

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111616\
 Data File : BF091189.D
 Acq On : 16 Nov 2016 15:48
 Operator : UM/SJ
 Sample : H5671-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RER-TOPSOIL

Quant Time: Nov 17 00:17:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 00:05:11 2016
 Response via : Initial Calibration

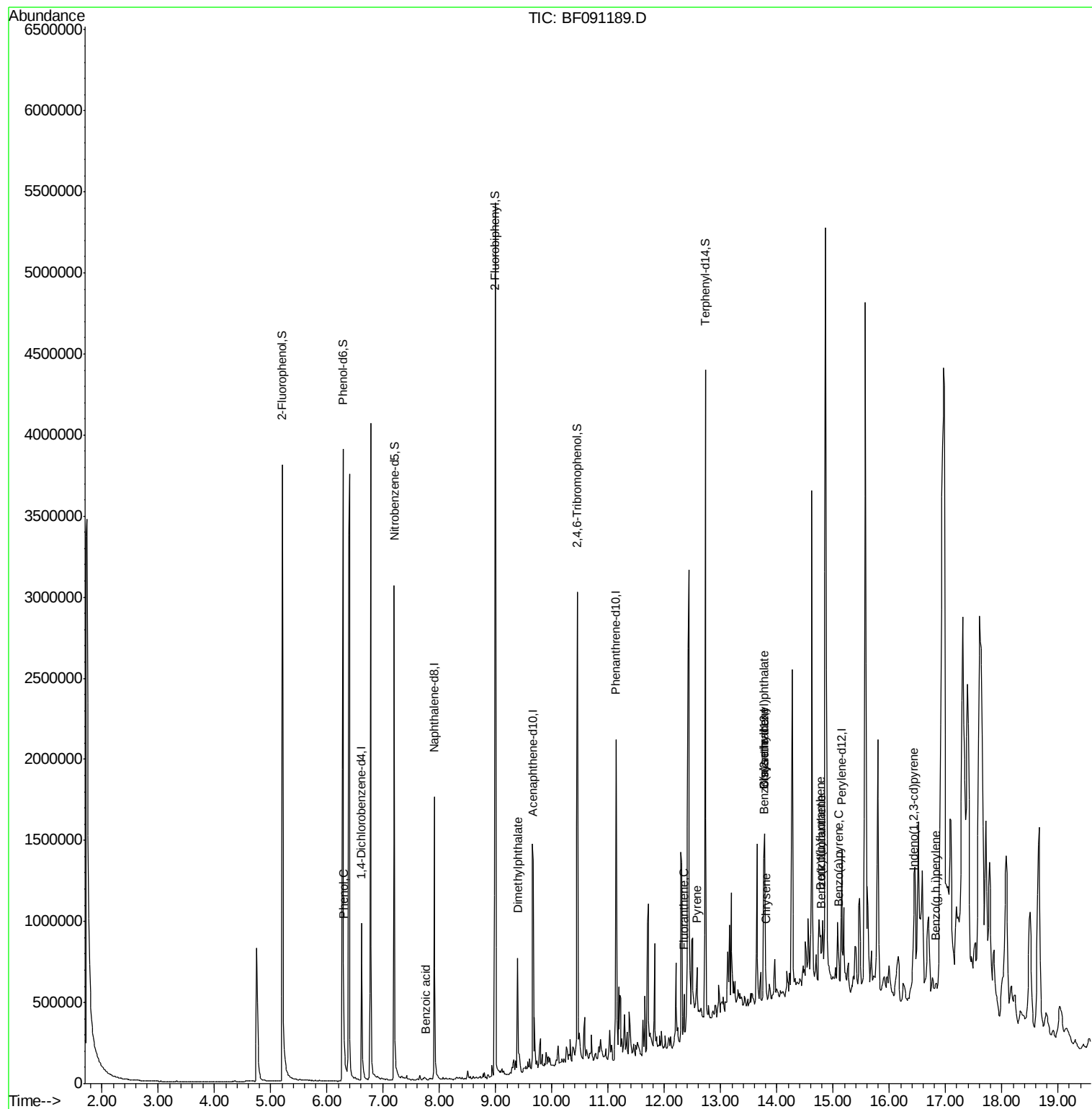
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	215439	20.00	ng	-0.01
21) Naphthalene-d8	7.90	136	904371	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	440845	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	669596	20.00	ng	0.00
75) Chrysene-d12	13.78	240	421142	20.00	ng	0.00
86) Perylene-d12	15.15	264	373911	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1380539	105.83	ng	0.01
7) Phenol-d6	6.28	99	1766424	99.77	ng	0.00
23) Nitrobenzene-d5	7.20	82	1292194	77.94	ng	0.00
41) 2,4,6-Tribromophenol	10.45	330	426884	107.11	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	1707488	66.68	ng	0.00
78) Terphenyl-d14	12.73	244	1328484	78.72	ng	0.00
Target Compounds						
10) Phenol	6.29	94	99488	5.08	ng	# 59
32) Benzoic acid	7.76	122	4656	5.49	ng	# 72
49) Dimethylphthalate	9.39	163	269562	9.33	ng	99
74) Fluoranthene	12.35	202	126173	3.42	ng	93
77) Pyrene	12.58	202	107131	3.88	ng	98
80) Benzo(a)anthracene	13.77	228	53698	2.25	ng	98
82) Chrysene	13.80	228	68657	2.91	ng	98
83) Bis(2-ethylhexyl)phthalate	13.78	149	46166	2.59	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.43	276	48299	2.47	ng	95
87) Benzo(b)fluoranthene	14.77	252	98395m	3.88	ng	
88) Benzo(k)fluoranthene	14.79	252	48494m	2.18	ng	
89) Benzo(a)pyrene	15.09	252	56933	2.58	ng	# 77
91) Benzo(g,h,i)perylene	16.82	276	42590	2.47	ng	# 88

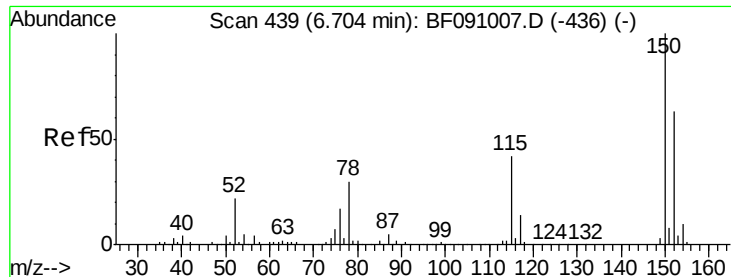
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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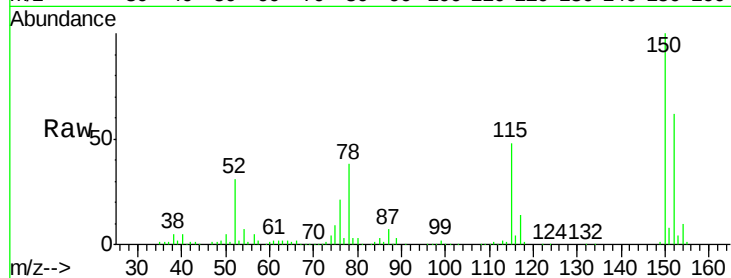


#1

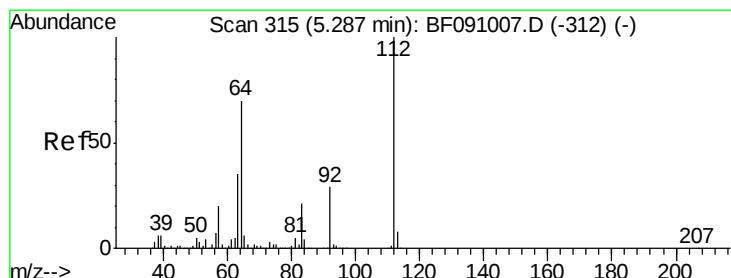
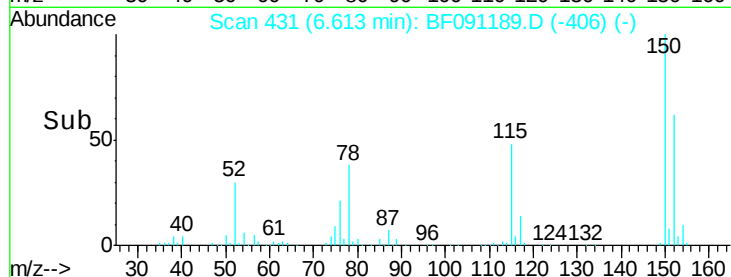
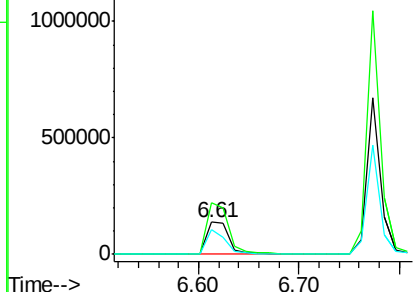
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.61 min Scan# 431
Delta R.T. -0.01 min
Lab File: BF091189.D
Acq: 16 Nov 2016 15:48

Instrument :
BNA_F
ClientSampleId :
RER-TOPSOIL

Tgt Ion:152 Resp: 215439
Ion Ratio Lower Upper
152 100
150 161.7 126.8 190.2
115 77.5 53.3 79.9



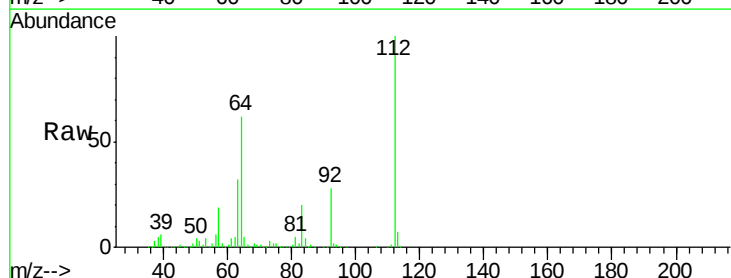
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



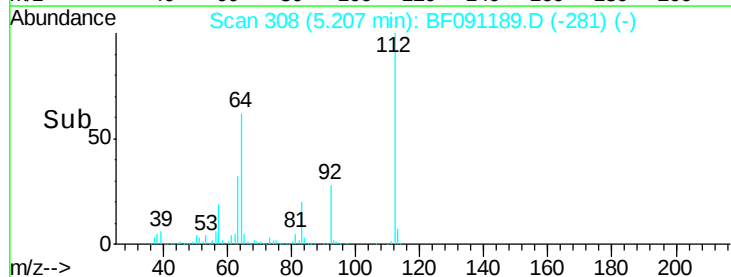
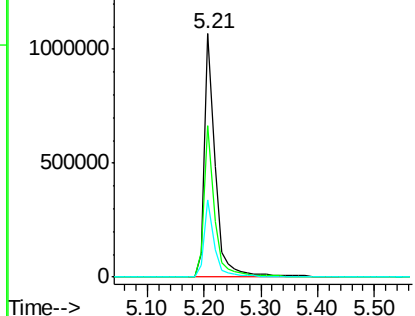
#5

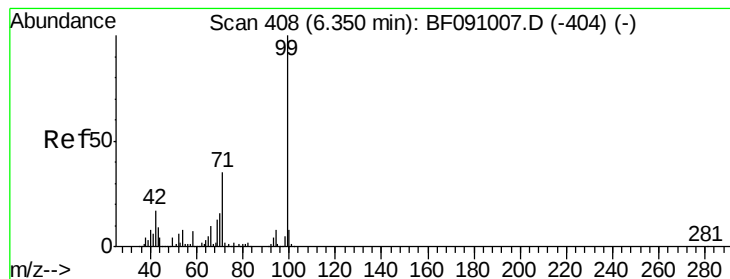
2-Fluorophenol
Concen: 105.83 ng
RT: 5.21 min Scan# 308
Delta R.T. 0.01 min
Lab File: BF091189.D
Acq: 16 Nov 2016 15:48

Tgt Ion:112 Resp: 1380539
Ion Ratio Lower Upper
112 100
64 62.4 55.8 83.6
63 32.0 28.0 42.0



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: 99.77 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

Instrument :

BNA_F

ClientSampleId :

RER-TOPSOIL

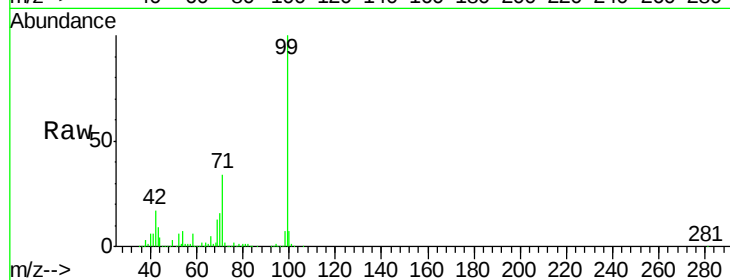
Tgt Ion: 99 Resp: 1766424

Ion Ratio Lower Upper

99 100

42 16.6 13.9 20.9

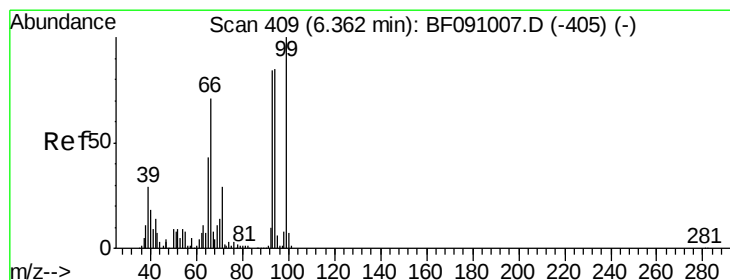
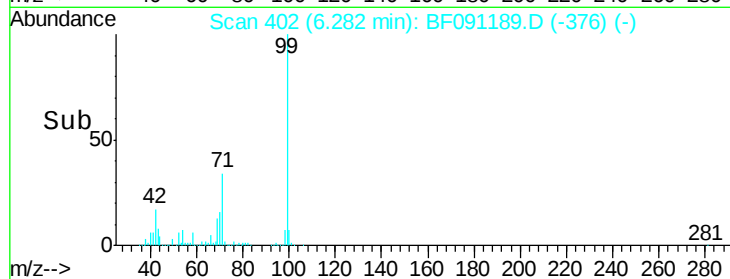
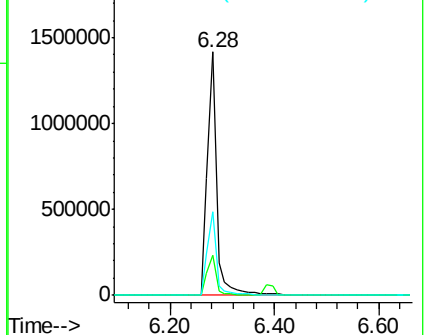
71 34.1 27.8 41.8



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: 5.08 ng

RT: 6.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

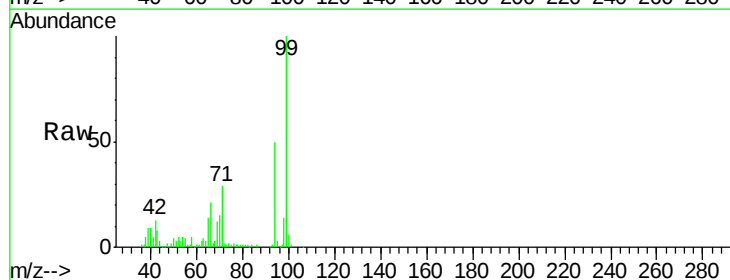
Tgt Ion: 94 Resp: 99488

Ion Ratio Lower Upper

94 100

65 28.0 30.4 70.4#

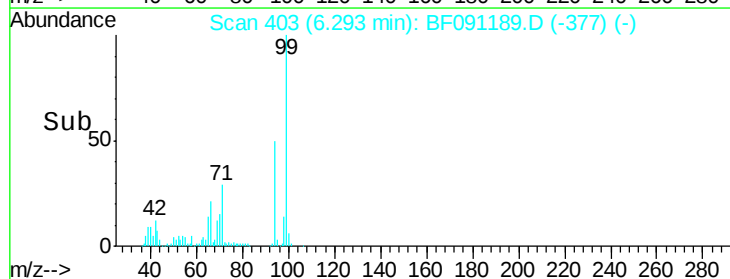
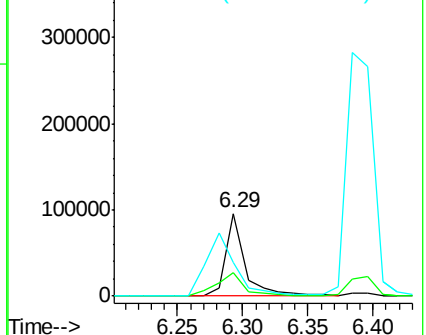
66 41.1 62.9 102.9#

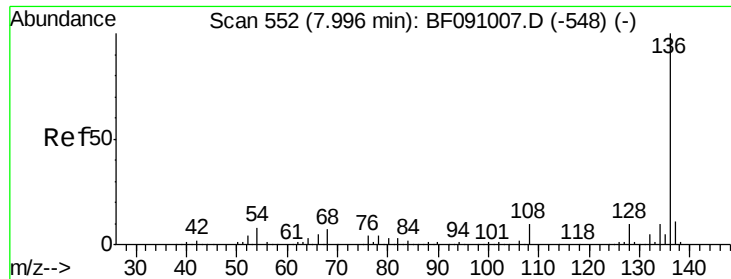


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

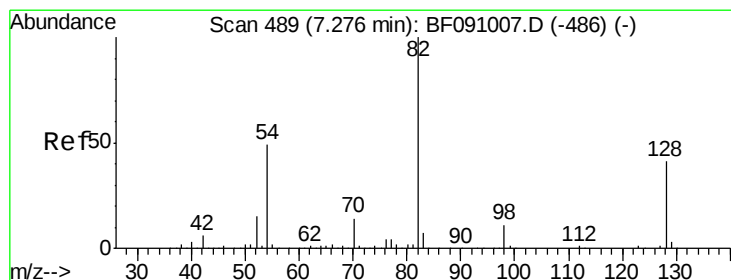
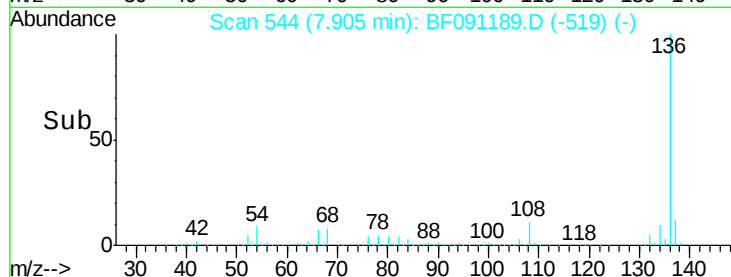
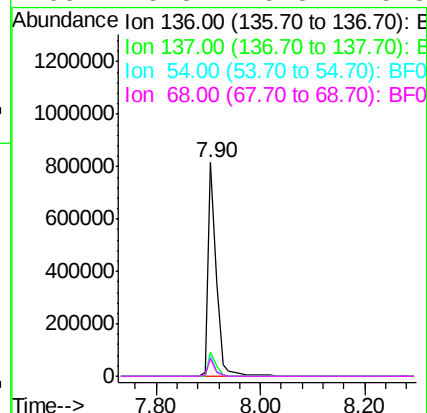
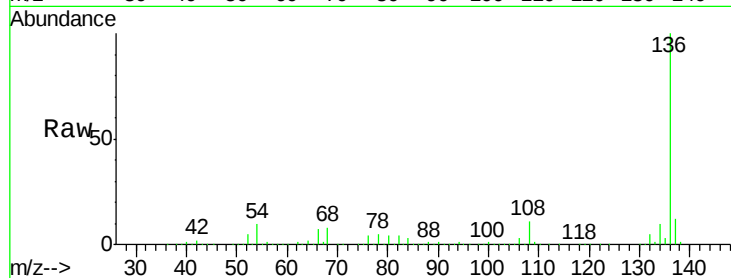




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF091189.D
Acq: 16 Nov 2016 15:48

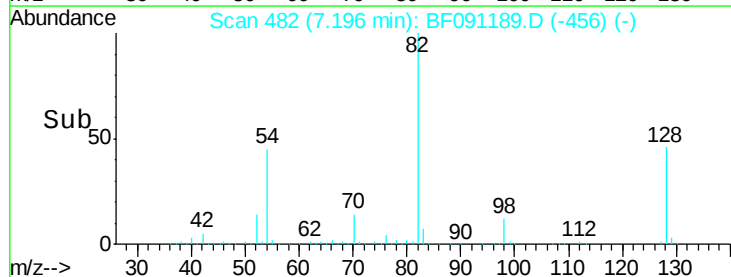
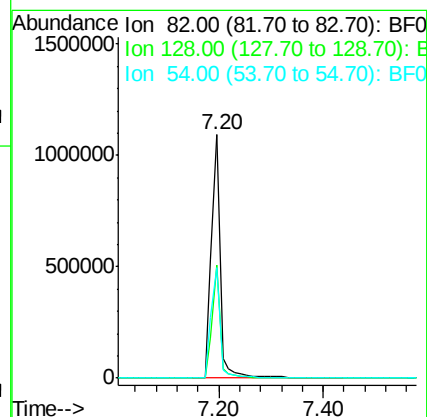
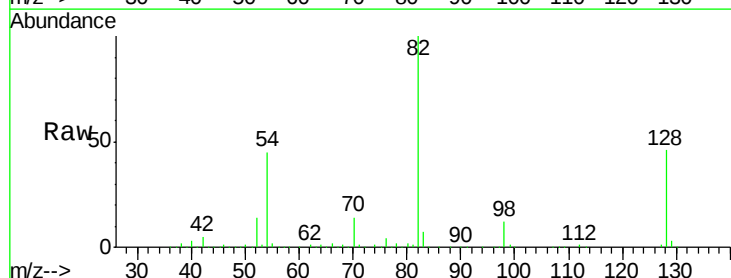
Instrument :
BNA_F
ClientSampleId :
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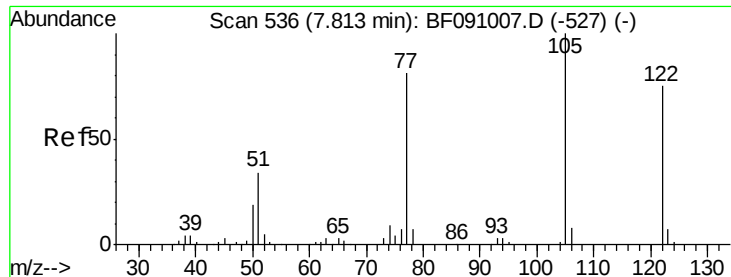
Tgt Ion:	136	Resp:	904371
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	9.6	6.2	9.2#
68	8.3	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 77.94 ng
RT: 7.20 min Scan# 482
Delta R.T. -0.00 min
Lab File: BF091189.D
Acq: 16 Nov 2016 15:48

Tgt Ion:	82	Resp:	1292194
Ion	Ratio	Lower	Upper
82	100		
128	46.4	32.4	48.6
54	45.3	39.2	58.8





#32

Benzoic acid

Concen: 5.49 ng

RT: 7.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

Instrument :

BNA_F

ClientSampleId :

RER-TOPSOIL

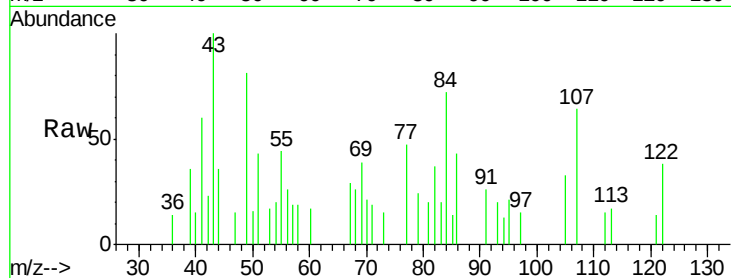
Tgt Ion:122 Resp: 4656

Ion Ratio Lower Upper

122 100

105 87.6 105.9 145.9#

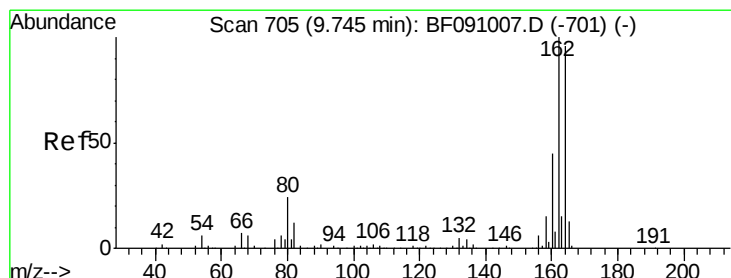
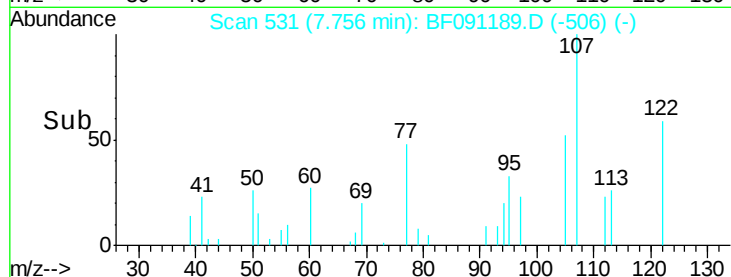
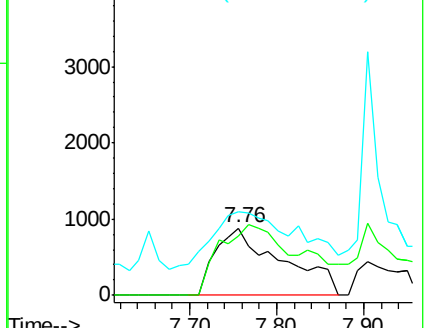
77 124.7 84.0 124.0#



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: 20.00 ng

RT: 9.66 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

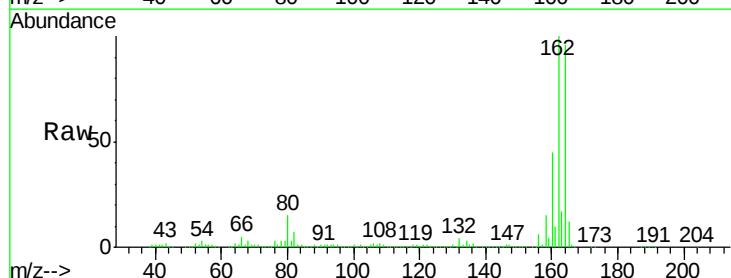
Tgt Ion:164 Resp: 440845

Ion Ratio Lower Upper

164 100

162 104.4 83.6 125.4

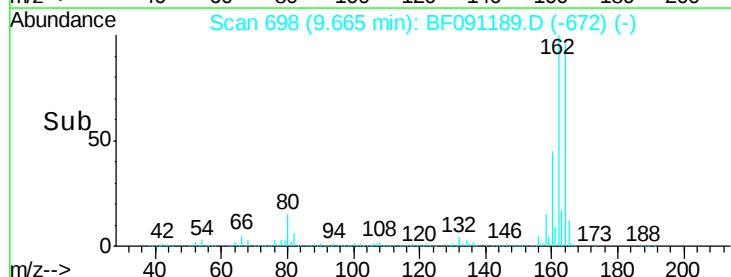
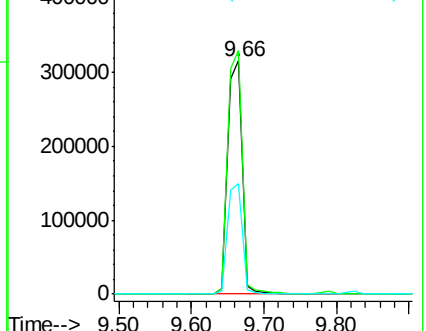
160 47.5 37.9 56.9

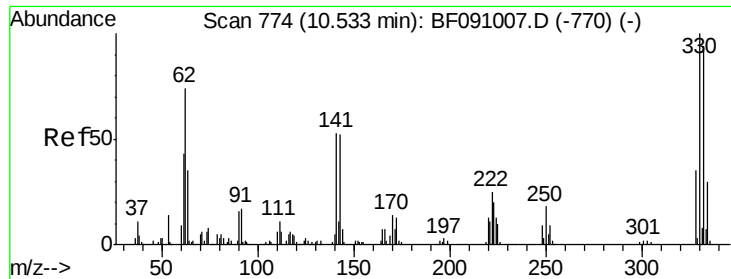


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

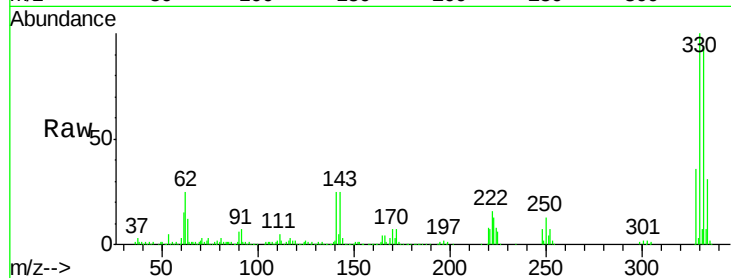




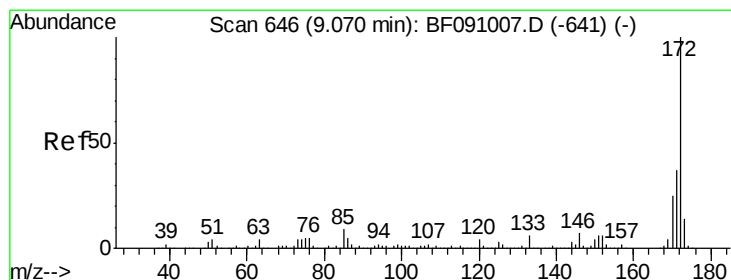
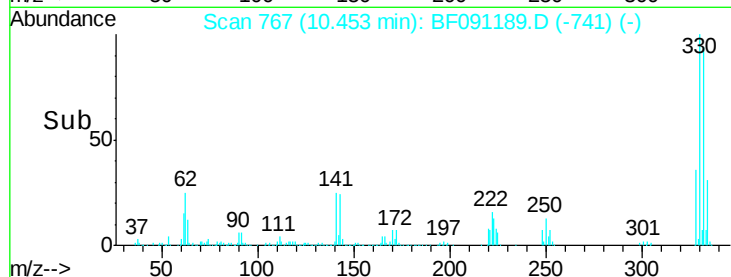
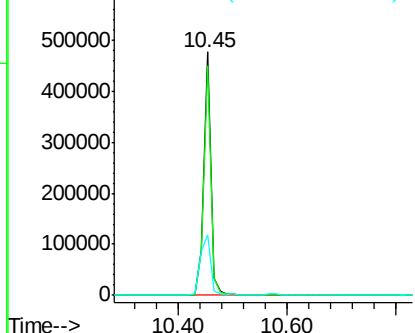
#41
 2,4,6-Tribromophenol
 Concen: 107.11 ng
 RT: 10.45 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BF091189.D
 Acq: 16 Nov 2016 15:48

Instrument :
 BNA_F
 ClientSampleId :
 RER-TOPSOIL

Tgt Ion:330 Resp: 426884
 Ion Ratio Lower Upper
 330 100
 332 94.6 75.9 113.9
 141 35.6 36.1 54.1#

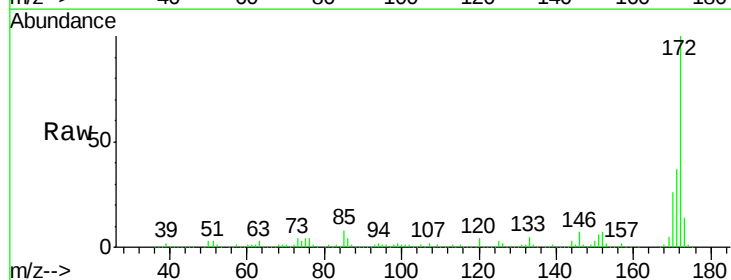


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

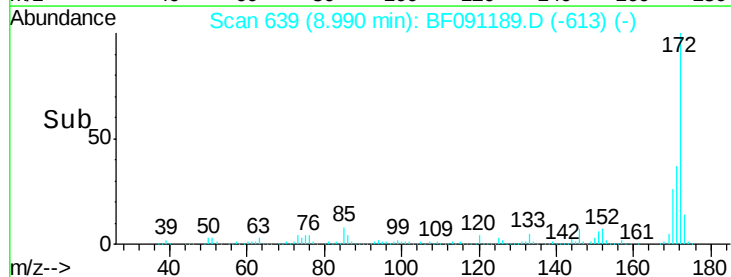
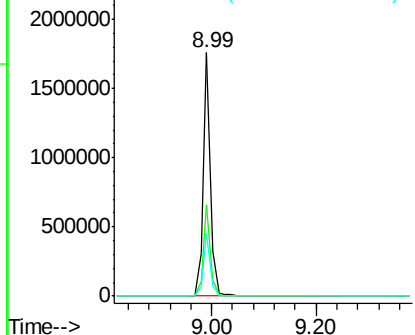


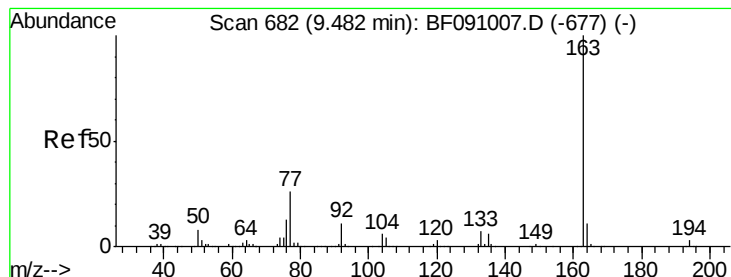
#44
 2-Fluorobiphenyl
 Concen: 66.68 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BF091189.D
 Acq: 16 Nov 2016 15:48

Tgt Ion:172 Resp: 1707488
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.8 44.6
 170 25.7 20.3 30.5



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





#49

Dimethylphthalate

Concen: 9.33 ng

RT: 9.39 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

Instrument :

BNA_F

ClientSampleId :

RER-TOPSOIL

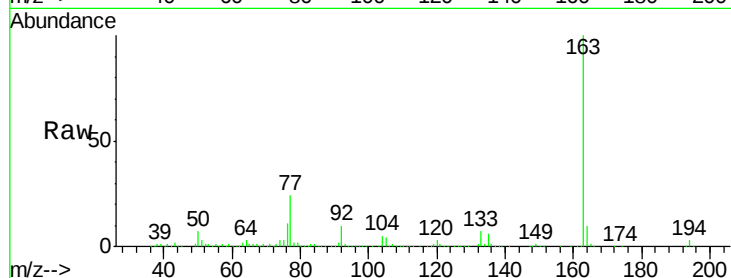
Tgt Ion:163 Resp: 269562

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

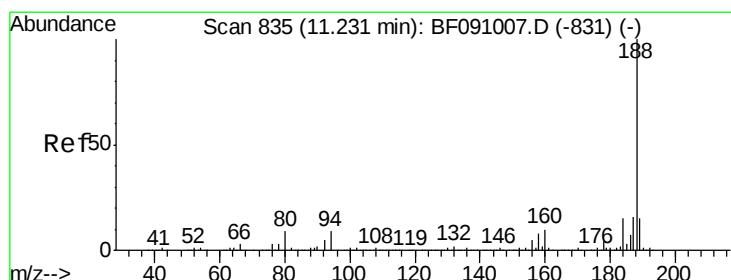
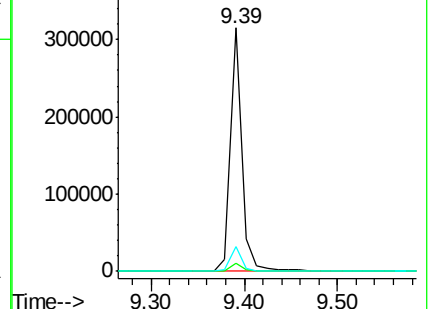
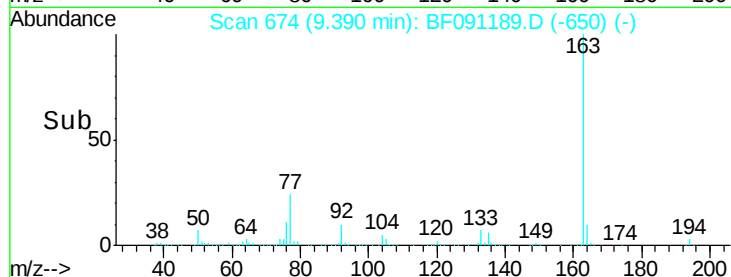
164 10.3 8.7 13.1



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: 11.14 min Scan# 827

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

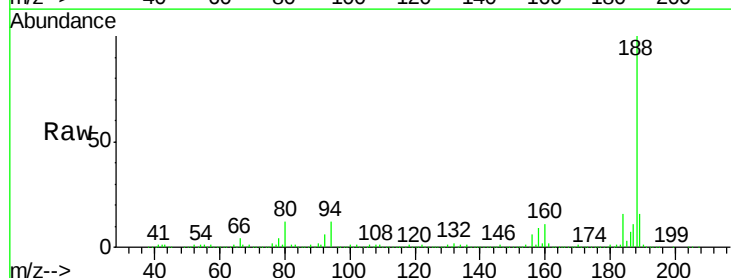
Tgt Ion:188 Resp: 669596

Ion Ratio Lower Upper

188 100

94 11.6 7.0 10.4#

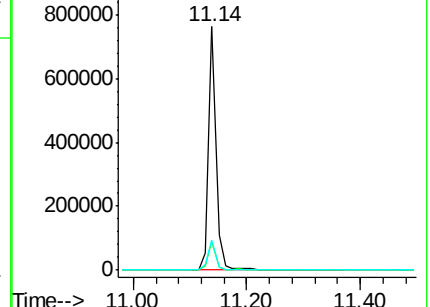
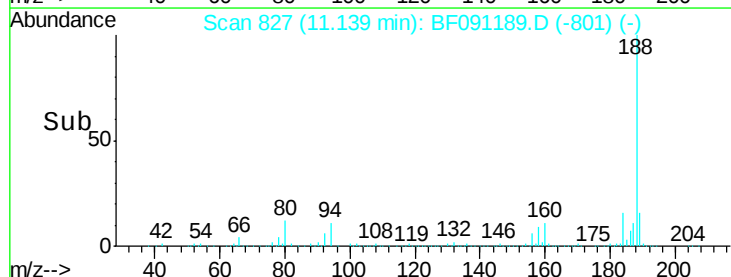
80 12.3 7.5 11.3#

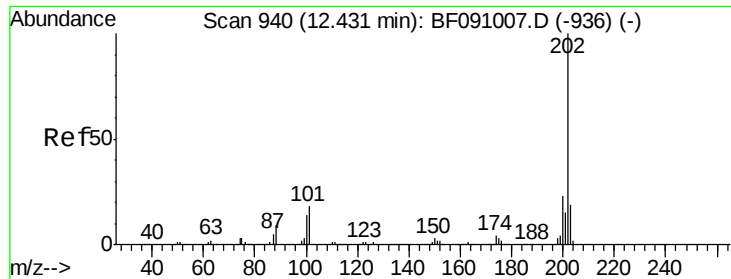


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 3.42 ng

RT: 12.35 min Scan# 933

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

Instrument :

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RER-TOPSOIL

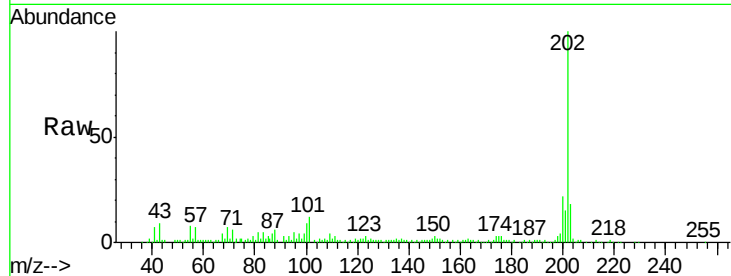
Tgt Ion:202 Resp: 126173

Ion Ratio Lower Upper

202 100

101 12.0 0.0 37.6

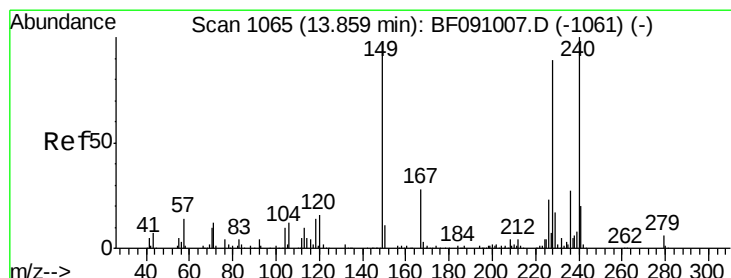
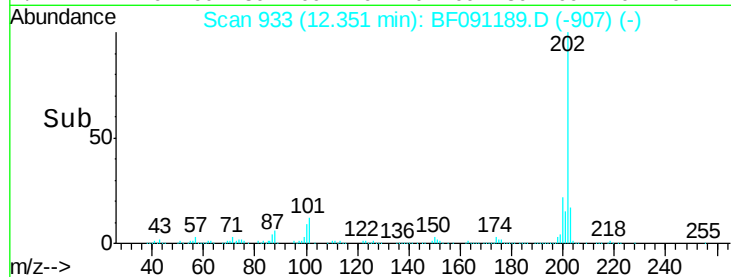
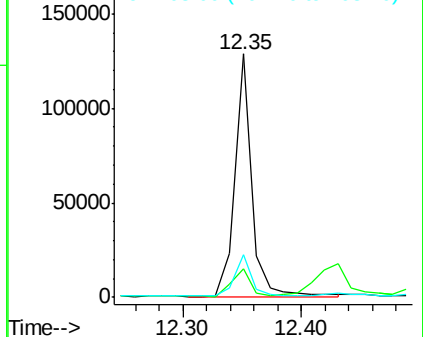
203 17.7 0.0 38.6



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: 13.78 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

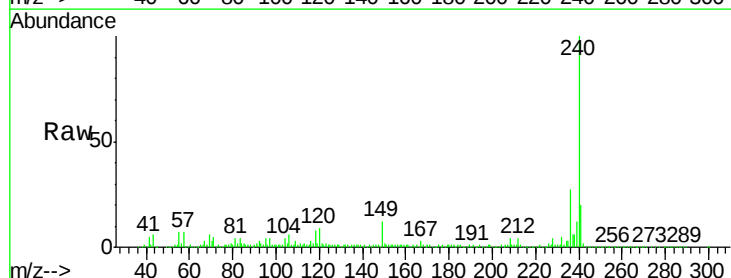
Tgt Ion:240 Resp: 421142

Ion Ratio Lower Upper

240 100

120 9.2 12.9 19.3#

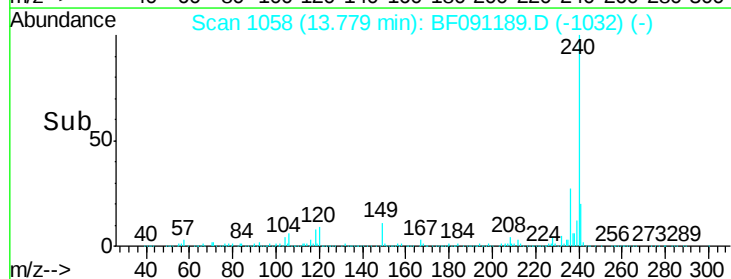
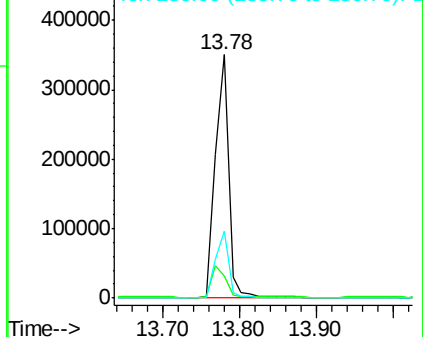
236 27.3 21.9 32.9

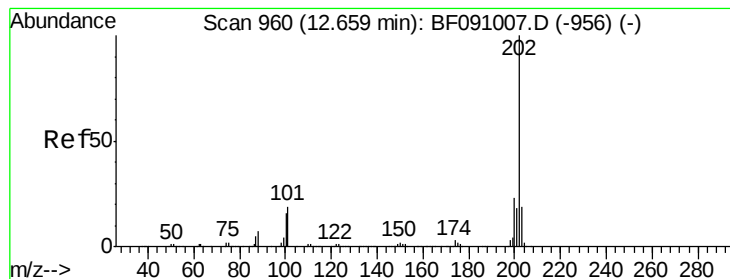


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.88 ng

RT: 12.58 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

Instrument :

BNA_F

ClientSampleId :

RER-TOPSOIL

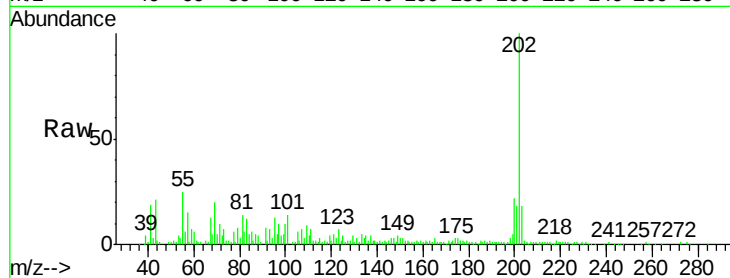
Tgt Ion:202 Resp: 107131

Ion Ratio Lower Upper

202 100

200 22.3 18.4 27.6

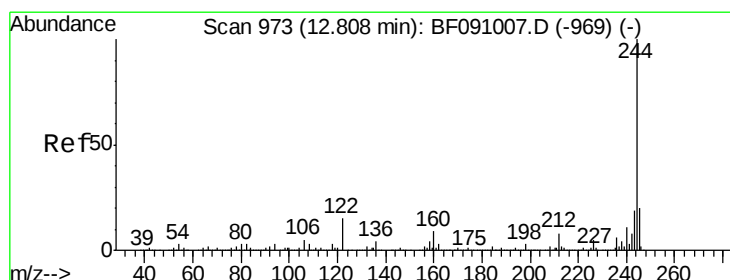
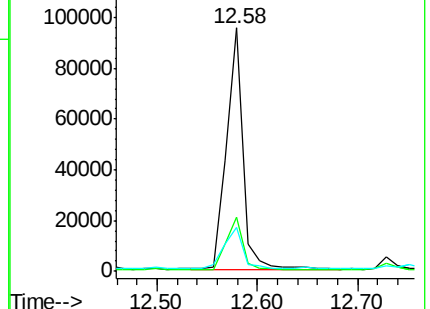
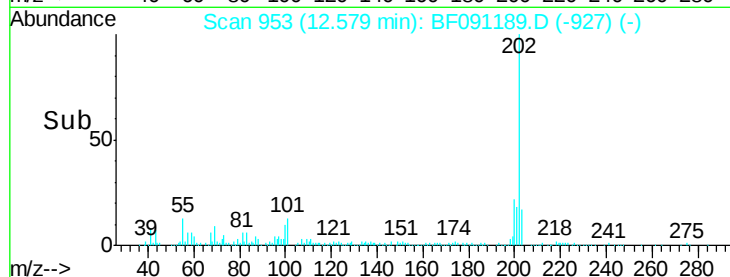
203 18.0 15.0 22.6



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: 78.72 ng

RT: 12.73 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

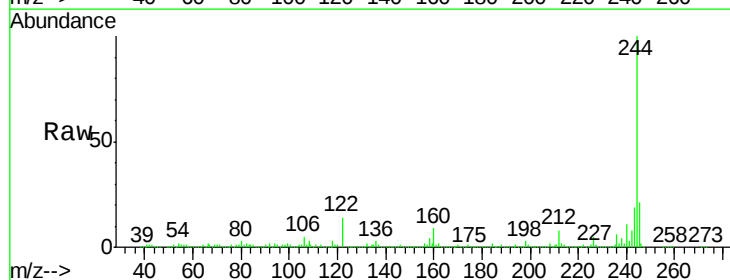
Tgt Ion:244 Resp: 1328484

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

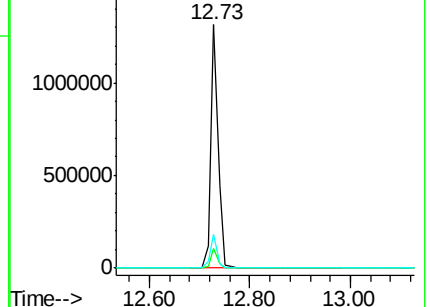
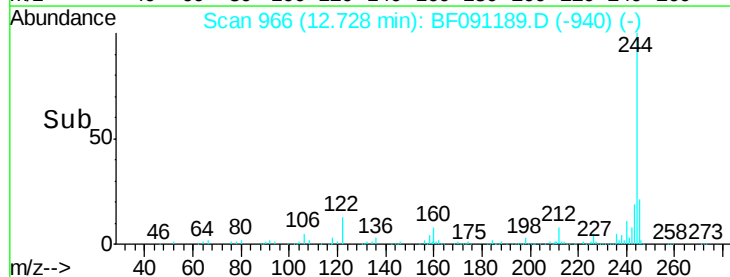
122 14.0 12.3 18.5

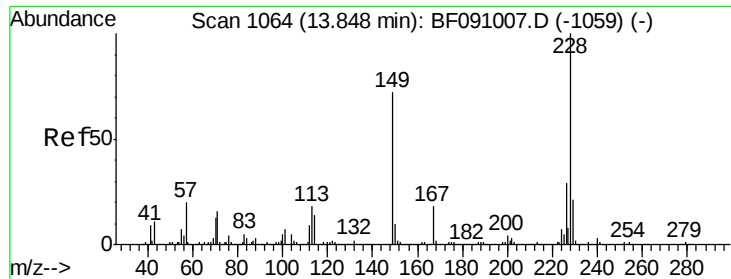


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 13.77 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

Instrument :

BNA_F

ClientSampleId :

RER-TOPSOIL

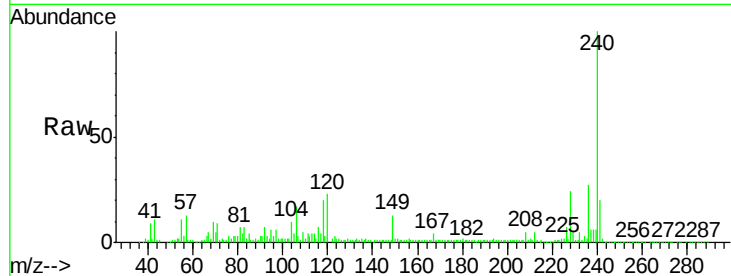
Tgt Ion:228 Resp: 53698

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.6

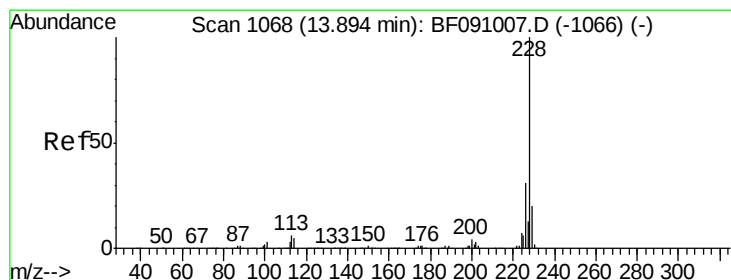
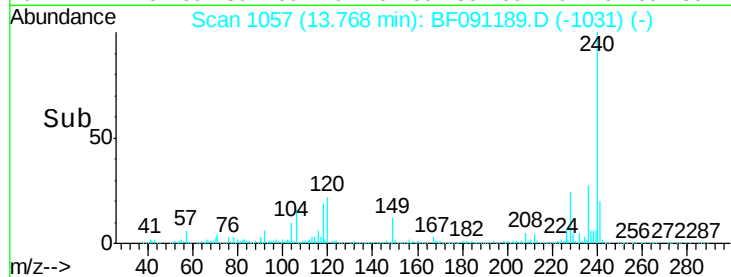
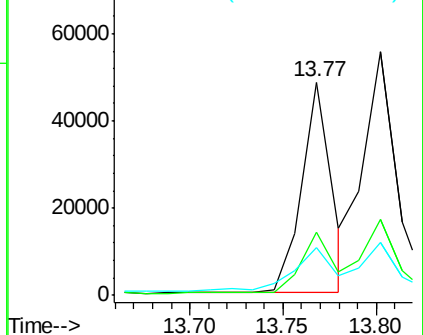
229 22.3 16.6 24.8



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: 2.91 ng

RT: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

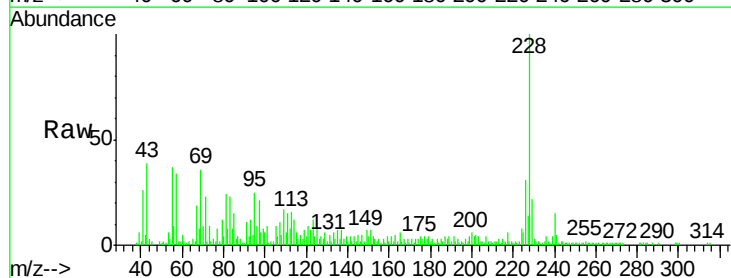
Tgt Ion:228 Resp: 68657

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

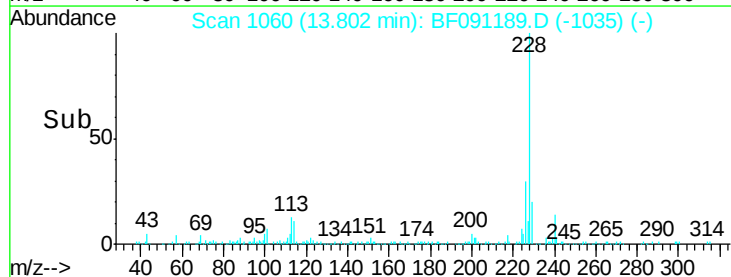
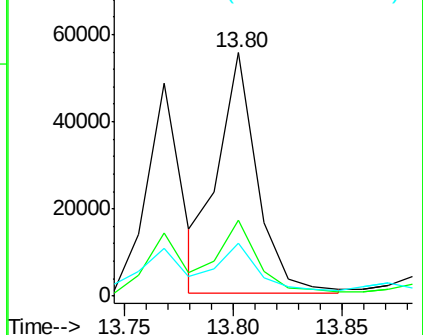
229 21.6 15.9 23.9

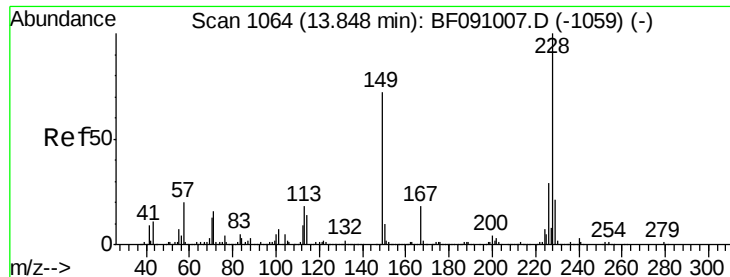


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.59 ng

RT: 13.78 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

Instrument :

BNA_F

ClientSampleId :

RER-TOPSOIL

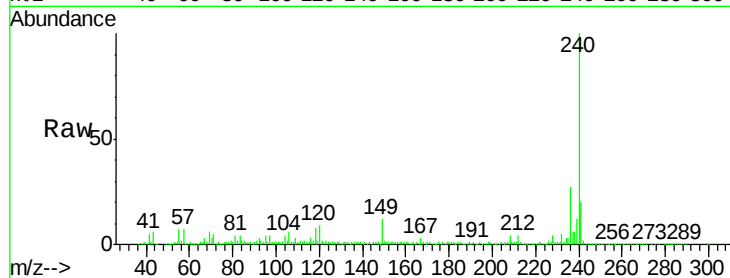
Tgt Ion:149 Resp: 46166

Ion Ratio Lower Upper

149 100

167 27.1 20.4 30.6

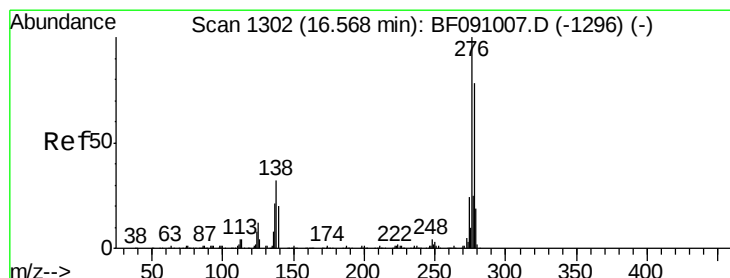
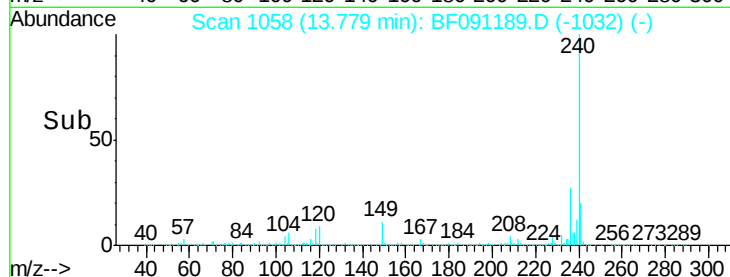
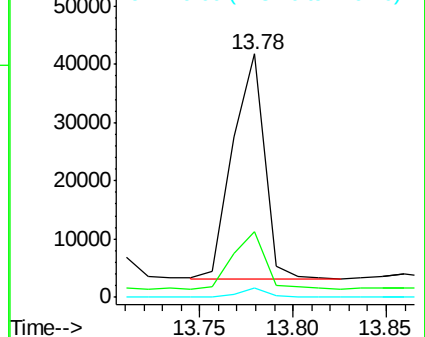
279 4.0 1.6 2.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.47 ng

RT: 16.43 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

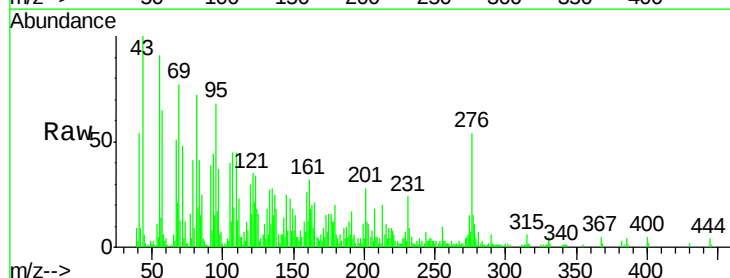
Tgt Ion:276 Resp: 48299

Ion Ratio Lower Upper

276 100

138 28.4 26.0 39.0

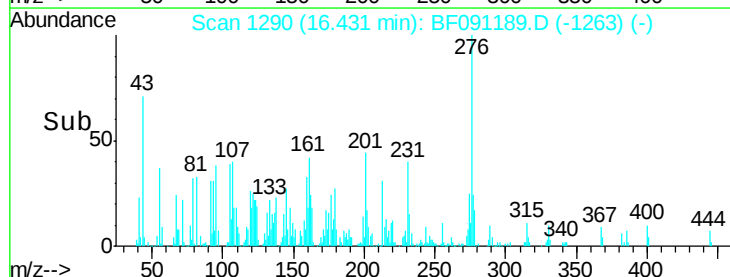
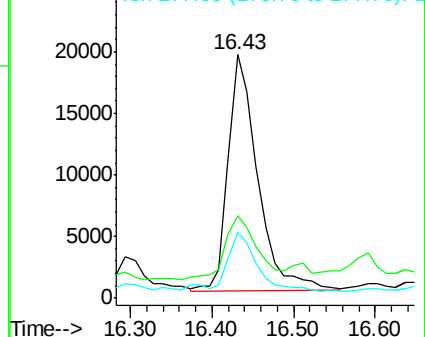
277 25.6 20.1 30.1

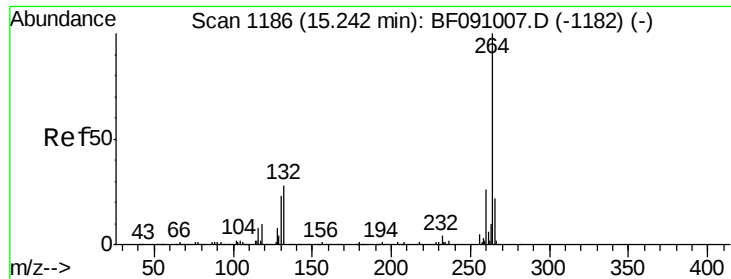


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

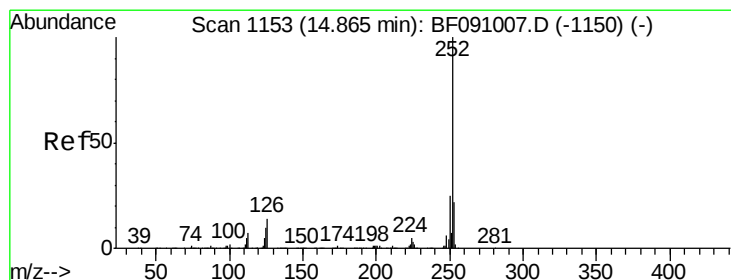
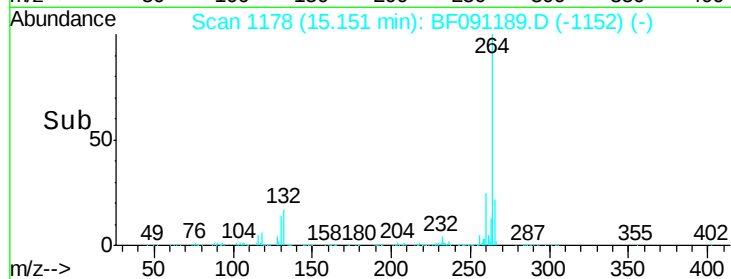
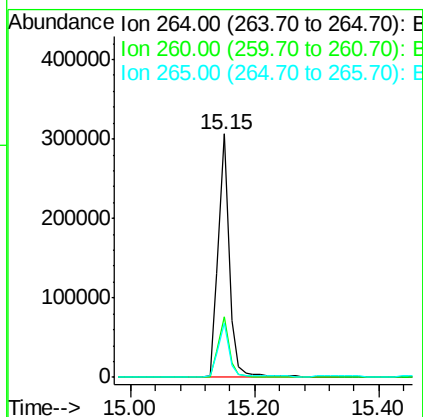
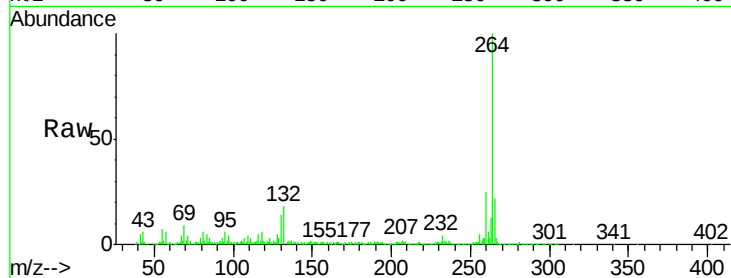




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BF091189.D
Acq: 16 Nov 2016 15:48

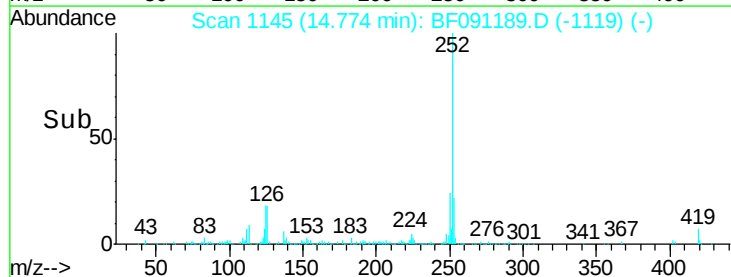
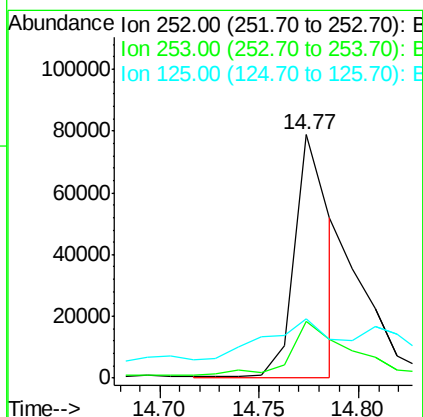
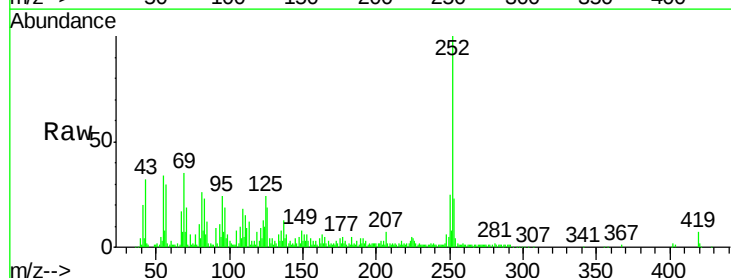
Instrument :
BNA_F
ClientSampleId :
RER-TOPSOIL

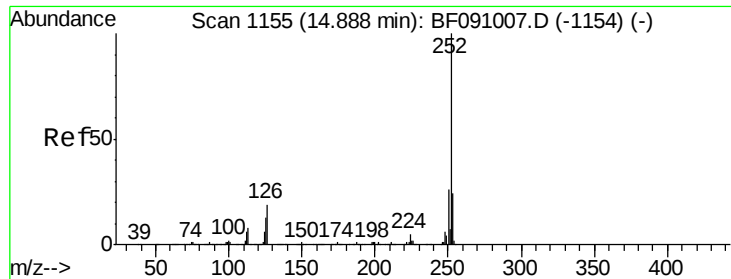
Tgt Ion:264 Resp: 373911
Ion Ratio Lower Upper
264 100
260 25.1 20.6 30.8
265 22.2 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 3.88 ng m
RT: 14.77 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF091189.D
Acq: 16 Nov 2016 15:48

Tgt Ion:252 Resp: 98395
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 24.3 8.3 12.5#





#88

Benzo(k)fluoranthene

Concen: 2.18 ng m

RT: 14.79 min Scan# 1146

Delta R.T. -0.02 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

Instrument :

BNA_F

ClientSampleId :

RER-TOPSOIL

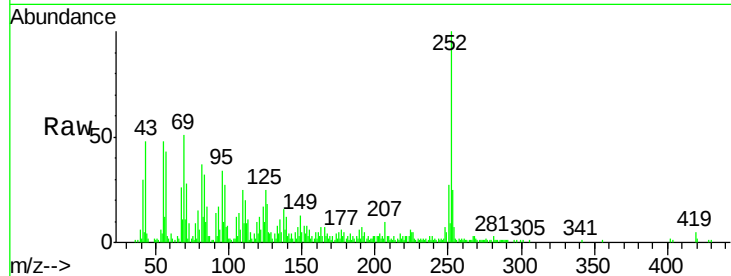
Tgt Ion:252 Resp: 48494

Ion Ratio Lower Upper

252 100

253 24.5 18.6 28.0

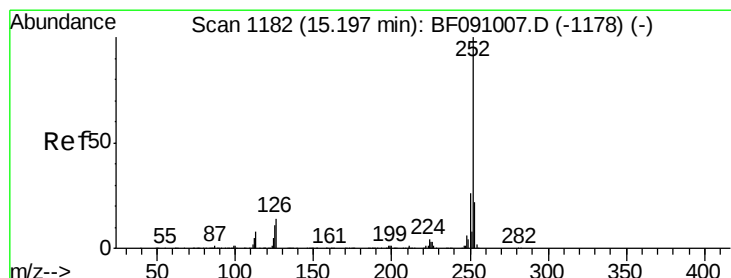
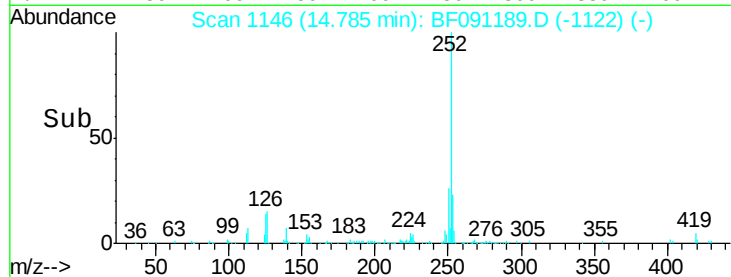
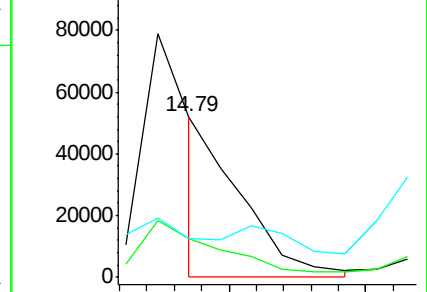
125 24.5 11.2 16.8#



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: 2.58 ng

RT: 15.09 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BF091189.D

Acq: 16 Nov 2016 15:48

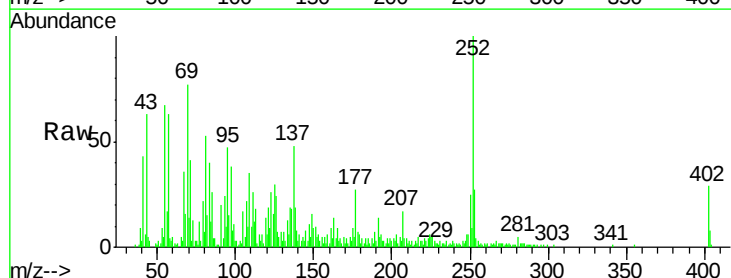
Tgt Ion:252 Resp: 56933

Ion Ratio Lower Upper

252 100

253 26.8 17.8 26.8#

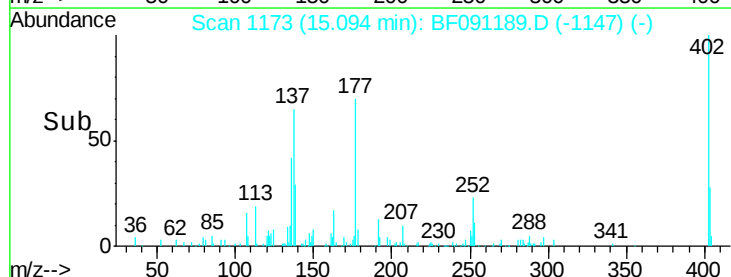
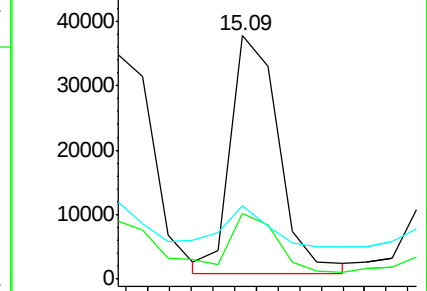
125 30.0 8.6 13.0#

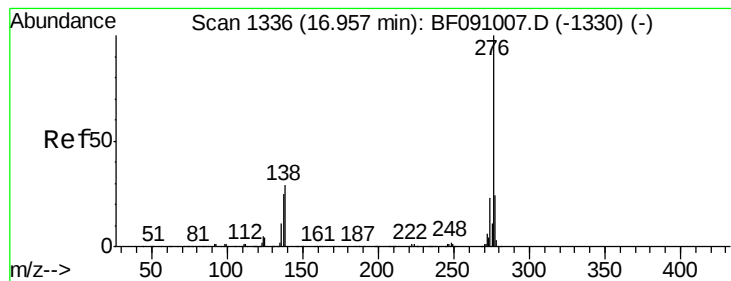


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.47 ng

RT: 16.82 min Scan# 1324

Delta R.T. 0.02 min

Lab File: BF091189.D

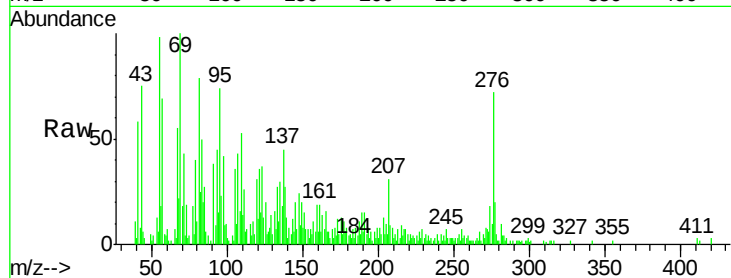
Acq: 16 Nov 2016 15:48

Instrument :

BNA_F

ClientSampleId :

RER-TOPSOIL



Tgt Ion: 276 Resp: 42590

Ion Ratio Lower Upper

276 100

277 28.0 19.2 28.8

138 36.8 23.3 34.9#

