

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041316\
 Data File : BE091652.D
 Acq On : 13 Apr 2016 11:54
 Operator : UM/SJ
 Sample : H2090-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS037-160330

Quant Time: Apr 14 00:51:10 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 16:48:14 2016
 Response via : Initial Calibration

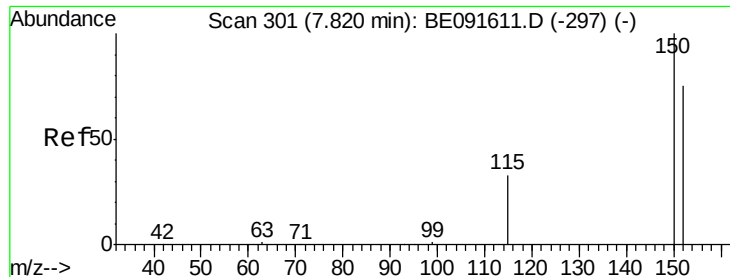
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	42472	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	178099	5.00	ng	-0.02
13) Acenaphthene-d10	14.42	164	92487	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	229284	5.00	ng	-0.01
26) Chrysene-d12	21.31	240	315545	5.00	ng	0.00
35) Perylene-d12	23.75	264	295240	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	26977	2.66	ng	-0.02
5) Phenol-d6	6.95	99	19565	1.45	ng	-0.02
8) Nitrobenzene-d5	8.95	82	41155	3.98	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	21207	6.32	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	117825	4.58	ng	0.00
29) Terphenyl-d14	19.76	244	181548	4.61	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Nitrobenzene	8.95	77	139	0.18	ng	# 36
16) Acenaphthylene	14.13	152	854	0.02	ng	# 72
22) Pentachlorophenol	16.81	266	294	0.29	ng	95
23) Phenanthrene	17.19	178	1275	0.02	ng	# 83
27) Benzidine	19.76	184	2864	0.42	ng	97
30) Benzo(a)anthracene	21.29	228	2611	0.04	ng	# 87
31) 3,3'-Dichlorobenzidine	21.24	252	164	0.17	ng	# 48
32) Chrysene	21.29	228	2622	0.04	ng	# 92
33) Bis(2-ethylhexyl)phthalate	21.22	149	29079	0.79	ng	# 84

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

```
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Data File : BE091652.D  
Acq On    : 13 Apr 2016  11:54  
Operator  : UM/SJ  
Sample    : H2090-03  
Misc      :  
ALS Vial  : 3      Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160330

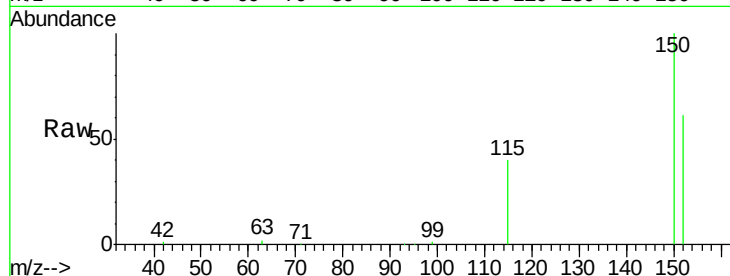
Tgt Ion:152 Resp: 42472

Ion Ratio Lower Upper

152 100

150 162.9 122.6 183.8

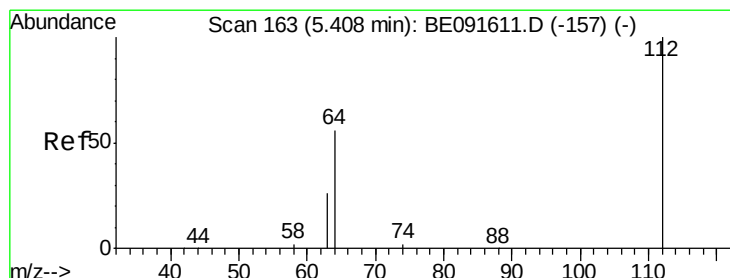
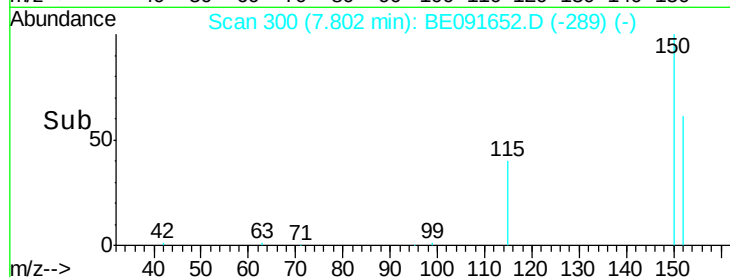
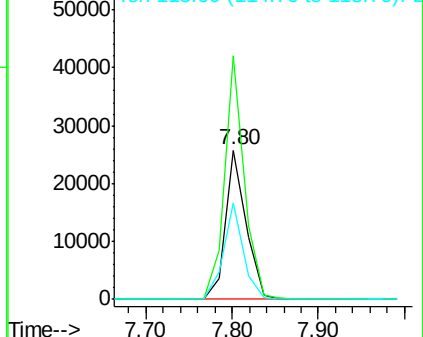
115 64.9 52.8 79.2



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



#4

2-Fluorophenol

Concen: 2.66 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.02 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

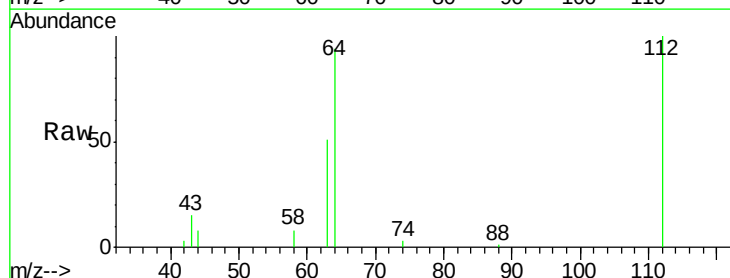
Tgt Ion:112 Resp: 26977

Ion Ratio Lower Upper

112 100

64 70.4 30.9 46.3#

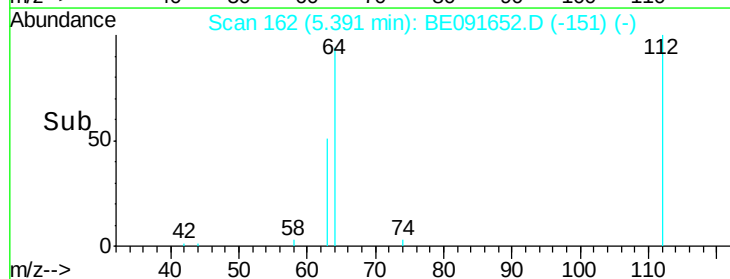
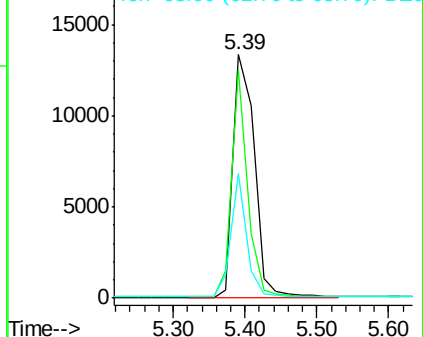
63 37.8 16.7 25.1#

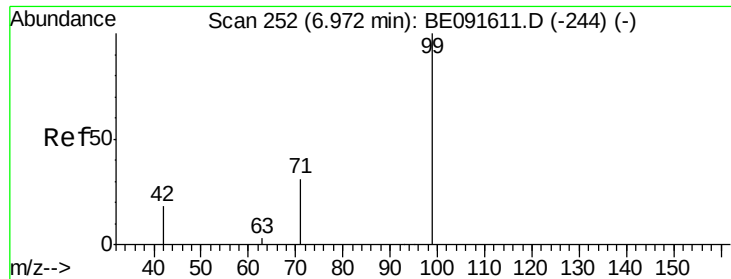


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.45 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.02 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160330

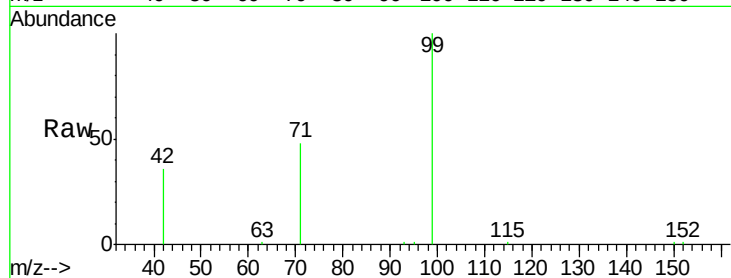
Tgt Ion: 99 Resp: 19565

Ion Ratio Lower Upper

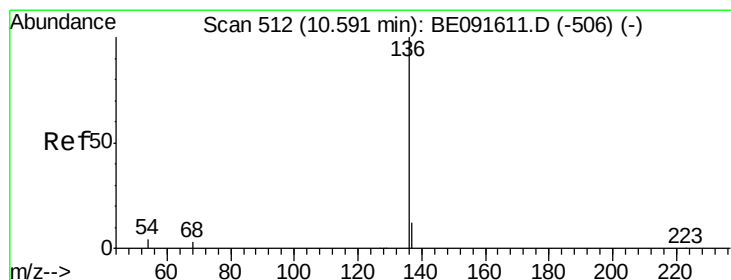
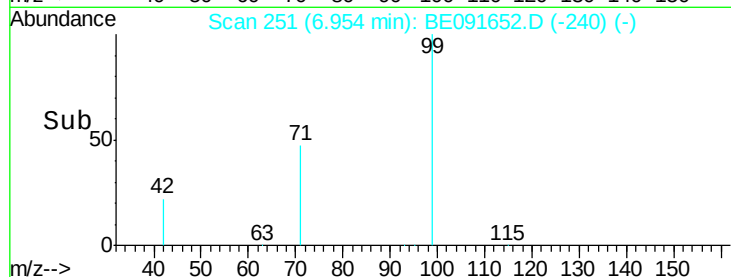
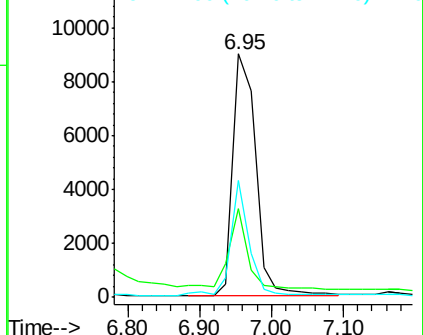
99 100

42 26.7 16.2 24.2#

71 37.2 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. -0.02 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

Tgt Ion: 136 Resp: 178099

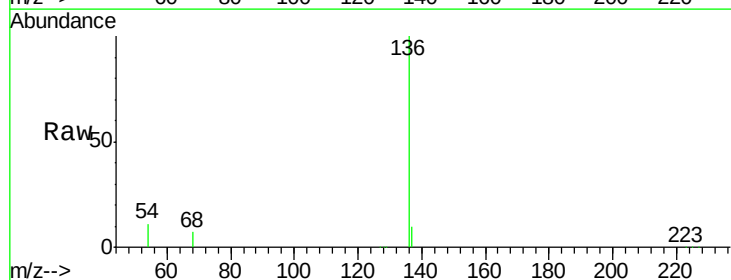
Ion Ratio Lower Upper

136 100

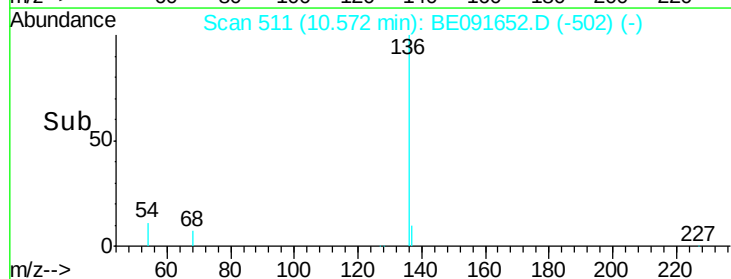
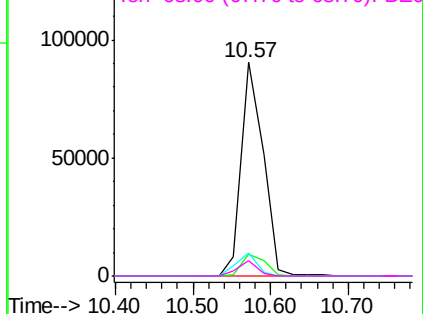
137 10.3 8.9 13.3

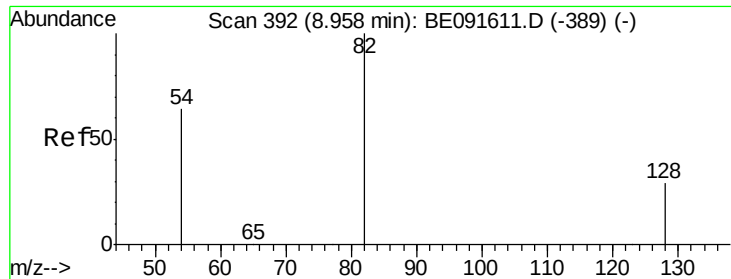
54 10.9 8.2 12.4

68 7.4 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: 3.98 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.01 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160330

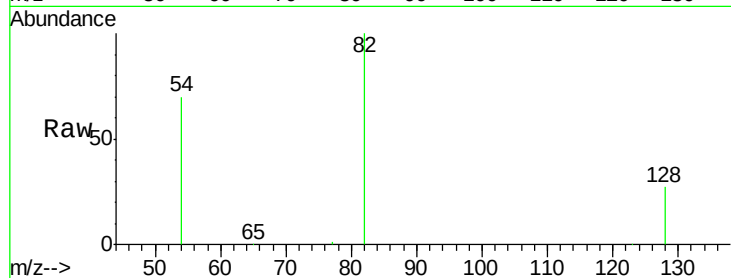
Tgt Ion: 82 Resp: 41155

Ion Ratio Lower Upper

82 100

128 27.2 25.4 38.0

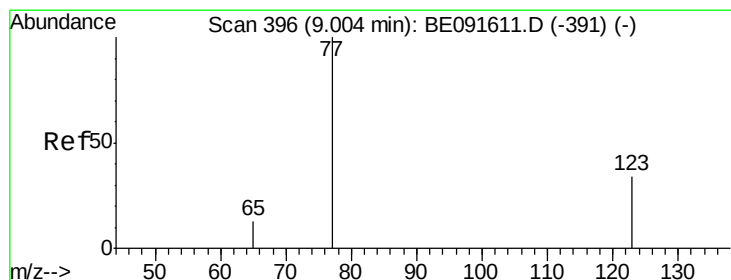
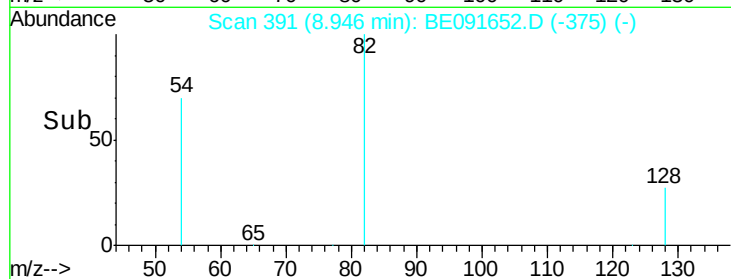
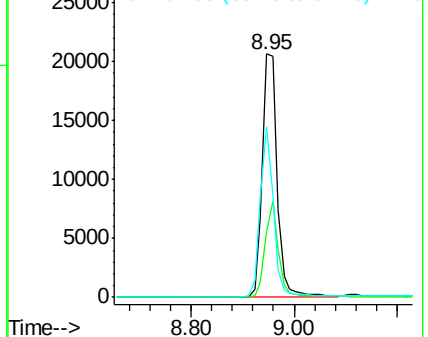
54 70.0 48.4 72.6



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Nitrobenzene

Concen: 0.18 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.06 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

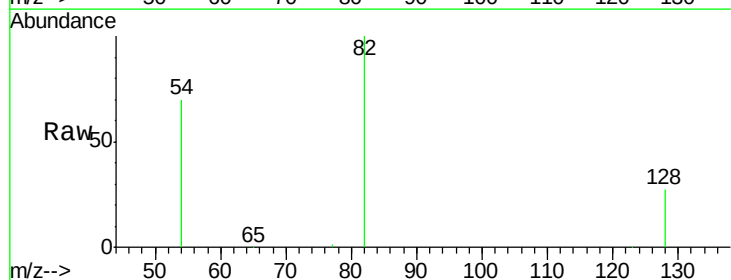
Tgt Ion: 77 Resp: 139

Ion Ratio Lower Upper

77 100

123 0.0 26.9 40.3#

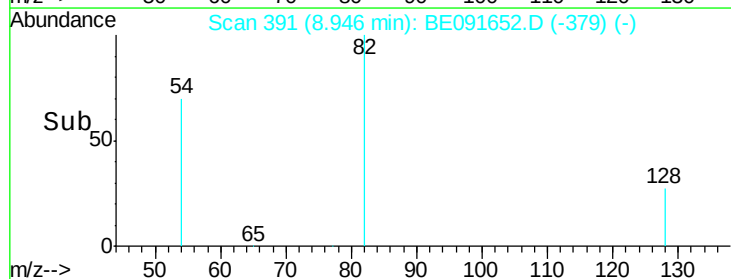
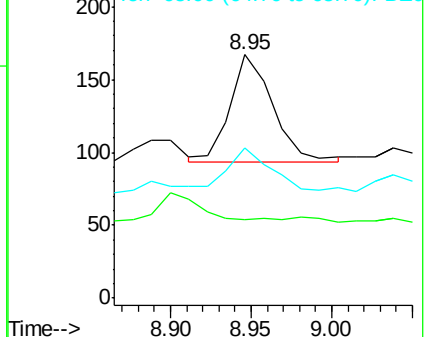
65 41.7 9.4 14.2#

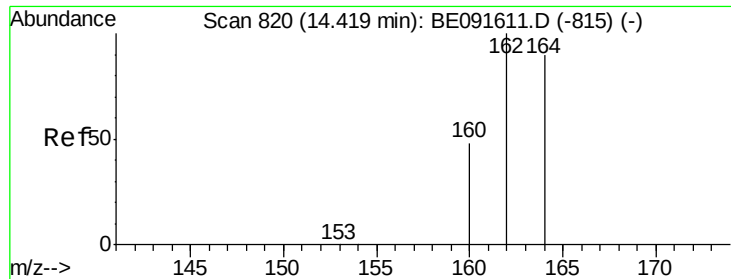


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160330

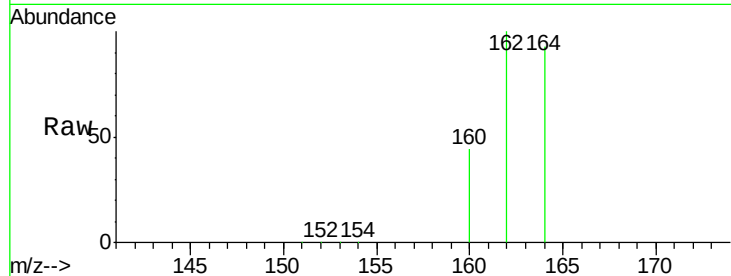
Tgt Ion:164 Resp: 92487

Ion Ratio Lower Upper

164 100

162 107.8 85.3 127.9

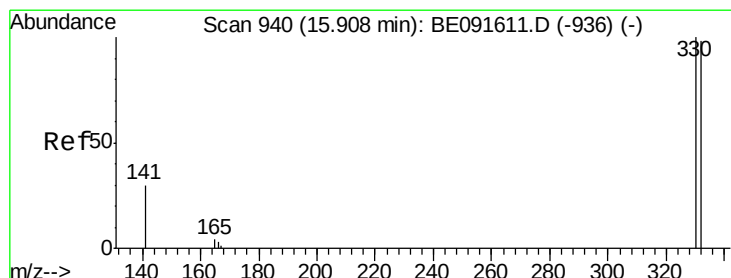
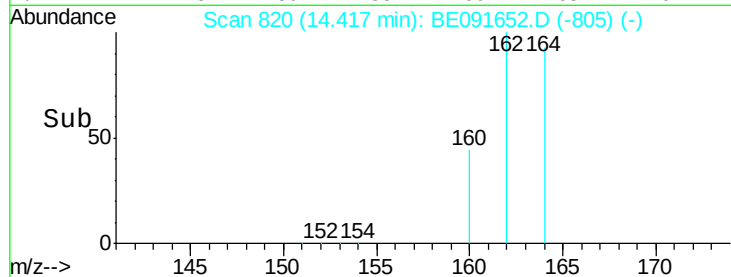
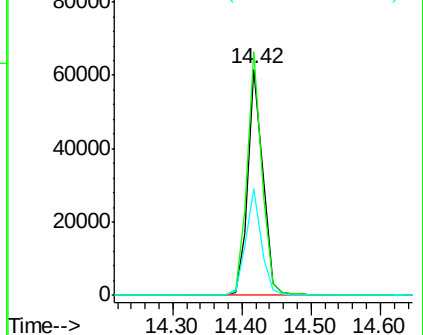
160 47.5 46.2 69.2



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



#14

2,4,6-Tribromophenol

Concen: 6.32 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

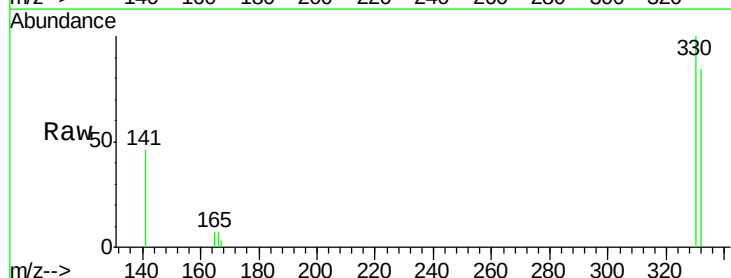
Tgt Ion:330 Resp: 21207

Ion Ratio Lower Upper

330 100

332 96.1 79.1 118.7

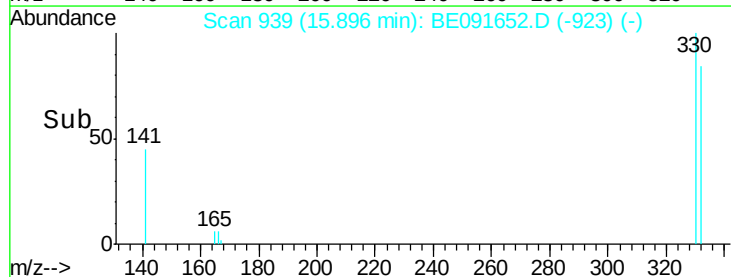
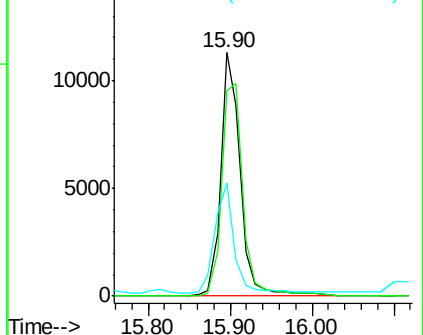
141 44.9 125.4 188.0#

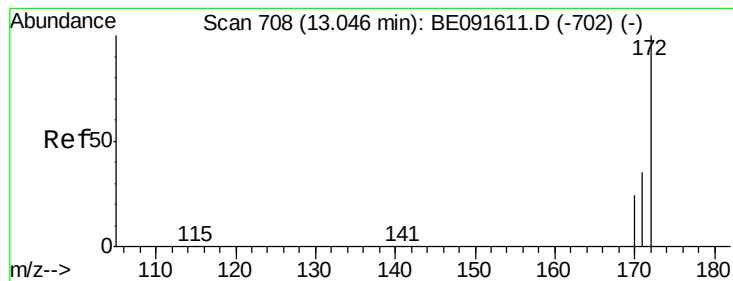


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 4.58 ng

RT: 13.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160330

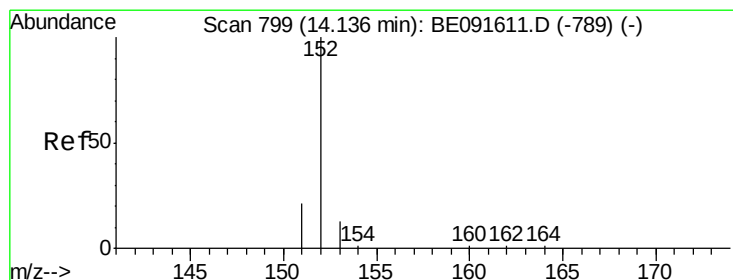
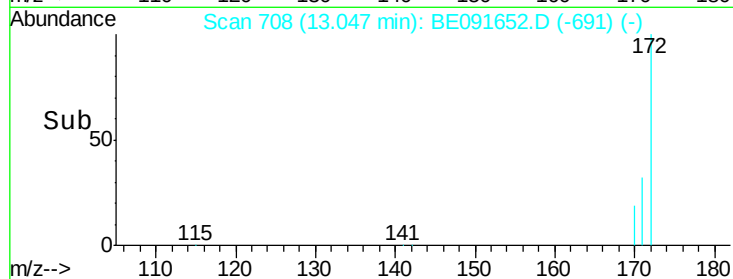
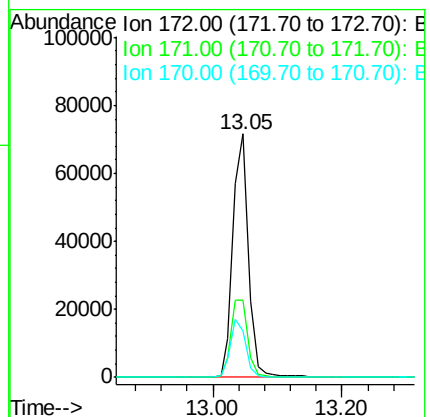
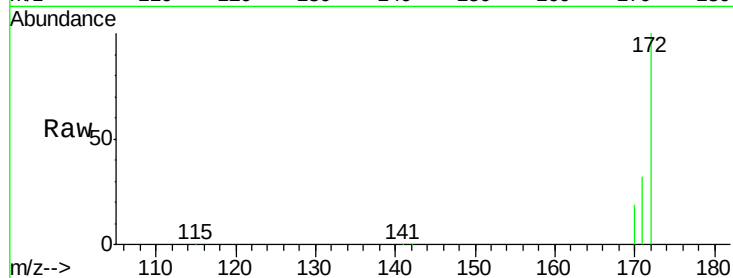
Tgt Ion:172 Resp: 117825

Ion Ratio Lower Upper

172 100

171 31.6 28.8 43.2

170 19.3 19.3 28.9



#16

Acenaphthylene

Concen: 0.02 ng

RT: 14.13 min Scan# 799

Delta R.T. -0.00 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

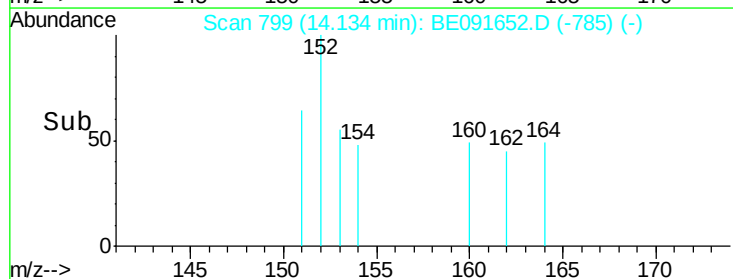
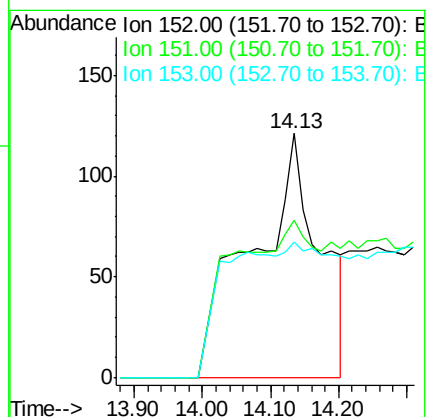
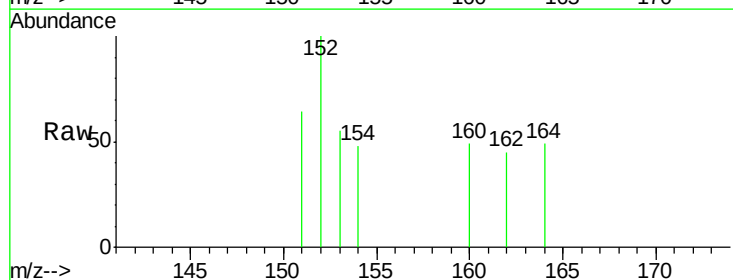
Tgt Ion:152 Resp: 854

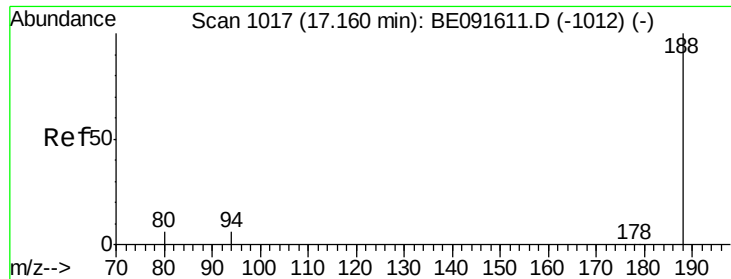
Ion Ratio Lower Upper

152 100

151 0.0 3.9 5.9#

153 0.0 10.3 15.5#

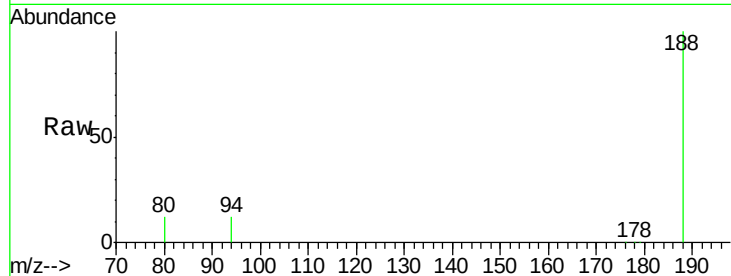




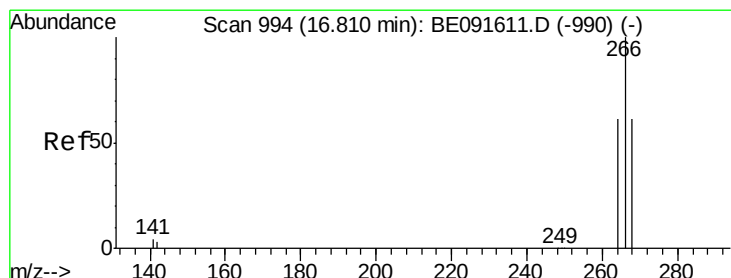
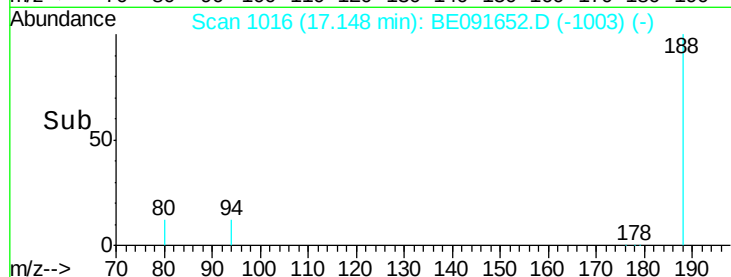
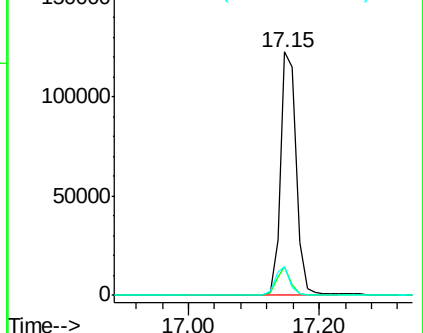
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE091652.D
Acq: 13 Apr 2016 11:54

Instrument :
BNA_E
ClientSampleId :
KY038PS037-160330

Tgt Ion:188 Resp: 229284
Ion Ratio Lower Upper
188 100
94 11.6 8.7 13.1
80 11.8 9.4 14.0

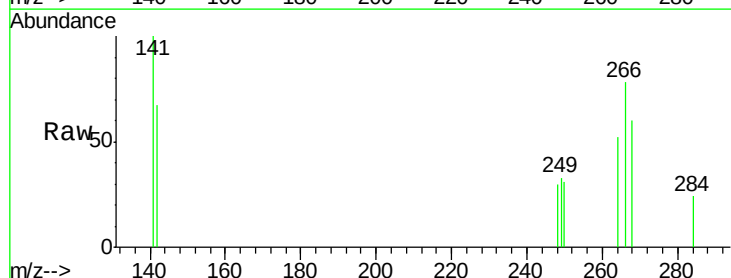


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

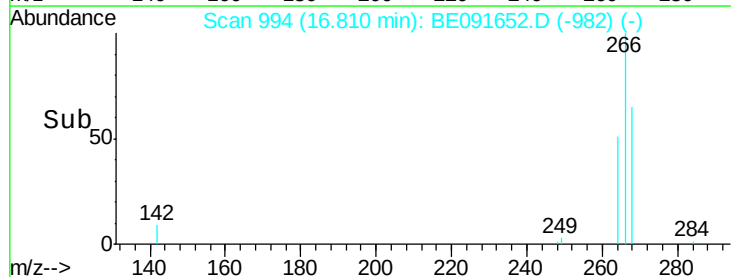
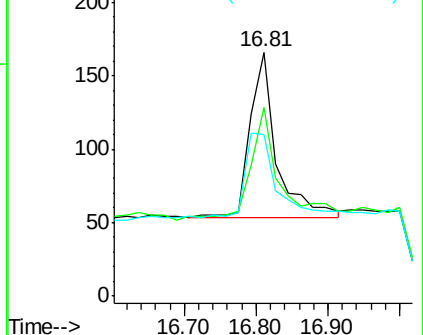


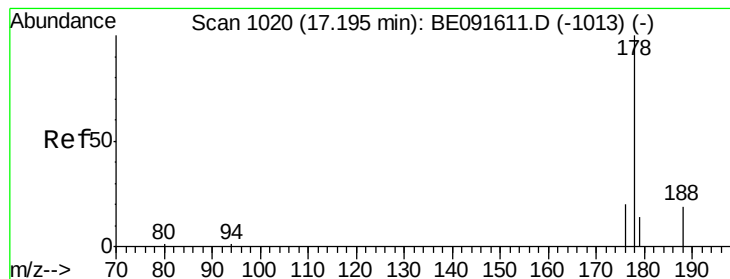
#22
Pentachlorophenol
Concen: 0.29 ng
RT: 16.81 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE091652.D
Acq: 13 Apr 2016 11:54

Tgt Ion:266 Resp: 294
Ion Ratio Lower Upper
266 100
268 77.1 58.2 87.2
264 66.3 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





#23

Phenanthrene

Concen: 0.02 ng

RT: 17.19 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160330

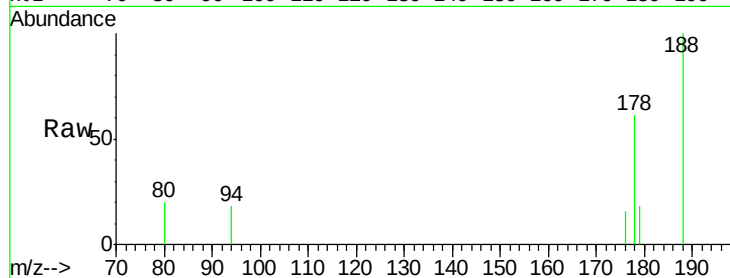
Tgt Ion:178 Resp: 1275

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

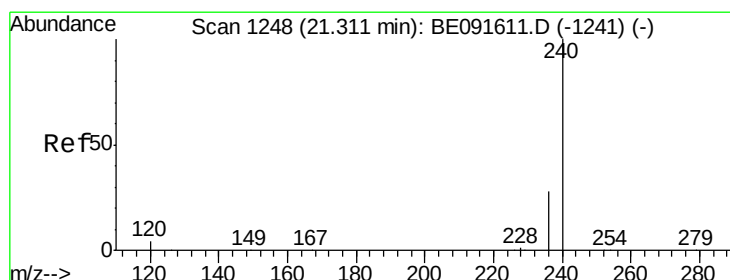
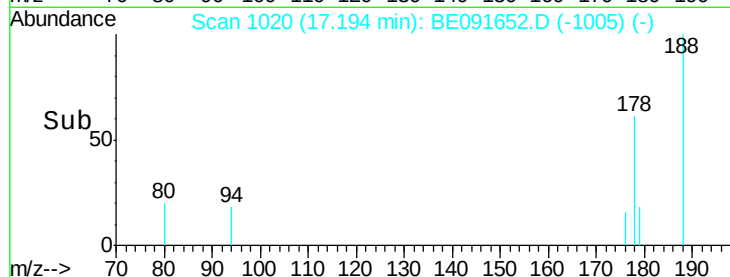
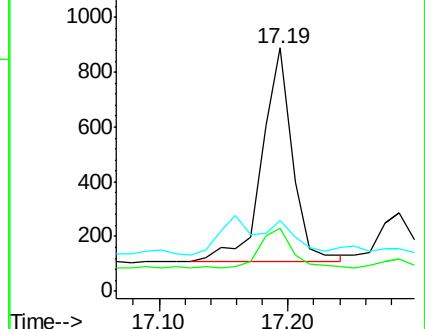
179 0.0 12.6 18.8#



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: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

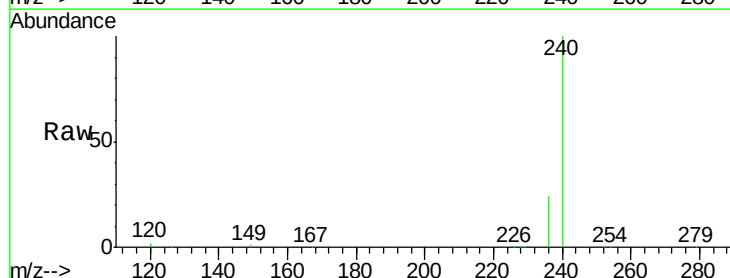
Tgt Ion:240 Resp: 315545

Ion Ratio Lower Upper

240 100

120 1.7 11.0 16.4#

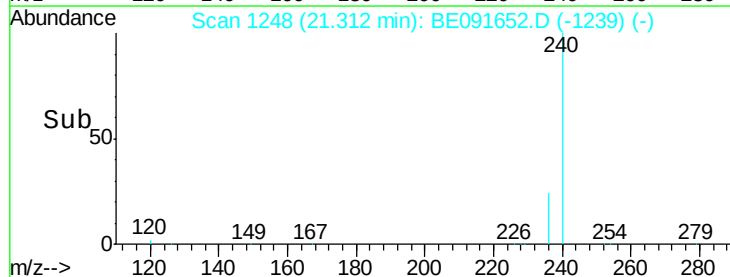
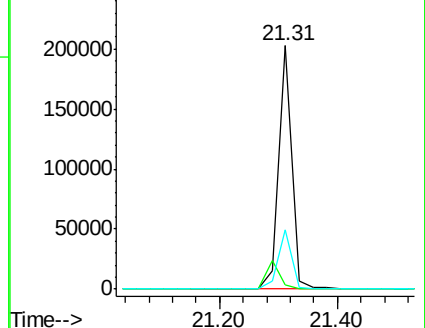
236 24.4 21.7 32.5

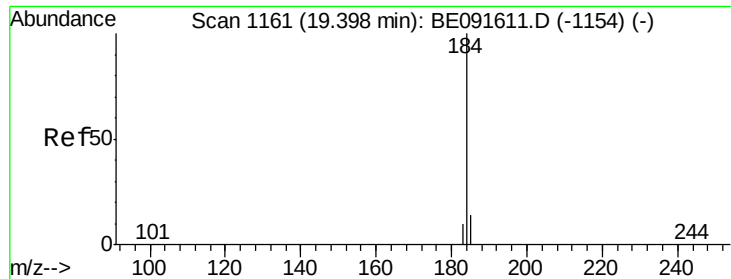


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

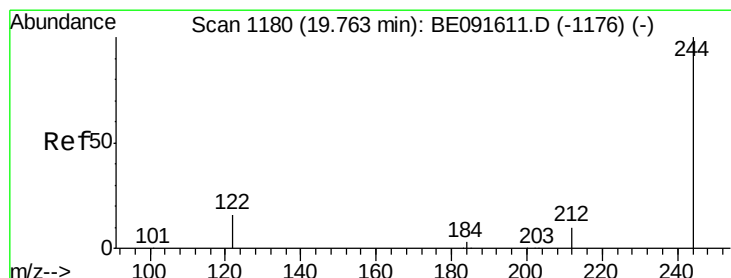
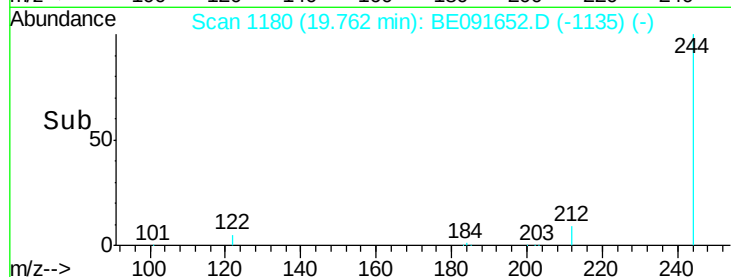
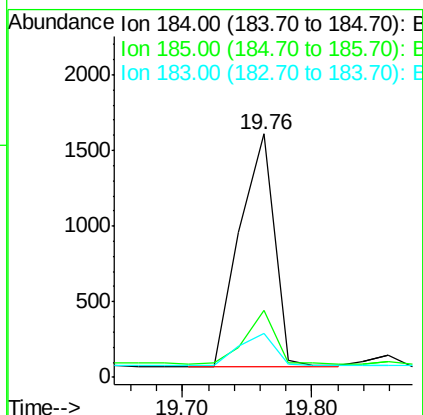
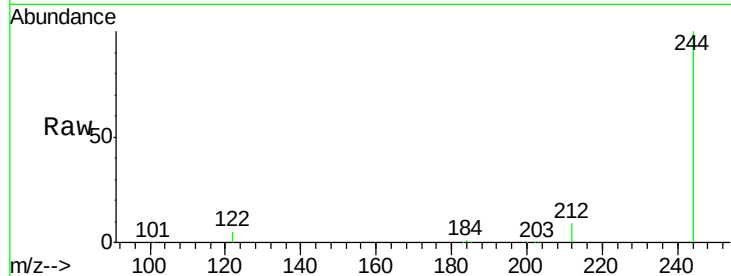




#27
Benzidine
Concen: 0.42 ng
RT: 19.76 min Scan# 1180
Delta R.T. 0.37 min
Lab File: BE091652.D
Acq: 13 Apr 2016 11:54

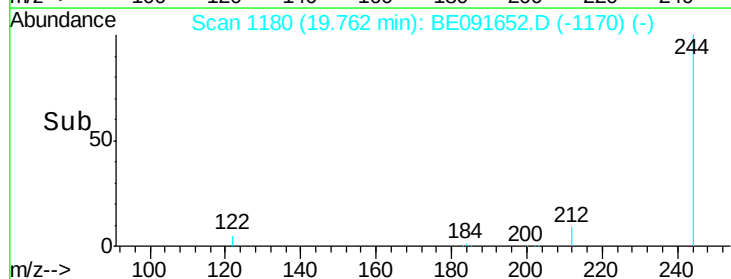
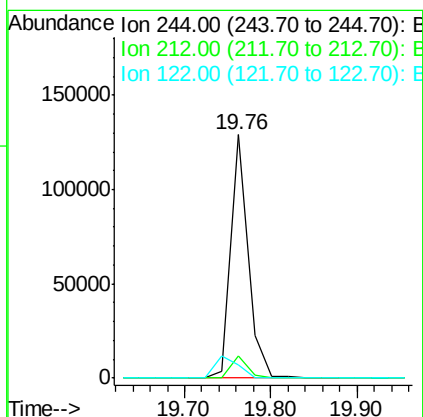
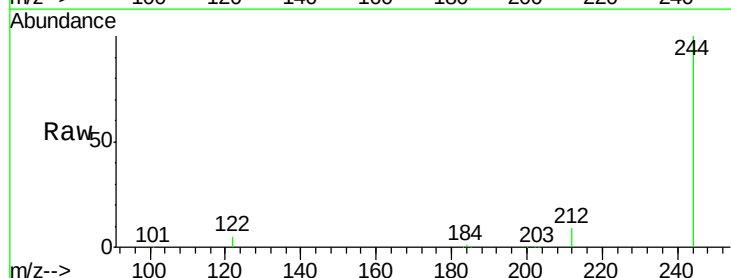
Instrument :
BNA_E
ClientSampleId :
KY038PS037-160330

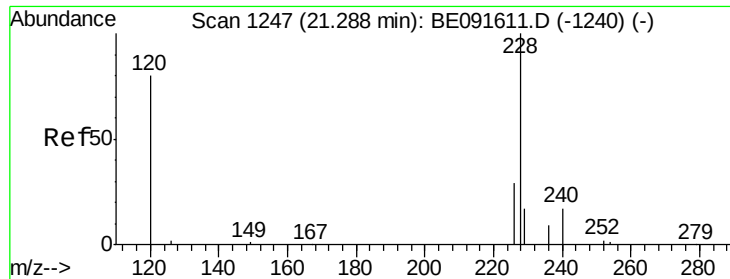
Tgt Ion:184 Resp: 2864
Ion Ratio Lower Upper
184 100
185 27.3 22.3 33.5
183 18.3 16.4 24.6



#29
Terphenyl-d14
Concen: 4.61 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091652.D
Acq: 13 Apr 2016 11:54

Tgt Ion:244 Resp: 181548
Ion Ratio Lower Upper
244 100
212 8.9 6.9 10.3
122 5.2 11.0 16.4#





#30

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160330

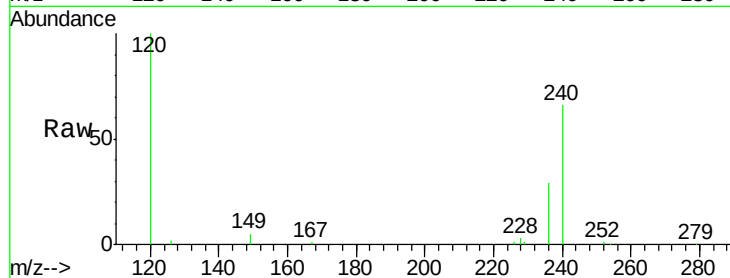
Tgt Ion:228 Resp: 2611

Ion Ratio Lower Upper

228 100

226 31.2 21.0 31.4

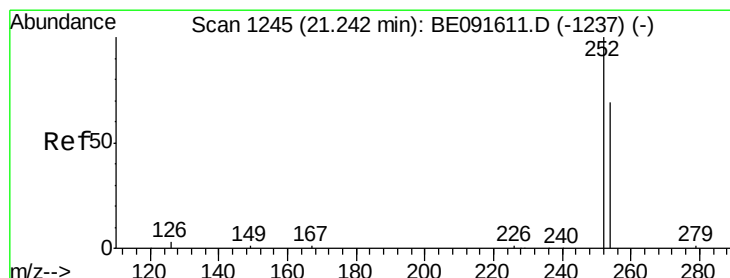
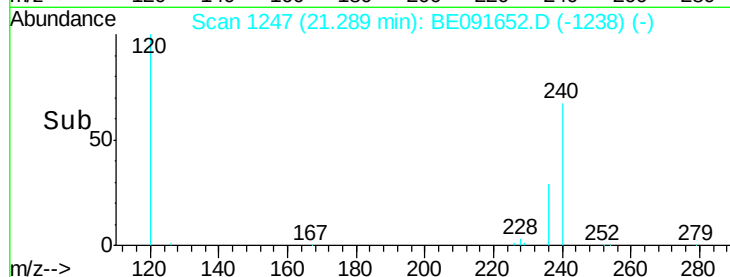
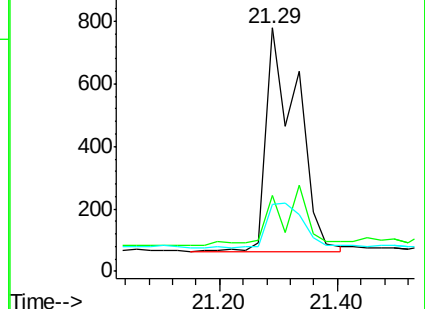
229 27.5 15.7 23.5#



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



#31

3,3'-Dichlorobenzidine

Concen: 0.17 ng

RT: 21.24 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

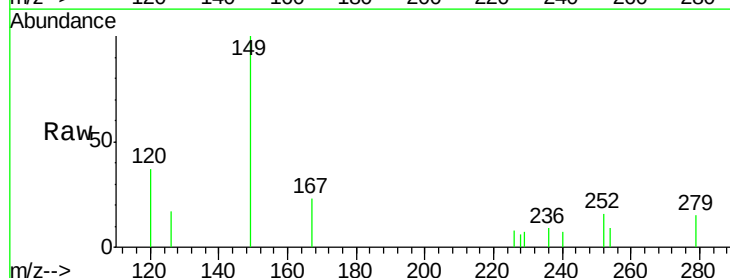
Tgt Ion:252 Resp: 164

Ion Ratio Lower Upper

252 100

254 52.3 51.1 76.7

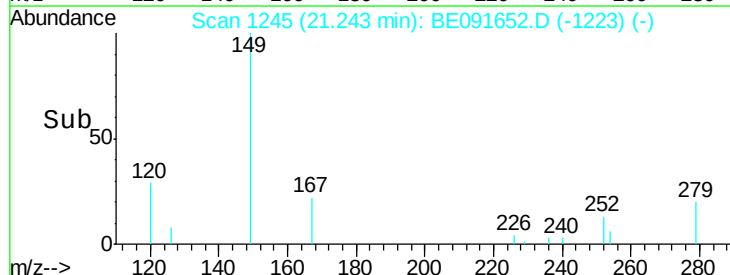
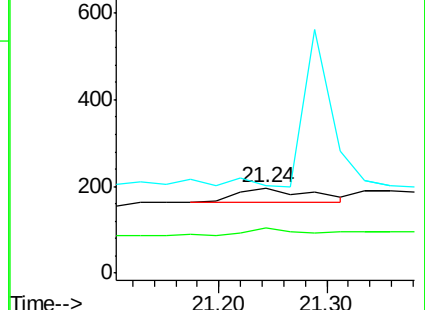
126 102.0 12.6 18.8#

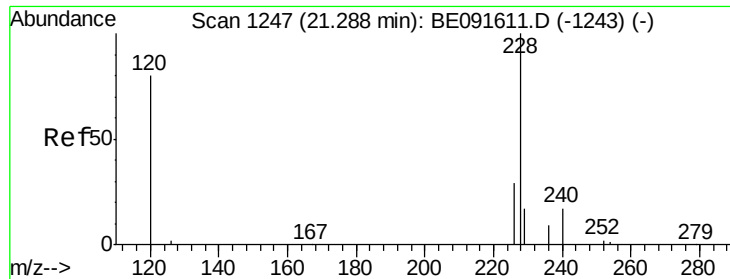


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.04 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.07 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160330

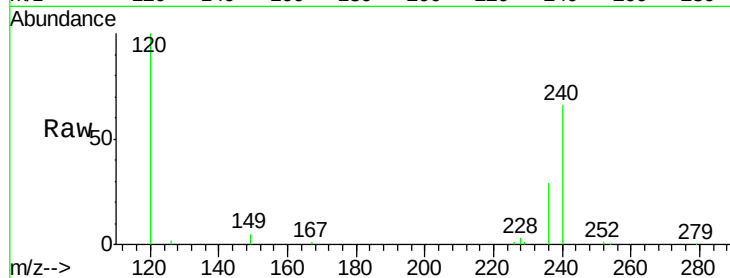
Tgt Ion:228 Resp: 2622

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

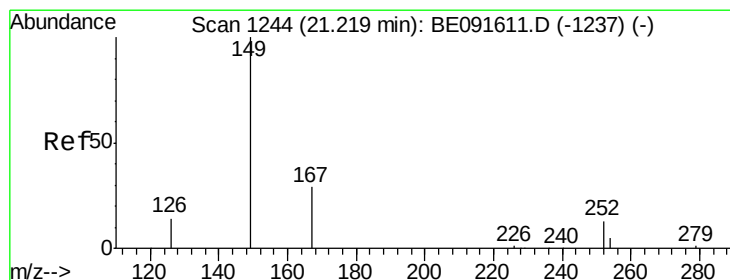
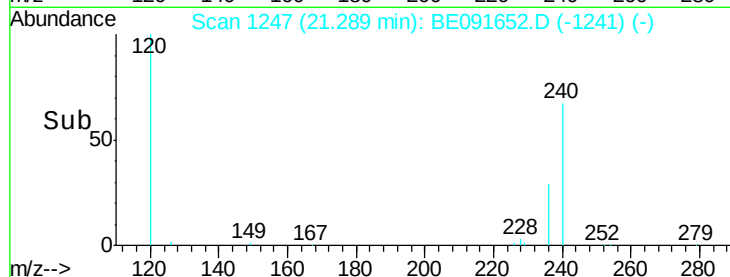
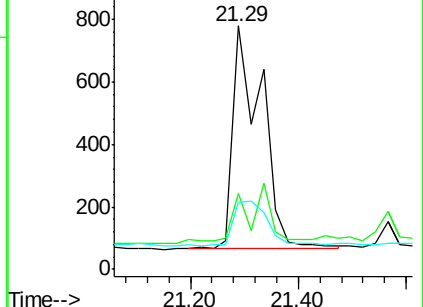
229 27.5 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.79 ng

RT: 21.22 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE091652.D

Acq: 13 Apr 2016 11:54

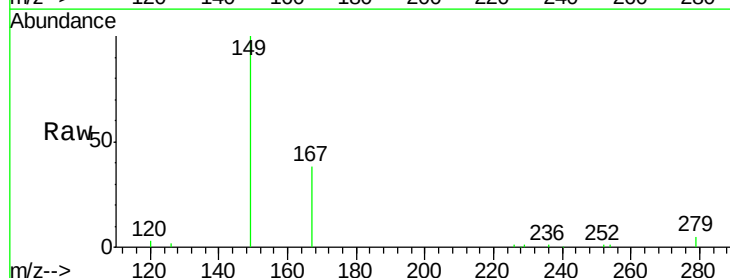
Tgt Ion:149 Resp: 29079

Ion Ratio Lower Upper

149 100

167 31.0 19.5 29.3#

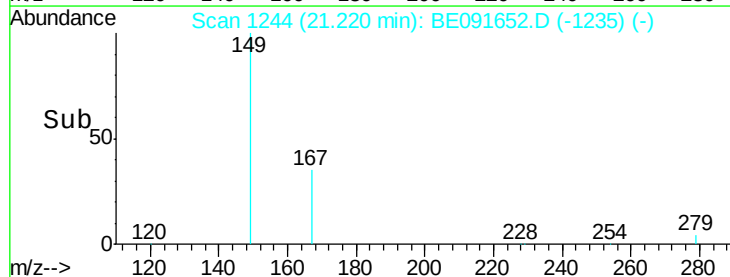
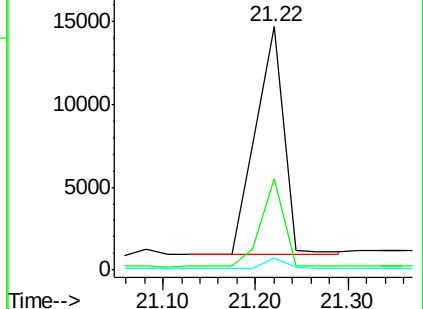
279 3.5 10.0 15.0#

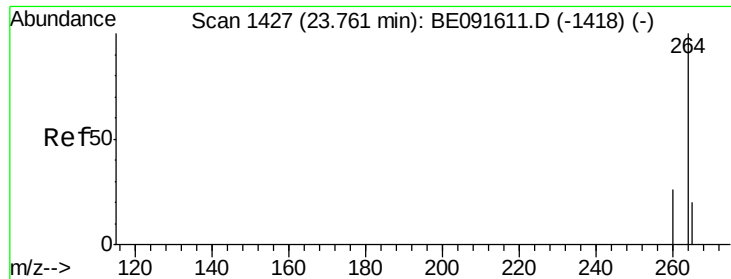


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.75 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BE091652.D

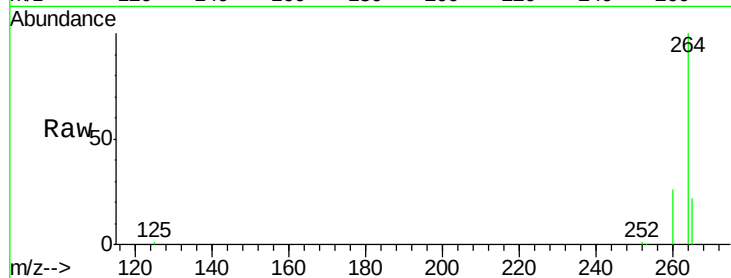
Acq: 13 Apr 2016 11:54

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160330



Tgt Ion:	264	Resp:	295240
Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.0	30.0
265	21.7	17.5	26.3

