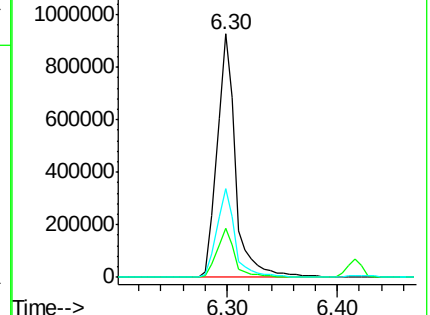
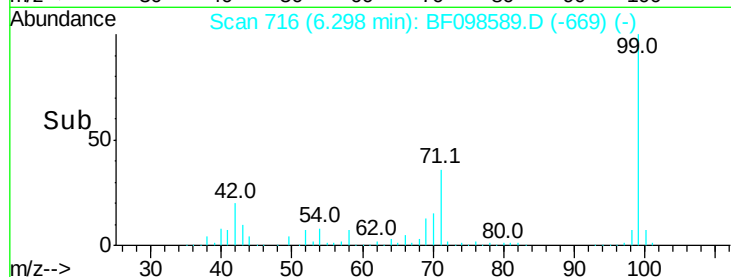
71 36.3 24.5 36.7



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



#10

Phenol

Concen: 3.419 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

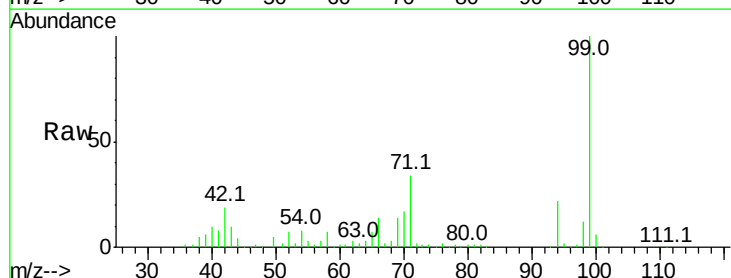
Tgt Ion: 94 Resp: 41535

Ion Ratio Lower Upper

94 100

65 33.1 9.9 49.9

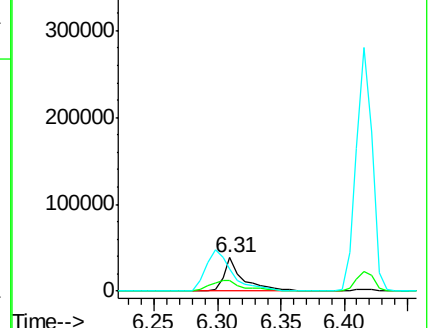
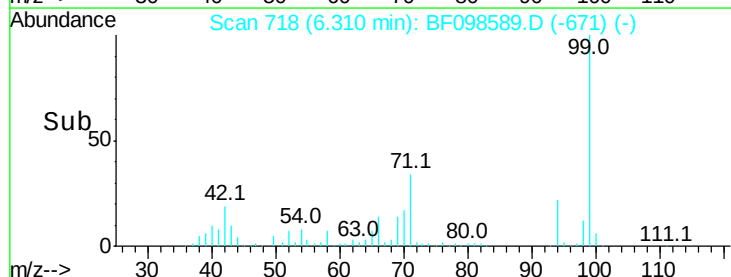
66 65.7 23.1 63.1#

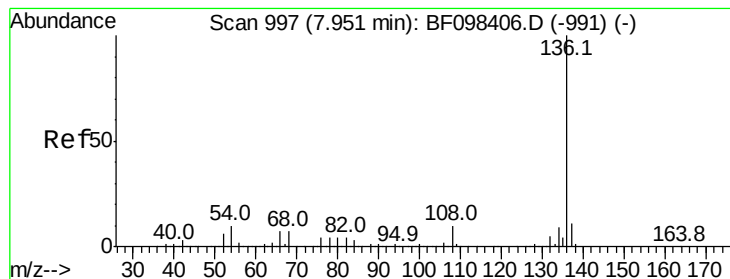


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDE

Tot Ion:136 Resp: 470442

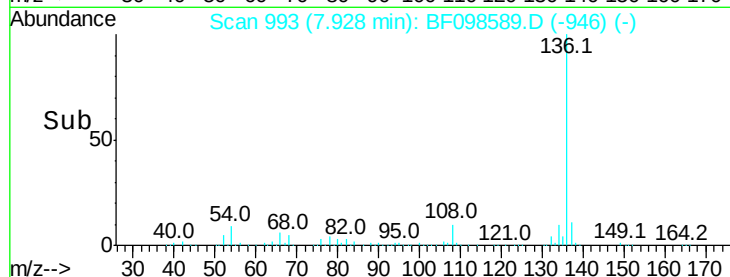
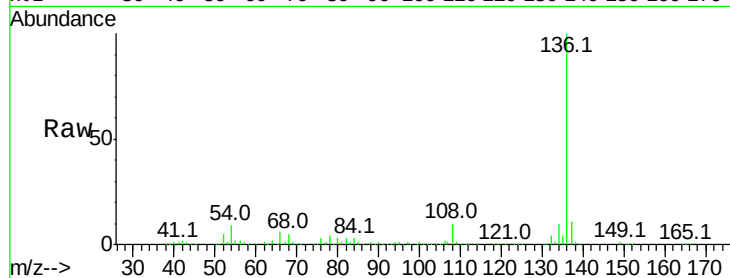
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 9.0 4.9 7.3#

68 5.4 4.1 6.1

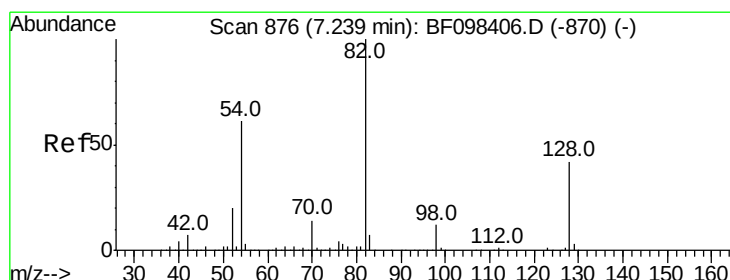
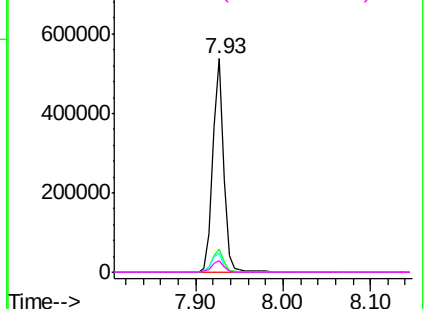


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.335 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

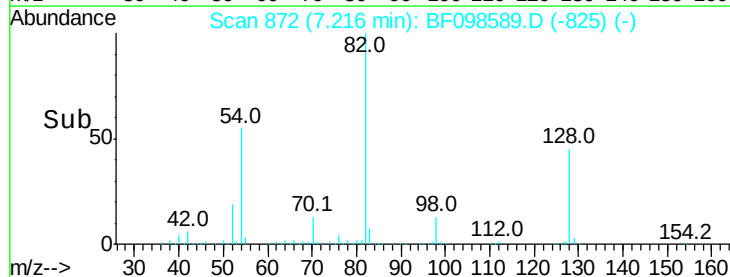
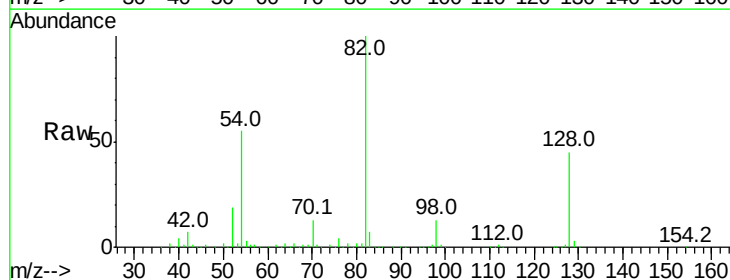
Tgt Ion: 82 Resp: 601962

Ion Ratio Lower Upper

82 100

128 45.4 34.0 51.0

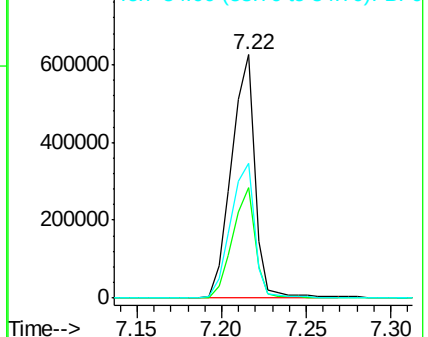
54 55.3 42.2 63.2

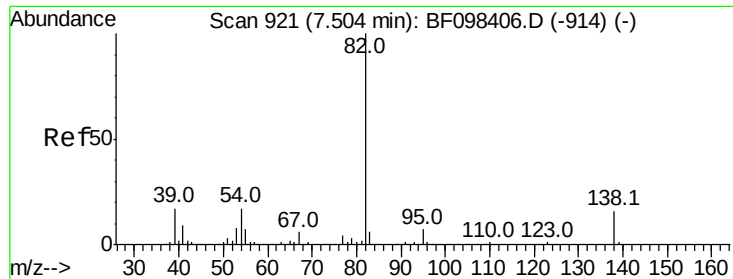


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.402 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.29 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDE

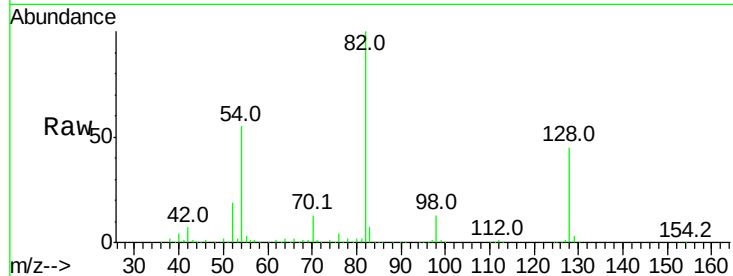
Tot Ion: 82 Resp: 587348

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

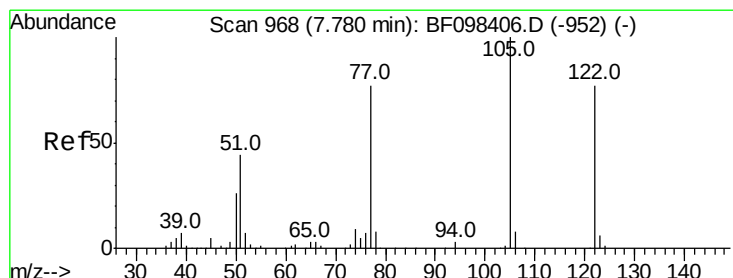
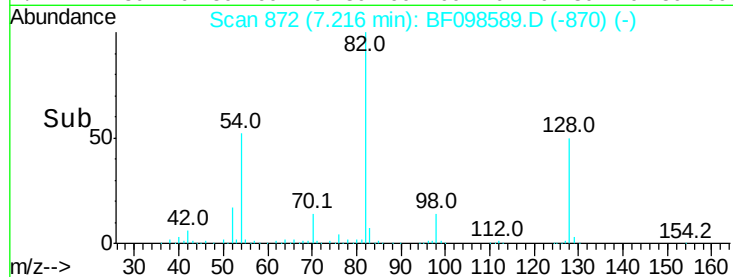
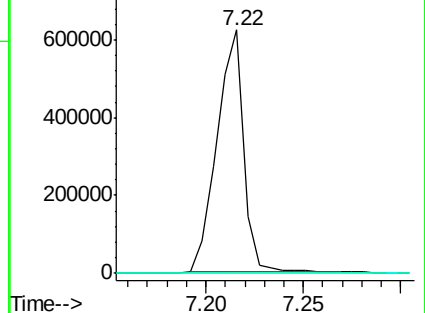
138 0.0 13.1 19.7#



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



#32

Benzoic acid

Concen: 7.988 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.07 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

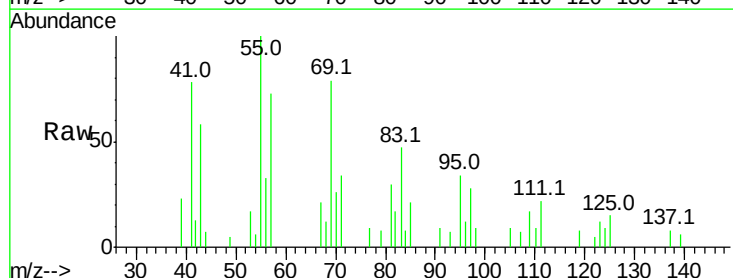
Tgt Ion: 122 Resp: 109

Ion Ratio Lower Upper

122 100

105 165.3 103.3 143.3#

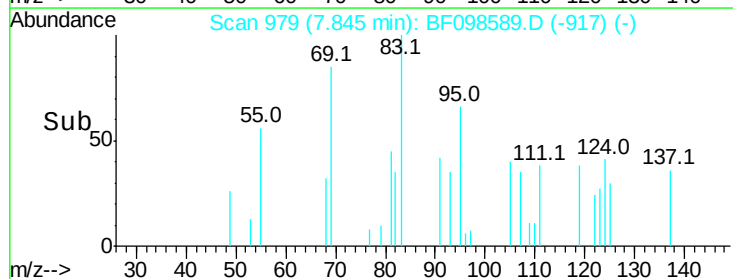
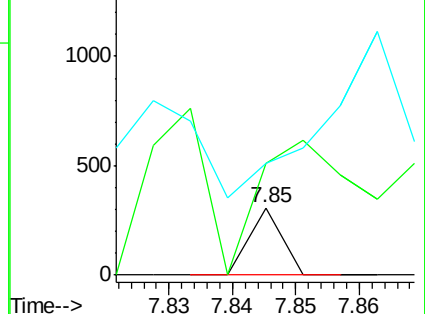
77 166.9 73.7 113.7#

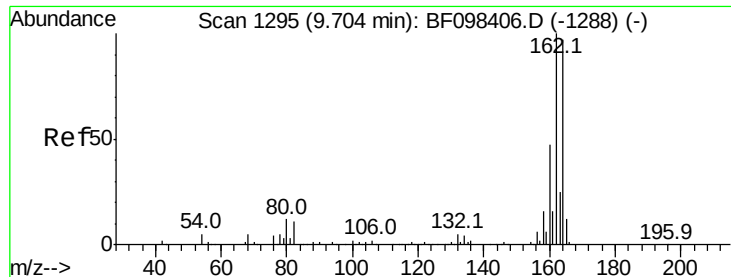


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

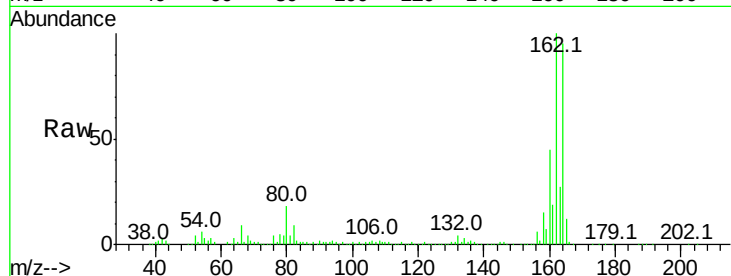




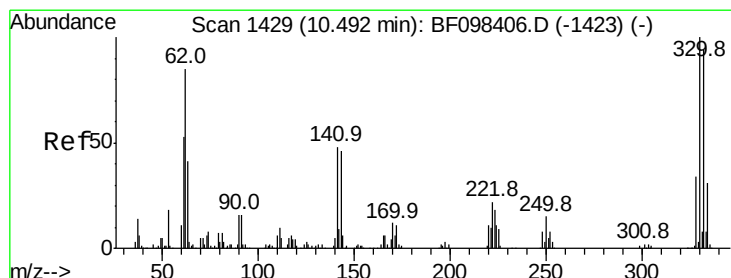
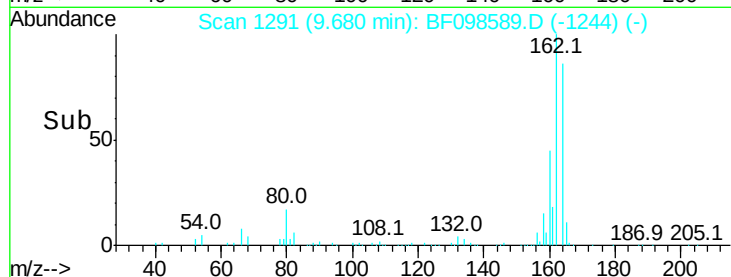
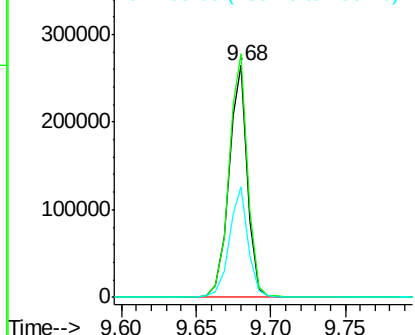
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098589.D
 Acq: 16 Sep 2017 00:47

Instrument :
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 SOIL-STOCKPILE-INSIDE

Tot Ion:164 Resp: 232228
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.6 123.8
 160 47.5 36.2 54.2

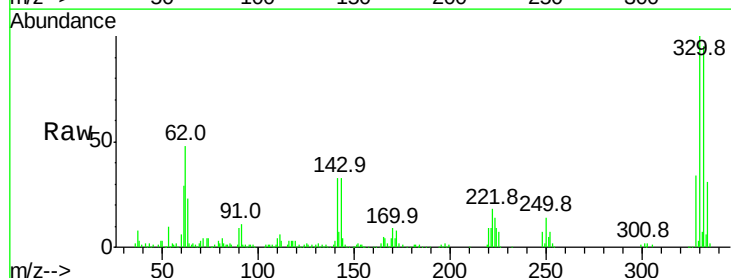


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

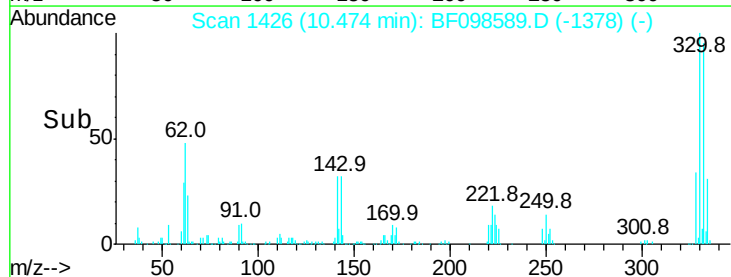
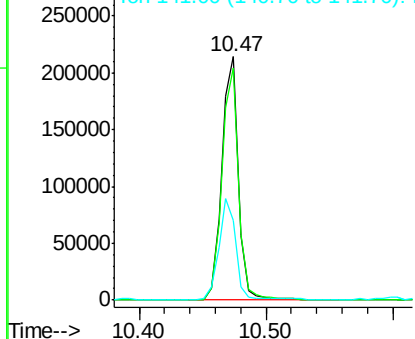


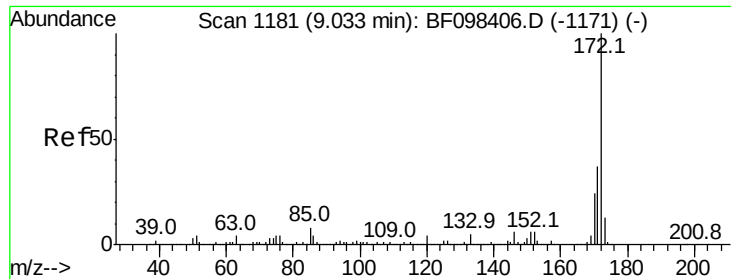
#41
 2,4,6-Tribromophenol
 Concen: 126.589 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098589.D
 Acq: 16 Sep 2017 00:47

Tgt Ion:330 Resp: 196204
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 42.7 31.4 47.2



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

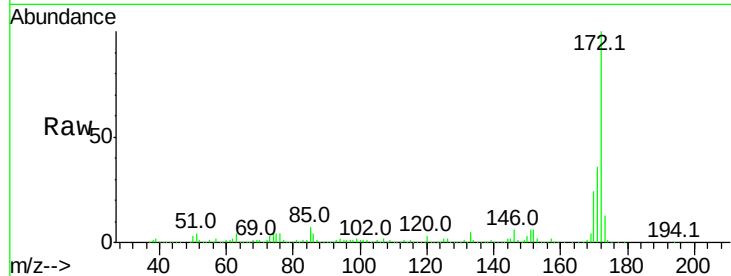




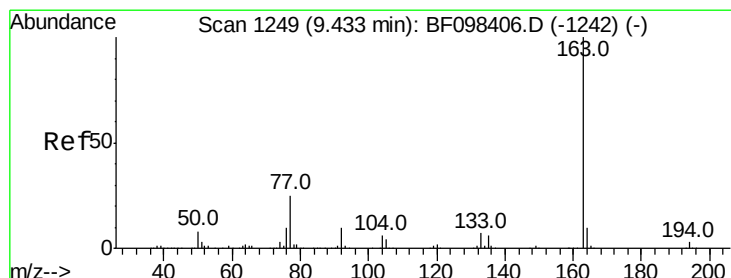
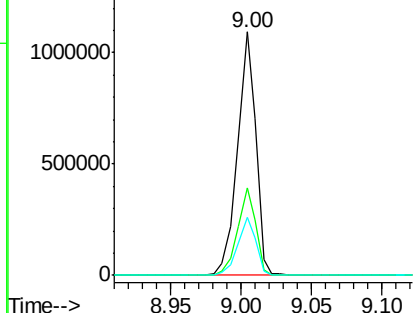
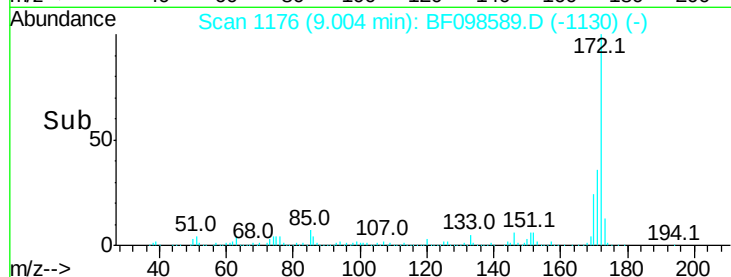
#44
2-Fluorobiphenyl
Concen: 72.052 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.03 min
Lab File: BF098589.D
Acq: 16 Sep 2017 00:47

Instrument :
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Tot Ion:172 Resp: 987217
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.7 19.8 29.8

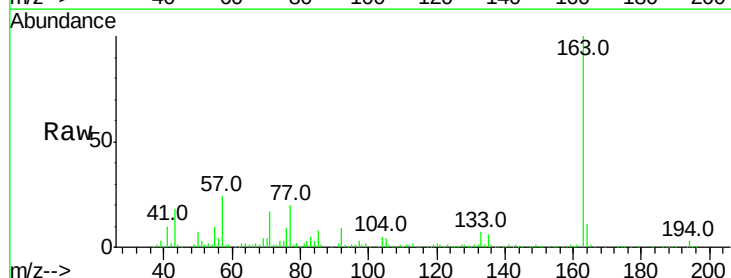


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

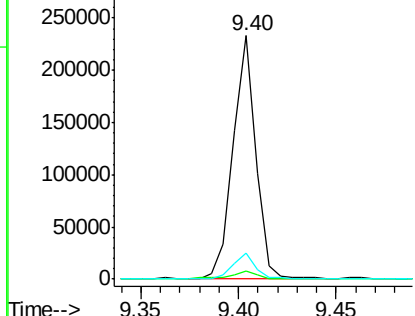
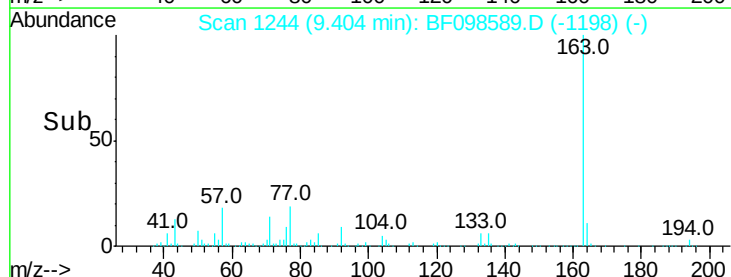


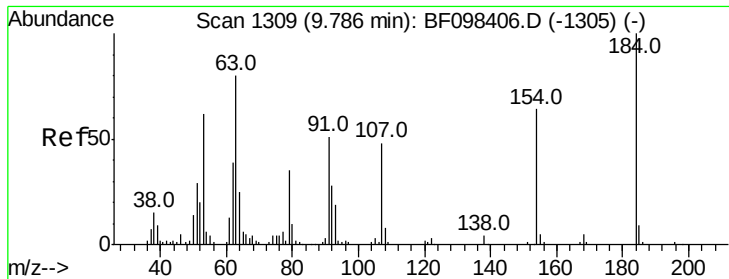
#49
Dimethylphthalate
Concen: 10.429 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098589.D
Acq: 16 Sep 2017 00:47

Tgt Ion:163 Resp: 187476
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

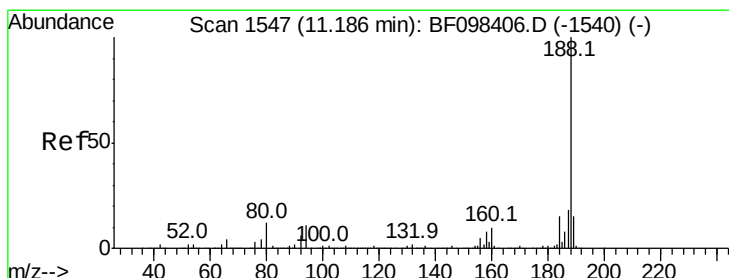
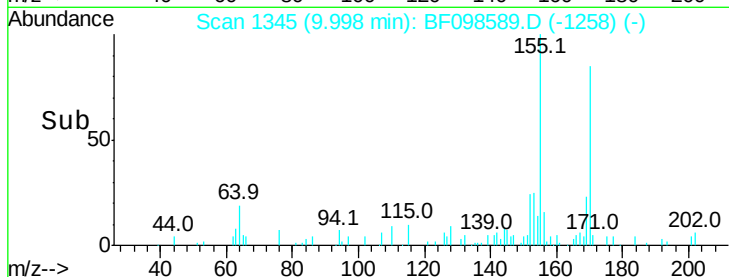
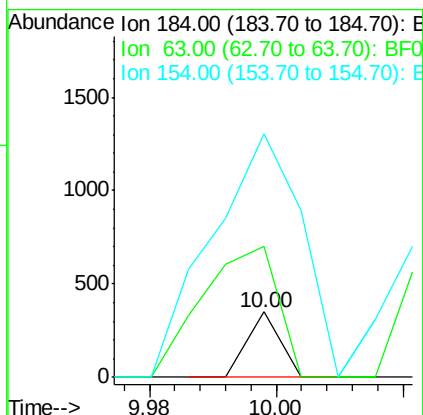
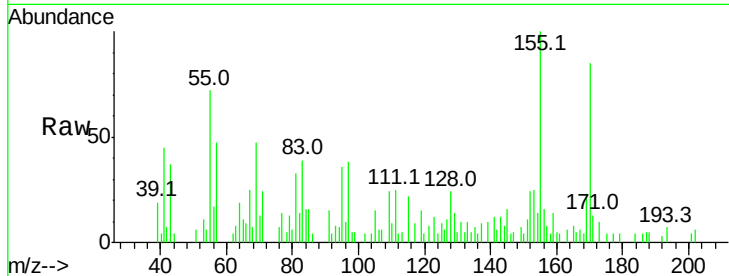




#53
 2,4-Dinitrophenol
 Concen: 8.588 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.21 min
 Lab File: BF098589.D
 Acq: 16 Sep 2017 00:47

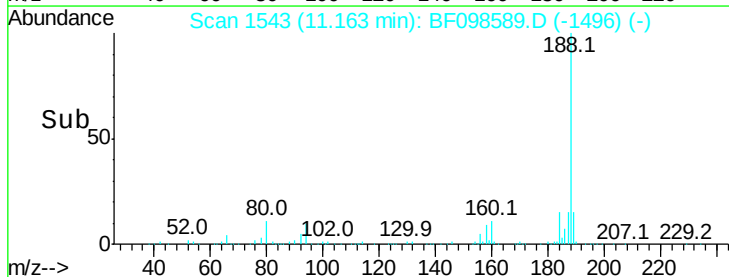
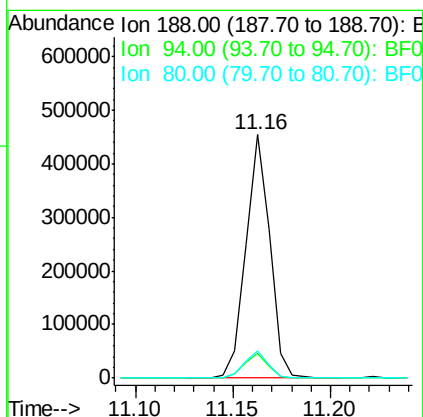
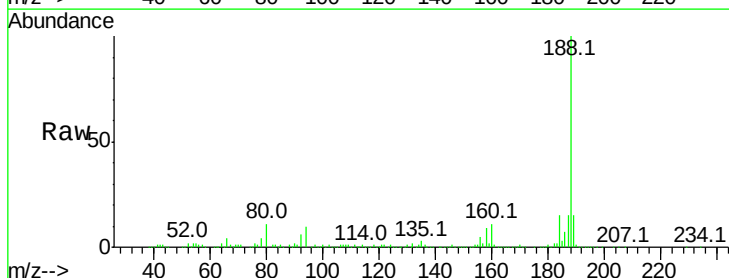
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDE

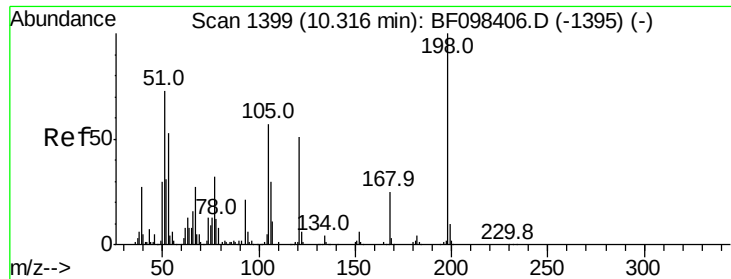
Tot Ion:184 Resp: 124
 Ion Ratio Lower Upper
 184 100
 63 199.7 62.7 94.1#
 154 372.6 81.1 121.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098589.D
 Acq: 16 Sep 2017 00:47

Tgt Ion:188 Resp: 387305
 Ion Ratio Lower Upper
 188 100
 94 10.2 9.4 14.2
 80 11.0 10.2 15.2

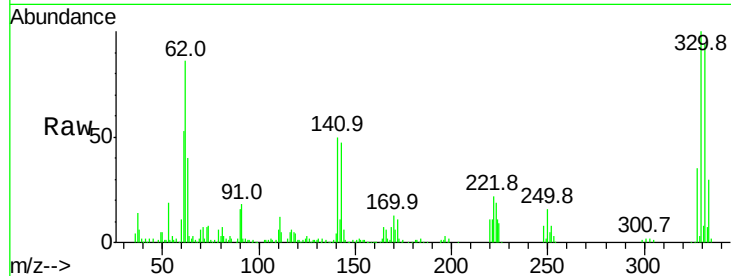




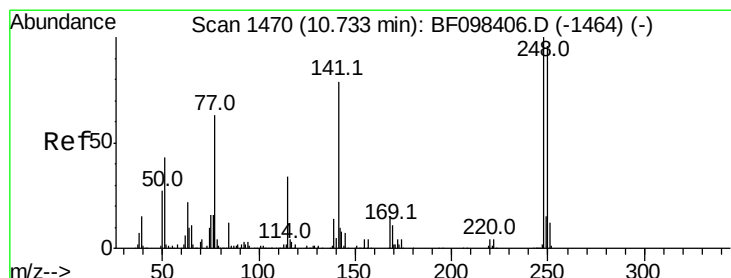
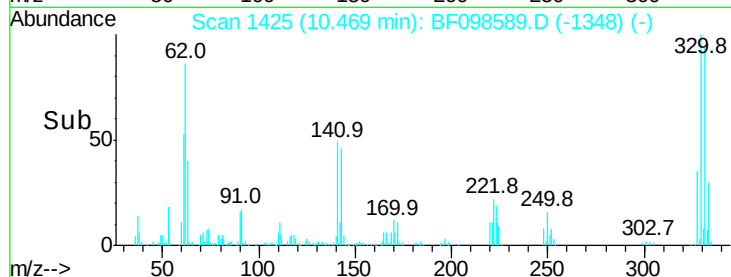
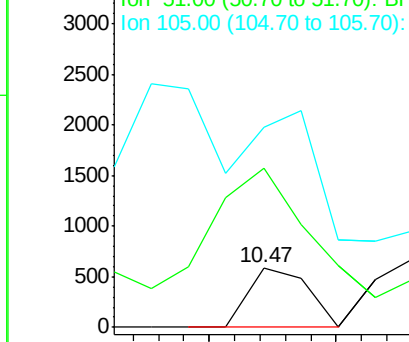
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.108 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.15 min
 Lab File: BF098589.D
 Acq: 16 Sep 2017 00:47

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-INSIDE

Tot Ion:198 Resp: 380
 Ion Ratio Lower Upper
 198 100
 51 45.8 53.2 93.2#
 105 57.6 45.8 85.8

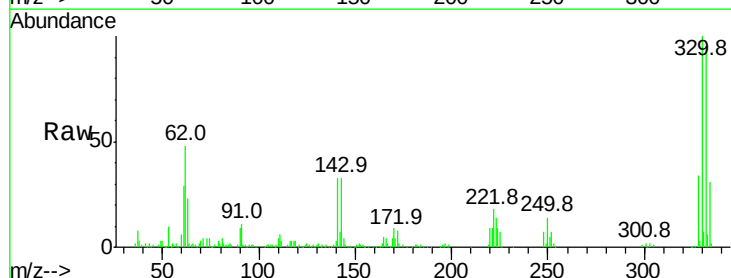


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

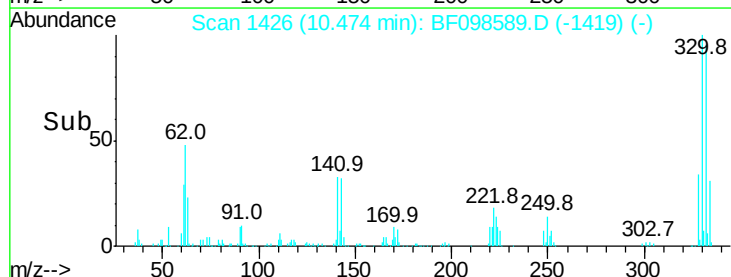
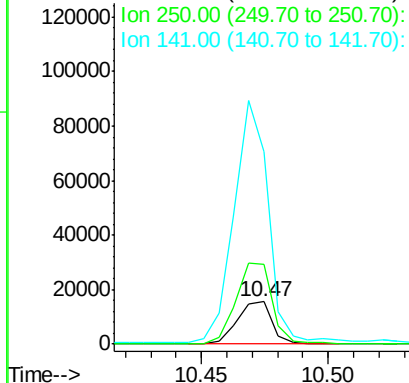


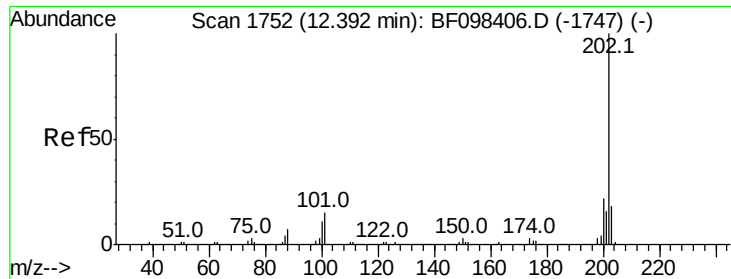
#66
 4-Bromophenyl-phenylether
 Concen: 4.056 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.26 min
 Lab File: BF098589.D
 Acq: 16 Sep 2017 00:47

Tgt Ion:248 Resp: 14908
 Ion Ratio Lower Upper
 248 100
 250 187.9 76.8 115.2#
 141 453.3 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.172 ng

RT: 12.37 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDE

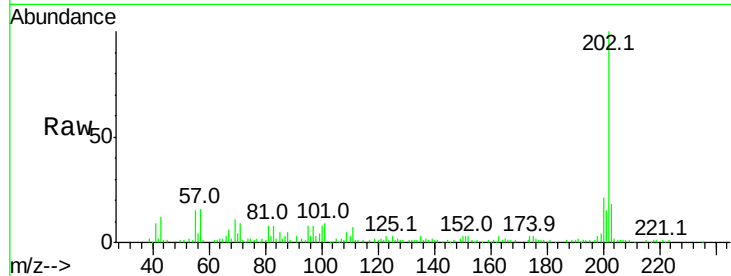
Tot Ion:202 Resp: 65189

Ion Ratio Lower Upper

202 100

101 9.0 0.0 33.2

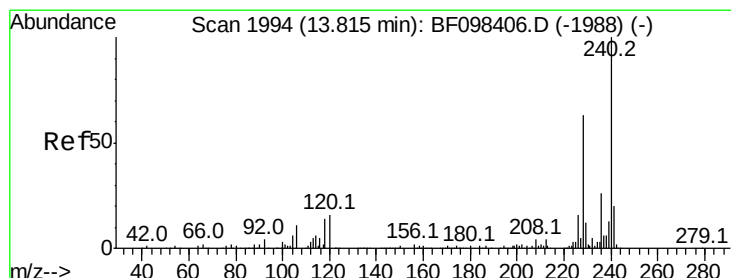
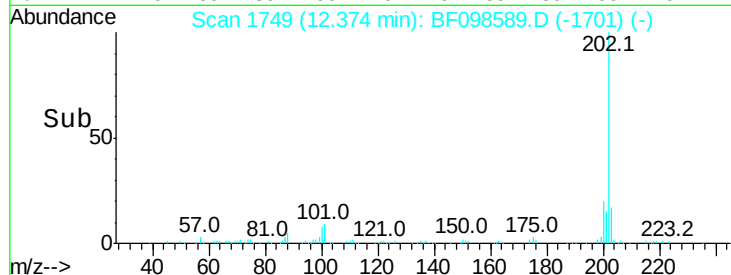
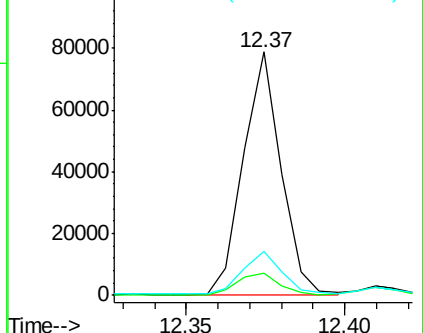
203 17.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

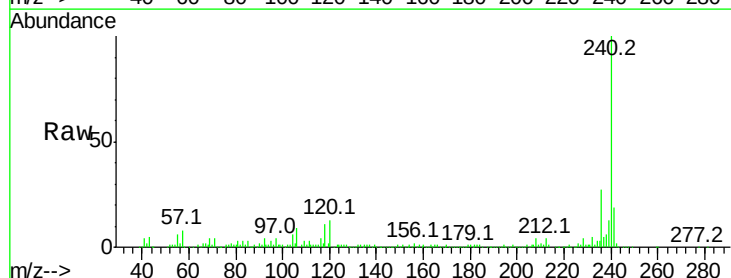
Tgt Ion:240 Resp: 257588

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

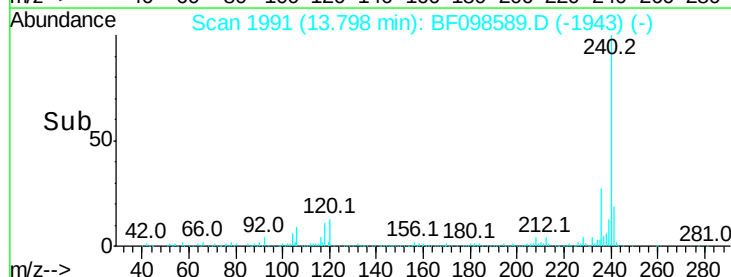
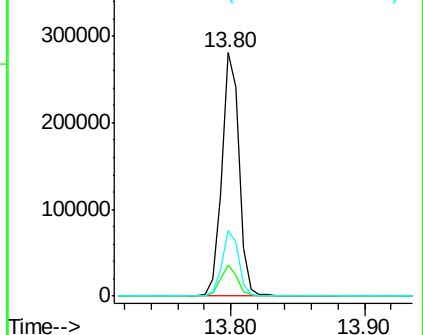
236 26.9 20.5 30.7

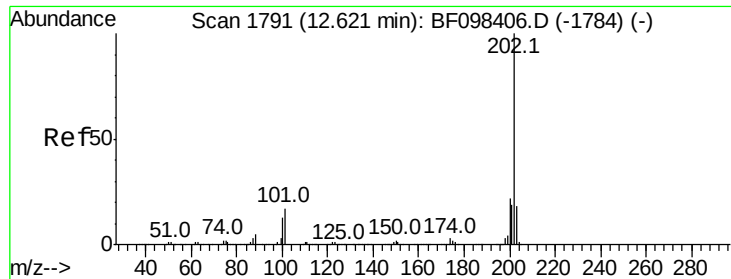


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.001 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDE

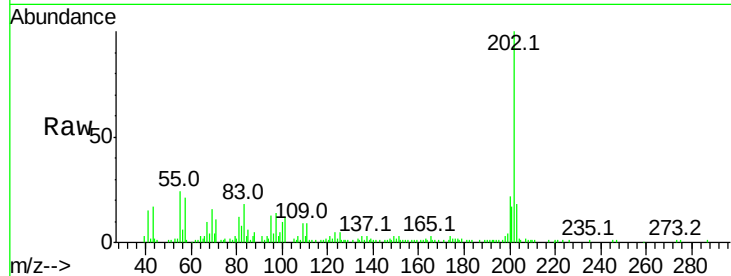
Tot Ion:202 Resp: 60972

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

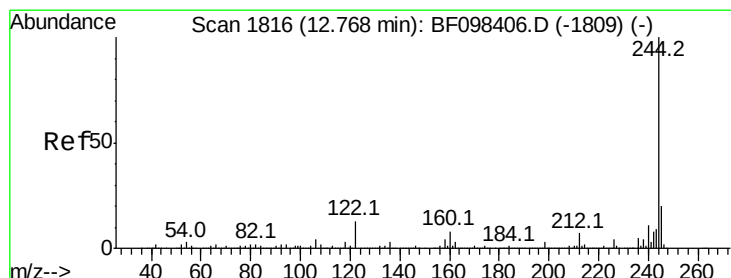
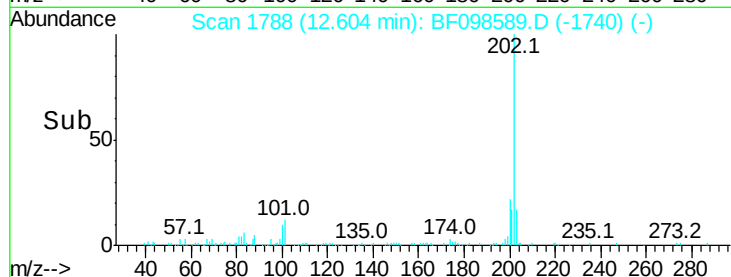
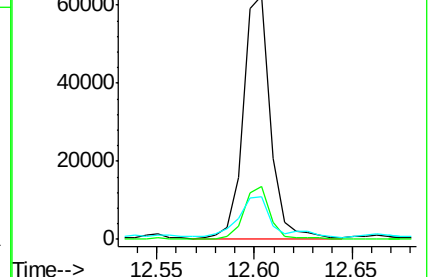
203 17.7 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 56.119 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

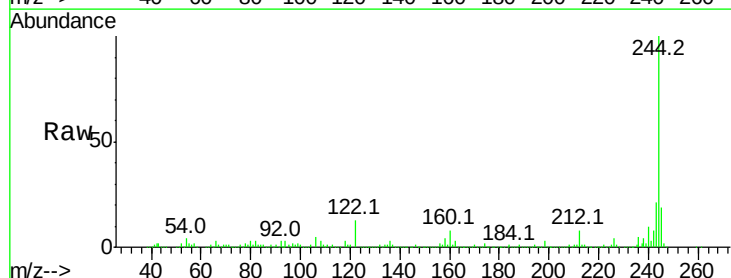
Tgt Ion:244 Resp: 669720

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

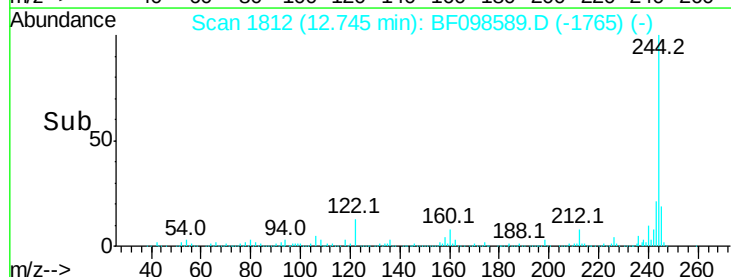
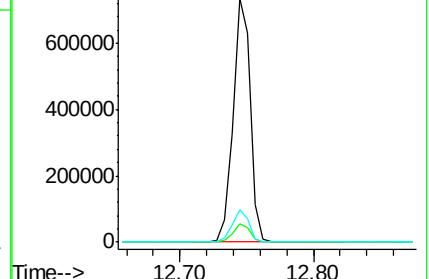
122 13.5 10.3 15.5

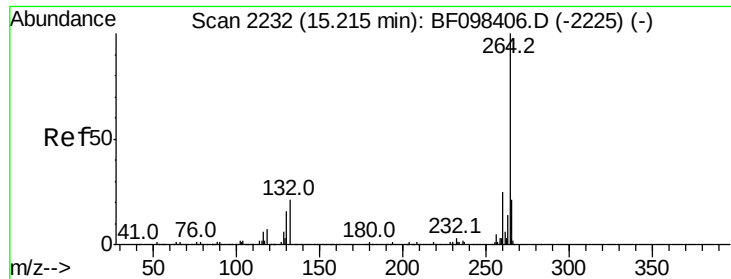


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

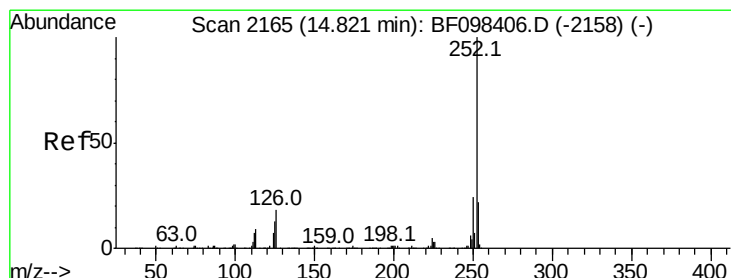
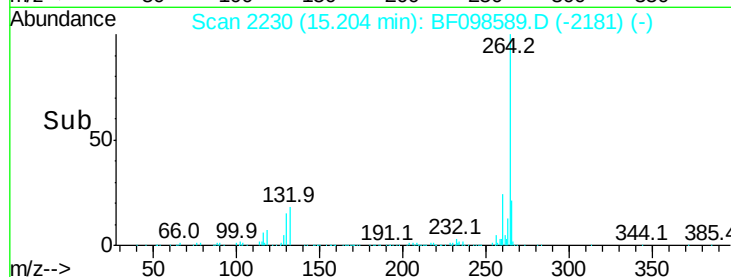
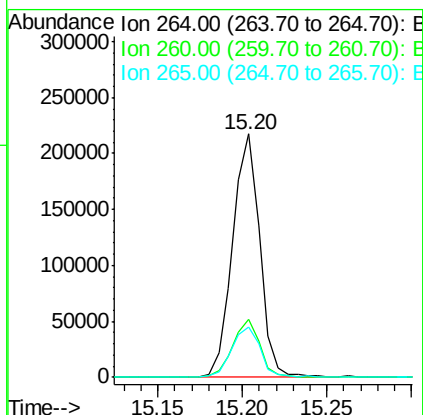
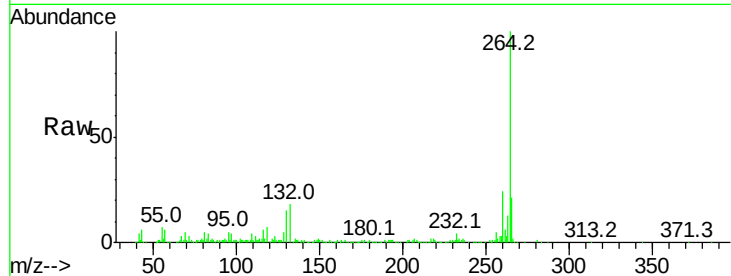




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098589.D
Acq: 16 Sep 2017 00:47

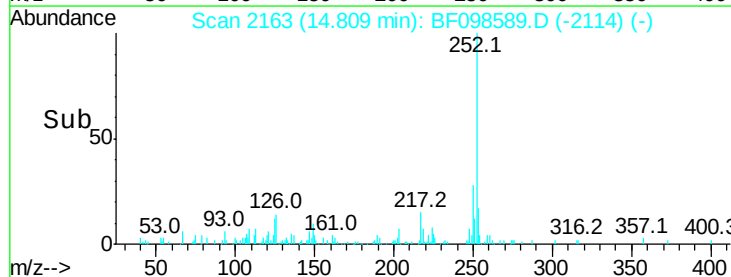
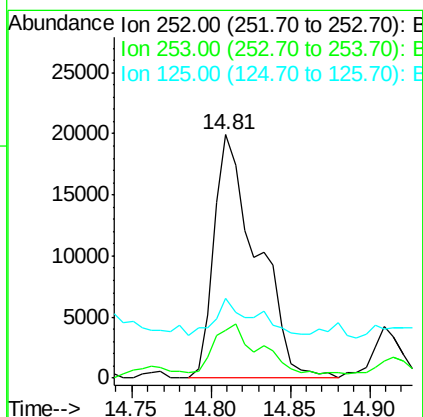
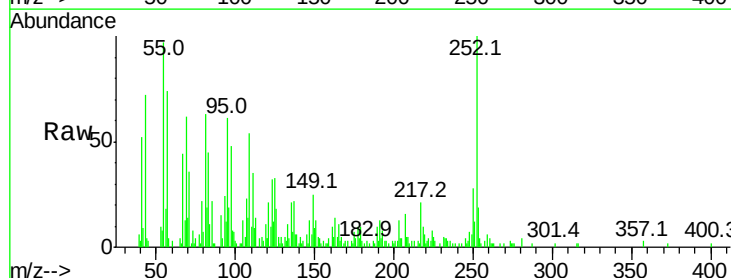
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-INSIDE

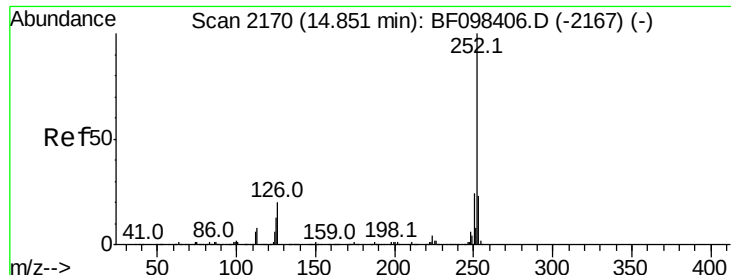
Tot Ion:264 Resp: 243333
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 20.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.464 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098589.D
Acq: 16 Sep 2017 00:47

Tgt Ion:252 Resp: 37694
Ion Ratio Lower Upper
252 100
253 19.5 18.1 27.1
125 32.7 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.639 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.04 min

Lab File: BF098589.D

Acq: 16 Sep 2017 00:47

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-INSIDE

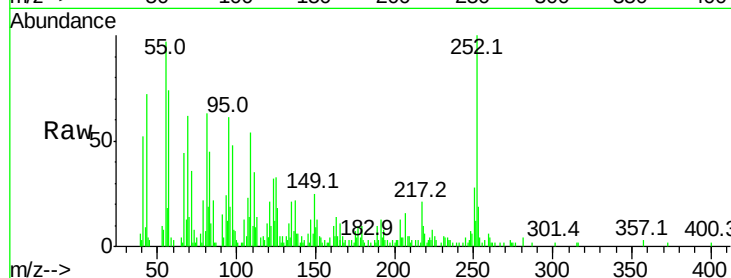
Tot Ion:252 Resp: 37694

Ion Ratio Lower Upper

252 100

253 19.5 18.4 27.6

125 32.7 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

