

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\
 Data File : BE091947.D
 Acq On : 24 Jun 2016 15:27
 Operator : UM/SJ
 Sample : H3722-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160621

Quant Time: Jun 24 19:13:07 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

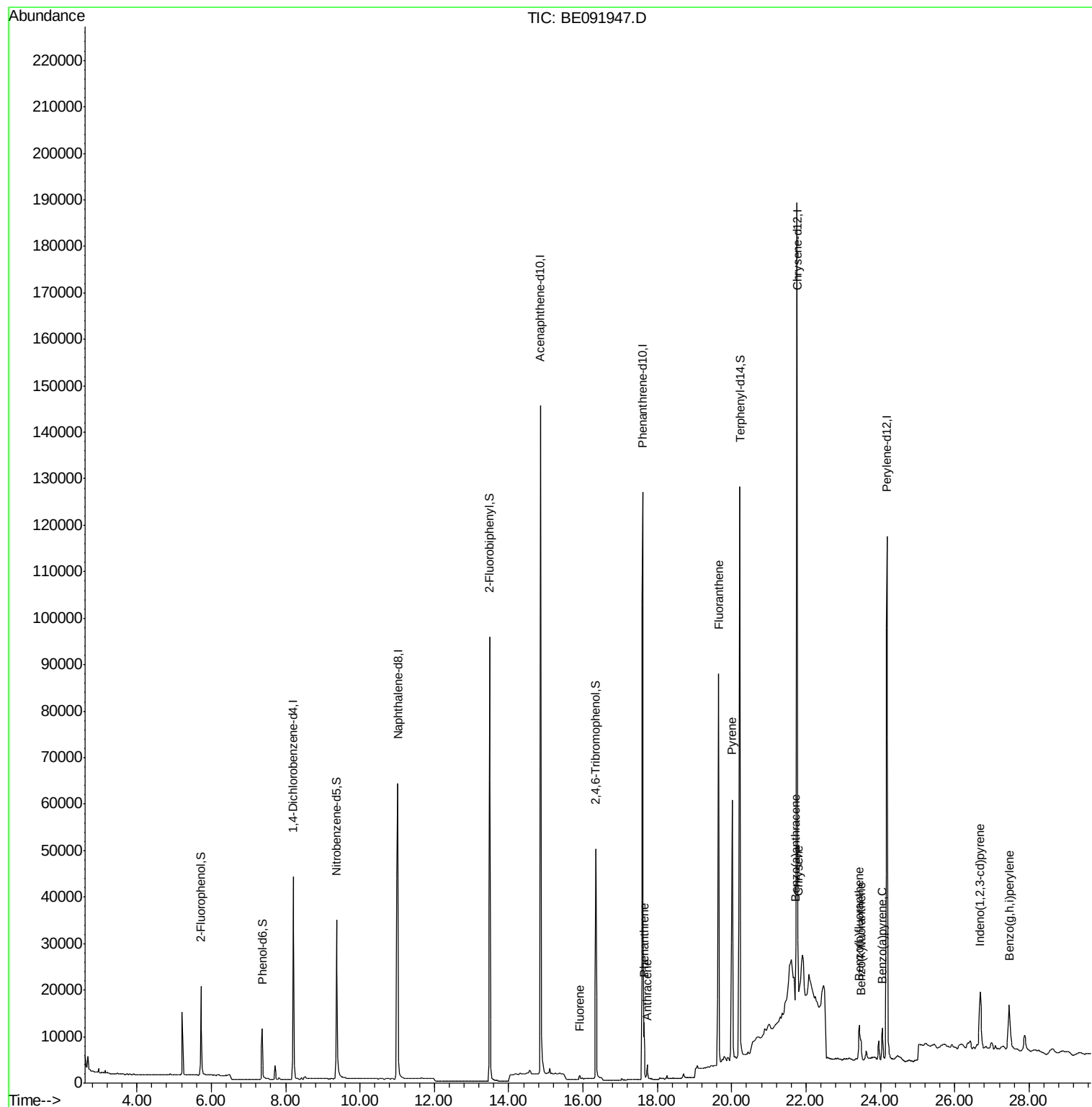
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	26445	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	129693	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	88788	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	168244	5.00	ng	0.00
31) Chrysene-d12	21.76	240	227833	5.00	ng	0.00
40) Perylene-d12	24.17	264	168884	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	16678	3.23	ng	0.00
5) Phenol-d6	7.37	99	14916	1.86	ng	0.02
9) Nitrobenzene-d5	9.36	82	37026	4.14	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	24881	10.74	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	98050	4.35	ng	0.00
34) Terphenyl-d14	20.22	244	169517	6.08	ng	0.00
Target Compounds						Qvalue
22) Fluorene	15.91	166	900	0.04	ng	91
28) Phenanthrene	17.64	178	12302	0.29	ng	98
29) Anthracene	17.73	178	3624	0.10	ng	99
30) Fluoranthene	19.65	202	111624	0.62	ng	# 87
33) Pyrene	20.02	202	88185	0.57	ng	# 71
35) Benzo(a)anthracene	21.73	228	11596m	0.32	ng	
37) Chrysene	21.79	228	12550m	0.24	ng	
39) Indeno(1,2,3-cd)pyrene	26.69	276	26845	0.15	ng	98
41) Benzo(b)fluoranthene	23.43	252	13684m	0.32	ng	
42) Benzo(k)fluoranthene	23.47	252	5727m	0.14	ng	
43) Benzo(a)pyrene	24.06	252	10382	0.27	ng	# 55
45) Benzo(a,h,i)perylene	27.47	276	24781	0.16	ng	# 61

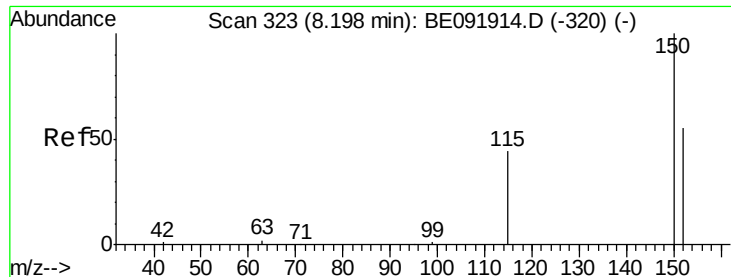
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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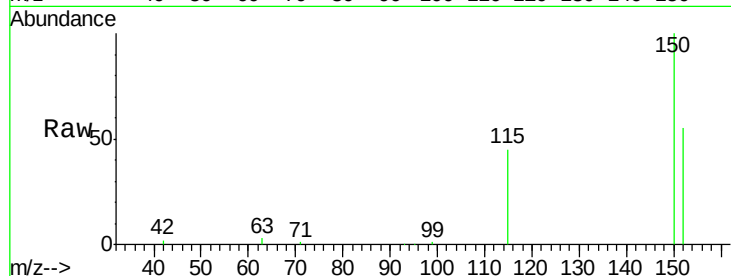


#1

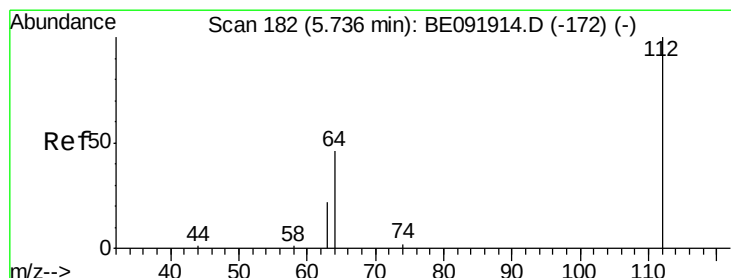
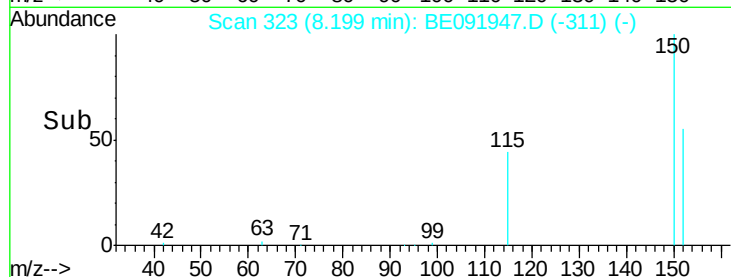
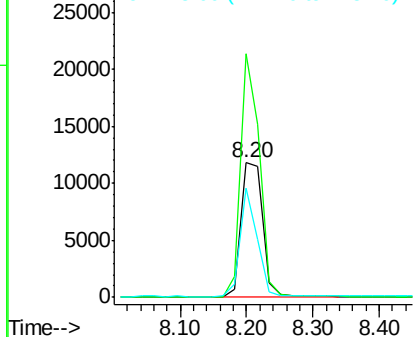
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tot Ion:152 Resp: 26445
Ion Ratio Lower Upper
152 100
150 181.1 123.9 185.9
115 81.0 48.3 72.5#



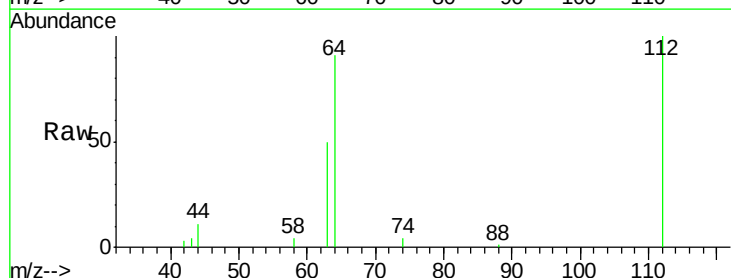
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



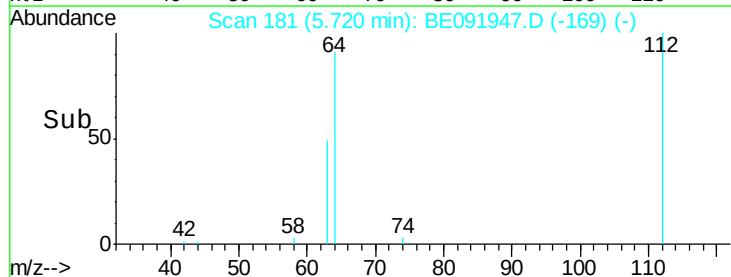
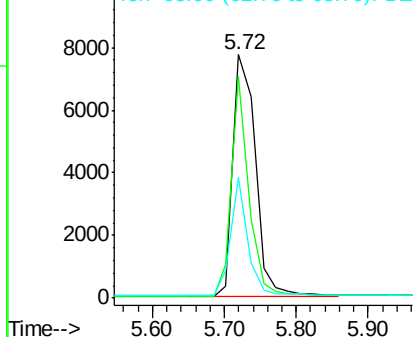
#4

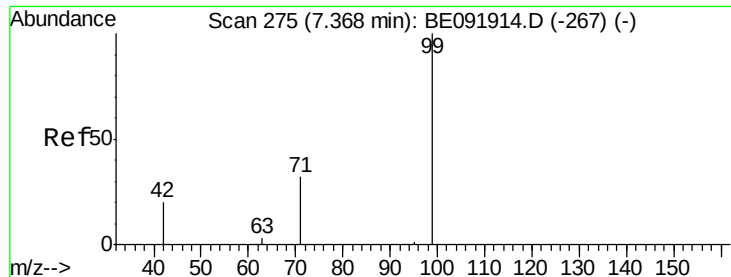
2-Fluorophenol
Concen: 3.23 ng
RT: 5.72 min Scan# 181
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:112 Resp: 16678
Ion Ratio Lower Upper
112 100
64 70.1 53.7 80.5
63 37.2 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.86 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160621

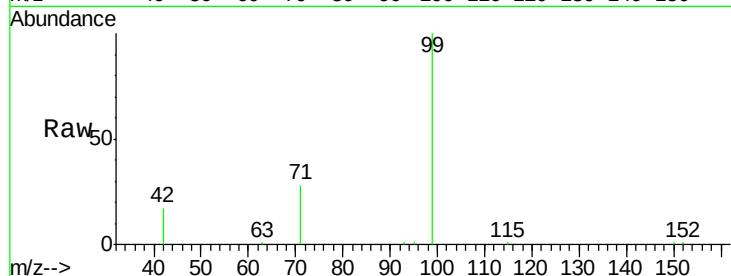
Tot Ion: 99 Resp: 14916

Ion Ratio Lower Upper

99 100

42 24.6 19.6 29.4

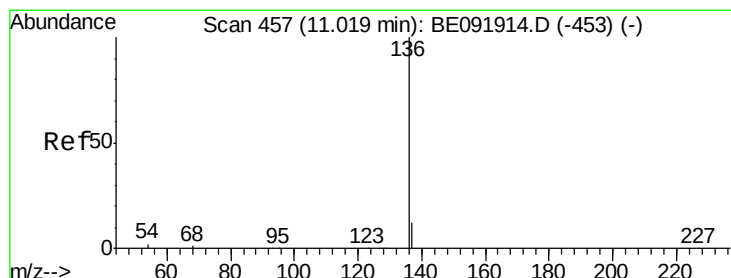
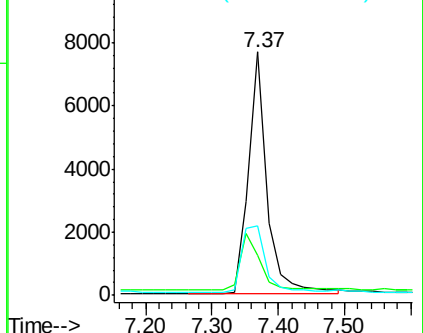
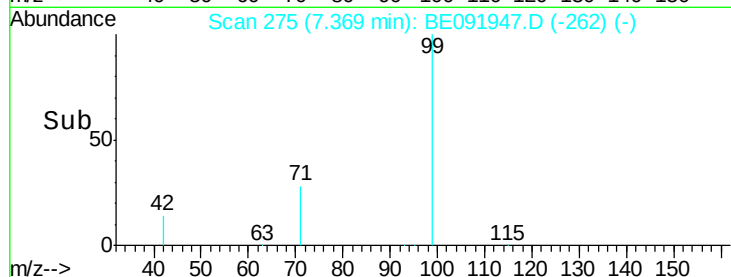
71 36.2 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.02 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

Tgt Ion: 136 Resp: 129693

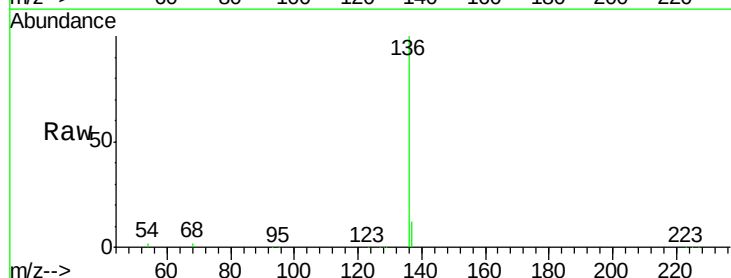
Ion Ratio Lower Upper

136 100

137 12.0 8.3 12.5

54 2.1 8.2 12.4#

68 1.8 5.9 8.9#

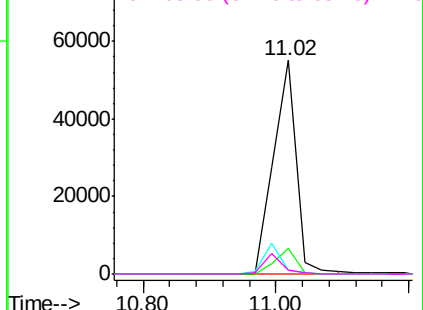
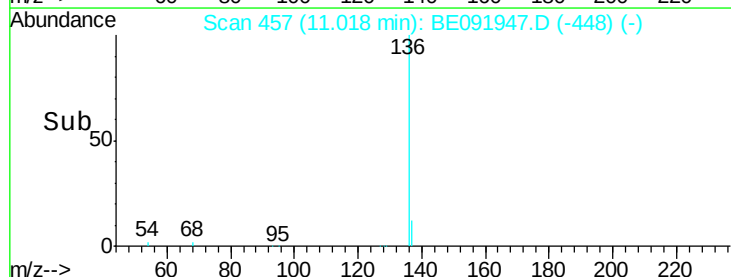


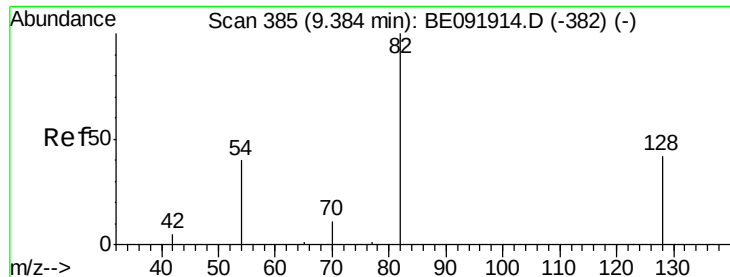
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#9

Nitrobenzene-d5

Concen: 4.14 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160621

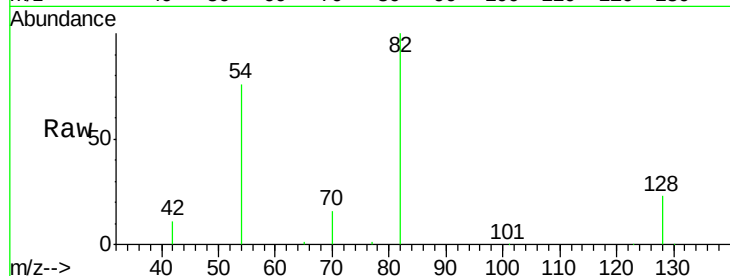
Tot Ion: 82 Resp: 37026

Ion Ratio Lower Upper

82 100

128 22.8 39.5 59.3#

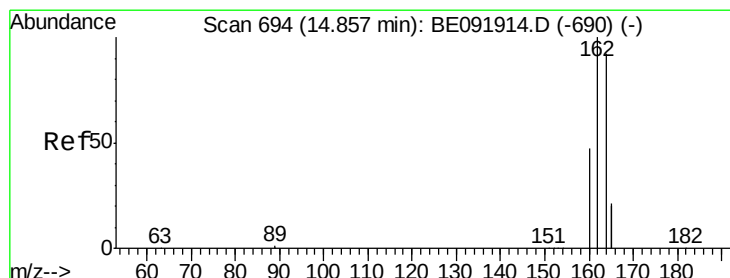
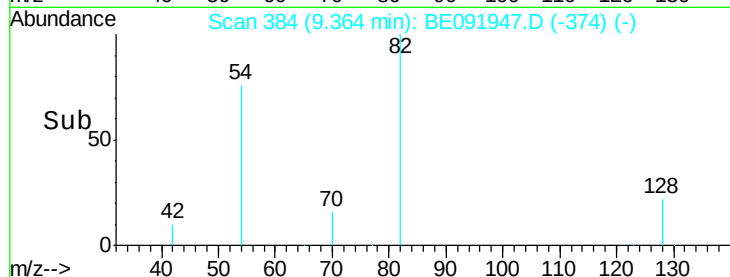
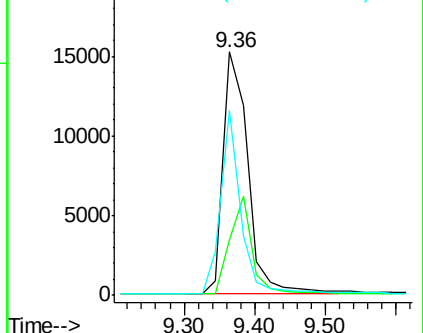
54 76.1 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE091914.D (-382) (-)

Ion 128.00 (127.70 to 128.70): BE091914.D (-382) (-)

Ion 54.00 (53.70 to 54.70): BE091914.D (-382) (-)



#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

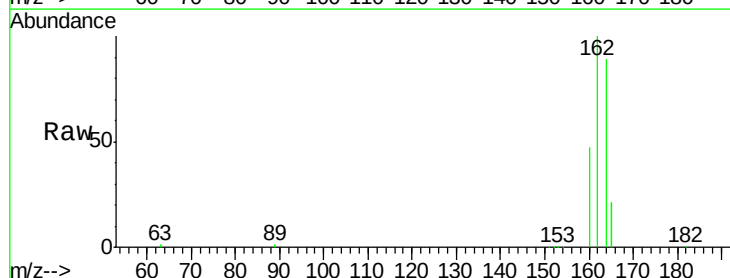
Tgt Ion: 164 Resp: 88788

Ion Ratio Lower Upper

164 100

162 111.9 71.8 107.8#

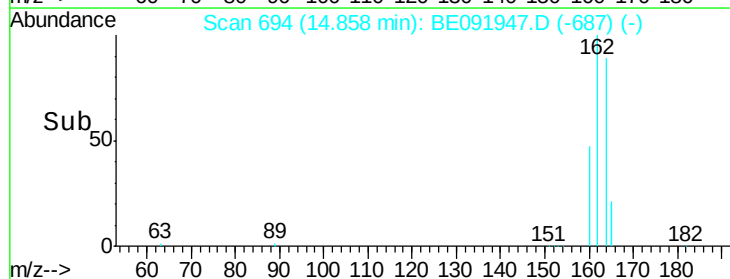
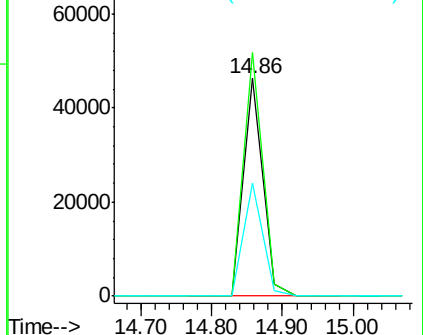
160 52.1 28.0 42.0#

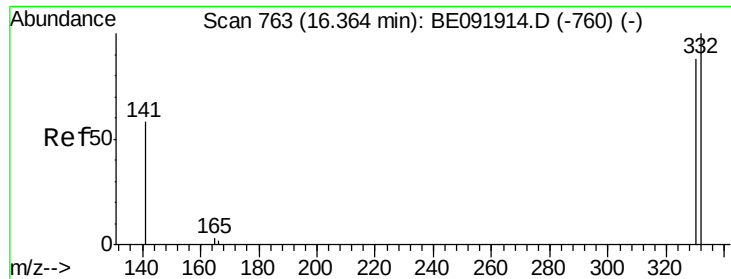


Abundance Ion 164.00 (163.70 to 164.70): BE091914.D (-690) (-)

Ion 162.00 (161.70 to 162.70): BE091914.D (-690) (-)

Ion 160.00 (159.70 to 160.70): BE091914.D (-690) (-)

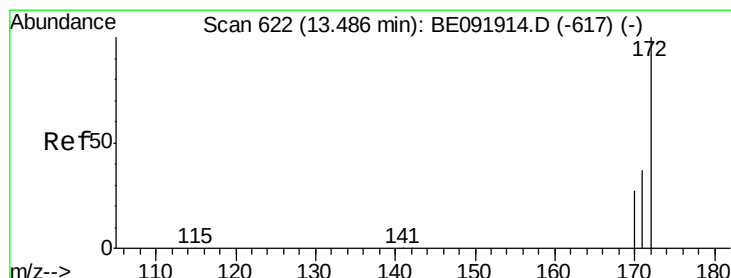
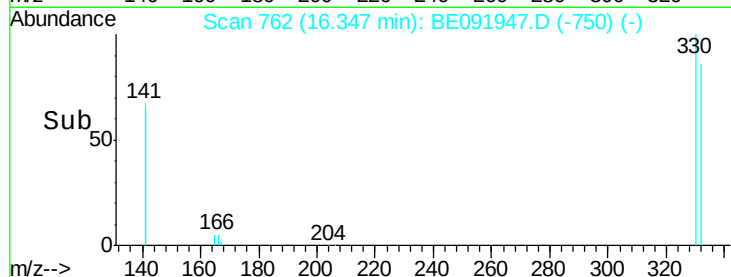
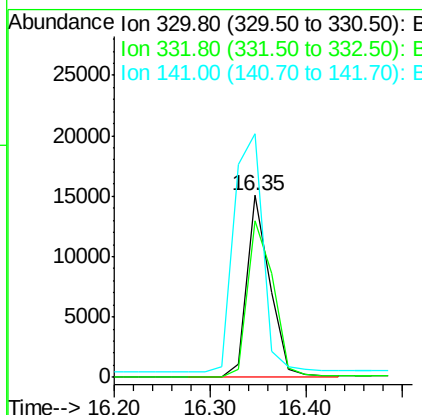
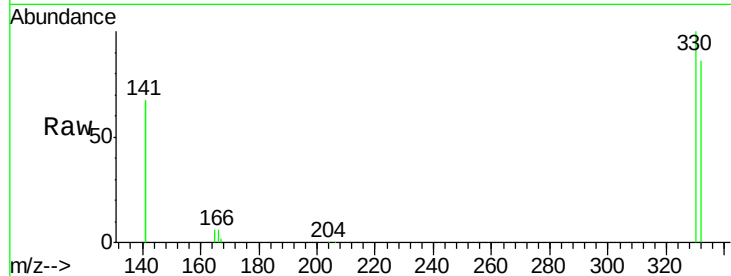




#16
 2,4,6-Tribromophenol
 Concen: 10.74 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE091947.D
 Acq: 24 Jun 2016 15:27

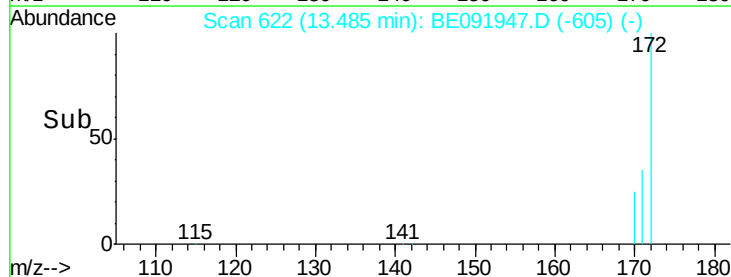
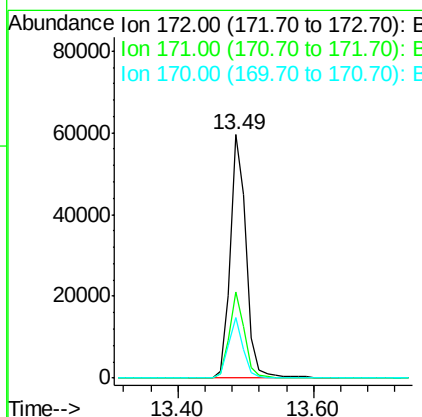
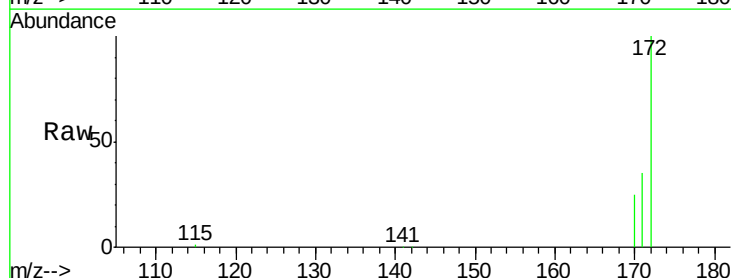
Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160621

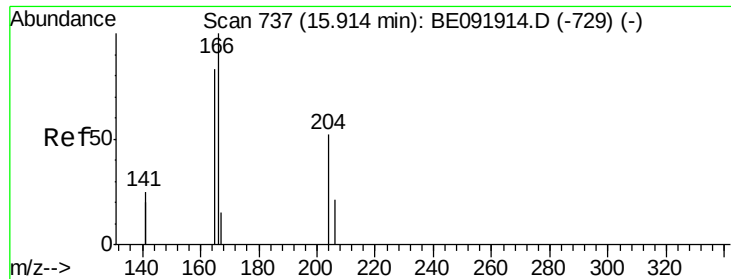
Tot Ion:330 Resp: 24881
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 167.5 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 4.35 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091947.D
 Acq: 24 Jun 2016 15:27

Tgt Ion:172 Resp: 98050
 Ion Ratio Lower Upper
 172 100
 171 35.4 24.3 36.5
 170 24.7 14.9 22.3#





#22

Fluorene

Concen: 0.04 ng

RT: 15.91 min Scan# 737

Delta R.T. 0.02 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160621

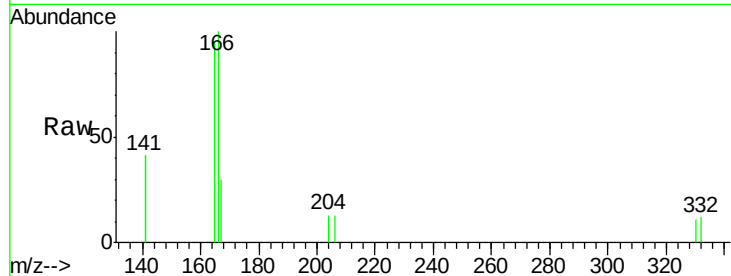
Tot Ion:166 Resp: 900

Ion Ratio Lower Upper

166 100

165 107.7 78.6 117.8

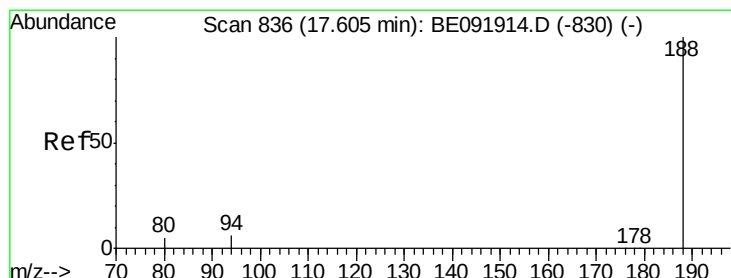
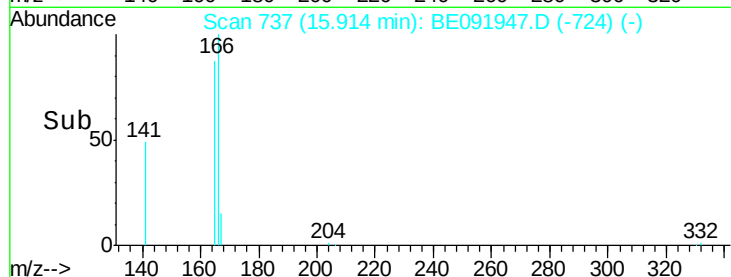
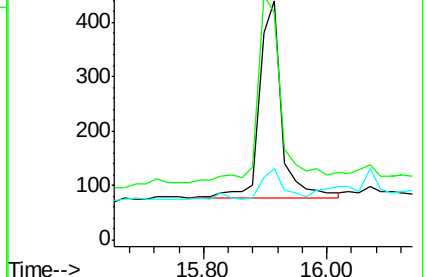
167 14.9 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.61 min Scan# 836

Delta R.T. 0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

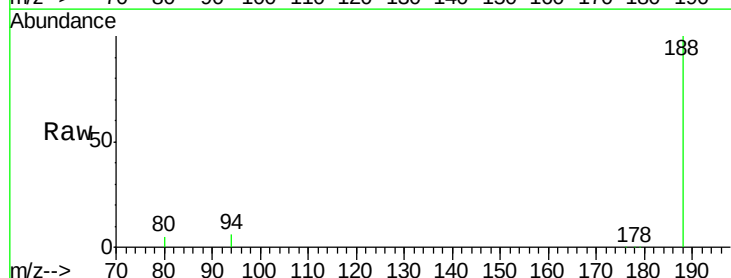
Tgt Ion:188 Resp: 168244

Ion Ratio Lower Upper

188 100

94 5.9 4.1 6.1

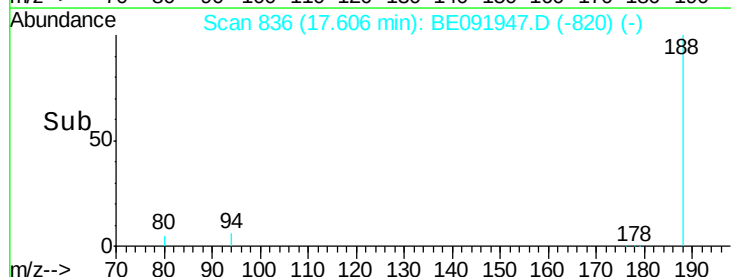
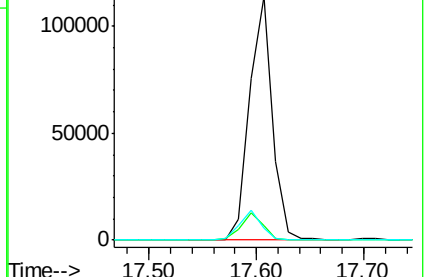
80 5.2 3.4 5.2#

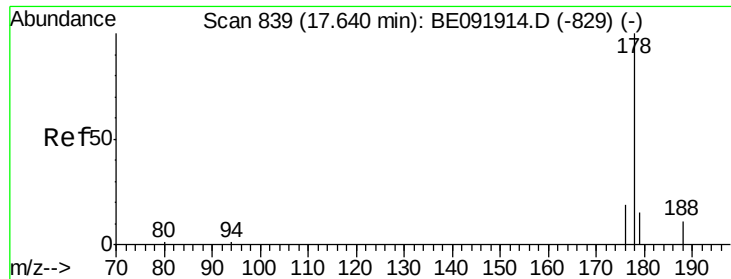


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

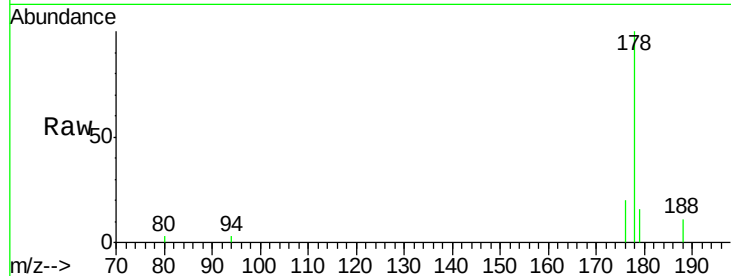




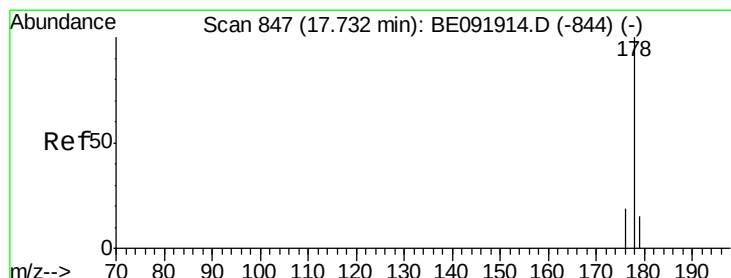
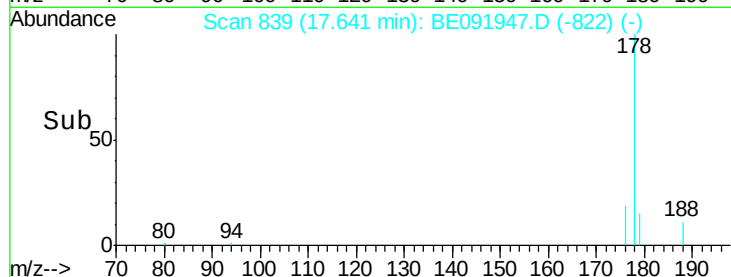
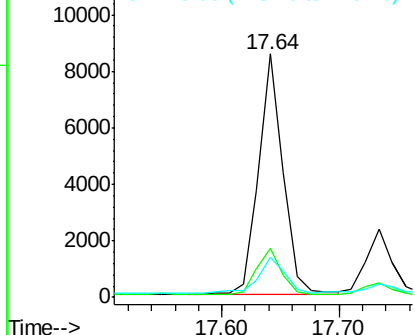
#28
Phenanthrene
Concen: 0.29 ng
RT: 17.64 min Scan# 839
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tot Ion:178 Resp: 12302
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 17.2 12.9 19.3

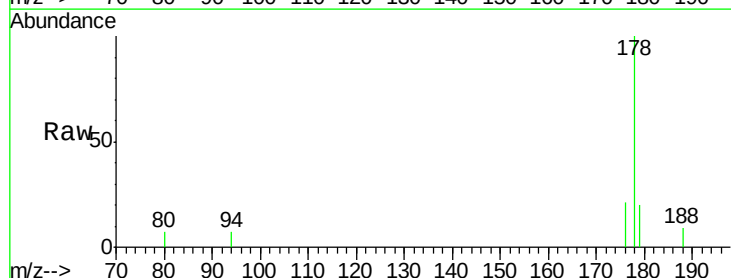


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

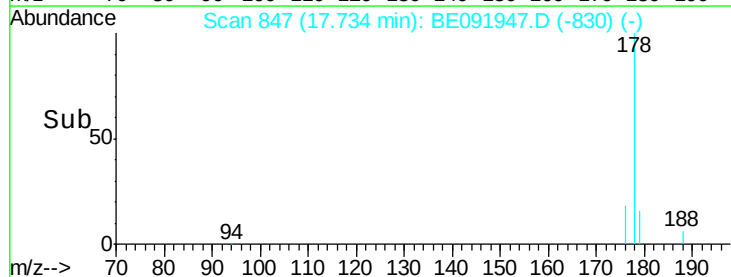
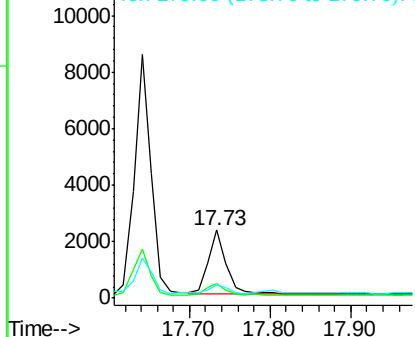


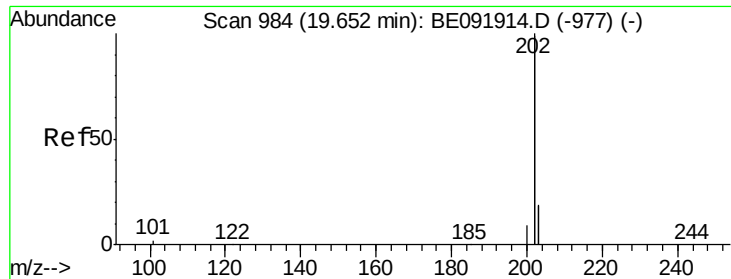
#29
Anthracene
Concen: 0.10 ng
RT: 17.73 min Scan# 847
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:178 Resp: 3624
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 14.7 12.1 18.1



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

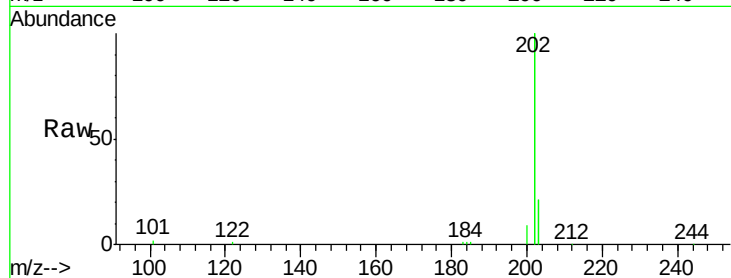




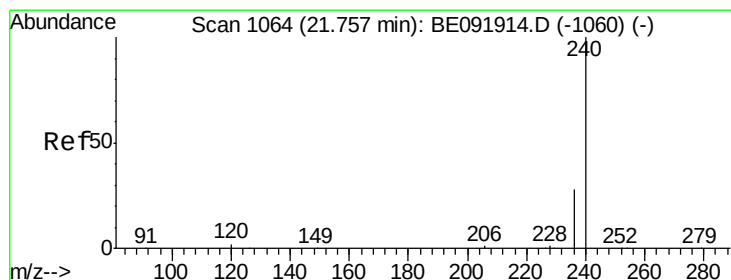
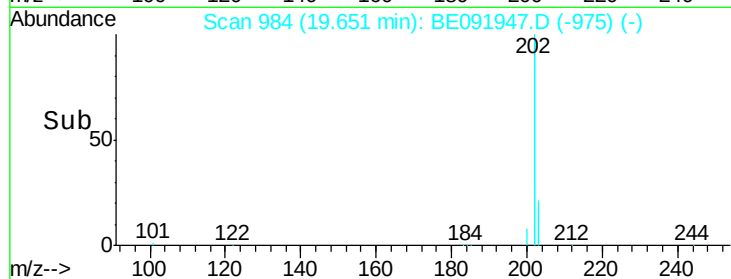
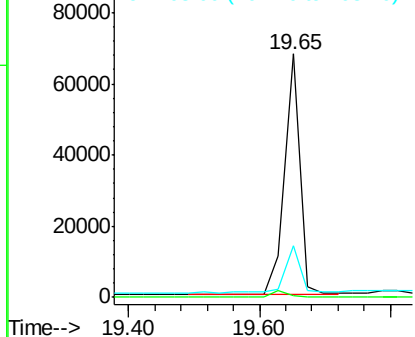
#30
Fluoranthene
Concen: 0.62 ng
RT: 19.65 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160621

Tot Ion:202 Resp: 111624
Ion Ratio Lower Upper
202 100
101 0.0 9.4 14.0#
203 18.7 14.3 21.5

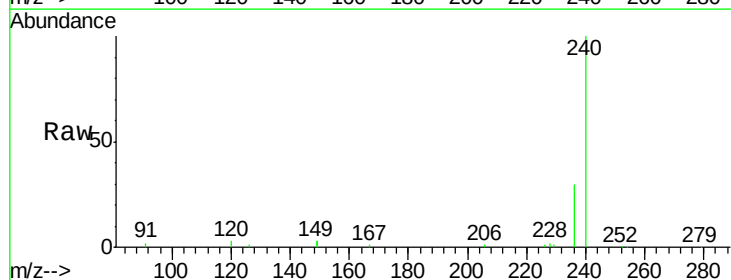


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

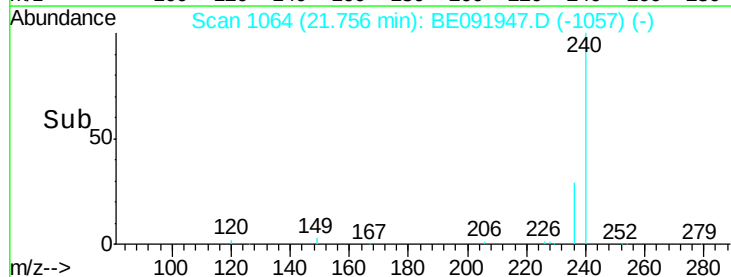
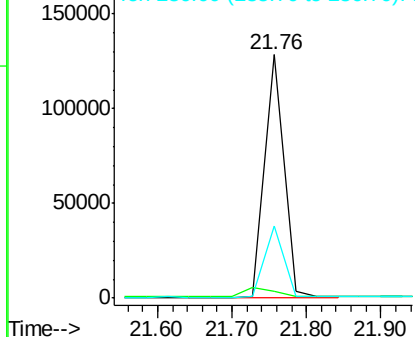


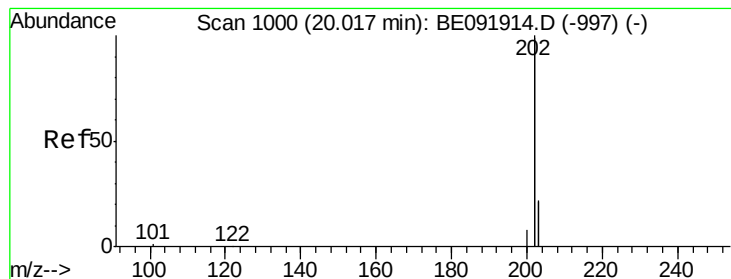
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091947.D
Acq: 24 Jun 2016 15:27

Tgt Ion:240 Resp: 227833
Ion Ratio Lower Upper
240 100
120 2.6 1.2 1.8#
236 29.7 19.8 29.8



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





#33

Pvrene

Concen: 0.57 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160621

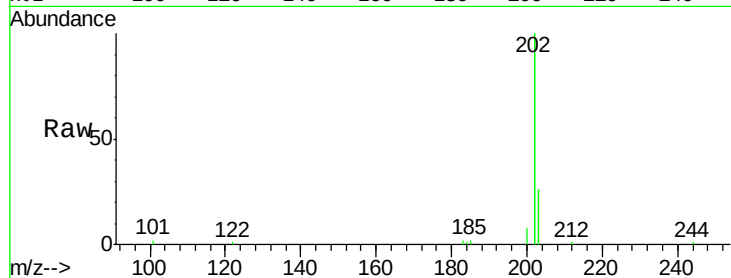
Tot Ion:202 Resp: 88185

Ion Ratio Lower Upper

202 100

200 5.2 16.9 25.3#

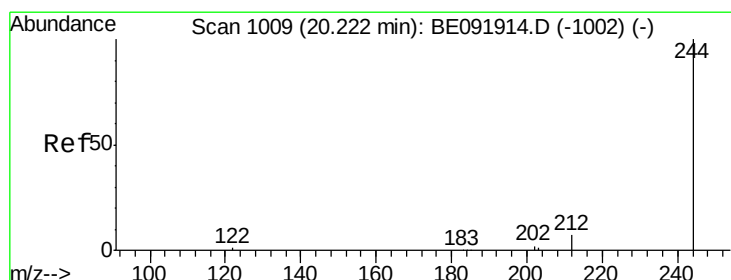
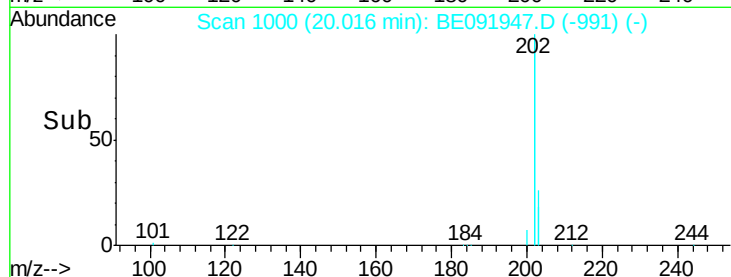
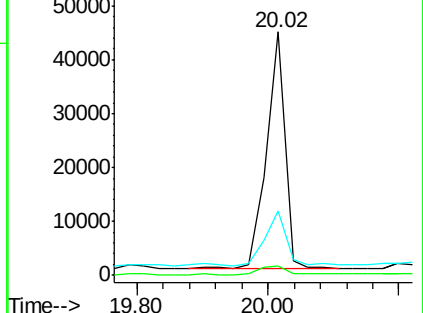
203 28.1 14.1 21.1#



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



#34

Terphenyl-d14

Concen: 6.08 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

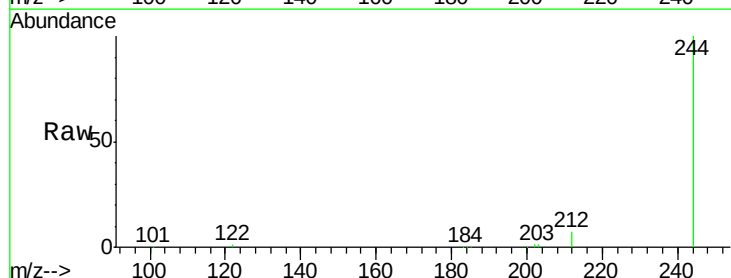
Tgt Ion:244 Resp: 169517

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

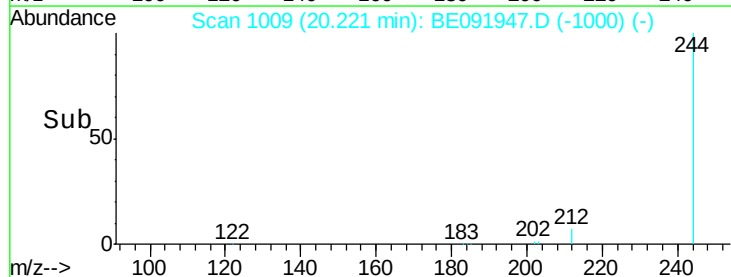
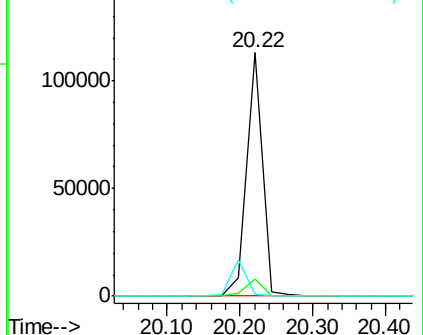
122 0.8 2.9 4.3#

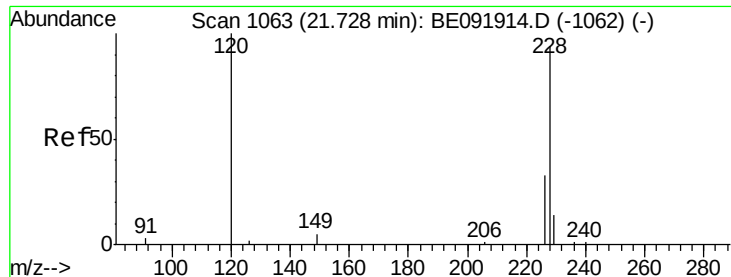


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.32 ng m

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160621

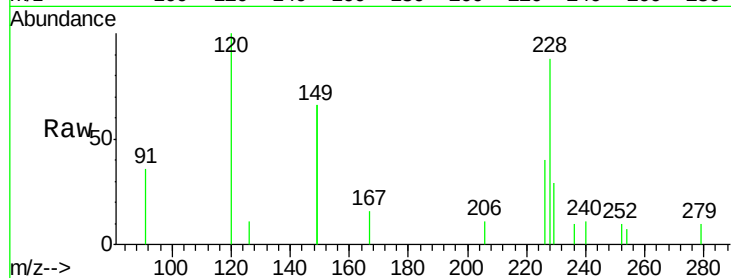
Tot Ion:228 Resp: 11596

Ion Ratio Lower Upper

228 100

226 44.8 21.0 31.4#

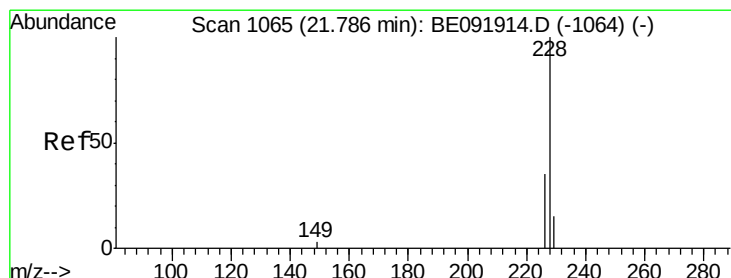
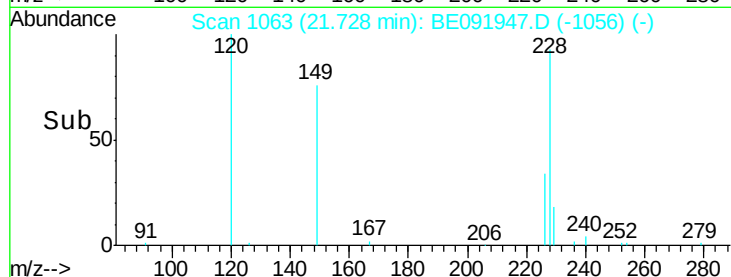
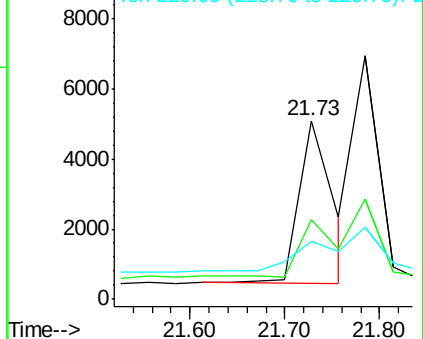
229 32.7 15.8 23.8#



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



#37

Chrysene

Concen: 0.24 ng m

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

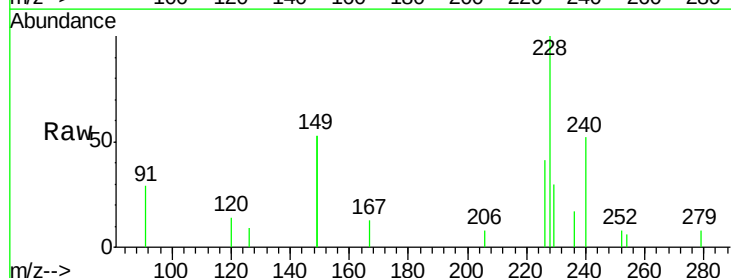
Tgt Ion:228 Resp: 12550

Ion Ratio Lower Upper

228 100

226 41.0 27.0 40.6#

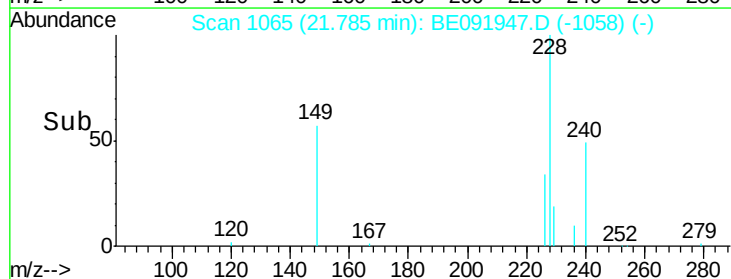
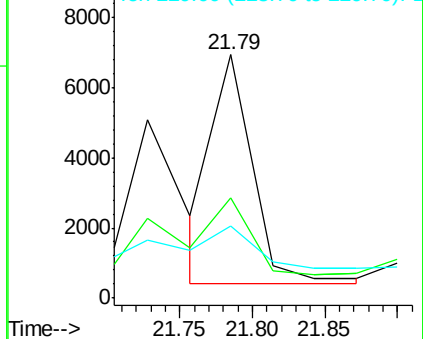
229 29.5 13.8 20.8#

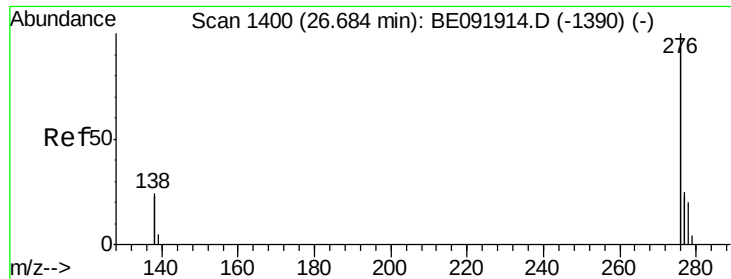


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

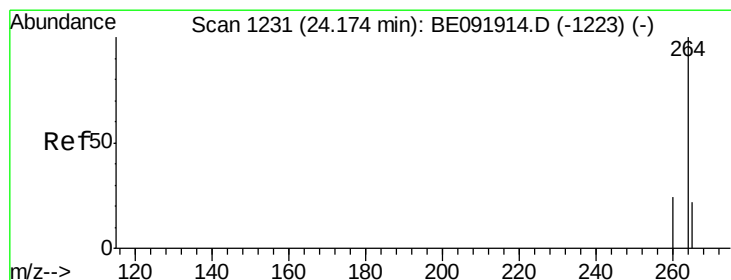
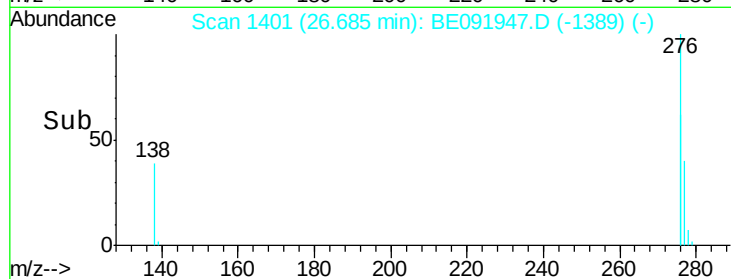
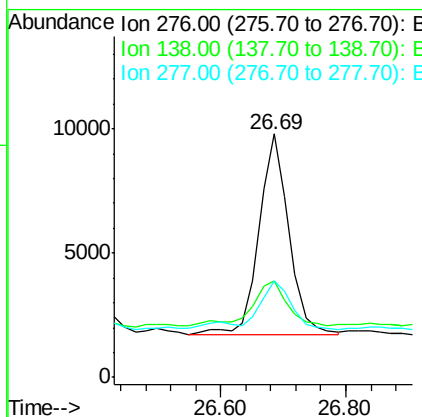
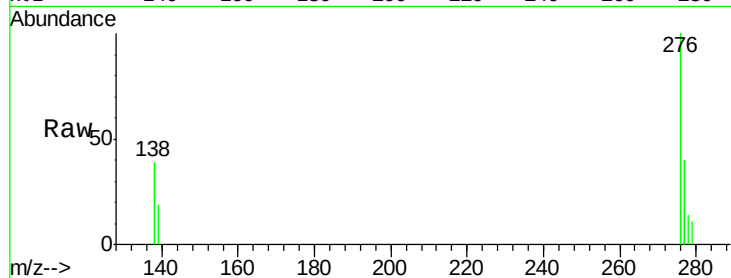




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.15 ng
 RT: 26.69 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: BE091947.D
 Acq: 24 Jun 2016 15:27

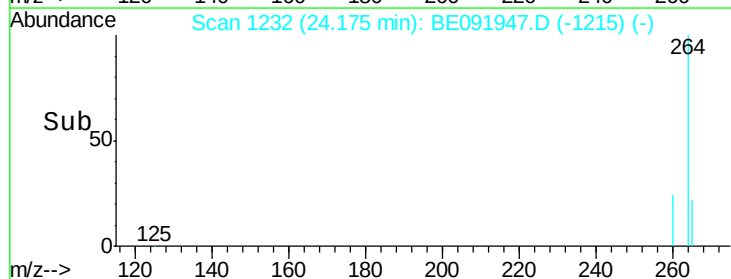
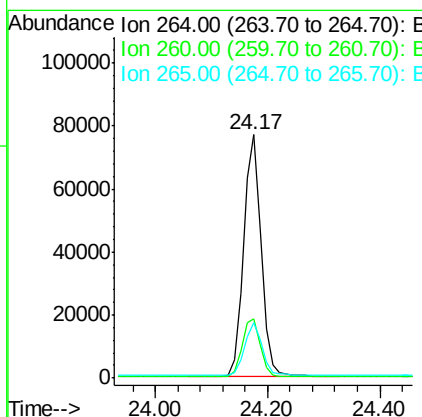
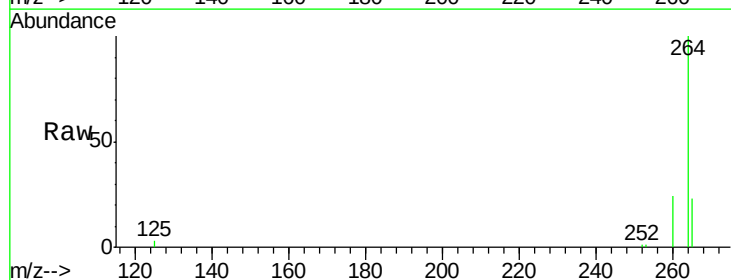
Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160621

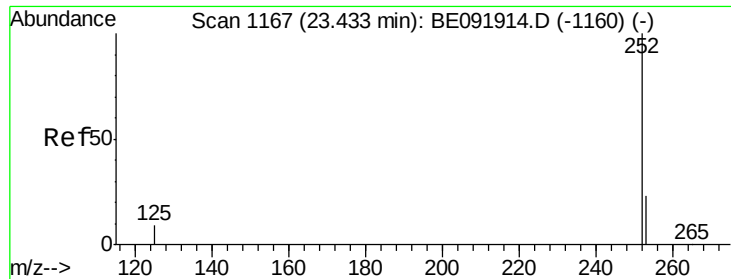
Tot Ion:276 Resp: 26845
 Ion Ratio Lower Upper
 276 100
 138 26.5 19.7 29.5
 277 24.6 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091947.D
 Acq: 24 Jun 2016 15:27

Tgt Ion:264 Resp: 168884
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.3 30.5
 265 22.9 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.32 ng m

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160621

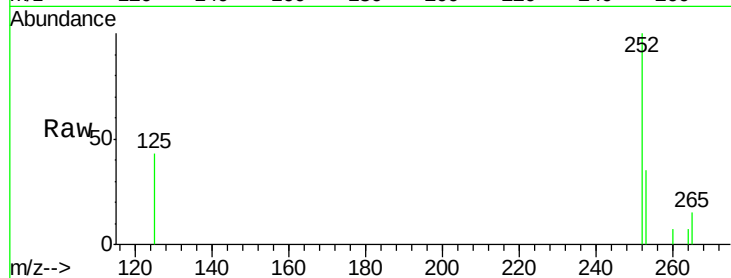
Tot Ion:252 Resp: 13684

Ion Ratio Lower Upper

252 100

253 34.5 17.8 26.6#

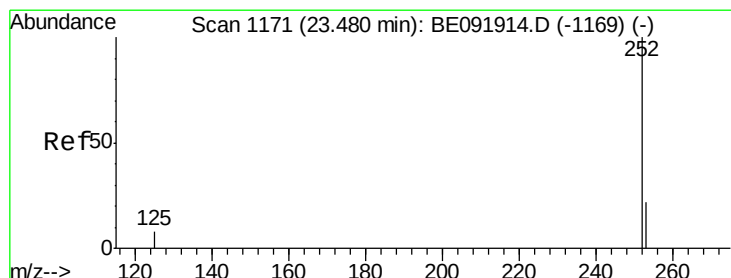
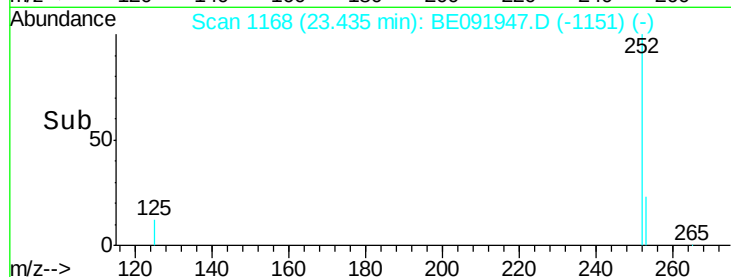
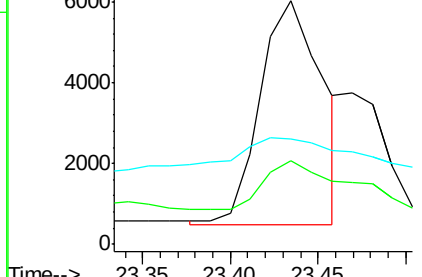
125 43.2 9.4 14.2#



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



#42

Benzo(k)fluoranthene

Concen: 0.14 ng m

RT: 23.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

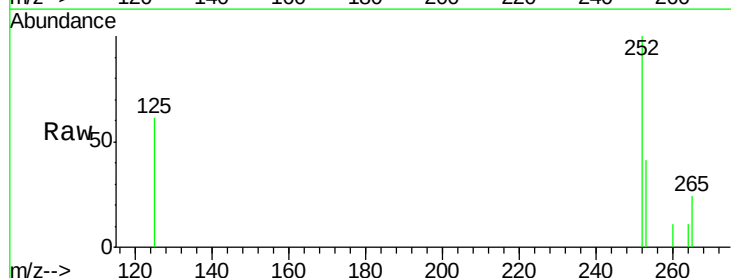
Tgt Ion:252 Resp: 5727

Ion Ratio Lower Upper

252 100

253 41.0 19.4 29.2#

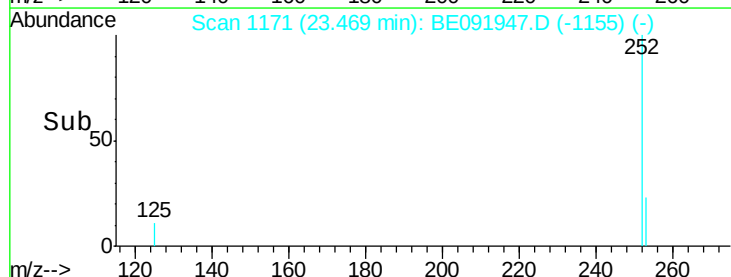
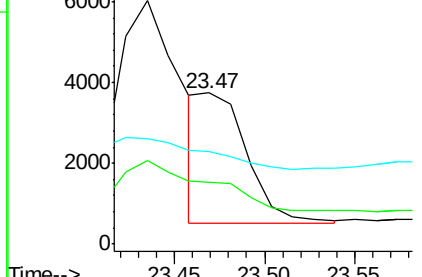
125 61.1 8.3 12.5#

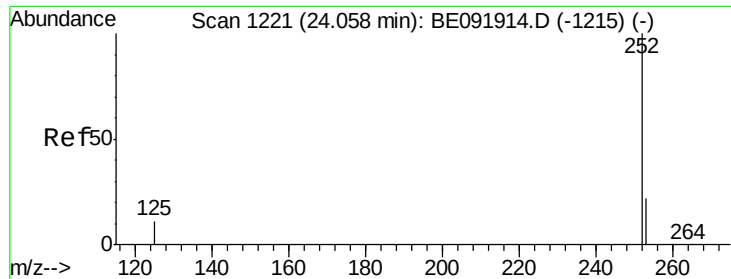


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.27 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160621

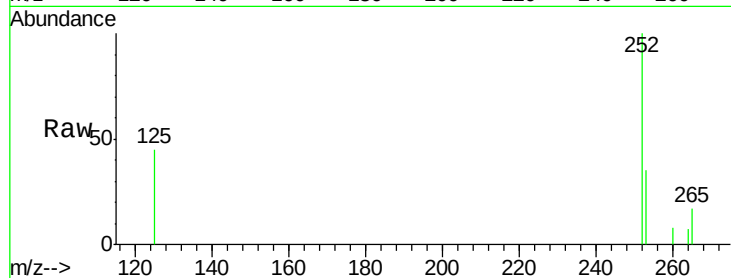
Tot Ion:252 Resp: 10382

Ion Ratio Lower Upper

252 100

253 35.5 18.9 28.3#

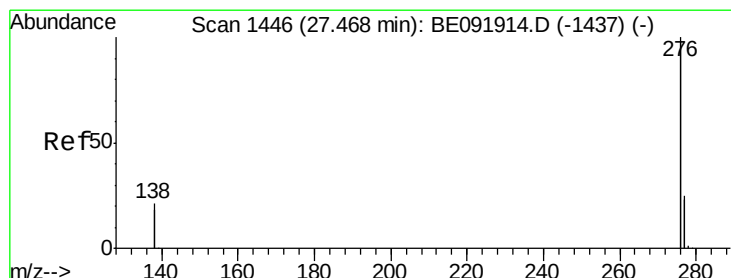
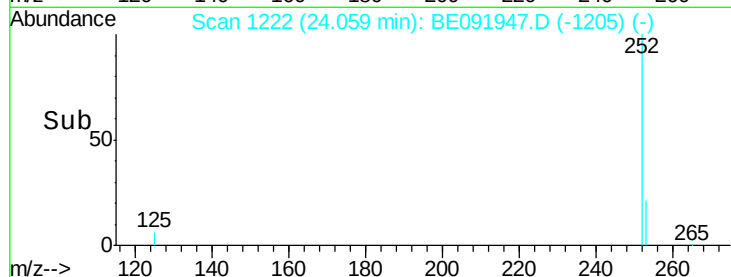
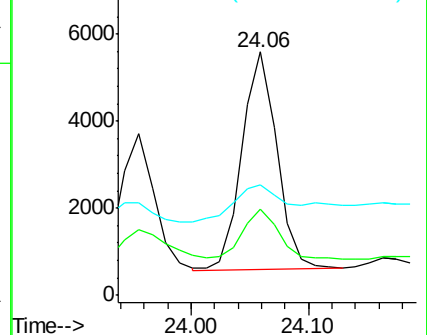
125 45.4 10.5 15.7#



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



#45

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 27.47 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BE091947.D

Acq: 24 Jun 2016 15:27

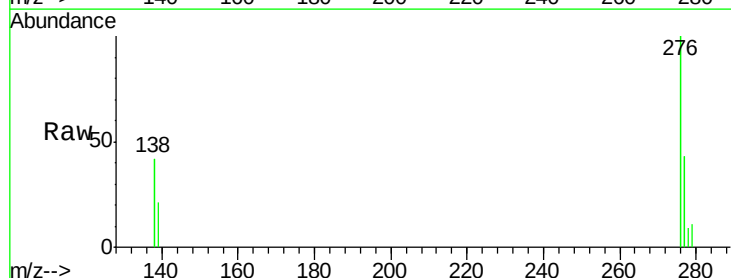
Tgt Ion:276 Resp: 24781

Ion Ratio Lower Upper

276 100

277 43.2 19.5 29.3#

138 41.8 17.7 26.5#



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

