

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051816\
 Data File : BE091794.D
 Acq On : 18 May 2016 18:30
 Operator : UM/SJ
 Sample : H3065-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW039-160511

Quant Time: May 19 00:38:40 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

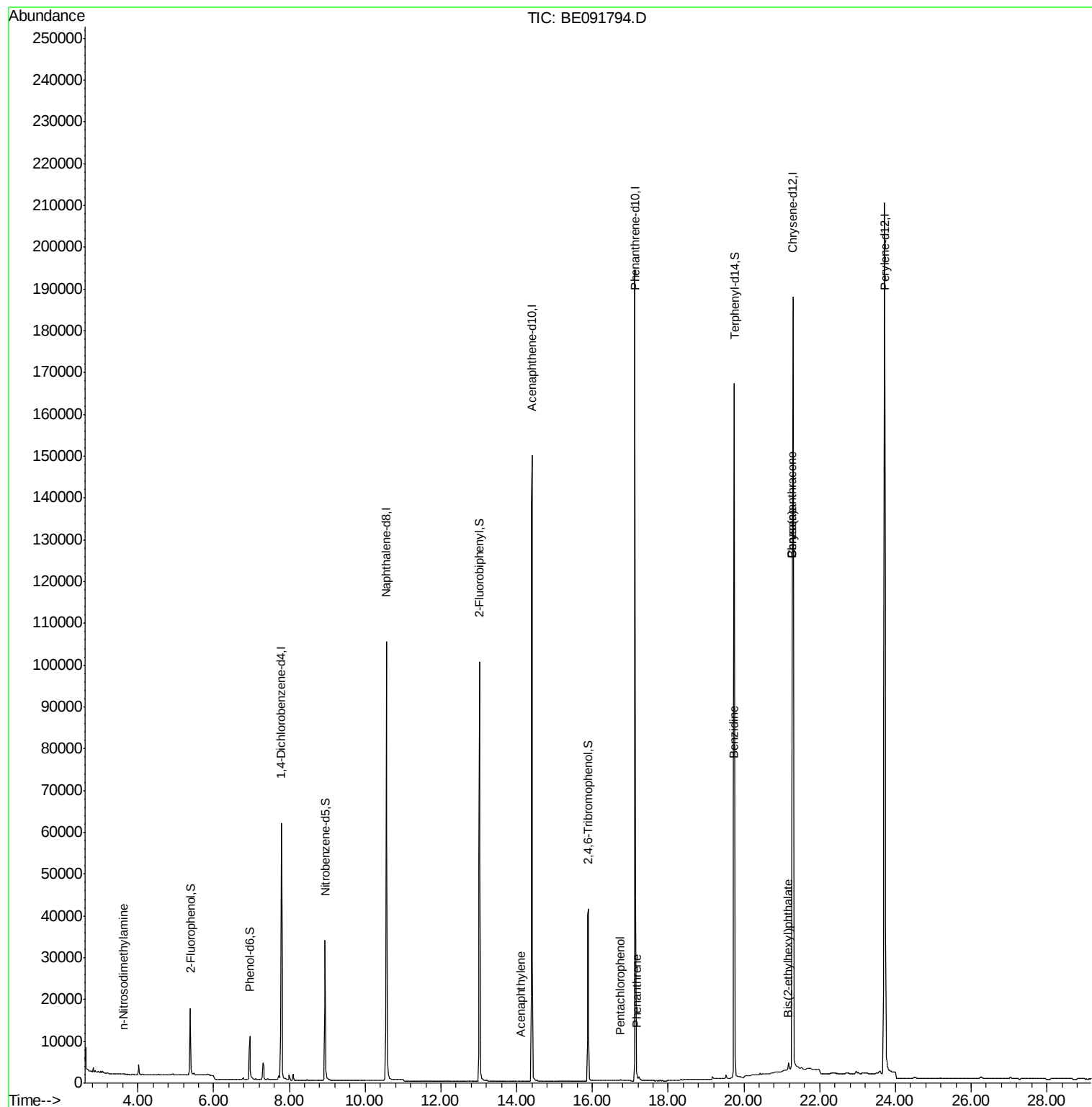
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	32228	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	166574	5.00	ng	-0.02
13) Acenaphthene-d10	14.41	164	109901	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	314389	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	300662	5.00	ng	-0.02
35) Perylene-d12	23.71	264	319994	5.00	ng	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	16347	2.06	ng	0.00
5) Phenol-d6	6.95	99	14374	1.37	ng	0.00
8) Nitrobenzene-d5	8.93	82	34059	3.17	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	30434	7.45	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	99926	3.21	ng	-0.01
29) Terphenyl-d14	19.74	244	224579	4.79	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.61	42	159	0.03	ng	# 7
16) Acenaphthylene	14.11	152	1014	0.02	ng	# 1
22) Pentachlorophenol	16.74	266	251	0.14	ng	# 42
23) Phenanthrene	17.17	178	1902	0.03	ng	# 77
27) Benzidine	19.72	184	4011	0.33	ng	# 88
30) Benzo(a)anthracene	21.27	228	2253	0.03	ng	# 64
32) Chrysene	21.27	228	2300	0.03	ng	# 70
33) Bis(2-ethylhexyl)phthalate	21.17	149	2434	0.11	ng	# 79

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

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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: BE091794.D

Acq: 18 May 2016 18:30

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BNA_E

ClientSampleId :

SS043MW039-160511

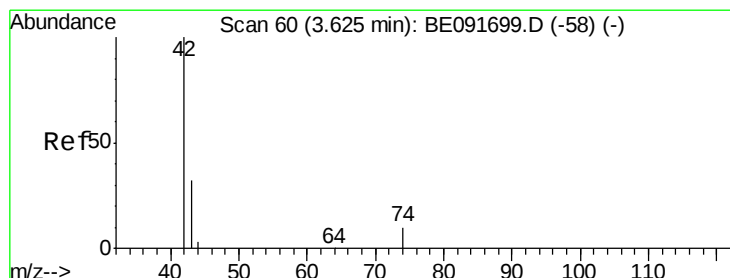
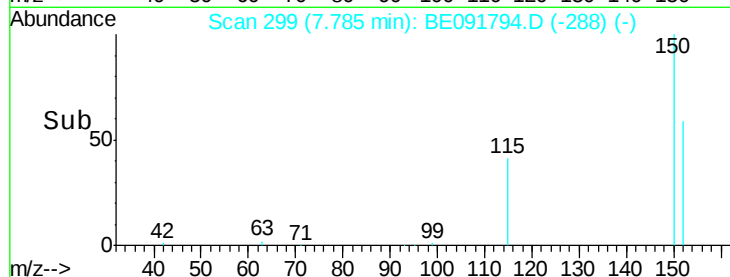
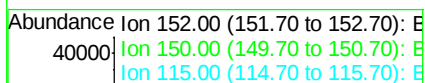
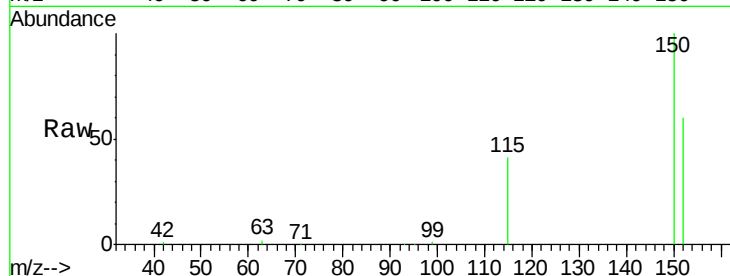
Tgt Ion:152 Resp: 32228

Ion Ratio Lower Upper

152 100

150 167.8 122.6 183.8

115 69.6 52.8 79.2



#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.02 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

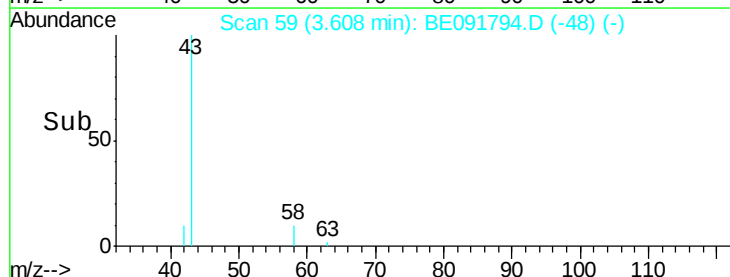
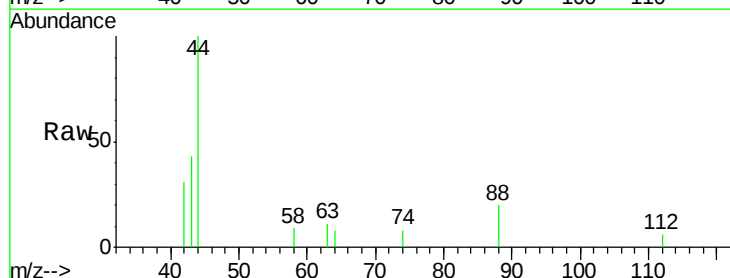
Tgt Ion: 42 Resp: 159

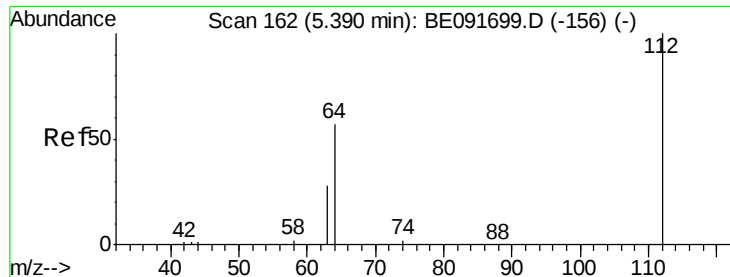
Ion Ratio Lower Upper

42 100

74 5.7 87.9 131.9#

44 0.0 6.6 9.8#





#4

2-Fluorophenol

Concen: 2.06 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

SS043MW039-160511

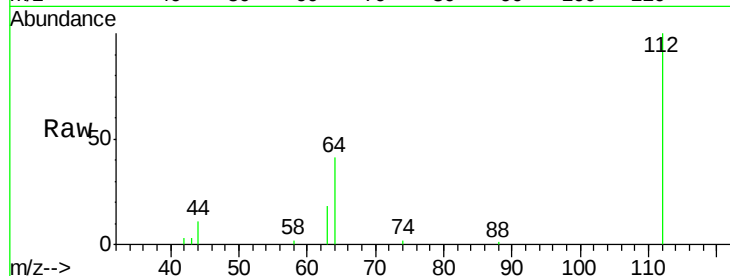
Tgt Ion: 112 Resp: 16347

Ion Ratio Lower Upper

112 100

64 67.4 30.9 46.3#

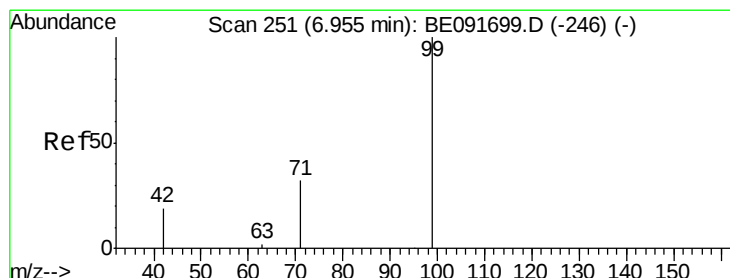
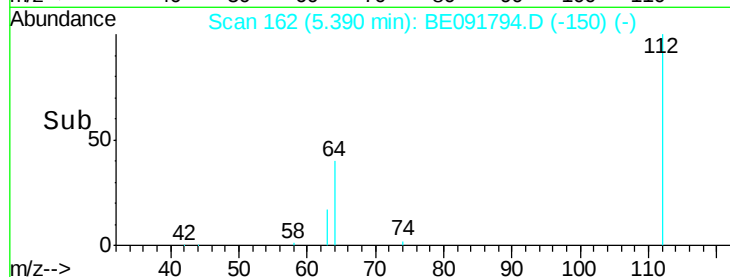
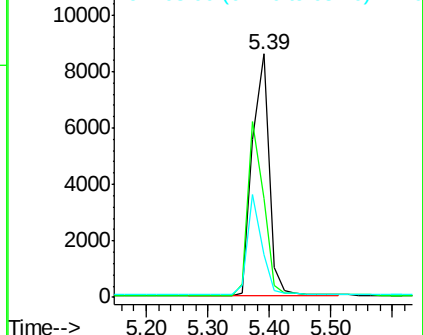
63 35.9 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE091699.D (-156) (-)

Ion 64.00 (63.70 to 64.70): BE091699.D (-156) (-)

Ion 63.00 (62.70 to 63.70): BE091699.D (-156) (-)



#5

Phenol-d6

Concen: 1.37 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

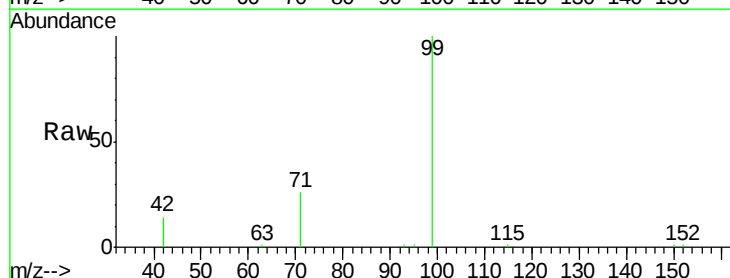
Tgt Ion: 99 Resp: 14374

Ion Ratio Lower Upper

99 100

42 23.3 16.2 24.2

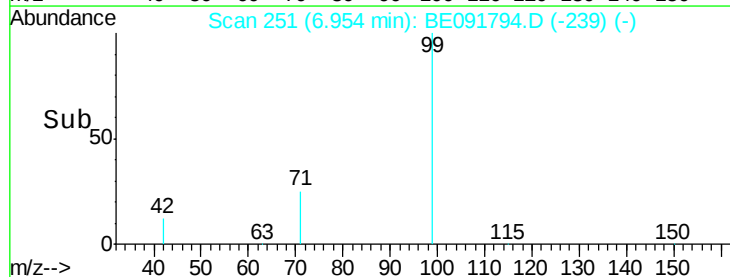
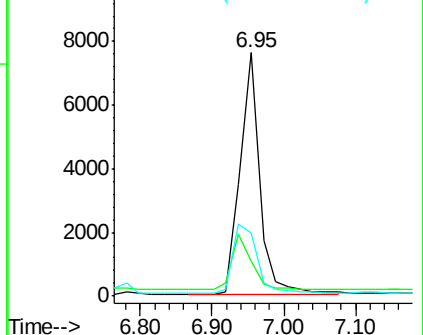
71 35.7 29.0 43.4

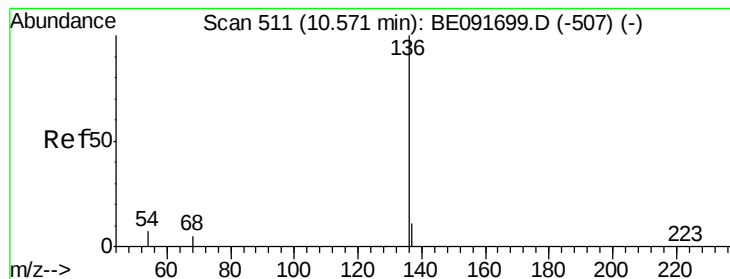


Abundance Ion 99.00 (98.70 to 99.70): BE091699.D (-246) (-)

Ion 42.00 (41.70 to 42.70): BE091699.D (-246) (-)

Ion 71.00 (70.70 to 71.70): BE091699.D (-246) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

SS043MW039-160511

Tgt Ion: 136 Resp: 166574

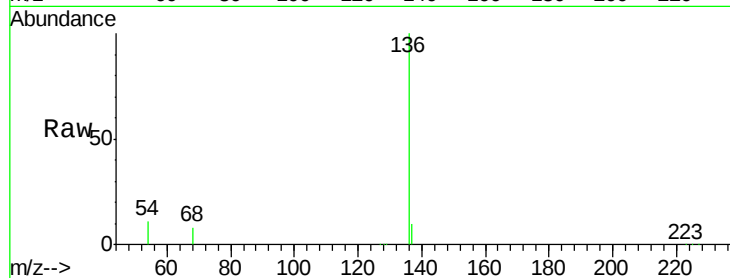
Ion Ratio Lower Upper

136 100

137 10.2 8.9 13.3

54 11.4 8.2 12.4

68 8.1 6.2 9.4

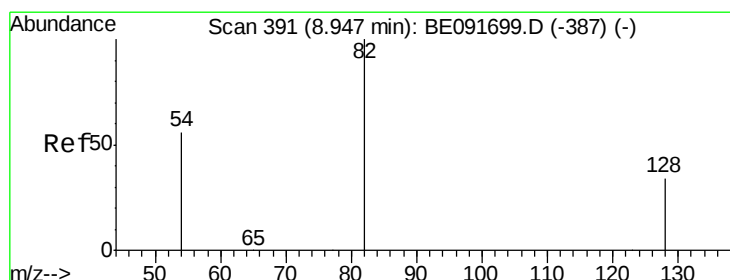
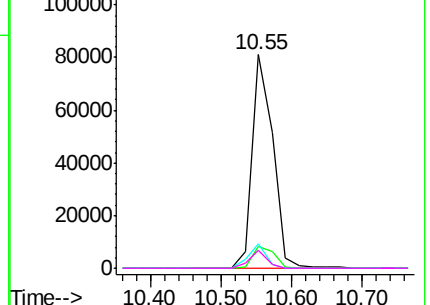
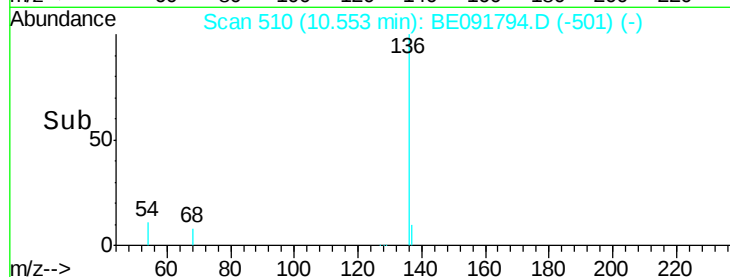


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 3.17 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

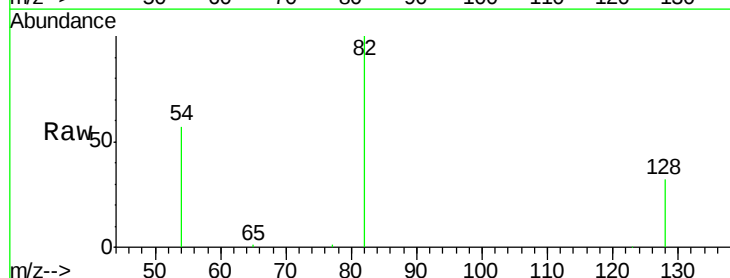
Tgt Ion: 82 Resp: 34059

Ion Ratio Lower Upper

82 100

128 31.6 25.4 38.0

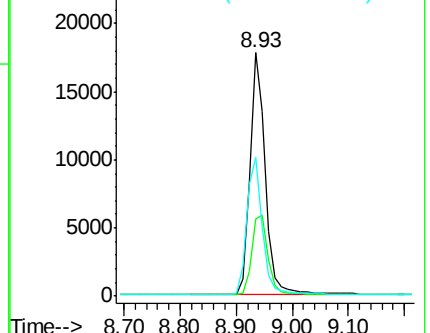
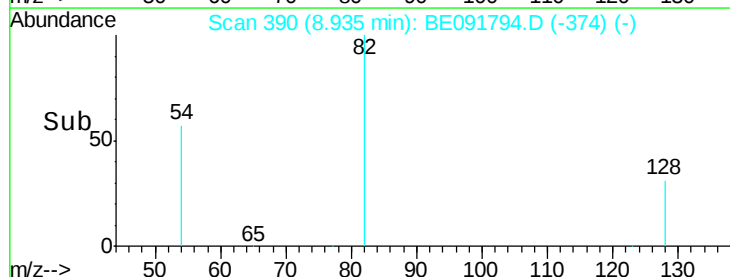
54 57.1 48.4 72.6

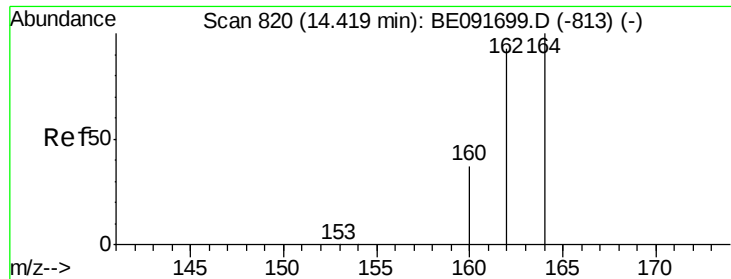


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

SS043MW039-160511

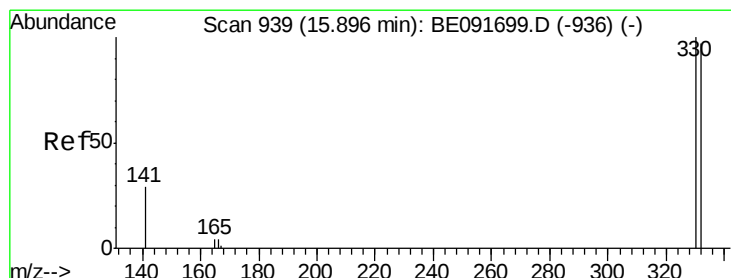
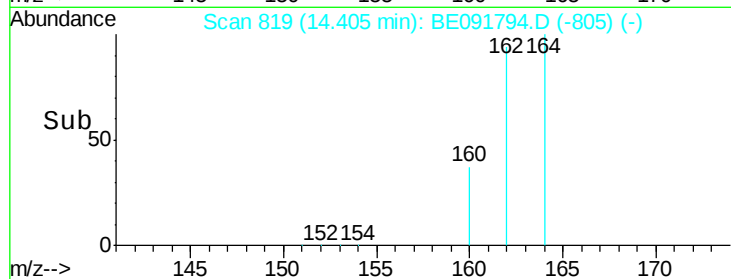
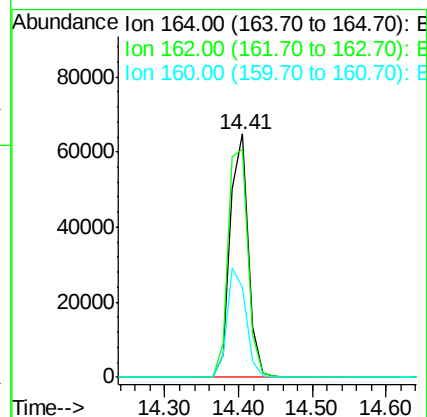
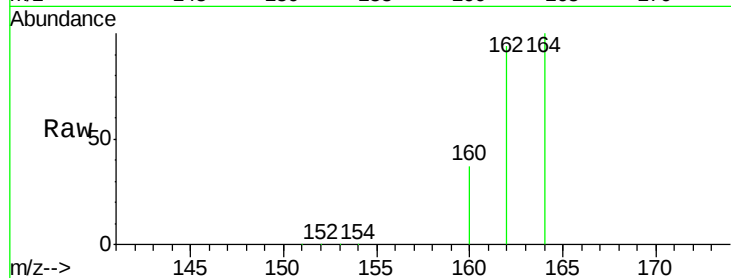
Tgt Ion:164 Resp: 109901

Ion Ratio Lower Upper

164 100

162 94.0 85.3 127.9

160 37.0 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 7.45 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

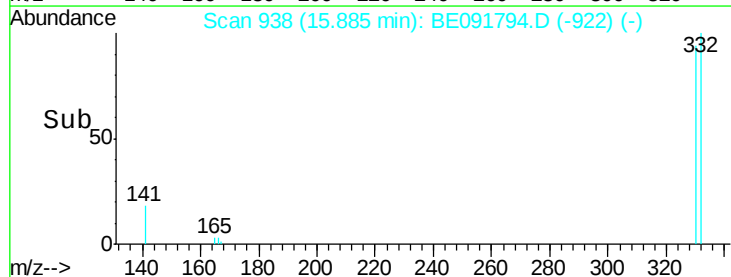
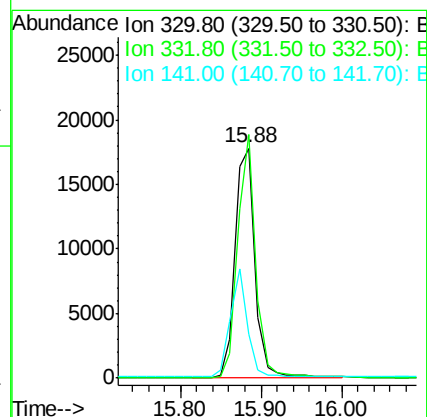
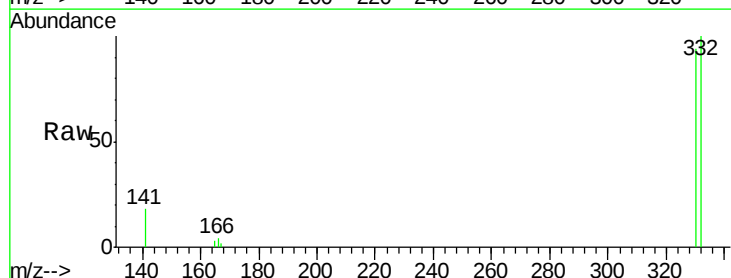
Tgt Ion:330 Resp: 30434

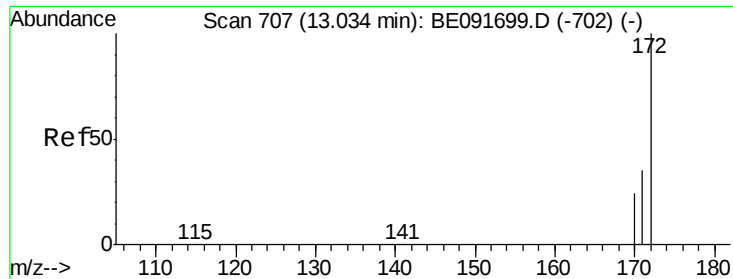
Ion Ratio Lower Upper

330 100

332 96.0 79.1 118.7

141 40.4 125.4 188.0#

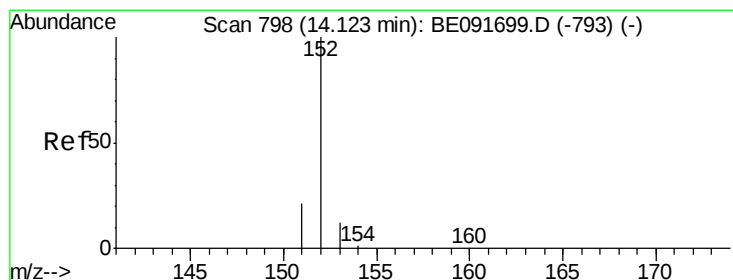
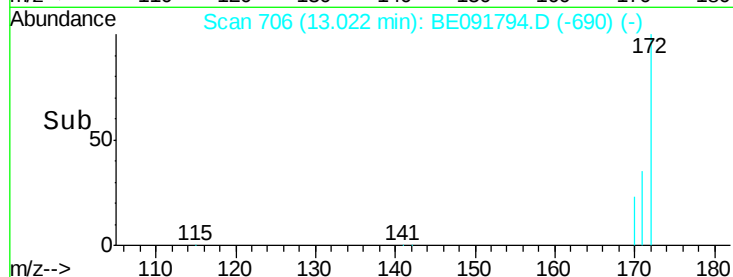
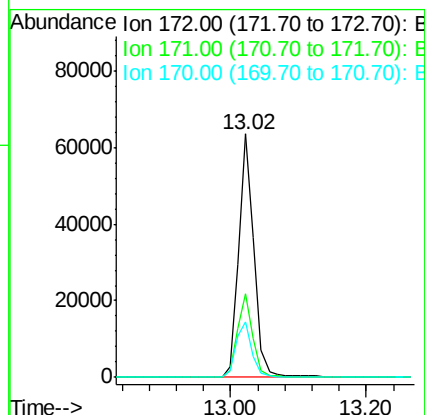
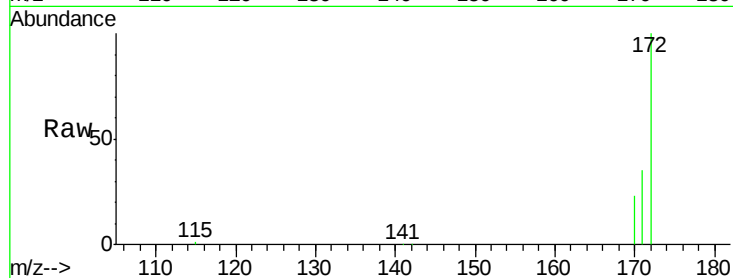




#15
2-Fluorobiphenyl
Concen: 3.21 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091794.D
Acq: 18 May 2016 18:30

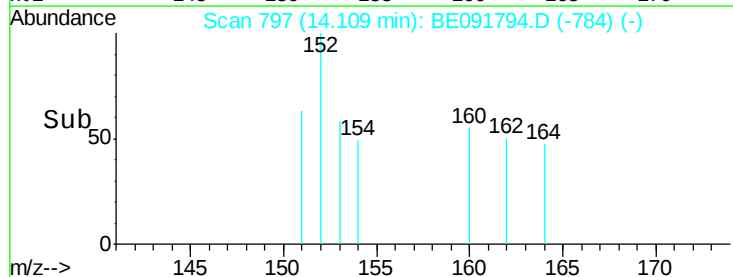
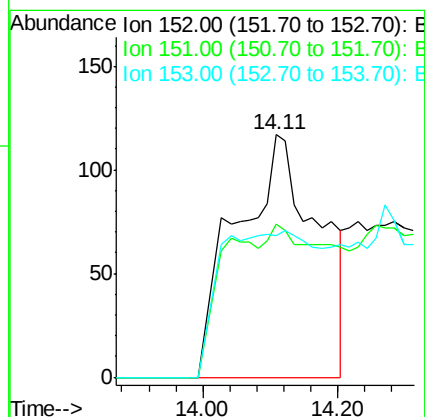
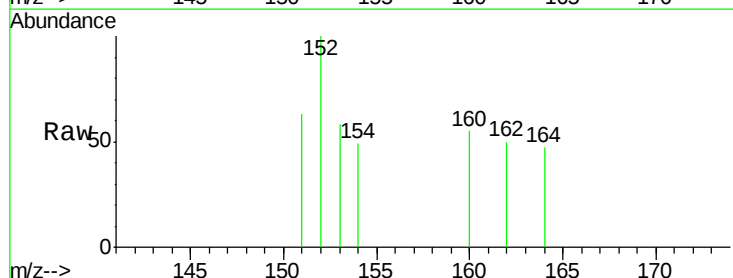
Instrument :
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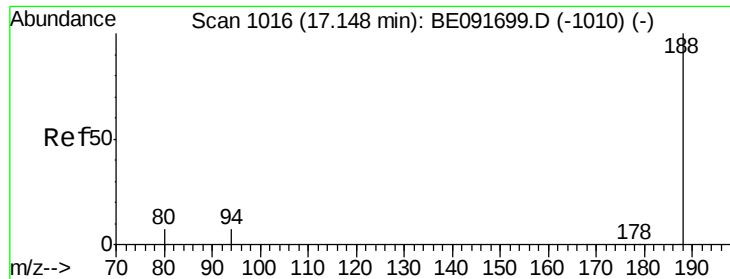
Tgt Ion:172 Resp: 99926
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 23.0 19.3 28.9



#16
Acenaphthylene
Concen: 0.02 ng
RT: 14.11 min Scan# 797
Delta R.T. -0.01 min
Lab File: BE091794.D
Acq: 18 May 2016 18:30

Tgt Ion:152 Resp: 1014
Ion Ratio Lower Upper
152 100
151 0.0 3.9 5.9#
153 70.6 10.3 15.5#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

SS043MW039-160511

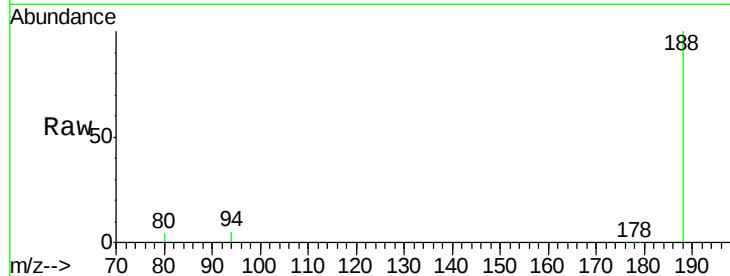
Tgt Ion:188 Resp: 314389

Ion Ratio Lower Upper

188 100

94 4.9 8.7 13.1#

80 4.1 9.4 14.0#

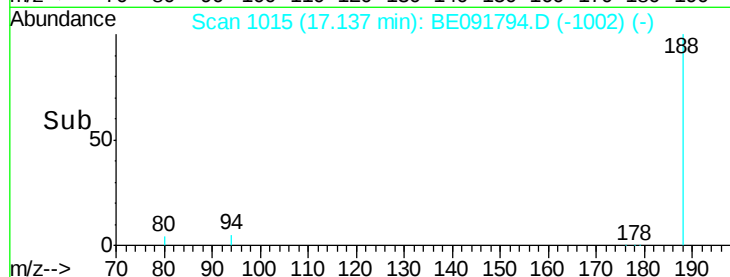


Abundance Ion 188.00 (187.70 to 188.70): E

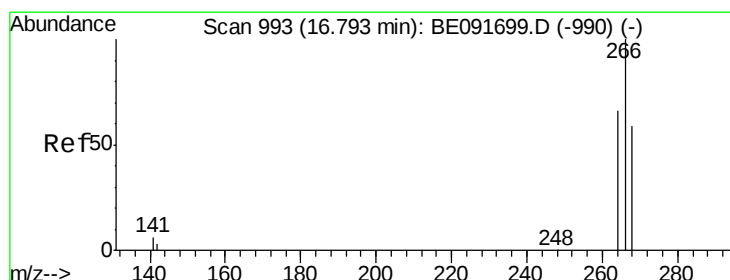
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

Time-->



Time-->



#22

Pentachlorophenol

Concen: 0.14 ng

RT: 16.74 min Scan# 990

Delta R.T. -0.05 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

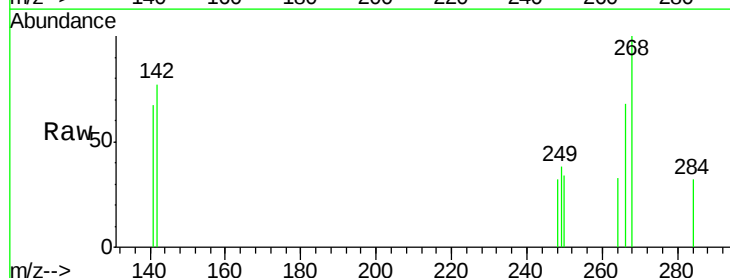
Tgt Ion:266 Resp: 251

Ion Ratio Lower Upper

266 100

268 146.8 58.2 87.2#

264 47.7 56.2 84.4#

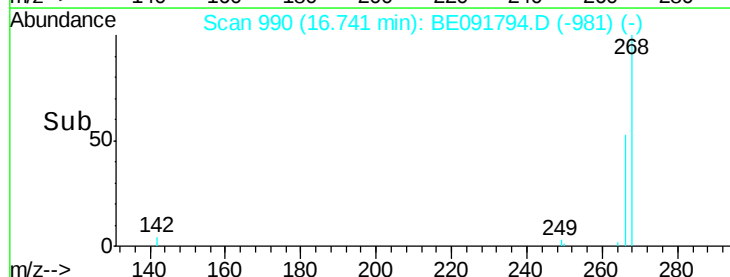


Abundance Ion 265.70 (265.40 to 266.40): E

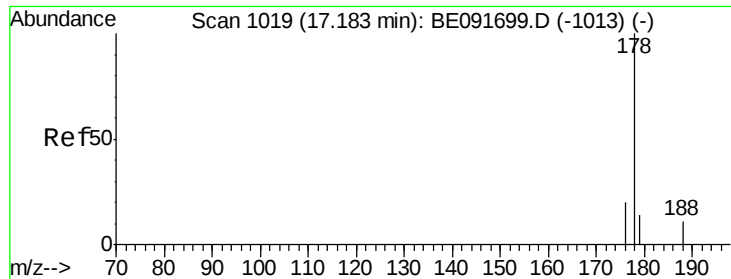
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time-->



Time-->



#23

Phenanthrene

Concen: 0.03 ng

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

Instrument :

BNA_E

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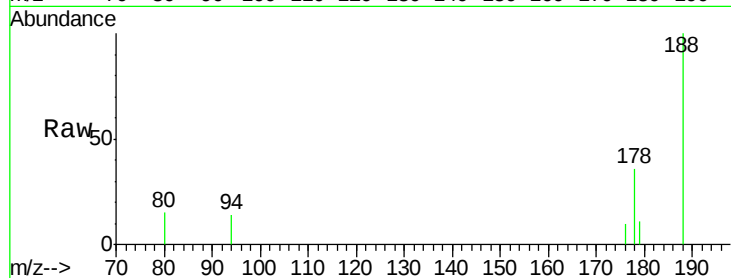
Tgt Ion:178 Resp: 1902

Ion Ratio Lower Upper

178 100

176 14.0 15.3 22.9#

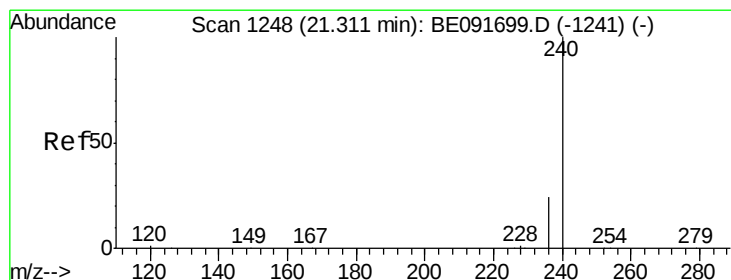
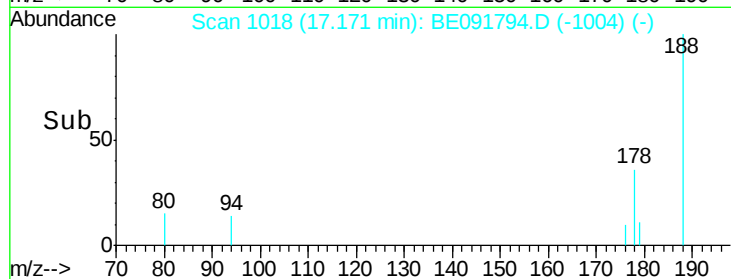
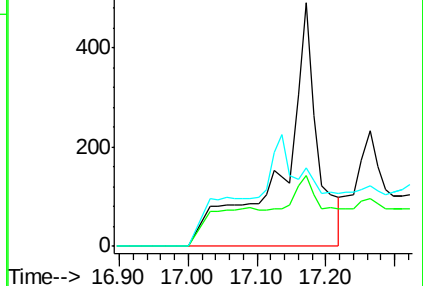
179 0.0 12.6 18.8#



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: BE091794.D

Acq: 18 May 2016 18:30

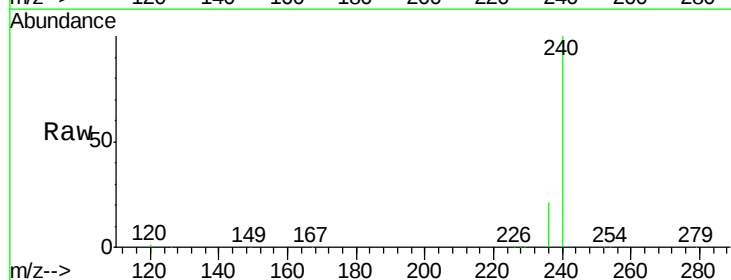
Tgt Ion:240 Resp: 300662

Ion Ratio Lower Upper

240 100

120 0.9 11.0 16.4#

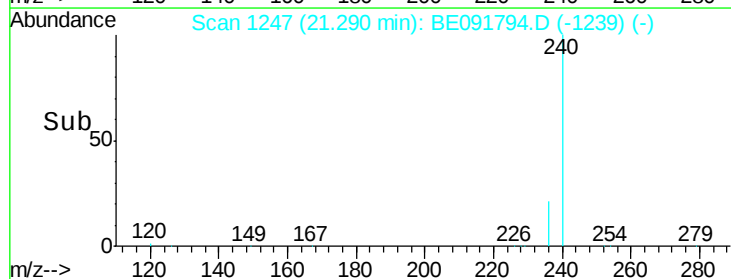
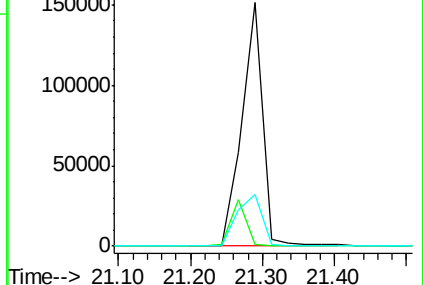
236 21.4 21.7 32.5#

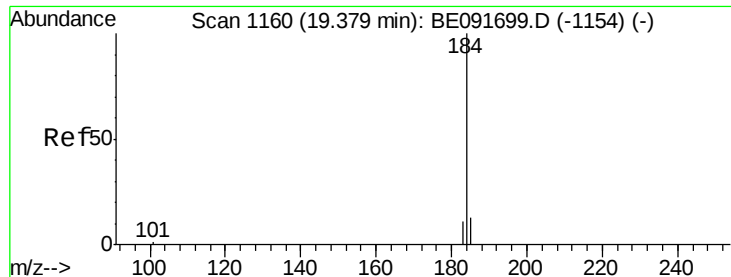


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.33 ng

RT: 19.72 min Scan# 1178

Delta R.T. 0.35 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

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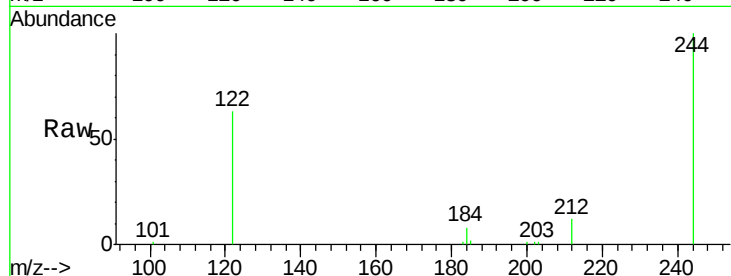
Tgt Ion:184 Resp: 4011

Ion Ratio Lower Upper

184 100

185 19.5 22.3 33.5#

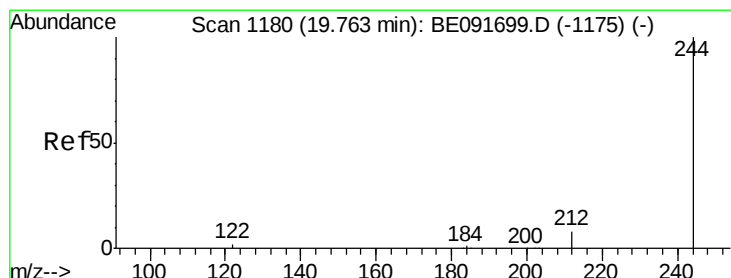
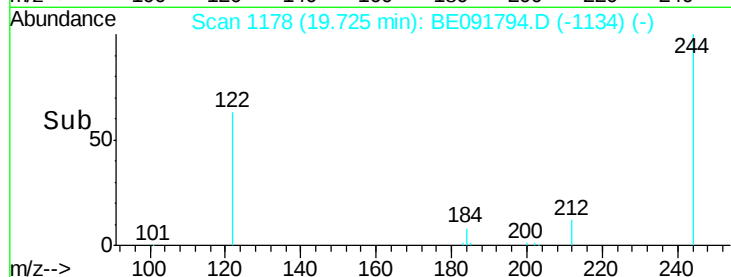
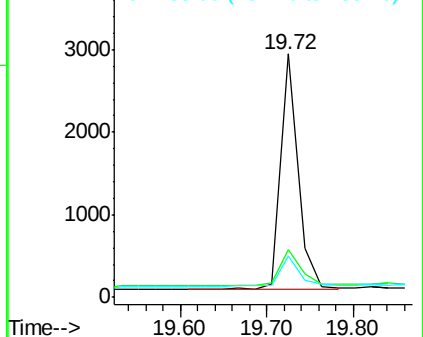
183 17.2 16.4 24.6



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: 4.79 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

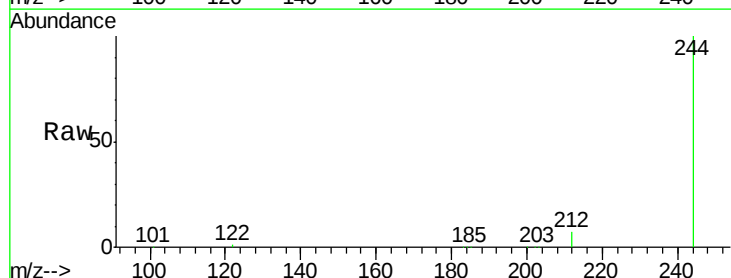
Tgt Ion:244 Resp: 224579

Ion Ratio Lower Upper

244 100

212 7.0 6.9 10.3

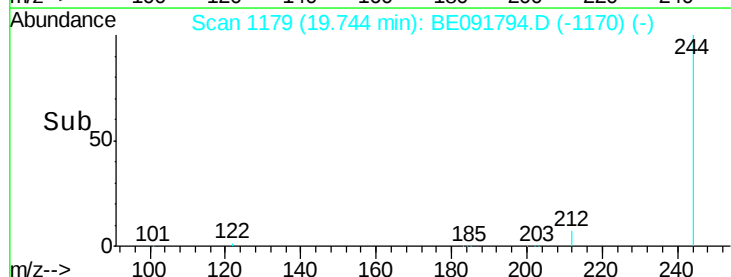
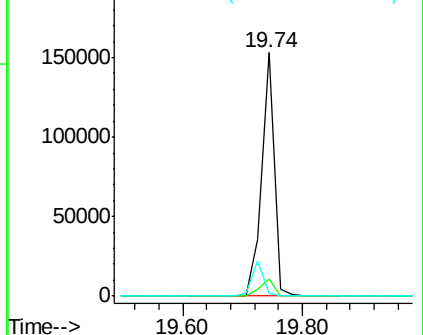
122 1.0 11.0 16.4#

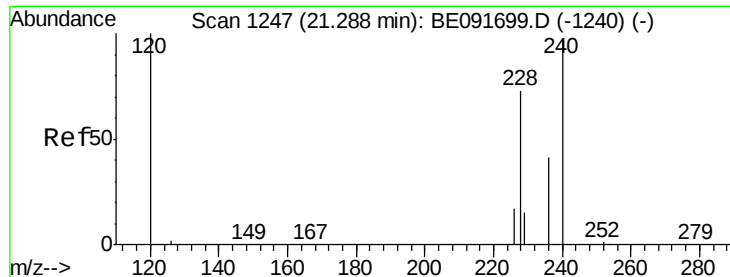


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

Instrument :

BNA_E

ClientSampleId :

SS043MW039-160511

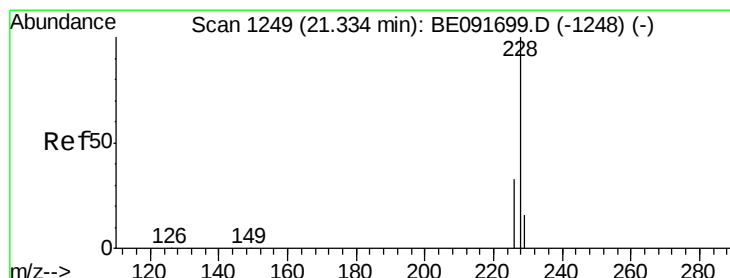
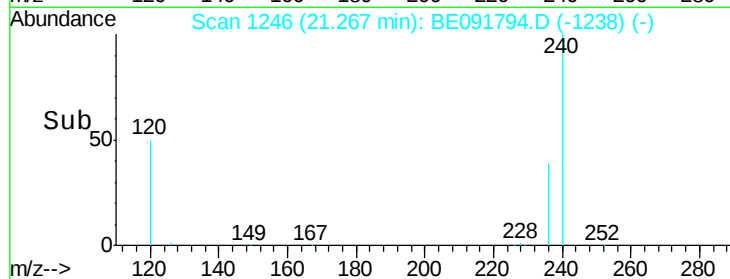
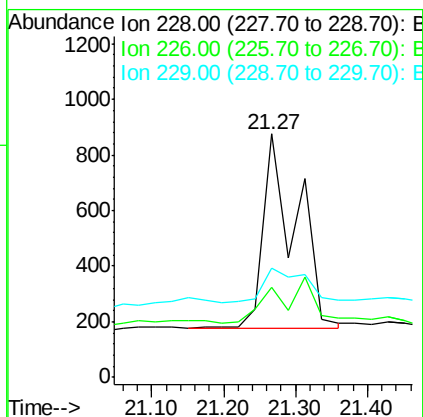
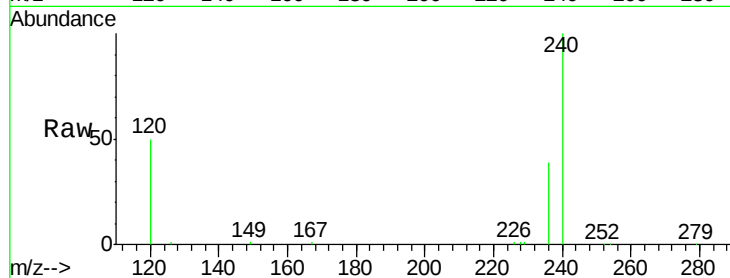
Tgt Ion:228 Resp: 2253

Ion Ratio Lower Upper

228 100

226 37.0 21.0 31.4#

229 45.1 15.7 23.5#



#32

Chrysene

Concen: 0.03 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.07 min

Lab File: BE091794.D

Acq: 18 May 2016 18:30

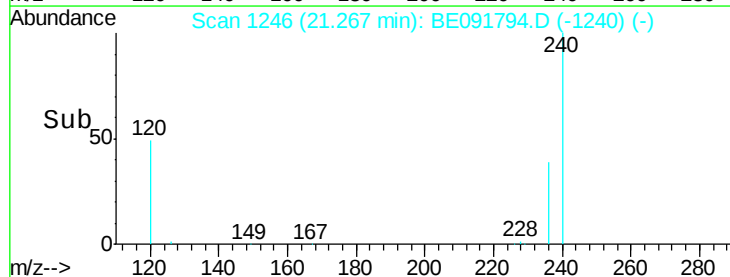
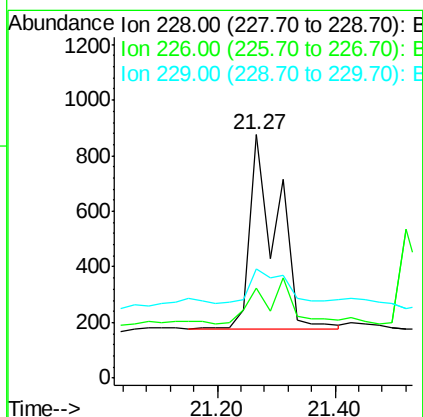
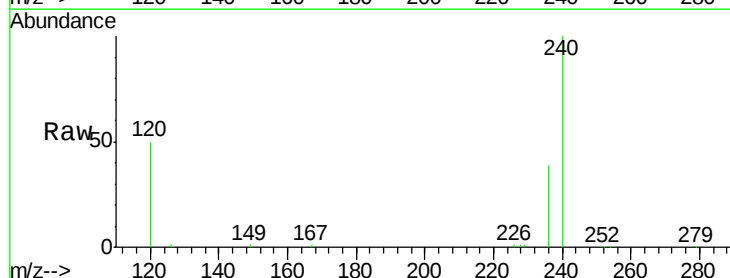
Tgt Ion:228 Resp: 2300

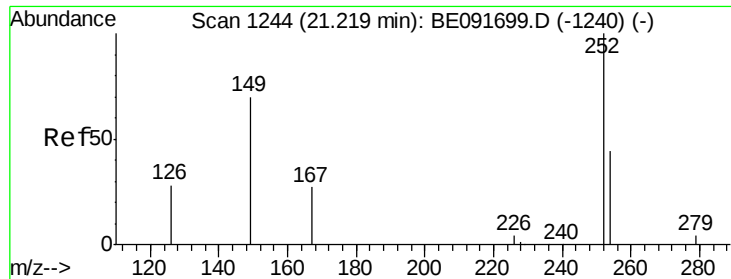
Ion Ratio Lower Upper

228 100

226 37.0 24.0 36.0#

229 45.1 15.9 23.9#

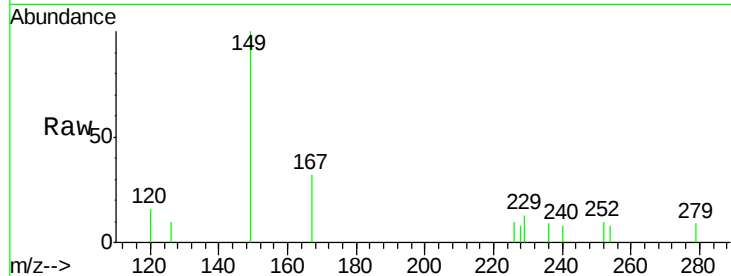




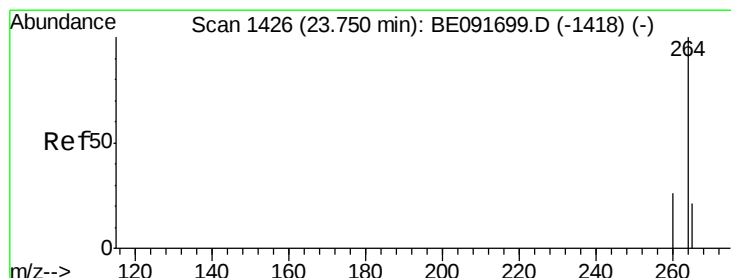
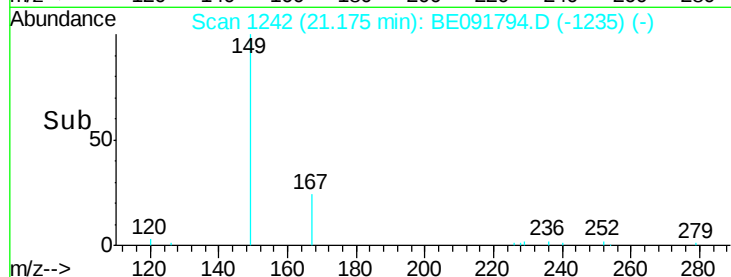
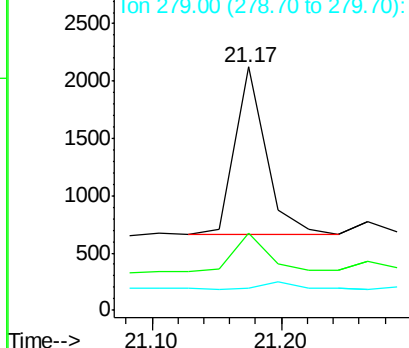
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.11 ng
 RT: 21.17 min Scan# 1242
 Delta R.T. -0.04 min
 Lab File: BE091794.D
 Acq: 18 May 2016 18:30

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW039-160511

Tgt Ion:149 Resp: 2434
 Ion Ratio Lower Upper
 149 100
 167 31.9 19.5 29.3#
 279 0.0 10.0 15.0#

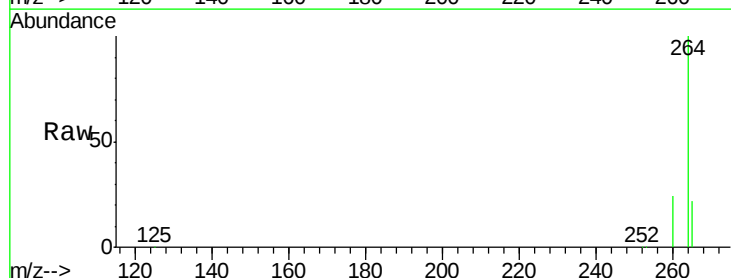


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 1423
 Delta R.T. -0.04 min
 Lab File: BE091794.D
 Acq: 18 May 2016 18:30

Tgt Ion:264 Resp: 319994
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.0 30.0
 265 22.3 17.5 26.3



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

