

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
 Data File : BE091442.D
 Acq On : 4 Mar 2016 3:05
 Operator : UM/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 04 07:53:09 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 06:35:39 2016
 Response via : Initial Calibration

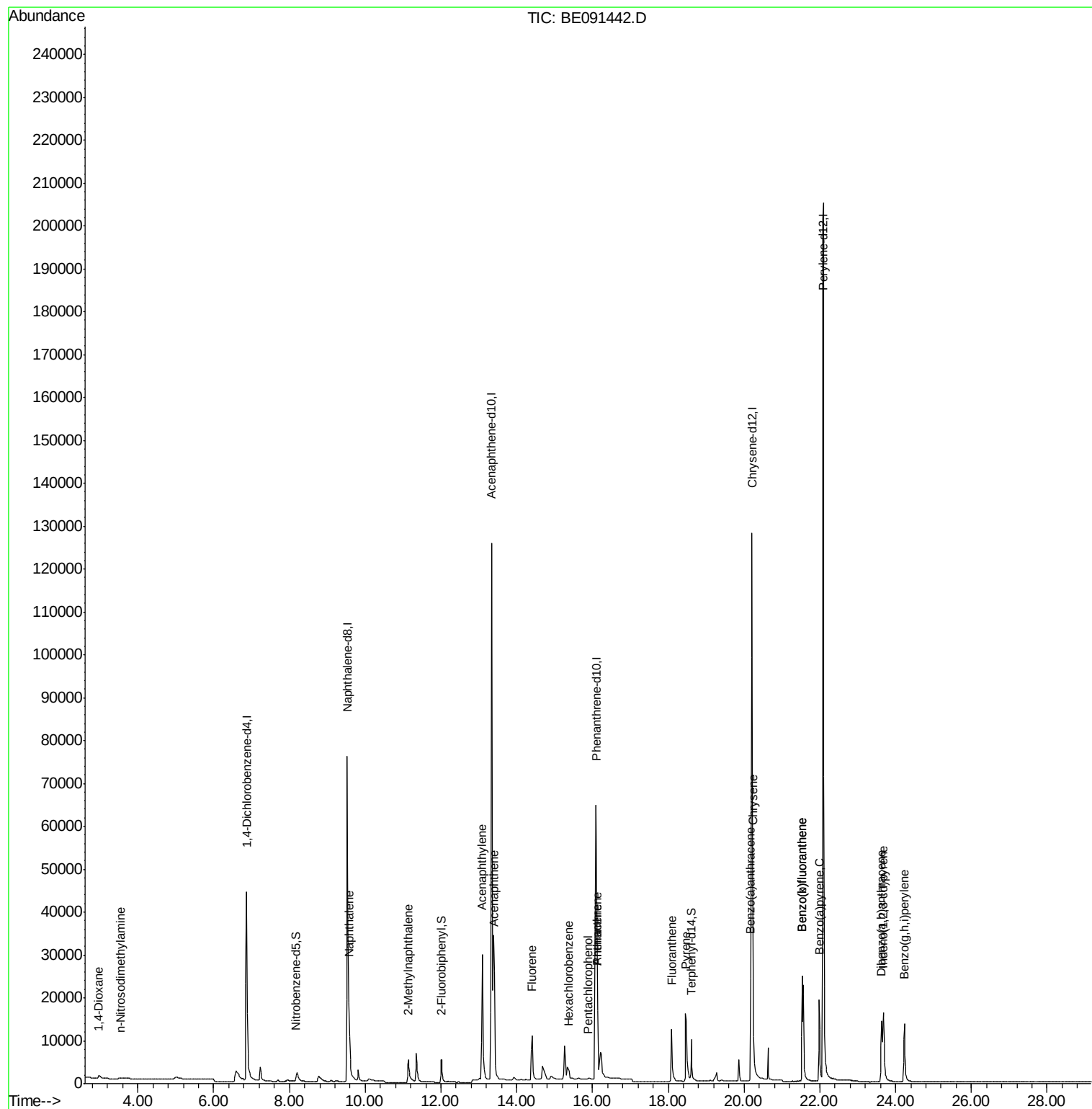
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	31212	5.00	ng	0.00
4) Naphthalene-d8	9.53	136	144764	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	86447	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	146558	5.00	ng	0.00
19) Chrysene-d12	20.21	240	229217	5.00	ng	0.00
25) Perylene-d12	22.09	264	271201	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.18	82	2722	0.40	ng	0.00
9) 2-Fluorobiphenyl	12.01	172	8362	0.40	ng	0.01
21) Terphenyl-d14	18.61	244	14237	0.41	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.97	88	1062	0.38	ng	88
3) n-Nitrosodimethylamine	3.54	42	993	0.42	ng	# 1
6) Naphthalene	9.57	128	13479	0.40	ng	99
7) 2-Methylnaphthalene	11.14	142	9525	0.49	ng	95
10) Acenaphthylene	13.09	152	53402	0.37	ng	99
11) Acenaphthene	13.41	154	10110	0.39	ng	# 100
12) Fluorene	14.41	166	12276	0.37	ng	99
14) Hexachlorobenzene	15.38	284	3160	0.36	ng	# 100
15) Pentachlorophenol	15.89	266	281	0.55	ng	94
16) Phenanthrene	16.13	178	21043	0.41	ng	99
17) Anthracene	16.13	178	33817	0.46	ng	# 79
18) Fluoranthene	18.09	202	23347	0.35	ng	99
20) Pyrene	18.46	202	25233	0.39	ng	99
22) Benzo(a)anthracene	20.17	228	29445	0.37	ng	99
23) Chrysene	20.24	228	33696	0.40	ng	99
24) Indeno(1,2,3-cd)pyrene	23.67	276	30306	0.44	ng	93
26) Benzo(b)fluoranthene	21.54	252	56388	0.75	ng	99
27) Benzo(k)fluoranthene	21.54	252	56794	0.77	ng	95
28) Benzo(a)pyrene	21.99	252	24441	0.37	ng	99
29) Dibenzo(a,h)anthracene	23.63	278	23491	0.38	ng	# 95
30) Benzo(g,h,i)perylene	24.23	276	25828	0.38	ng	100

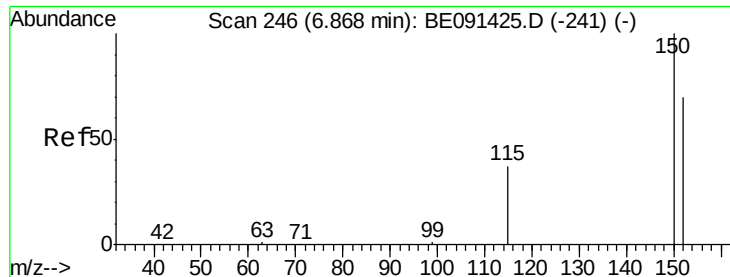
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
Data File : BE091442.D
Acq On : 4 Mar 2016 3:05
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Mar 04 07:53:09 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 06:35:39 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

Instrument :

BNA_E

ClientSampled :

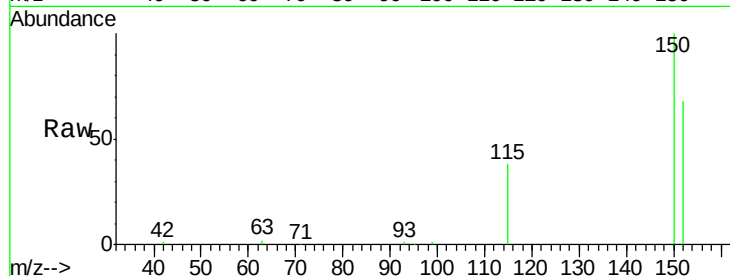
Tgt Ion: 152 Resp: 31212

Ion Ratio Lower Upper

152 100

150 147.4 115.0 172.4

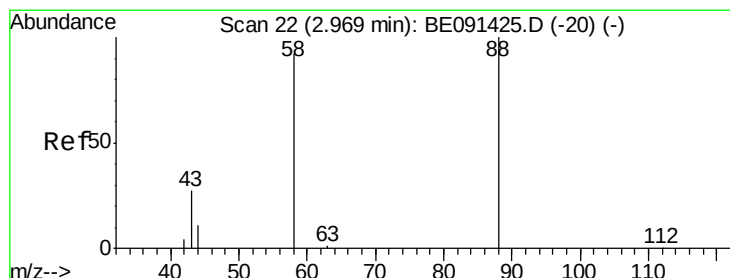
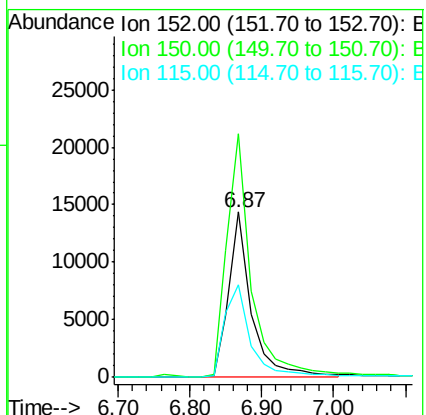
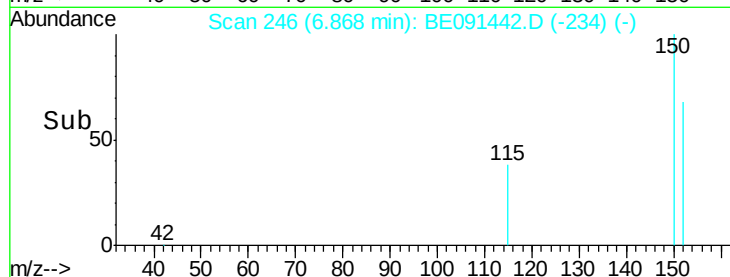
115 55.8 42.2 63.4



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



#2

1,4-Dioxane

Concen: 0.38 ng

RT: 2.97 min Scan# 22

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

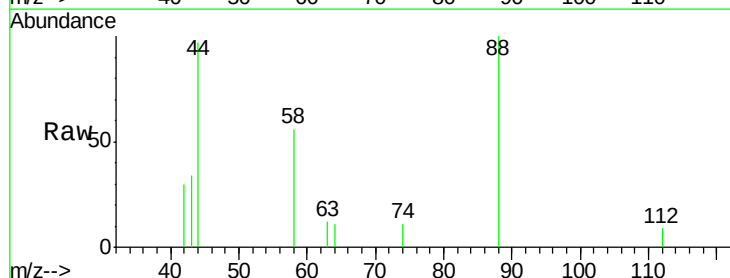
Tgt Ion: 88 Resp: 1062

Ion Ratio Lower Upper

88 100

58 106.6 97.9 146.9

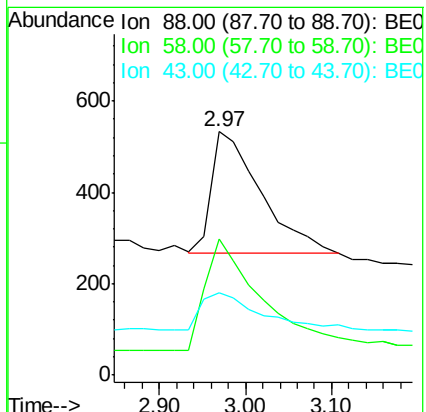
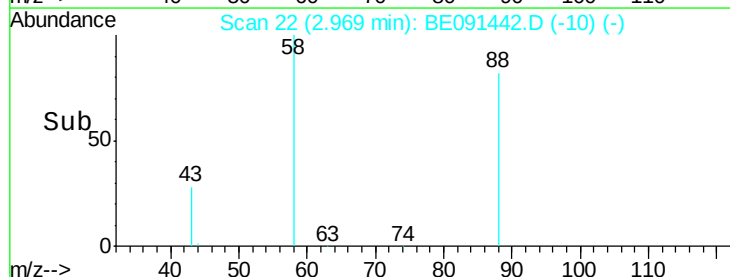
43 34.1 29.0 43.4

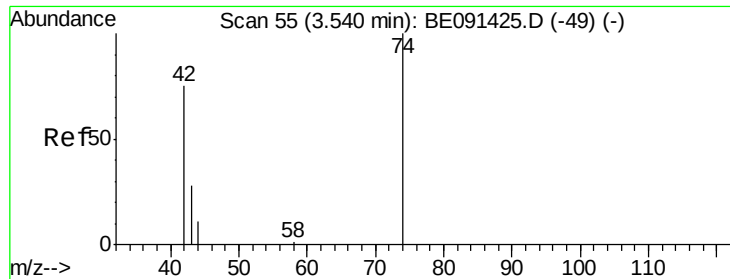


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.42 ng

RT: 3.54 min Scan# 55

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

Instrument :

BNA_E

ClientSampleId :

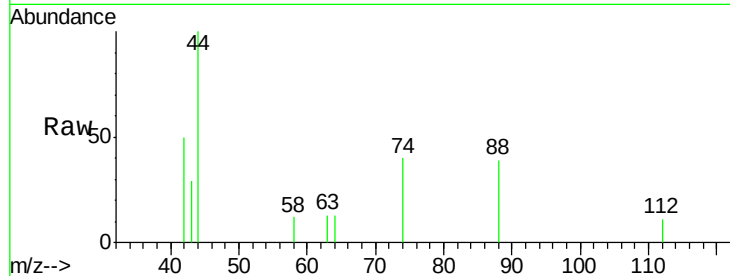
Tgt Ion: 42 Resp: 993

Ion Ratio Lower Upper

42 100

74 0.0 93.8 140.6#

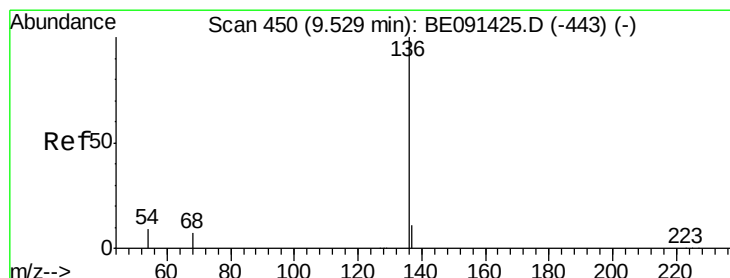
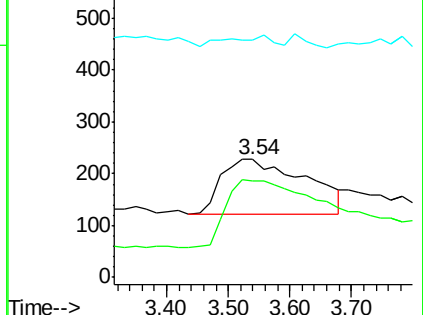
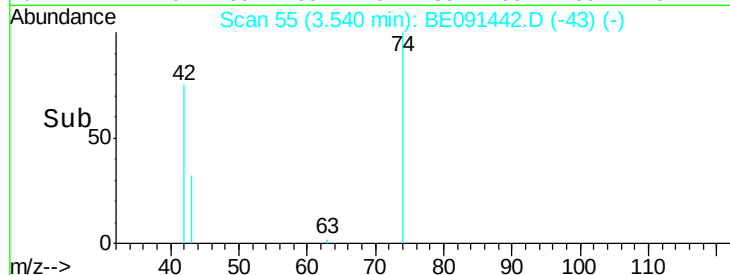
44 10.0 0.0 0.0#



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

Naphthalene-d8

Concen: 5.00 ng

RT: 9.53 min Scan# 450

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

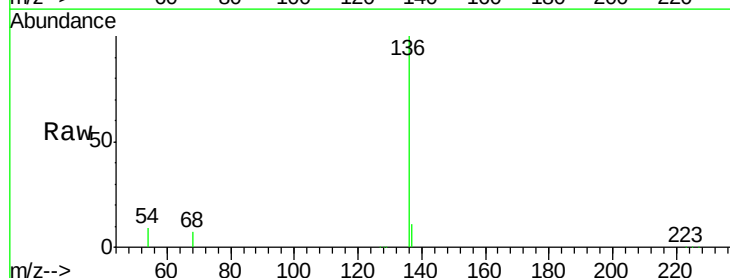
Tgt Ion: 136 Resp: 144764

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

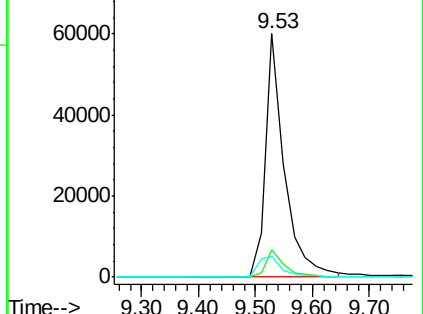
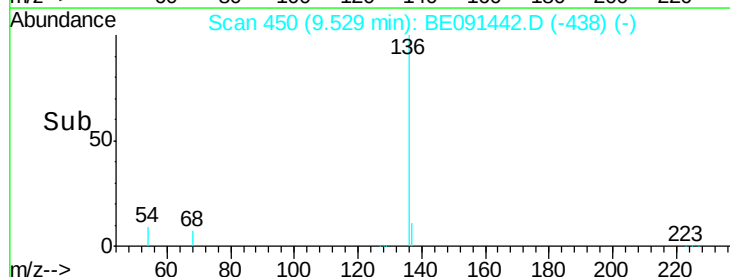
54 8.8 6.9 10.3

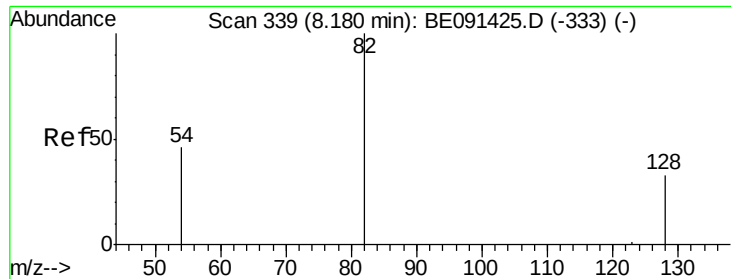


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.40 ng

RT: 8.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

Instrument :

BNA_E

ClientSampleId :

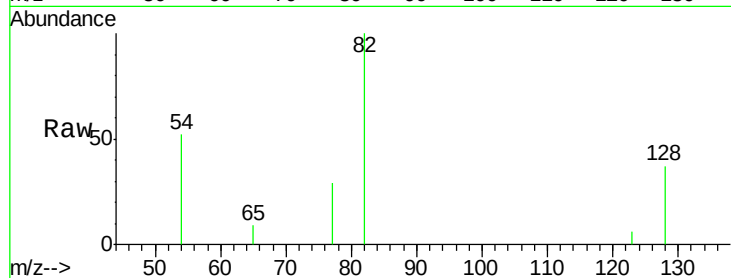
Tgt Ion: 82 Resp: 2722

Ion Ratio Lower Upper

82 100

128 36.5 30.0 45.0

54 52.1 41.5 62.3



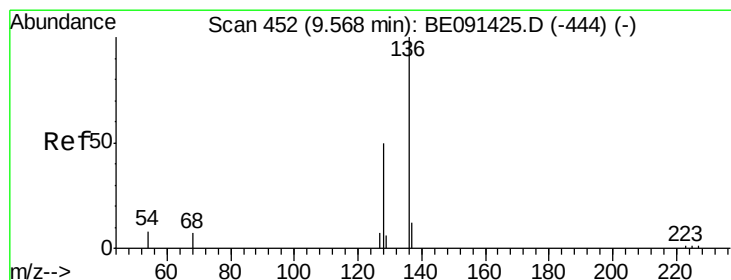
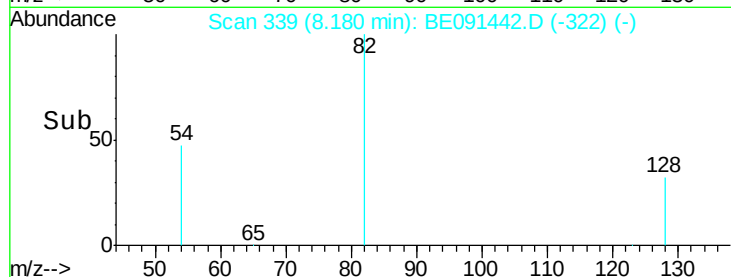
Abundance Ion 82.00 (81.70 to 82.70): BE091442.D (-322) (-)

Ion 128.00 (127.70 to 128.70): BE091442.D (-322) (-)

Ion 54.00 (53.70 to 54.70): BE091442.D (-322) (-)

8.18

Time-->



#6

Naphthalene

Concen: 0.40 ng

RT: 9.57 min Scan# 452

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

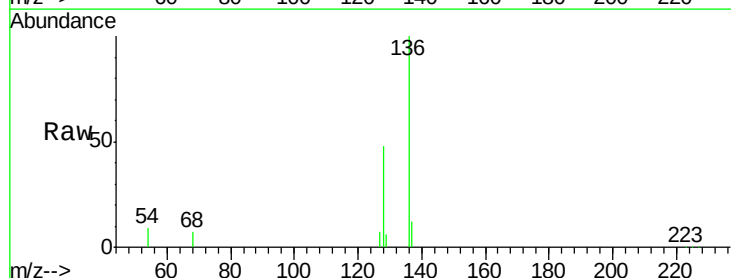
Tgt Ion: 128 Resp: 13479

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

127 14.6 11.4 17.0



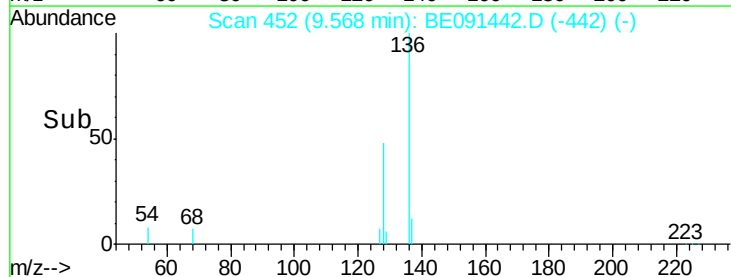
Abundance Ion 128.00 (127.70 to 128.70): BE091442.D (-442) (-)

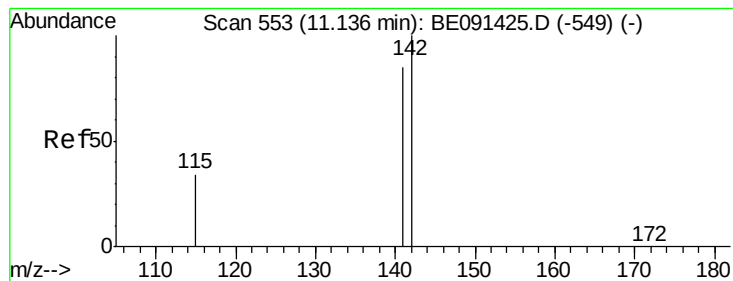
Ion 129.00 (128.70 to 129.70): BE091442.D (-442) (-)

Ion 127.00 (126.70 to 127.70): BE091442.D (-442) (-)

9.57

Time-->





#7

2-Methylnaphthalene

Concen: 0.49 ng

RT: 11.14 min Scan# 553

Delta R.T. 0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

Instrument :

BNA_E

ClientSampleId :

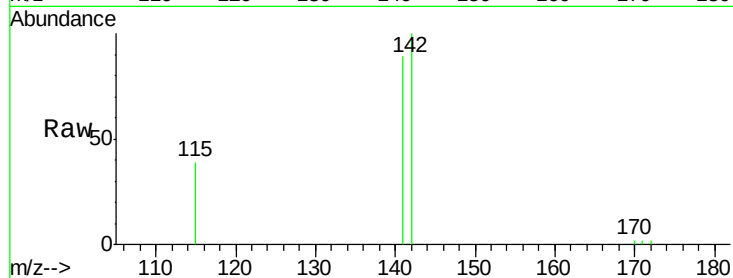
Tgt Ion:142 Resp: 9525

Ion Ratio Lower Upper

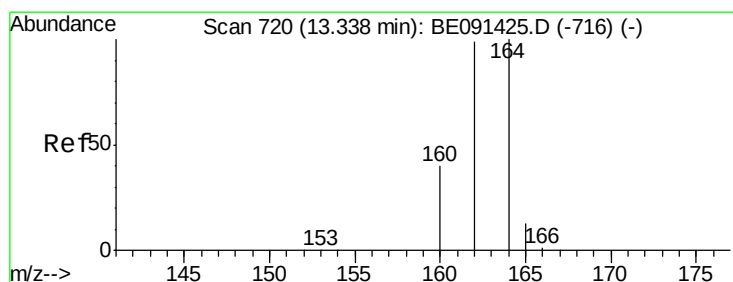
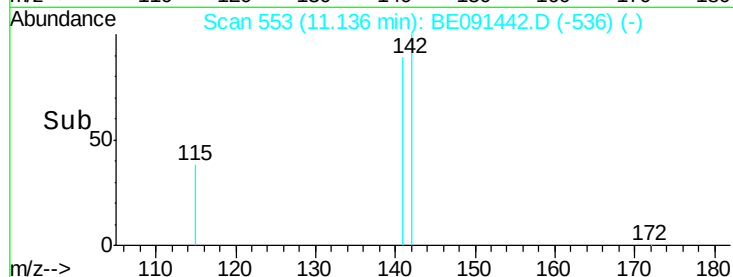
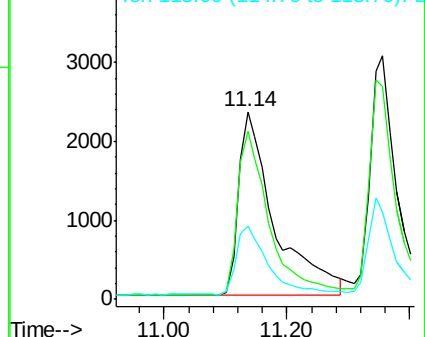
142 100

141 89.5 68.3 102.5

115 39.3 28.9 43.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.34 min Scan# 720

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

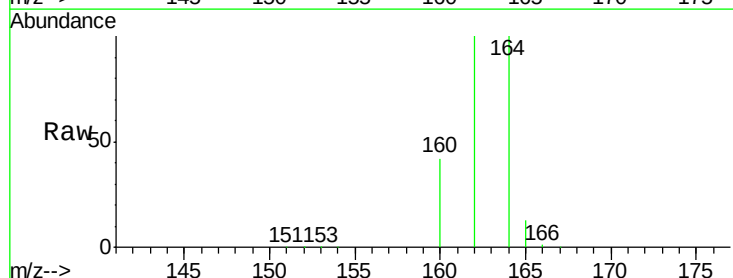
Tgt Ion:164 Resp: 86447

Ion Ratio Lower Upper

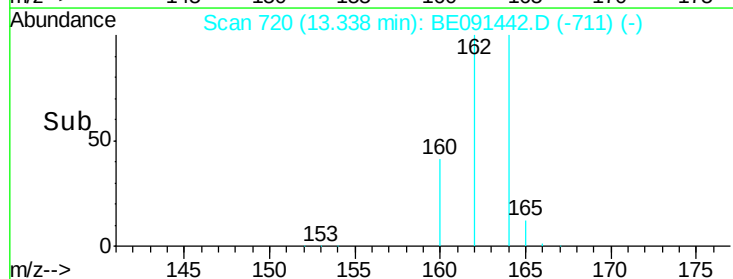
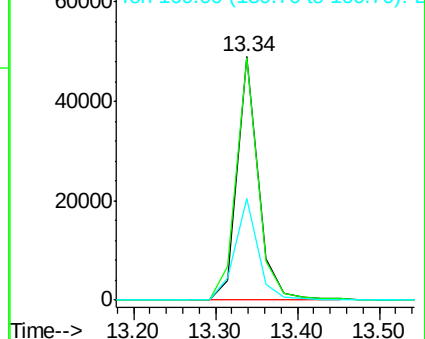
164 100

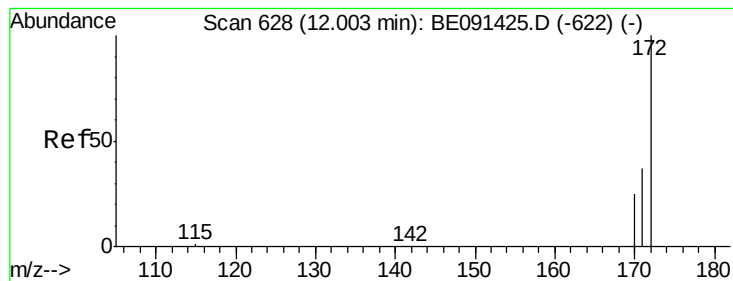
162 99.7 79.1 118.7

160 41.5 32.4 48.6



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





#9

2-Fluorobiphenyl

Concen: 0.40 ng

RT: 12.01 min Scan# 629

Delta R.T. 0.01 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

Instrument :

BNA_E

ClientSampleId :

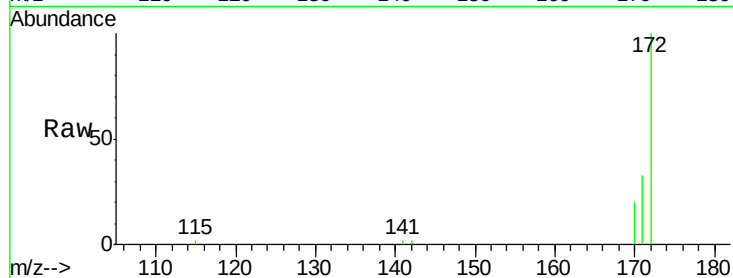
Tgt Ion:172 Resp: 8362

Ion Ratio Lower Upper

172 100

171 32.8 30.2 45.4

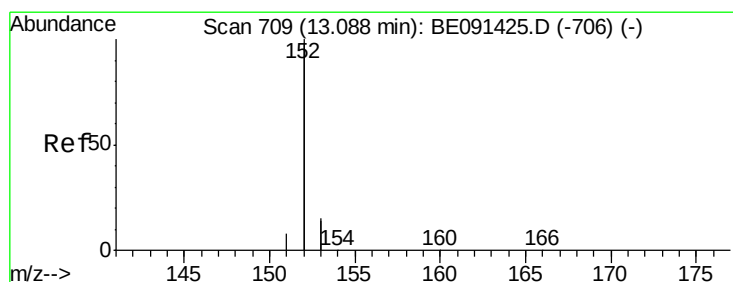
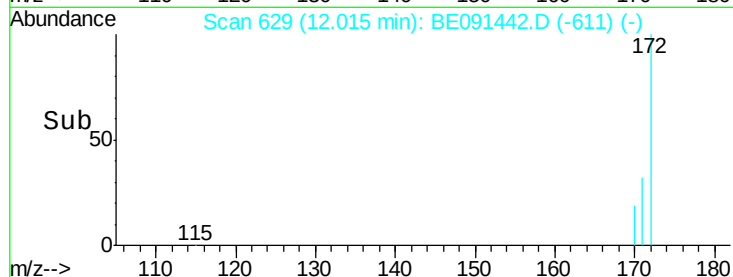
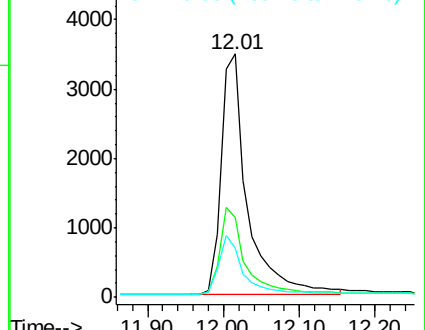
170 20.0 20.9 31.3#



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



#10

Acenaphthylene

Concen: 0.37 ng

RT: 13.09 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

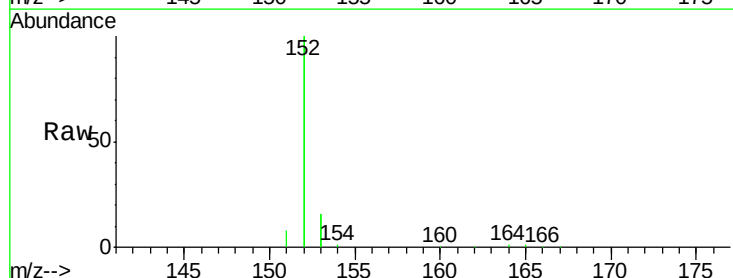
Tgt Ion:152 Resp: 53402

Ion Ratio Lower Upper

152 100

151 4.7 3.9 5.9

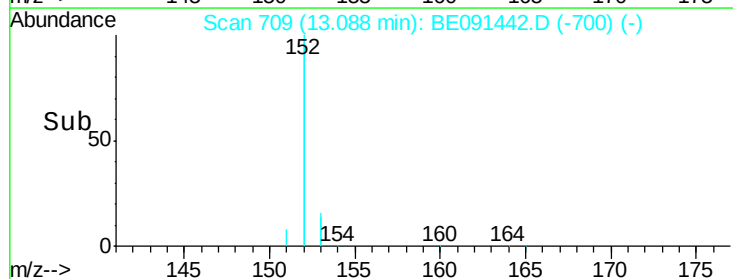
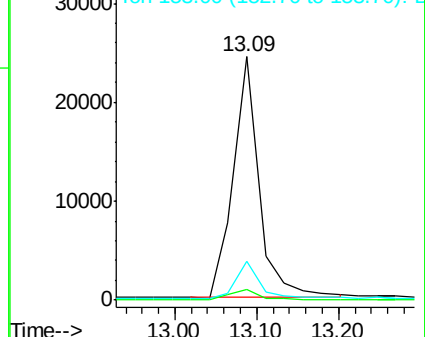
153 13.7 10.5 15.7

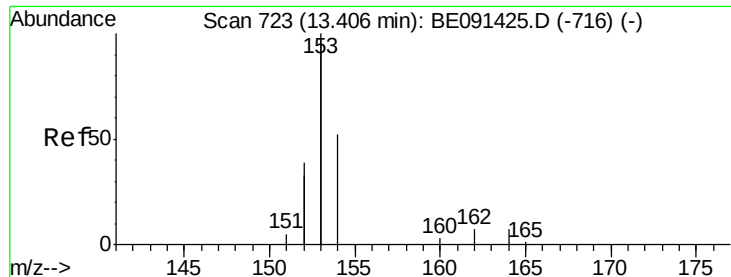


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.39 ng

RT: 13.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

Instrument :

BNA_E

ClientSampleId :

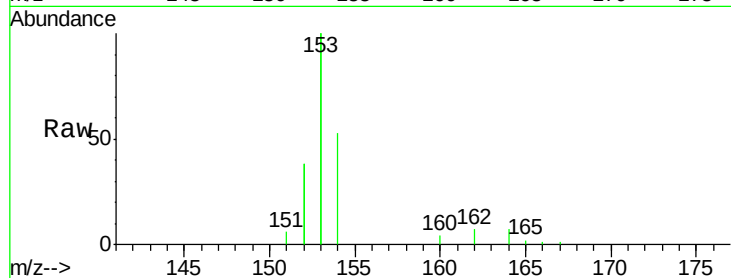
Tgt Ion:154 Resp: 10110

Ion Ratio Lower Upper

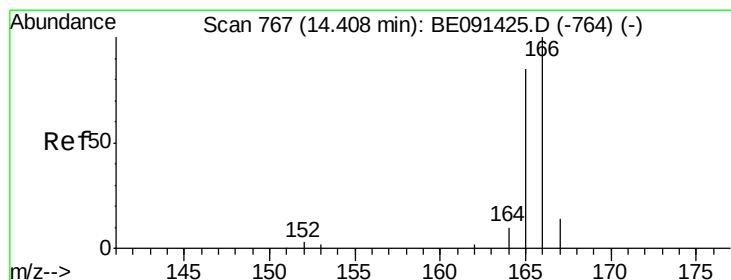
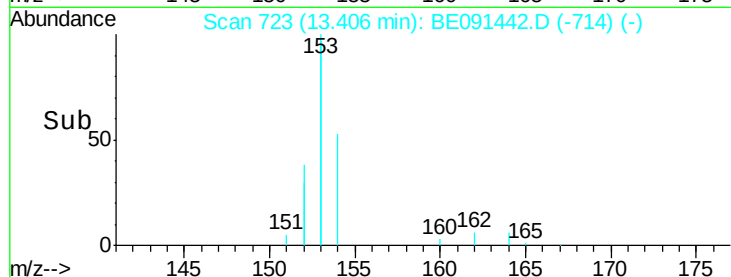
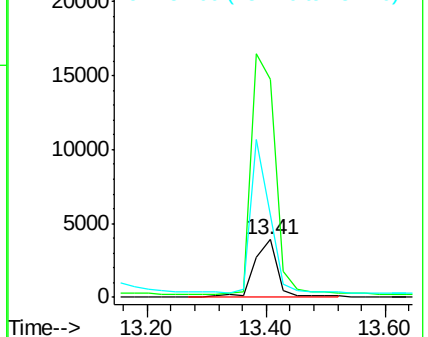
154 100

153 0.0 0.0 0.0

152 0.0 0.0 0.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.37 ng

RT: 14.41 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

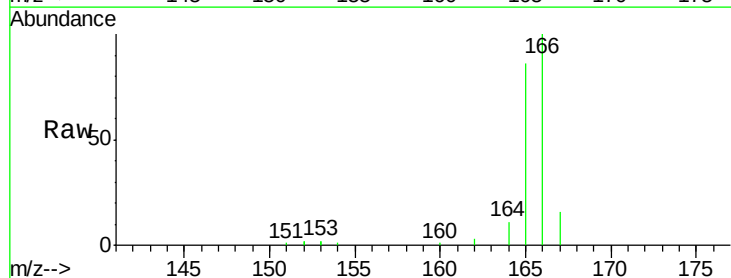
Tgt Ion:166 Resp: 12276

Ion Ratio Lower Upper

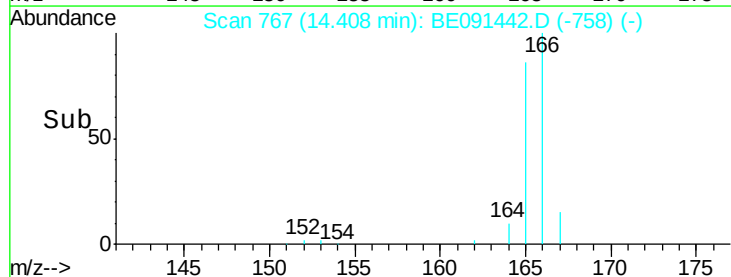
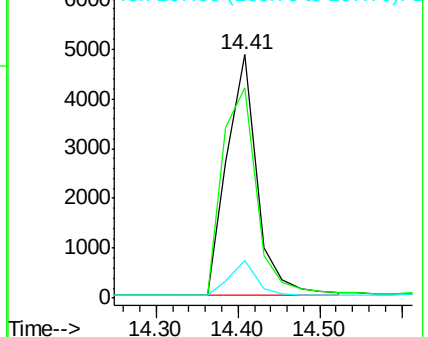
166 100

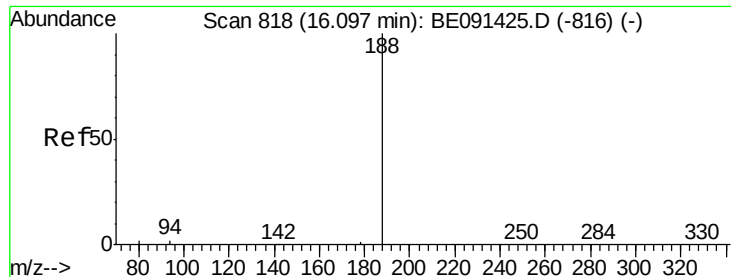
165 98.6 79.4 119.2

167 13.5 10.7 16.1



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

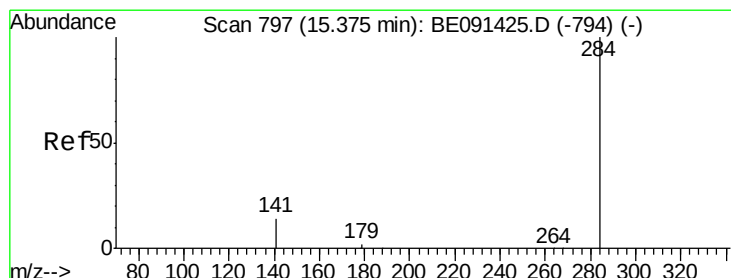
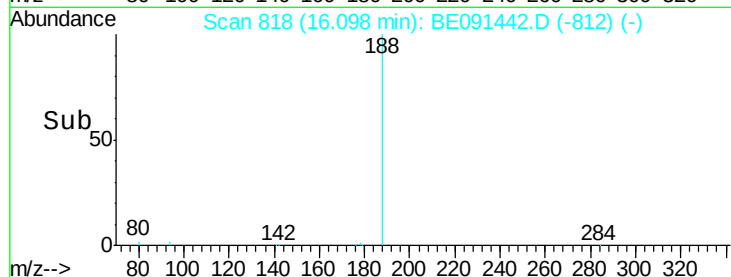
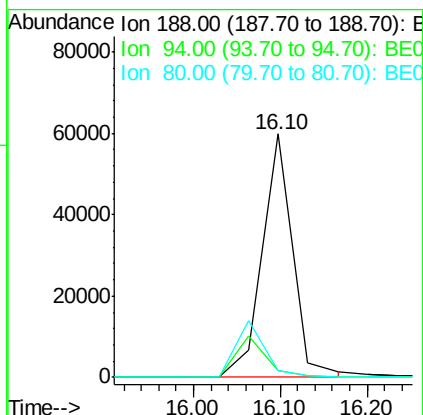
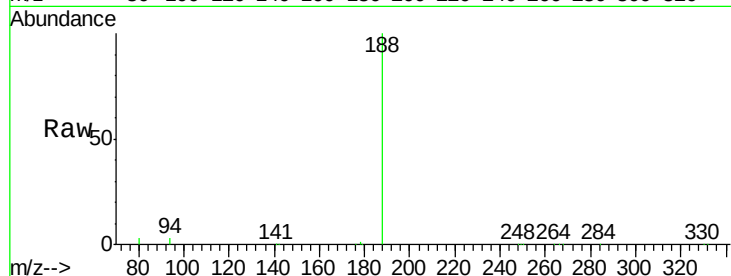




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.10 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE091442.D
Acq: 4 Mar 2016 3:05

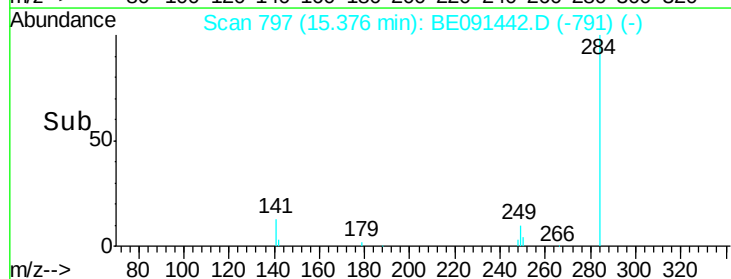
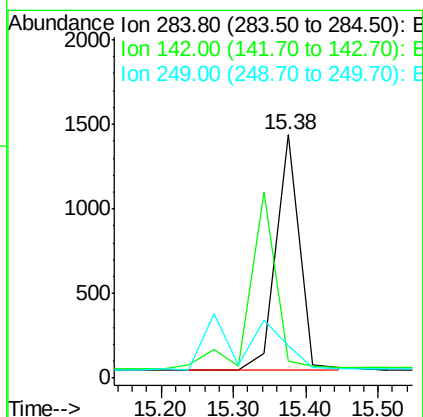
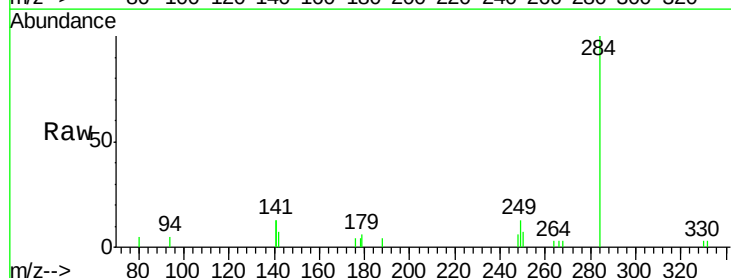
Instrument :
BNA_E
ClientSampleId :

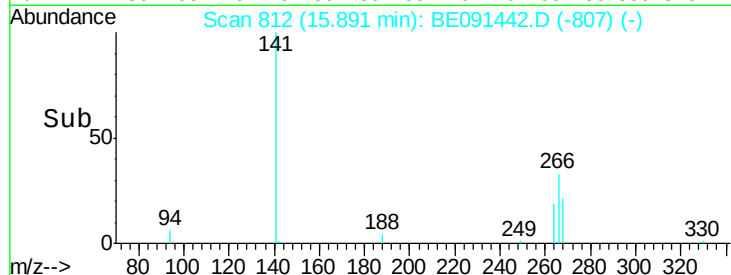
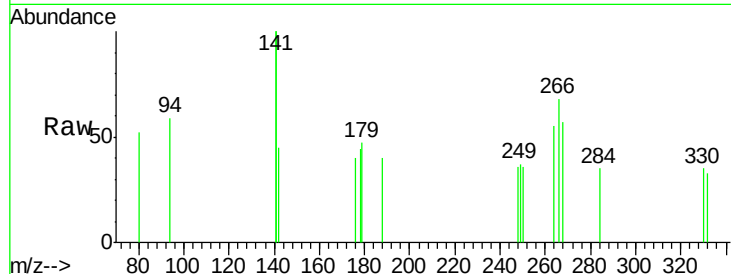
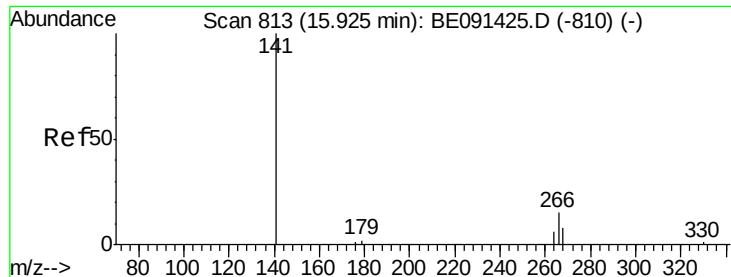
Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.6	2.1	3.1
80	2.6	1.9	2.9



#14
Hexachlorobenzene
Concen: 0.36 ng
RT: 15.38 min Scan# 797
Delta R.T. 0.00 min
Lab File: BE091442.D
Acq: 4 Mar 2016 3:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0

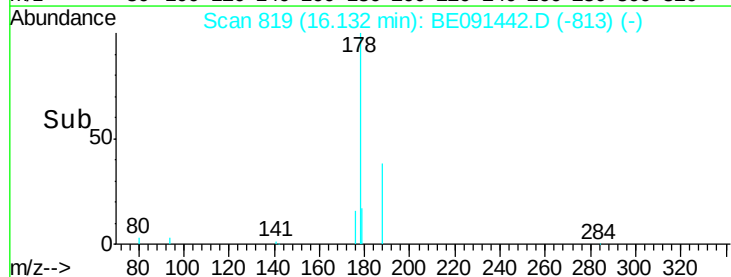
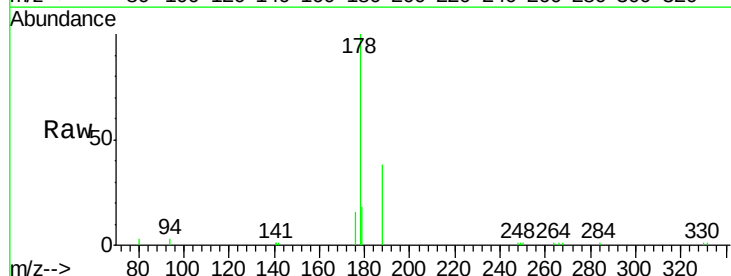
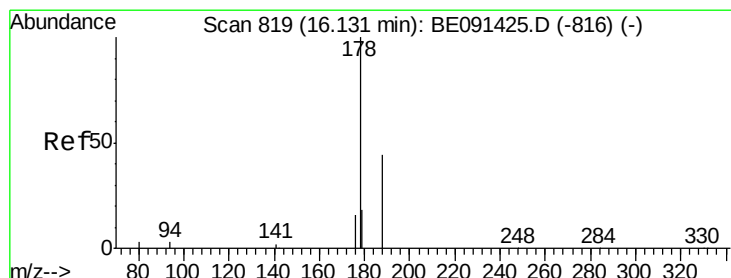
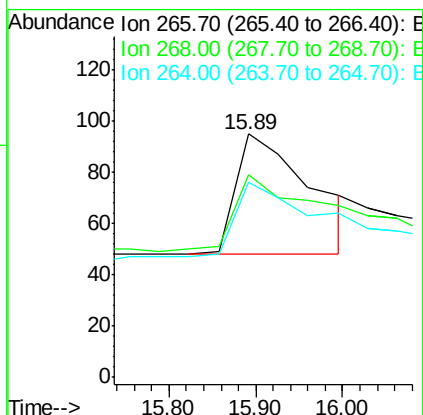




#15
 Pentachlorophenol
 Concen: 0.55 ng
 RT: 15.89 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

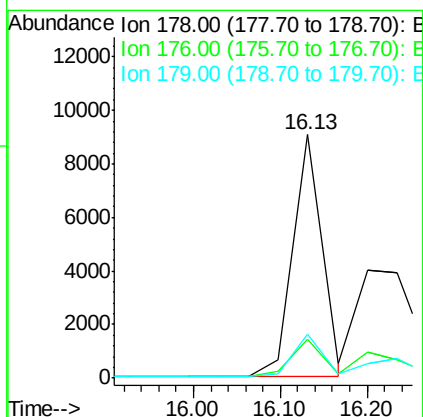
Instrument :
 BNA_E
 ClientSampled :

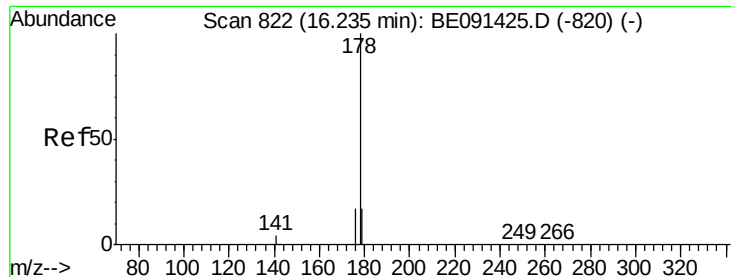
Tgt Ion: 266 Resp: 281
 Ion Ratio Lower Upper
 266 100
 268 83.2 73.0 109.6
 264 80.0 66.1 99.1



#16
 Phenanthrene
 Concen: 0.41 ng
 RT: 16.13 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

Tgt Ion: 178 Resp: 21043
 Ion Ratio Lower Upper
 178 100
 176 16.7 13.8 20.8
 179 17.4 14.2 21.4

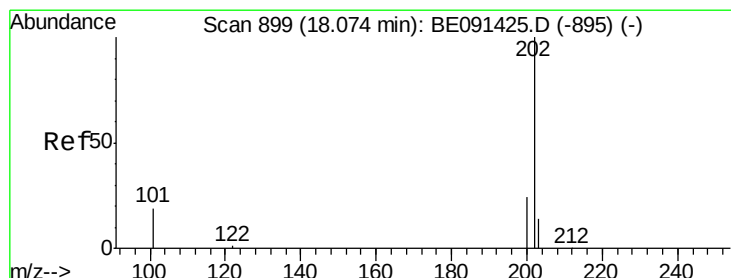
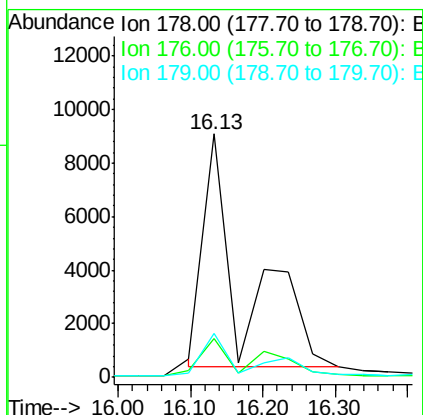
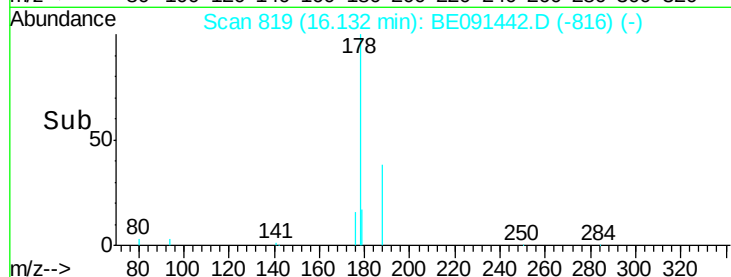
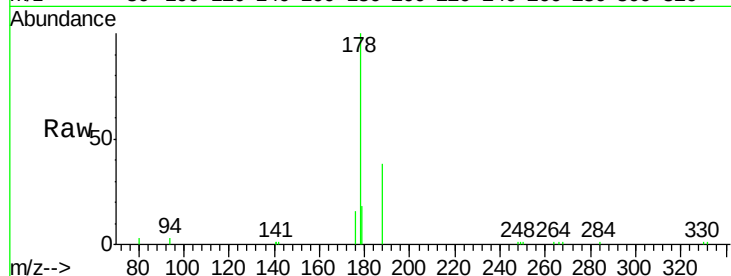




#17
 Anthracene
 Concen: 0.46 ng
 RT: 16.13 min Scan# 819
 Delta R.T. -0.10 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

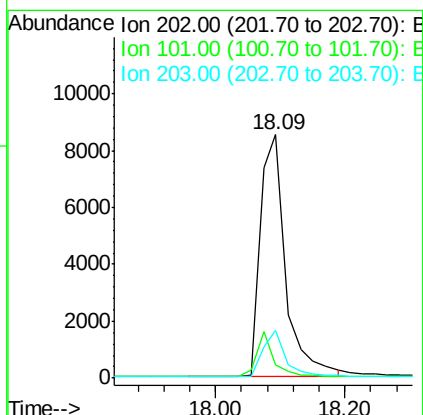
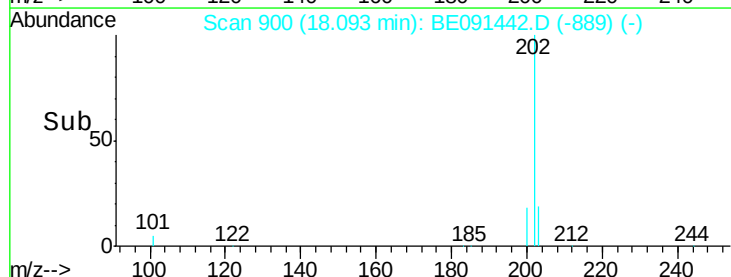
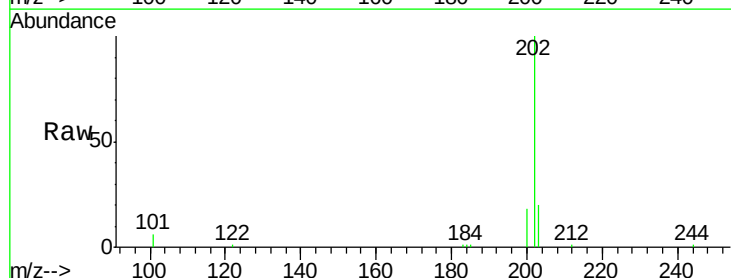
Instrument :
 BNA_E
 ClientSampleId :

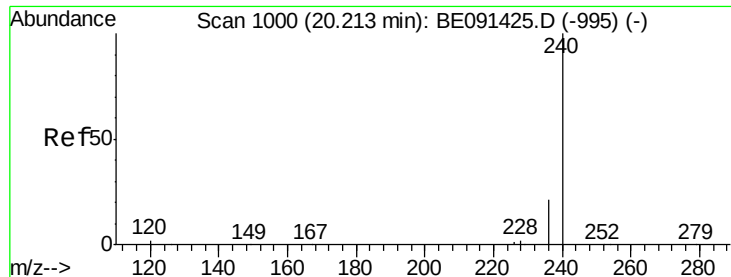
Tgt Ion:178 Resp: 33817
 Ion Ratio Lower Upper
 178 100
 176 17.8 24.4 36.6#
 179 10.8 14.8 22.2#



#18
 Fluoranthene
 Concen: 0.35 ng
 RT: 18.09 min Scan# 900
 Delta R.T. 0.02 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

Tgt Ion:202 Resp: 23347
 Ion Ratio Lower Upper
 202 100
 101 13.3 11.0 16.6
 203 17.2 13.7 20.5





#19

Chrysene-d12

Concen: 5.00 ng

RT: 20.21 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

Instrument :

BNA_E

ClientSampleId :

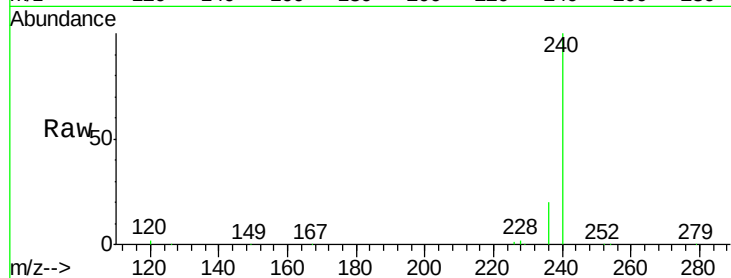
Tgt Ion:240 Resp: 229217

Ion Ratio Lower Upper

240 100

120 1.7 1.4 2.0

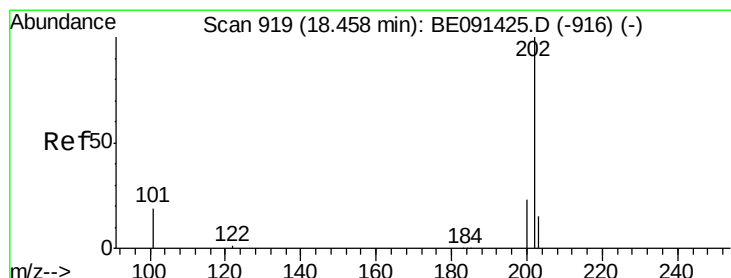
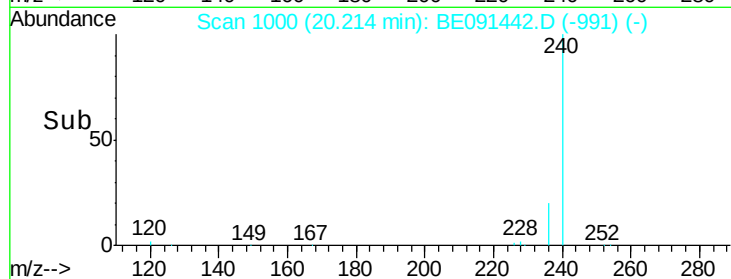
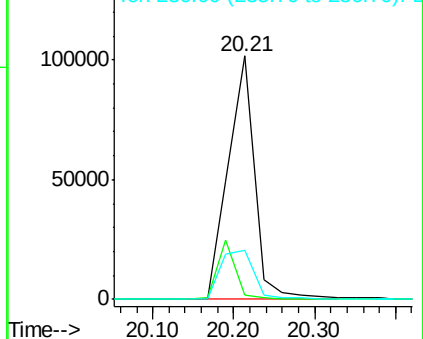
236 20.3 16.7 25.1



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



#20

Pyrene

Concen: 0.39 ng

RT: 18.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

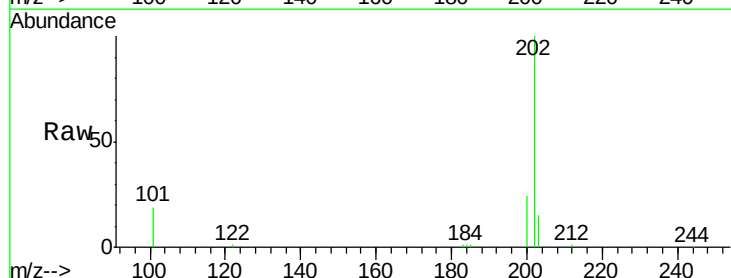
Tgt Ion:202 Resp: 25233

Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

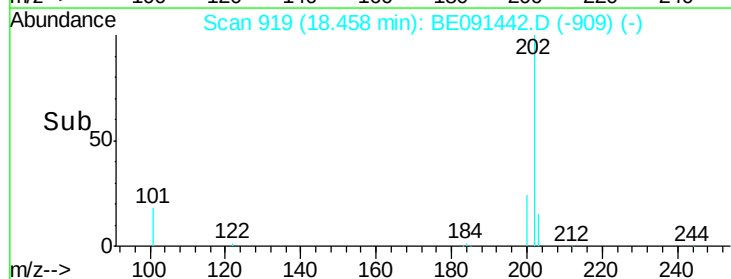
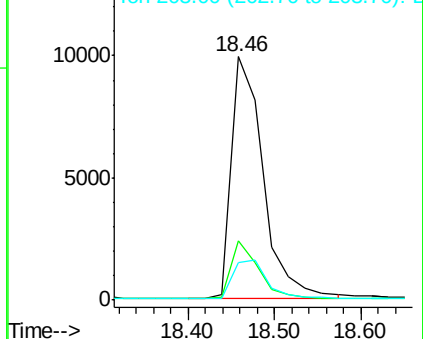
203 17.4 13.8 20.6

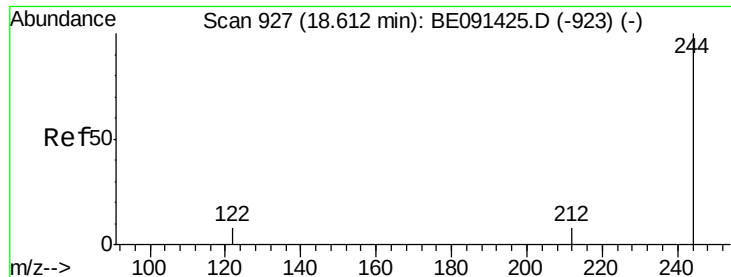


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

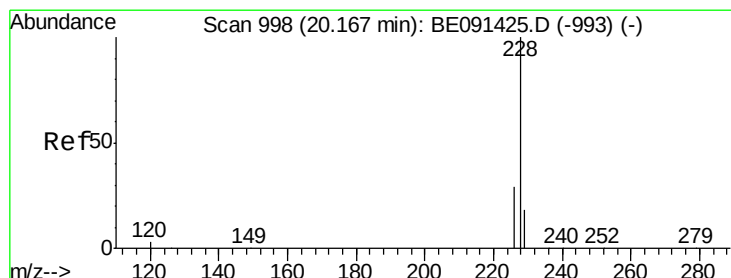
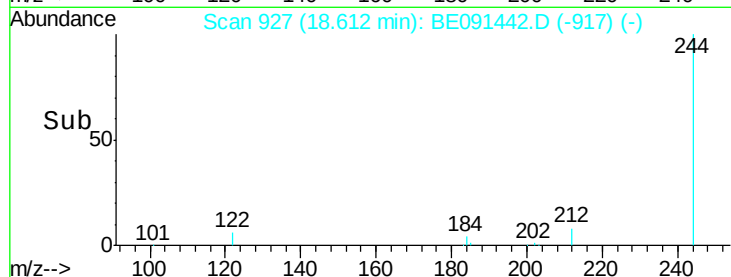
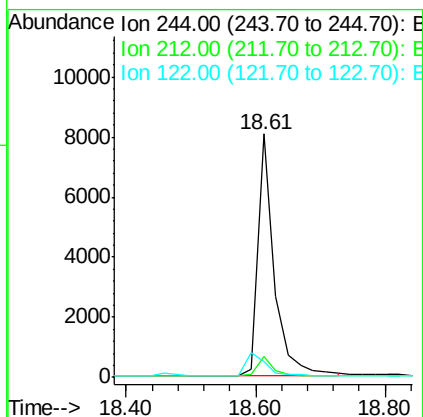
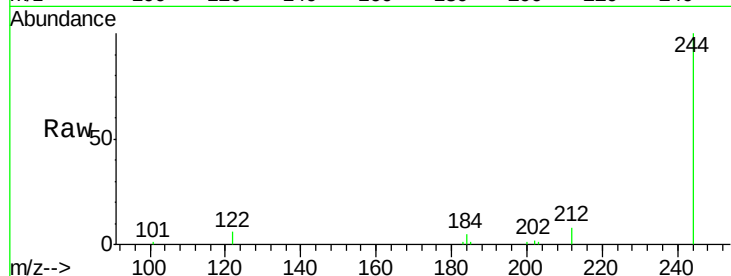




#21
 Terphenyl-d14
 Concen: 0.41 ng
 RT: 18.61 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

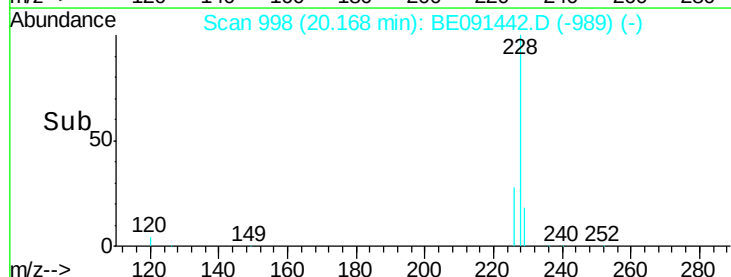
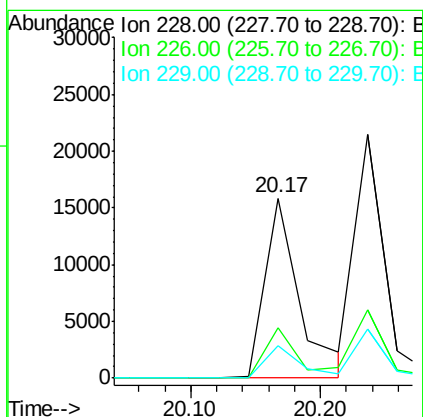
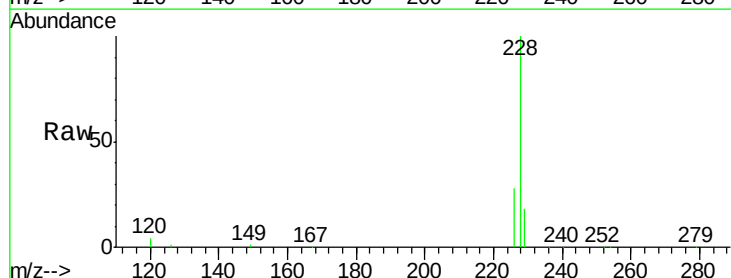
Instrument :
 BNA_E
 ClientSampled :

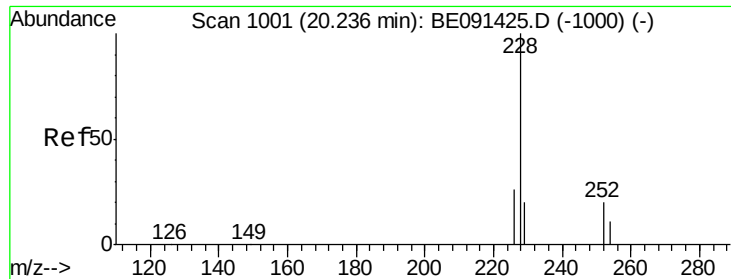
Tgt Ion:244 Resp: 14237
 Ion Ratio Lower Upper
 244 100
 212 8.4 7.0 10.6
 122 6.3 6.8 10.2#



#22
 Benzo(a)anthracene
 Concen: 0.37 ng
 RT: 20.17 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

Tgt Ion:228 Resp: 29445
 Ion Ratio Lower Upper
 228 100
 226 28.2 23.1 34.7
 229 18.1 14.5 21.7

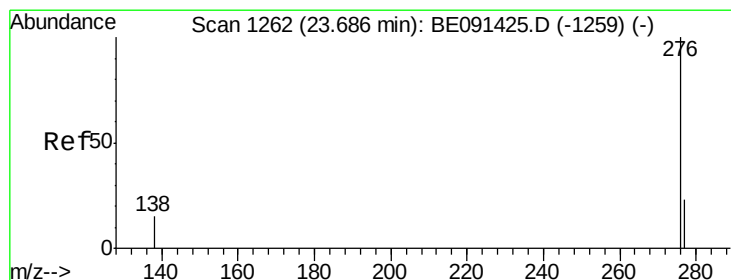
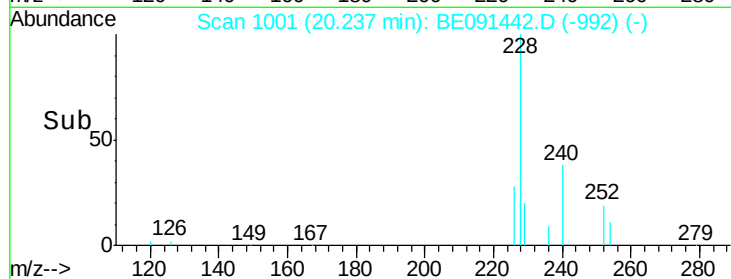
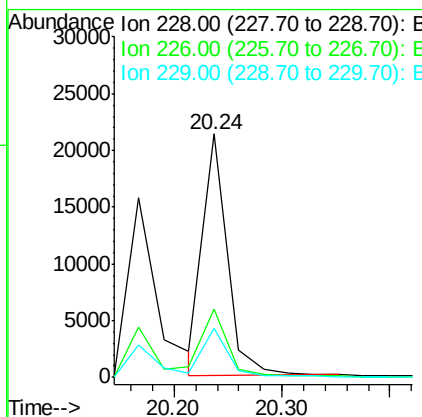
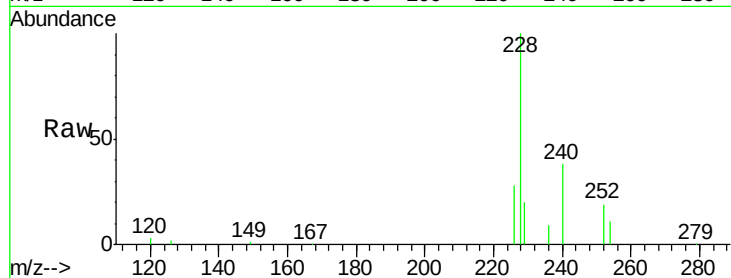




#23
 Chrysene
 Concen: 0.40 ng
 RT: 20.24 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

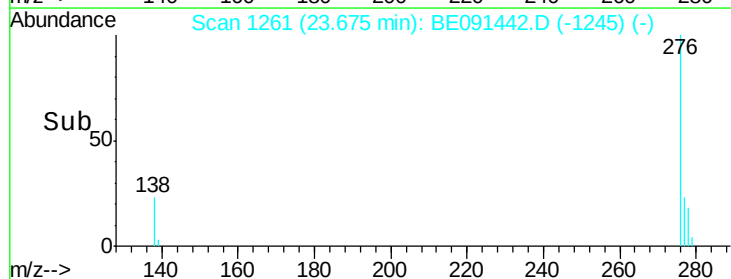
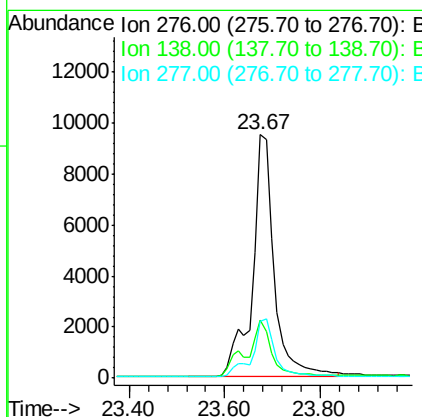
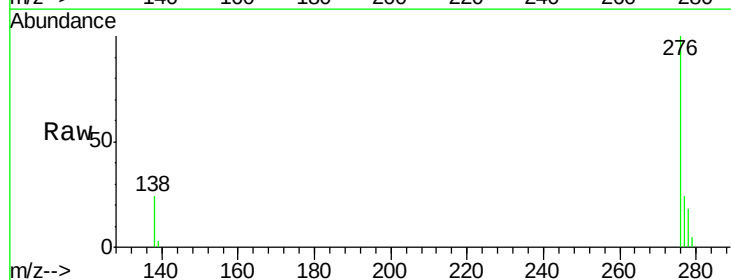
Instrument :
 BNA_E
 ClientSampleId :

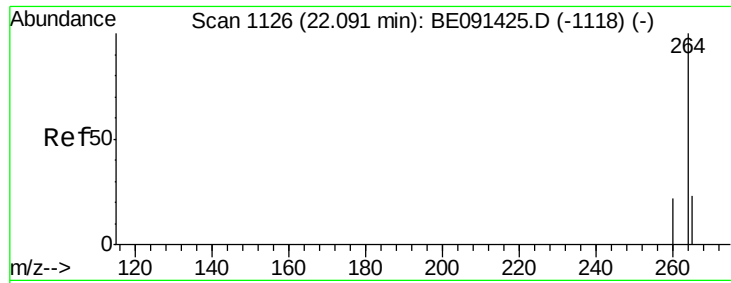
Tgt Ion: 228 Resp: 33696
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.0 33.0
 229 20.0 16.2 24.2



#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.44 ng
 RT: 23.67 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

Tgt Ion: 276 Resp: 30306
 Ion Ratio Lower Upper
 276 100
 138 17.1 16.1 24.1
 277 24.8 22.9 34.3

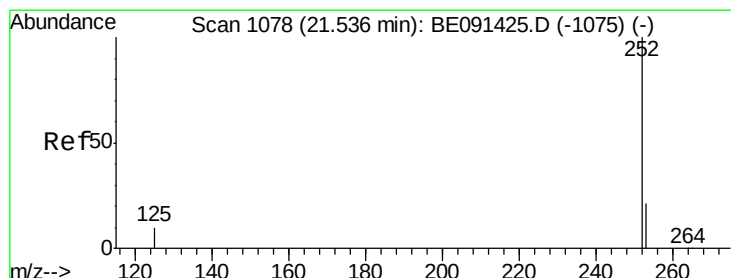
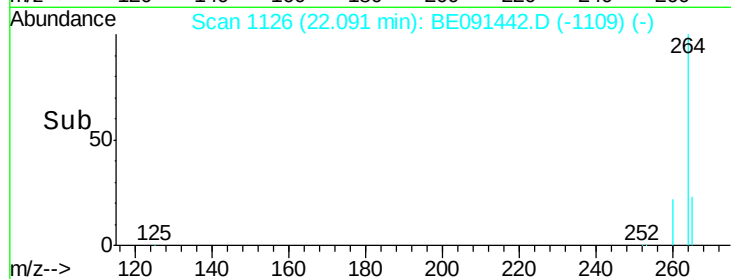
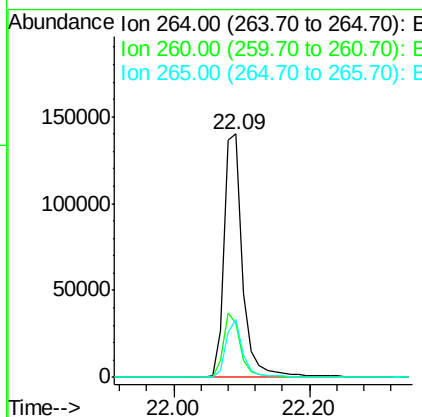
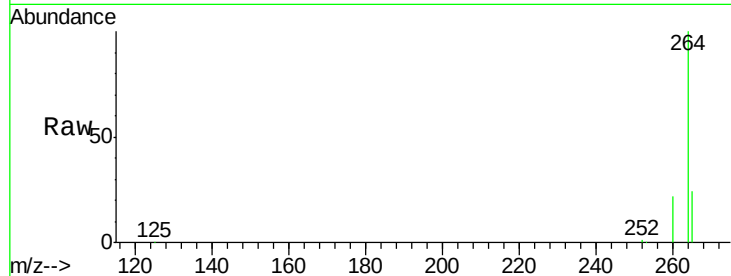




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 22.09 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

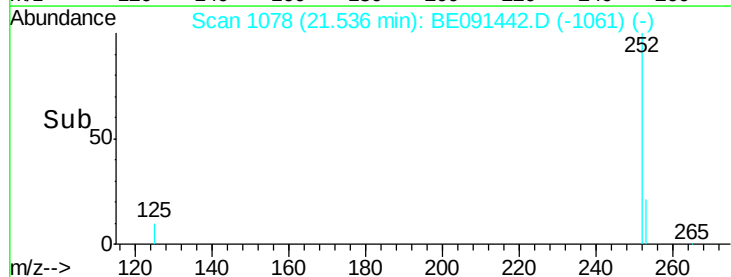
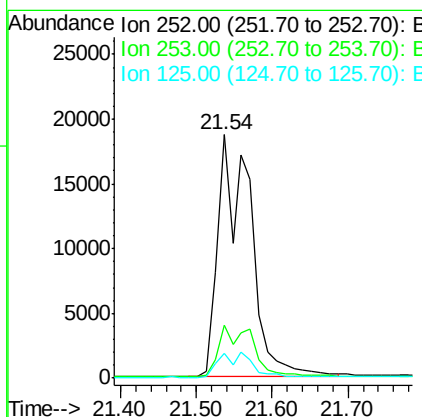
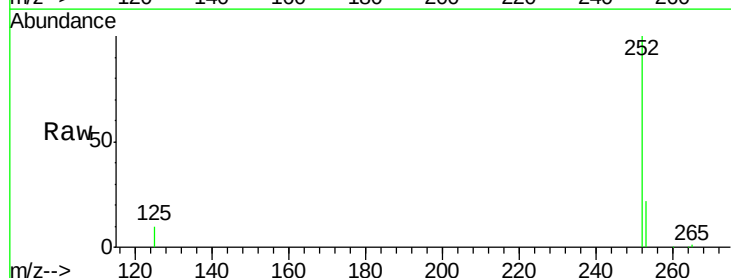
Instrument :
 BNA_E
 ClientSampleId :

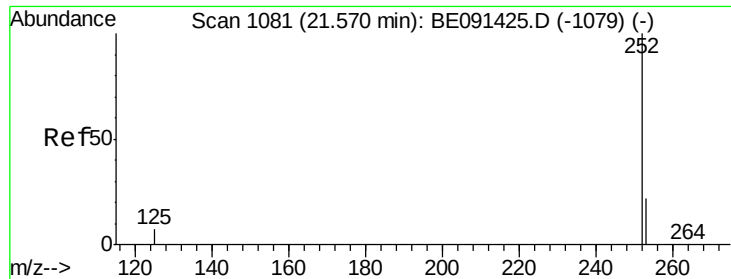
Tgt Ion: 264 Resp: 271201
 Ion Ratio Lower Upper
 264 100
 260 22.0 18.0 27.0
 265 23.6 18.2 27.4



#26
 Benzo(b)fluoranthene
 Concen: 0.75 ng
 RT: 21.54 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: BE091442.D
 Acq: 4 Mar 2016 3:05

Tgt Ion: 252 Resp: 56388
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.0 25.4
 125 10.2 8.3 12.5

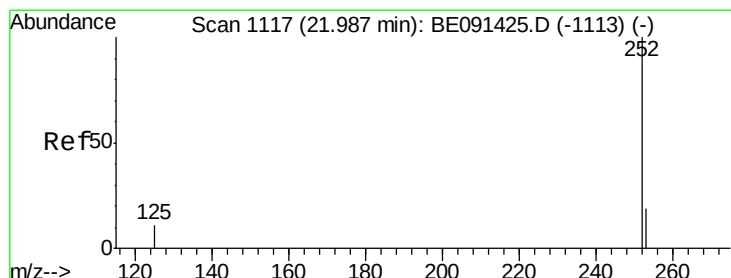
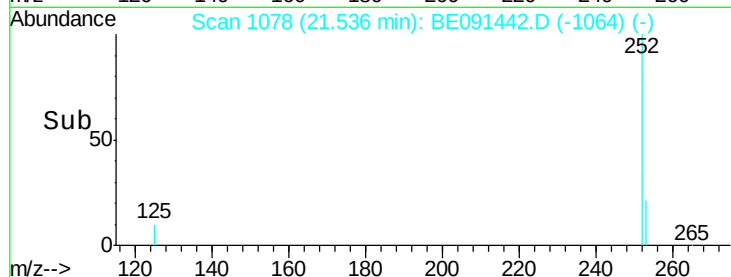
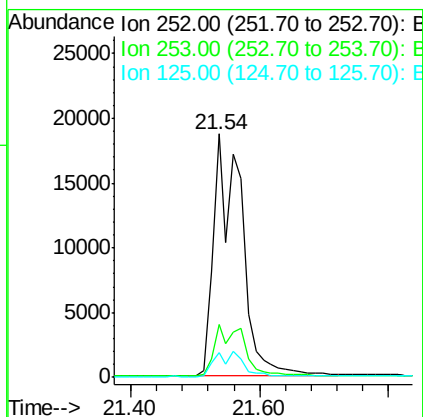
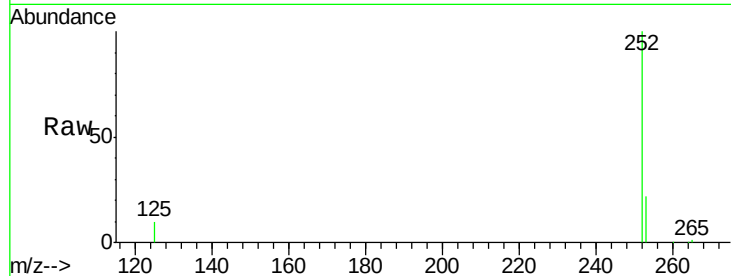




#27
Benzo(k)fluoranthene
Concen: 0.77 ng
RT: 21.54 min Scan# 1078
Delta R.T. -0.03 min
Lab File: BE091442.D
Acq: 4 Mar 2016 3:05

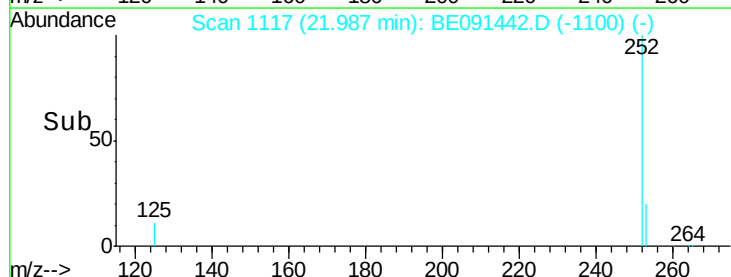
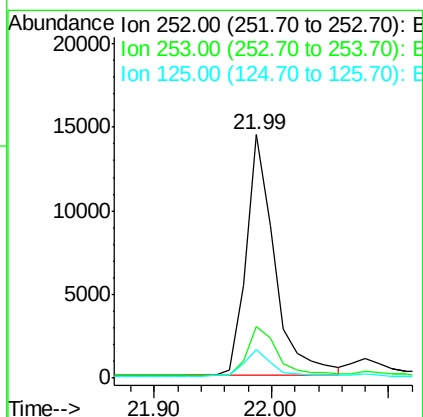
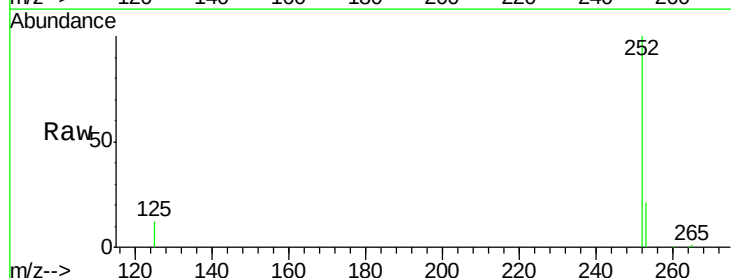
Instrument :
BNA_E
ClientSampleId :

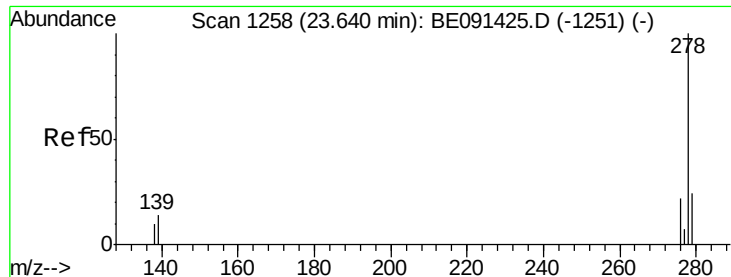
Tgt Ion: 252 Resp: 56794
Ion Ratio Lower Upper
252 100
253 21.8 19.5 29.3
125 10.2 7.3 10.9



#28
Benzo(a)pyrene
Concen: 0.37 ng
RT: 21.99 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE091442.D
Acq: 4 Mar 2016 3:05

Tgt Ion: 252 Resp: 24441
Ion Ratio Lower Upper
252 100
253 21.2 16.2 24.4
125 11.8 9.6 14.4





#29

Dibenzo(a,h)anthracene

Concen: 0.38 ng

RT: 23.63 min Scan# 1257

Delta R.T. -0.01 min

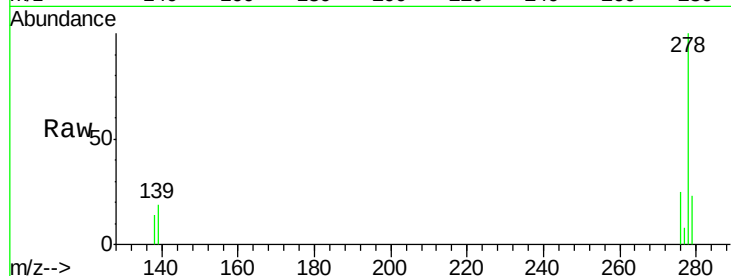
Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

Instrument :

BNA_E

ClientSampleId :



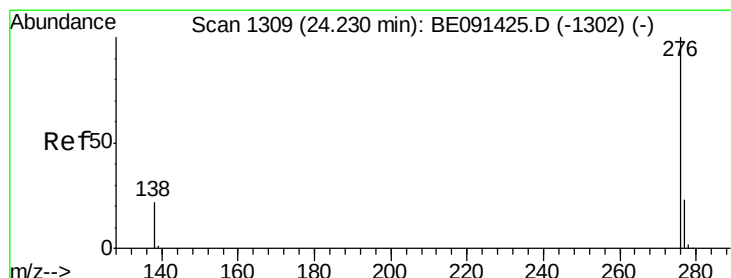
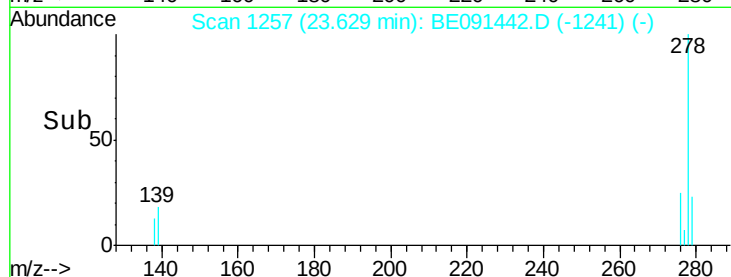
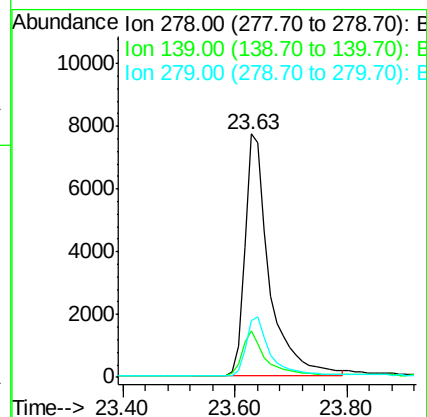
Tgt Ion: 278 Resp: 23491

Ion Ratio Lower Upper

278 100

139 19.0 12.1 18.1#

279 23.2 19.4 29.0



#30

Benzo(g,h,i)perylene

Concen: 0.38 ng

RT: 24.23 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BE091442.D

Acq: 4 Mar 2016 3:05

Tgt Ion: 276 Resp: 25828

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.6

138 22.8 18.2 27.4

