

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
 Data File : BF090064.D
 Acq On : 12 Sep 2016 15:35
 Operator : UM/SJ
 Sample : H4743-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-BAYSHORE-EMBANKMENT

Quant Time: Sep 13 02:51:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	199540	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	812813	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	344532	20.00	ng	-0.03
63) Phenanthrene-d10	11.07	188	595605	20.00	ng	-0.03
75) Chrysene-d12	13.69	240	449323	20.00	ng	-0.03
86) Perylene-d12	15.04	264	299695	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	1317361	105.67	ng	-0.01
7) Phenol-d6	6.23	99	1435785	94.79	ng	-0.02
23) Nitrobenzene-d5	7.14	82	859576	61.33	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	289753	85.24	ng	-0.03
44) 2-Fluorobiphenyl	8.95	172	1733922	82.61	ng	-0.02
78) Terphenyl-d14	12.66	244	1355329	74.51	ng	-0.02

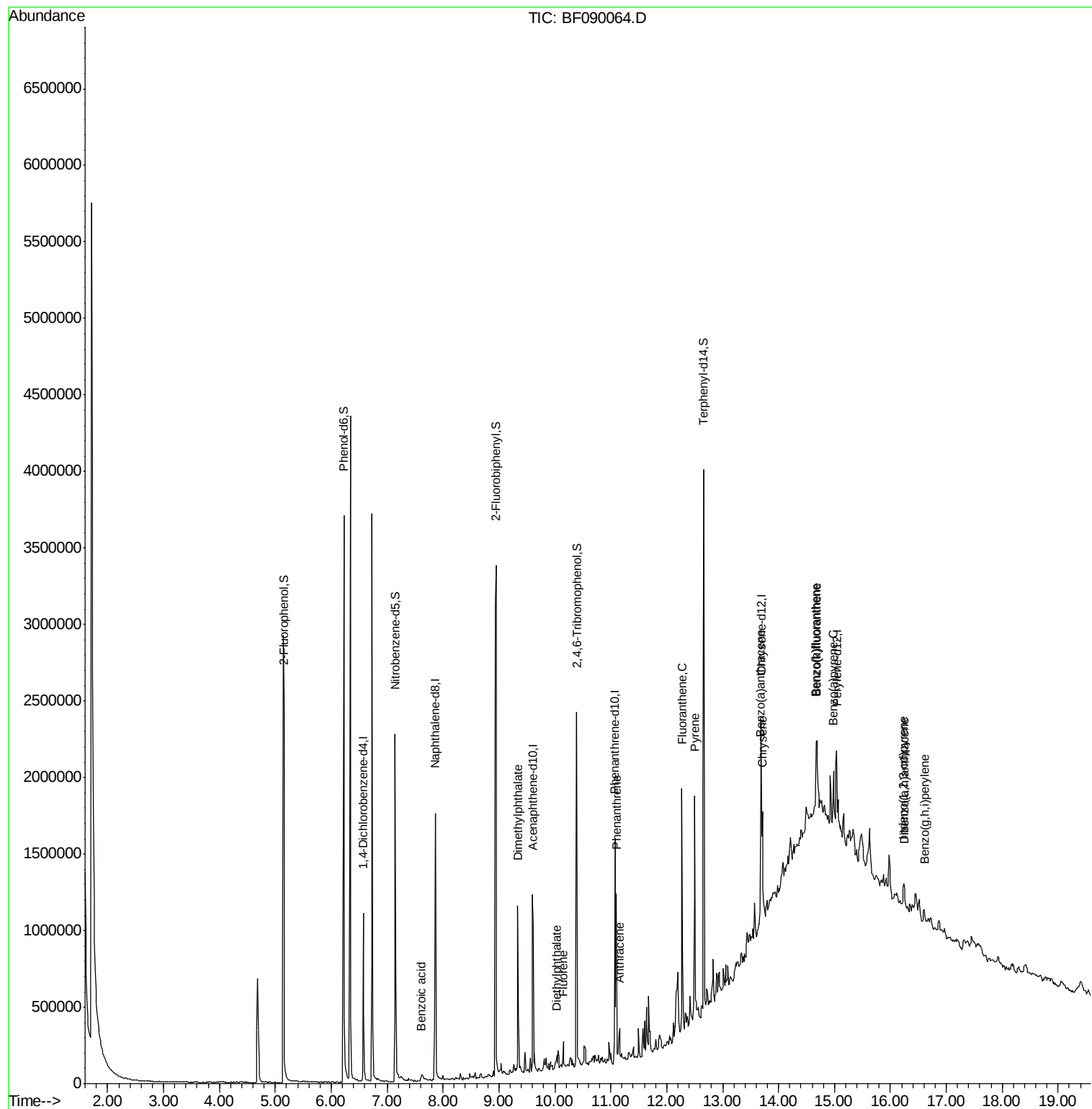
Target Compounds				Qvalue		
32) Benzoic acid	7.61	122	20628	2.32	ng	90
49) Dimethylphthalate	9.34	163	489820	19.67	ng	99
57) Fluorene	10.15	166	56633	2.81	ng	99
59) Diethylphthalate	10.03	149	48839	2.08	ng	96
70) Phenanthrene	11.10	178	420131	14.16	ng	97
71) Anthracene	11.15	178	164879	5.48	ng	97
74) Fluoranthene	12.27	202	722879	23.26	ng	96
77) Pyrene	12.50	202	727944	22.98	ng	100
80) Benzo(a)anthracene	13.68	228	405227	14.72	ng	92
82) Chrysene	13.71	228	281976m	10.97	ng	
85) Indeno(1,2,3-cd)pyrene	16.24	276	115525	6.08	ng	# 91
87) Benzo(b)fluoranthene	14.67	252	256180m	13.64	ng	
88) Benzo(k)fluoranthene	14.69	252	144108m	9.05	ng	
89) Benzo(a)pyrene	14.98	252	214142	13.31	ng	# 90
90) Dibenzo(a,h)anthracene	16.25	278	29456m	2.50	ng	
91) Benzo(g,h,i)perylene	16.61	276	106087	8.94	ng	# 92

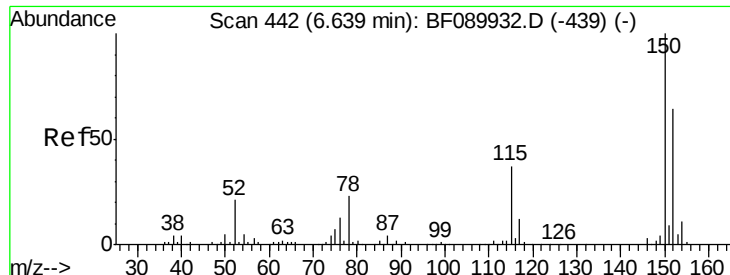
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Instrument :

BNA_F

ClientSampleId :

EME-BAYSHORE-EMBANKMENT

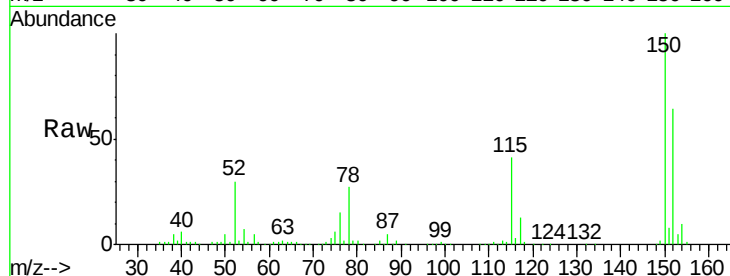
Tgt Ion:152 Resp: 199540

Ion Ratio Lower Upper

152 100

150 157.3 127.4 191.2

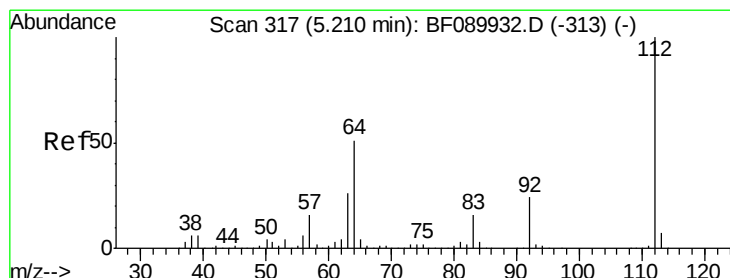
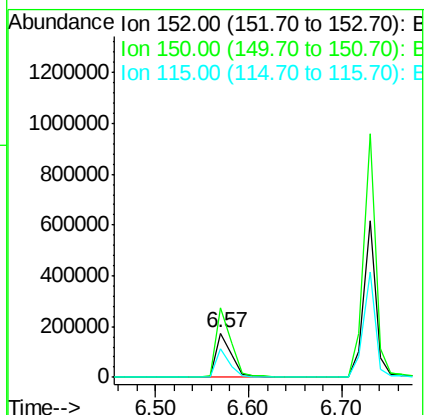
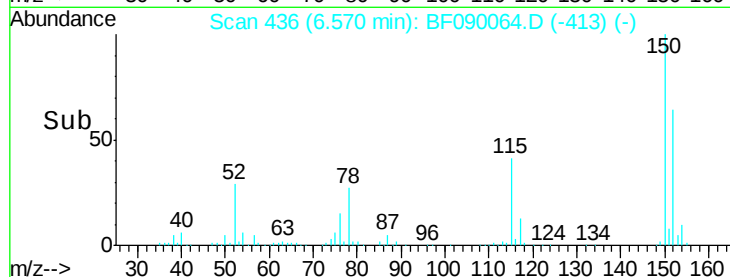
115 65.2 46.3 69.5



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: 105.67 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.01 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

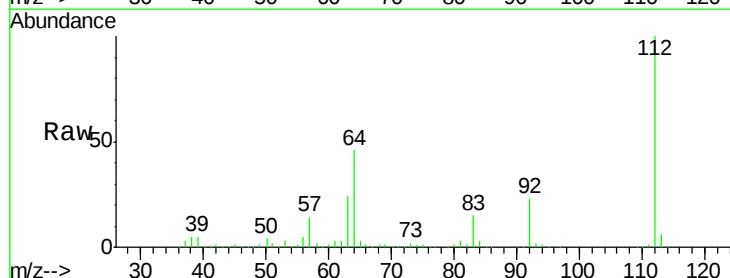
Tgt Ion:112 Resp: 1317361

Ion Ratio Lower Upper

112 100

64 46.2 41.1 61.7

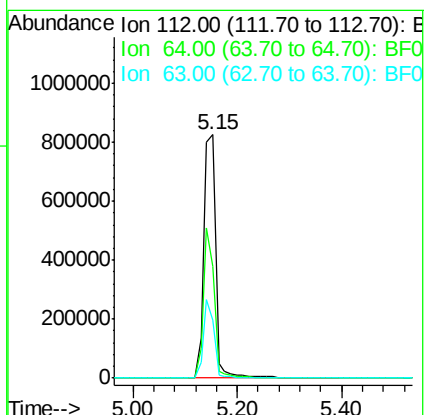
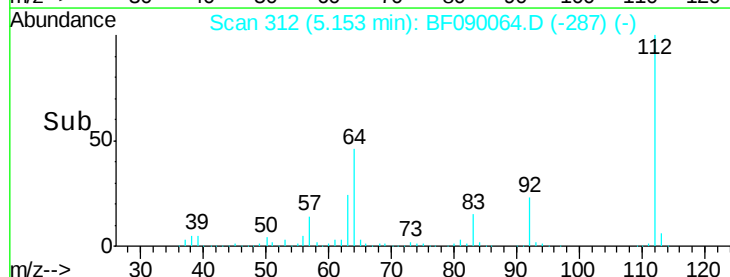
63 23.8 21.2 31.8

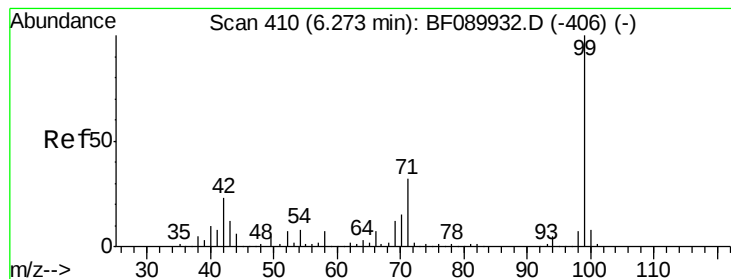


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.79 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Instrument :

BNA_F

ClientSampleId :

EME-BAYSHORE-EMBANKMENT

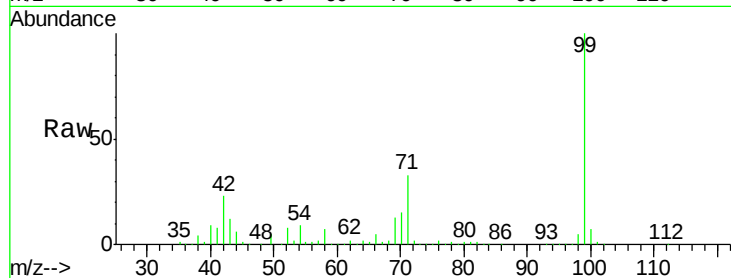
Tgt Ion: 99 Resp: 1435785

Ion Ratio Lower Upper

99 100

42 23.3 18.6 27.8

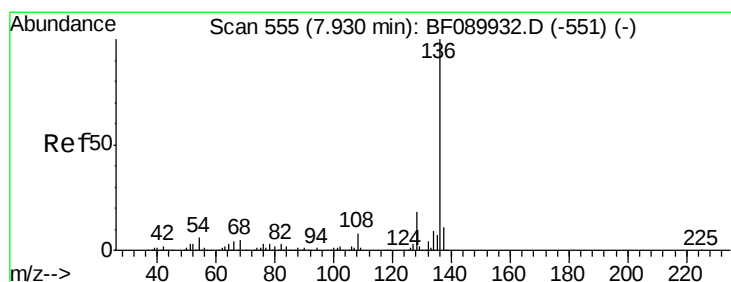
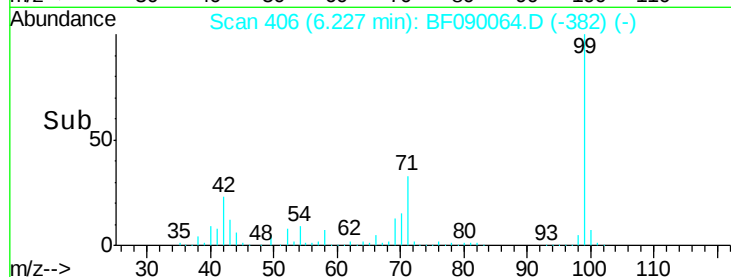
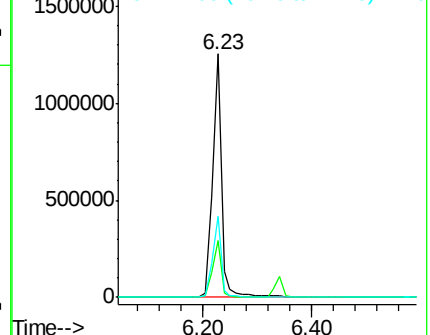
71 33.5 25.8 38.6



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: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Tgt Ion: 136 Resp: 812813

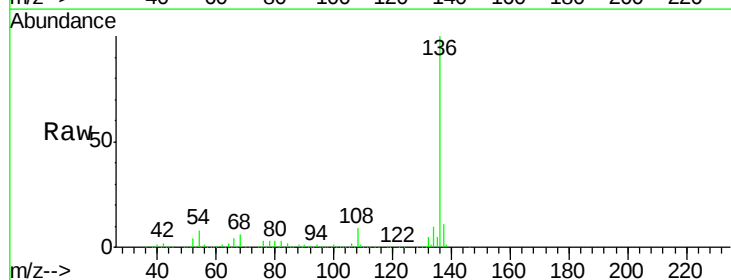
Ion Ratio Lower Upper

136 100

137 11.0 8.3 12.5

54 8.0 4.8 7.2#

68 5.5 3.7 5.5#

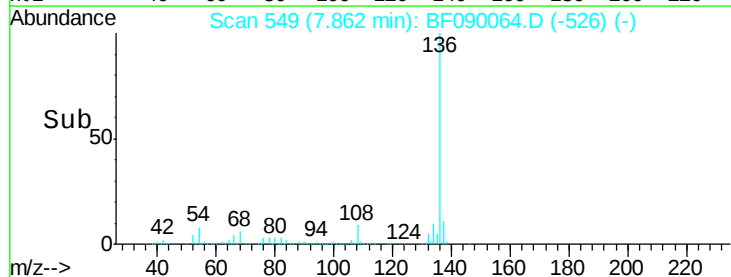
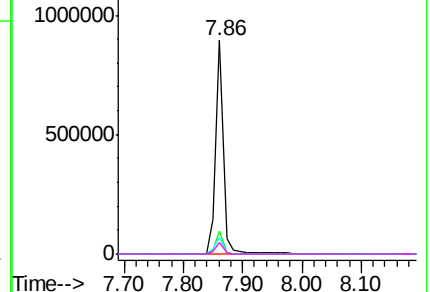


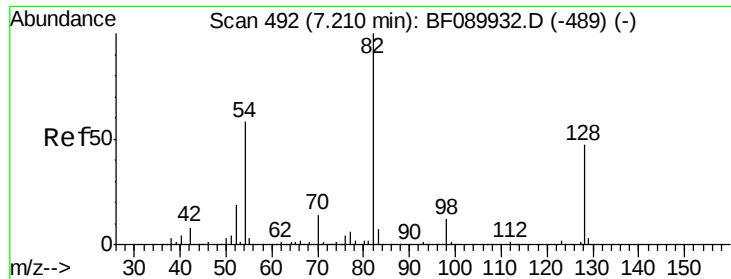
Abundance Ion 136.00 (135.70 to 136.70): E

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

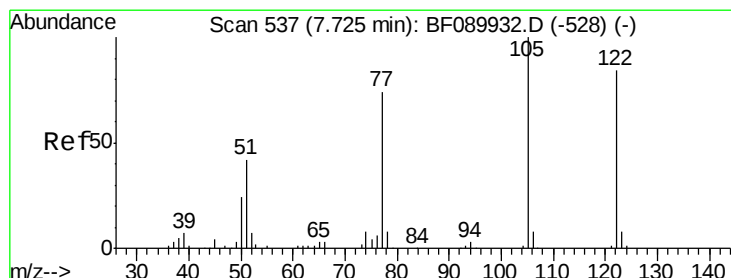
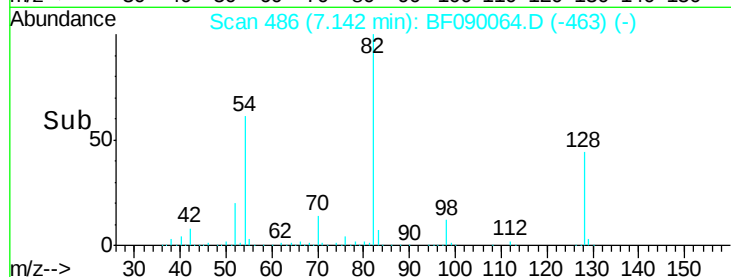
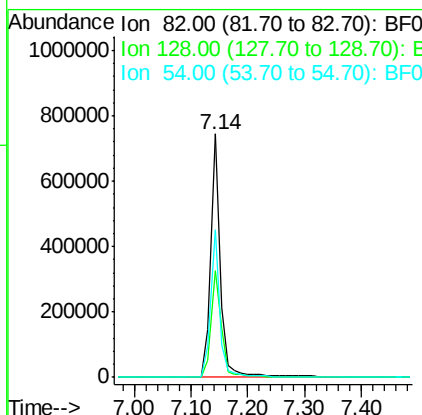
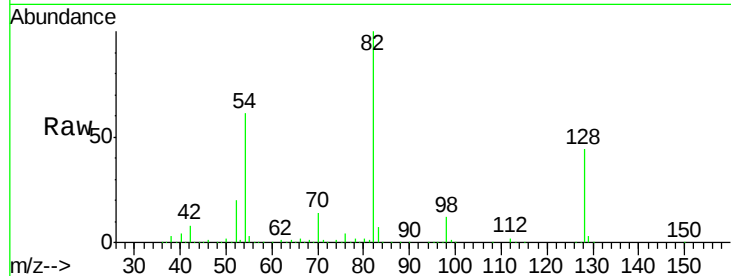




#23
 Nitrobenzene-d5
 Concen: 61.33 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF090064.D
 Acq: 12 Sep 2016 15:35

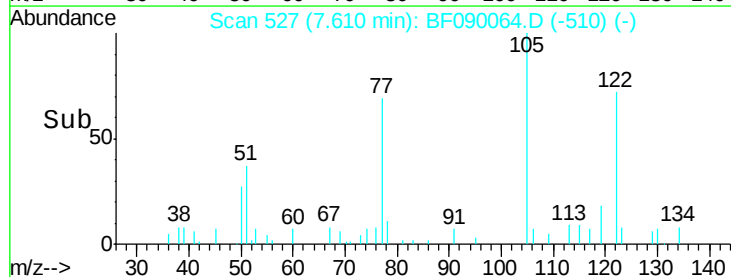
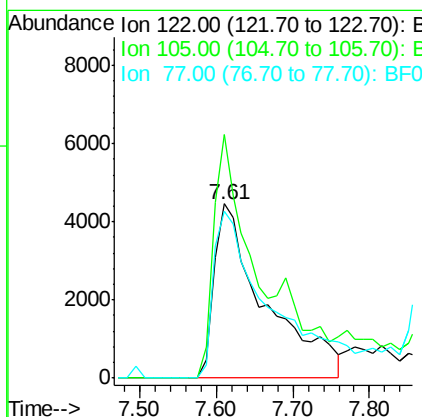
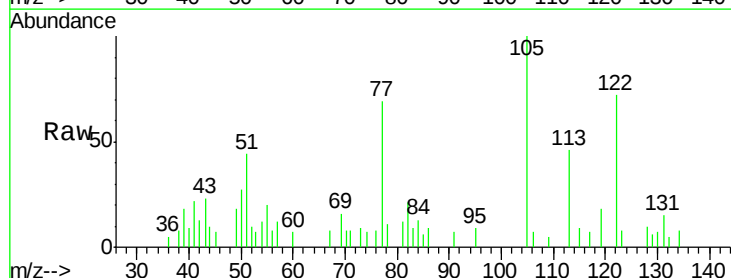
Instrument :
 BNA_F
 ClientSampleId :
 EME-BAYSHORE-EMBANKMENT

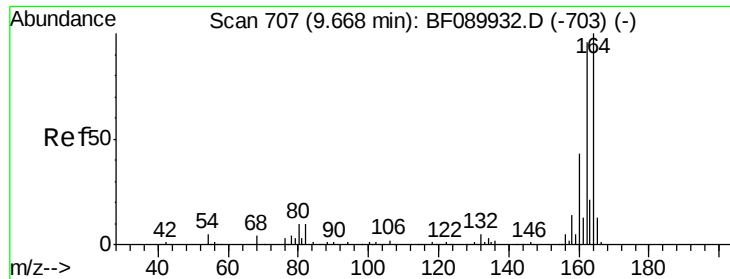
Tgt Ion: 82 Resp: 859576
 Ion Ratio Lower Upper
 82 100
 128 43.6 37.8 56.8
 54 60.6 46.9 70.3



#32
 Benzoic acid
 Concen: 2.32 ng
 RT: 7.61 min Scan# 527
 Delta R.T. -0.10 min
 Lab File: BF090064.D
 Acq: 12 Sep 2016 15:35

Tgt Ion: 122 Resp: 20628
 Ion Ratio Lower Upper
 122 100
 105 139.8 102.2 142.2
 77 95.8 74.1 114.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Instrument :

BNA_F

ClientSampleId :

EME-BAYSHORE-EMBANKMENT

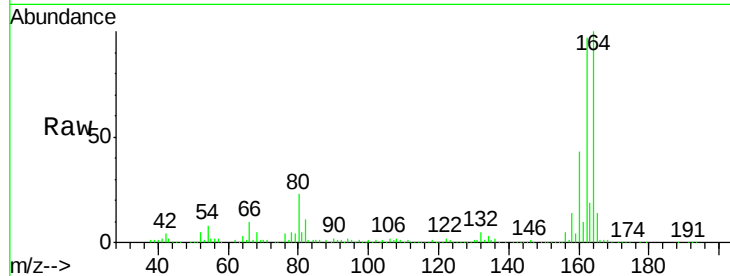
Tgt Ion:164 Resp: 344532

Ion Ratio Lower Upper

164 100

162 96.8 77.1 115.7

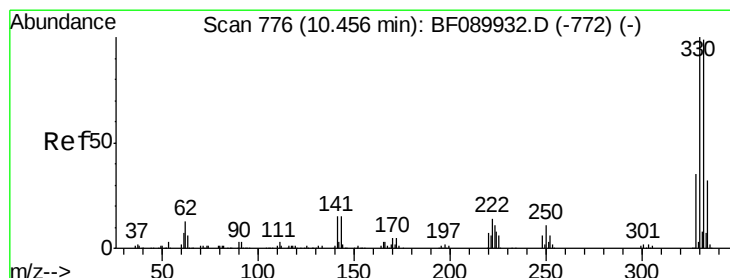
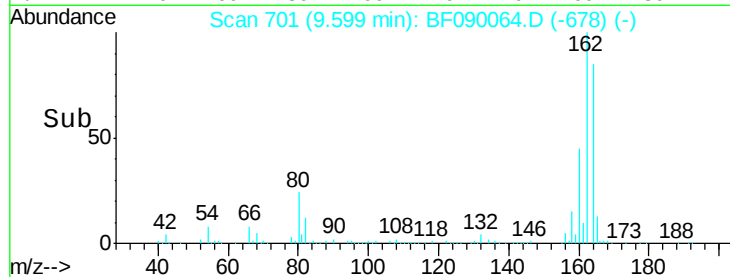
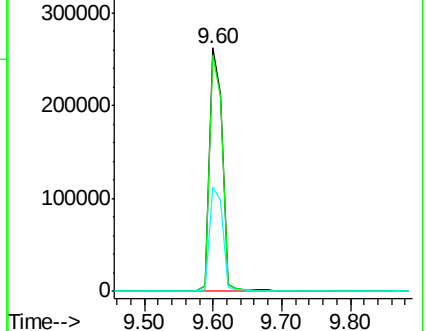
160 42.9 35.3 52.9



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: 85.24 ng

RT: 10.39 min Scan# 770

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

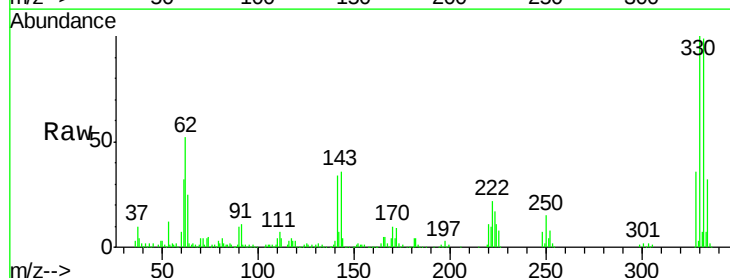
Tgt Ion:330 Resp: 289753

Ion Ratio Lower Upper

330 100

332 98.8 78.6 117.8

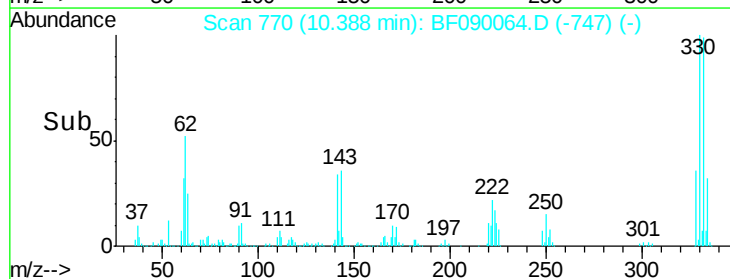
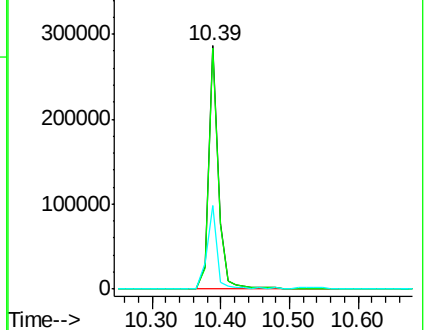
141 33.9 23.3 34.9

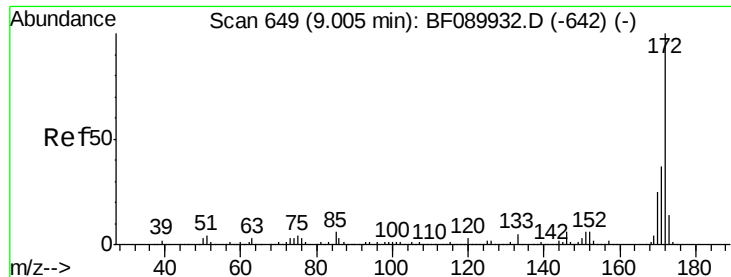


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

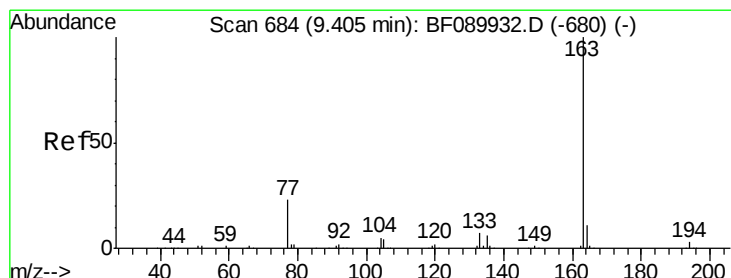
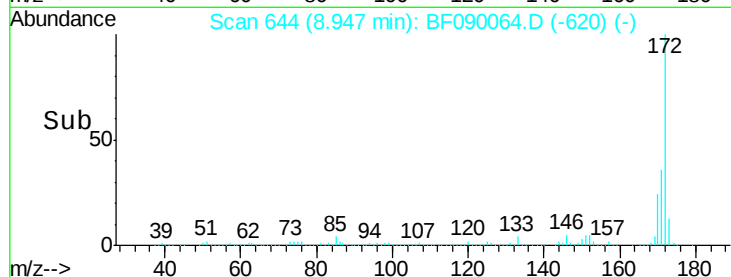
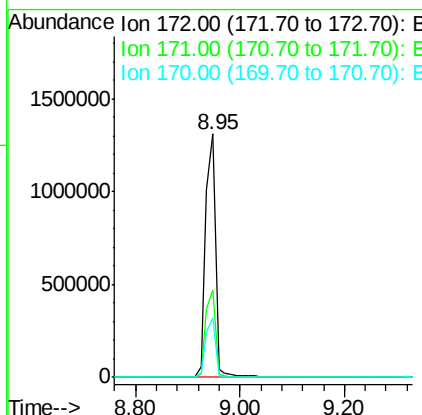
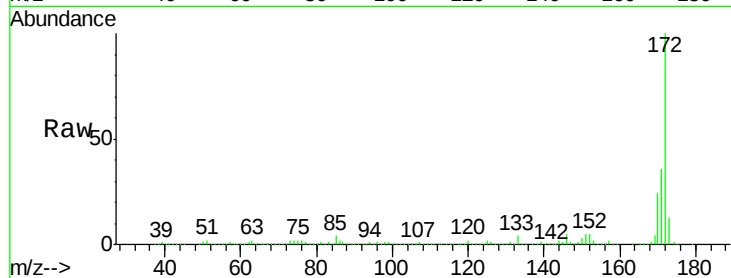




#44
 2-Fluorobiphenyl
 Concen: 82.61 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF090064.D
 Acq: 12 Sep 2016 15:35

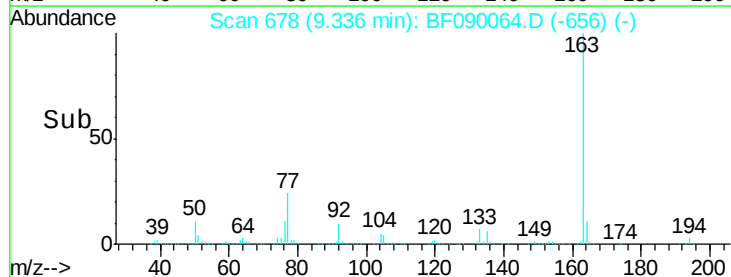
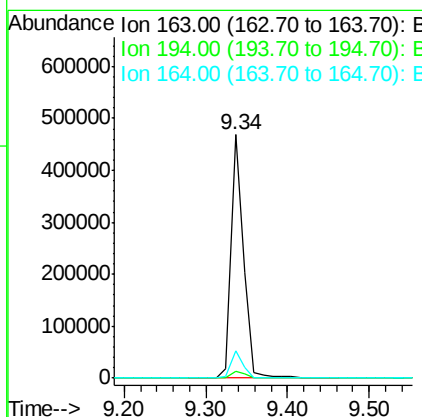
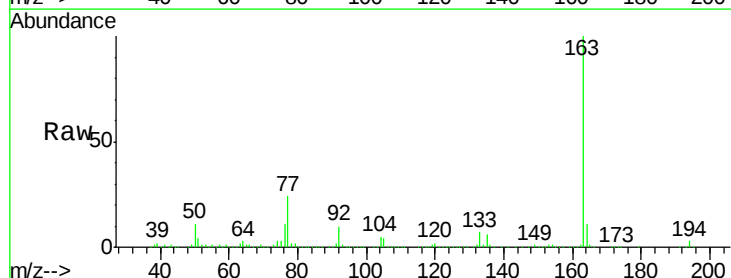
Instrument :
 BNA_F
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 EME-BAYSHORE-EMBANKMENT

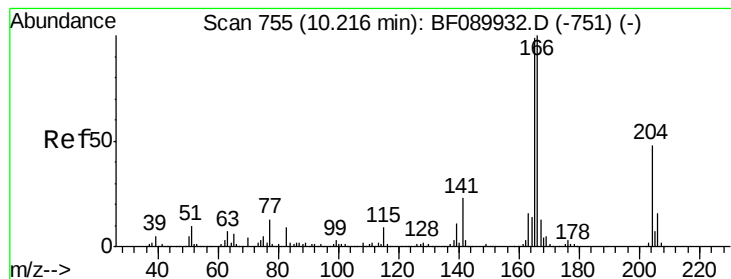
Tgt Ion:172 Resp: 1733922
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.2
 170 24.2 20.1 30.1



#49
 Dimethylphthalate
 Concen: 19.67 ng
 RT: 9.34 min Scan# 678
 Delta R.T. -0.05 min
 Lab File: BF090064.D
 Acq: 12 Sep 2016 15:35

Tgt Ion:163 Resp: 489820
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.7 4.1
 164 11.0 9.0 13.4





#57

Fluorene

Concen: 2.81 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Instrument :

BNA_F

ClientSampleId :

EME-BAYSHORE-EMBANKMENT

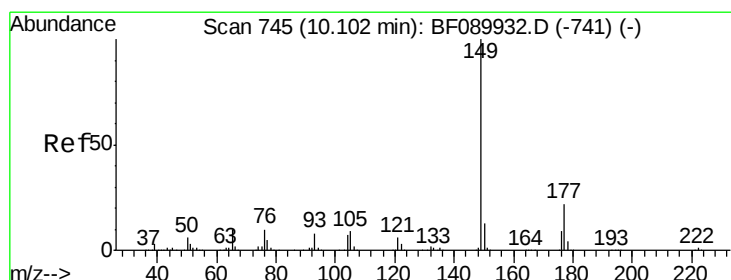
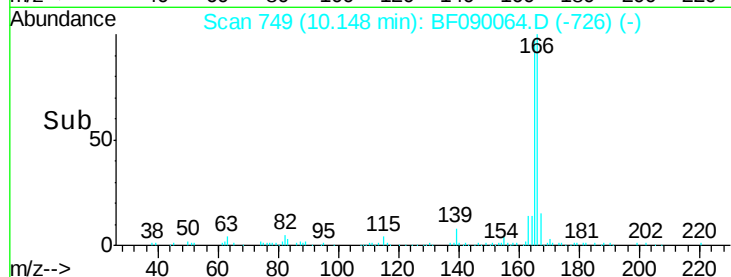
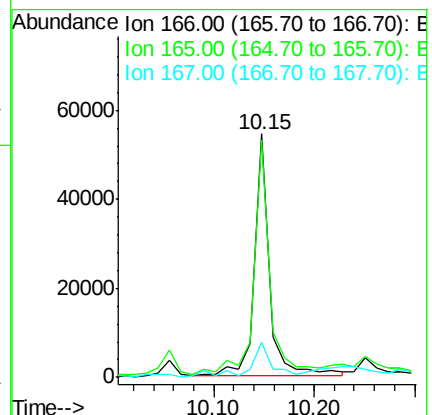
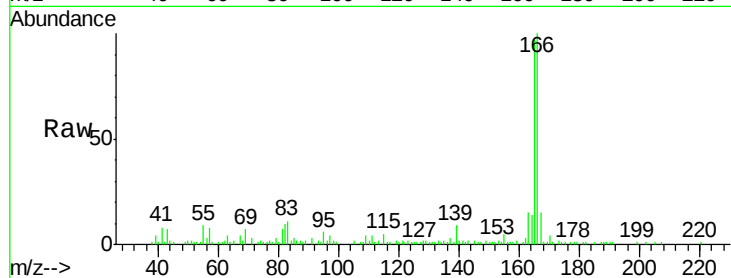
Tgt Ion:166 Resp: 56633

Ion Ratio Lower Upper

166 100

165 97.4 78.6 118.0

167 14.6 10.6 15.8



#59

Diethylphthalate

Concen: 2.08 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

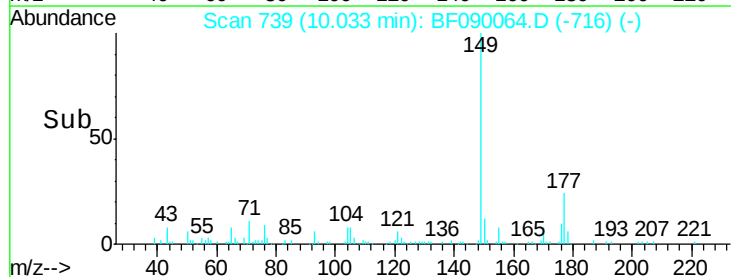
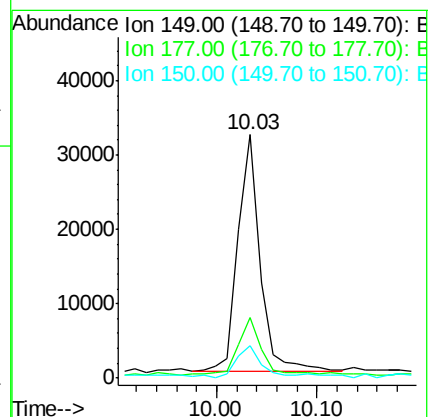
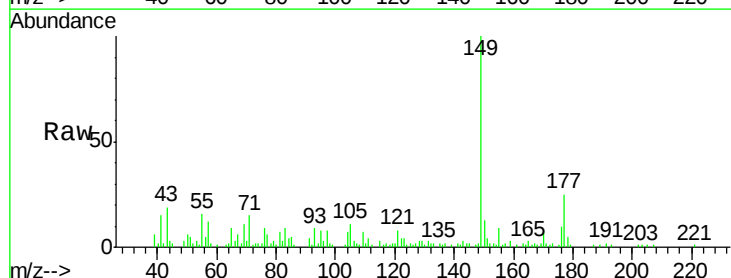
Tgt Ion:149 Resp: 48839

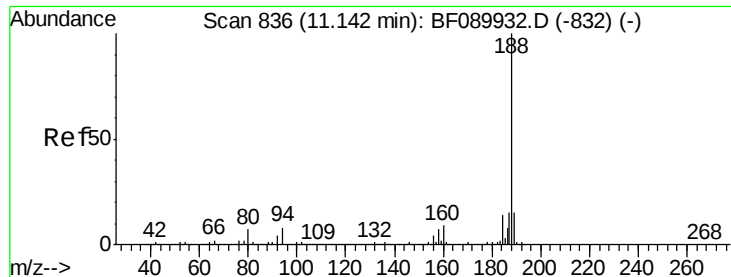
Ion Ratio Lower Upper

149 100

177 24.8 17.7 26.5

150 13.1 10.2 15.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Instrument :

BNA_F

ClientSampleId :

EME-BAYSHORE-EMBANKMENT

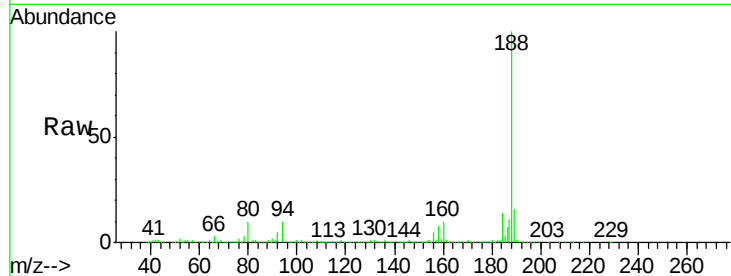
Tgt Ion:188 Resp: 595605

Ion Ratio Lower Upper

188 100

94 9.6 5.9 8.9#

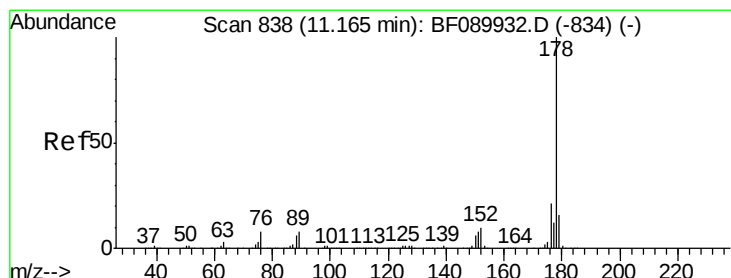
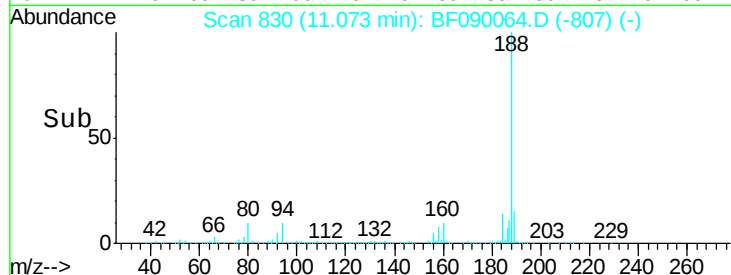
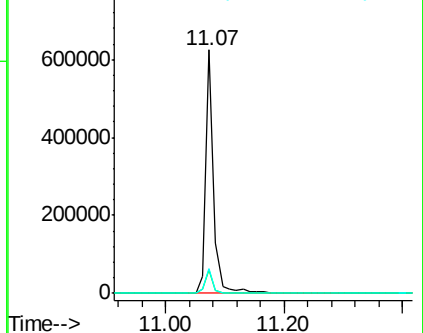
80 10.0 5.8 8.8#



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: 14.16 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

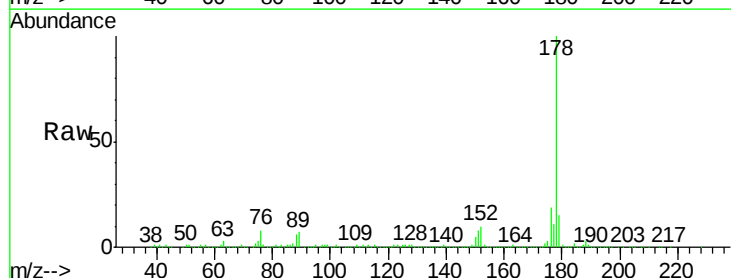
Tgt Ion:178 Resp: 420131

Ion Ratio Lower Upper

178 100

176 19.3 16.5 24.7

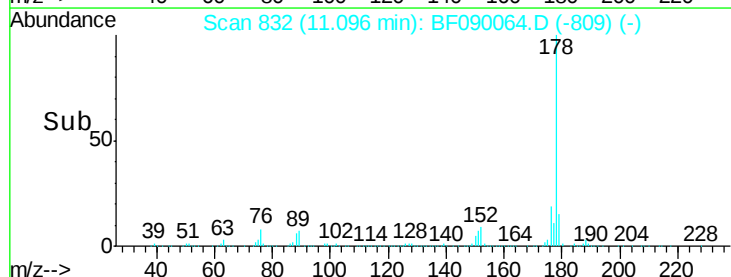
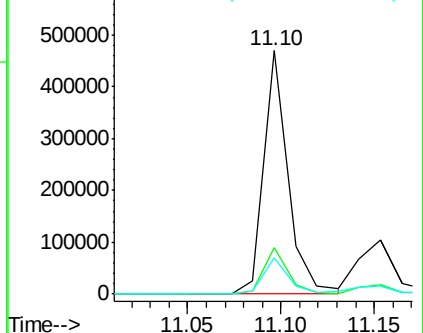
179 15.1 12.8 19.2

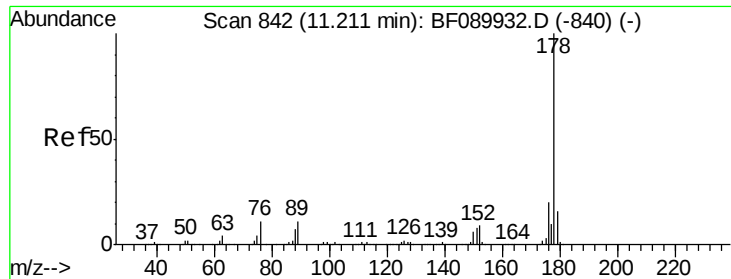


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

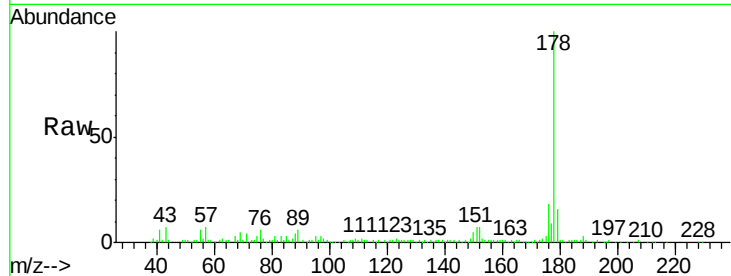




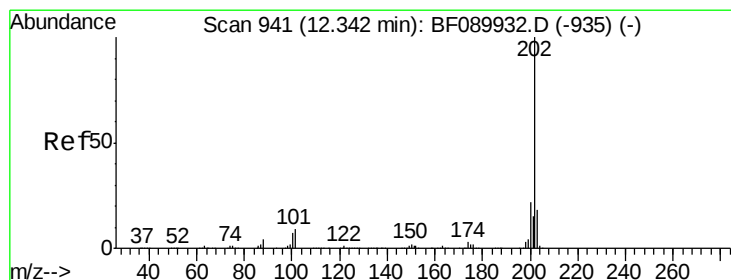
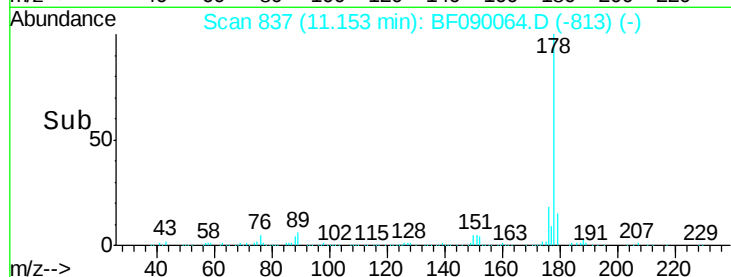
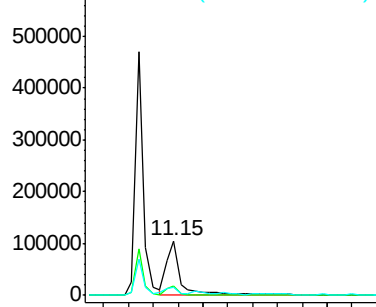
#71
 Anthracene
 Concen: 5.48 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.02 min
 Lab File: BF090064.D
 Acq: 12 Sep 2016 15:35

Instrument :
 BNA_F
 ClientSampleId :
 EME-BAYSHORE-EMBANKMENT

Tgt Ion:178 Resp: 164879
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.8 23.8
 179 15.6 13.0 19.4

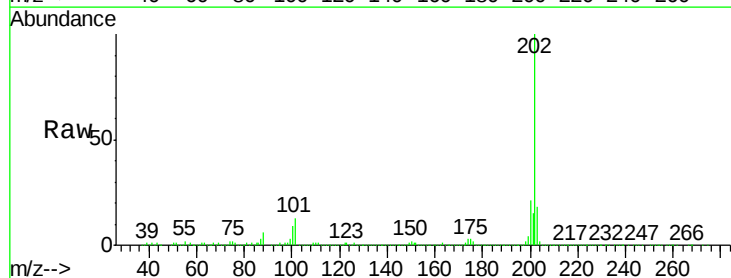


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

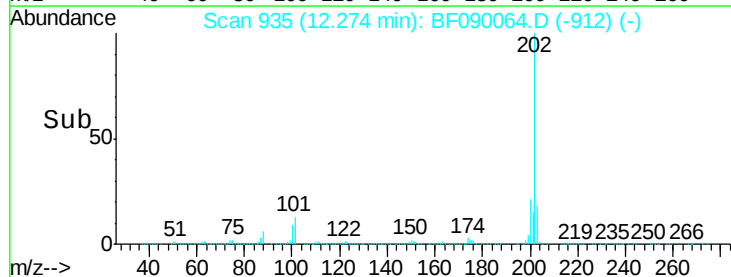
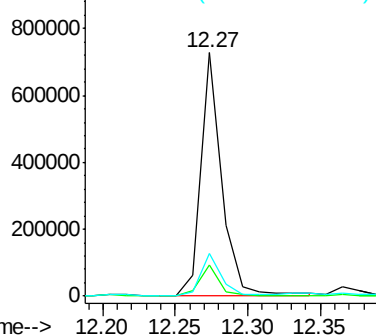


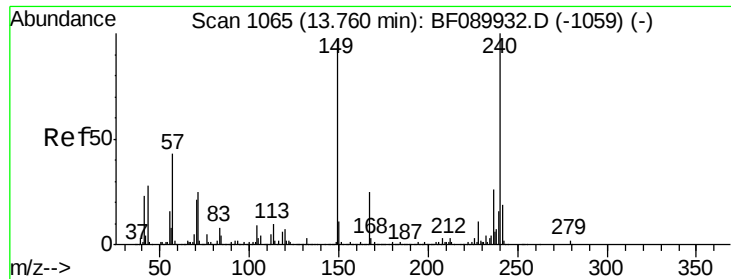
#74
 Fluoranthene
 Concen: 23.26 ng
 RT: 12.27 min Scan# 935
 Delta R.T. -0.03 min
 Lab File: BF090064.D
 Acq: 12 Sep 2016 15:35

Tgt Ion:202 Resp: 722879
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 28.5
 203 17.7 0.0 38.0



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: 13.69 min Scan# 1059

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Instrument :

BNA_F

ClientSampleId :

EME-BAYSHORE-EMBANKMENT

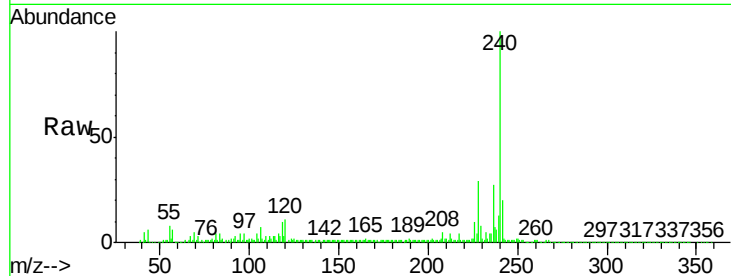
Tgt Ion:240 Resp: 449323

Ion Ratio Lower Upper

240 100

120 11.5 5.7 8.5#

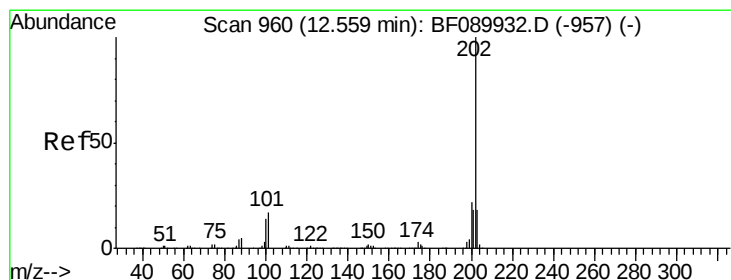
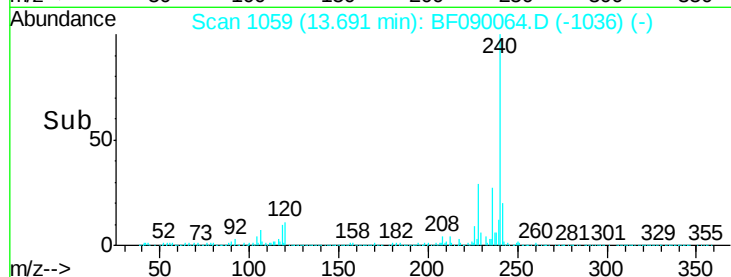
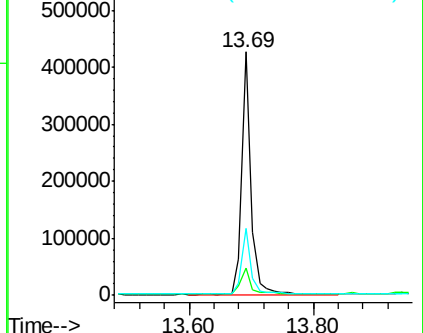
236 27.3 21.3 31.9



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: 22.98 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

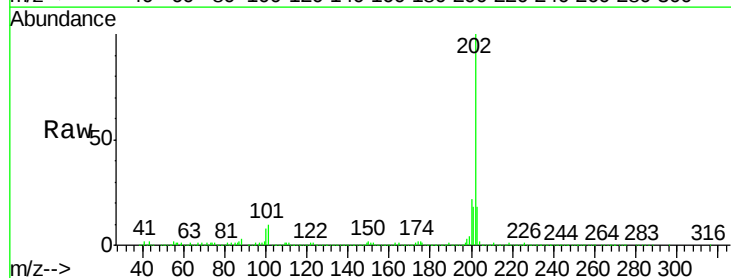
Tgt Ion:202 Resp: 727944

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

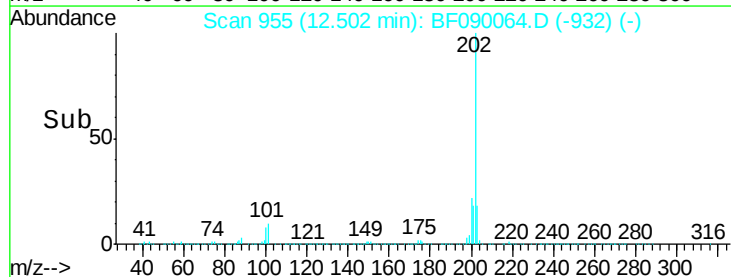
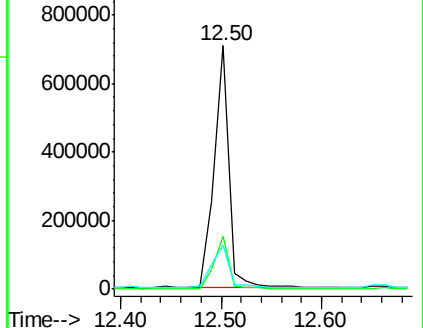
203 18.2 14.6 21.8

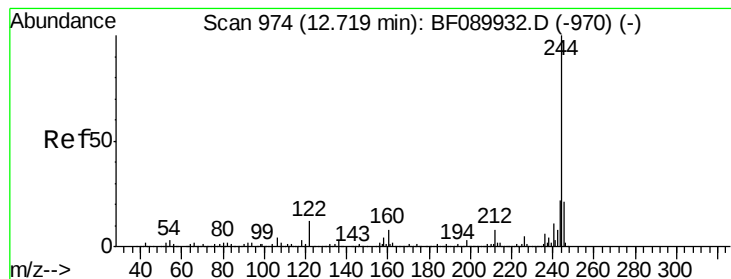


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.51 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Instrument :

BNA_F

ClientSampleId :

EME-BAYSHORE-EMBANKMENT

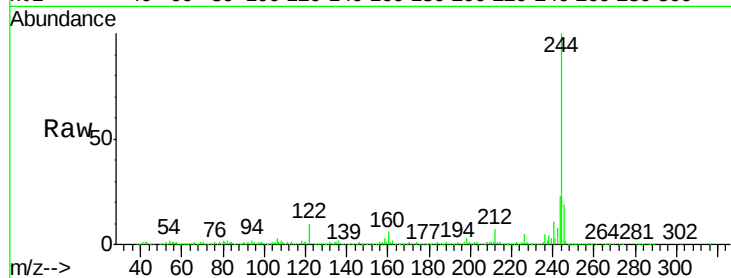
Tgt Ion:244 Resp: 1355329

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

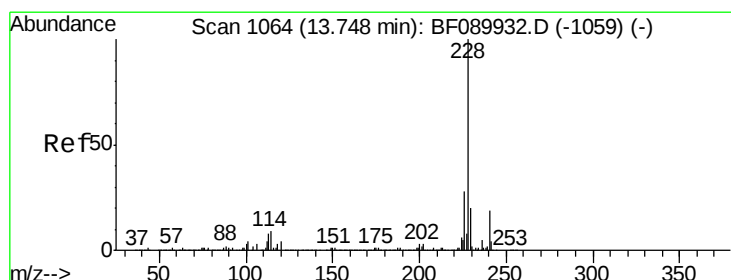
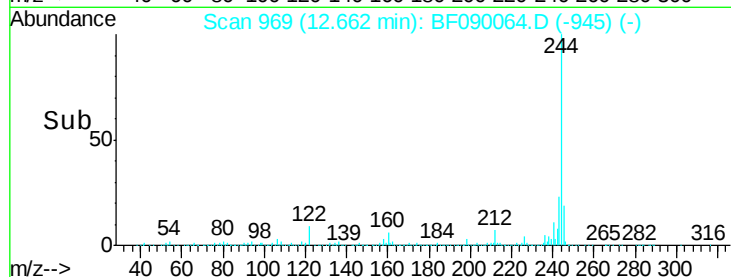
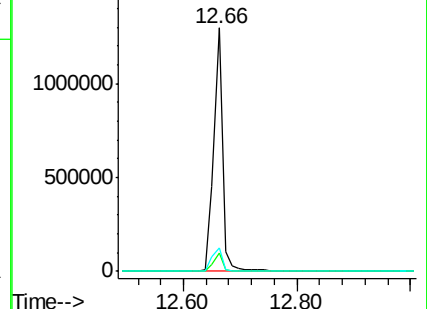
122 9.5 9.6 14.4#



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: 14.72 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

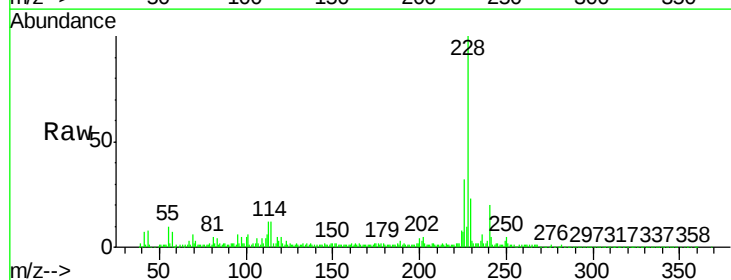
Tgt Ion:228 Resp: 405227

Ion Ratio Lower Upper

228 100

226 32.2 22.2 33.2

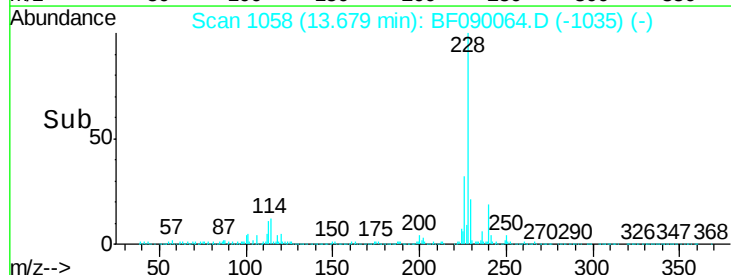
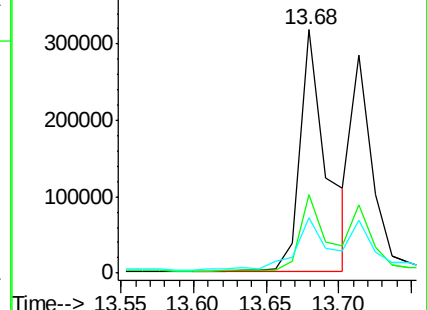
229 22.6 15.8 23.6

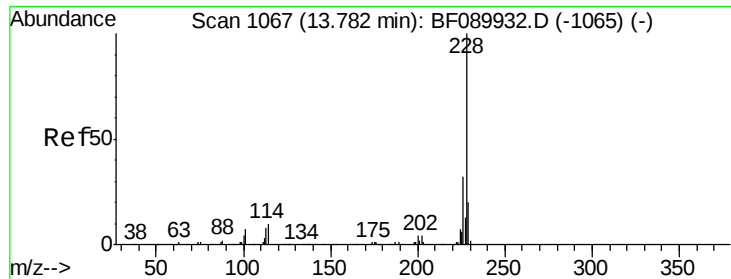


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.97 ng m

RT: 13.71 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Instrument :

BNA_F

ClientSampleId :

EME-BAYSHORE-EMBANKMENT

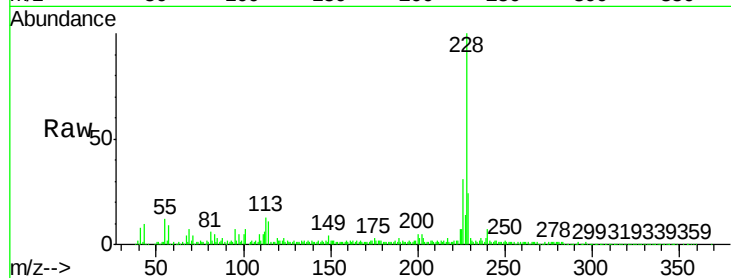
Tgt Ion: 228 Resp: 281976

Ion Ratio Lower Upper

228 100

226 31.2 25.2 37.8

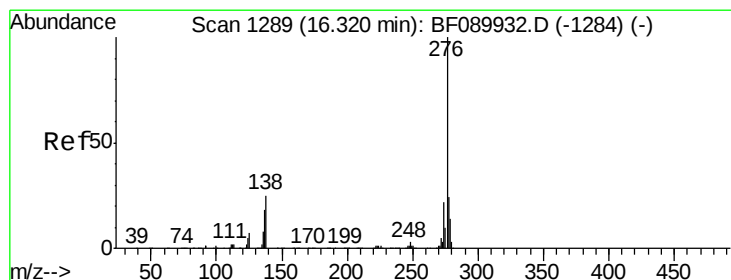
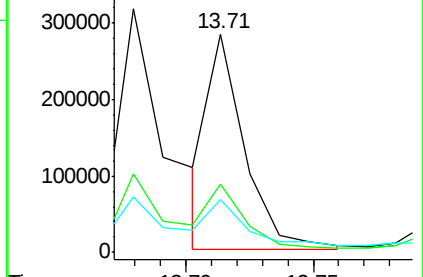
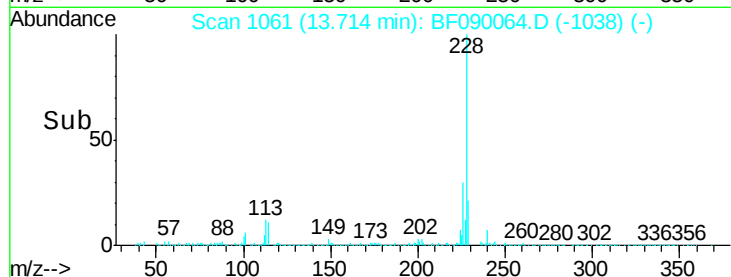
229 24.2 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.08 ng

RT: 16.24 min Scan# 1282

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

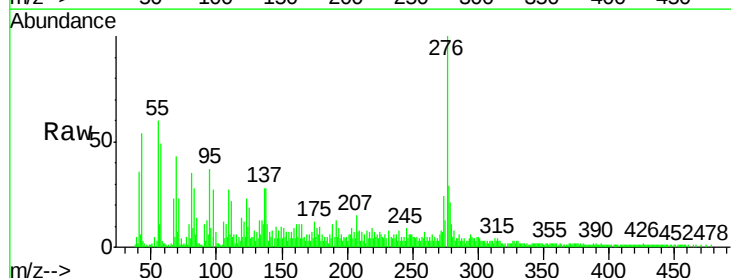
Tgt Ion: 276 Resp: 115525

Ion Ratio Lower Upper

276 100

138 20.0 22.6 34.0#

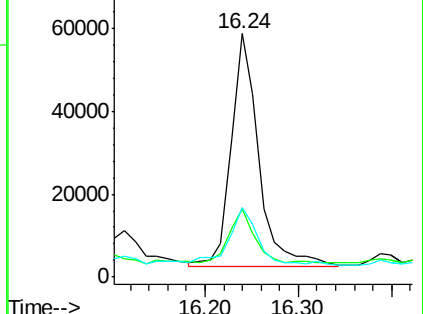
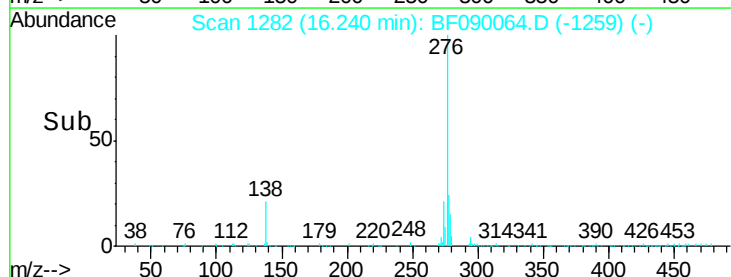
277 24.1 20.1 30.1

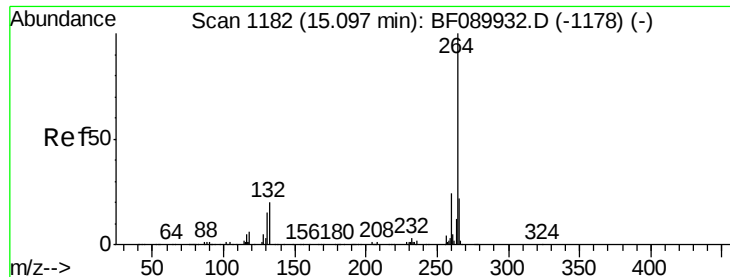


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

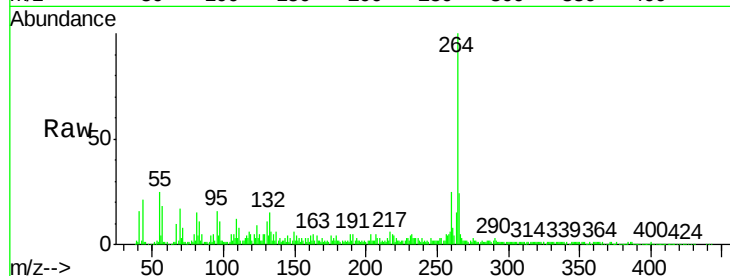




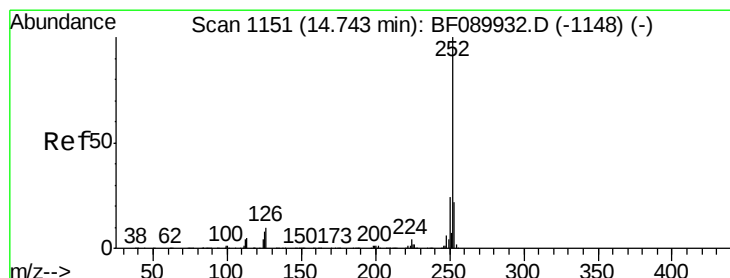
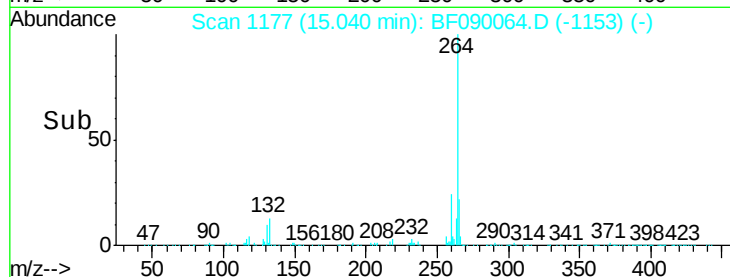
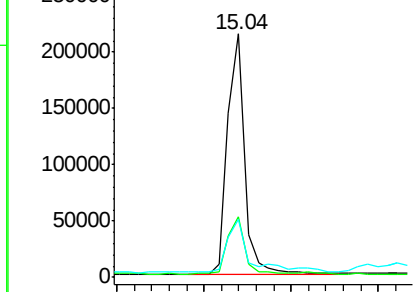
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Instrument :
BNA_F
ClientSampleId :
EME-BAYSHORE-EMBANKMENT

Tgt Ion:	264	Resp:	299695
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.0
265	23.8	17.4	26.2

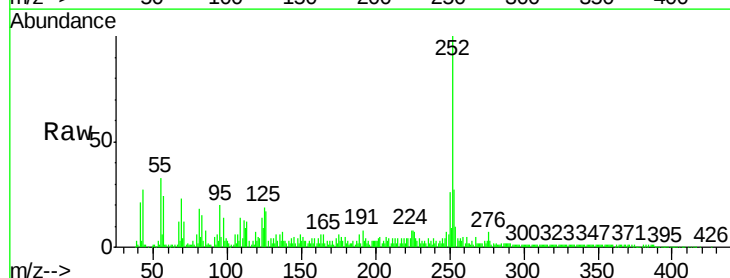


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

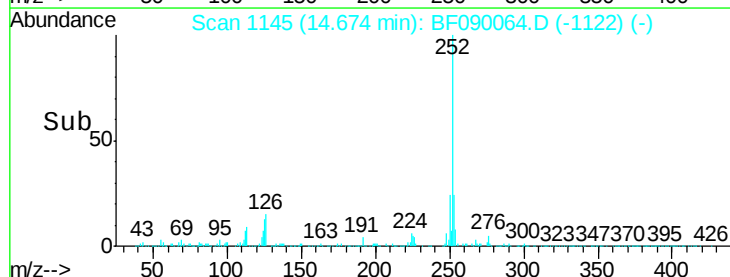
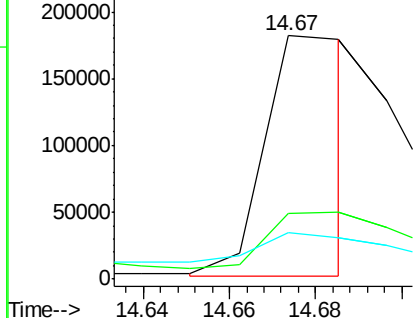


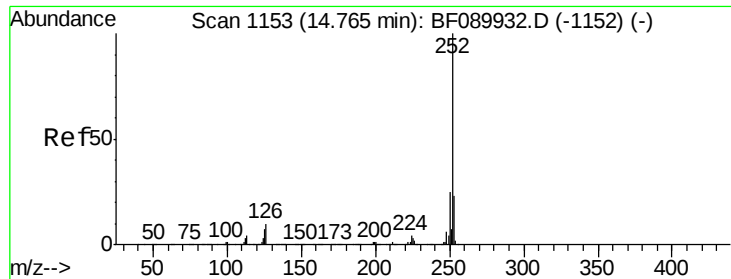
#87
Benzo(b)fluoranthene
Concen: 13.64 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:	252	Resp:	256180
Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.0	27.0
125	19.2	5.7	8.5#



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

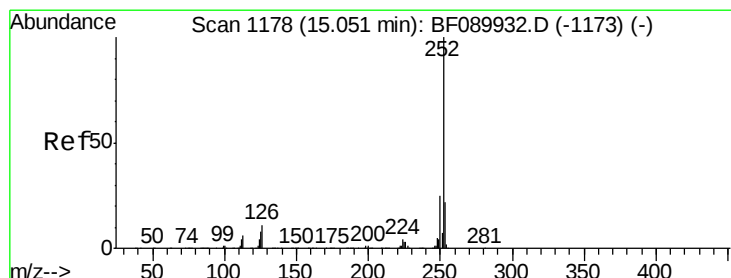
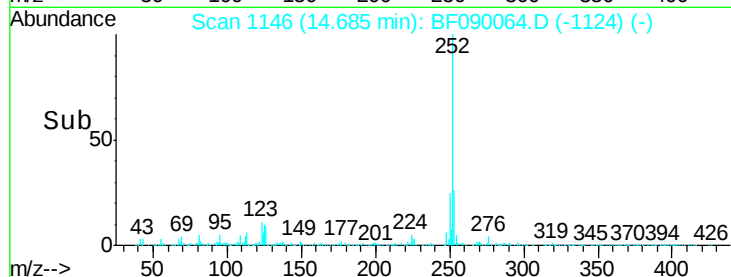
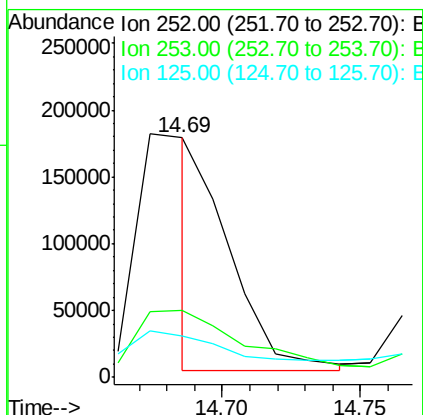
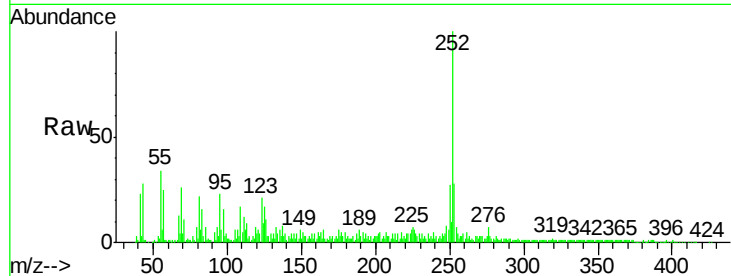




#88
Benzo(k)fluoranthene
Concen: 9.05 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.05 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

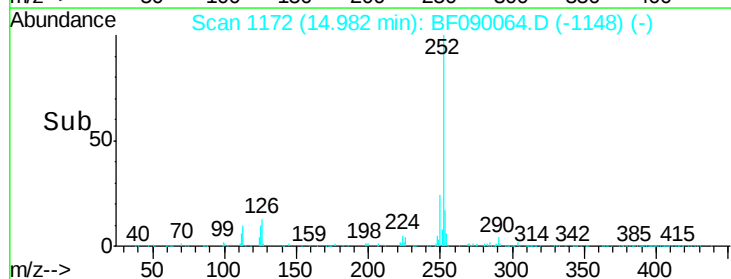
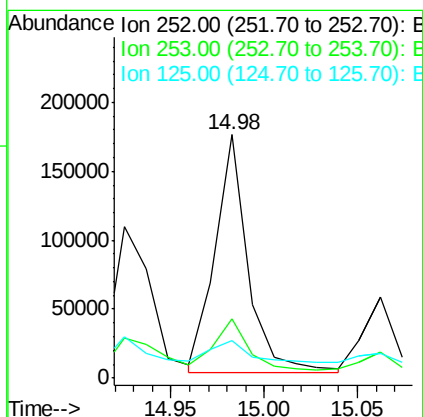
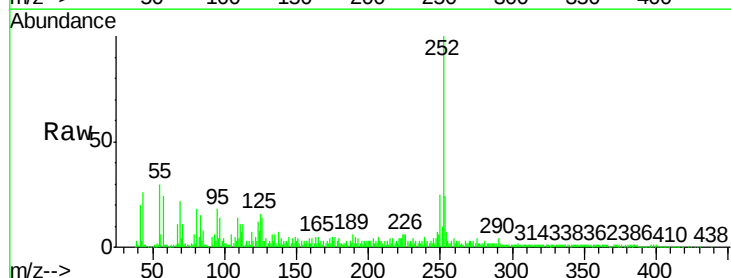
Instrument :
BNA_F
ClientSampleId :
EME-BAYSHORE-EMBANKMENT

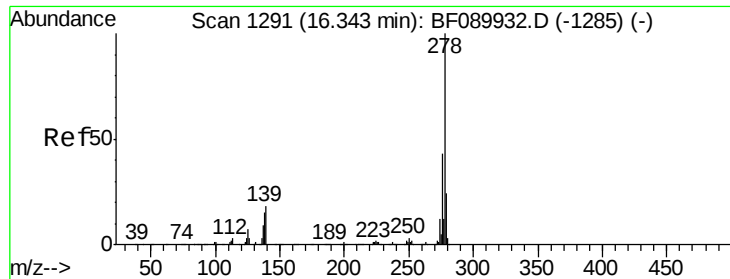
Tgt Ion:252 Resp: 144108
Ion Ratio Lower Upper
252 100
253 27.9 17.8 26.8#
125 17.1 7.3 10.9#



#89
Benzo(a)pyrene
Concen: 13.31 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF090064.D
Acq: 12 Sep 2016 15:35

Tgt Ion:252 Resp: 214142
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 15.6 6.3 9.5#





#90

Dibenzo(a,h)anthracene

Concen: 2.50 ng m

RT: 16.25 min Scan# 1283

Delta R.T. -0.05 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

Instrument :

BNA_F

ClientSampleId :

EME-BAYSHORE-EMBANKMENT

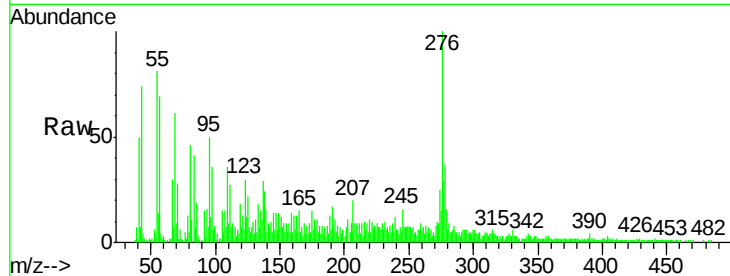
Tgt Ion: 278 Resp: 29456

Ion Ratio Lower Upper

278 100

139 42.6 13.4 20.2#

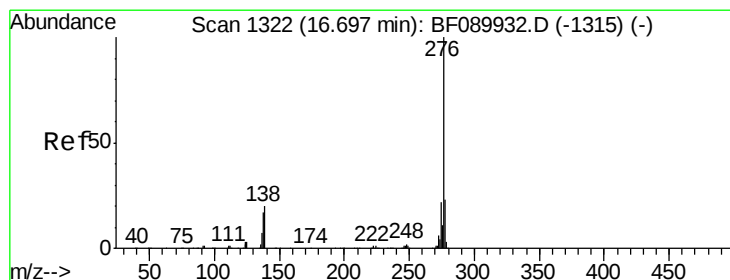
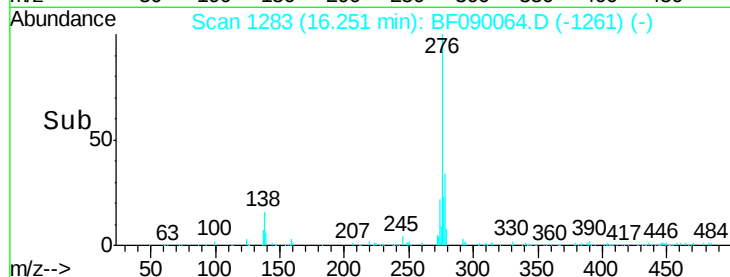
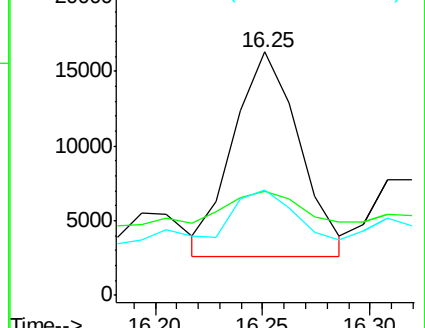
279 43.3 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.94 ng

RT: 16.61 min Scan# 1314

Delta R.T. -0.03 min

Lab File: BF090064.D

Acq: 12 Sep 2016 15:35

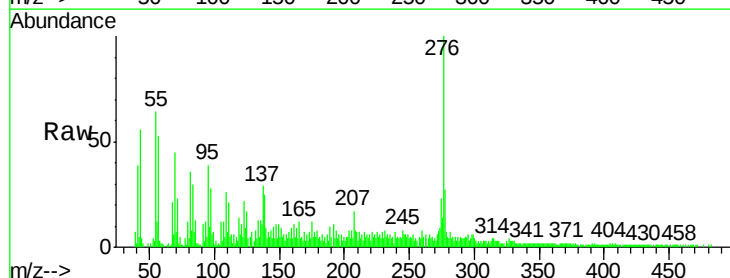
Tgt Ion: 276 Resp: 106087

Ion Ratio Lower Upper

276 100

277 27.1 19.0 28.4

138 24.8 16.4 24.6#



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

