

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
 Data File : BF081673.D
 Acq On : 17 Sep 2015 9:05
 Operator : UM/IZ
 Sample : G3689-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIME-TOPSOIL

Quant Time: Sep 17 13:32:14 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

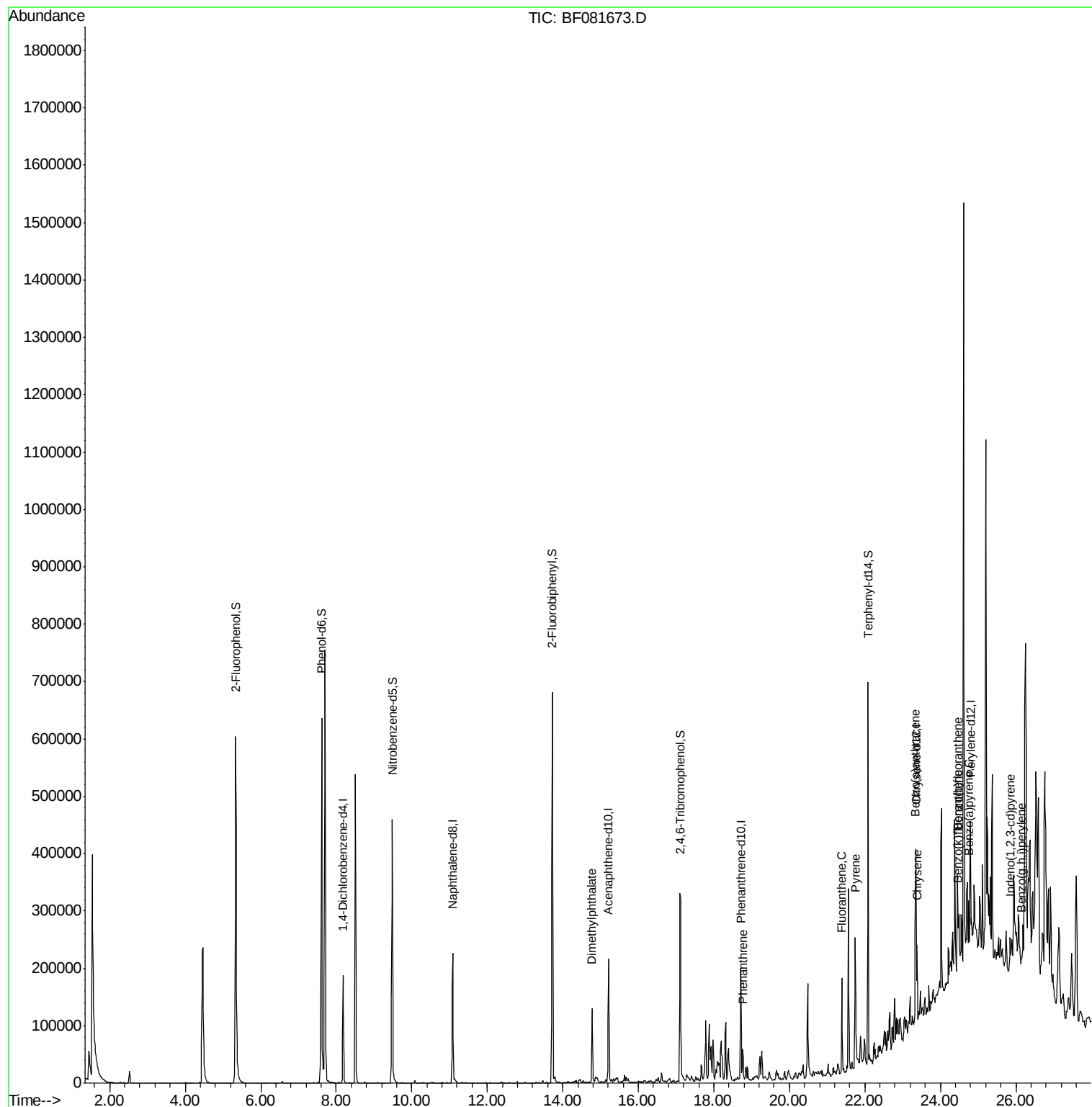
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	45944	20.00	ng	-0.03
21) Naphthalene-d8	11.09	136	173952	20.00	ng	-0.03
38) Acenaphthene-d10	15.21	164	75557	20.00	ng	-0.05
63) Phenanthrene-d10	18.72	188	126604	20.00	ng	-0.03
75) Chrysene-d12	23.36	240	99054	20.00	ng	-0.02
86) Perylene-d12	24.80	264	76464	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	284250	95.99	ng	-0.01
7) Phenol-d6	7.61	99	399249	101.86	ng	-0.03
23) Nitrobenzene-d5	9.49	82	260641	72.29	ng	-0.05
41) 2,4,6-Tribromophenol	17.12	330	61293	91.11	ng	-0.05
44) 2-Fluorobiphenyl	13.73	172	388368	65.87	ng	-0.05
78) Terphenyl-d14	22.08	244	227376	53.43	ng	-0.03
Target Compounds						
49) Dimethylphthalate	14.78	163	90817	15.47	ng	Qvalue # 97
70) Phenanthrene	18.77	178	35098	4.99	ng	95
74) Fluoranthene	21.40	202	93432	12.26	ng	89
77) Pyrene	21.75	202	82311	11.22	ng	97
80) Benzo(a)anthracene	23.35	228	43412	6.88	ng	94
82) Chrysene	23.38	228	54230	9.59	ng	92
85) Indeno(1,2,3-cd)pyrene	25.84	276	18347	4.42	ng	# 82
87) Benzo(b)fluoranthene	24.46	252	65001m	11.91	ng	
88) Benzo(k)fluoranthene	24.47	252	19377m	4.28	ng	
89) Benzo(a)pyrene	24.74	252	34718	7.51	ng	# 90
91) Benzo(g,h,i)perylene	26.15	276	17378	5.09	ng	# 78

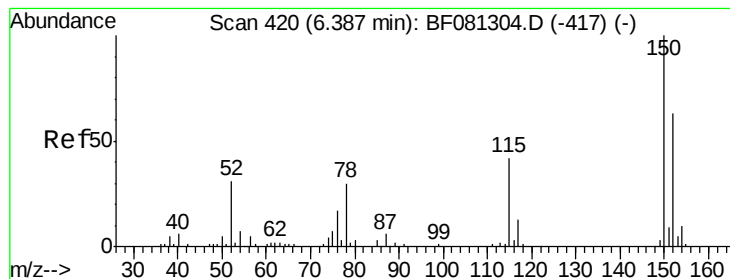
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.18 min Scan# 599

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOIL

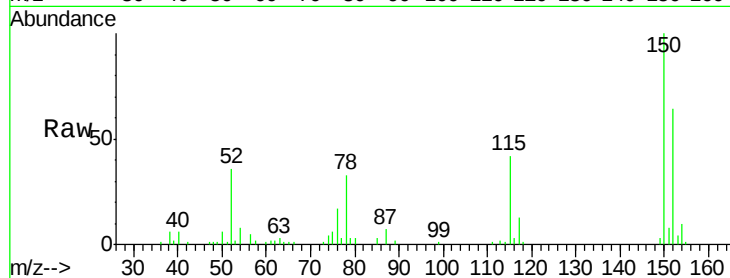
Tgt Ion:152 Resp: 45944

Ion Ratio Lower Upper

152 100

150 156.1 124.7 187.1

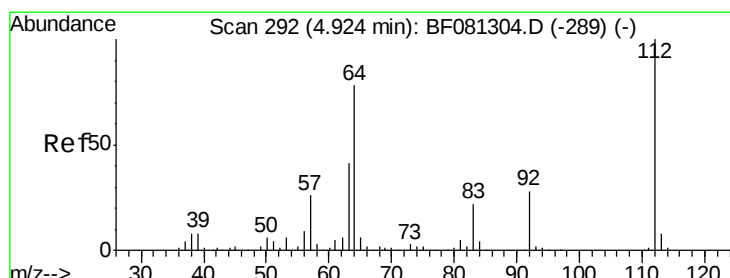
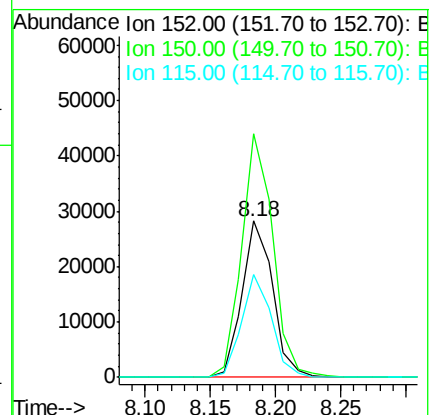
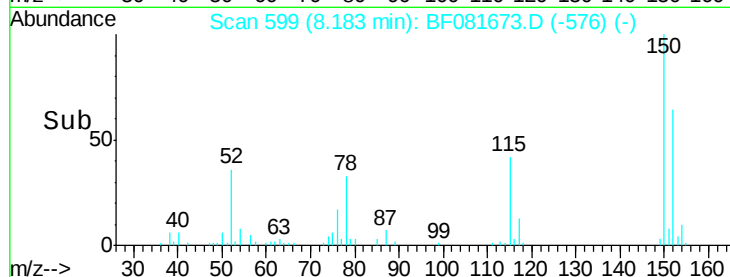
115 66.2 39.0 58.4#



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: 95.99 ng

RT: 5.34 min Scan# 350

Delta R.T. -0.01 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

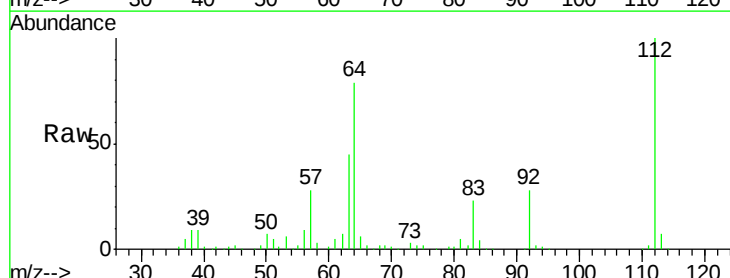
Tgt Ion:112 Resp: 284250

Ion Ratio Lower Upper

112 100

64 78.6 39.7 59.5#

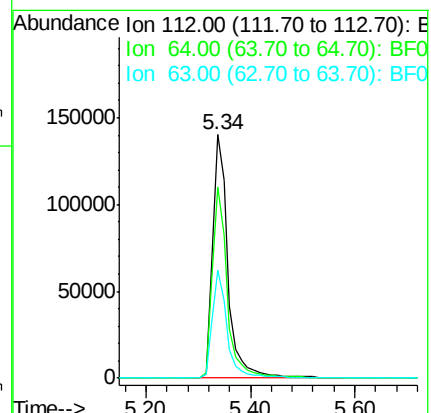
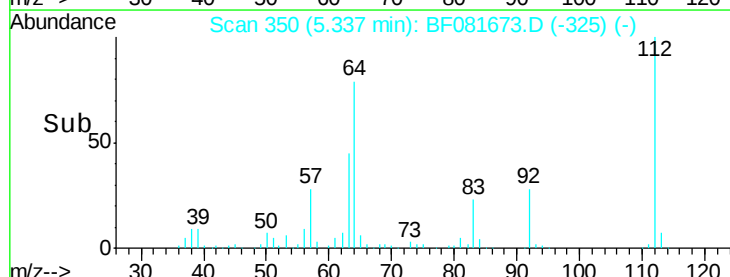
63 44.5 17.4 26.0#



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: 101.86 ng

RT: 7.61 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

Instrument :

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ClientSampleId :

LIME-TOPSOIL

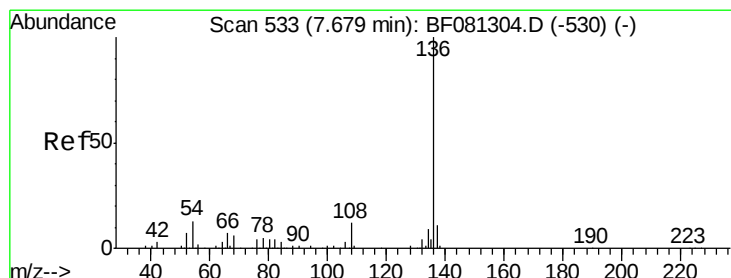
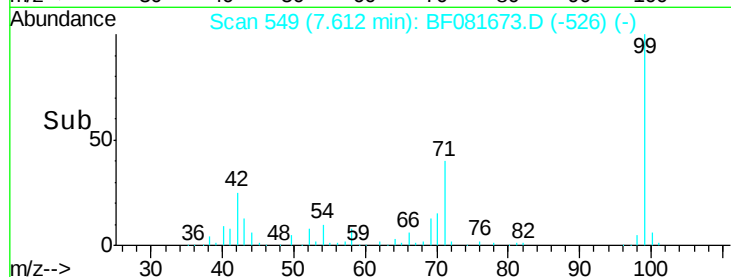
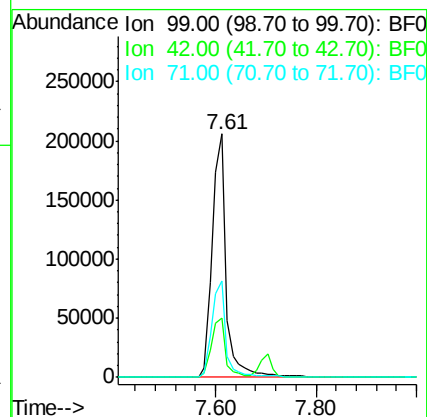
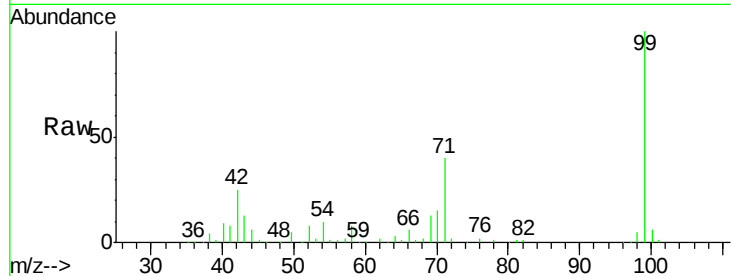
Tgt Ion: 99 Resp: 399249

Ion Ratio Lower Upper

99 100

42 24.5 13.7 20.5#

71 39.9 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.09 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

Tgt Ion: 136 Resp: 173952

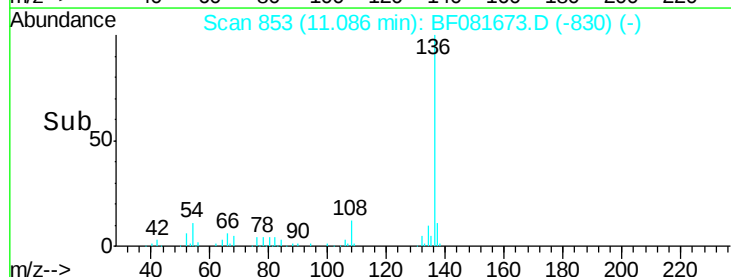
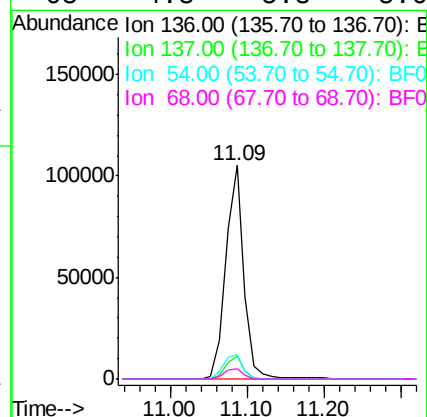
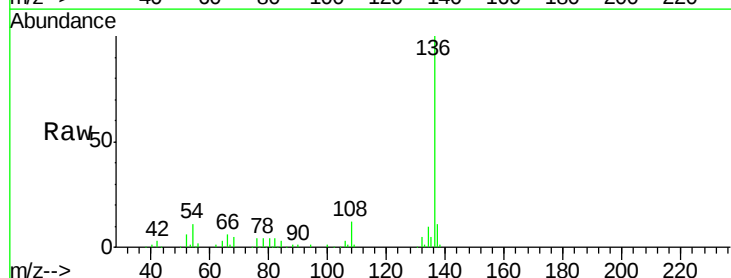
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 11.1 8.2 12.2

68 4.8 5.8 8.6#

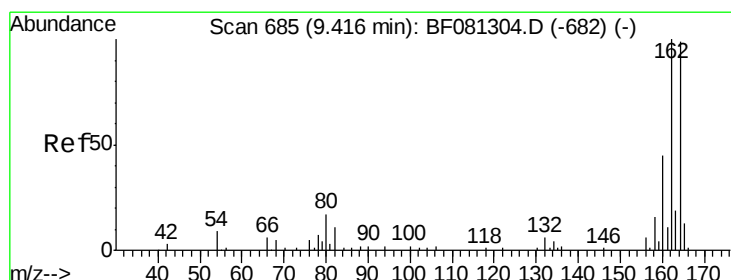
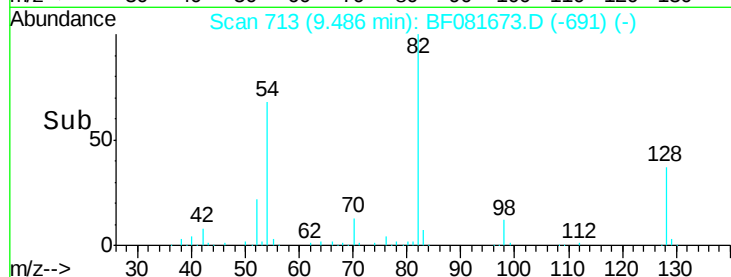
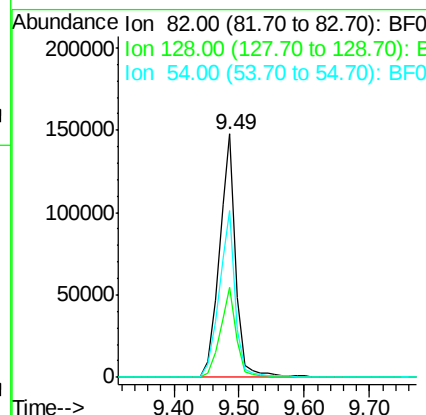
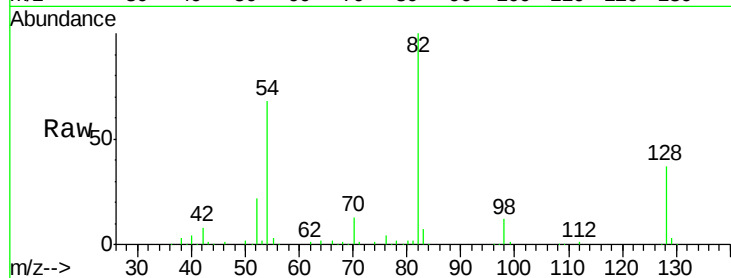




#23
 Nitrobenzene-d5
 Concen: 72.29 ng
 RT: 9.49 min Scan# 713
 Delta R.T. -0.05 min
 Lab File: BF081673.D
 Acq: 17 Sep 2015 9:05

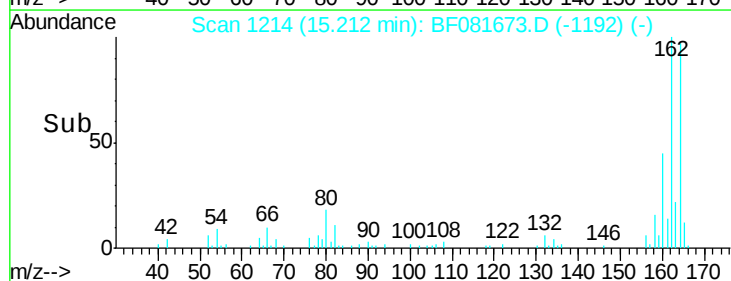
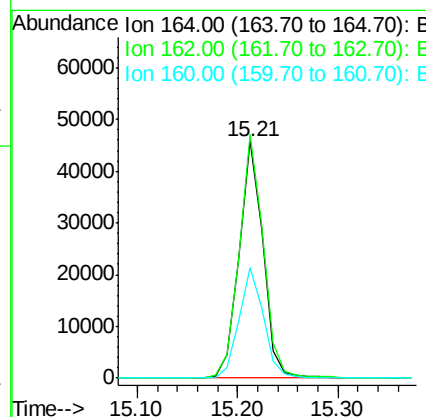
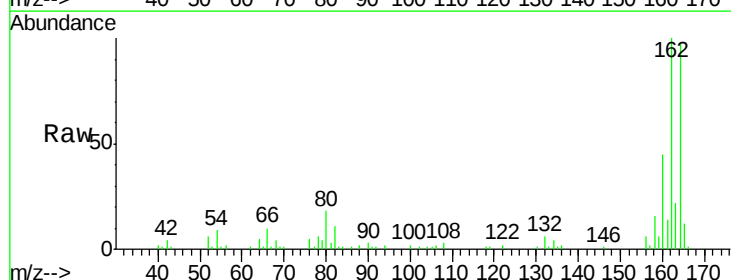
Instrument :
 BNA_F
 ClientSampleId :
 LIME-TOPSOIL

Tgt Ion: 82 Resp: 260641
 Ion Ratio Lower Upper
 82 100
 128 37.2 51.0 76.6#
 54 68.3 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF081673.D
 Acq: 17 Sep 2015 9:05

Tgt Ion: 164 Resp: 75557
 Ion Ratio Lower Upper
 164 100
 162 102.8 75.2 112.8
 160 46.7 31.5 47.3

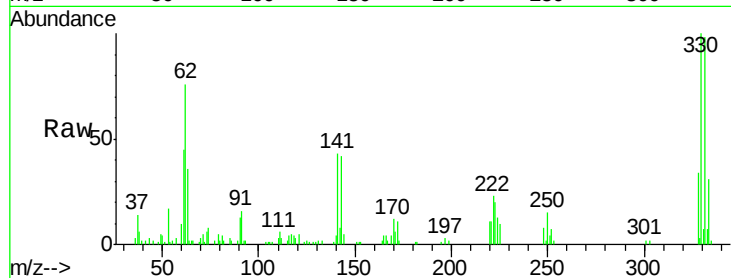




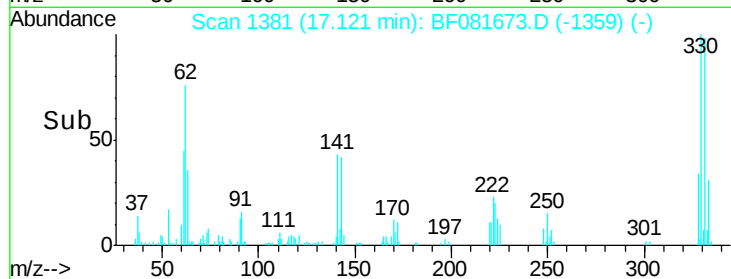
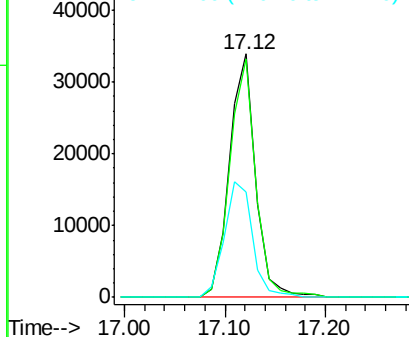
#41
 2,4,6-Tribromophenol
 Concen: 91.11 ng
 RT: 17.12 min Scan# 1381
 Delta R.T. -0.05 min
 Lab File: BF081673.D
 Acq: 17 Sep 2015 9:05

Instrument :
 BNA_F
 ClientSampleId :
 LIME-TOPSOIL

Tgt Ion: 330 Resp: 61293
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 51.0 29.7 44.5#

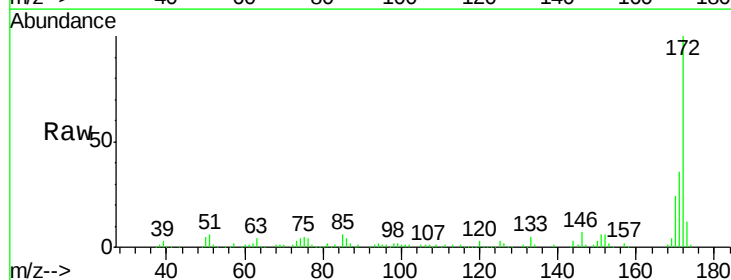


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

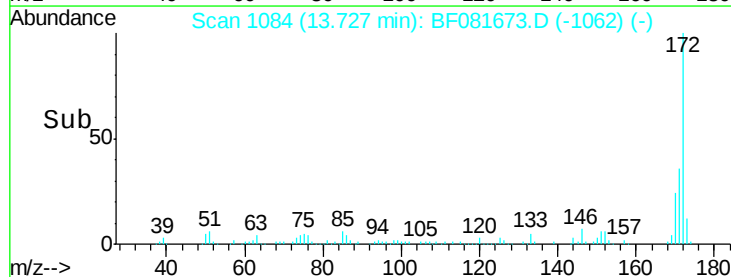
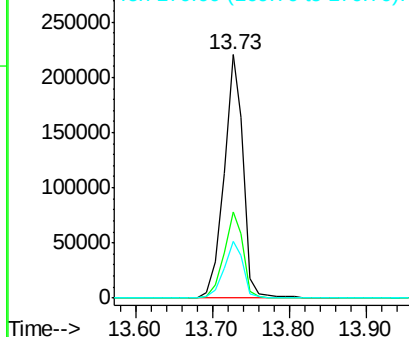


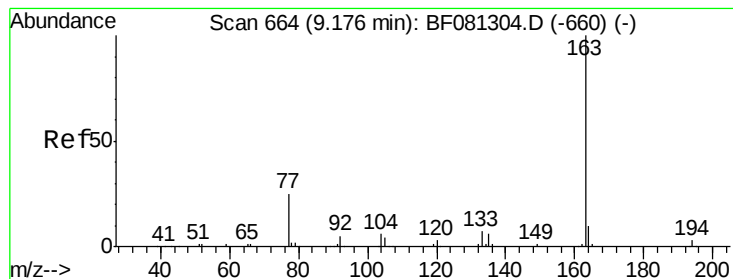
#44
 2-Fluorobiphenyl
 Concen: 65.87 ng
 RT: 13.73 min Scan# 1084
 Delta R.T. -0.05 min
 Lab File: BF081673.D
 Acq: 17 Sep 2015 9:05

Tgt Ion: 172 Resp: 388368
 Ion Ratio Lower Upper
 172 100
 171 35.6 26.1 39.1
 170 23.5 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: 15.47 ng

RT: 14.78 min Scan# 1176

Delta R.T. -0.08 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOIL

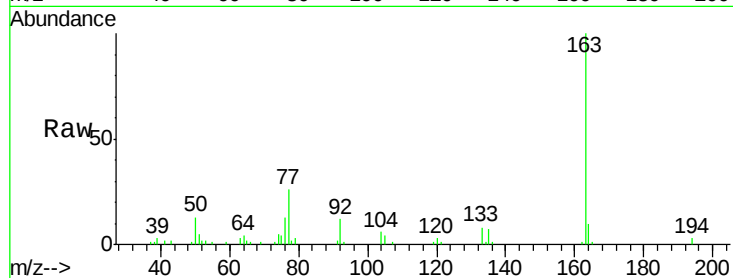
Tgt Ion:163 Resp: 90817

Ion Ratio Lower Upper

163 100

194 2.8 4.4 6.6#

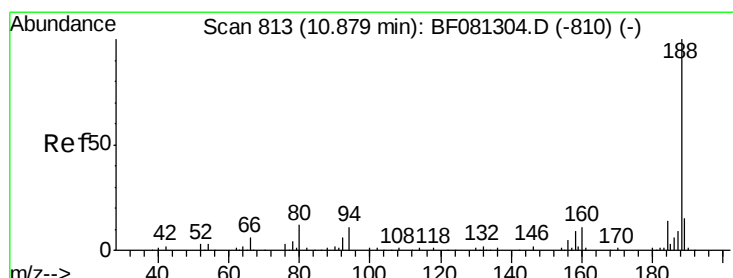
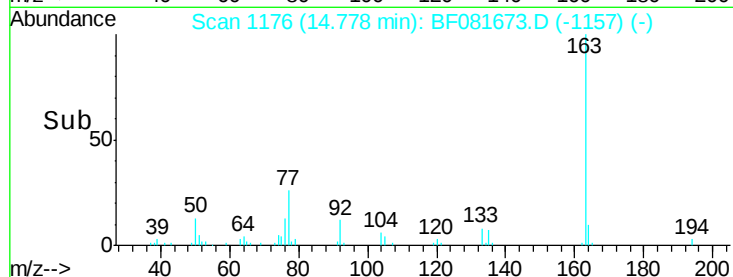
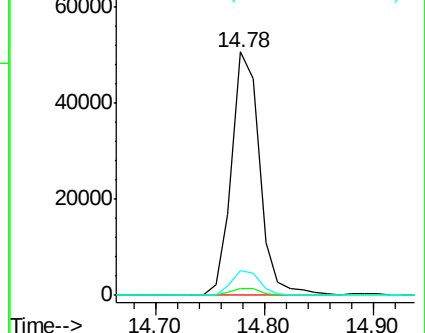
164 10.3 8.3 12.5



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: 18.72 min Scan# 1521

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

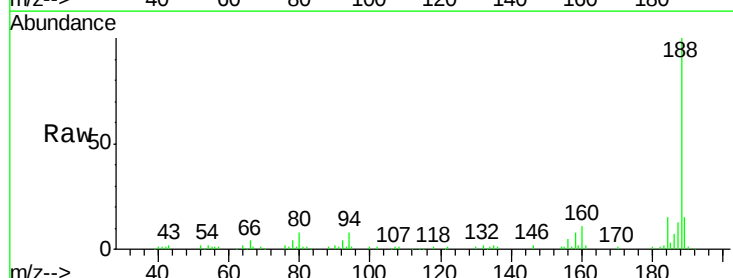
Tgt Ion:188 Resp: 126604

Ion Ratio Lower Upper

188 100

94 7.6 11.1 16.7#

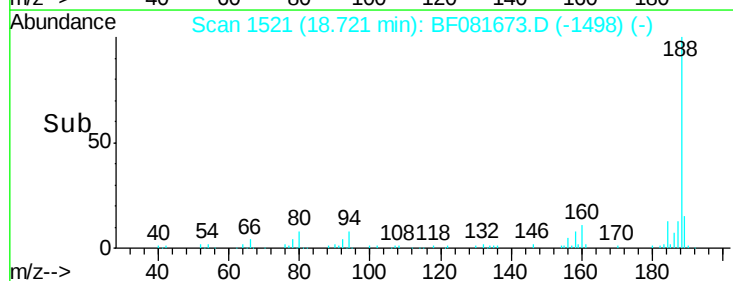
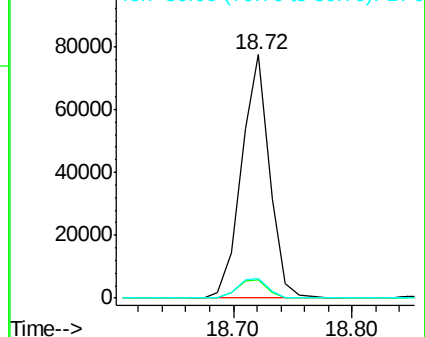
80 8.1 11.0 16.4#

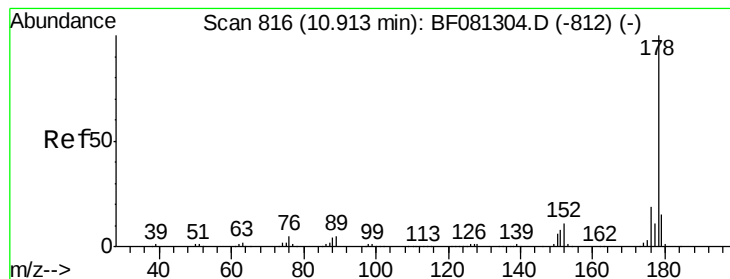


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.99 ng

RT: 18.77 min Scan# 1525

Delta R.T. -0.06 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOIL

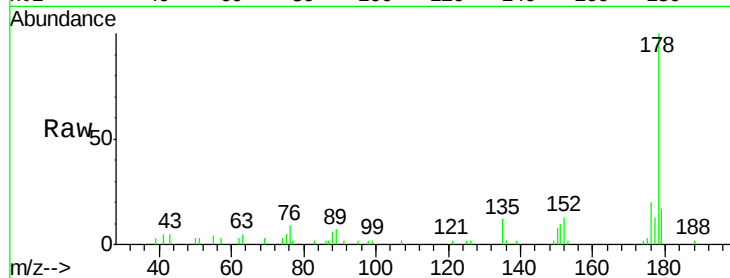
Tgt Ion:178 Resp: 35098

Ion Ratio Lower Upper

178 100

176 19.8 13.8 20.8

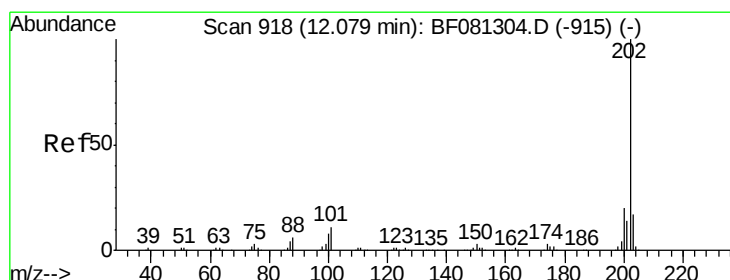
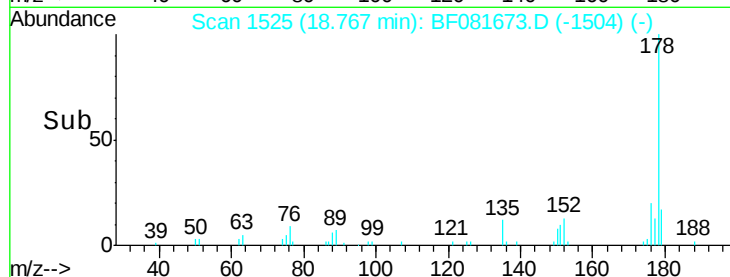
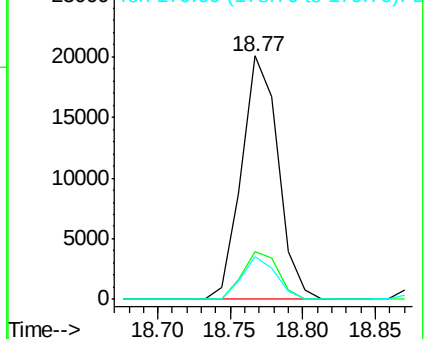
179 17.3 12.2 18.2



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: 12.26 ng

RT: 21.40 min Scan# 1755

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

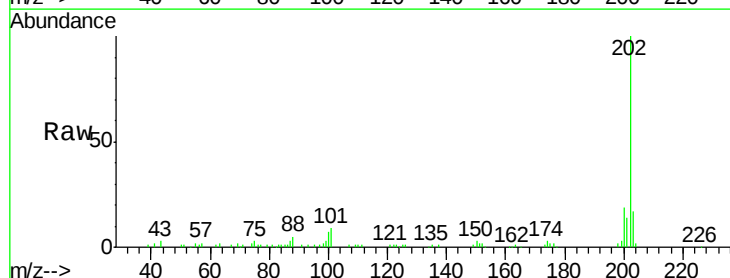
Tgt Ion:202 Resp: 93432

Ion Ratio Lower Upper

202 100

101 9.4 0.0 38.3

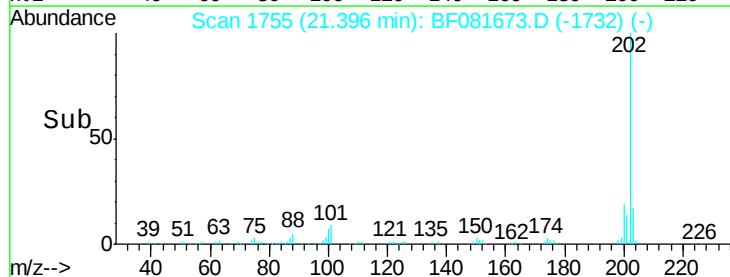
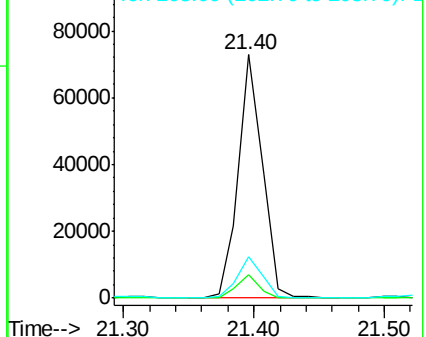
203 17.0 0.0 37.3

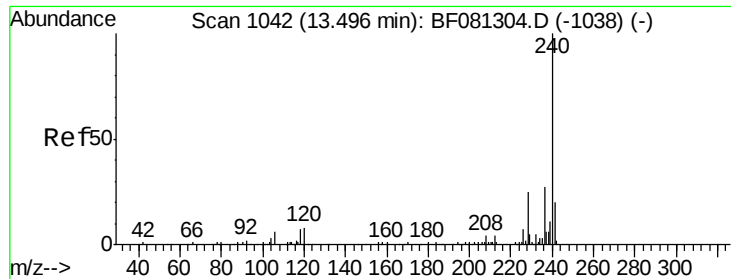


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.36 min Scan# 1927

Delta R.T. -0.02 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

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LIME-TOPSOIL

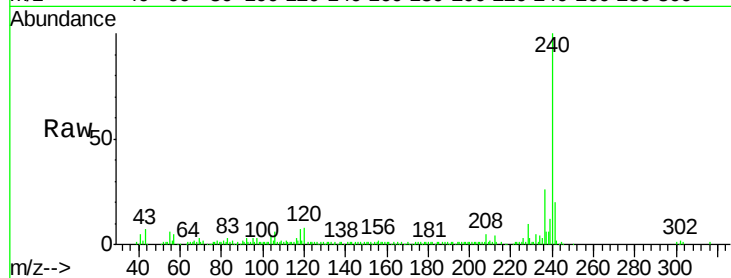
Tgt Ion:240 Resp: 99054

Ion Ratio Lower Upper

240 100

120 8.1 16.2 24.2#

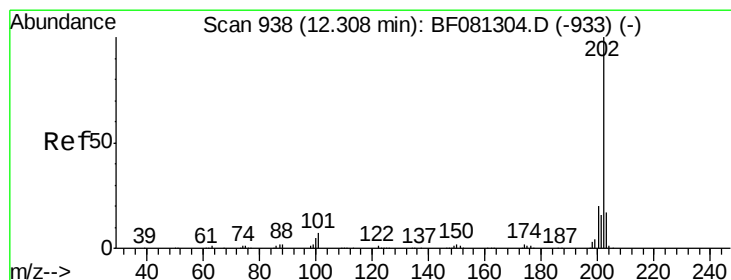
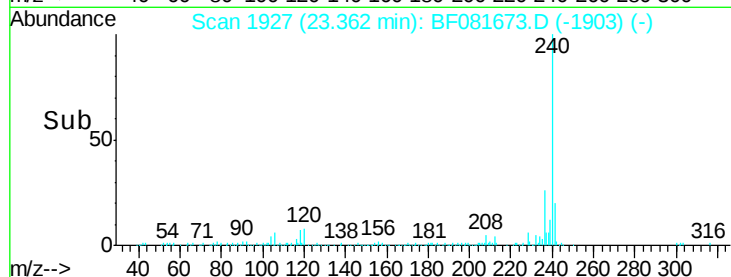
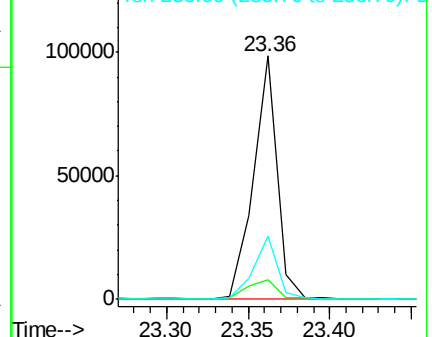
236 25.9 18.4 27.6



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



#77

Pyrene

Concen: 11.22 ng

RT: 21.75 min Scan# 1786

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

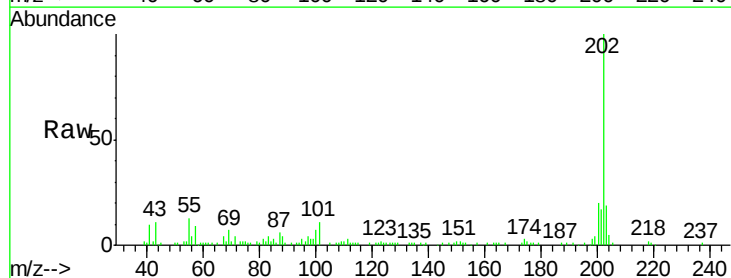
Tgt Ion:202 Resp: 82311

Ion Ratio Lower Upper

202 100

200 19.7 15.0 22.4

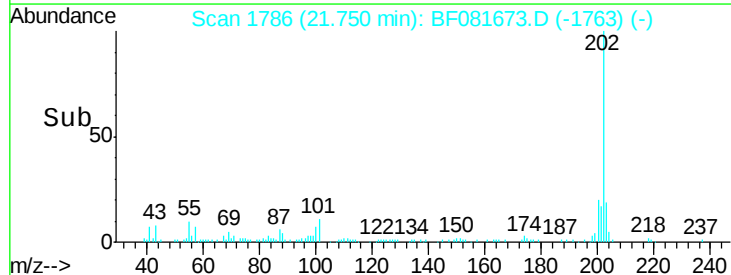
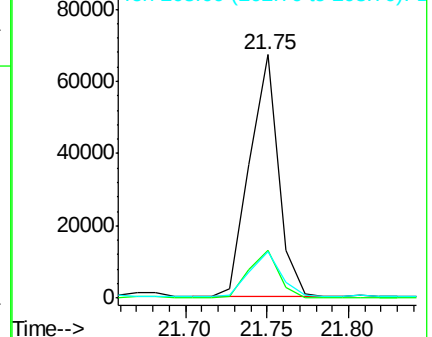
203 19.3 14.1 21.1



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: 53.43 ng

RT: 22.08 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOIL

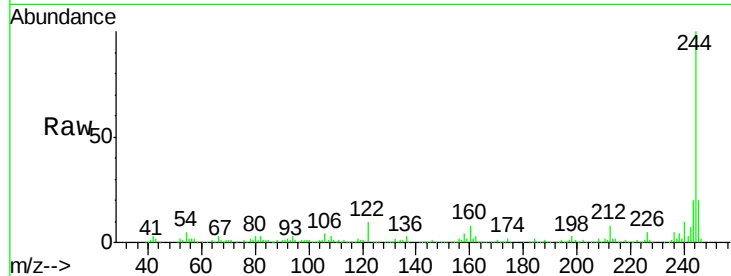
Tgt Ion:244 Resp: 227376

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

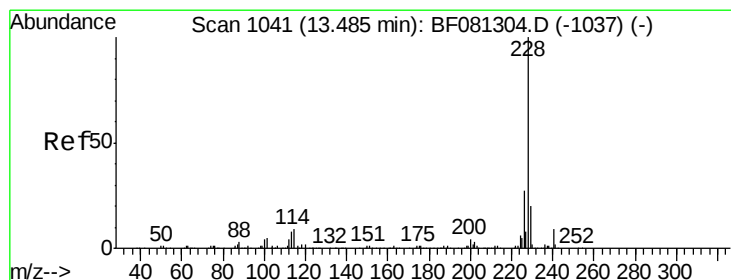
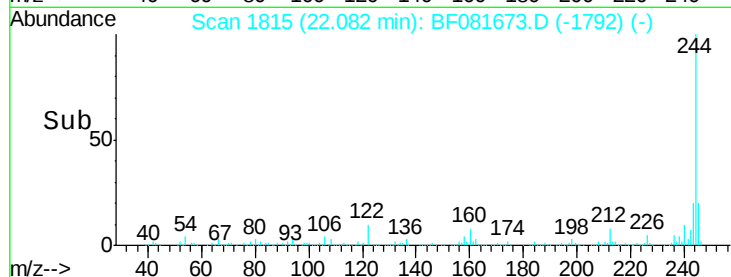
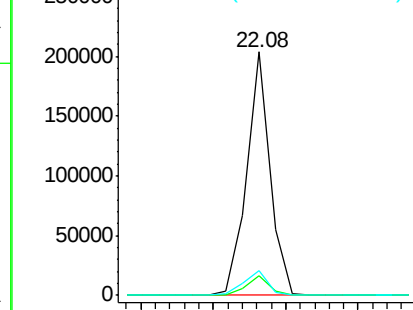
122 10.3 17.4 26.2#



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: 6.88 ng

RT: 23.35 min Scan# 1926

Delta R.T. -0.02 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

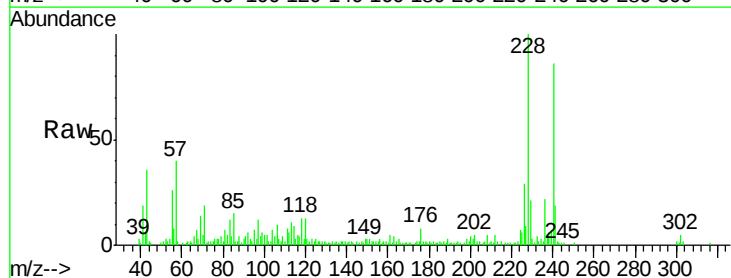
Tgt Ion:228 Resp: 43412

Ion Ratio Lower Upper

228 100

226 28.8 20.0 30.0

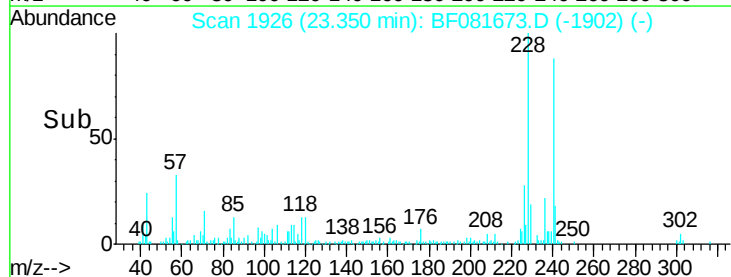
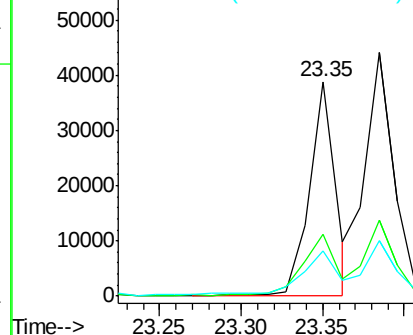
229 21.2 15.4 23.2

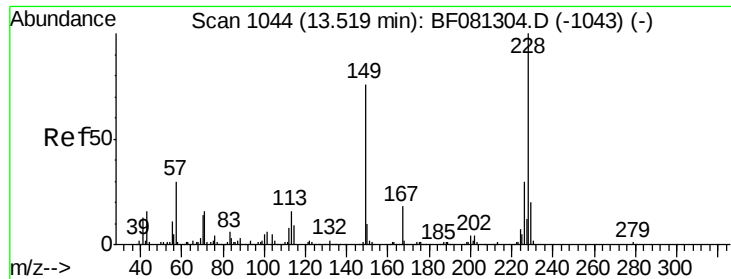


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.59 ng

RT: 23.38 min Scan# 1929

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOIL

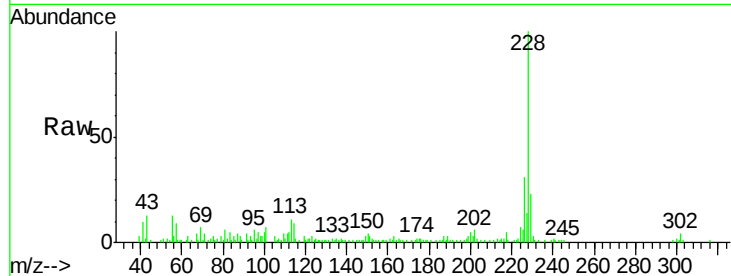
Tgt Ion:228 Resp: 54230

Ion Ratio Lower Upper

228 100

226 31.0 21.0 31.4

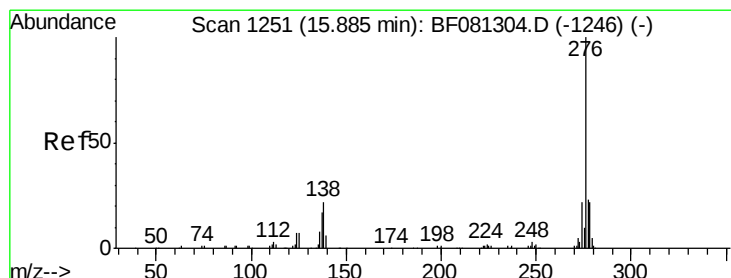
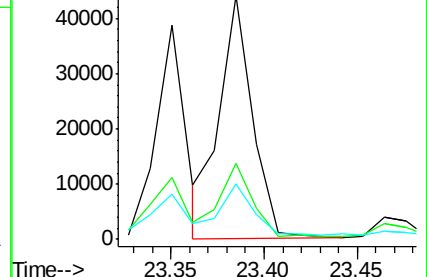
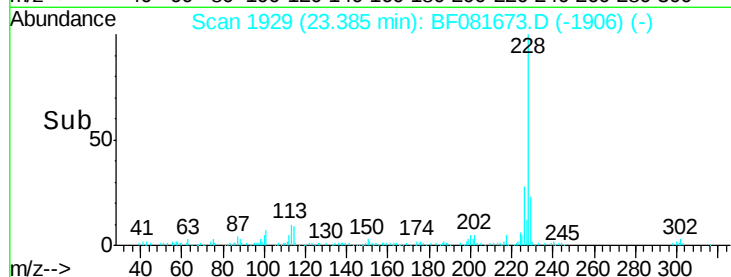
229 22.6 15.6 23.4



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: 4.42 ng

RT: 25.84 min Scan# 2144

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

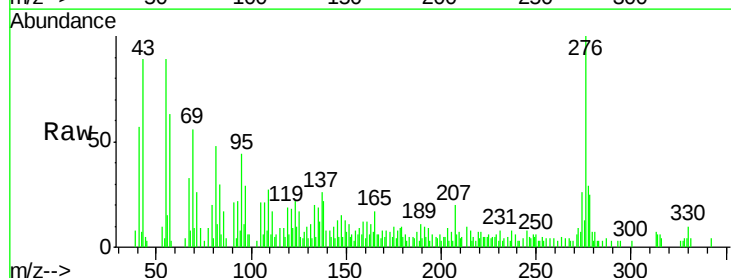
Tgt Ion:276 Resp: 18347

Ion Ratio Lower Upper

276 100

138 20.6 25.7 38.5#

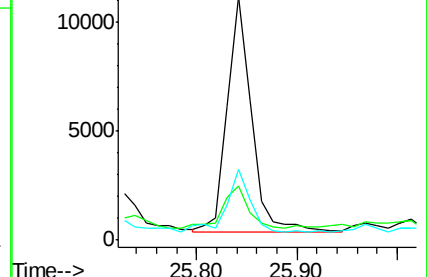
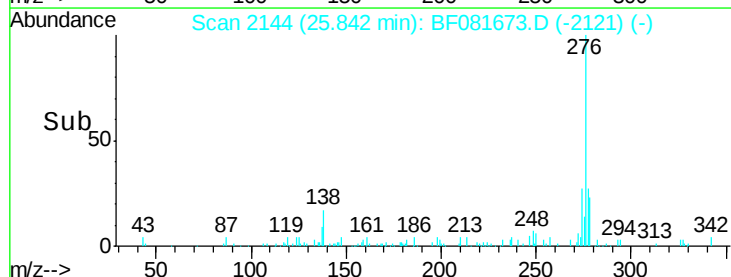
277 26.3 15.6 23.4#

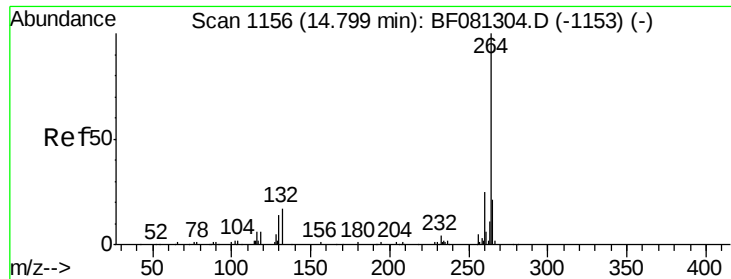


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

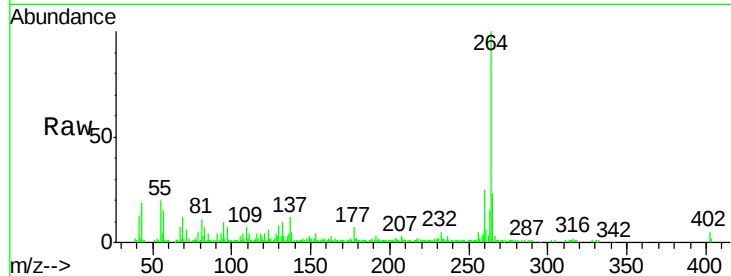




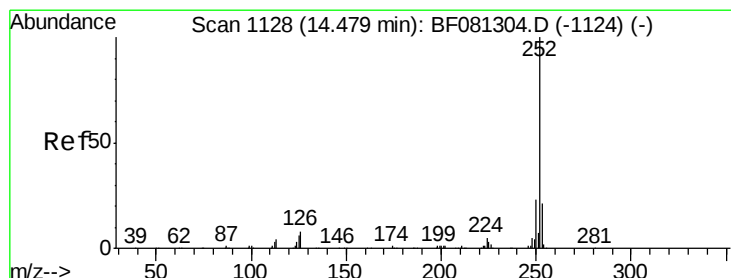
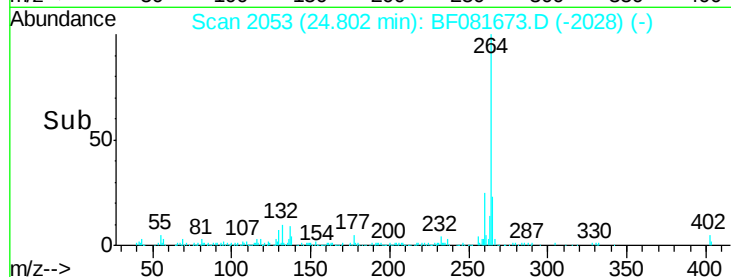
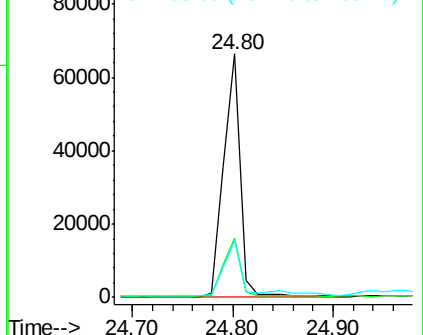
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.80 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF081673.D
Acq: 17 Sep 2015 9:05

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOIL

Tgt Ion:264 Resp: 76464
Ion Ratio Lower Upper
264 100
260 24.6 16.7 25.1
265 23.4 17.2 25.8

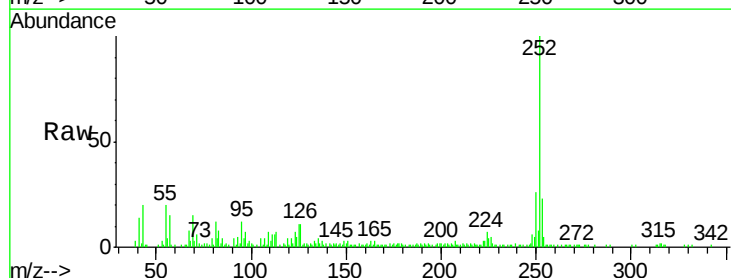


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

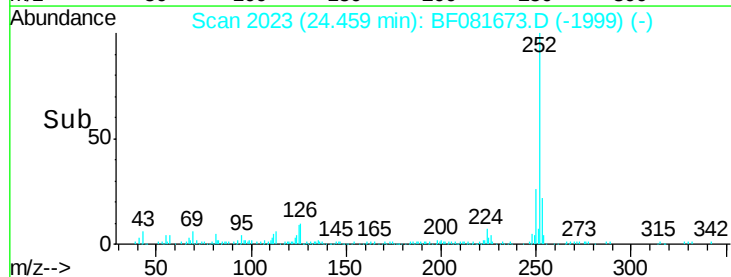
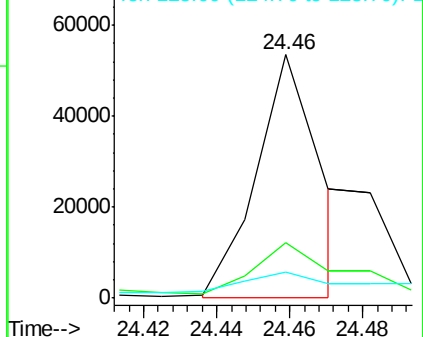


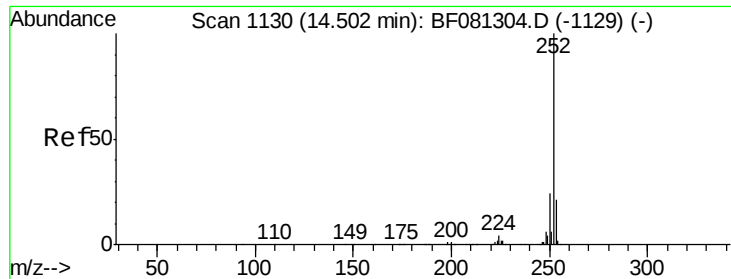
#87
Benzo(b)fluoranthene
Concen: 11.91 ng m
RT: 24.46 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF081673.D
Acq: 17 Sep 2015 9:05

Tgt Ion:252 Resp: 65001
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.9 17.1 25.7#



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





#88

Benzo(k)fluoranthene

Concen: 4.28 ng m

RT: 24.47 min Scan# 2024

Delta R.T. -0.03 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

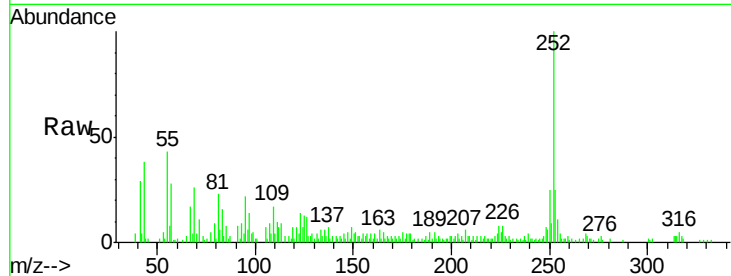
Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOIL

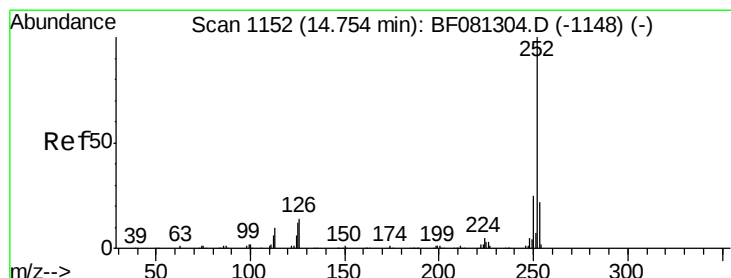
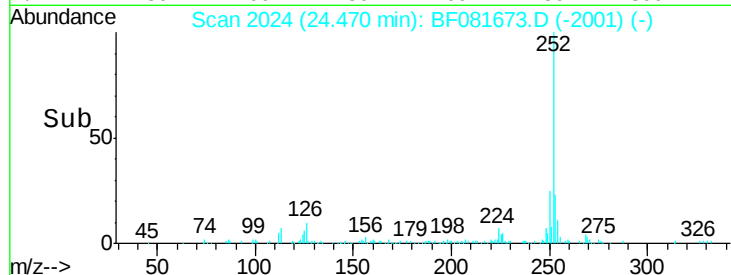
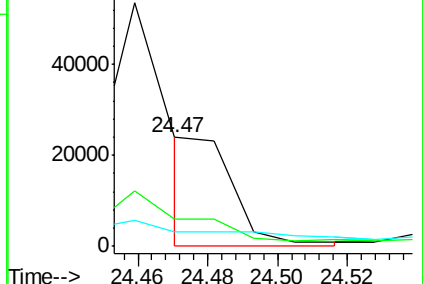
Tgt Ion:	252	Resp:	19377
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.0	25.4
125	12.8	16.0	24.0#



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: 7.51 ng

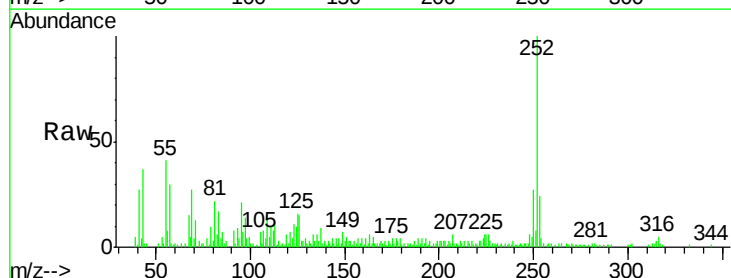
RT: 24.74 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

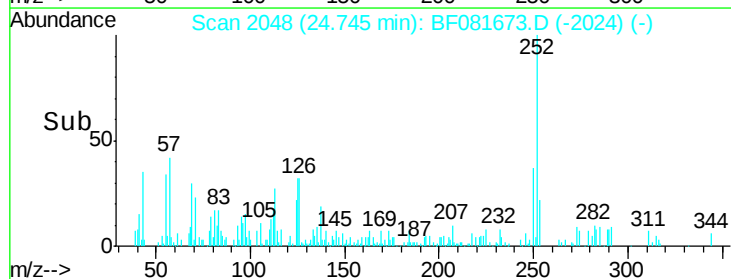
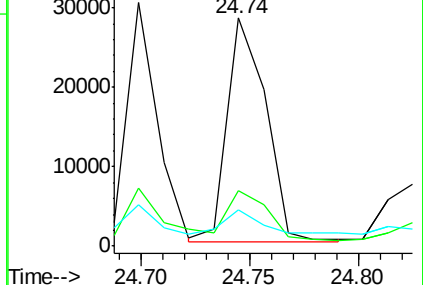
Tgt Ion:	252	Resp:	34718
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.2	25.8
125	16.0	18.0	27.0#

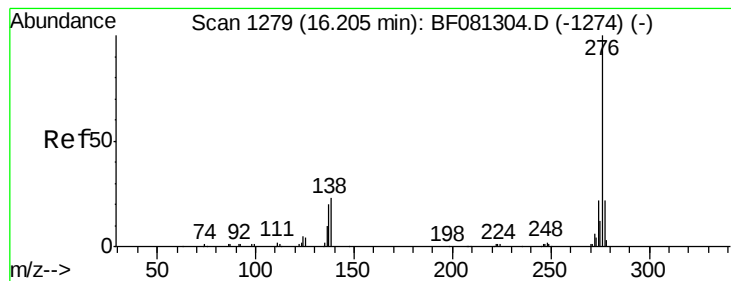


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.09 ng

RT: 26.15 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF081673.D

Acq: 17 Sep 2015 9:05

Instrument :

BNA_F

ClientSampleId :

LIME-TOPSOIL

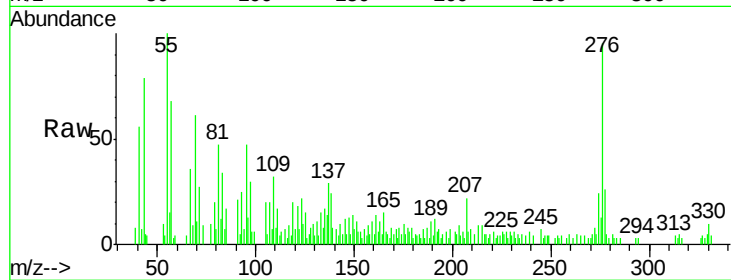
Tgt Ion: 276 Resp: 17378

Ion Ratio Lower Upper

276 100

277 27.6 17.8 26.6#

138 25.3 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

