

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031616\
 Data File : BE091451.D
 Acq On : 16 Mar 2016 20:01
 Operator : UM/SJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 17 07:08:42 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIM-BE031616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 07:07:36 2016
 Response via : Initial Calibration

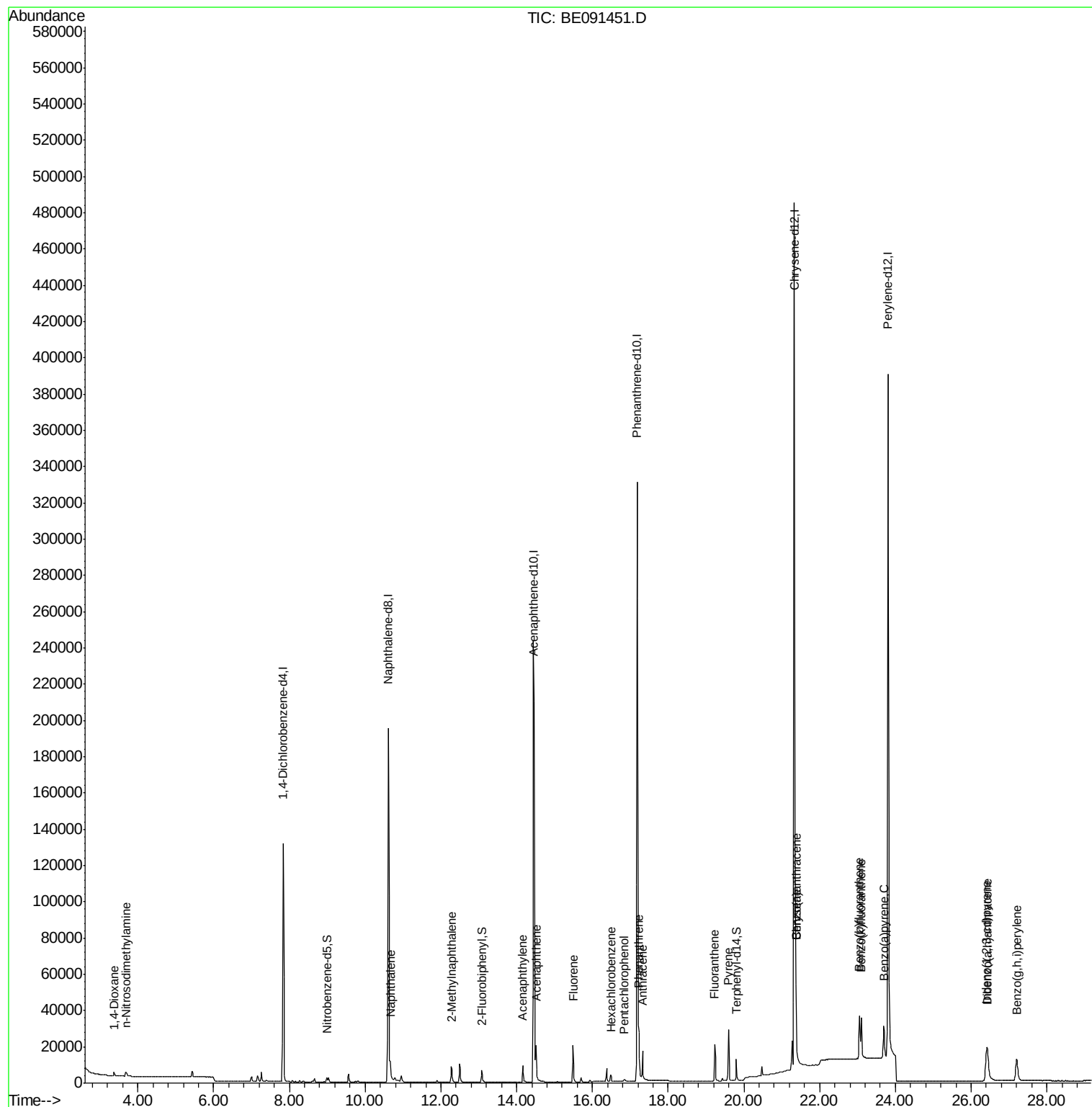
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	68327	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	302976	5.00	ng	0.00
8) Acenaphthene-d10	14.46	164	183462	5.00	ng	0.01
13) Phenanthrene-d10	17.18	188	478037	5.00	ng	0.00
19) Chrysene-d12	21.34	240	612717	5.00	ng	0.00
25) Perylene-d12	23.81	264	582068	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.99	82	2319	0.16	ng	0.00
9) 2-Fluorobiphenyl	13.08	172	8665	0.19	ng	0.00
21) Terphenyl-d14	19.80	244	16641	0.18	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.38	88	1854	0.29	ng	# 100
3) n-Nitrosodimethylamine	3.68	42	2237	0.31	ng	# 100
6) Naphthalene	10.67	128	14094	0.20	ng	99
7) 2-Methylnaphthalene	12.27	142	8790	0.21	ng	97
10) Acenaphthylene	14.16	152	13462	0.05	ng	# 100
11) Acenaphthene	14.51	154	10329	0.19	ng	# 100
12) Fluorene	15.49	166	13772	0.19	ng	# 100
14) Hexachlorobenzene	16.50	284	3875	0.14	ng	# 100
15) Pentachlorophenol	16.84	266	1285	0.21	ng	97
16) Phenanthrene	17.23	178	25769	0.16	ng	# 100
17) Anthracene	17.32	178	20886	0.09	ng	# 100
18) Fluoranthene	19.22	202	28918	0.12	ng	# 65
20) Pyrene	19.59	202	30763	0.18	ng	# 92
22) Benzo(a)anthracene	21.38	228	75825	0.36	ng	# 85
23) Chrysene	21.38	228	77574	0.35	ng	99
24) Indeno(1,2,3-cd)pyrene	26.41	276	36191	0.19	ng	# 100
26) Benzo(b)fluoranthene	23.04	252	41545	0.24	ng	# 94
27) Benzo(k)fluoranthene	23.10	252	34914	0.22	ng	# 91
28) Benzo(a)pyrene	23.69	252	31744	0.22	ng	# 89
29) Dibenzo(a,h)anthracene	26.43	278	29436	0.21	ng	93
30) Benzo(g,h,i)perylene	27.20	276	32413	0.22	ng	97

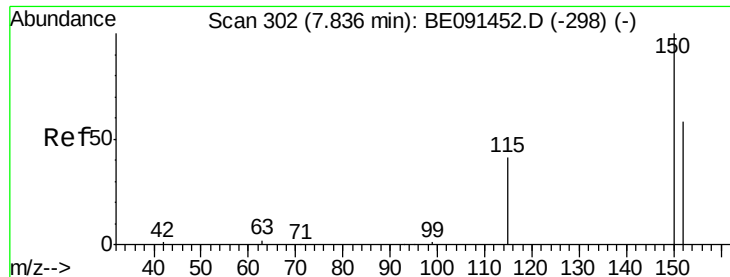
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031616\
Data File : BE091451.D
Acq On : 16 Mar 2016 20:01
Operator : UM/SJ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Mar 17 07:08:42 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIM-BE031616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 17 07:07:36 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampleId :

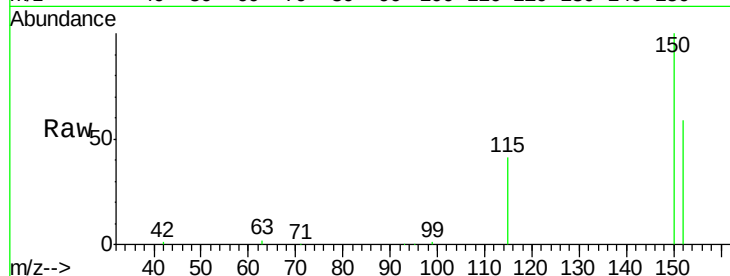
Tot Ion:152 Resp: 68327

Ion Ratio Lower Upper

152 100

150 168.7 136.8 205.2

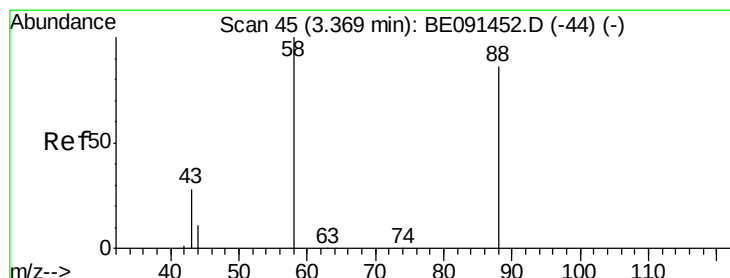
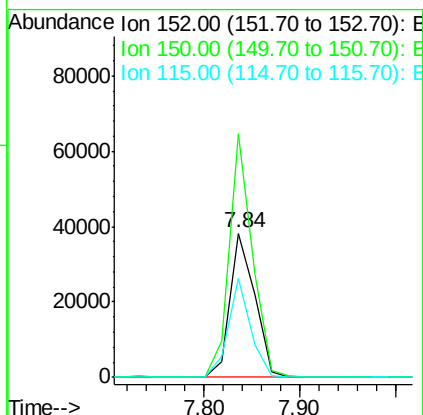
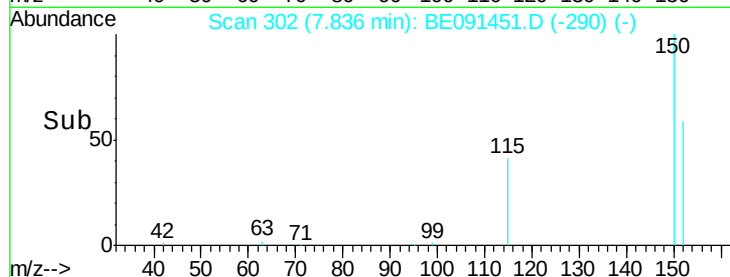
115 68.8 56.9 85.3



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: 0.29 ng

RT: 3.38 min Scan# 46

Delta R.T. 0.02 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

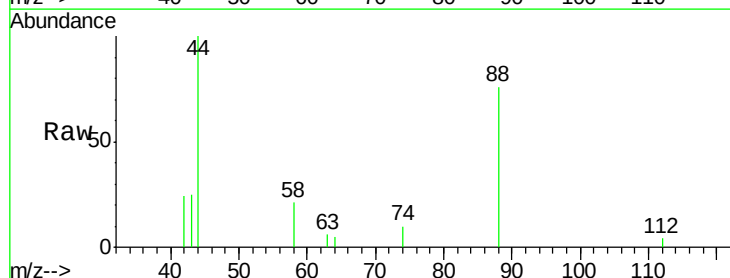
Tgt Ion: 88 Resp: 1854

Ion Ratio Lower Upper

88 100

58 71.9 0.0 0.0#

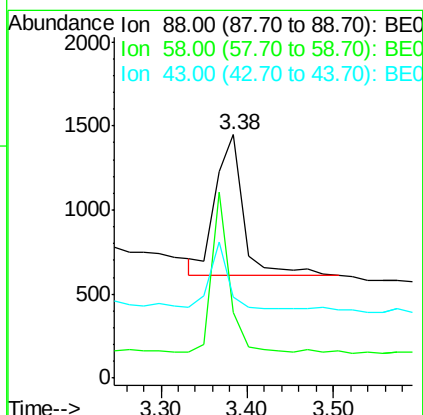
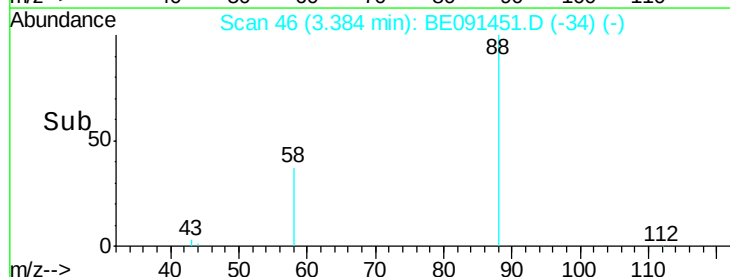
43 30.3 0.0 0.0#

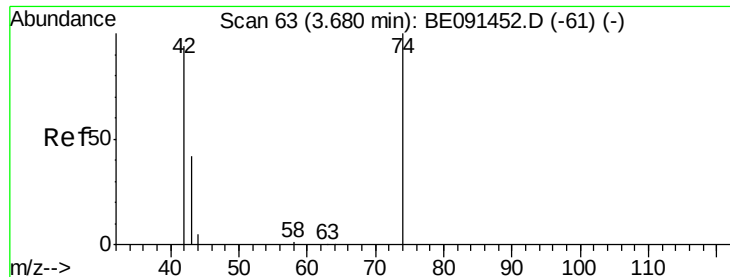


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.31 ng

RT: 3.68 min Scan# 63

Delta R.T. -0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampleId :

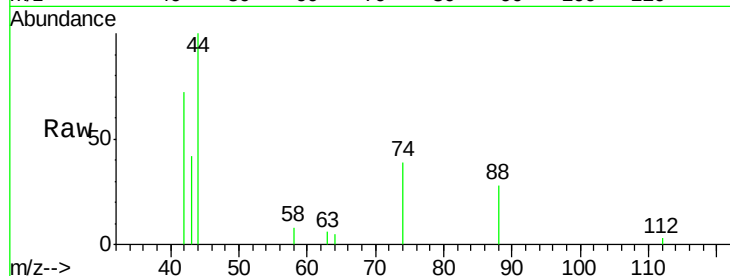
Tot Ion: 42 Resp: 2237

Ion Ratio Lower Upper

42 100

74 105.3 0.0 0.0#

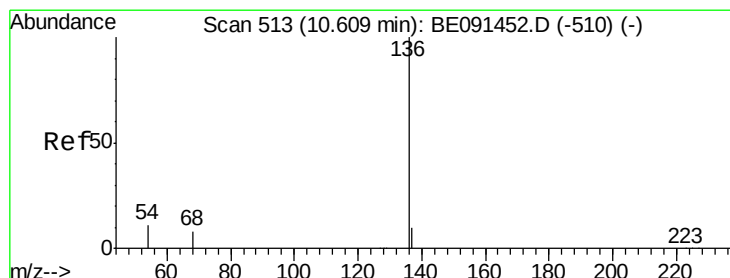
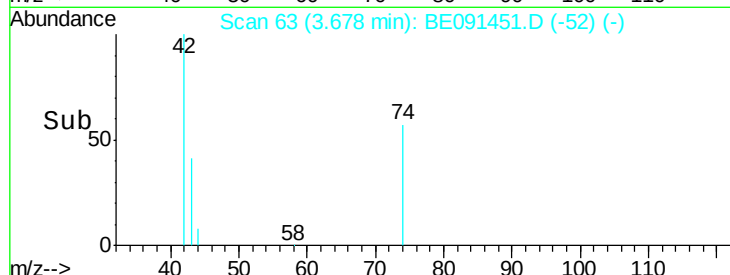
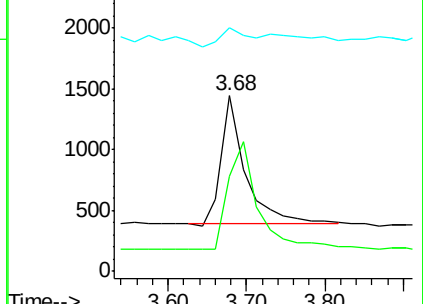
44 16.5 0.0 0.0#



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: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

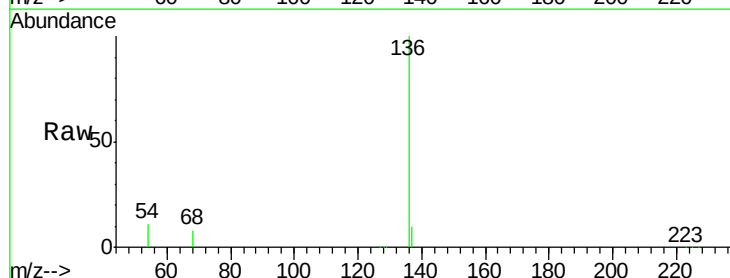
Tgt Ion: 136 Resp: 302976

Ion Ratio Lower Upper

136 100

137 10.2 8.0 12.0

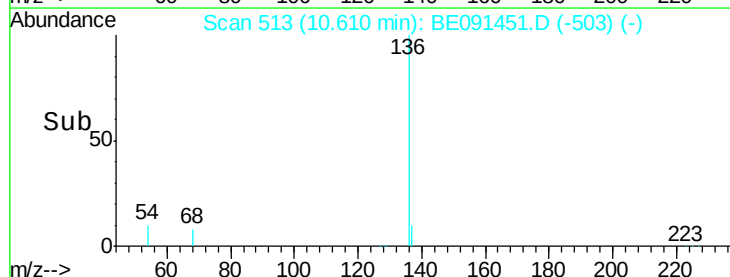
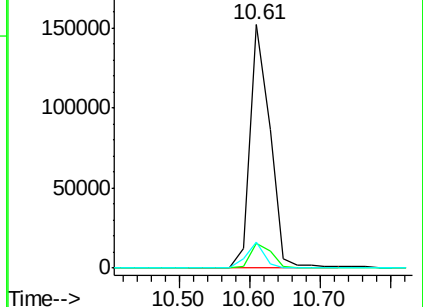
54 10.5 9.1 13.7

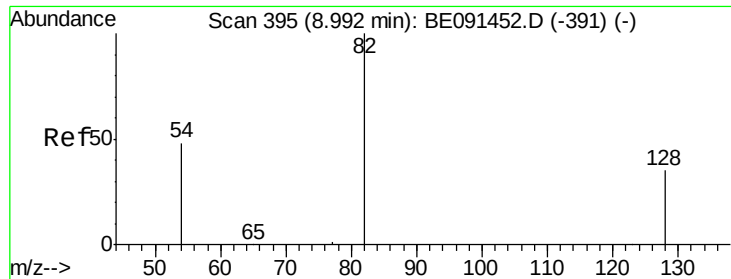


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.16 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampleId :

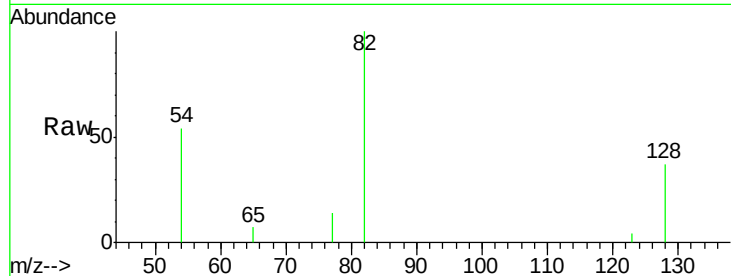
Tot Ion: 82 Resp: 2319

Ion Ratio Lower Upper

82 100

128 36.6 29.4 44.2

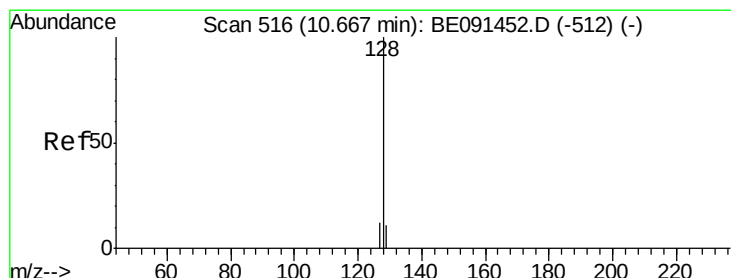
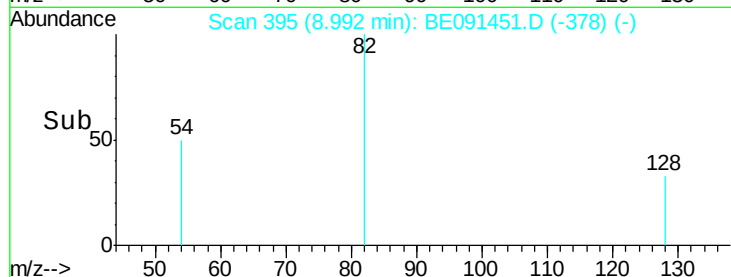
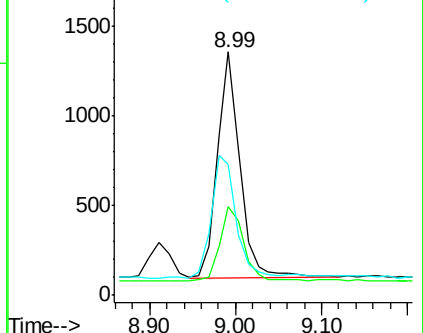
54 53.6 39.8 59.8



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



#6

Naphthalene

Concen: 0.20 ng

RT: 10.67 min Scan# 516

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

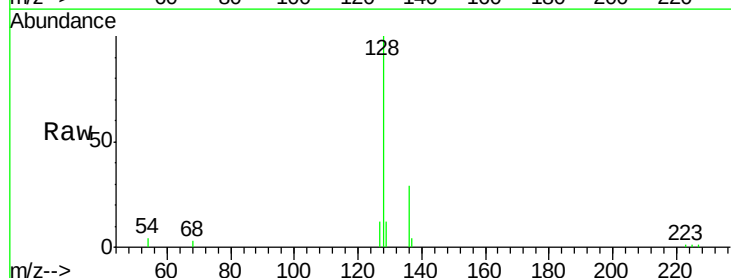
Tgt Ion: 128 Resp: 14094

Ion Ratio Lower Upper

128 100

129 12.3 9.4 14.0

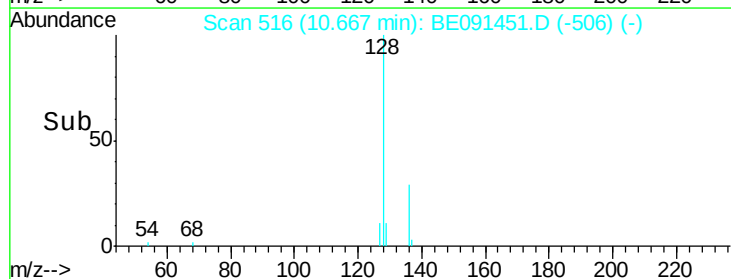
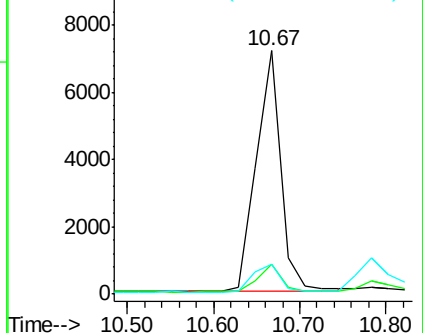
127 12.3 9.7 14.5

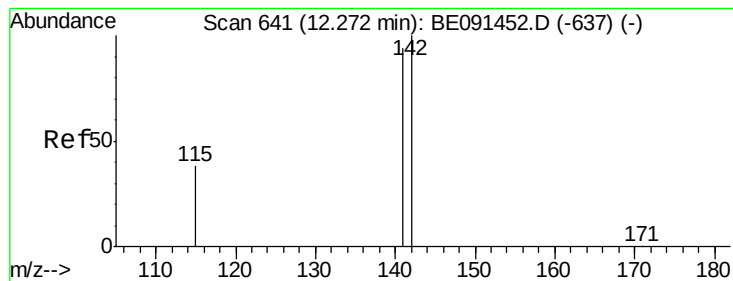


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.21 ng

RT: 12.27 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampleId :

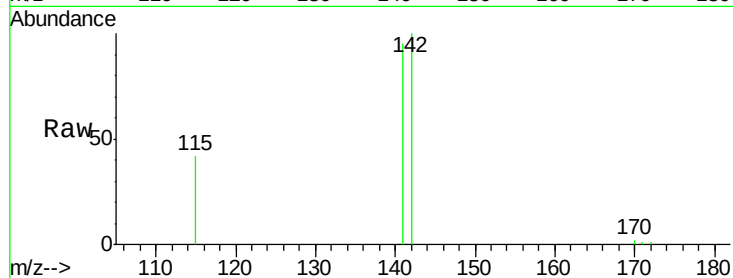
Tot Ion:142 Resp: 8790

Ion Ratio Lower Upper

142 100

141 95.4 75.0 112.4

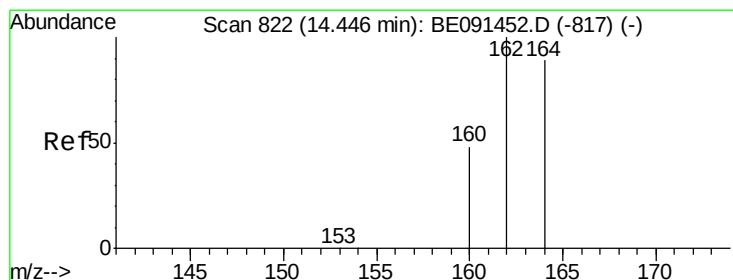
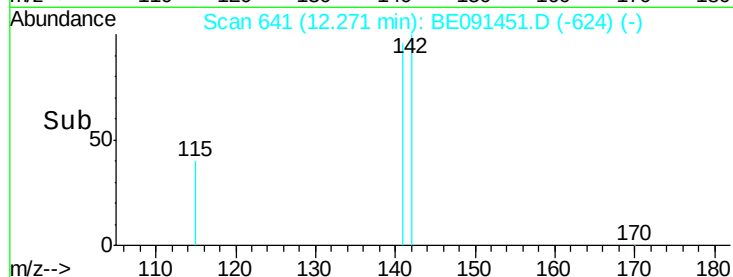
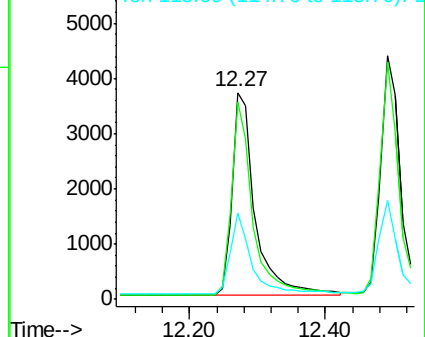
115 41.9 30.8 46.2



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: 14.46 min Scan# 823

Delta R.T. 0.01 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

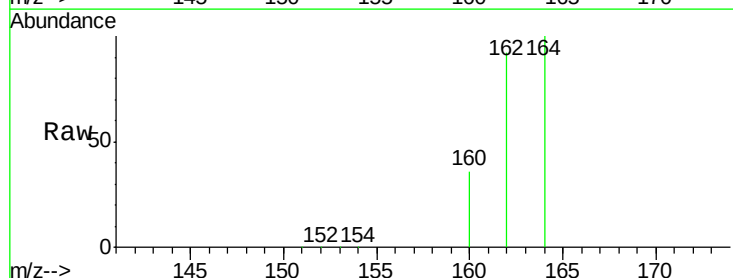
Tgt Ion:164 Resp: 183462

Ion Ratio Lower Upper

164 100

162 92.1 89.8 134.8

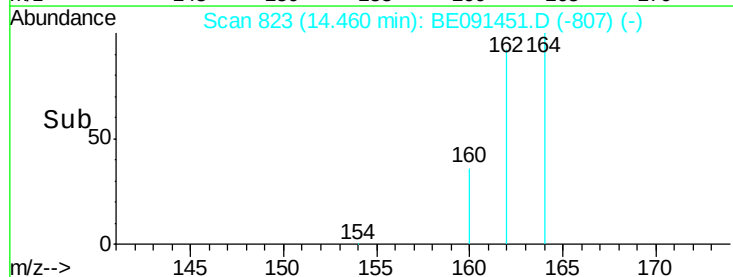
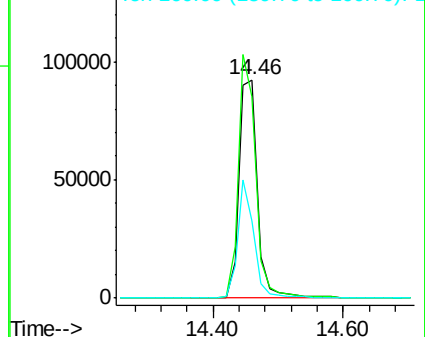
160 35.7 43.1 64.7#

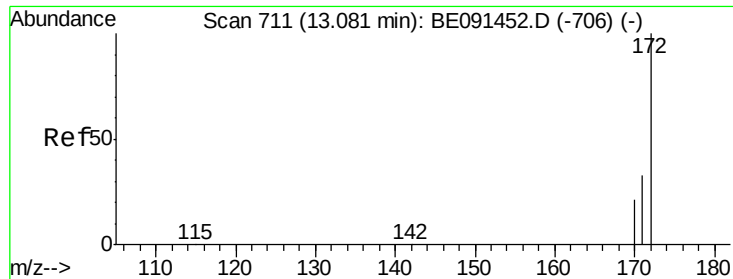


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.19 ng

RT: 13.08 min Scan# 711

Delta R.T. -0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampled :

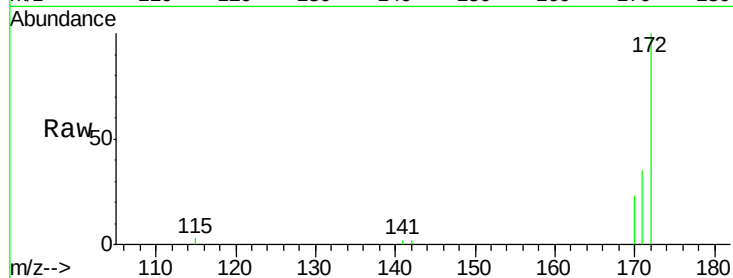
Tot Ion:172 Resp: 8665

Ion Ratio Lower Upper

172 100

171 34.9 26.7 40.1

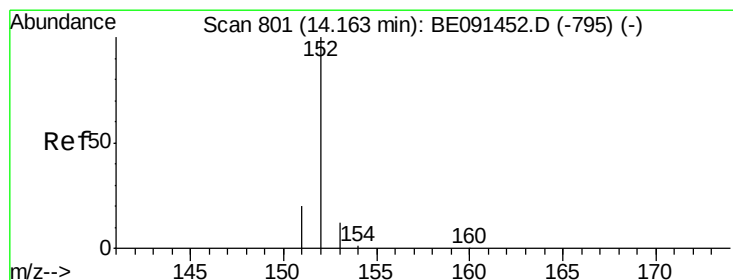
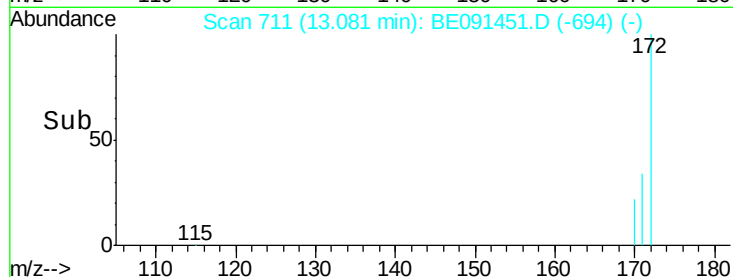
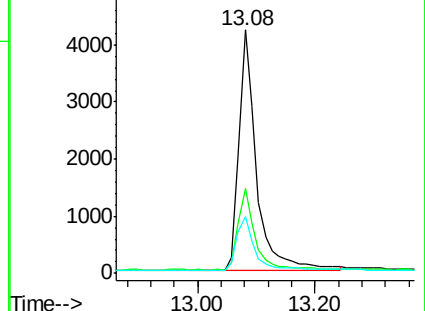
170 23.2 17.4 26.2



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: 0.05 ng

RT: 14.16 min Scan# 801

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

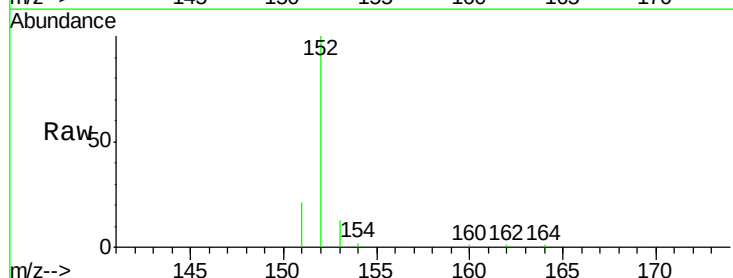
Tgt Ion:152 Resp: 13462

Ion Ratio Lower Upper

152 100

151 20.2 0.0 0.0#

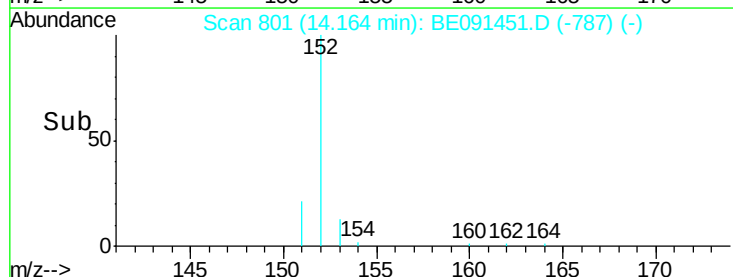
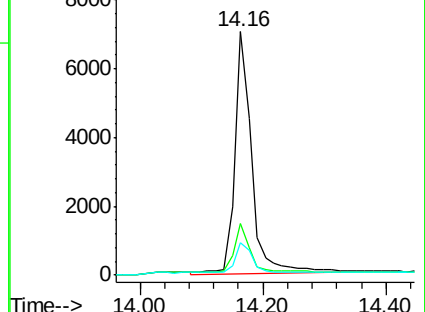
153 23.4 0.0 0.0#

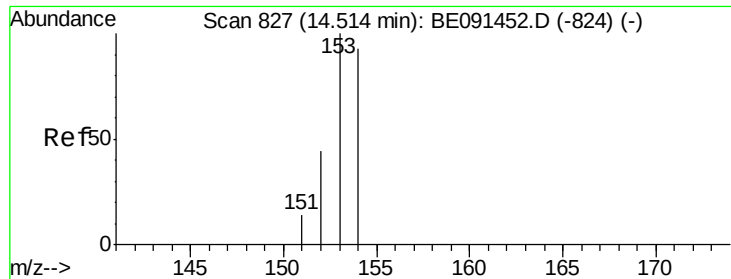


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

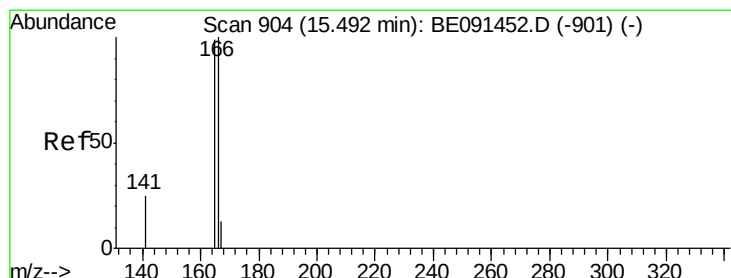
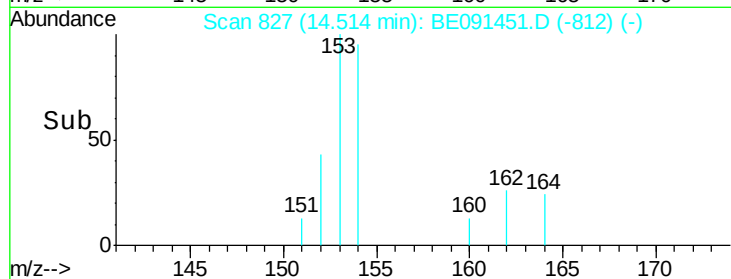
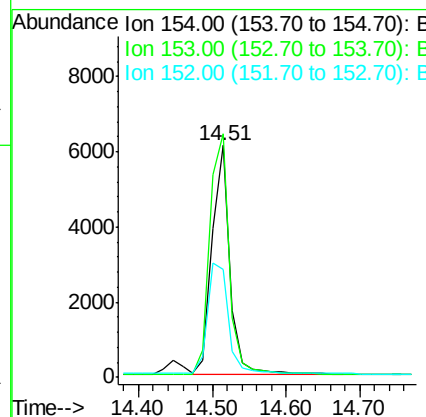
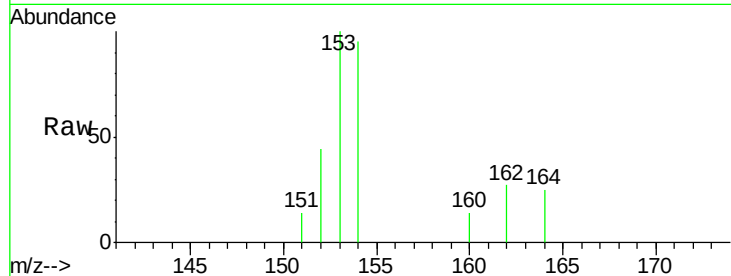




#11
Acenaphthene
Concen: 0.19 ng
RT: 14.51 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

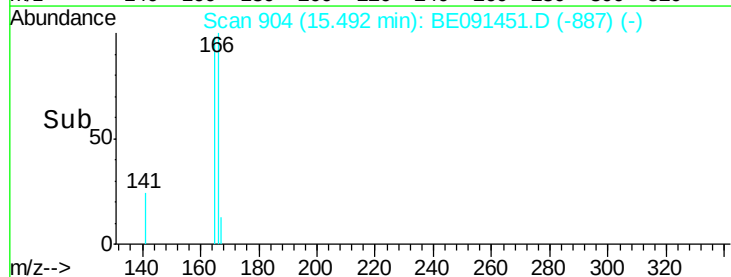
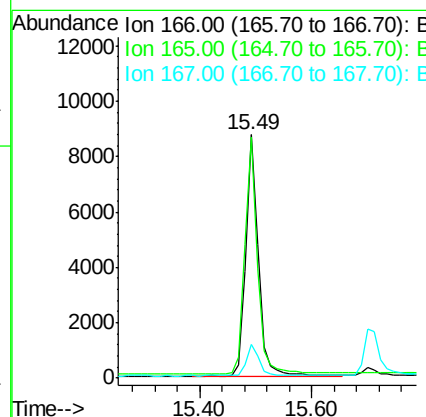
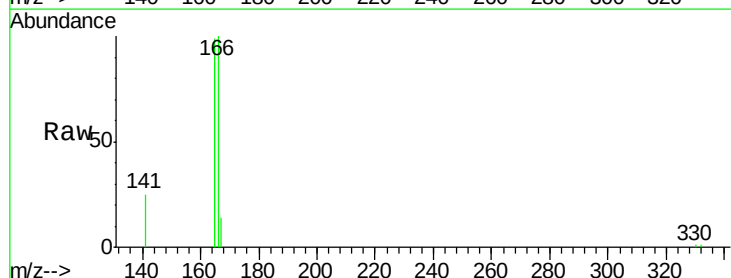
Instrument :
BNA_E
ClientSampleId :

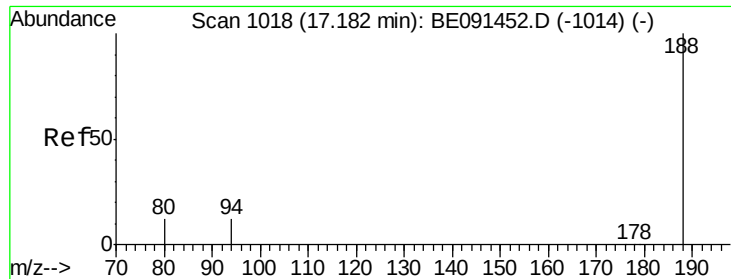
Tot Ion:154 Resp: 10329
Ion Ratio Lower Upper
154 100
153 116.1 0.0 0.0#
152 56.0 0.0 0.0#



#12
Fluorene
Concen: 0.19 ng
RT: 15.49 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Tgt Ion:166 Resp: 13772
Ion Ratio Lower Upper
166 100
165 100.6 0.0 0.0#
167 13.4 0.0 0.0#

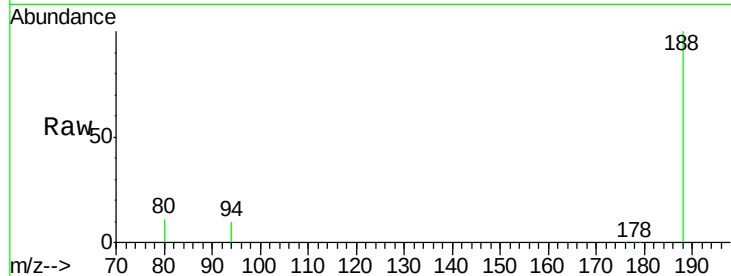




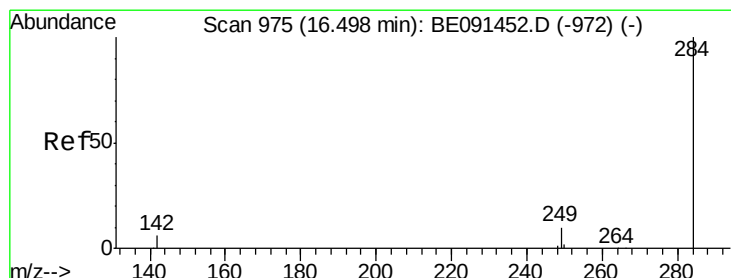
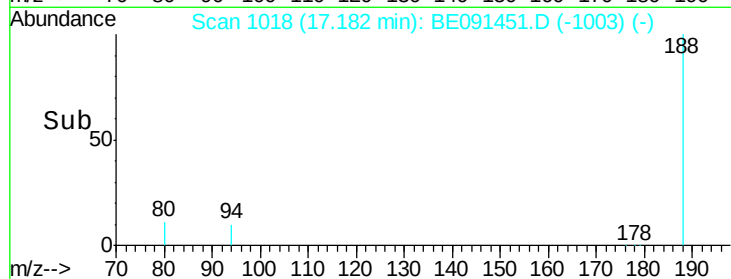
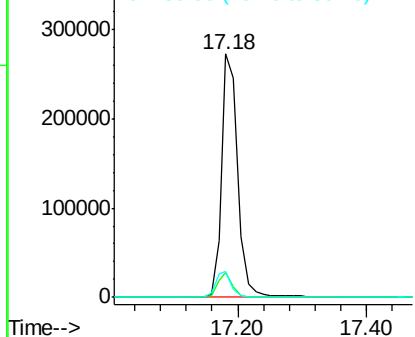
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 478037
Ion Ratio Lower Upper
188 100
94 10.4 9.5 14.3
80 10.7 9.8 14.8

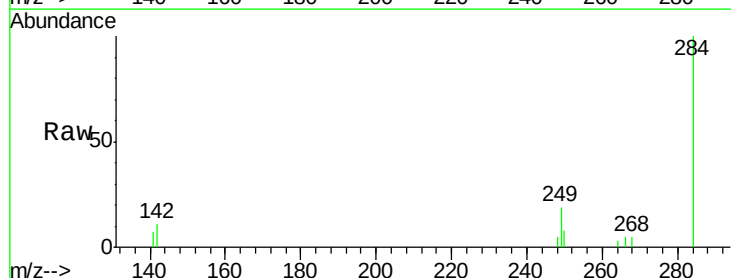


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

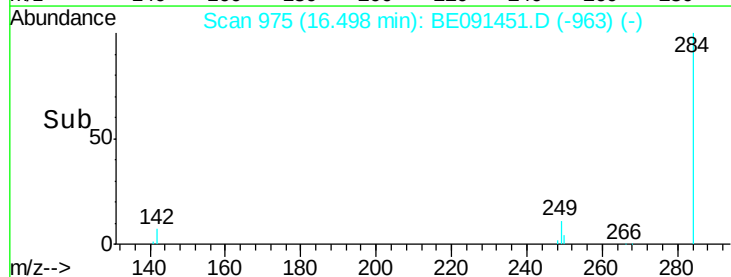
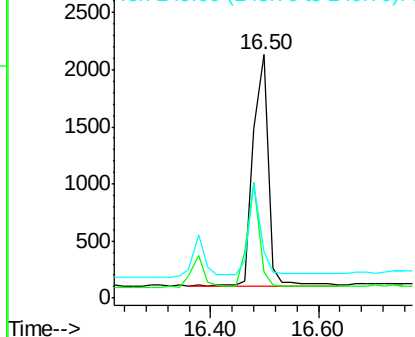


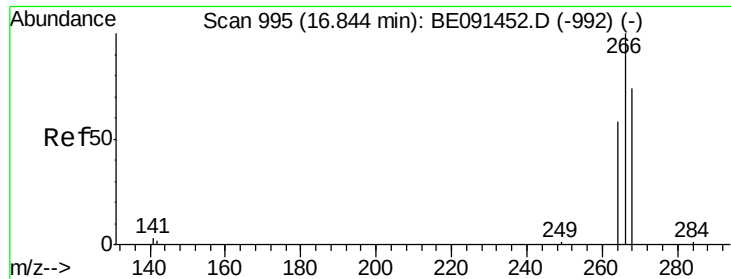
#14
Hexachlorobenzene
Concen: 0.14 ng
RT: 16.50 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Tgt Ion:284 Resp: 3875
Ion Ratio Lower Upper
284 100
142 36.6 0.0 0.0#
249 32.3 0.0 0.0#



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

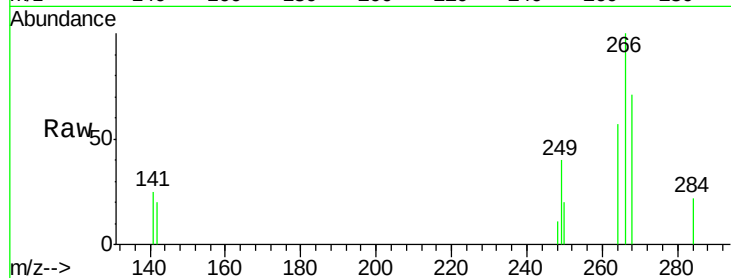




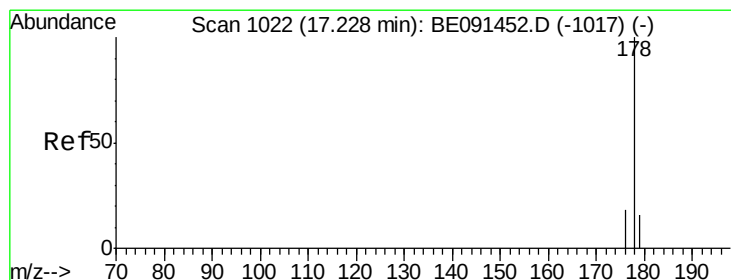
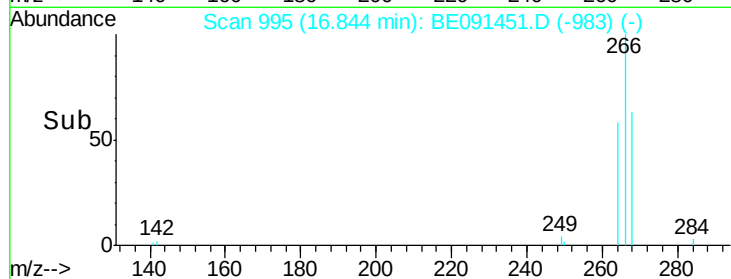
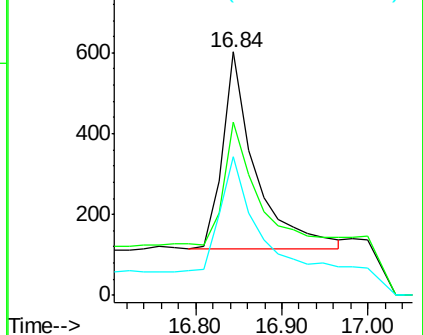
#15
 Pentachlorophenol
 Concen: 0.21 ng
 RT: 16.84 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:266 Resp: 1285
 Ion Ratio Lower Upper
 266 100
 268 71.4 61.0 91.6
 264 57.1 45.7 68.5

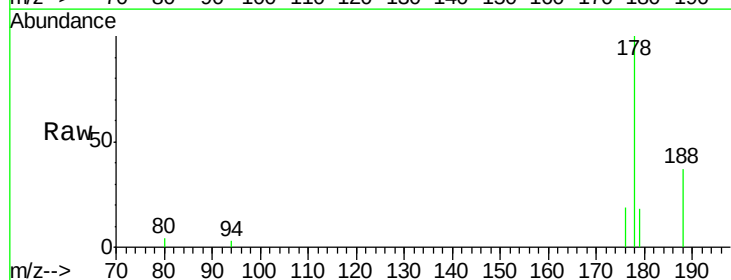


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

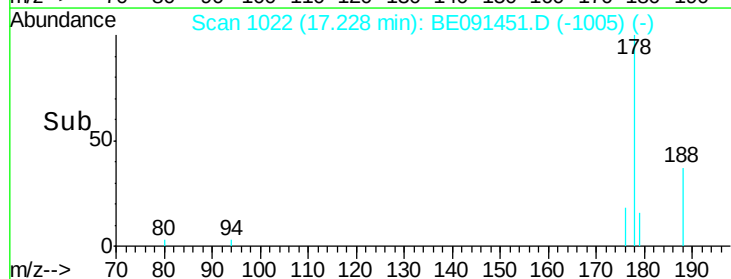
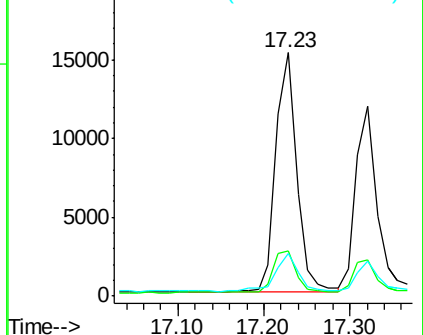


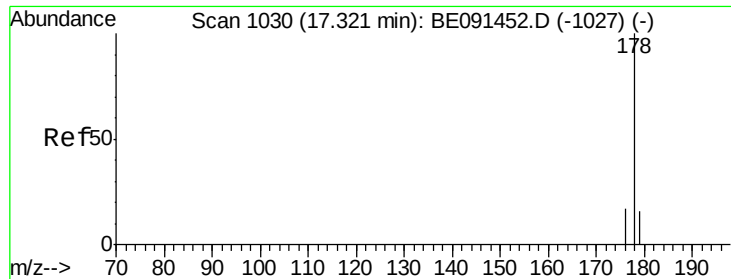
#16
 Phenanthrene
 Concen: 0.16 ng
 RT: 17.23 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Tgt Ion:178 Resp: 25769
 Ion Ratio Lower Upper
 178 100
 176 19.6 0.0 0.0#
 179 17.1 0.0 0.0#



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

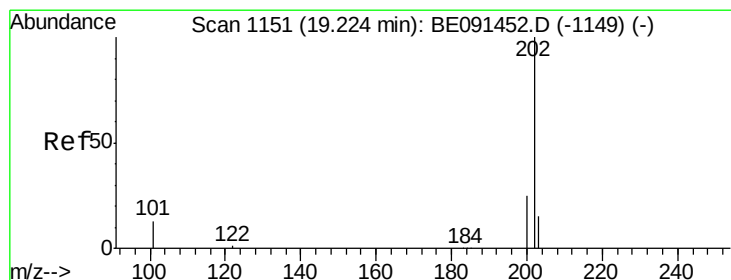
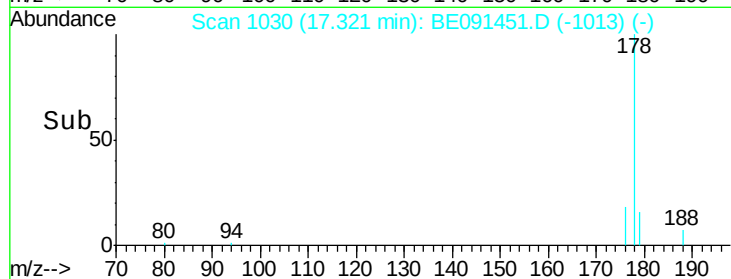
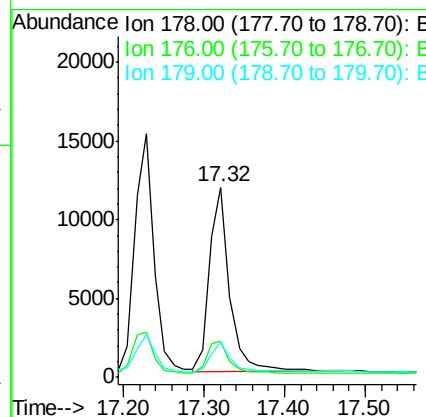
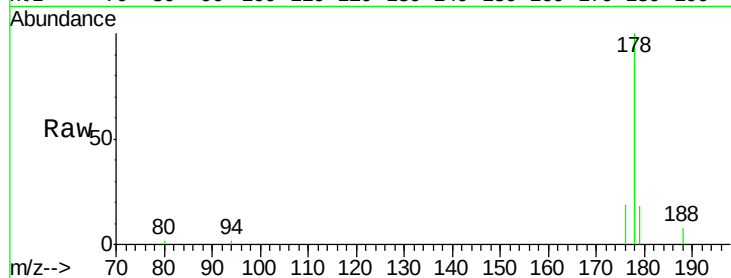




#17
 Anthracene
 Concen: 0.09 ng
 RT: 17.32 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

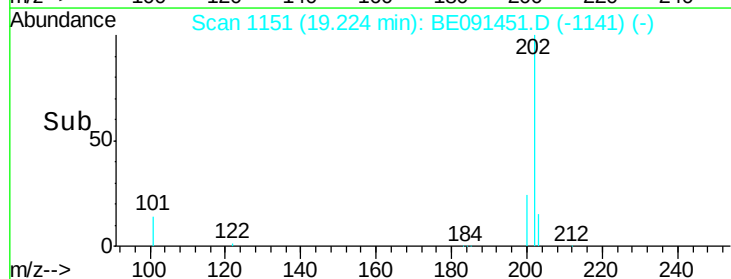
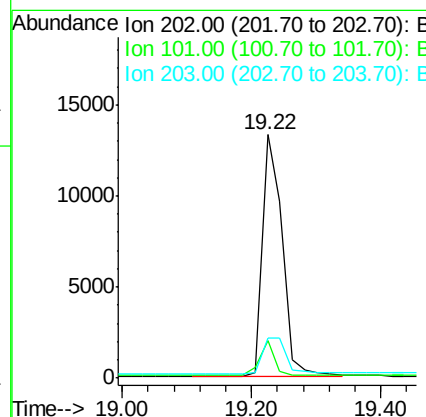
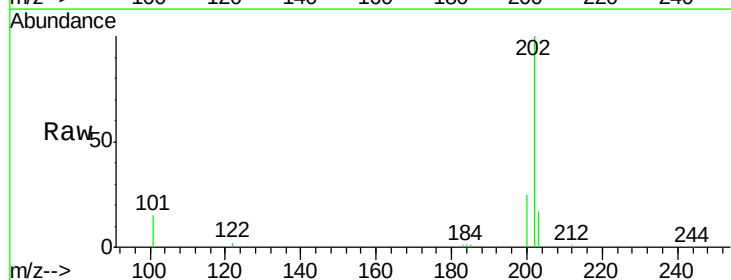
Instrument :
 BNA_E
 ClientSampleId :

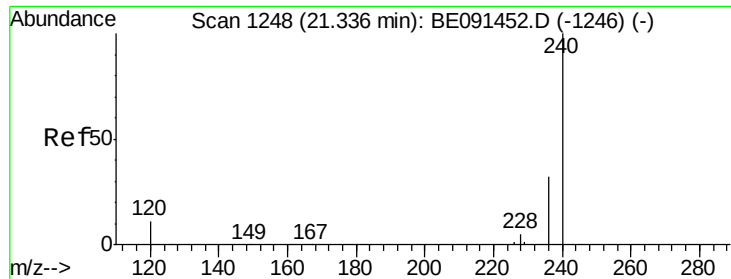
Tot Ion:178 Resp: 20886
 Ion Ratio Lower Upper
 178 100
 176 18.8 0.0 0.0#
 179 16.0 0.0 0.0#



#18
 Fluoranthene
 Concen: 0.12 ng
 RT: 19.22 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Tgt Ion:202 Resp: 28918
 Ion Ratio Lower Upper
 202 100
 101 11.5 1.1 1.7#
 203 18.8 1.0 1.6#

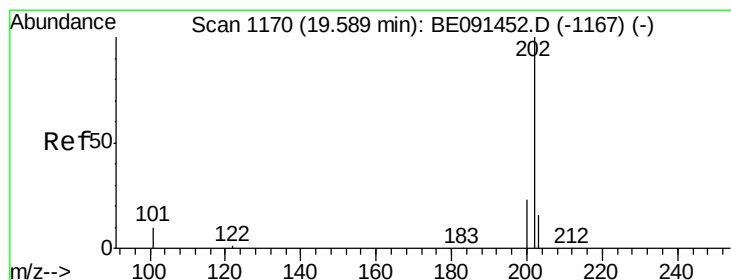
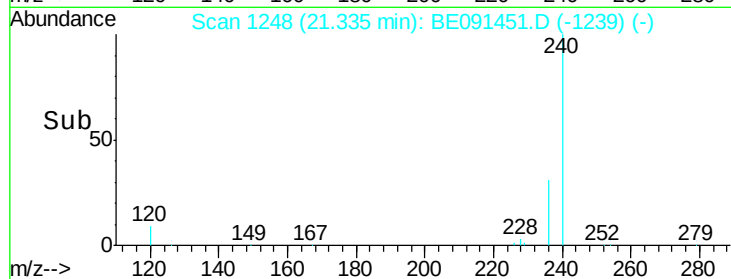
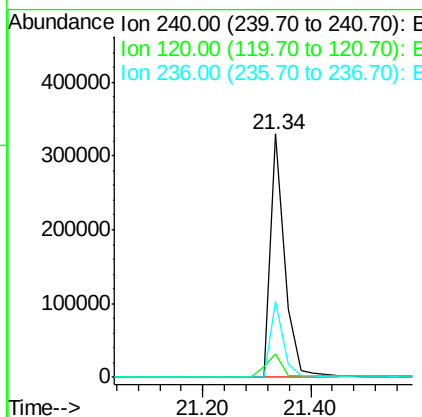
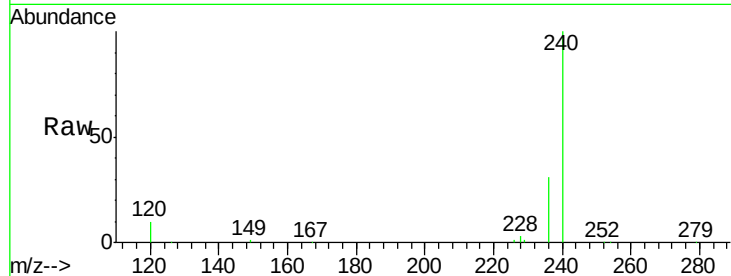




#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.34 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

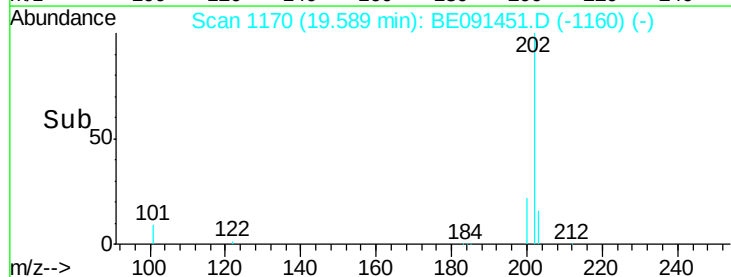
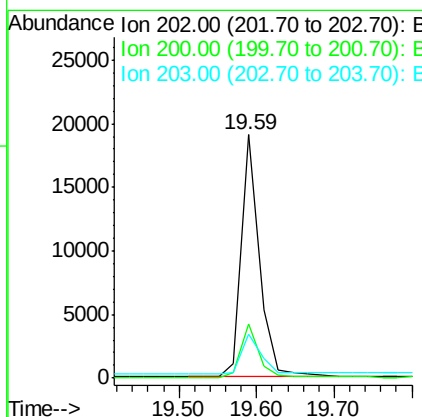
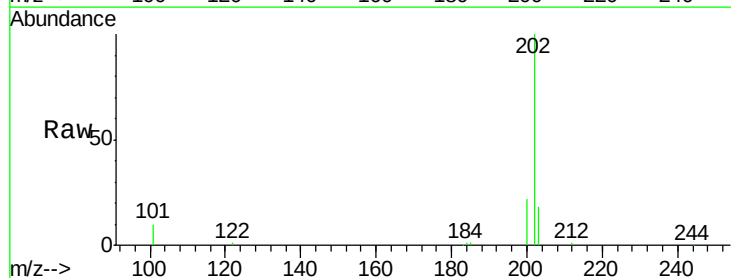
Instrument :
 BNA_E
 ClientSampleId :

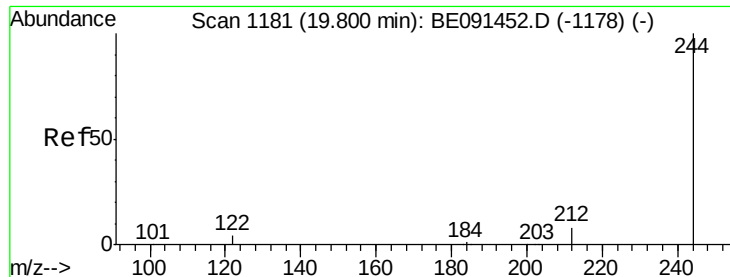
Tot Ion:240 Resp: 612717
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.8 13.2
 236 31.3 25.7 38.5



#20
 Pyrene
 Concen: 0.18 ng
 RT: 19.59 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Tgt Ion:202 Resp: 30763
 Ion Ratio Lower Upper
 202 100
 200 20.9 0.0 0.0#
 203 18.7 0.1 0.1#

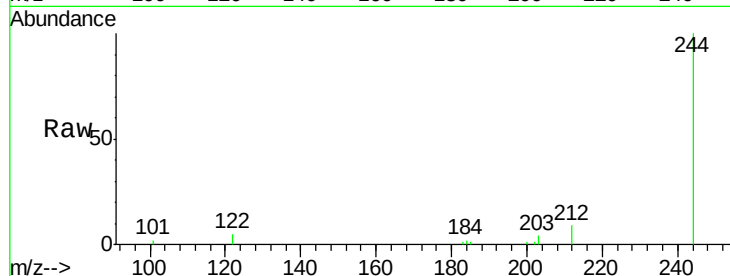




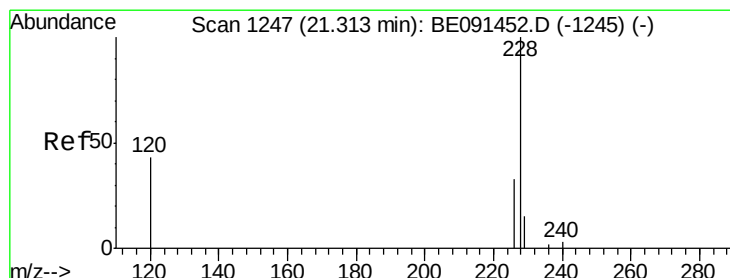
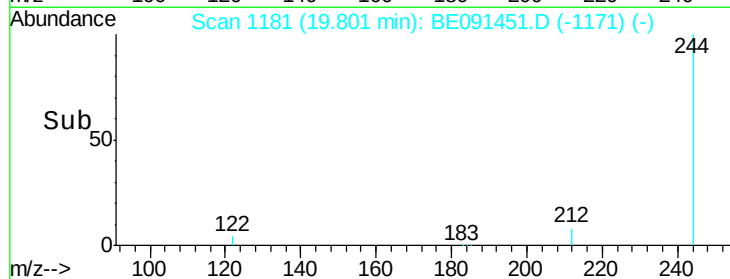
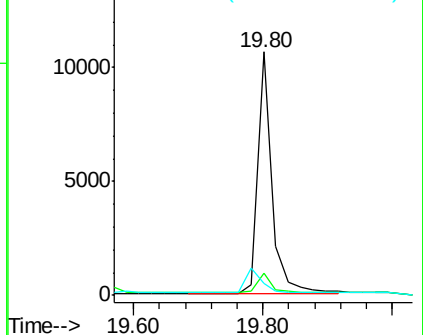
#21
 Terphenyl-d14
 Concen: 0.18 ng
 RT: 19.80 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 16641
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.6 10.0
 122 5.0 3.4 5.0

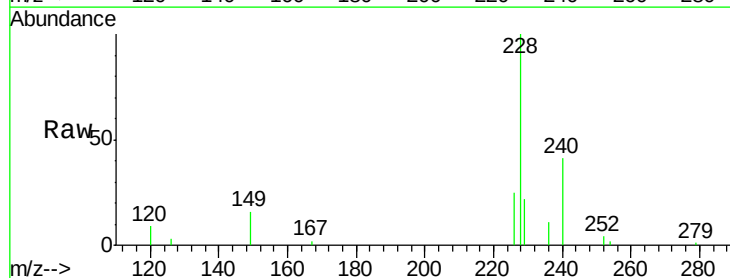


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

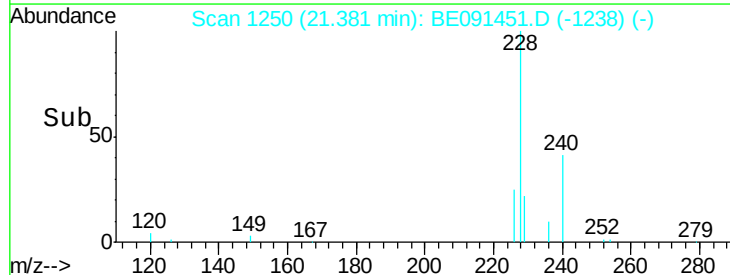
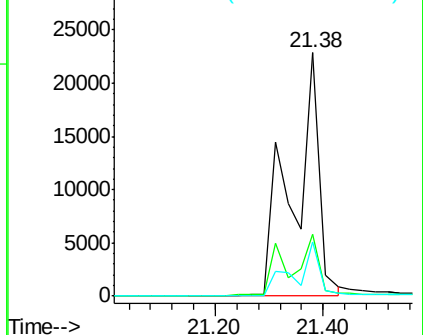


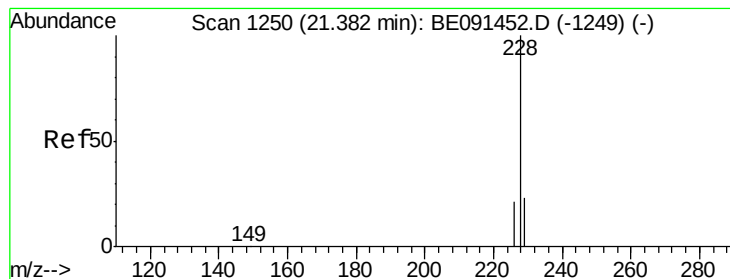
#22
 Benzo(a)anthracene
 Concen: 0.36 ng
 RT: 21.38 min Scan# 1250
 Delta R.T. 0.07 min
 Lab File: BE091451.D
 Acq: 16 Mar 2016 20:01

Tgt Ion:228 Resp: 75825
 Ion Ratio Lower Upper
 228 100
 226 25.4 27.1 40.7#
 229 22.5 12.3 18.5#



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





#23

Chrysene

Concen: 0.35 ng

RT: 21.38 min Scan# 1250

Delta R.T. -0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampleId :

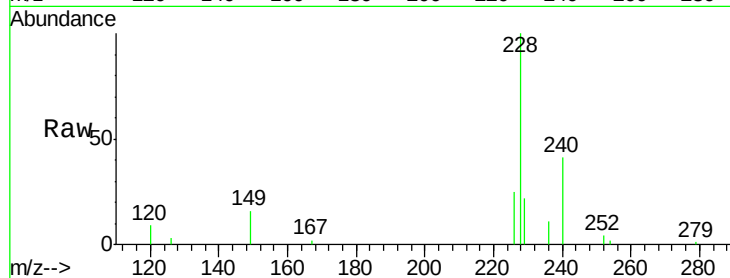
Tot Ion:228 Resp: 77574

Ion Ratio Lower Upper

228 100

226 25.4 20.3 30.5

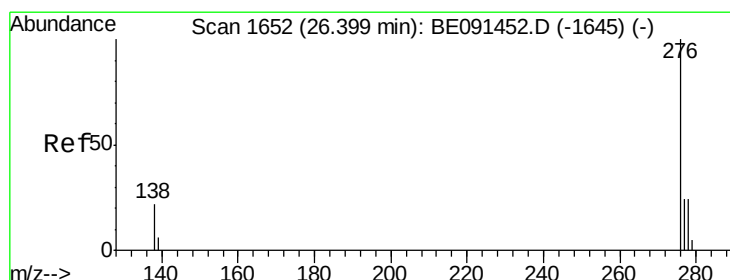
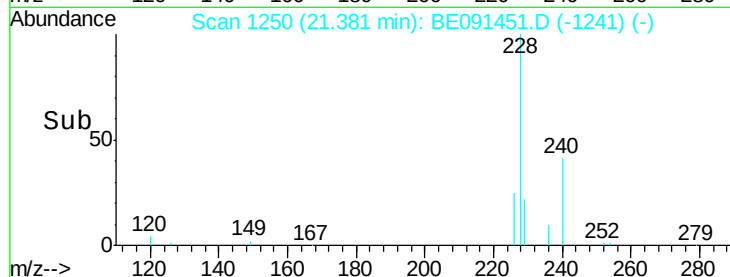
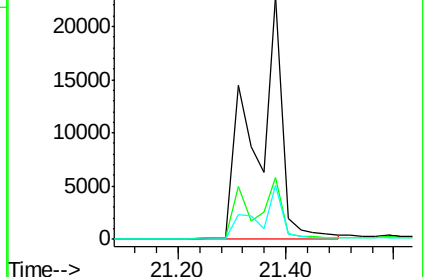
229 22.5 17.4 26.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng

RT: 26.41 min Scan# 1653

Delta R.T. 0.01 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

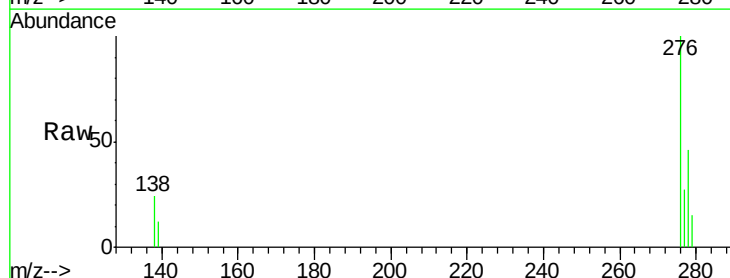
Tgt Ion:276 Resp: 36191

Ion Ratio Lower Upper

276 100

138 24.6 0.0 0.0#

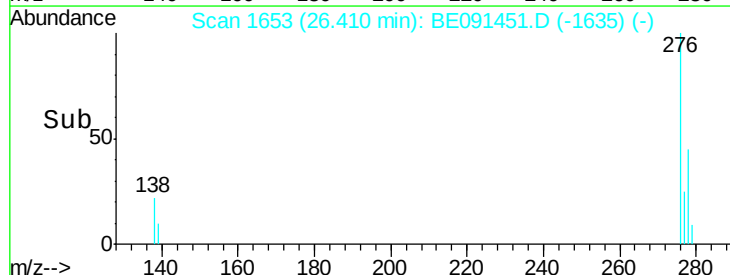
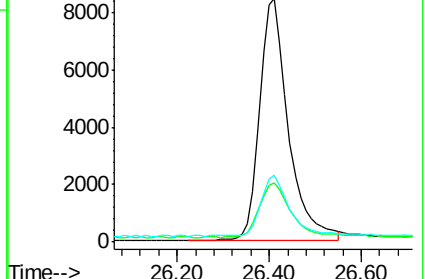
277 25.0 0.0 0.0#

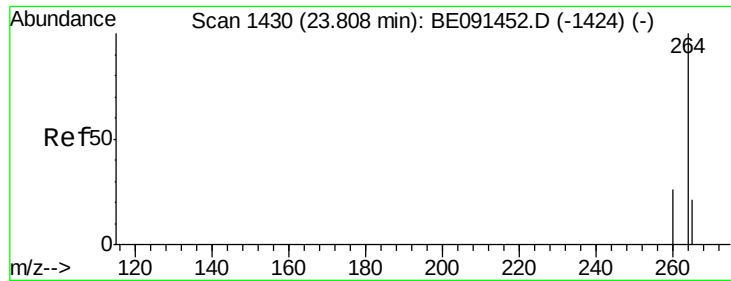


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Pervlene-d12

Concen: 5.00 ng

RT: 23.81 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampleId :

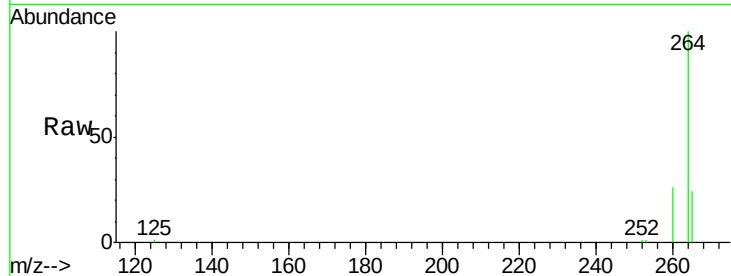
Tot Ion:264 Resp: 582068

Ion Ratio Lower Upper

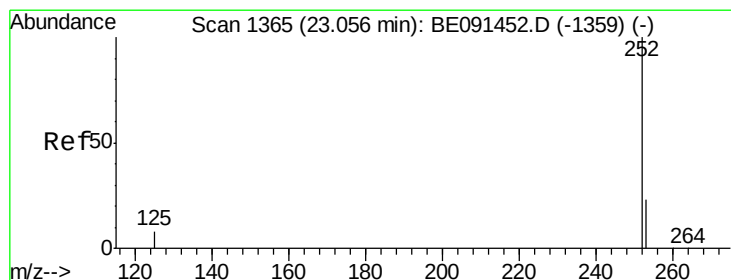
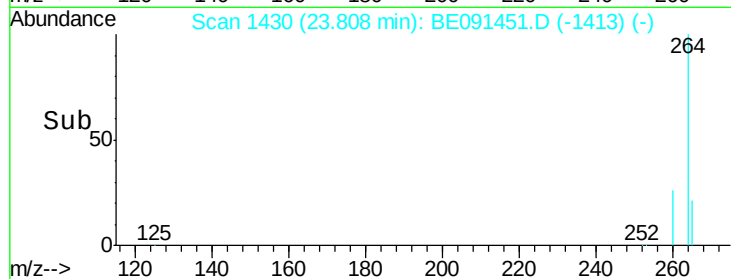
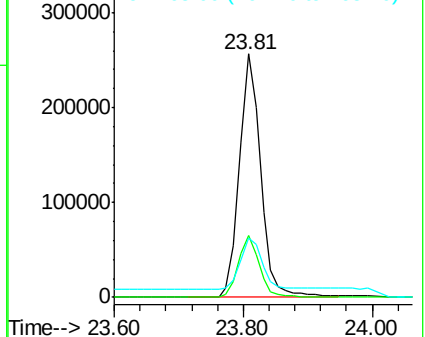
264 100

260 25.7 20.7 31.1

265 24.3 19.4 29.2



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



#26

Benzo(b)fluoranthene

Concen: 0.24 ng

RT: 23.04 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

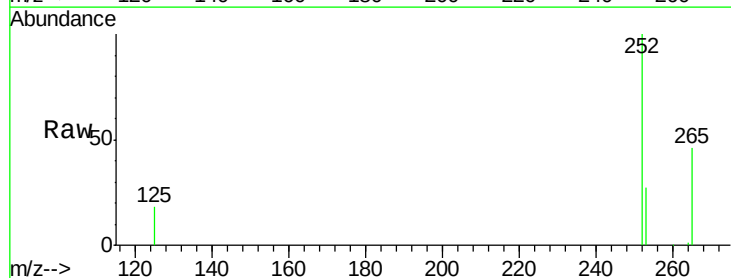
Tgt Ion:252 Resp: 41545

Ion Ratio Lower Upper

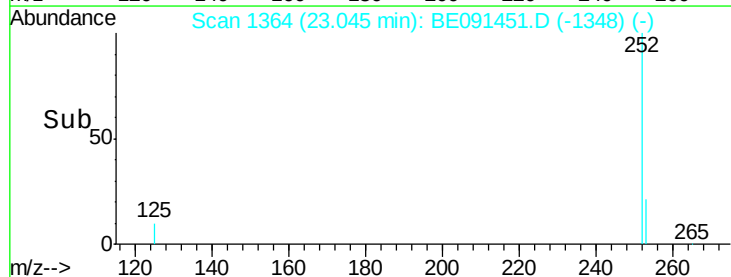
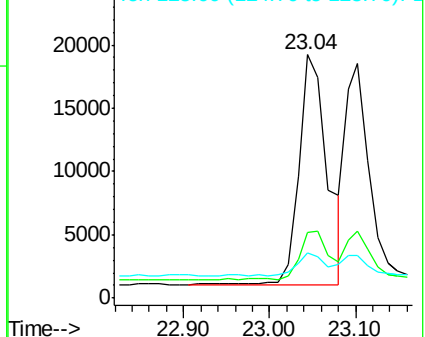
252 100

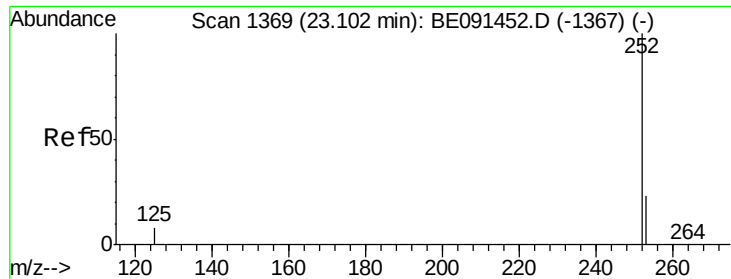
253 27.0 20.6 30.8

125 18.4 10.2 15.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

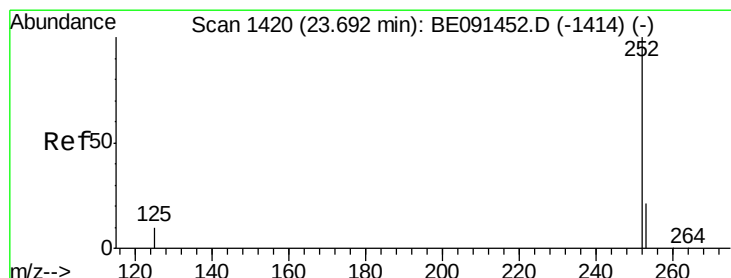
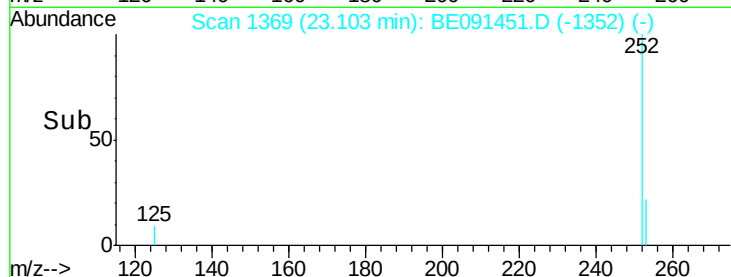
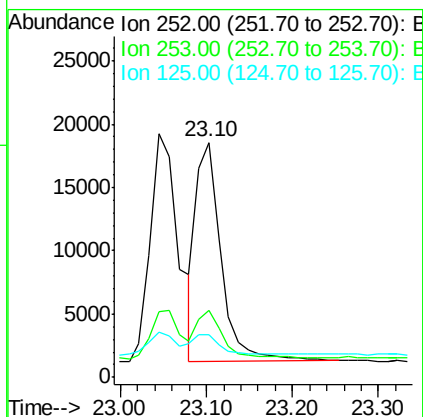
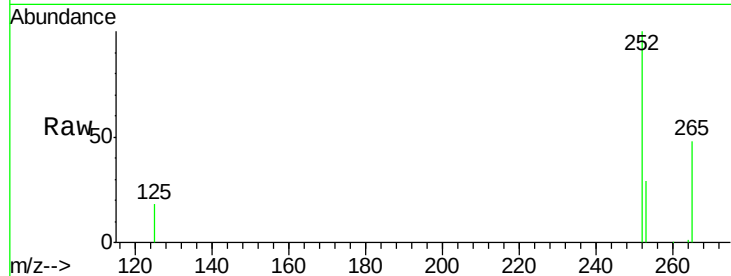




#27
Benzo(k)fluoranthene
Concen: 0.22 ng
RT: 23.10 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

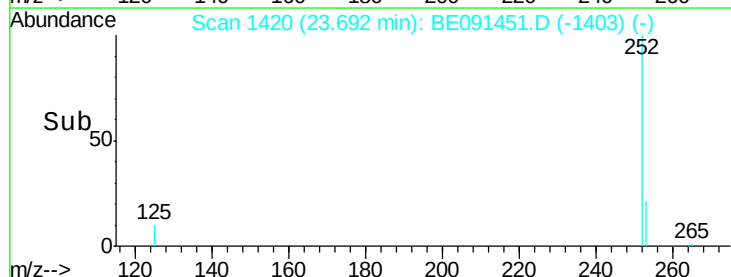
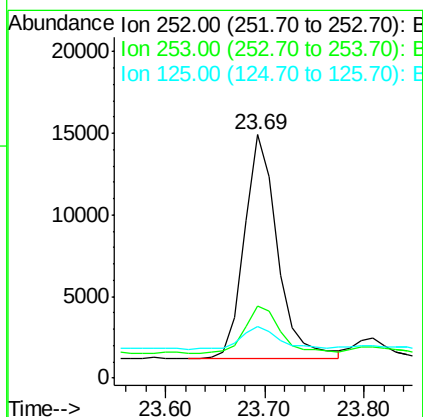
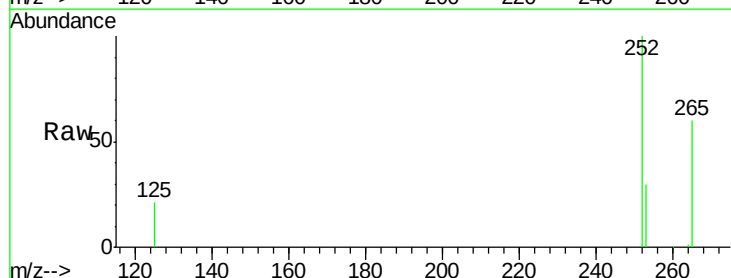
Instrument :
BNA_E
ClientSampleId :

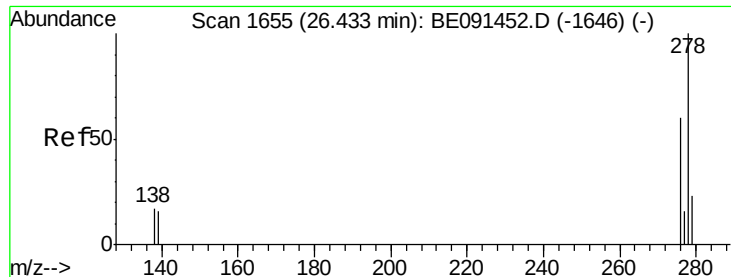
Tot Ion:252 Resp: 34914
Ion Ratio Lower Upper
252 100
253 28.6 20.2 30.2
125 18.1 10.6 16.0#



#28
Benzo(a)pyrene
Concen: 0.22 ng
RT: 23.69 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BE091451.D
Acq: 16 Mar 2016 20:01

Tgt Ion:252 Resp: 31744
Ion Ratio Lower Upper
252 100
253 29.7 20.0 30.0
125 21.4 12.7 19.1#





#29

Dibenzo(a,h)anthracene

Concen: 0.21 ng

RT: 26.43 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

Instrument :

BNA_E

ClientSampleId :

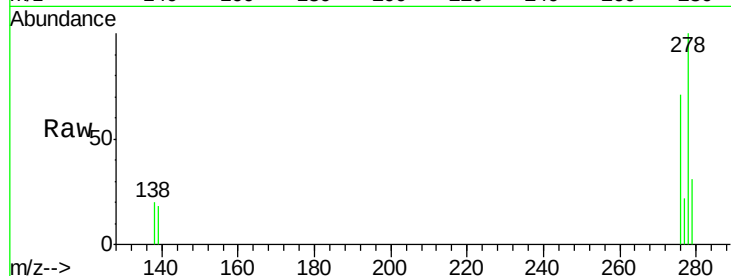
Tot Ion:278 Resp: 29436

Ion Ratio Lower Upper

278 100

139 18.4 13.3 19.9

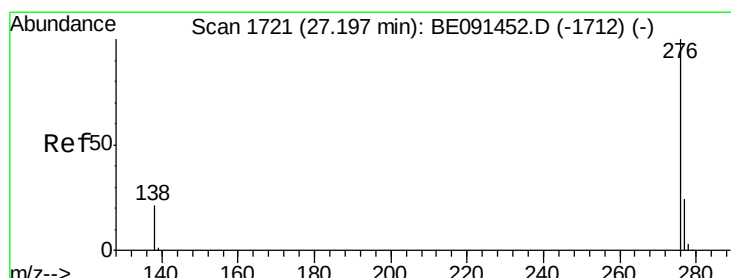
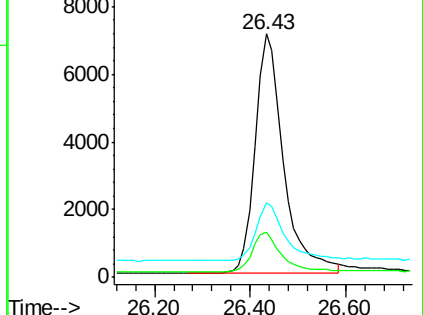
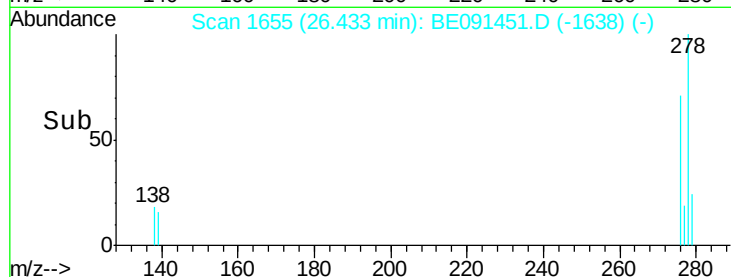
279 30.7 20.9 31.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 0.22 ng

RT: 27.20 min Scan# 1721

Delta R.T. 0.00 min

Lab File: BE091451.D

Acq: 16 Mar 2016 20:01

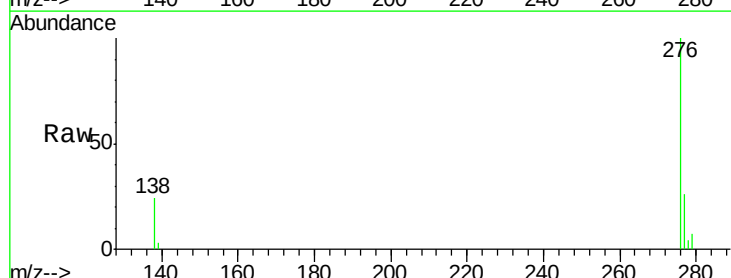
Tgt Ion:276 Resp: 32413

Ion Ratio Lower Upper

276 100

277 25.6 19.8 29.8

138 24.1 17.6 26.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

