

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
 Data File : BF081690.D
 Acq On : 17 Sep 2015 21:57
 Operator : UM/IZ
 Sample : G3689-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIME-TOPSOILRE

Quant Time: Sep 18 07:18:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

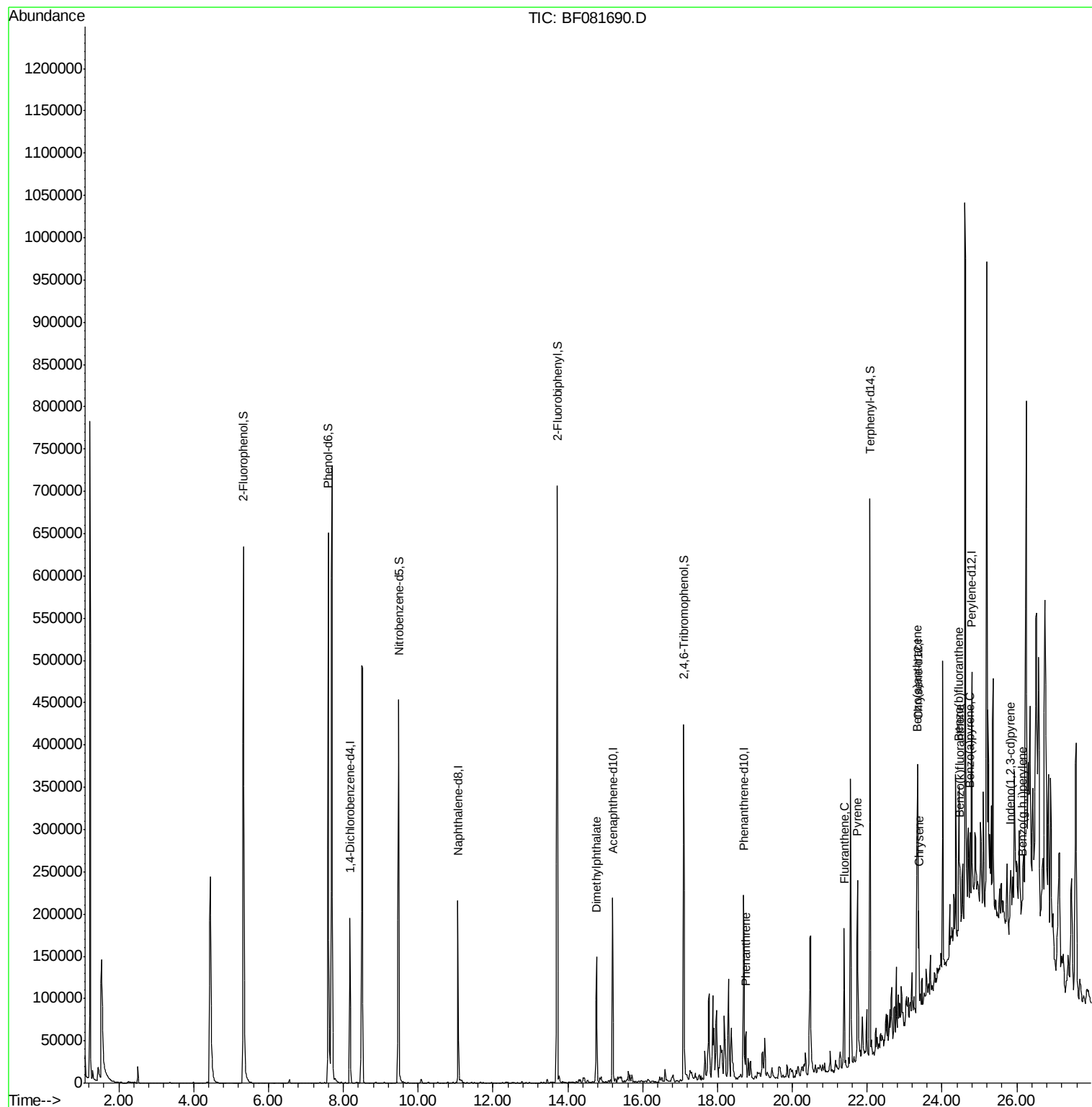
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	45785	20.00	ng	-0.04
21) Naphthalene-d8	11.07	136	179410	20.00	ng	-0.06
38) Acenaphthene-d10	15.20	164	80708	20.00	ng	-0.06
63) Phenanthrene-d10	18.70	188	140500	20.00	ng	-0.06
75) Chrysene-d12	23.35	240	93356	20.00	ng	-0.03
86) Perylene-d12	24.79	264	81186	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	286199	96.98	ng	-0.02
7) Phenol-d6	7.60	99	404053	103.44	ng	-0.04
23) Nitrobenzene-d5	9.48	82	269125	72.37	ng	-0.06
41) 2,4,6-Tribromophenol	17.10	330	69408	96.58	ng	-0.07
44) 2-Fluorobiphenyl	13.72	172	402239	63.87	ng	-0.06
78) Terphenyl-d14	22.07	244	221485	55.23	ng	-0.04
Target Compounds						Qvalue
49) Dimethylphthalate	14.77	163	95825	15.28	ng	# 96
70) Phenanthrene	18.76	178	37863m	4.85	ng	
74) Fluoranthene	21.39	202	93825	11.10	ng	88
77) Pyrene	21.74	202	80237	11.60	ng	# 93
80) Benzo(a)anthracene	23.34	228	38311	6.44	ng	94
82) Chrysene	23.37	228	50853m	9.54	ng	
85) Indeno(1,2,3-cd)pyrene	25.83	276	21017	5.38	ng	# 68
87) Benzo(b)fluoranthene	24.45	252	58881m	10.16	ng	
88) Benzo(k)fluoranthene	24.46	252	21623m	4.50	ng	
89) Benzo(a)pyrene	24.75	252	34881m	7.10	ng	
91) Benzo(g,h,i)perylene	26.14	276	19825	5.47	ng	# 73

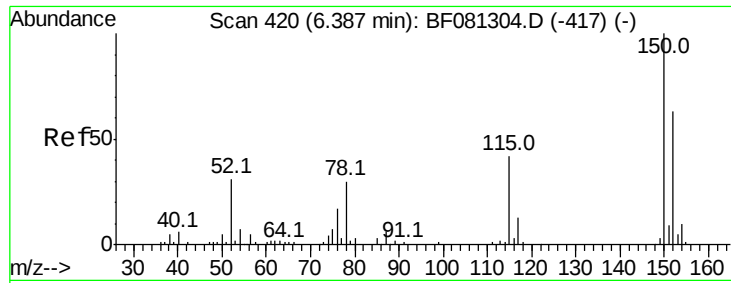
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 620

Delta R.T. -0.04 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOILRE

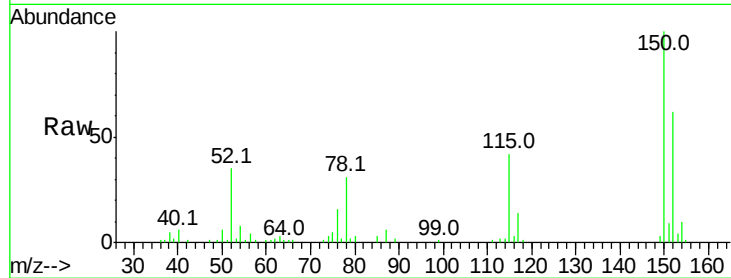
Tgt Ion:152 Resp: 45785

Ion Ratio Lower Upper

152 100

150 161.6 124.7 187.1

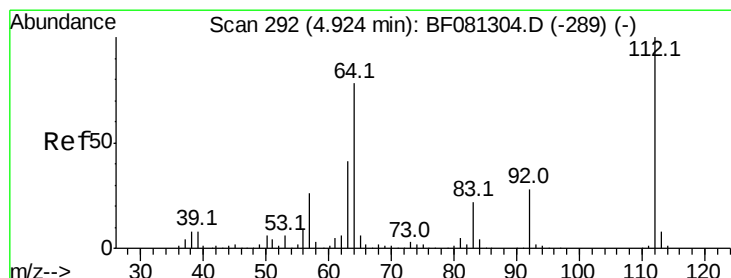
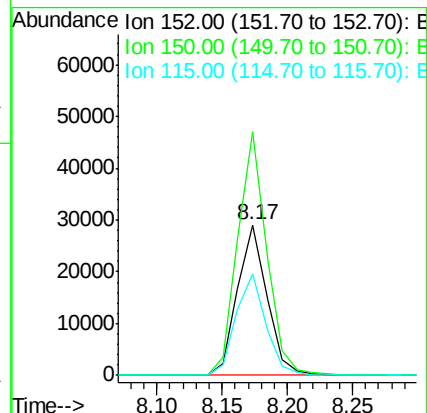
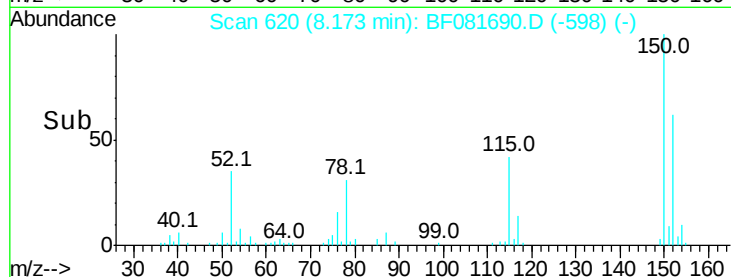
115 67.1 39.0 58.4#



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: 96.98 ng

RT: 5.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

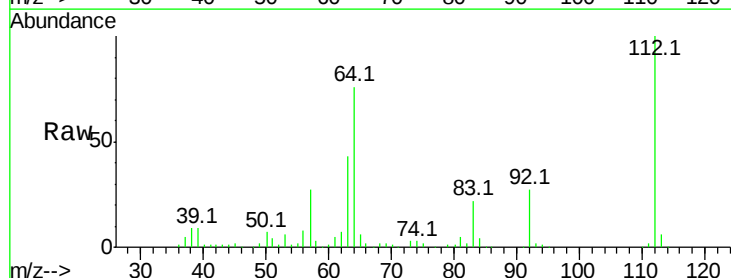
Tgt Ion:112 Resp: 286199

Ion Ratio Lower Upper

112 100

64 76.4 39.7 59.5#

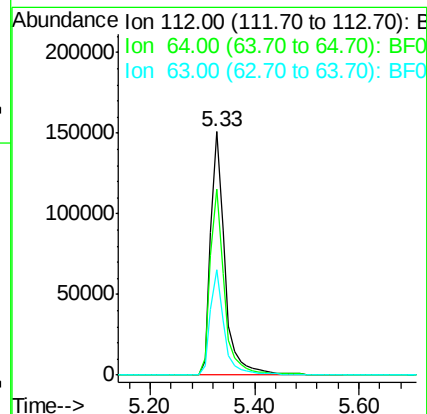
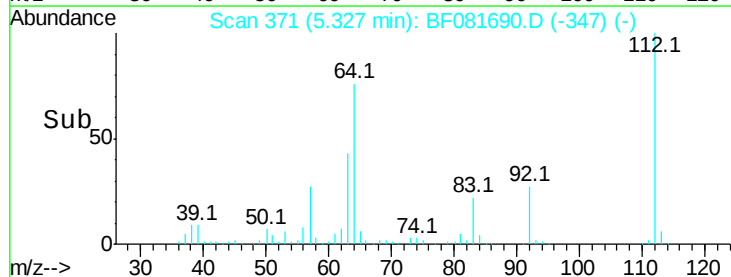
63 43.3 17.4 26.0#

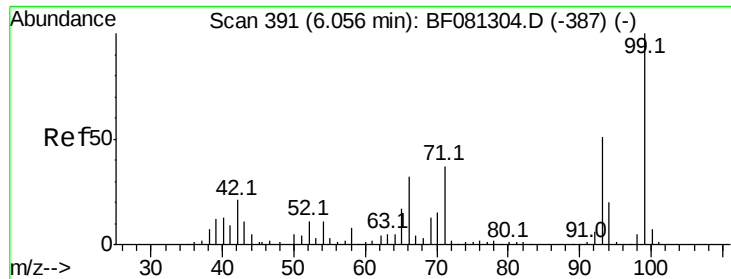


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.44 ng

RT: 7.60 min Scan# 570

Delta R.T. -0.04 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

Instrument :

BNA_F

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LIME-TOPSOILRE

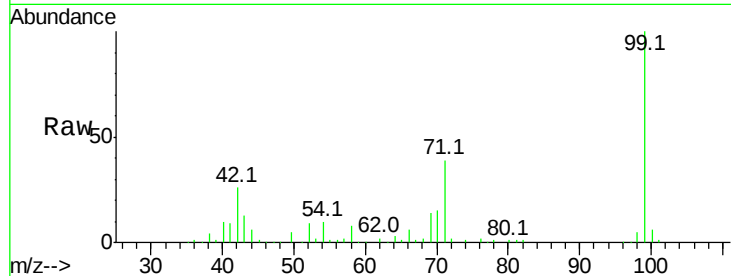
Tgt Ion: 99 Resp: 404053

Ion Ratio Lower Upper

99 100

42 25.5 13.7 20.5#

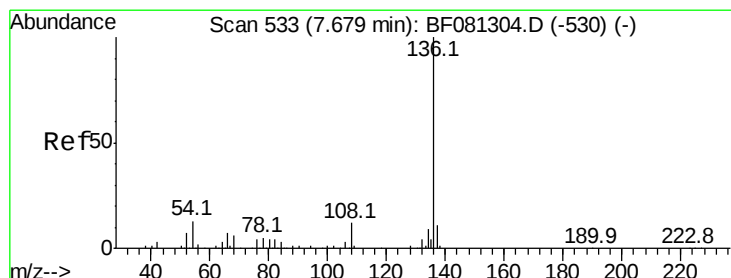
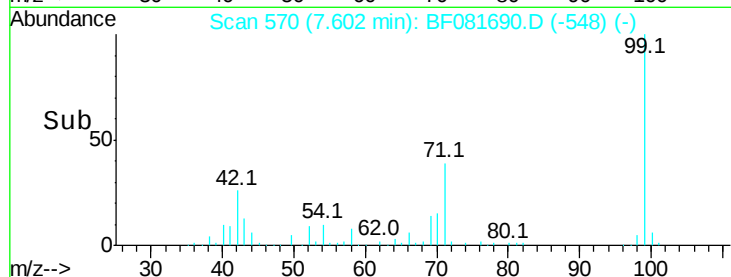
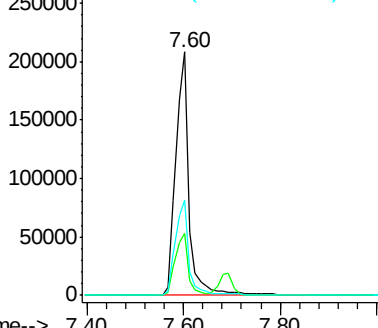
71 38.9 14.2 21.2#



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: 11.07 min Scan# 873

Delta R.T. -0.06 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

Tgt Ion: 136 Resp: 179410

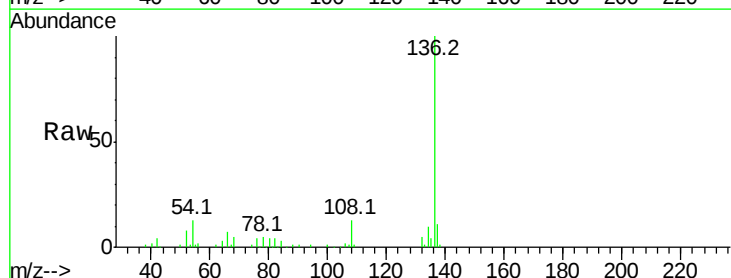
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 13.2 8.2 12.2#

68 5.2 5.8 8.6#

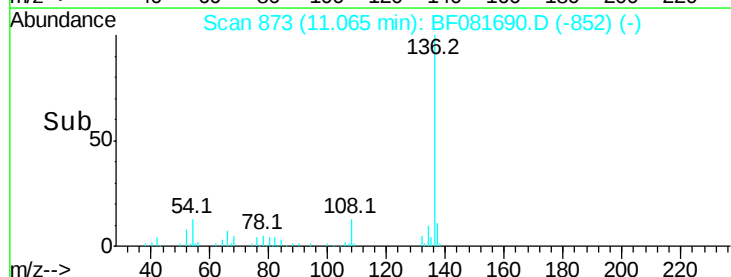
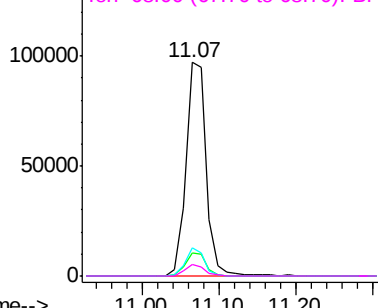


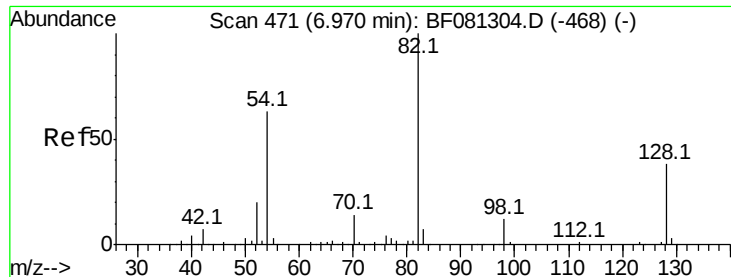
Abundance Ion 136.00 (135.70 to 136.70): E

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

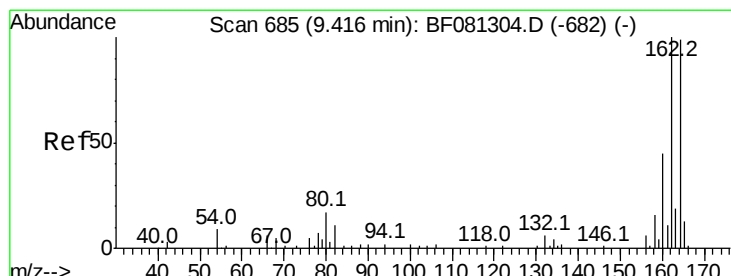
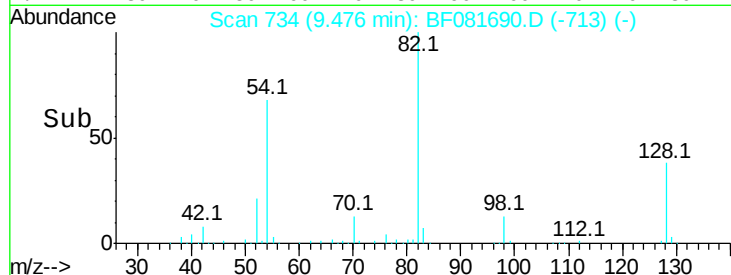
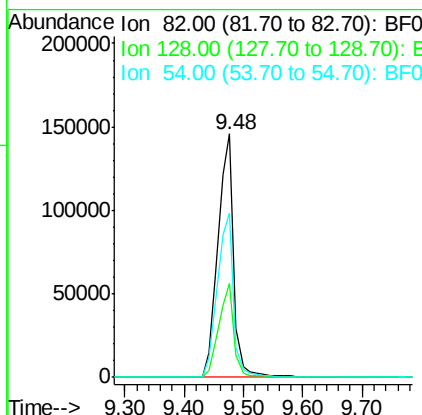
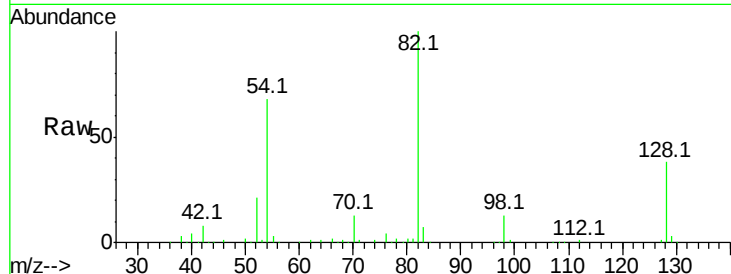




#23
 Nitrobenzene-d5
 Concen: 72.37 ng
 RT: 9.48 min Scan# 734
 Delta R.T. -0.06 min
 Lab File: BF081690.D
 Acq: 17 Sep 2015 21:57

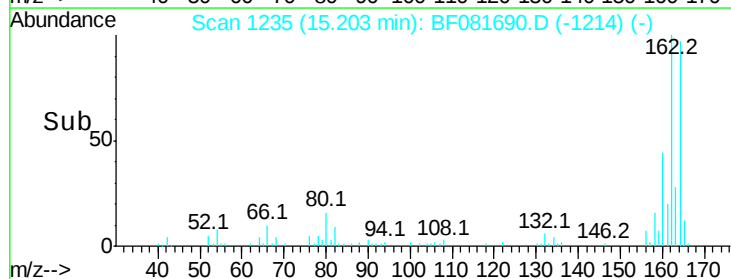
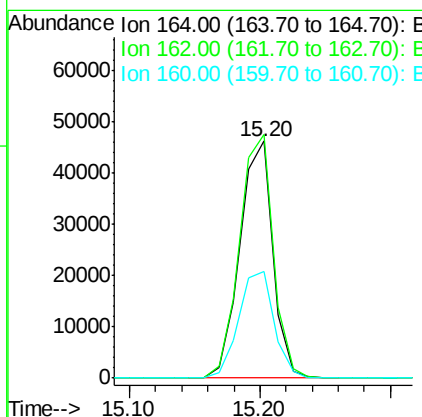
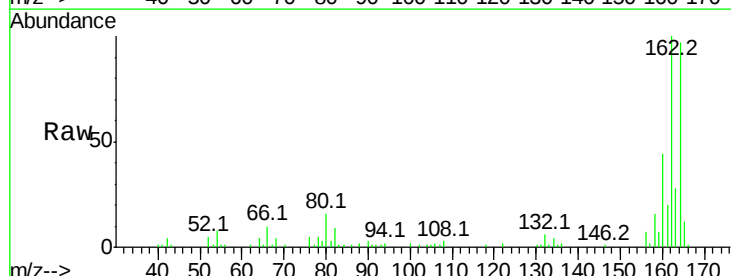
Instrument :
 BNA_F
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 LIME-TOPSOILRE

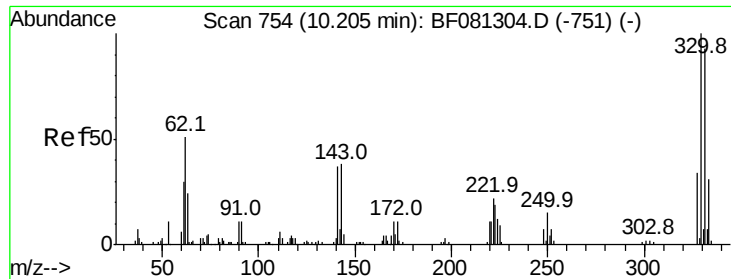
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.5	51.0	76.6#
54	67.6	47.5	71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1235
 Delta R.T. -0.06 min
 Lab File: BF081690.D
 Acq: 17 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	75.2	112.8
160	44.9	31.5	47.3

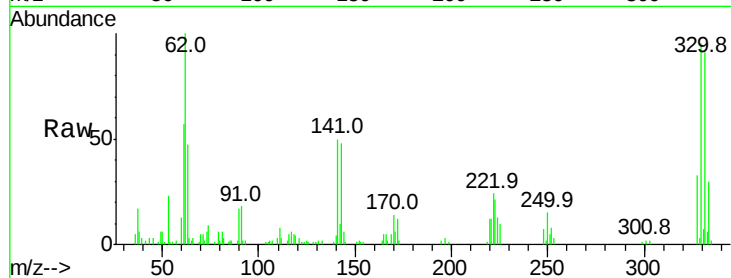




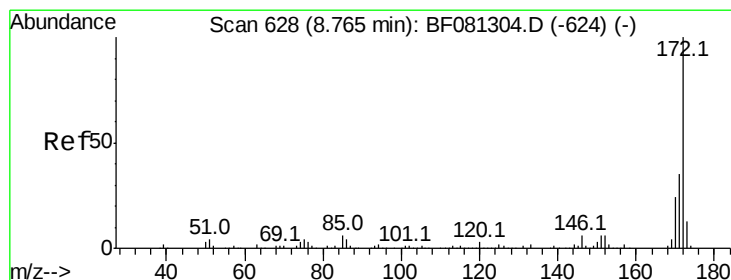
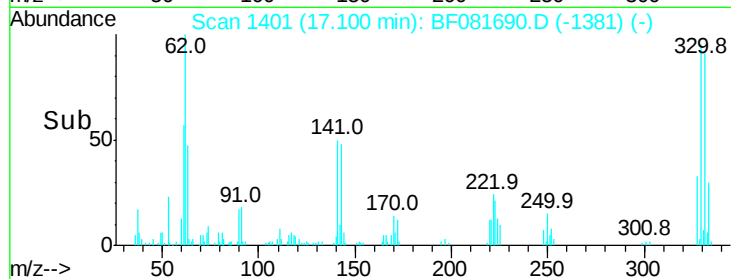
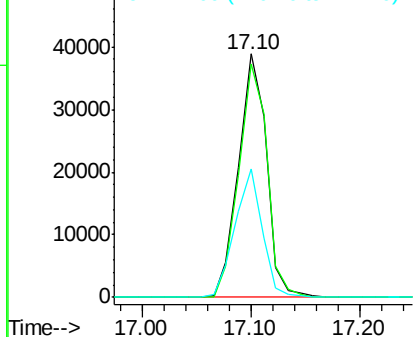
#41
 2,4,6-Tribromophenol
 Concen: 96.58 ng
 RT: 17.10 min Scan# 1401
 Delta R.T. -0.07 min
 Lab File: BF081690.D
 Acq: 17 Sep 2015 21:57

Instrument :
 BNA_F
 ClientSampleId :
 LIME-TOPSOILRE

Tgt Ion:330 Resp: 69408
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 51.0 29.7 44.5#

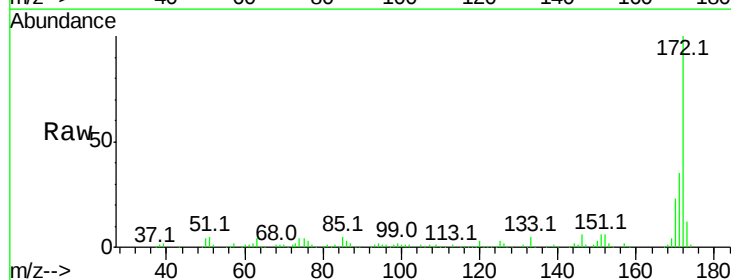


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

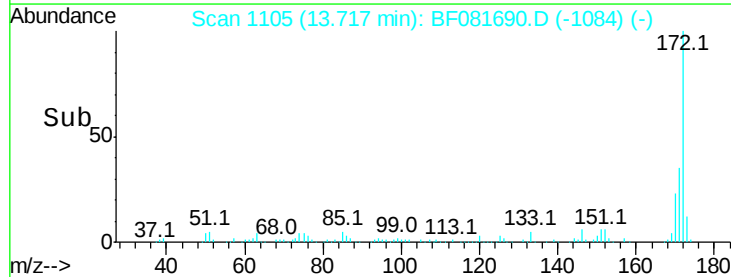
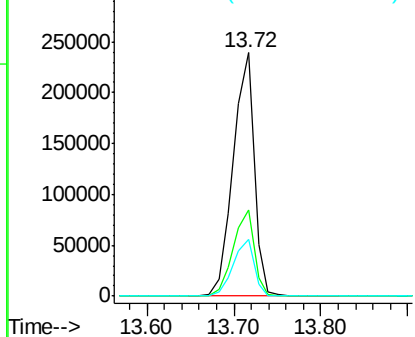


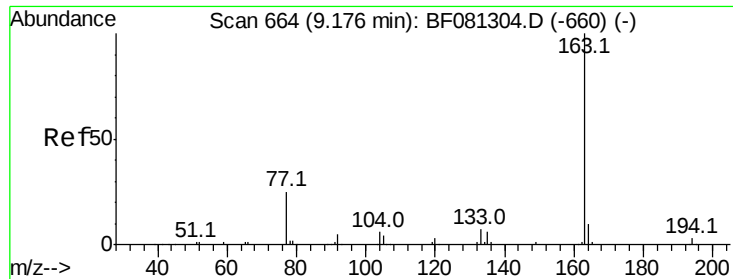
#44
 2-Fluorobiphenyl
 Concen: 63.87 ng
 RT: 13.72 min Scan# 1105
 Delta R.T. -0.06 min
 Lab File: BF081690.D
 Acq: 17 Sep 2015 21:57

Tgt Ion:172 Resp: 402239
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 23.1 17.4 26.2



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: 15.28 ng

RT: 14.77 min Scan# 1197

Delta R.T. -0.09 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOILRE

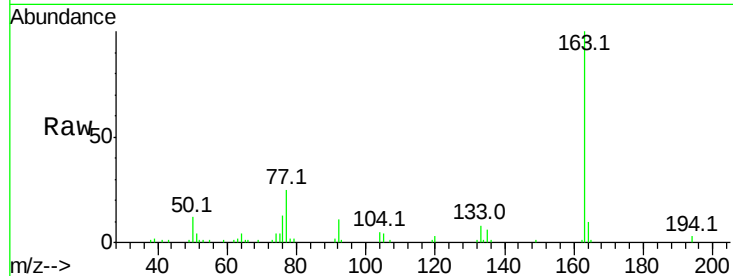
Tgt Ion:163 Resp: 95825

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

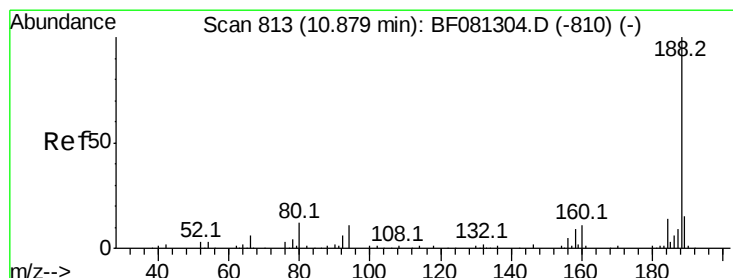
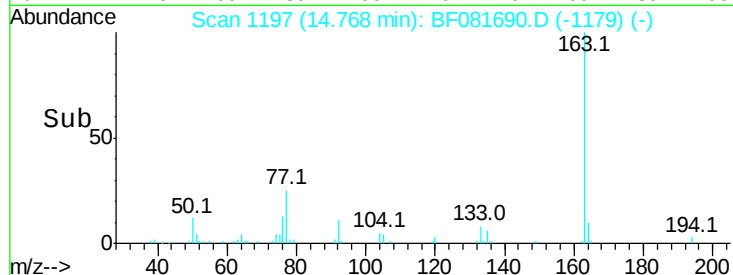
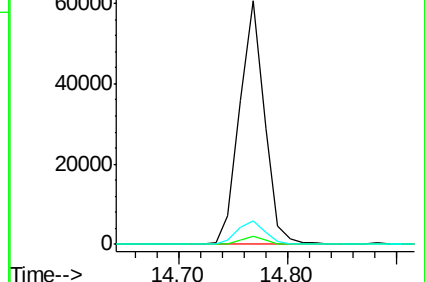
164 9.6 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.70 min Scan# 1541

Delta R.T. -0.06 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

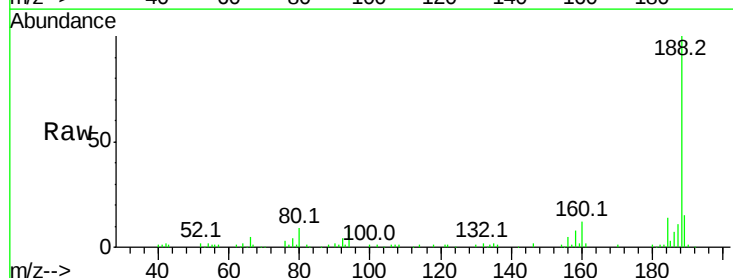
Tgt Ion:188 Resp: 140500

Ion Ratio Lower Upper

188 100

94 8.6 11.1 16.7#

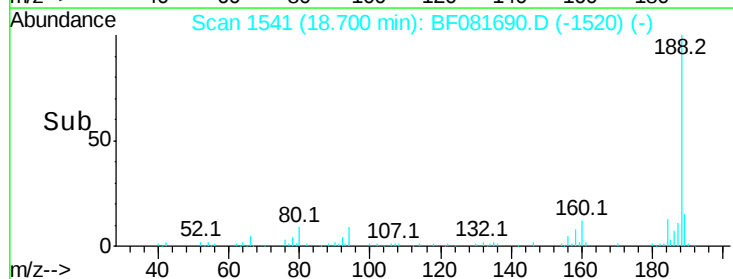
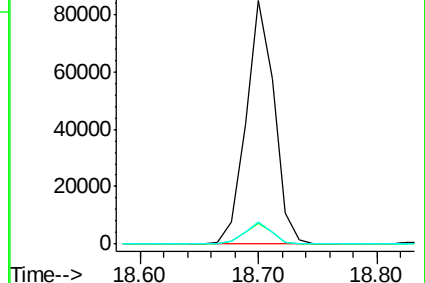
80 9.2 11.0 16.4#

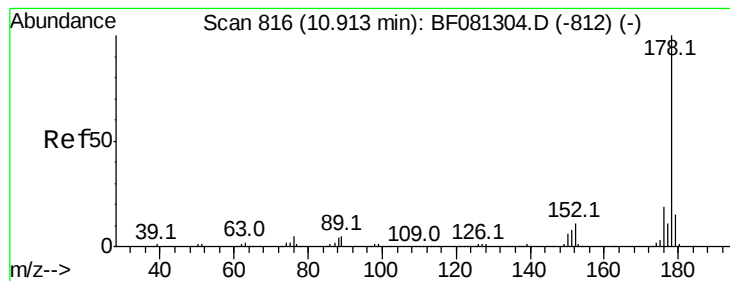


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.85 ng m

RT: 18.76 min Scan# 1546

Delta R.T. -0.07 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

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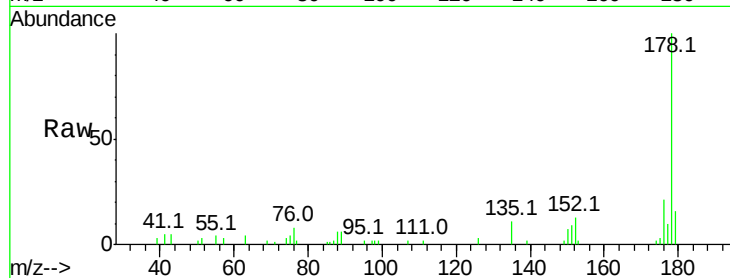
Tgt Ion:178 Resp: 37863

Ion Ratio Lower Upper

178 100

176 21.0 13.8 20.8#

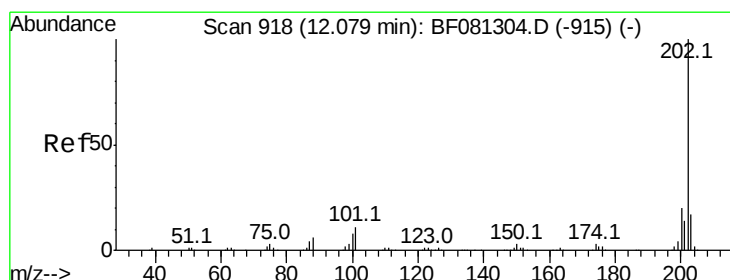
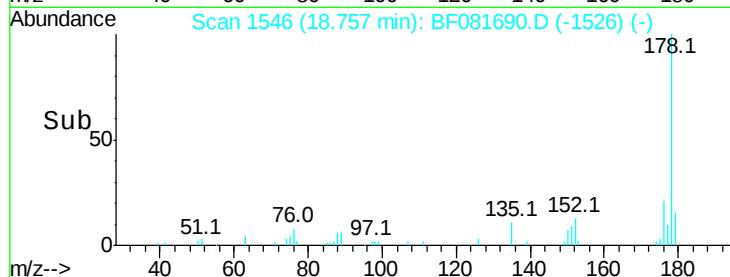
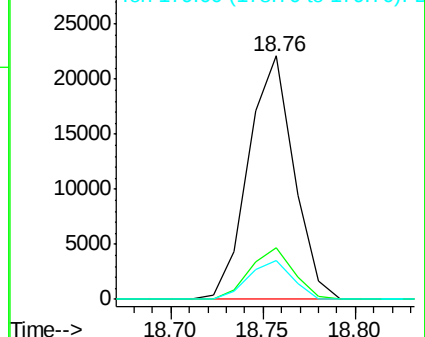
179 16.1 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 11.10 ng

RT: 21.39 min Scan# 1776

Delta R.T. -0.04 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

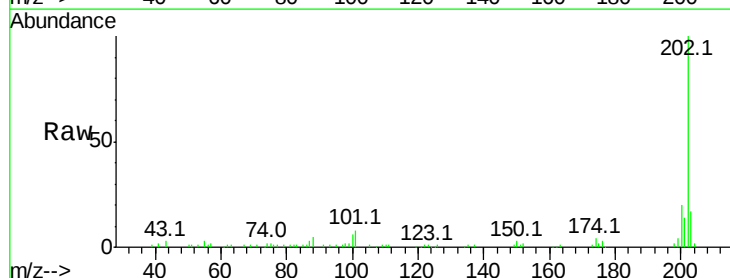
Tgt Ion:202 Resp: 93825

Ion Ratio Lower Upper

202 100

101 7.6 0.0 38.3

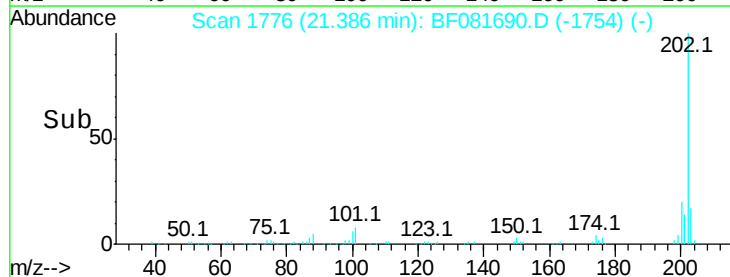
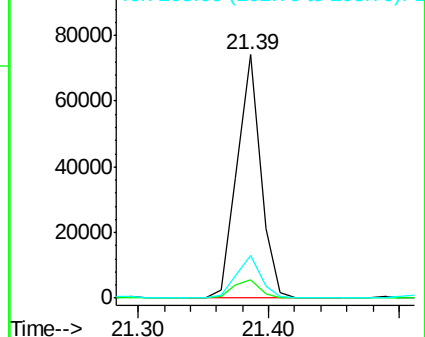
203 17.3 0.0 37.3

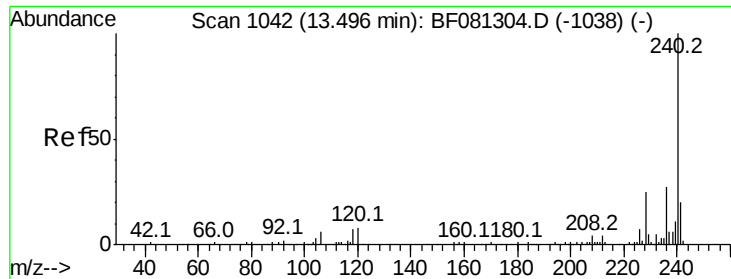


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.35 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

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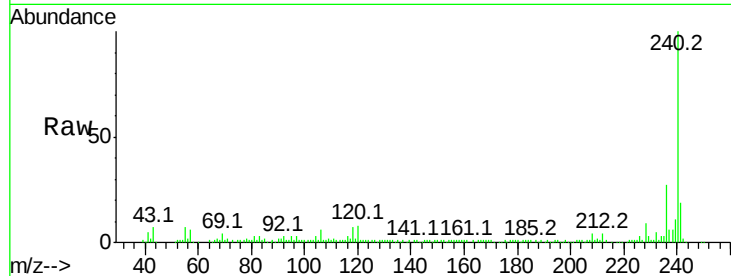
Tgt Ion:240 Resp: 93356

Ion Ratio Lower Upper

240 100

120 7.9 16.2 24.2#

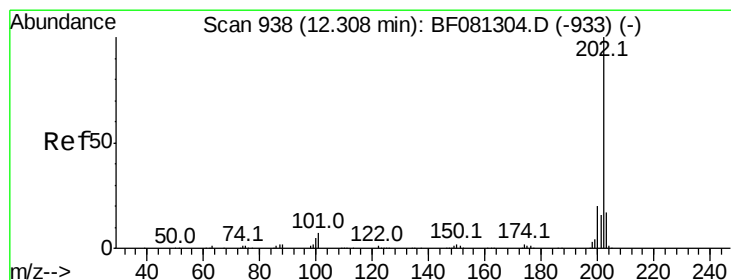
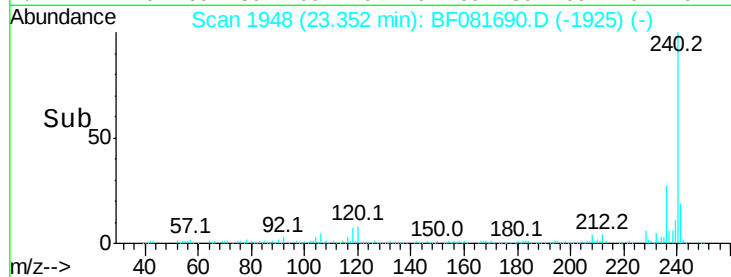
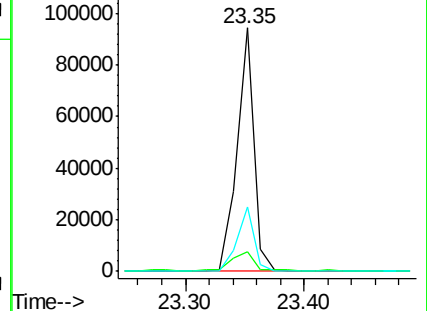
236 26.6 18.4 27.6



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



#77

Pyrene

Concen: 11.60 ng

RT: 21.74 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

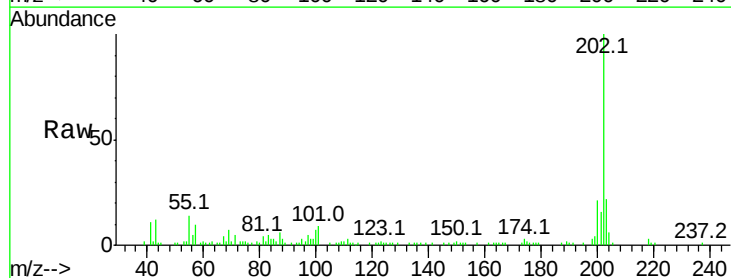
Tgt Ion:202 Resp: 80237

Ion Ratio Lower Upper

202 100

200 20.8 15.0 22.4

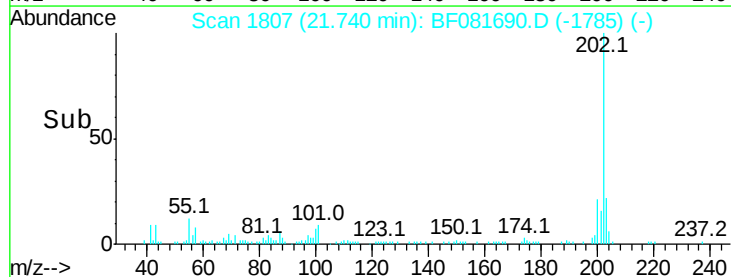
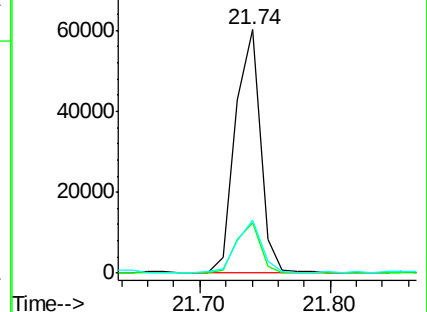
203 21.9 14.1 21.1#

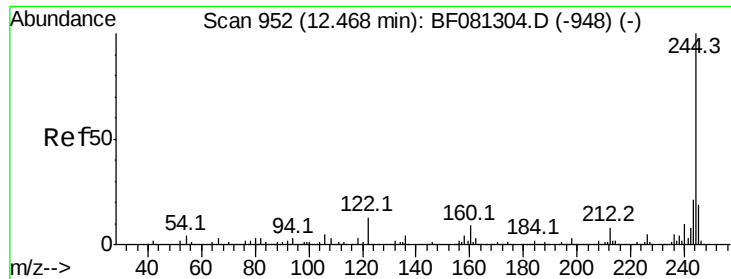


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.23 ng

RT: 22.07 min Scan# 1836

Delta R.T. -0.04 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOILRE

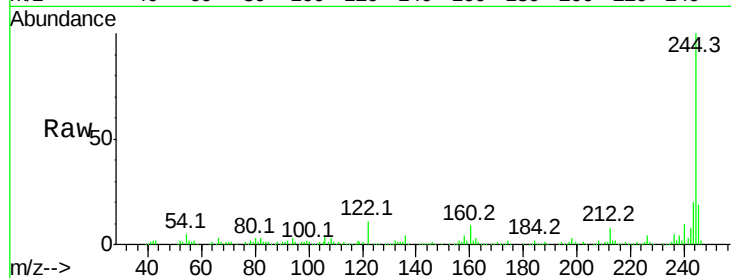
Tgt Ion:244 Resp: 221485

Ion Ratio Lower Upper

244 100

212 8.1 4.3 6.5#

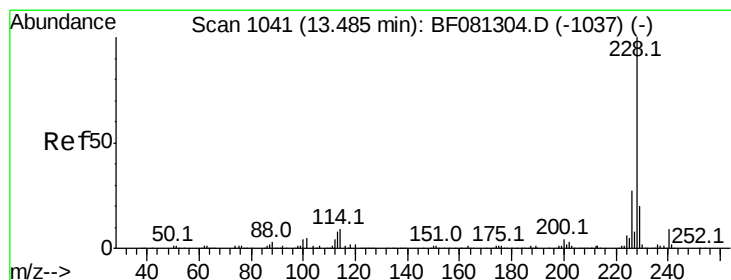
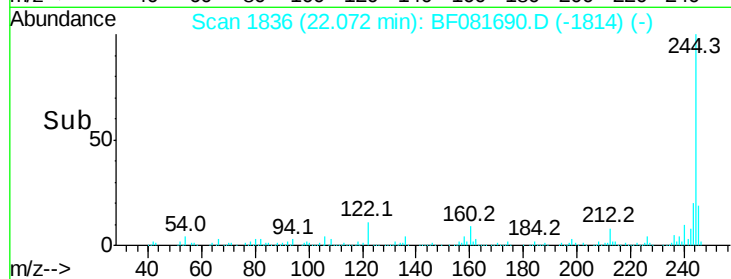
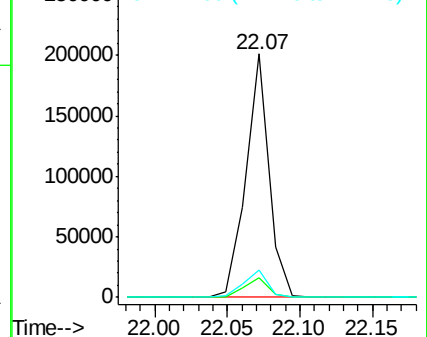
122 11.2 17.4 26.2#



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



#80

Benzo(a)anthracene

Concen: 6.44 ng

RT: 23.34 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

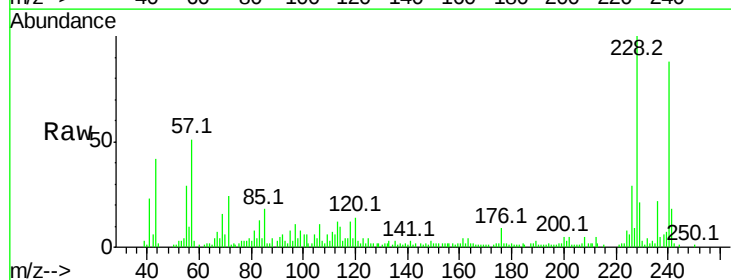
Tgt Ion:228 Resp: 38311

Ion Ratio Lower Upper

228 100

226 28.9 20.0 30.0

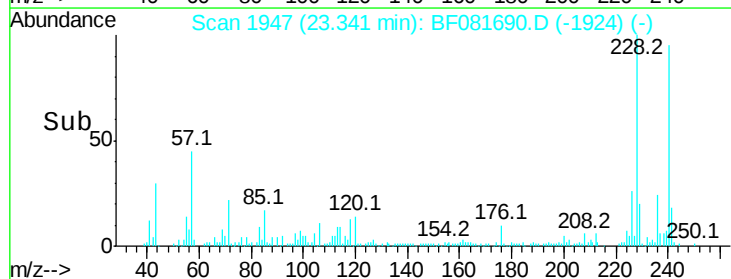
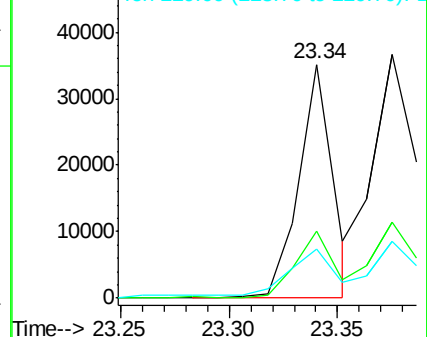
229 20.8 15.4 23.2

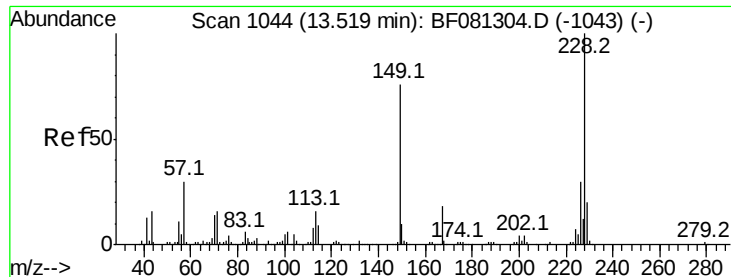


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.54 ng m

RT: 23.37 min Scan# 1950

Delta R.T. -0.04 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOILRE

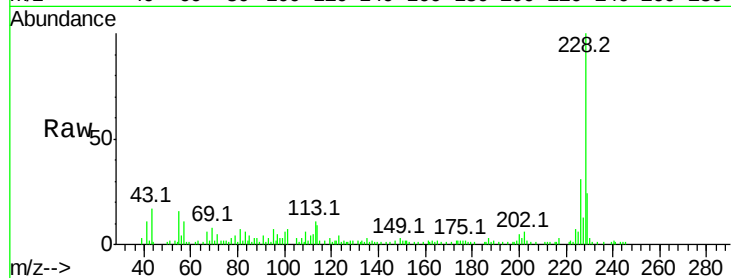
Tgt Ion:228 Resp: 50853

Ion Ratio Lower Upper

228 100

226 31.3 21.0 31.4

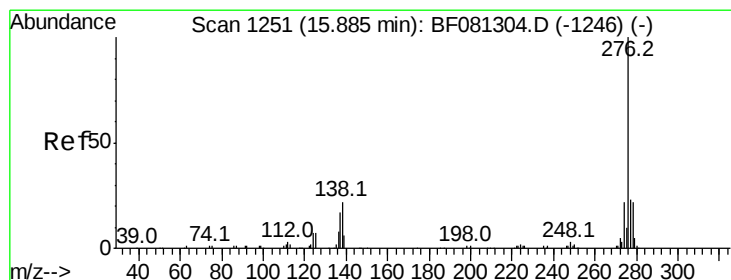
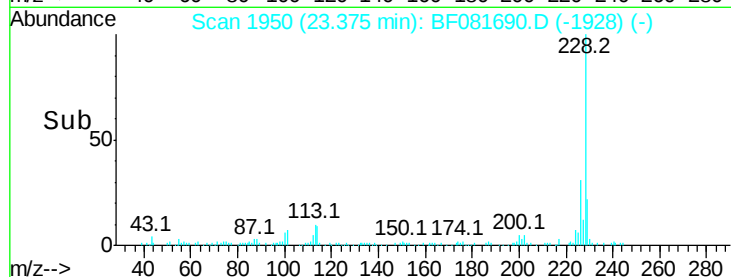
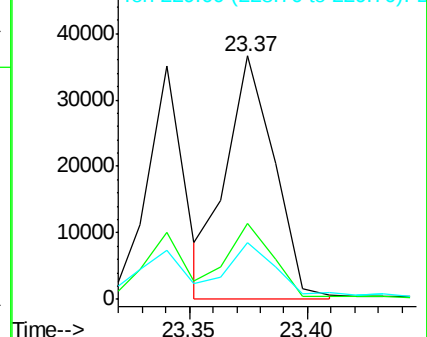
229 23.5 15.6 23.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.38 ng

RT: 25.83 min Scan# 2165

Delta R.T. -0.04 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

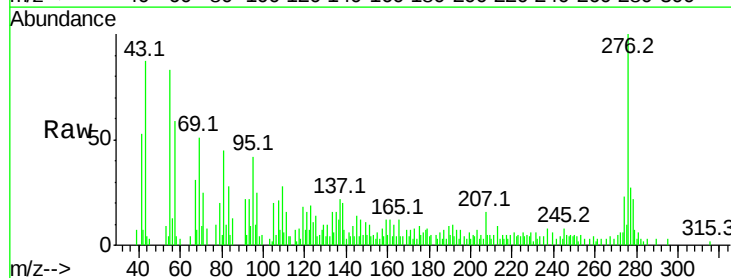
Tgt Ion:276 Resp: 21017

Ion Ratio Lower Upper

276 100

138 18.0 25.7 38.5#

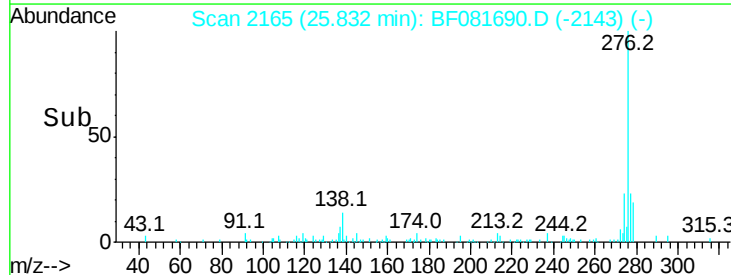
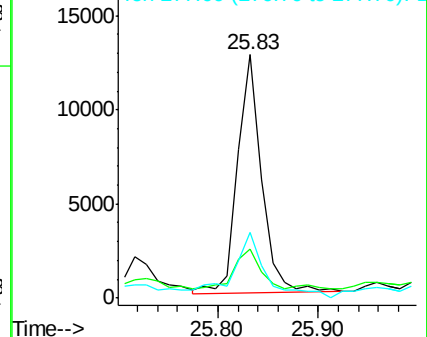
277 39.0 15.6 23.4#

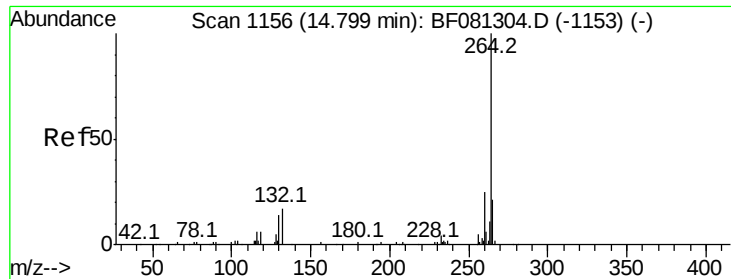


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

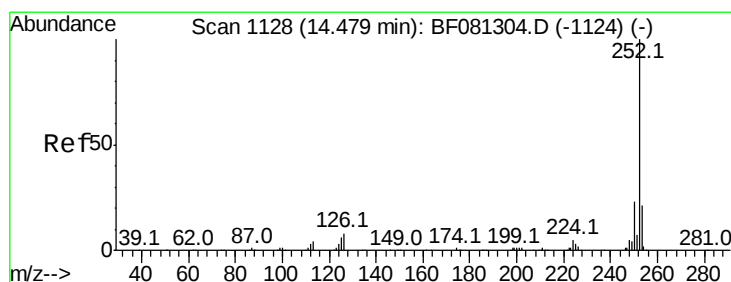
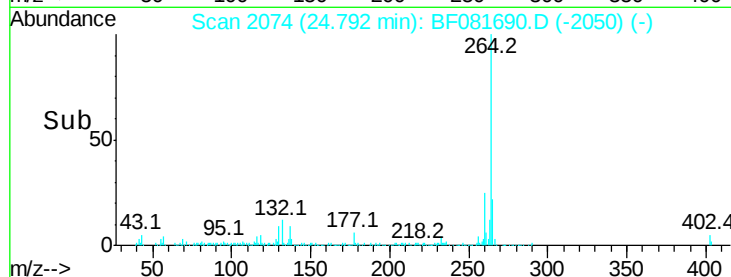
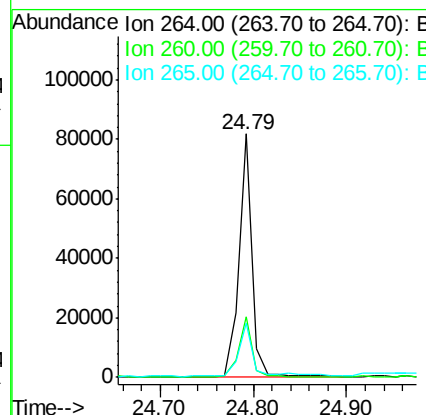
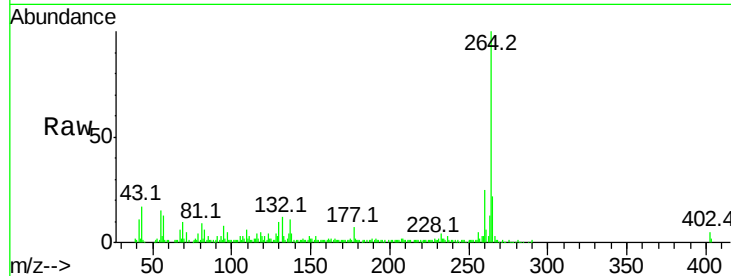




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 2074
Delta R.T. -0.02 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

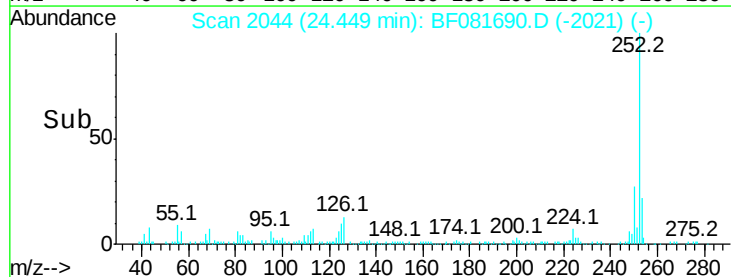
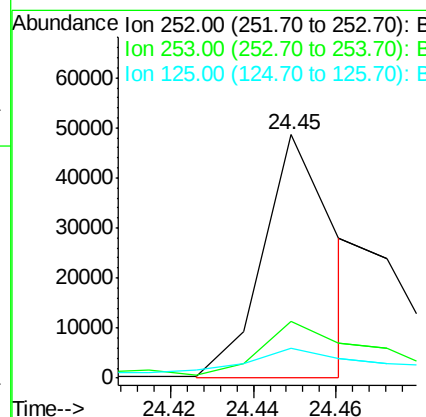
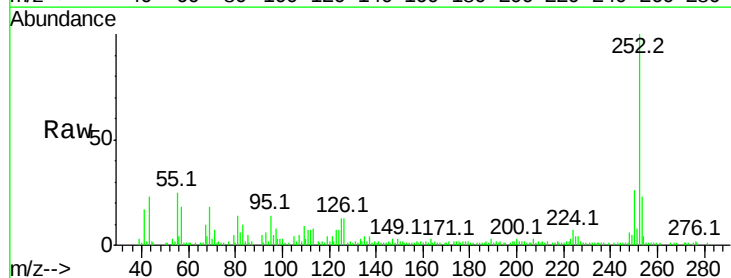
Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

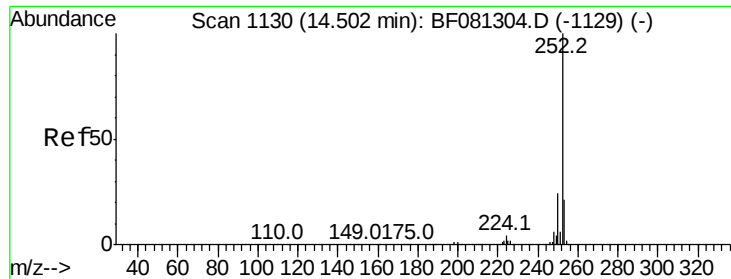
Tgt Ion:264 Resp: 81186
Ion Ratio Lower Upper
264 100
260 24.8 16.7 25.1
265 22.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 10.16 ng m
RT: 24.45 min Scan# 2044
Delta R.T. -0.03 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:252 Resp: 58881
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 12.5 17.1 25.7#





#88

Benzo(k)fluoranthene

Concen: 4.50 ng m

RT: 24.46 min Scan# 2045

Delta R.T. -0.04 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOILRE

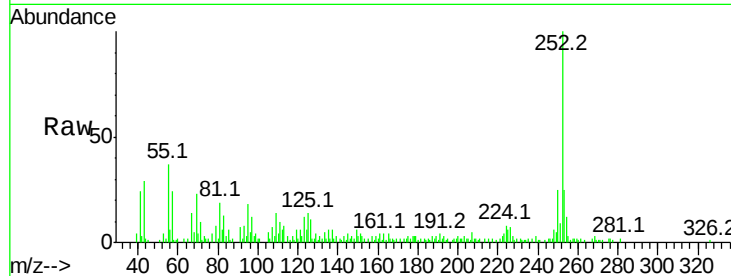
Tgt Ion:252 Resp: 21623

Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.4

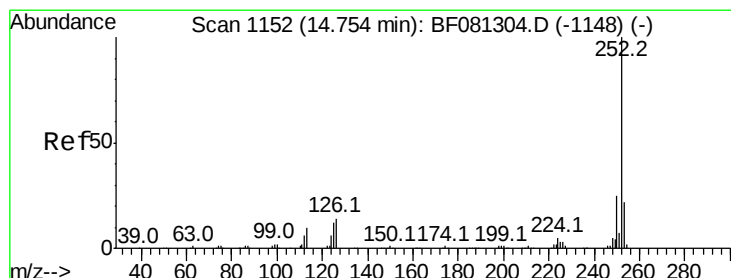
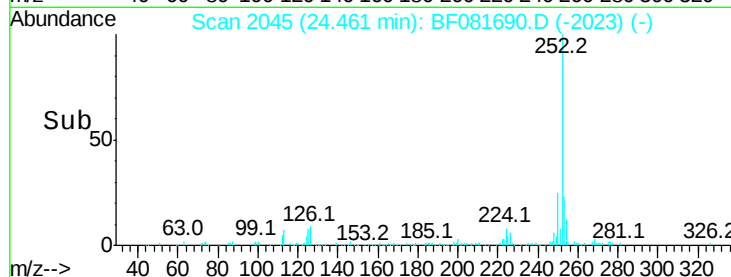
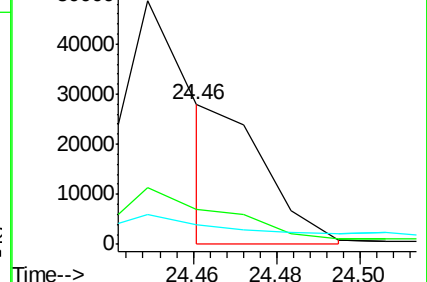
125 13.6 16.0 24.0#



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



#89

Benzo(a)pyrene

Concen: 7.10 ng m

RT: 24.75 min Scan# 2070

Delta R.T. -0.02 min

Lab File: BF081690.D

Acq: 17 Sep 2015 21:57

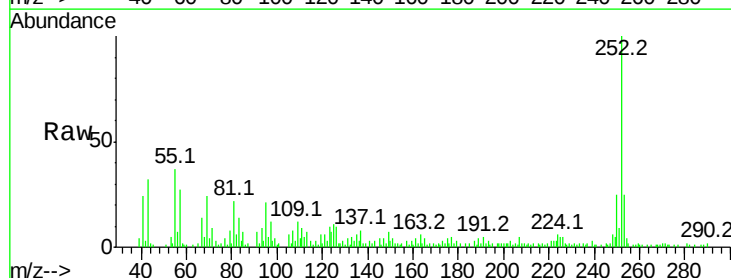
Tgt Ion:252 Resp: 34881

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

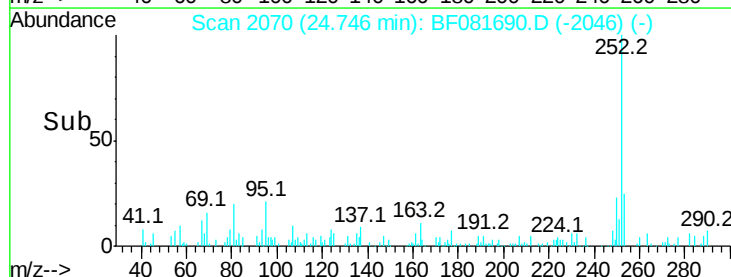
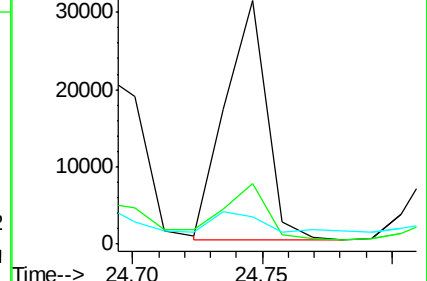
125 11.1 18.0 27.0#

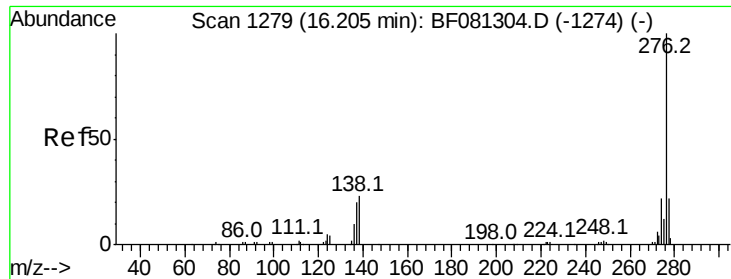


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.47 ng

RT: 26.14 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF081690.D

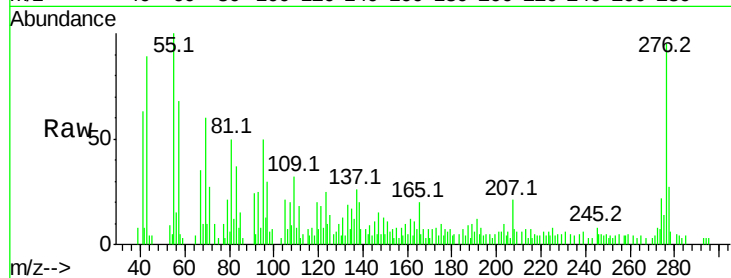
Acq: 17 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOILRE



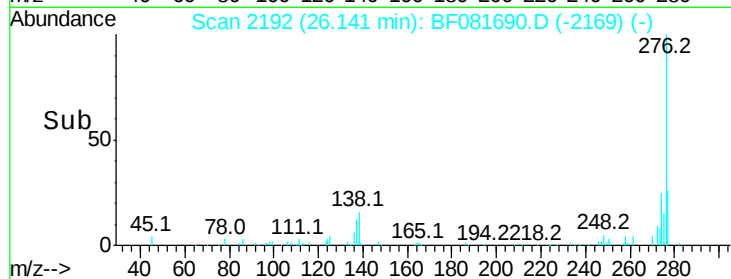
Tgt Ion: 276 Resp: 19825

Ion Ratio Lower Upper

276 100

277 28.9 17.8 26.6#

138 21.2 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

