

Data Path : Z:\HPCHEM1\BNA_E\Data\BE051916\
 Data File : BE091838.D
 Acq On : 20 May 2016 15:27
 Operator : UM/SJ
 Sample : H3153-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160517

Quant Time: May 20 17:19:24 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	32103	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	165040	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	101506	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	268380	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	252237	5.00	ng	-0.02
35) Perylene-d12	23.74	264	256650	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	18682	2.23	ng	0.00
5) Phenol-d6	6.97	99	16671	1.41	ng	0.02
8) Nitrobenzene-d5	8.95	82	31864	2.91	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	26173	6.64	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	85469	2.98	ng	0.00
29) Terphenyl-d14	19.74	244	160572	4.50	ng	-0.02

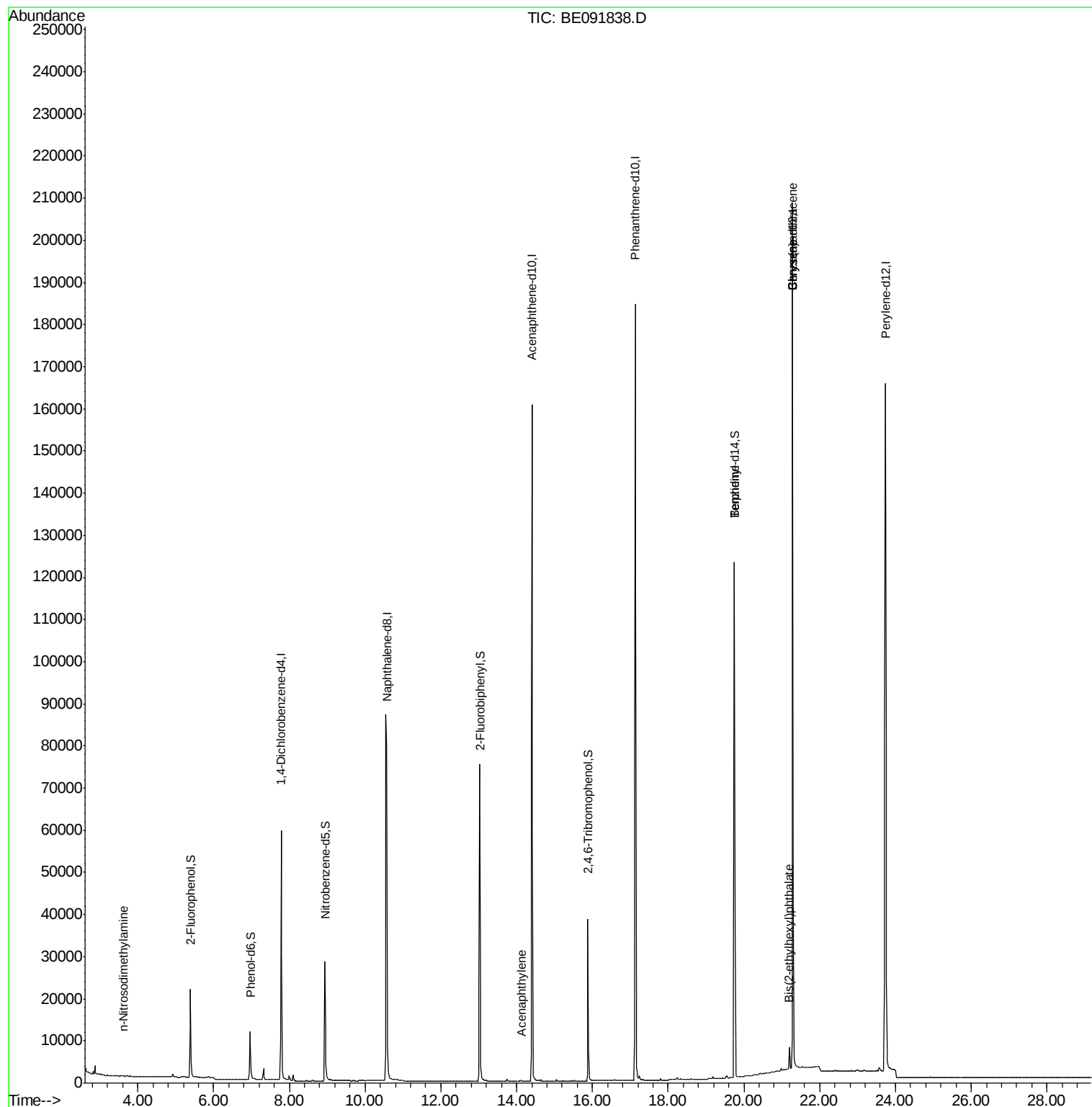
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	109	Below Cal	#	45
3) n-Nitrosodimethylamine	3.61	42	108	0.02 ng	#	2
16) Acenaphthylene	14.12	152	1046	0.02 ng	#	72
23) Phenanthrene	17.18	178	2435	Below Cal	#	74
27) Benzidine	19.74	184	2620	0.16 ng	#	98
30) Benzo(a)anthracene	21.29	228	1350	0.02 ng	#	51
32) Chrysene	21.29	228	1317	0.07 ng	#	58
33) Bis(2-ethylhexyl)phthalate	21.20	149	6059	0.41 ng	#	79

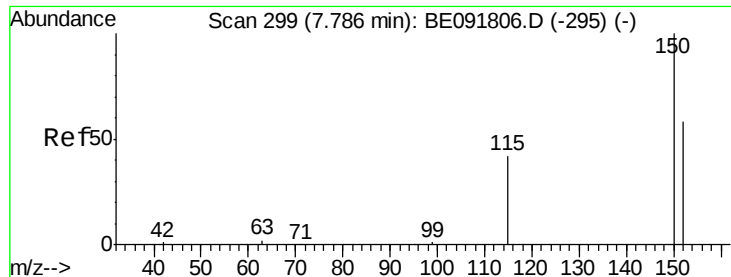
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 17:19:24 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160517

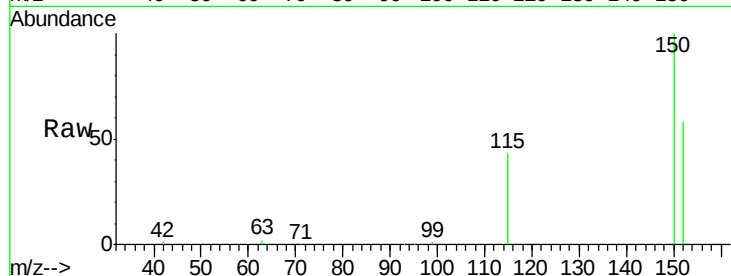
Tgt Ion:152 Resp: 32103

Ion Ratio Lower Upper

152 100

150 171.8 122.6 183.8

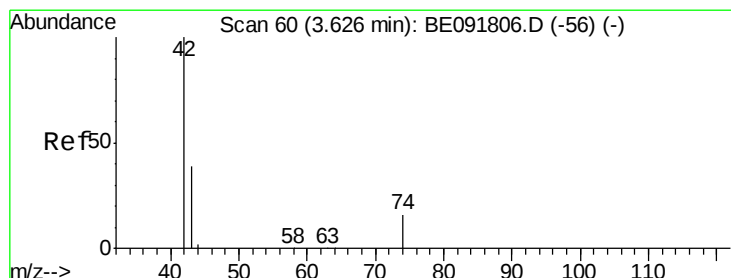
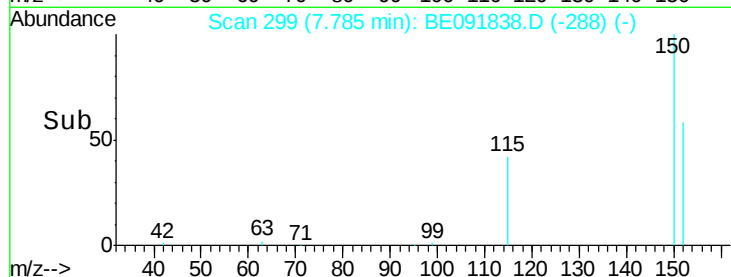
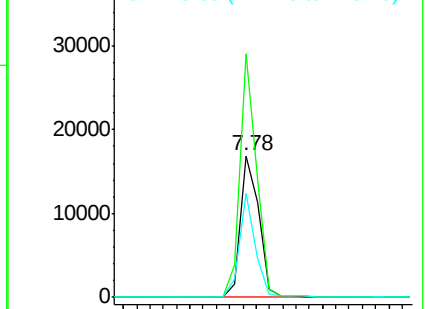
115 73.2 52.8 79.2



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



#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.02 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

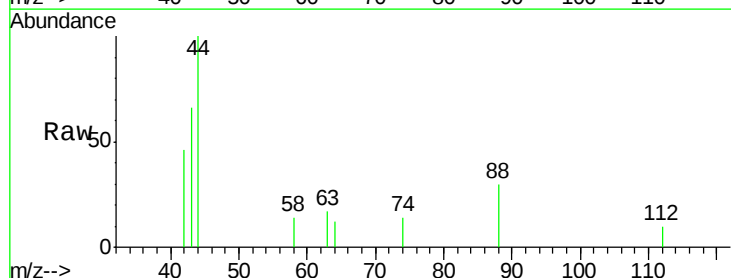
Tgt Ion: 42 Resp: 108

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

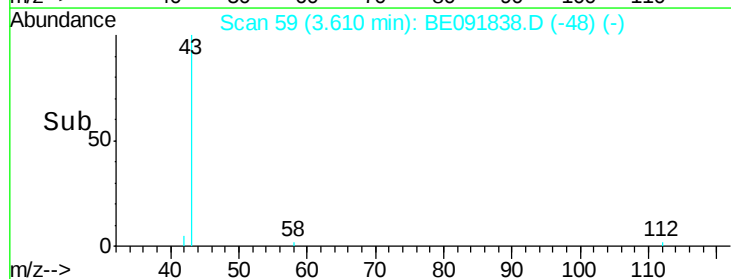
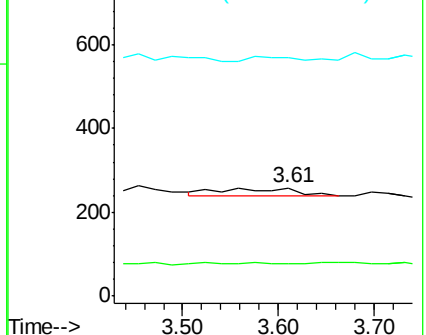
44 0.0 6.6 9.8#

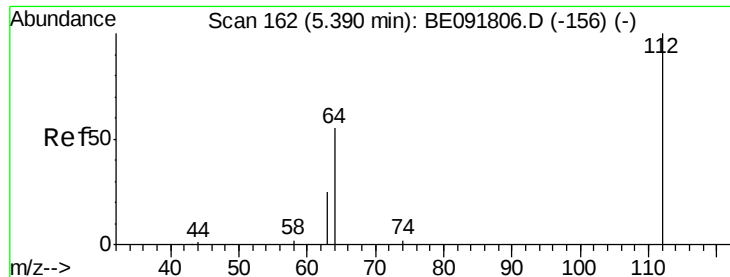


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 2.23 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160517

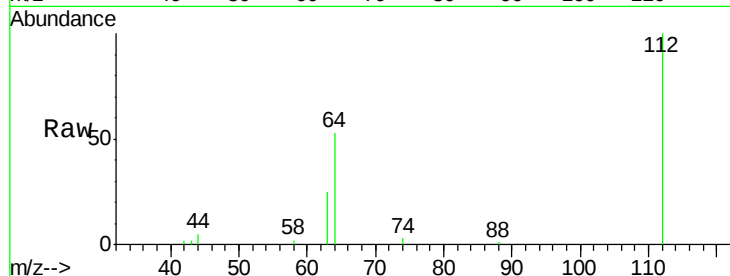
Tgt Ion: 112 Resp: 18682

Ion Ratio Lower Upper

112 100

64 67.7 30.9 46.3#

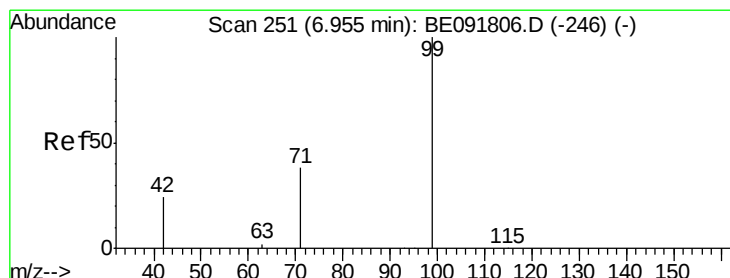
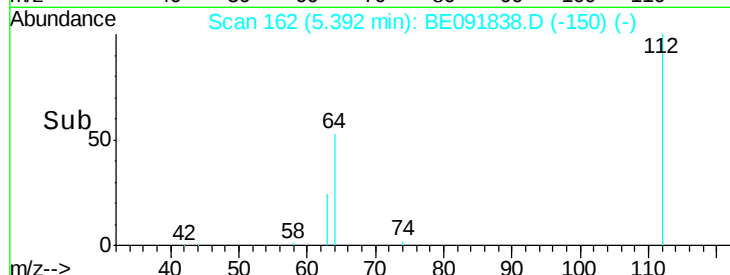
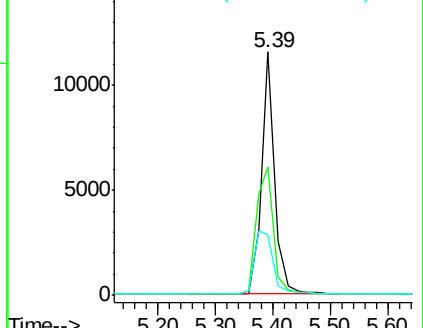
63 36.0 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.41 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.02 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

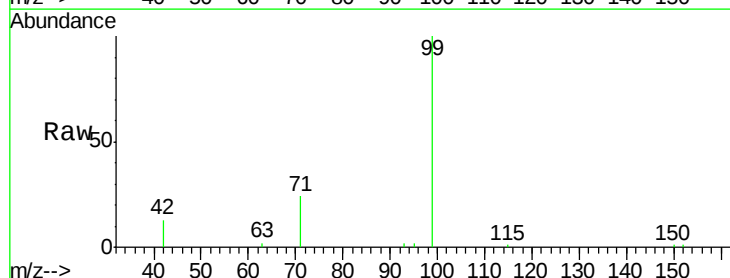
Tgt Ion: 99 Resp: 16671

Ion Ratio Lower Upper

99 100

42 23.1 16.2 24.2

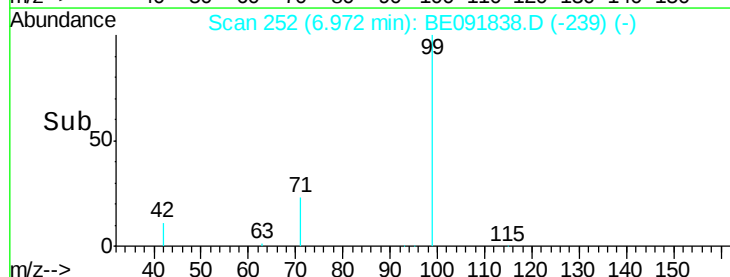
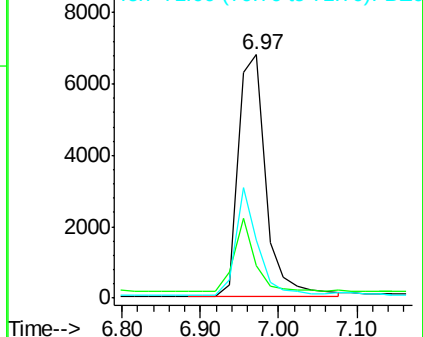
71 35.8 29.0 43.4

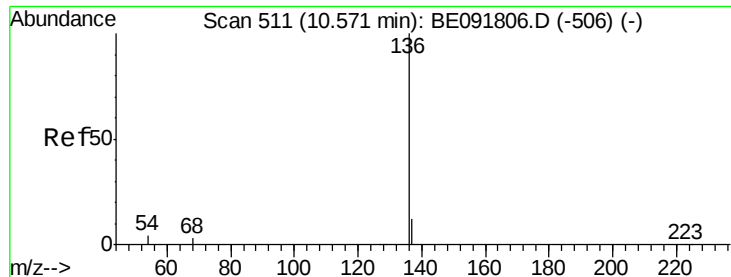


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160517

Tgt Ion:136 Resp: 165040

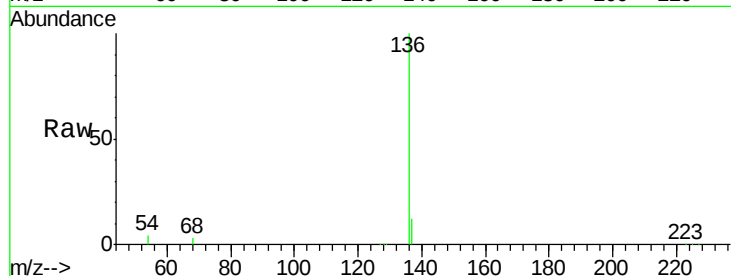
Ion Ratio Lower Upper

136 100

137 12.1 8.9 13.3

54 4.1 8.2 12.4#

68 3.5 6.2 9.4#

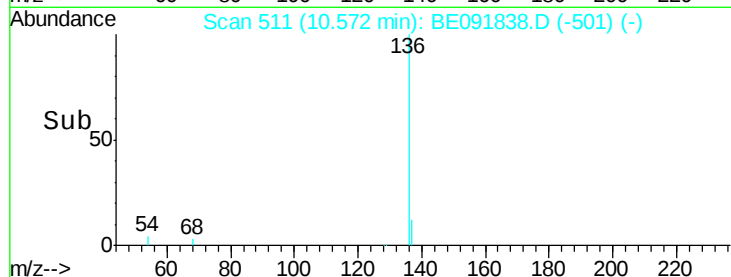


Abundance Ion 136.00 (135.70 to 136.70): E

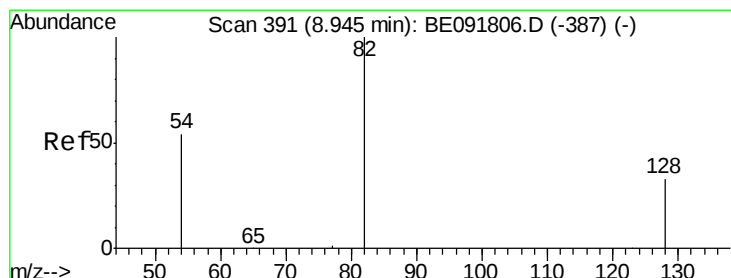
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 2.91 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

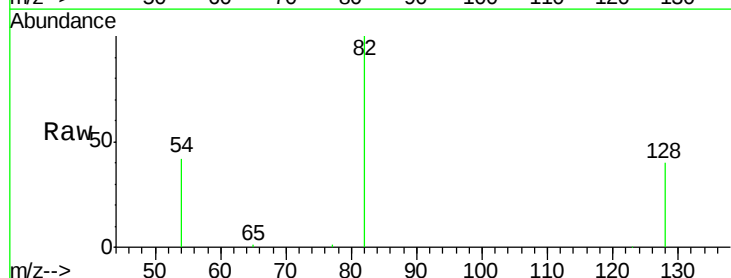
Tgt Ion: 82 Resp: 31864

Ion Ratio Lower Upper

82 100

128 40.2 25.4 38.0#

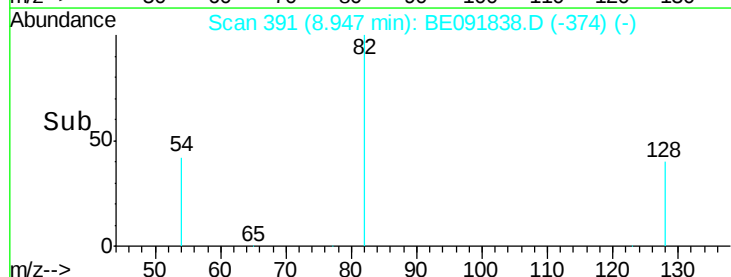
54 42.2 48.4 72.6#



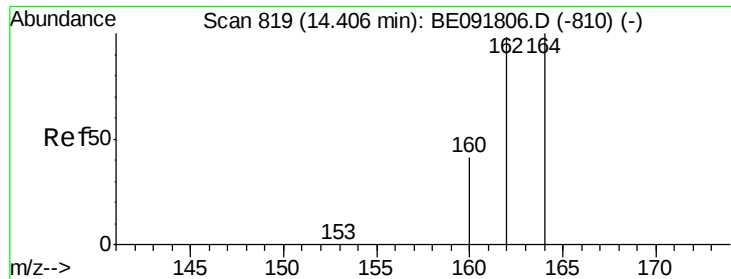
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160517

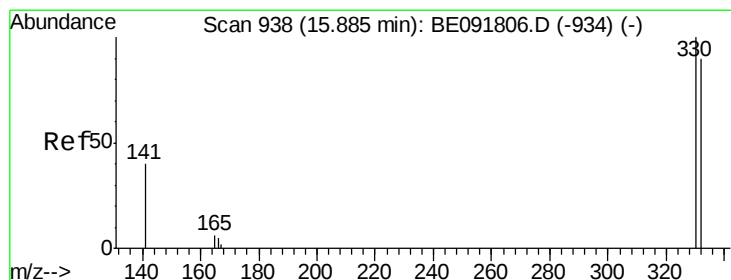
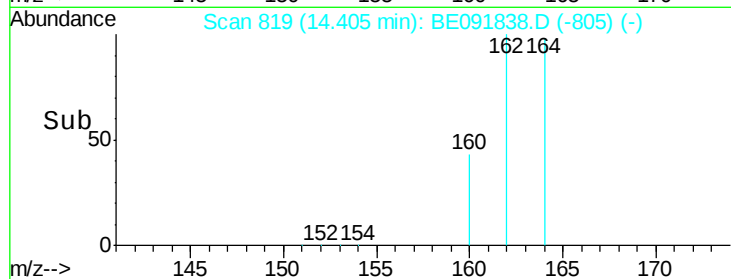
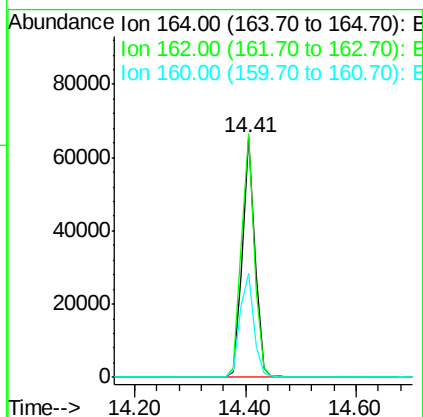
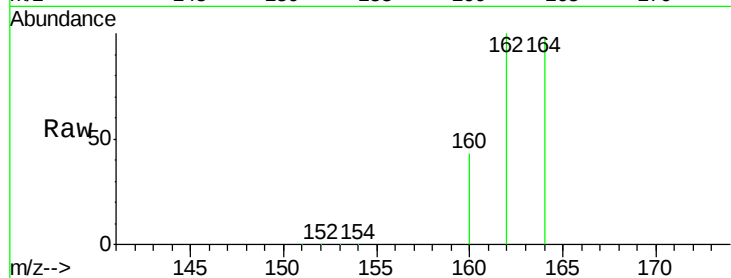
Tgt Ion:164 Resp: 101506

Ion Ratio Lower Upper

164 100

162 101.6 85.3 127.9

160 43.6 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 6.64 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

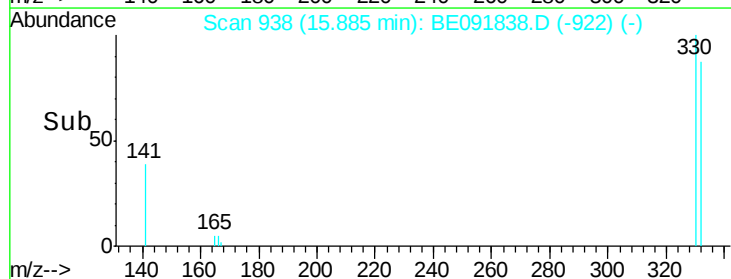
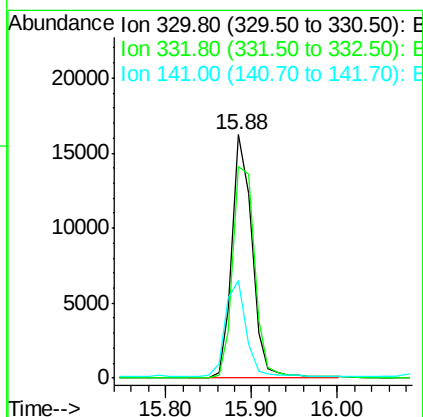
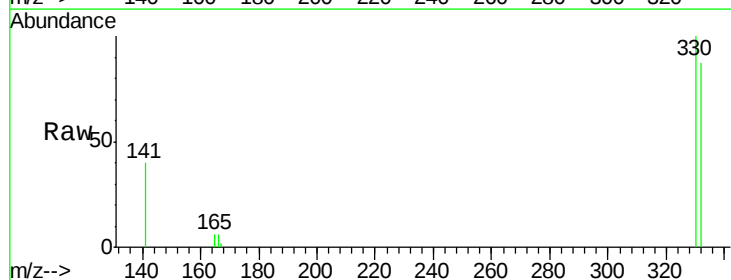
Tgt Ion:330 Resp: 26173

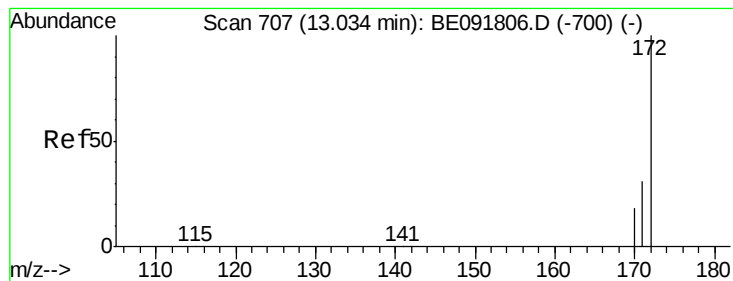
Ion Ratio Lower Upper

330 100

332 96.1 79.1 118.7

141 41.5 125.4 188.0#





#15

2-Fluorobiphenyl

Concen: 2.98 ng

RT: 13.03 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160517

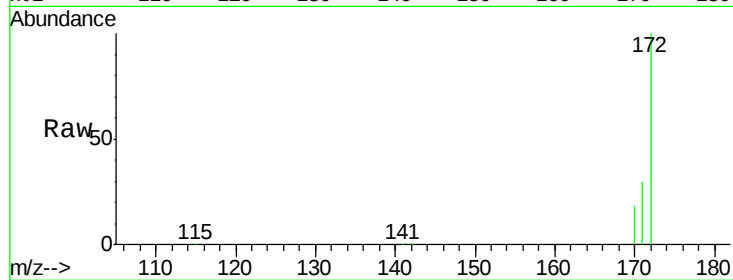
Tgt Ion:172 Resp: 85469

Ion Ratio Lower Upper

172 100

171 30.1 28.8 43.2

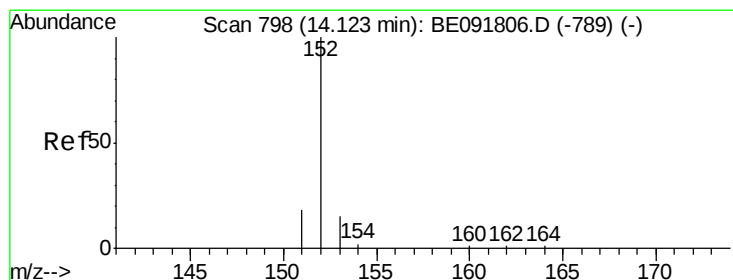
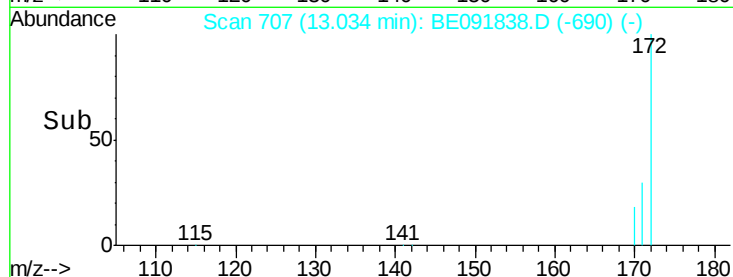
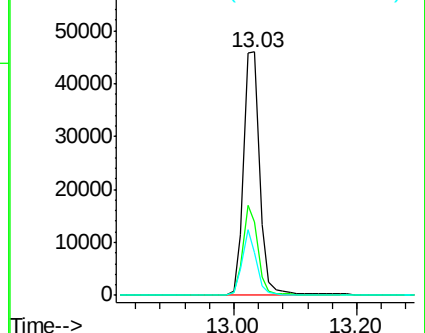
170 17.7 19.3 28.9#



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



#16

Acenaphthylene

Concen: 0.02 ng

RT: 14.12 min Scan# 798

Delta R.T. -0.00 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

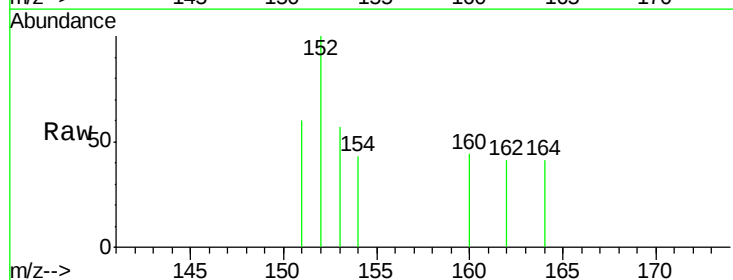
Tgt Ion:152 Resp: 1046

Ion Ratio Lower Upper

152 100

151 0.0 3.9 5.9#

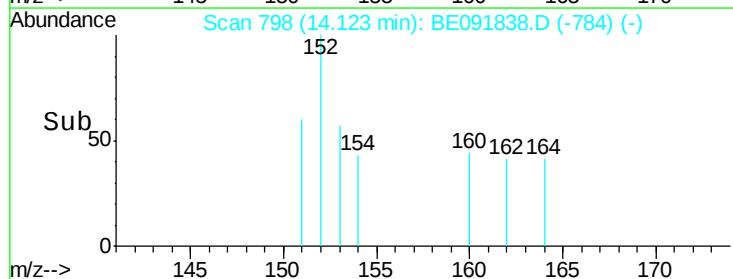
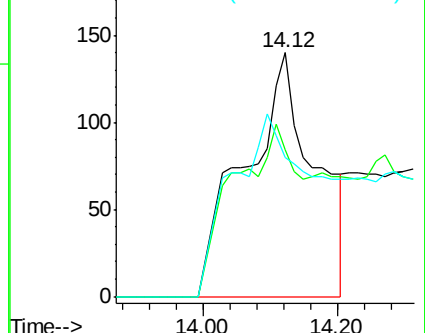
153 0.0 10.3 15.5#

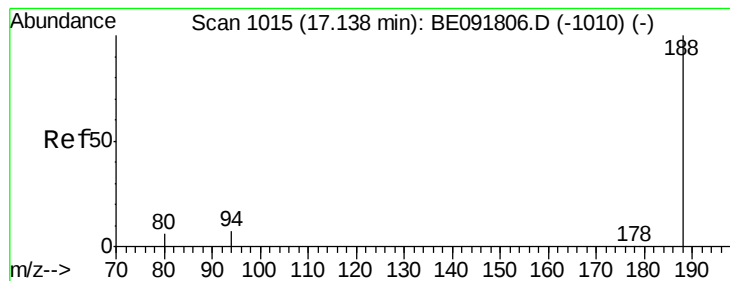


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

Instrument :

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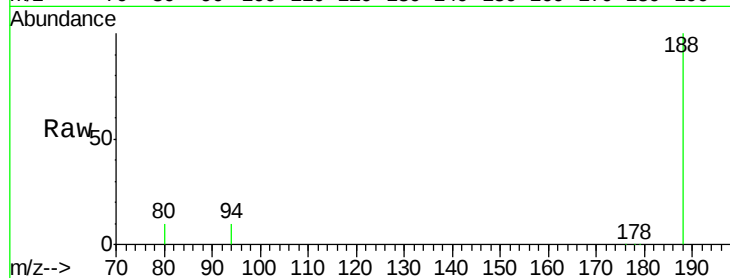
Tgt Ion:188 Resp: 268380

Ion Ratio Lower Upper

188 100

94 10.1 8.7 13.1

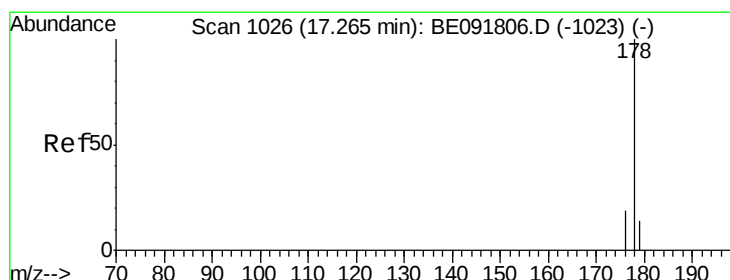
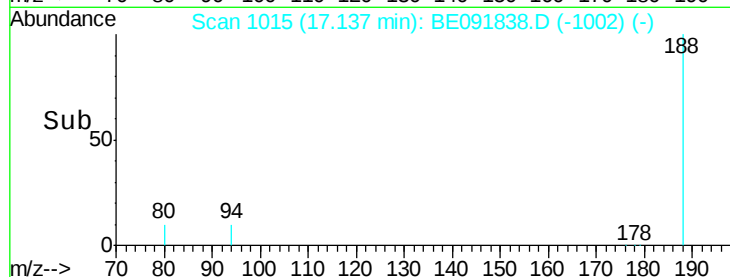
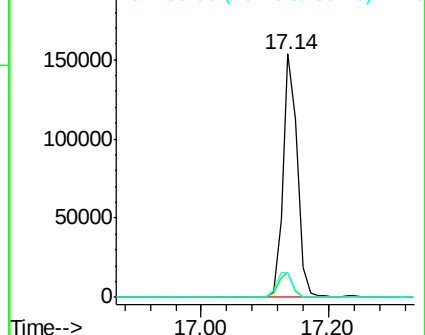
80 9.9 9.4 14.0



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



#23

Phenanthrene

Concen: Below Cal

RT: 17.18 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

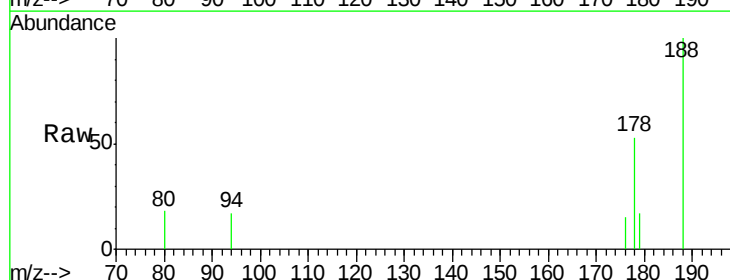
Tgt Ion:178 Resp: 2435

Ion Ratio Lower Upper

178 100

176 11.2 15.3 22.9#

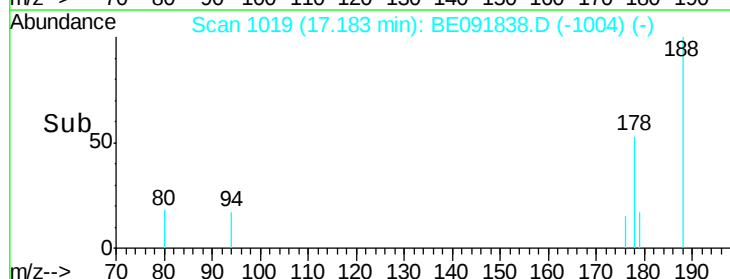
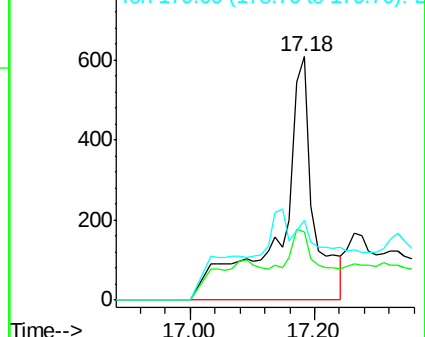
179 0.0 12.6 18.8#

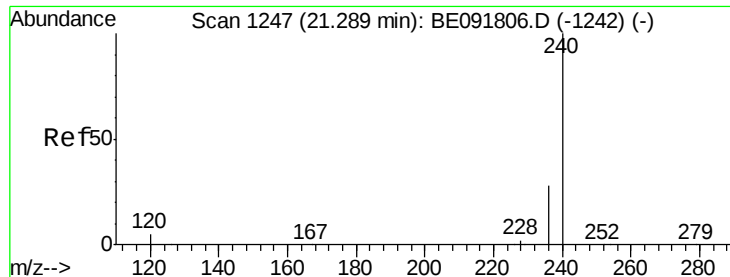


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

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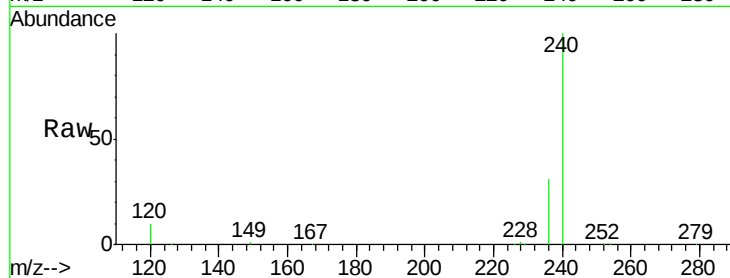
Tgt Ion:240 Resp: 252237

Ion Ratio Lower Upper

240 100

120 10.1 11.0 16.4#

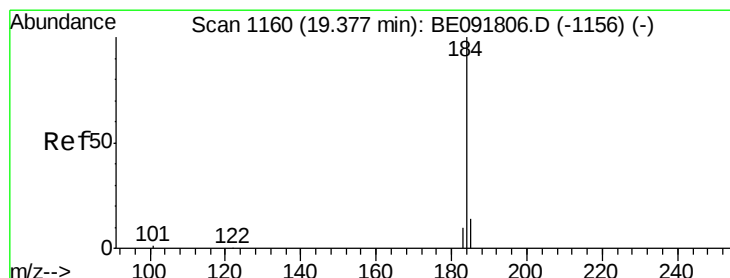
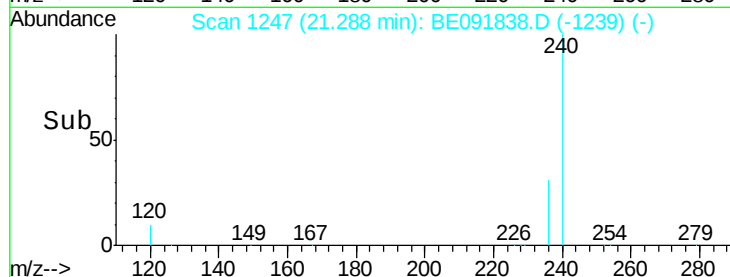
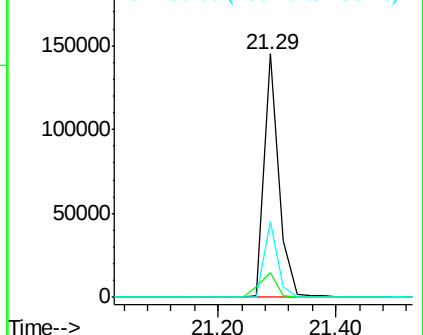
236 31.2 21.7 32.5



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



#27

Benzidine

Concen: 0.16 ng

RT: 19.74 min Scan# 1179

Delta R.T. 0.37 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

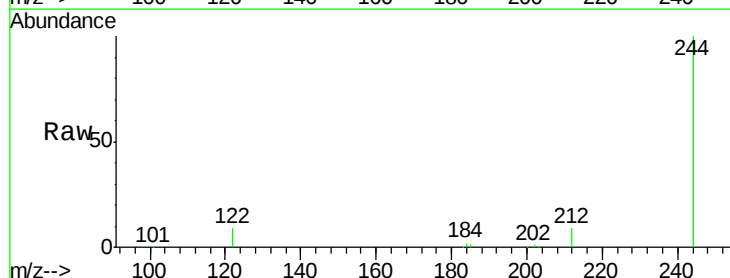
Tgt Ion:184 Resp: 2620

Ion Ratio Lower Upper

184 100

185 29.6 22.3 33.5

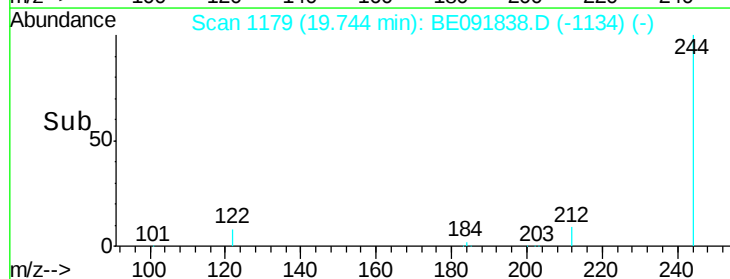
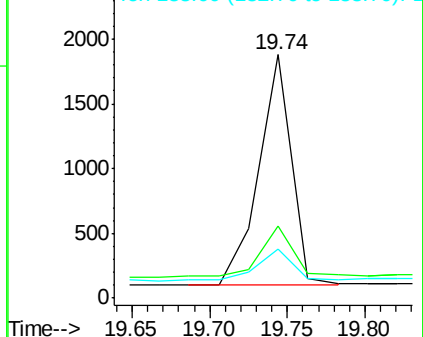
183 20.0 16.4 24.6

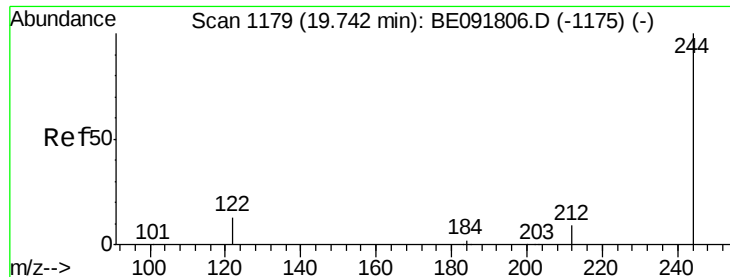


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#29

Terphenyl-d14

Concen: 4.50 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160517

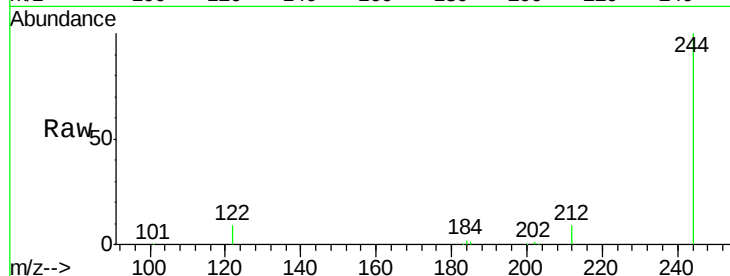
Tgt Ion:244 Resp: 160572

Ion Ratio Lower Upper

244 100

212 9.4 6.9 10.3

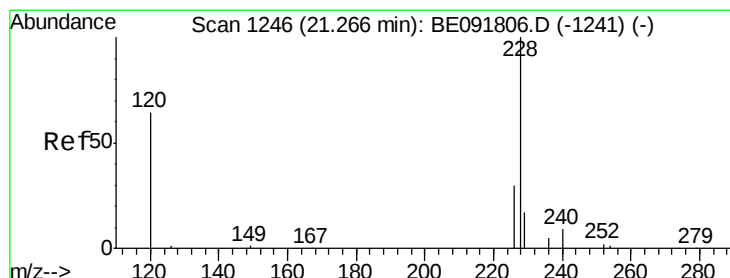
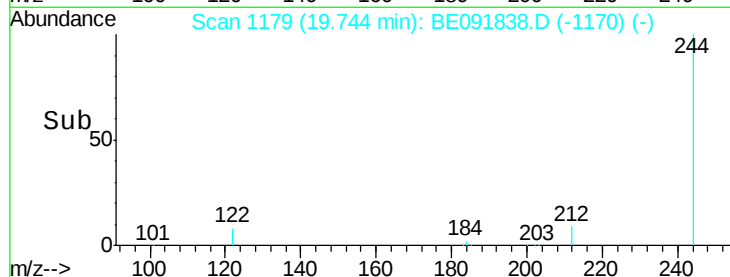
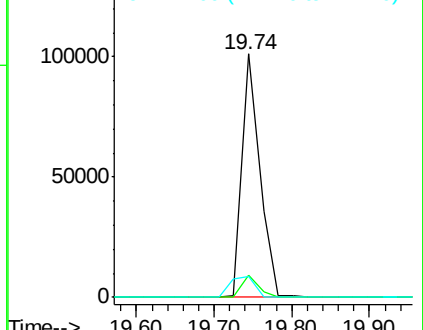
122 8.6 11.0 16.4#



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



#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

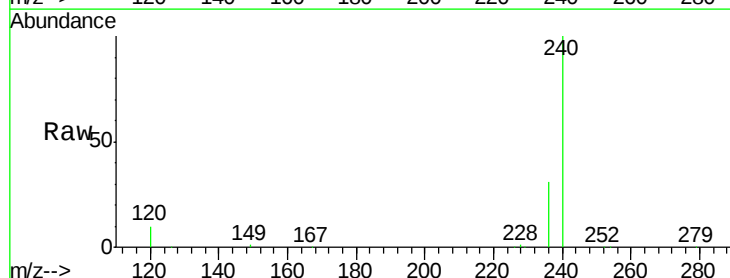
Tgt Ion:228 Resp: 1350

Ion Ratio Lower Upper

228 100

226 40.2 21.0 31.4#

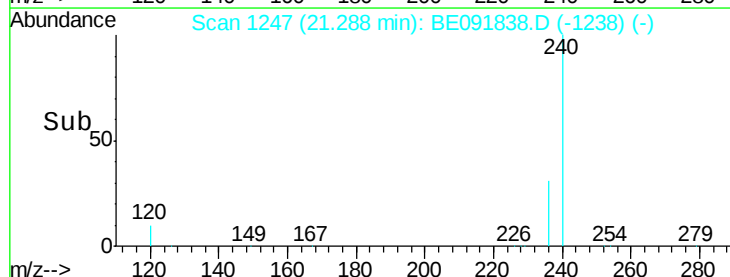
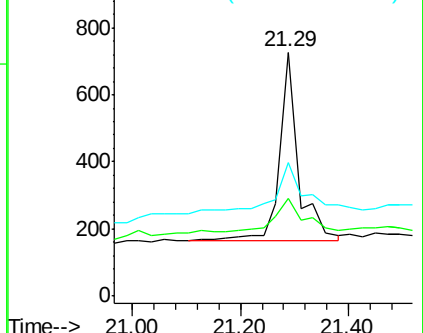
229 55.0 15.7 23.5#

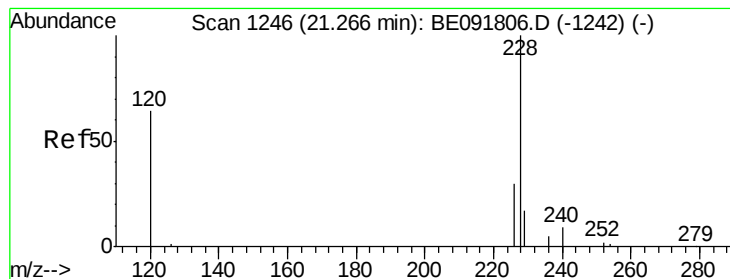


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Chrysene

Concen: 0.07 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160517

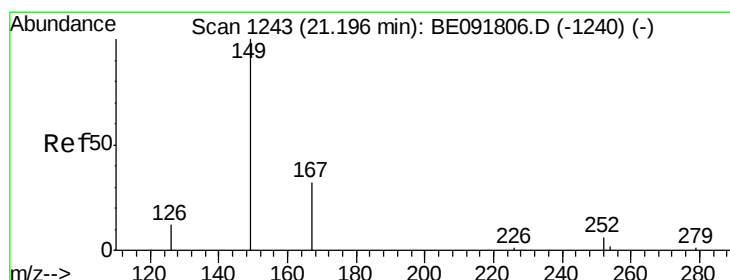
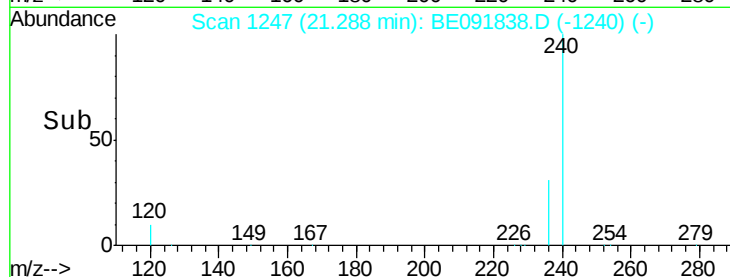
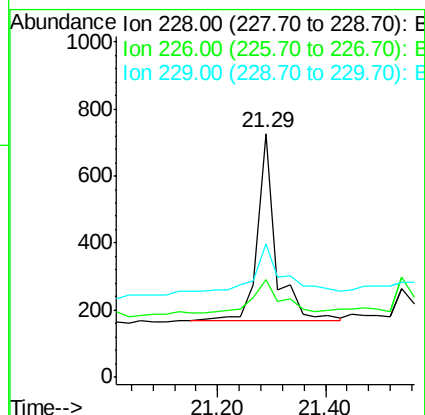
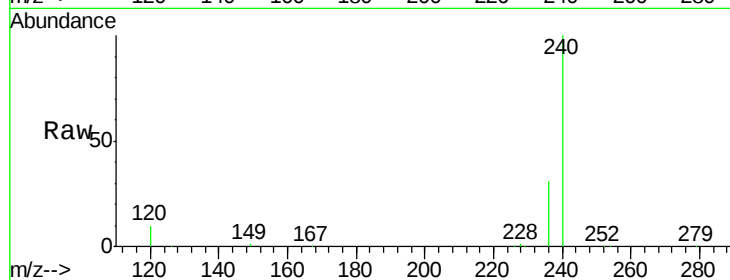
Tgt Ion: 228 Resp: 1317

Ion Ratio Lower Upper

228 100

226 40.2 24.0 36.0#

229 55.0 15.9 23.9#



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.41 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

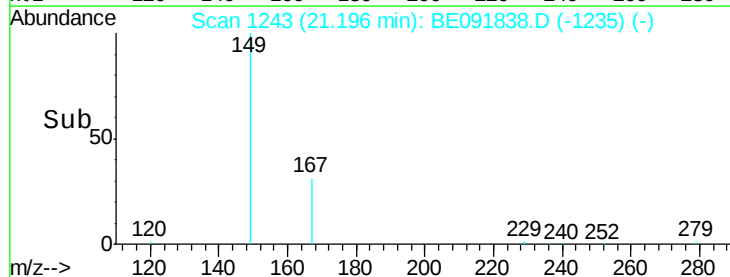
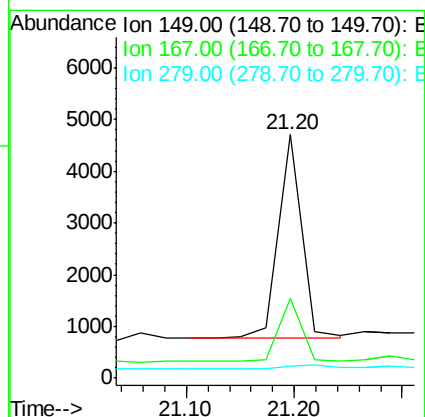
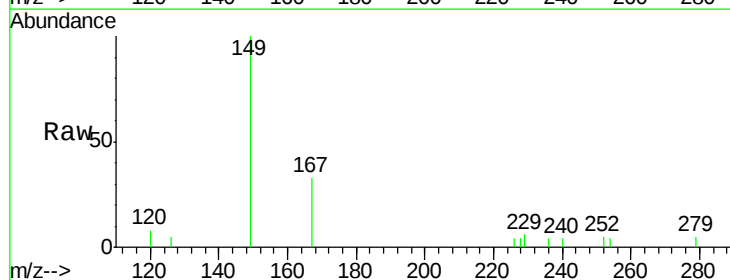
Tgt Ion: 149 Resp: 6059

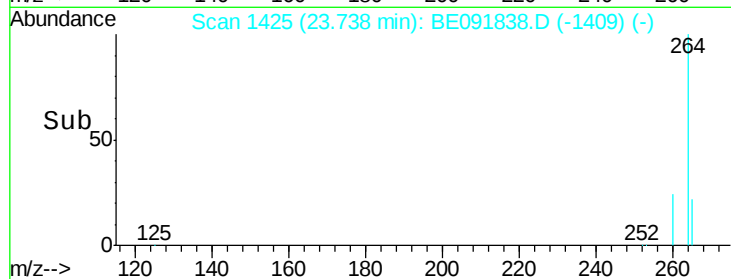
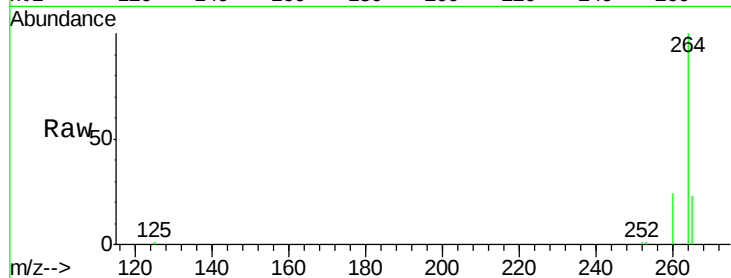
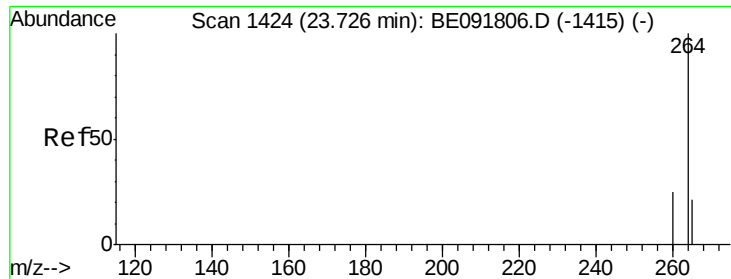
Ion Ratio Lower Upper

149 100

167 32.4 19.5 29.3#

279 0.0 10.0 15.0#





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.74 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BE091838.D

Acq: 20 May 2016 15:27

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160517

Tgt Ion: 264 Resp: 256650

Ion Ratio Lower Upper

264 100

260 23.8 20.0 30.0

265 23.5 17.5 26.3

