

Data Path : Z:\HPCHEM1\BNA_E\Data\BE051916\
 Data File : BE091837.D
 Acq On : 20 May 2016 14:46
 Operator : UM/SJ
 Sample : PB90761BSD
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90761BSD

Quant Time: May 20 17:17:29 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	29627	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	153629	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	92271	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	215741	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	230621	5.00	ng	-0.02
35) Perylene-d12	23.74	264	237069	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	50620	6.54	ng	0.00
5) Phenol-d6	6.97	99	79546	7.29	ng	0.02
8) Nitrobenzene-d5	8.95	82	37708	3.70	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	26875	7.50	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	91193	3.49	ng	-0.01
29) Terphenyl-d14	19.74	244	137581	4.21	ng	-0.02

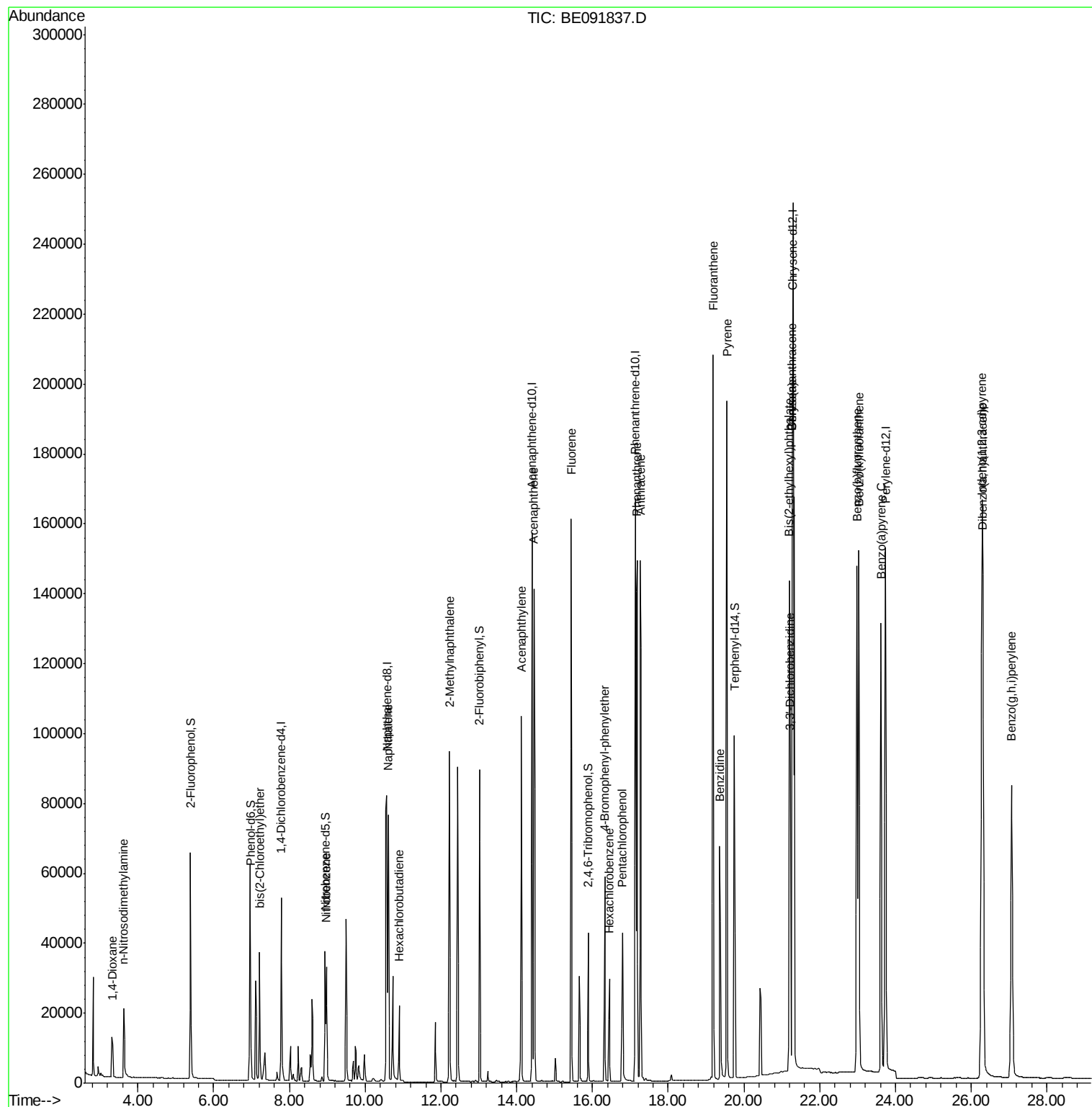
Target Compounds						Qvalue
2) 1,4-Dioxane	3.33	88	9485	2.92	ng	# 92
3) n-Nitrosodimethylamine	3.63	42	15170	3.21	ng	98
6) bis(2-Chloroethyl)ether	7.21	93	28159	3.22	ng	# 77
9) Nitrobenzene	8.98	77	37003	3.53	ng	92
10) Naphthalene	10.61	128	103880	3.06	ng	98
11) Hexachlorobutadiene	10.90	225	16769	3.33	ng	97
12) 2-Methylnaphthalene	12.23	142	74356	3.25	ng	93
16) Acenaphthylene	14.12	152	133620	3.25	ng	# 86
17) Acenaphthene	14.46	154	75342	3.05	ng	88
18) Fluorene	15.44	166	100998	3.15	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	29584	3.67	ng	92
21) Hexachlorobenzene	16.45	284	29027	3.46	ng	98
22) Pentachlorophenol	16.79	266	30792	8.87	ng	90
23) Phenanthrene	17.18	178	196240	4.63	ng	97
24) Anthracene	17.26	178	176383	3.76	ng	99
25) Fluoranthene	19.19	202	210582	3.67	ng	96
27) Benzidine	19.36	184	115361	5.06	ng	# 75
28) Pyrene	19.55	202	218724	4.32	ng	99
30) Benzo(a)anthracene	21.27	228	248049	4.46	ng	# 89
31) 3,3'-Dichlorobenzidine	21.22	252	77979	2.20	ng	# 93
32) Chrysene	21.27	228	247916	5.19	ng	94
33) Bis(2-ethylhexyl)phthalate	21.20	149	147642	4.67	ng	# 80
34) Indeno(1,2,3-cd)pyrene	26.28	276	243162	4.26	ng	96
36) Benzo(b)fluoranthene	22.99	252	234058	3.95	ng	# 94
37) Benzo(k)fluoranthene	23.03	252	197770	3.26	ng	# 96
38) Benzo(a)pyrene	23.62	252	210573	3.72	ng	# 97
39) Dibenzo(a,h)anthracene	26.30	278	202347	3.66	ng	# 95
40) Benzo(g,h,i)perylene	27.07	276	204053	3.58	ng	95

(#) = 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: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

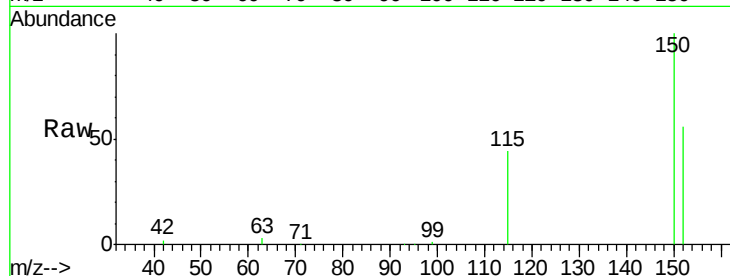
Tgt Ion:152 Resp: 29627

Ion Ratio Lower Upper

152 100

150 179.2 122.6 183.8

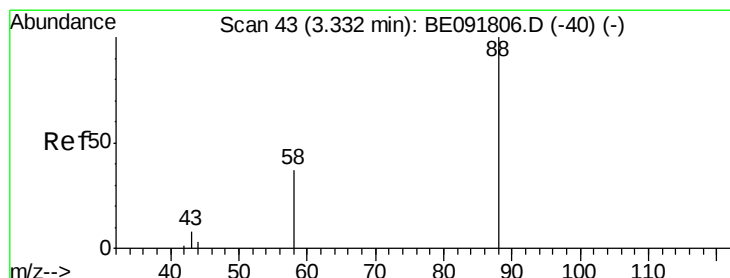
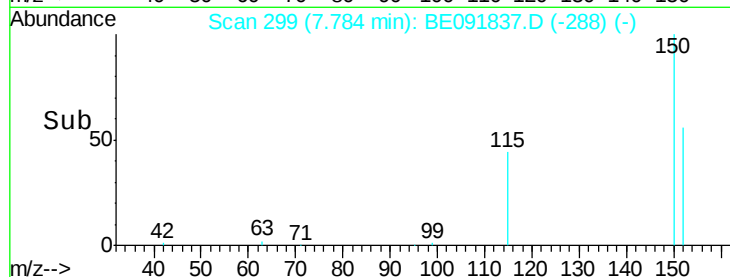
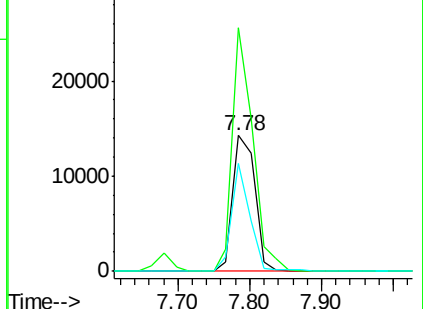
115 79.2 52.8 79.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.92 ng

RT: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

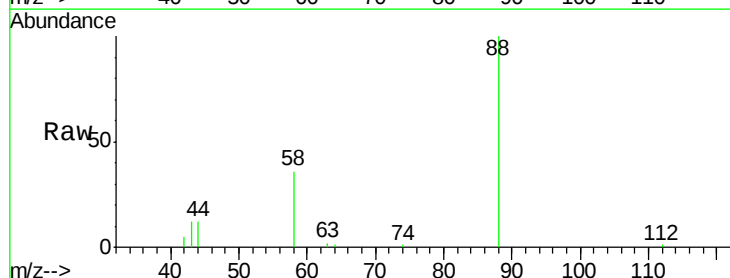
Tgt Ion: 88 Resp: 9485

Ion Ratio Lower Upper

88 100

58 88.3 65.8 98.6

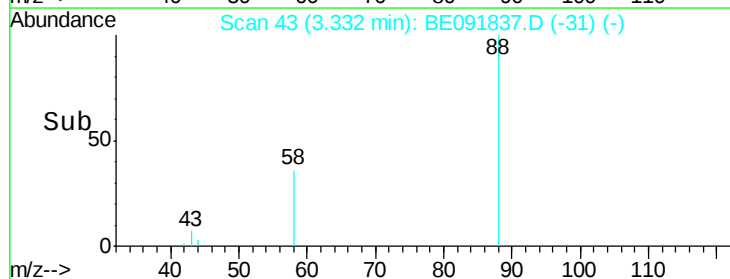
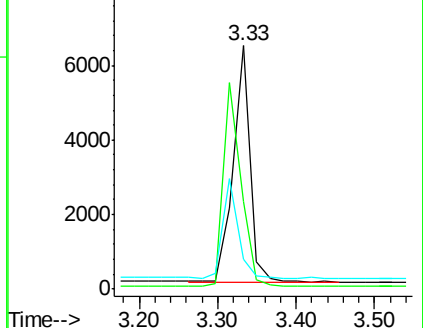
43 37.9 25.3 37.9#

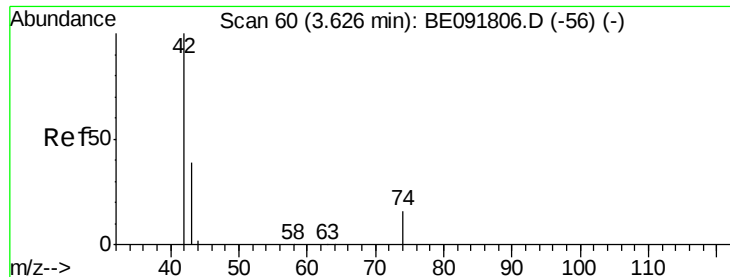


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.21 ng

RT: 3.63 min Scan# 60

Delta R.T. 0.00 min

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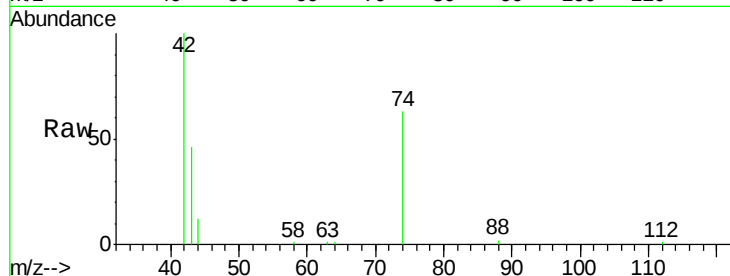
Tgt Ion: 42 Resp: 15170

Ion Ratio Lower Upper

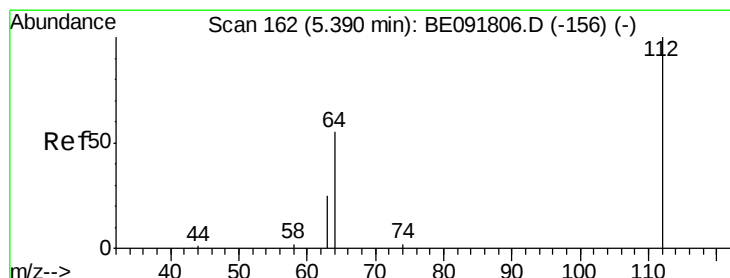
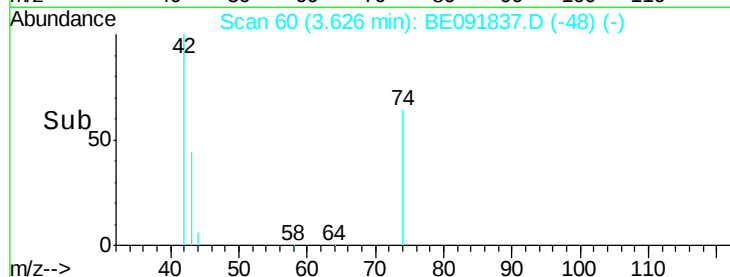
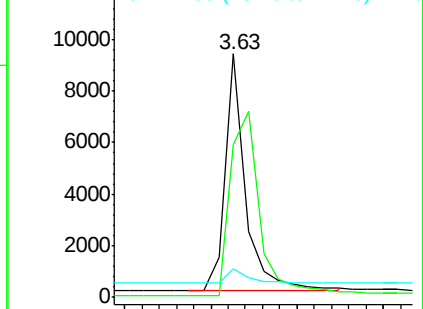
42 100

74 111.4 87.9 131.9

44 6.6 6.6 9.8



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.54 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

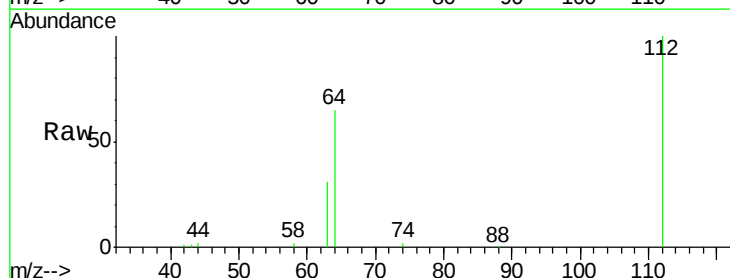
Tgt Ion: 112 Resp: 50620

Ion Ratio Lower Upper

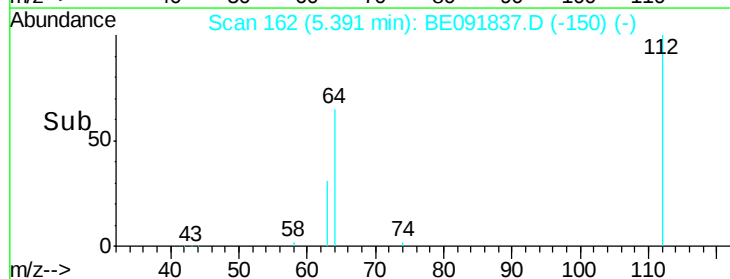
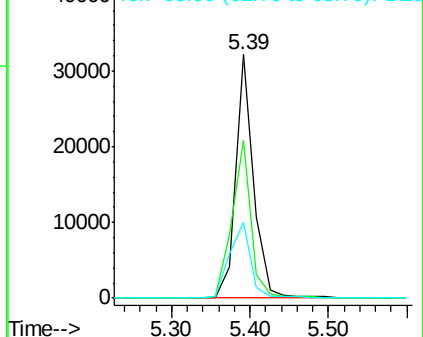
112 100

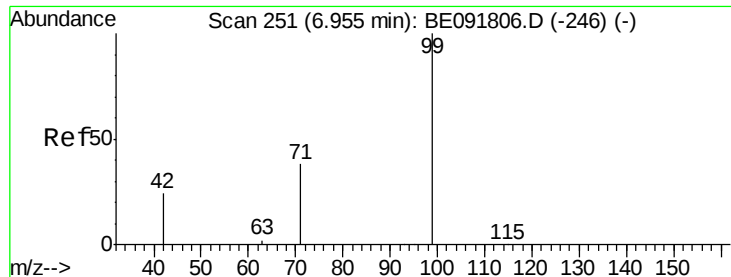
64 67.8 30.9 46.3#

63 36.1 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.29 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.02 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

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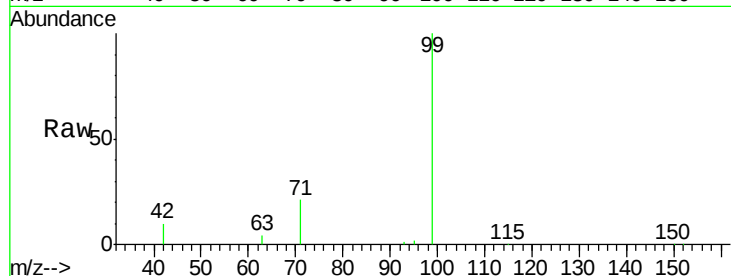
Tgt Ion: 99 Resp: 79546

Ion Ratio Lower Upper

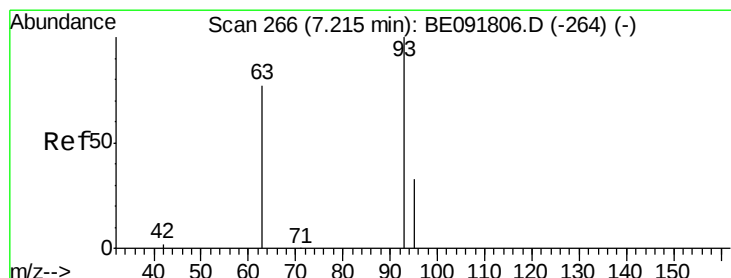
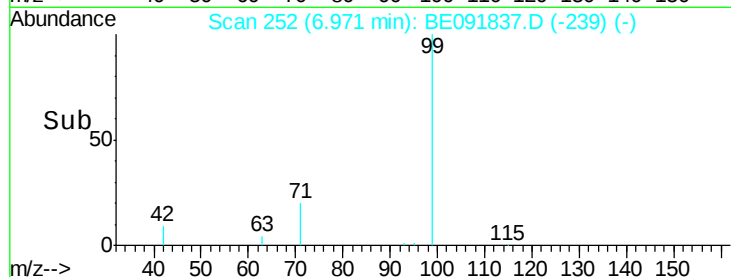
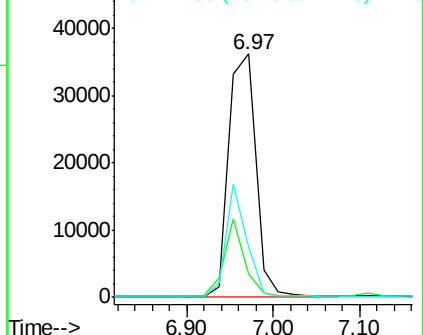
99 100

42 24.4 16.2 24.2#

71 35.7 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



#6

bis(2-Chloroethyl)ether

Concen: 3.22 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

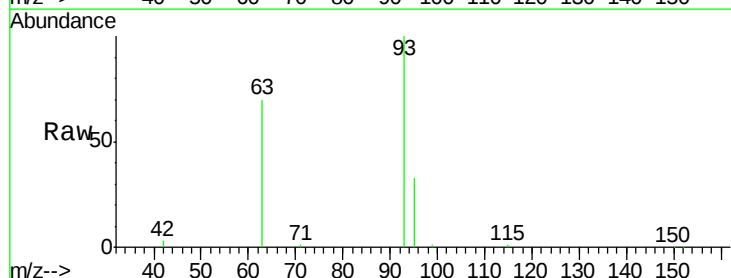
Tgt Ion: 93 Resp: 28159

Ion Ratio Lower Upper

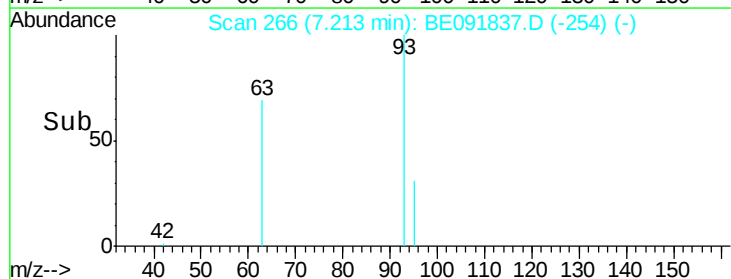
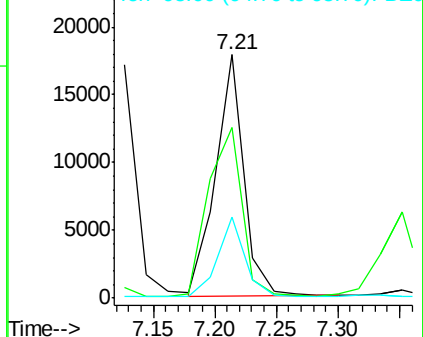
93 100

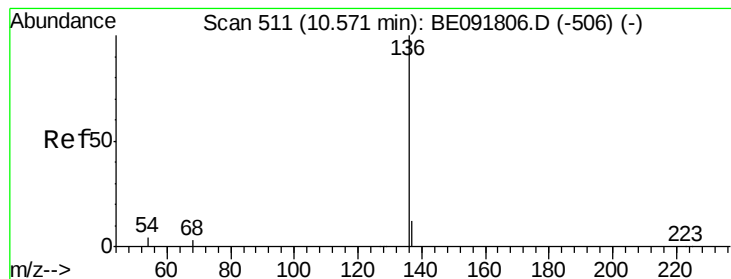
63 84.9 49.5 74.3#

95 32.5 22.2 33.4



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

Tgt Ion: 136 Resp: 153629

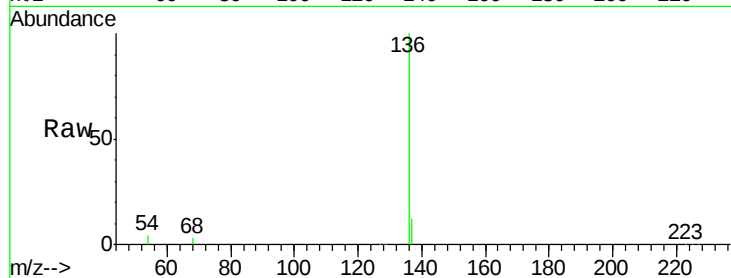
Ion Ratio Lower Upper

136 100

137 12.1 8.9 13.3

54 3.9 8.2 12.4#

68 3.4 6.2 9.4#

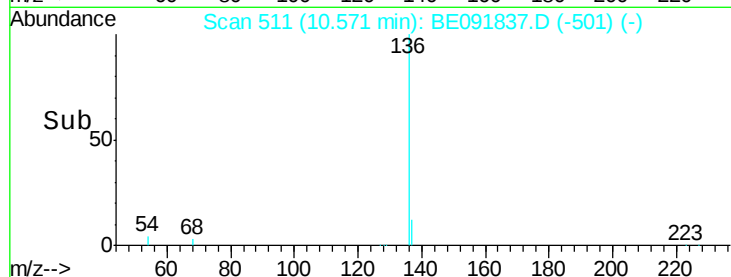


Abundance Ion 136.00 (135.70 to 136.70): E

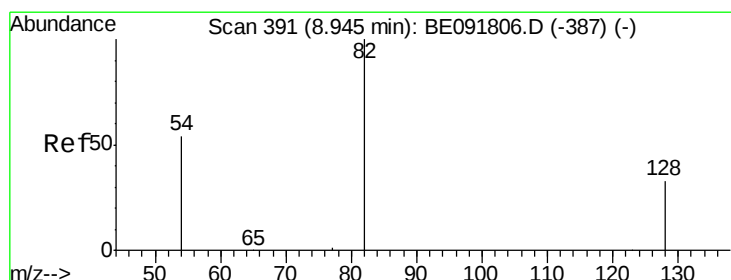
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 3.70 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

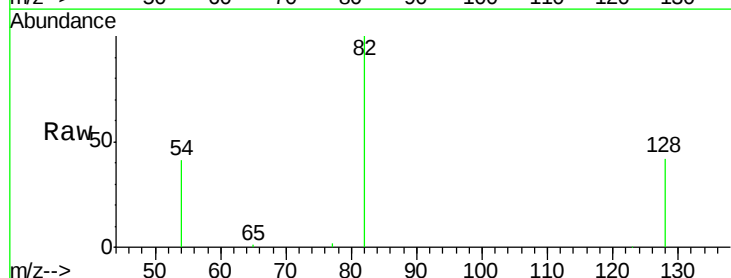
Tgt Ion: 82 Resp: 37708

Ion Ratio Lower Upper

82 100

128 41.7 25.4 38.0#

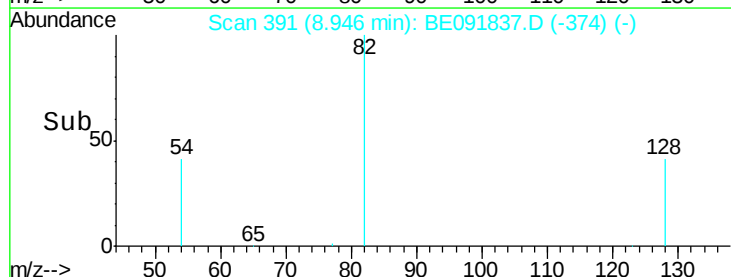
54 41.4 48.4 72.6#



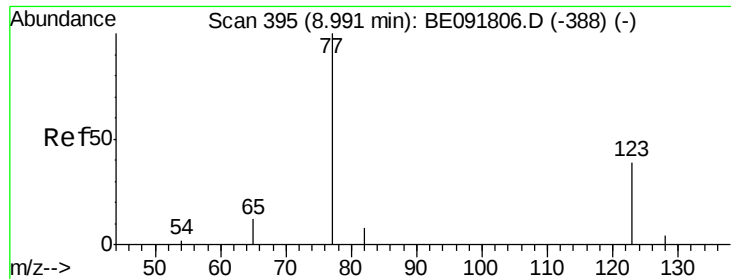
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



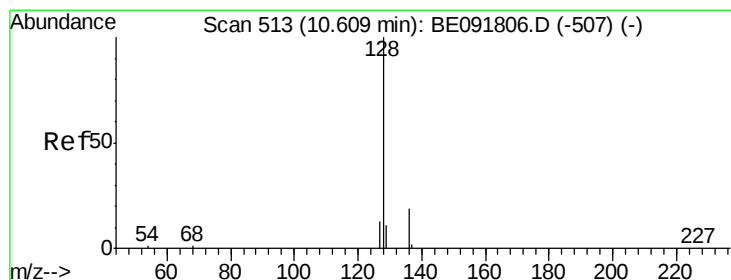
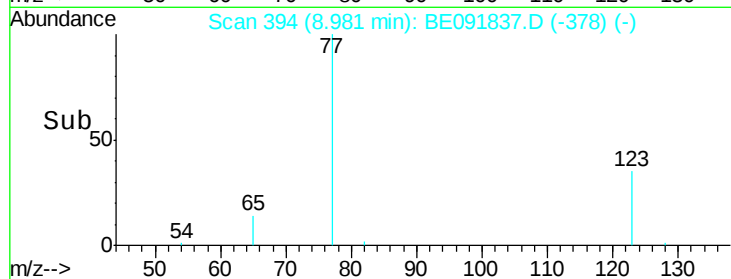
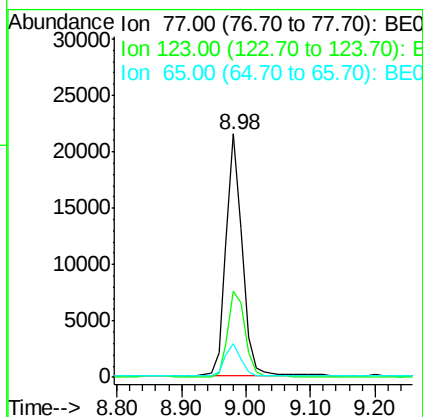
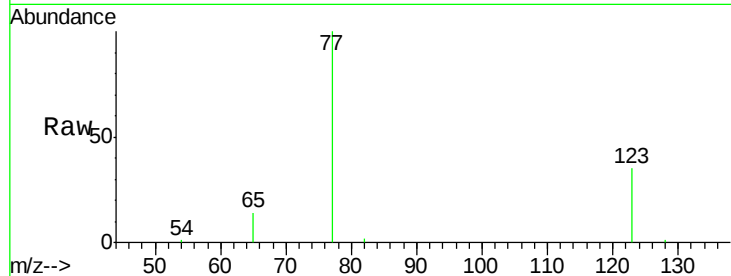
Time-->



#9
 Nitrobenzene
 Concen: 3.53 ng
 RT: 8.98 min Scan# 394
 Delta R.T. -0.01 min
 Lab File: BE091837.D
 Acq: 20 May 2016 14:46

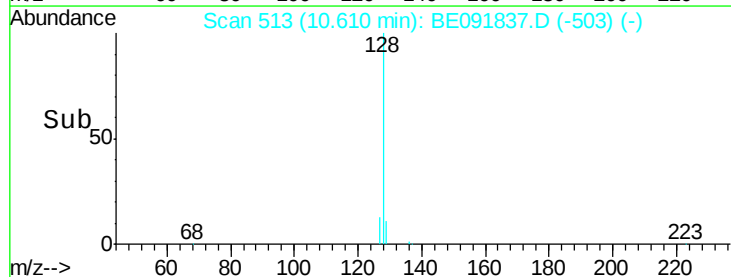
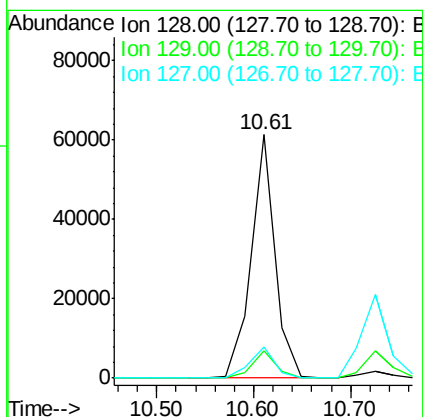
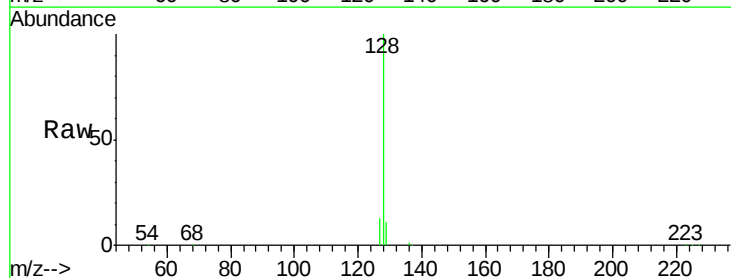
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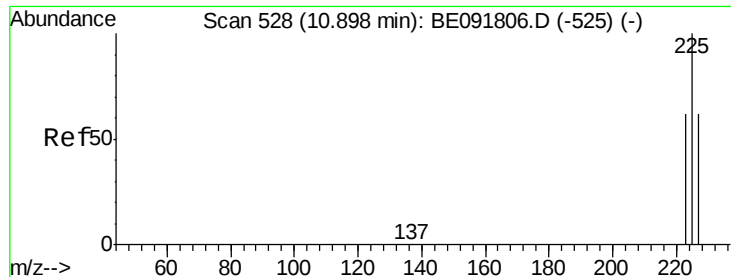
Tgt Ion: 77 Resp: 37003
 Ion Ratio Lower Upper
 77 100
 123 38.4 26.9 40.3
 65 14.1 9.4 14.2



#10
 Naphthalene
 Concen: 3.06 ng
 RT: 10.61 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BE091837.D
 Acq: 20 May 2016 14:46

Tgt Ion: 128 Resp: 103880
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.3 13.9
 127 12.7 10.7 16.1

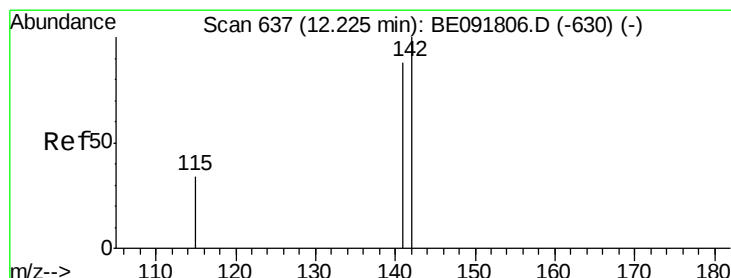
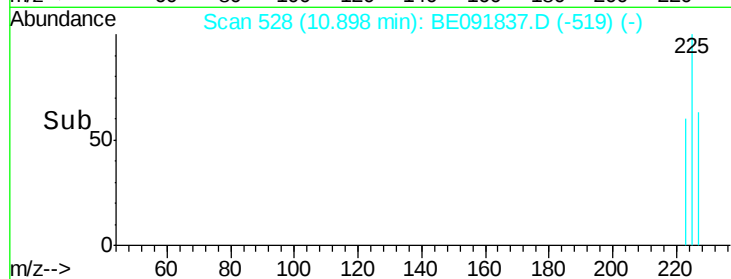
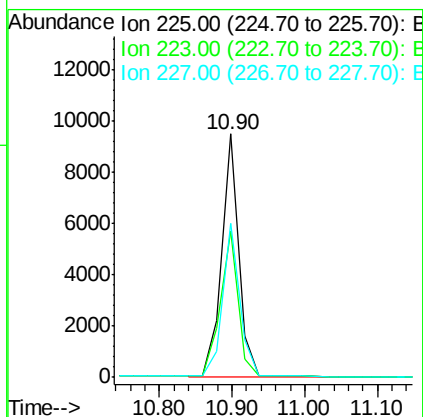
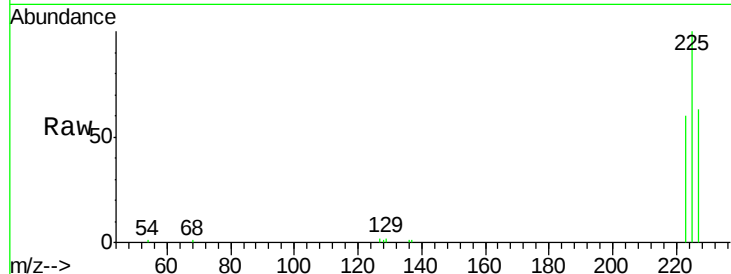




#11
Hexachlorobutadiene
Concen: 3.33 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

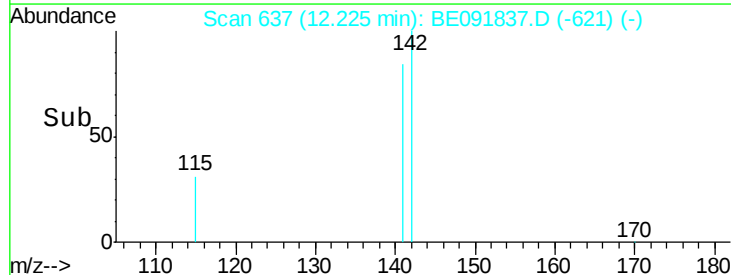
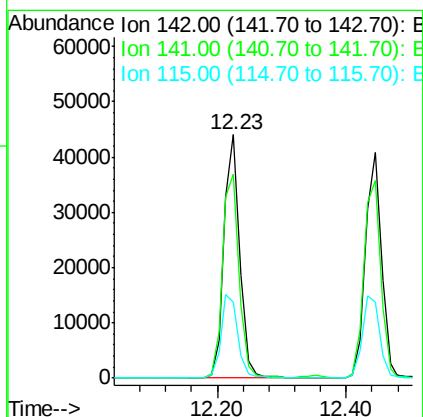
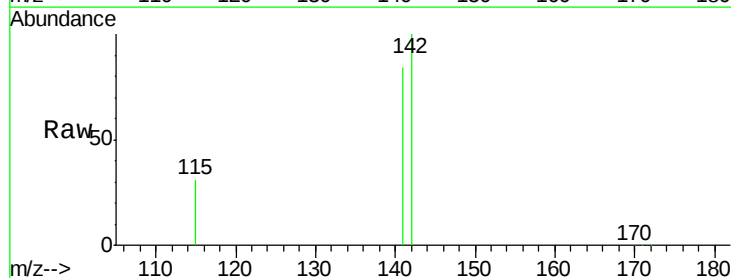
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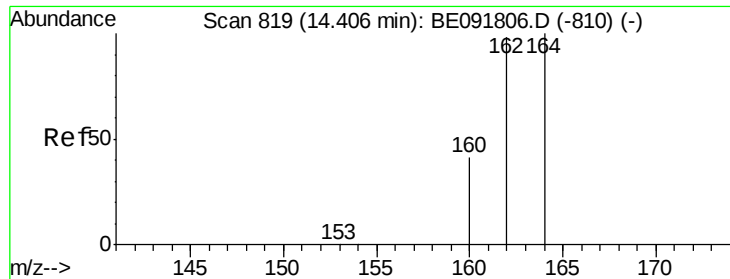
Tgt Ion: 225 Resp: 16769
Ion Ratio Lower Upper
225 100
223 63.7 49.0 73.6
227 64.6 50.3 75.5



#12
2-Methylnaphthalene
Concen: 3.25 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion: 142 Resp: 74356
Ion Ratio Lower Upper
142 100
141 83.8 71.4 107.0
115 31.3 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

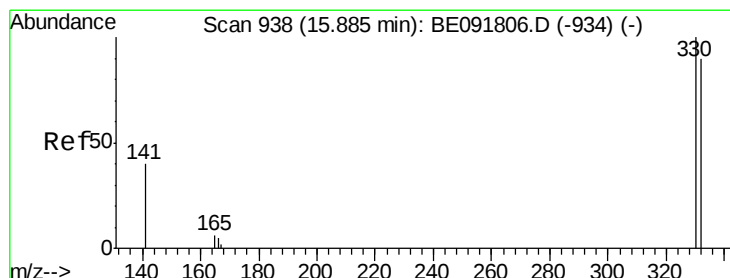
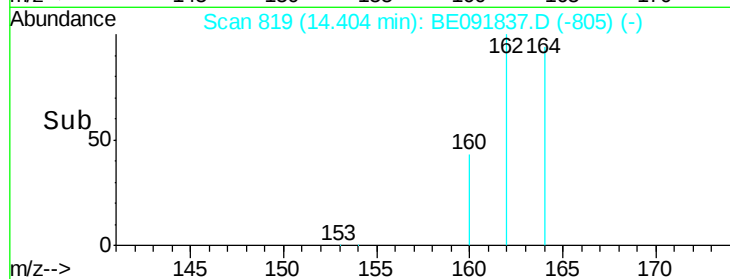
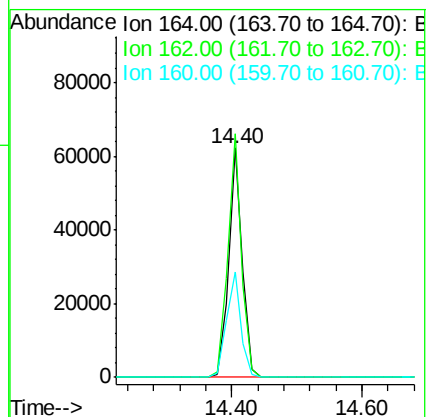
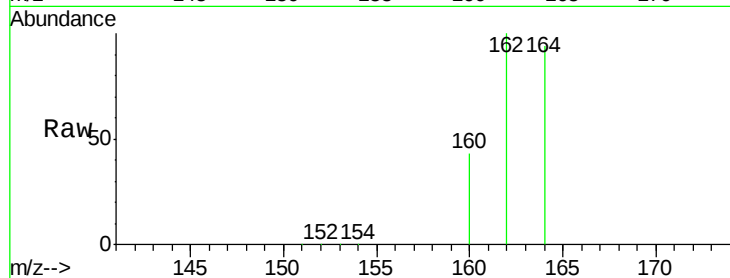
Tgt Ion:164 Resp: 92271

Ion Ratio Lower Upper

164 100

162 106.3 85.3 127.9

160 46.1 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 7.50 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

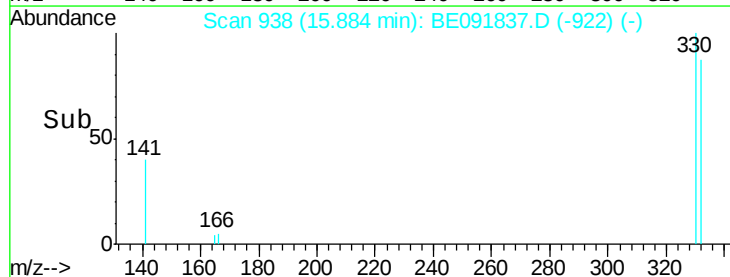
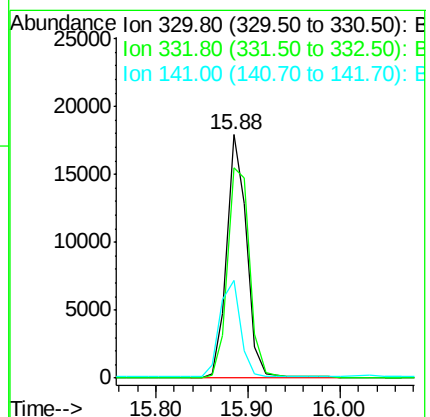
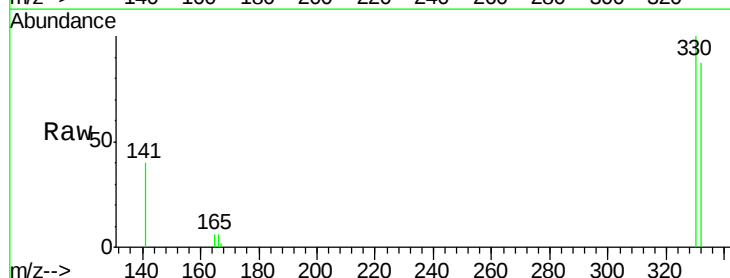
Tgt Ion:330 Resp: 26875

Ion Ratio Lower Upper

330 100

332 96.7 79.1 118.7

141 41.4 125.4 188.0#

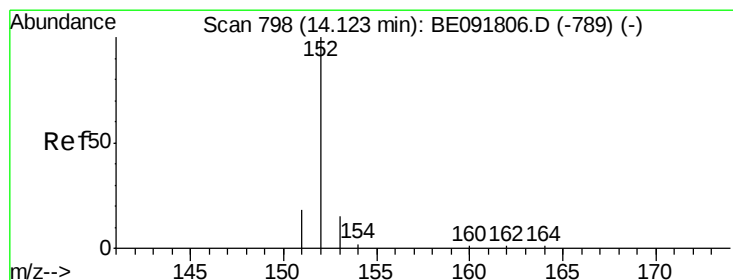
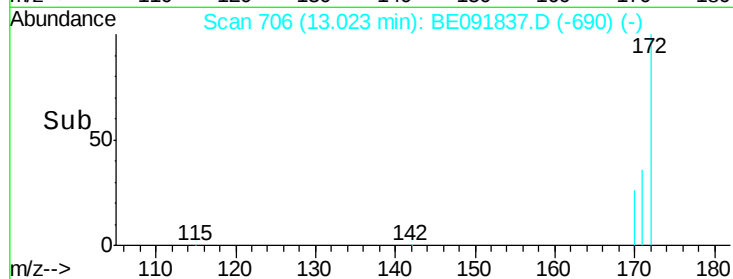
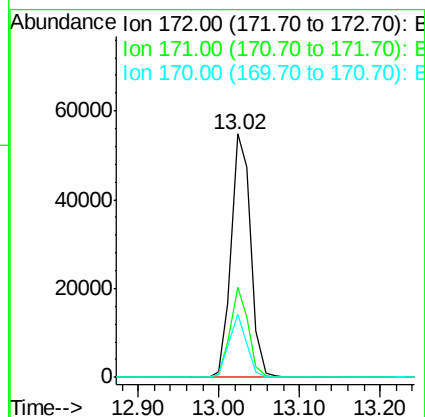
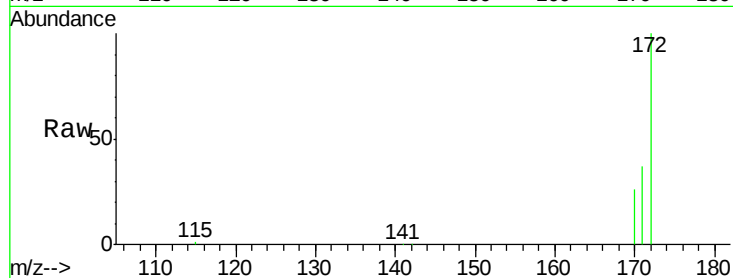




#15
2-Fluorobiphenyl
Concen: 3.49 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

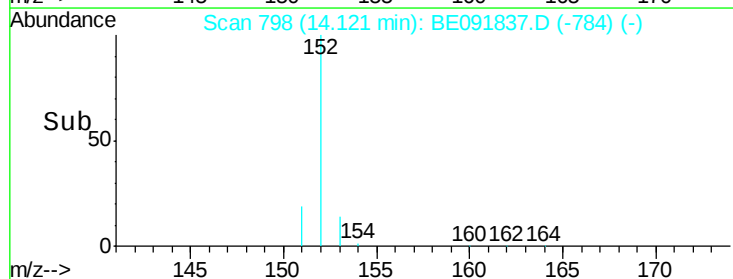
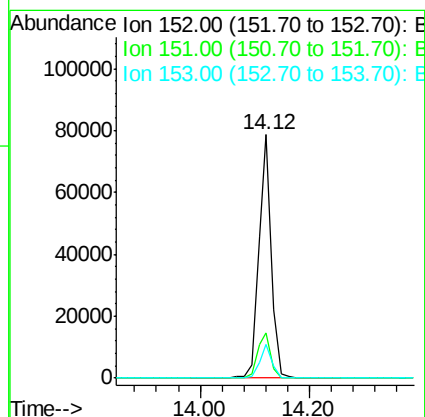
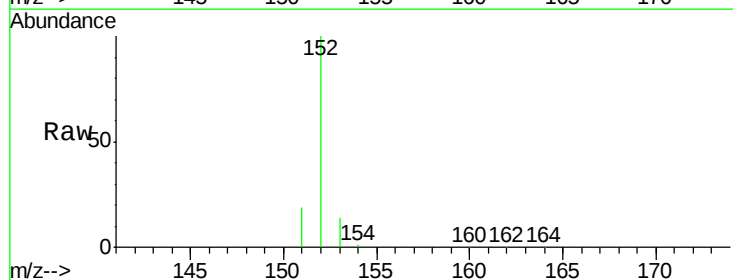
Instrument :
BNA_E
ClientSampleId :
PB90761BSD

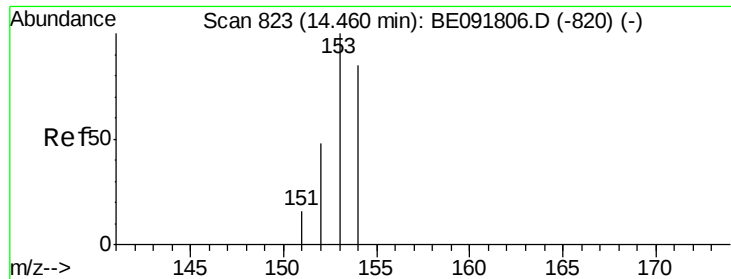
Tgt Ion:172 Resp: 91193
Ion Ratio Lower Upper
172 100
171 36.7 28.8 43.2
170 25.8 19.3 28.9



#16
Acenaphthylene
Concen: 3.25 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:152 Resp: 133620
Ion Ratio Lower Upper
152 100
151 20.4 3.9 5.9#
153 13.8 10.3 15.5

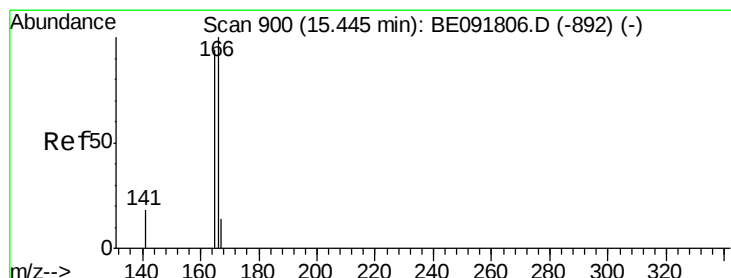
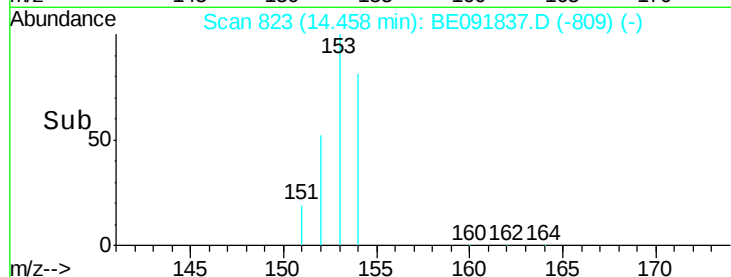
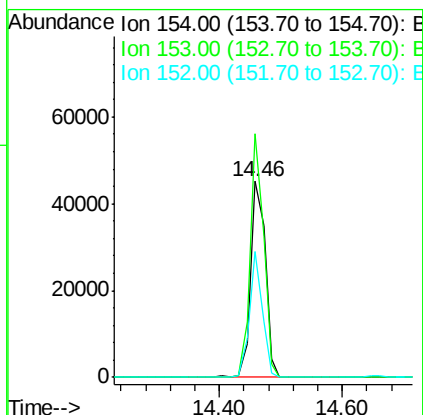
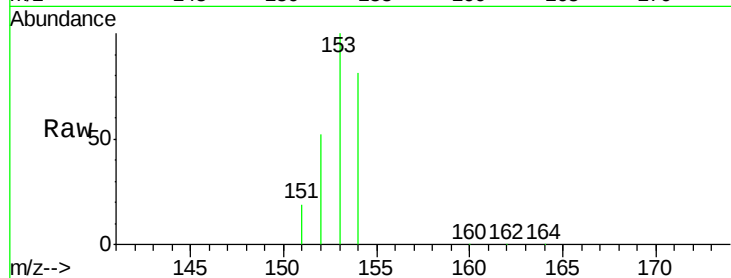




#17
Acenaphthene
Concen: 3.05 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

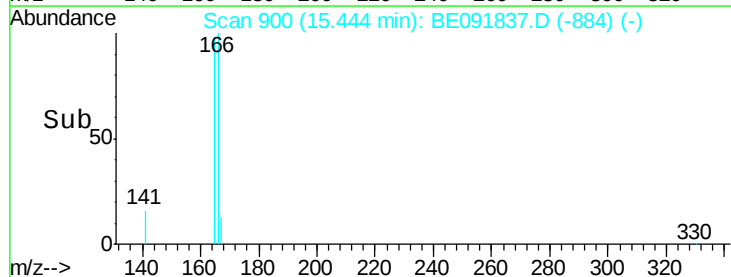
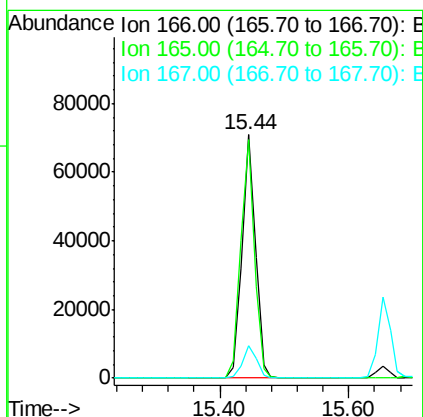
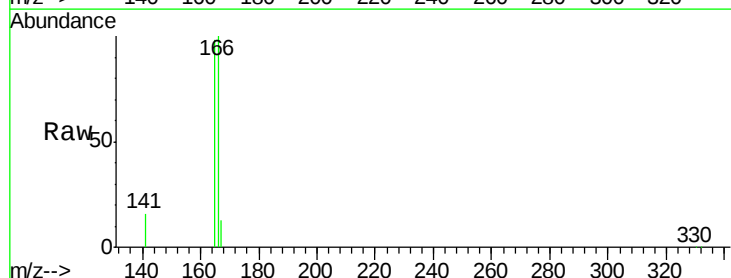
Instrument :
BNA_E
ClientSampleId :
PB90761BSD

Tgt Ion:154 Resp: 75342
Ion Ratio Lower Upper
154 100
153 113.0 80.0 120.0
152 55.9 40.0 60.0



#18
Fluorene
Concen: 3.15 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:166 Resp: 100998
Ion Ratio Lower Upper
166 100
165 99.1 80.8 121.2
167 13.5 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

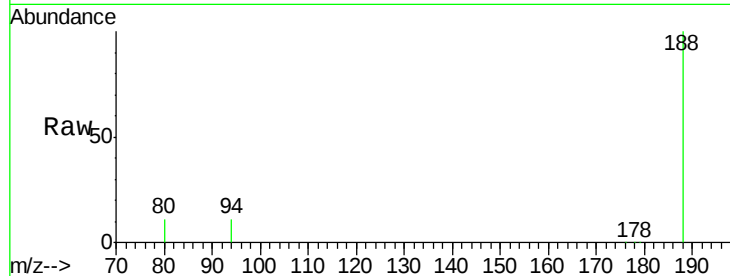
Tgt Ion:188 Resp: 215741

Ion Ratio Lower Upper

188 100

94 11.2 8.7 13.1

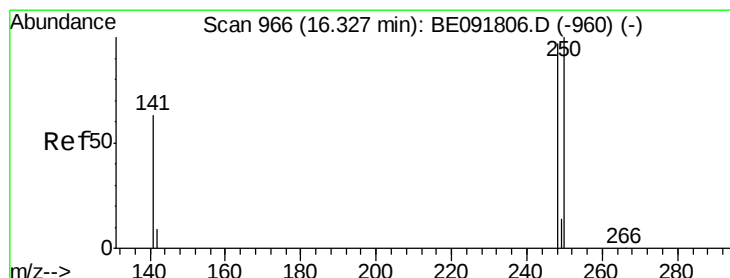
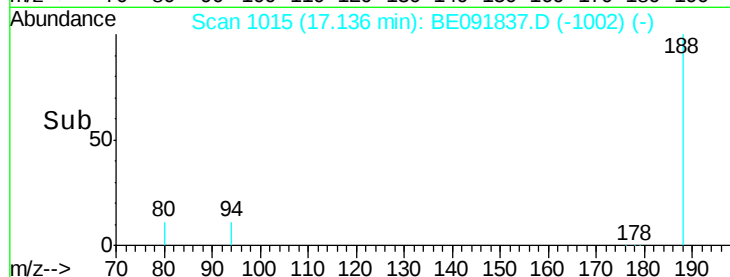
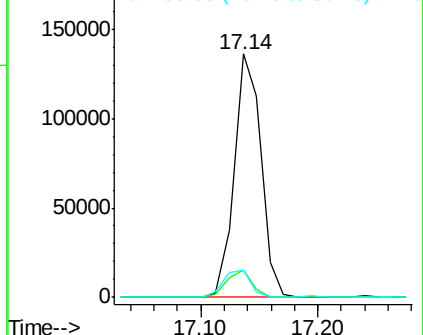
80 11.1 9.4 14.0



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



#20

4-Bromophenyl-phenylether

Concen: 3.67 ng

RT: 16.33 min Scan# 966

Delta R.T. -0.00 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

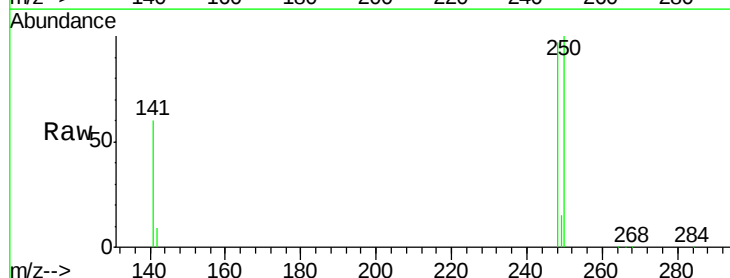
Tgt Ion:248 Resp: 29584

Ion Ratio Lower Upper

248 100

250 97.5 80.5 120.7

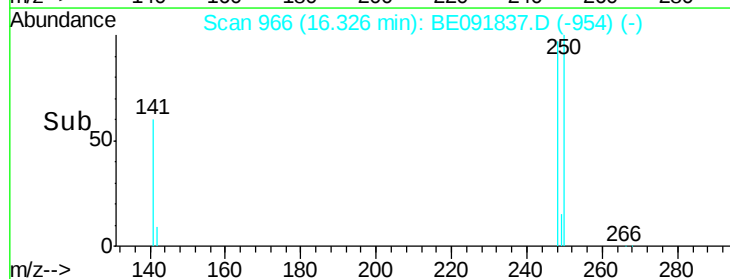
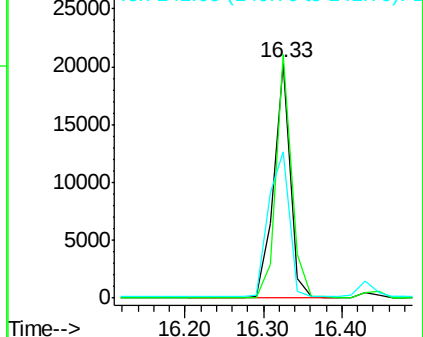
141 78.2 72.0 108.0

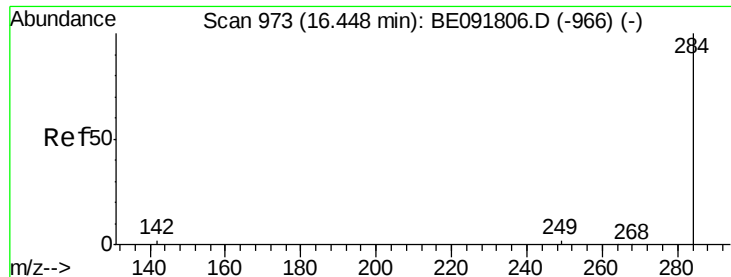


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

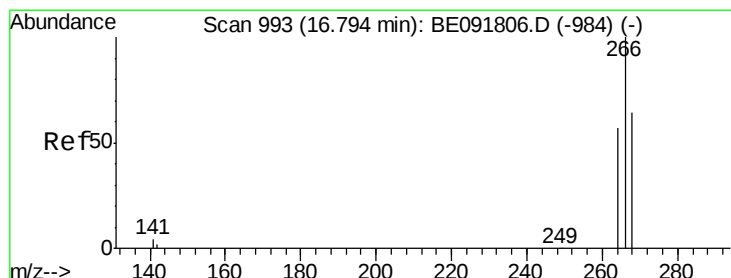
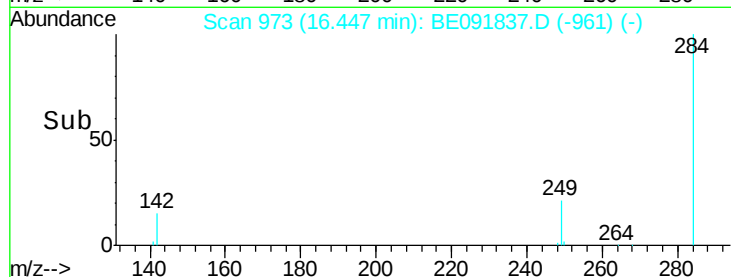
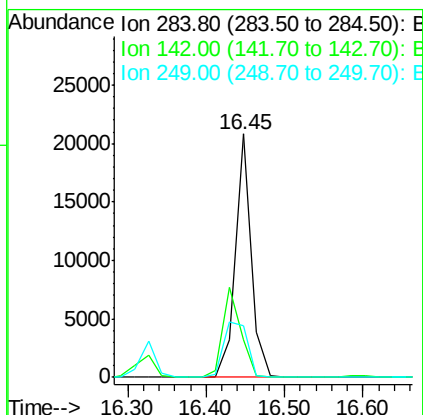
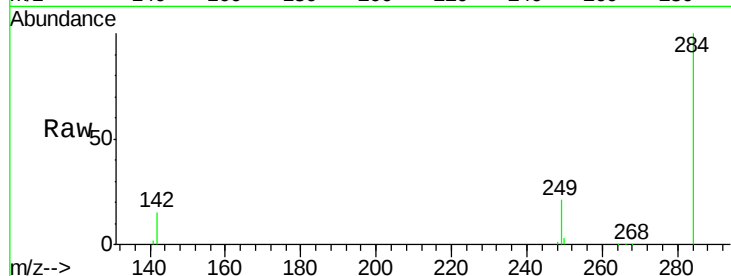




#21
Hexachlorobenzene
Concen: 3.46 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

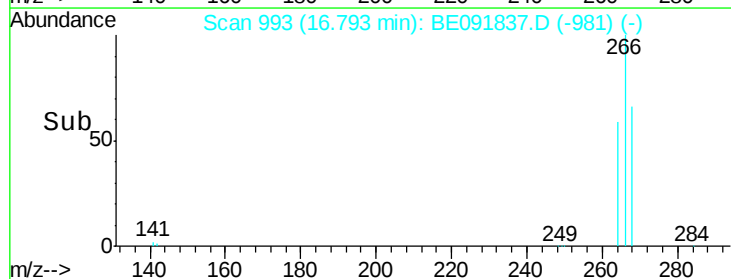
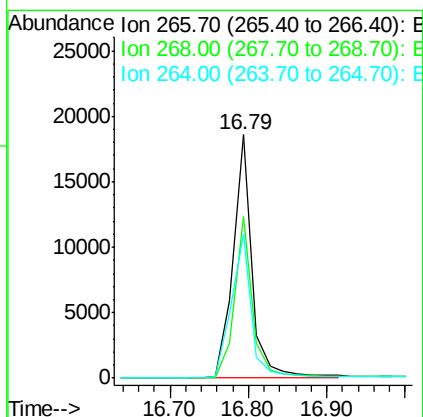
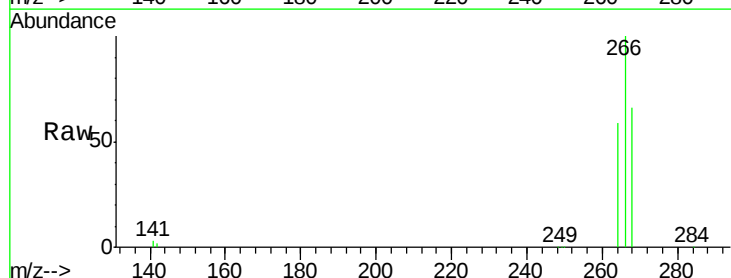
Instrument :
BNA_E
ClientSampleId :
PB90761BSD

Tgt Ion:284 Resp: 29027
Ion Ratio Lower Upper
284 100
142 40.5 32.2 48.2
249 33.5 25.4 38.2



#22
Pentachlorophenol
Concen: 8.87 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091837.D
Acq: 20 May 2016 14:46

Tgt Ion:266 Resp: 30792
Ion Ratio Lower Upper
266 100
268 66.4 58.2 87.2
264 59.1 56.2 84.4





#23

Phenanthrene

Concen: 4.63 ng

RT: 17.18 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

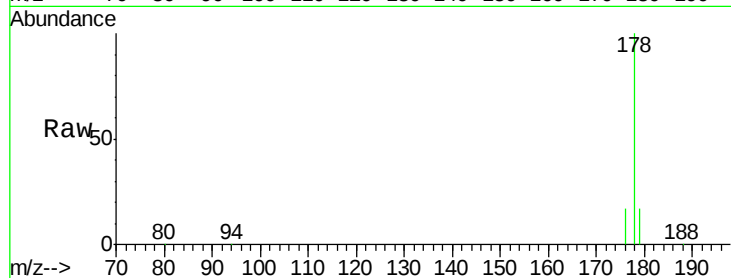
Tgt Ion:178 Resp: 196240

Ion Ratio Lower Upper

178 100

176 17.7 15.3 22.9

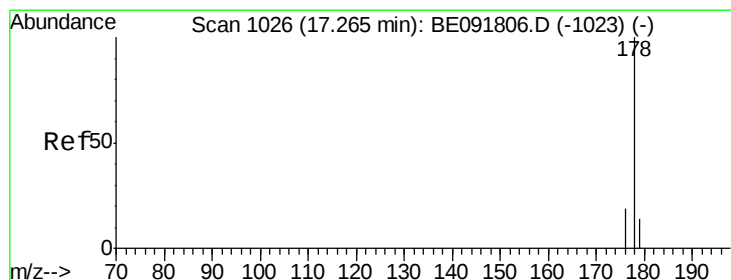
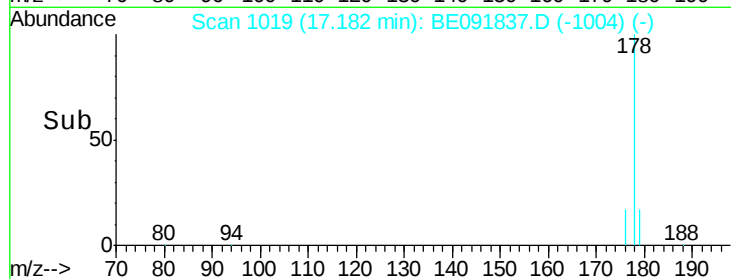
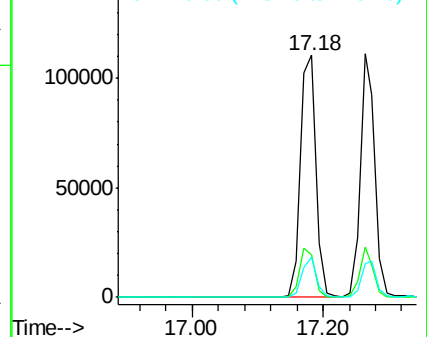
179 14.1 12.6 18.8



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



#24

Anthracene

Concen: 3.76 ng

RT: 17.26 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

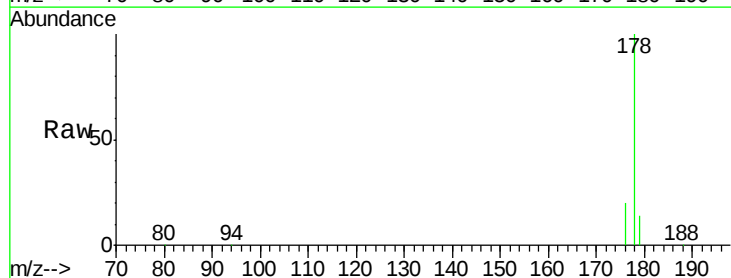
Tgt Ion:178 Resp: 176383

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

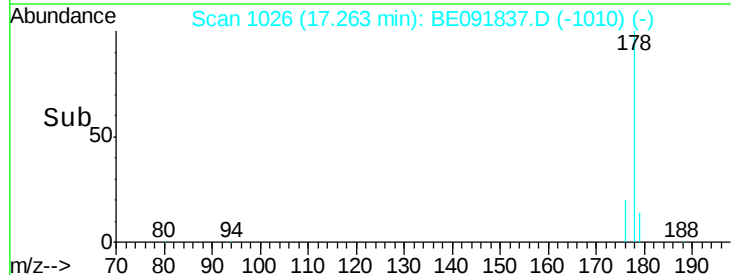
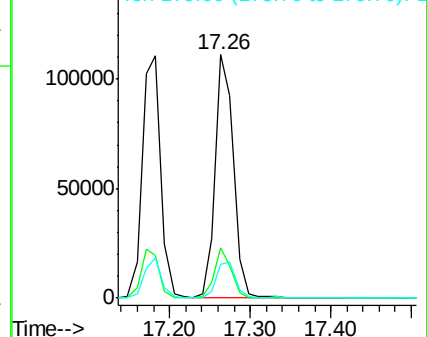
179 15.3 11.8 17.6



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





#25

Fluoranthene

Concen: 3.67 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

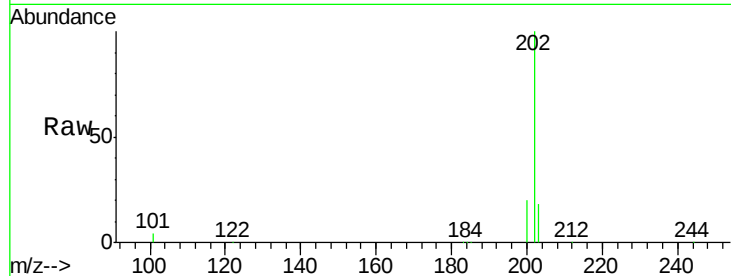
Tgt Ion: 202 Resp: 210582

Ion Ratio Lower Upper

202 100

101 11.3 11.0 16.6

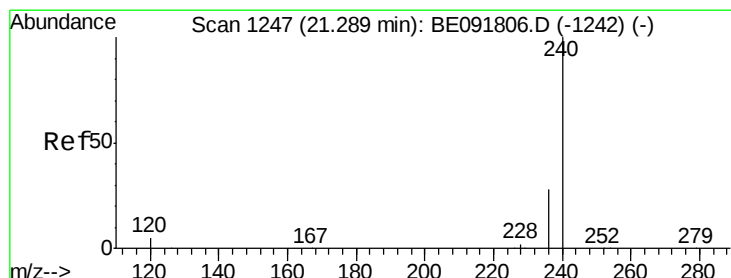
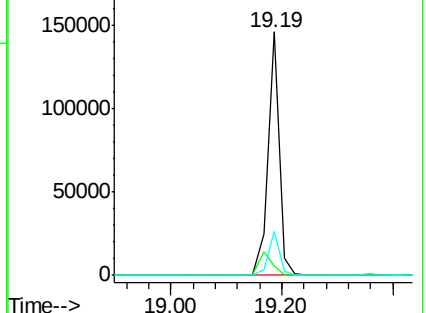
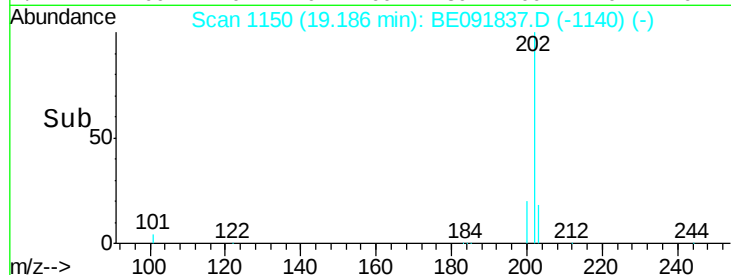
203 18.1 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

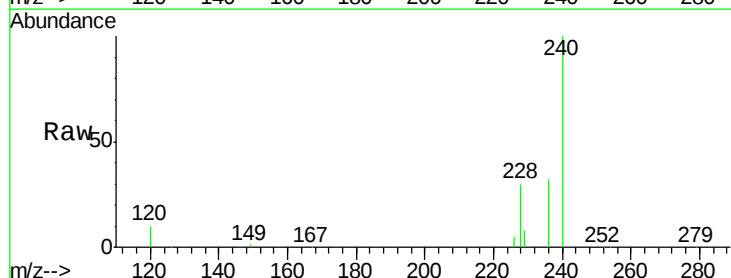
Tgt Ion: 240 Resp: 230621

Ion Ratio Lower Upper

240 100

120 10.1 11.0 16.4#

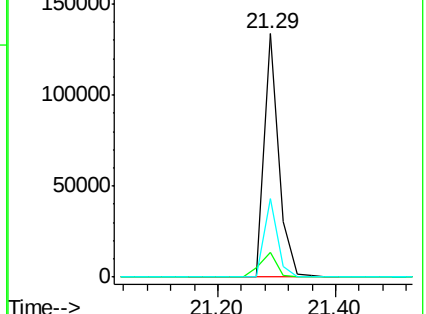
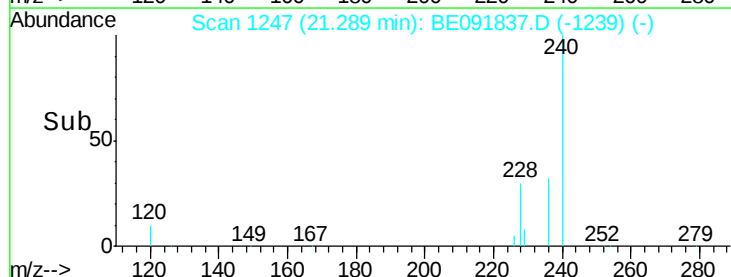
236 32.3 21.7 32.5

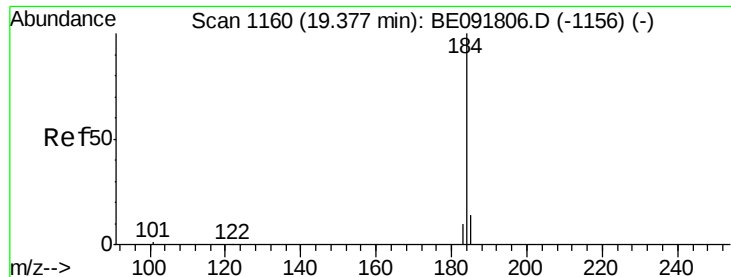


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 5.06 ng

RT: 19.36 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

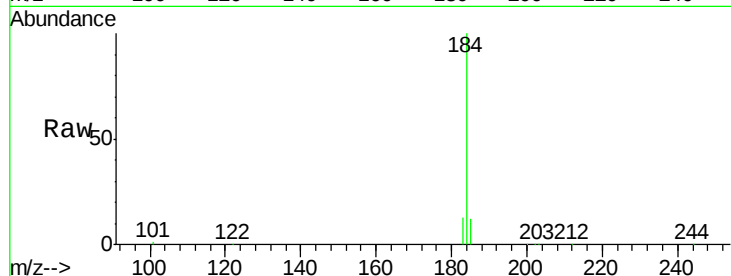
Tgt Ion:184 Resp: 115361

Ion Ratio Lower Upper

184 100

185 11.7 22.3 33.5#

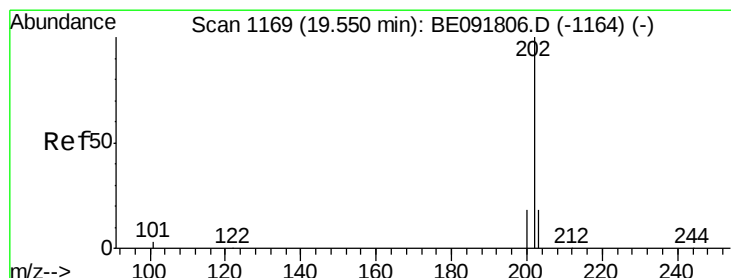
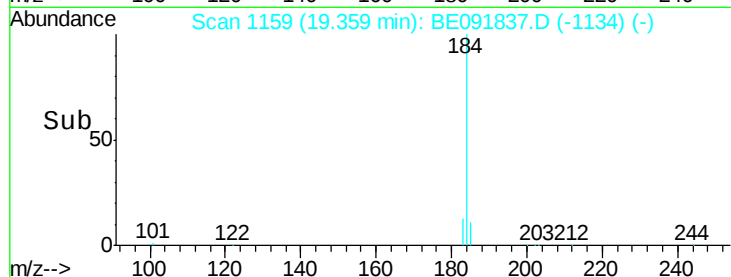
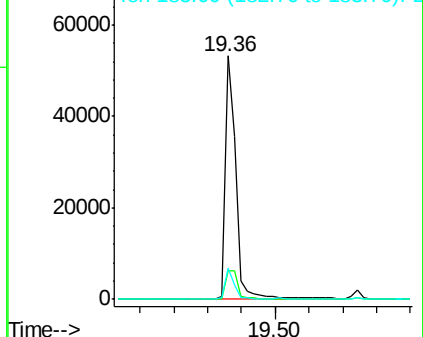
183 12.9 16.4 24.6#



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



#28

Pyrene

Concen: 4.32 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

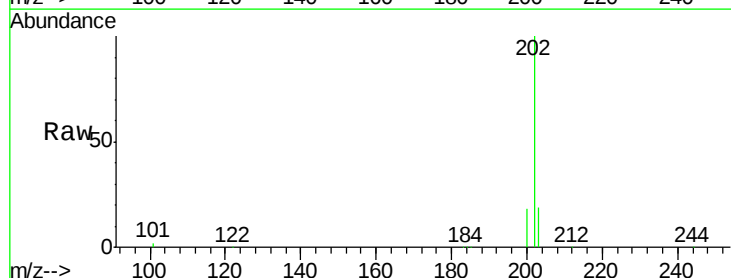
Tgt Ion:202 Resp: 218724

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

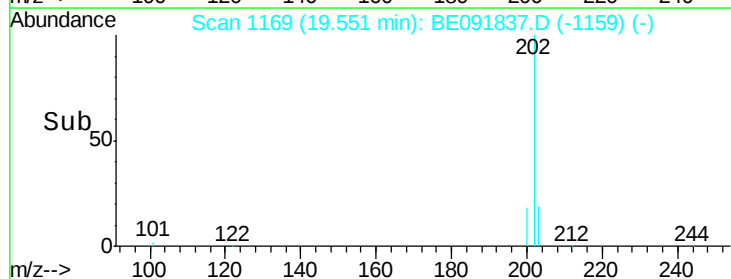
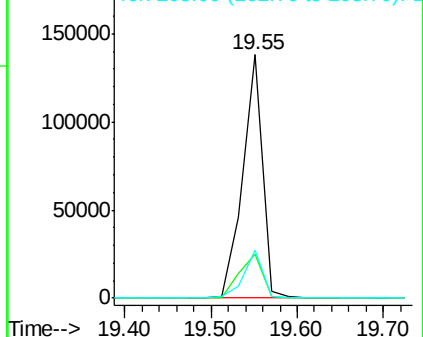
203 18.6 14.0 21.0

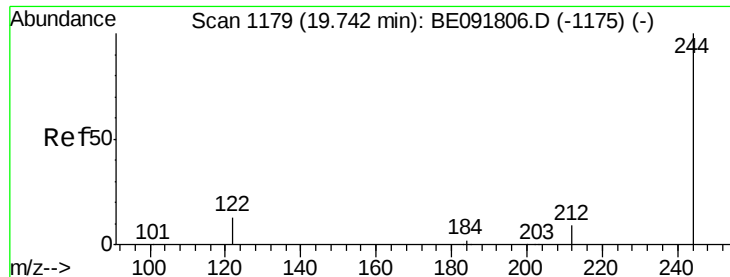


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.21 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

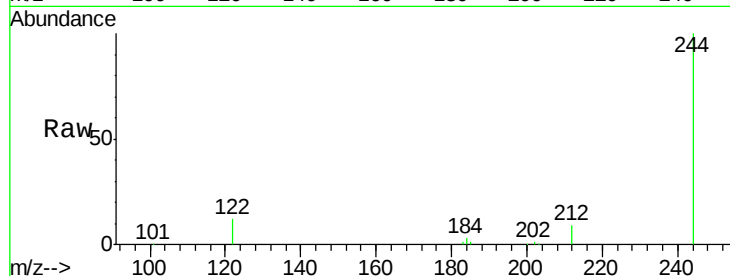
Tgt Ion:244 Resp: 137581

Ion Ratio Lower Upper

244 100

212 9.5 6.9 10.3

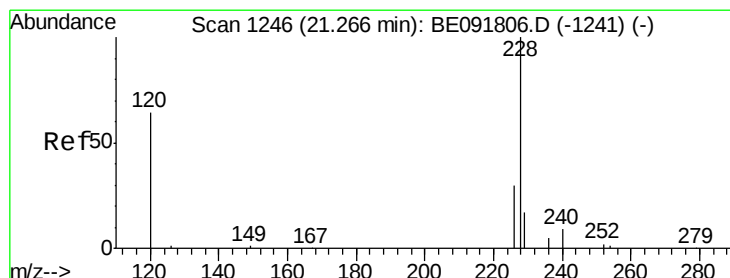
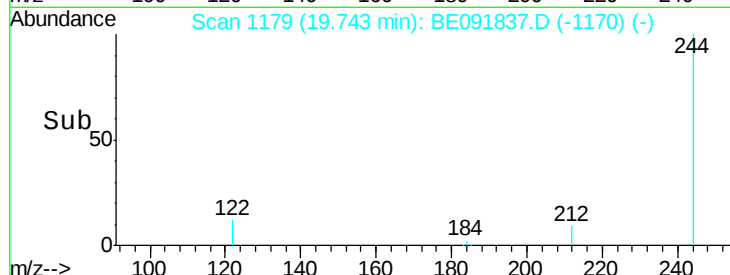
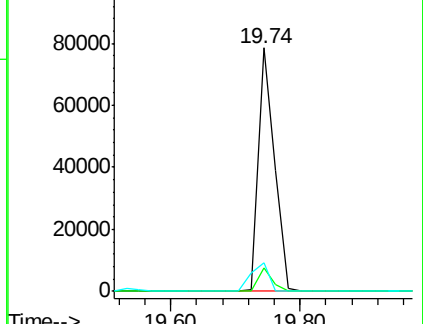
122 11.9 11.0 16.4



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: 4.46 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

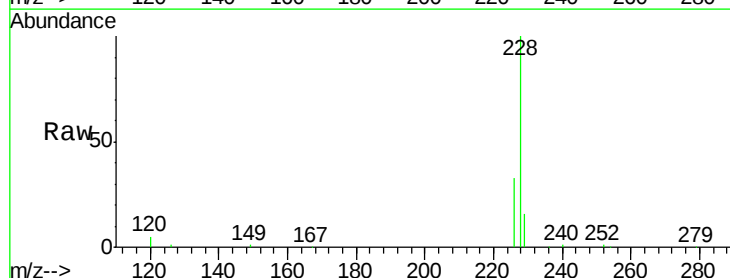
Tgt Ion:228 Resp: 248049

Ion Ratio Lower Upper

228 100

226 32.9 21.0 31.4#

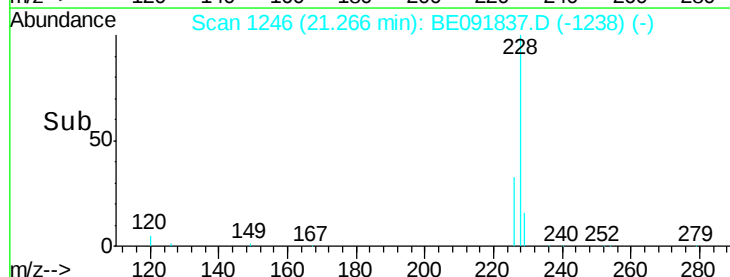
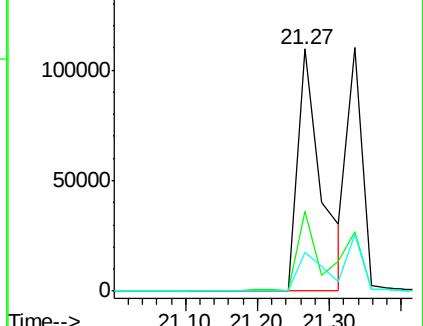
229 16.1 15.7 23.5



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

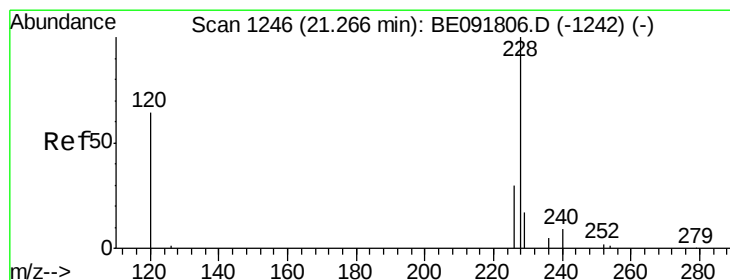
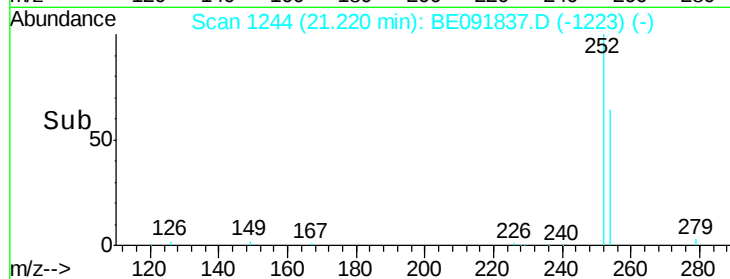
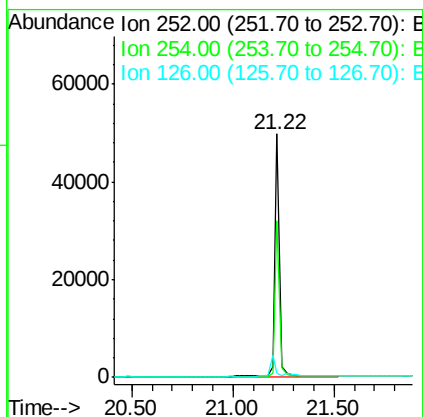
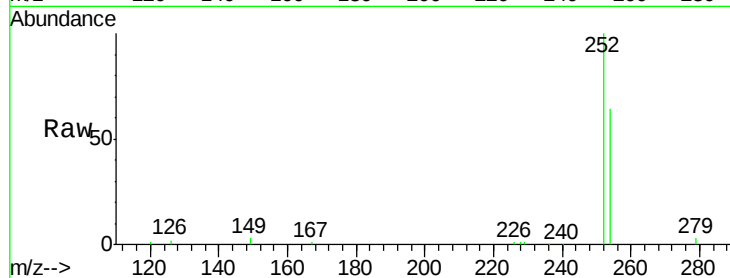




#31
 3,3'-Dichlorobenzidine
 Concen: 2.20 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091837.D
 Acq: 20 May 2016 14:46

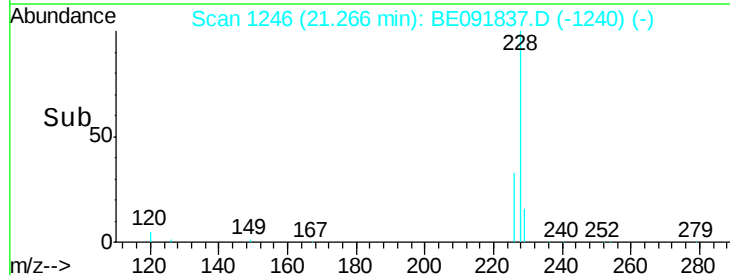
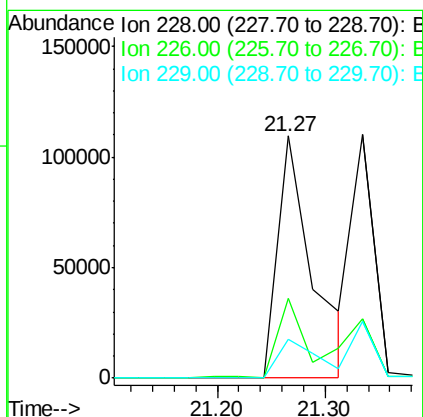
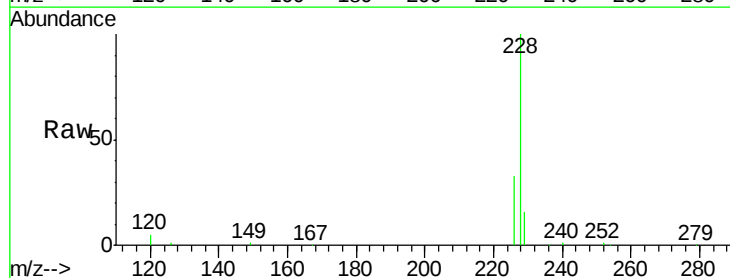
Instrument :
 BNA_E
 ClientSampleId :
 PB90761BSD

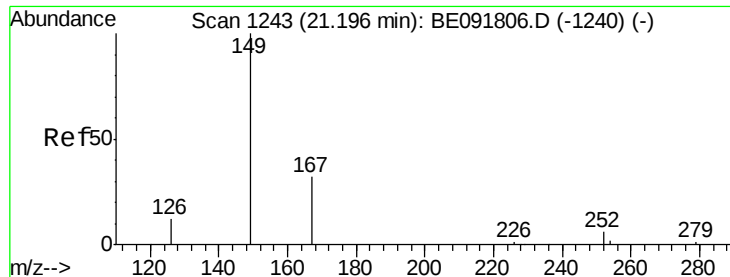
Tgt Ion: 252 Resp: 77979
 Ion Ratio Lower Upper
 252 100
 254 64.4 51.1 76.7
 126 1.9 12.6 18.8#



#32
 Chrysene
 Concen: 5.19 ng
 RT: 21.27 min Scan# 1246
 Delta R.T. -0.07 min
 Lab File: BE091837.D
 Acq: 20 May 2016 14:46

Tgt Ion: 228 Resp: 247916
 Ion Ratio Lower Upper
 228 100
 226 32.9 24.0 36.0
 229 16.1 15.9 23.9





#33

Bis(2-ethylhexyl)phthalate

Concen: 4.67 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

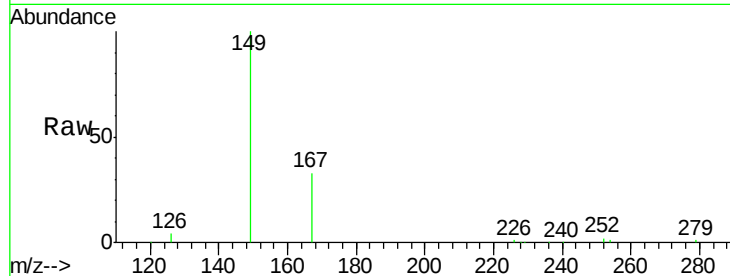
Tgt Ion:149 Resp: 147642

Ion Ratio Lower Upper

149 100

167 31.7 19.5 29.3#

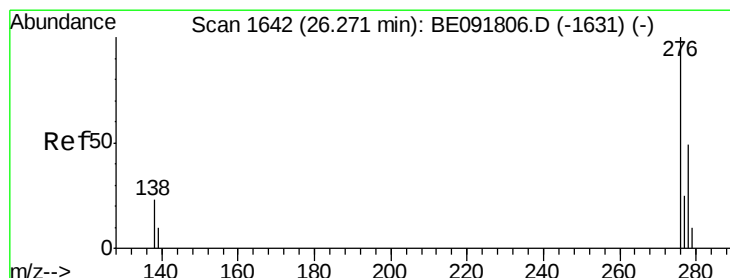
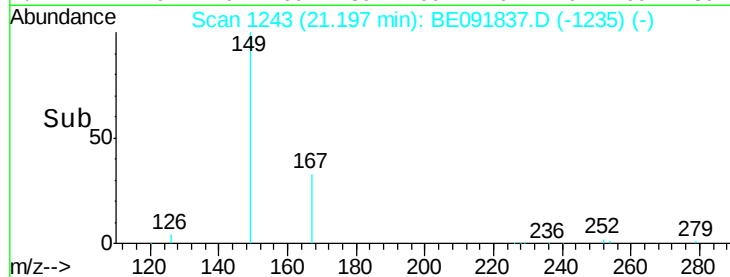
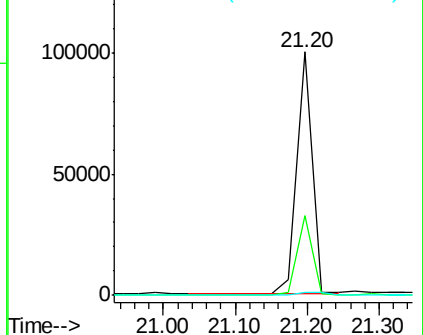
279 0.0 10.0 15.0#



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



#34

Indeno(1,2,3-cd)pyrene

Concen: 4.26 ng

RT: 26.28 min Scan# 1643

Delta R.T. -0.02 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

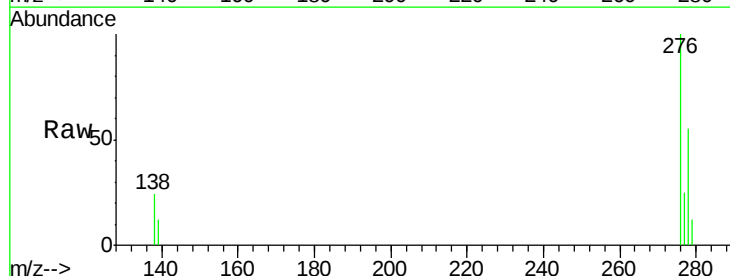
Tgt Ion:276 Resp: 243162

Ion Ratio Lower Upper

276 100

138 25.0 23.4 35.2

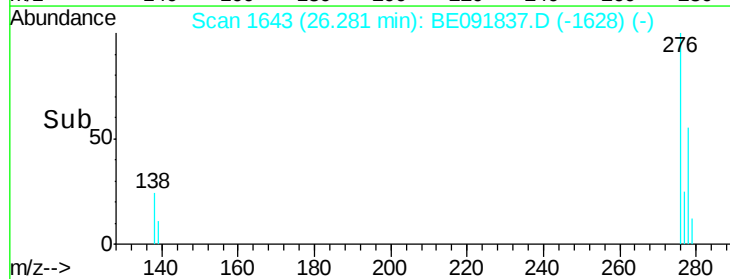
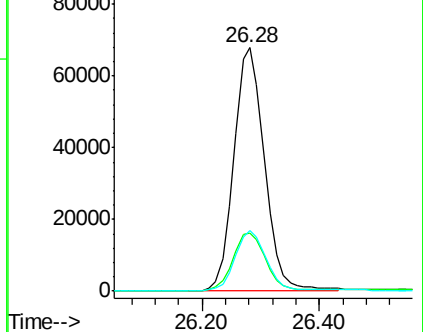
277 24.8 19.8 29.8

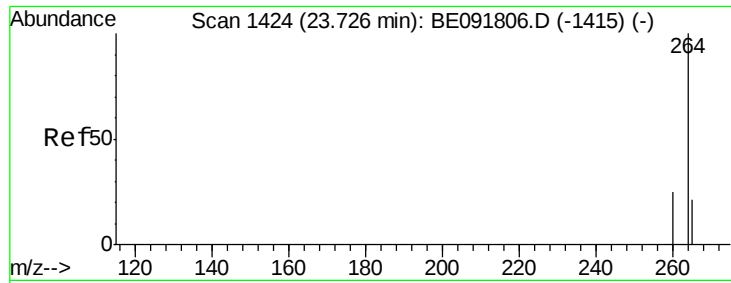


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

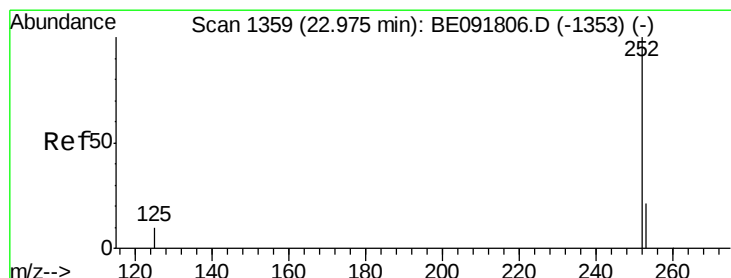
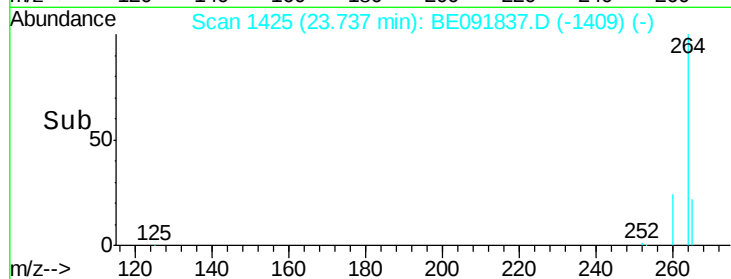
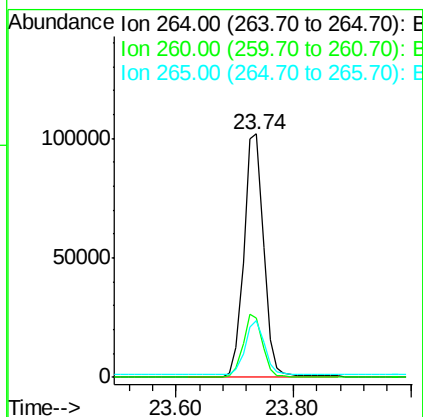
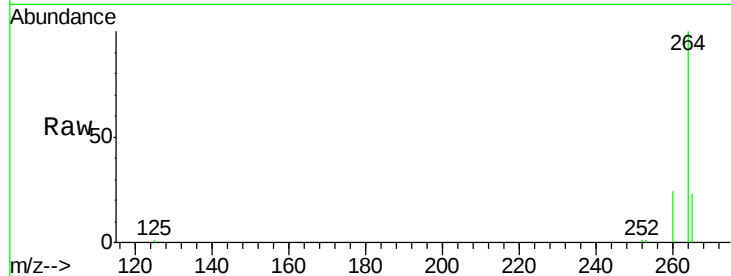




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.74 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BE091837.D
 Acq: 20 May 2016 14:46

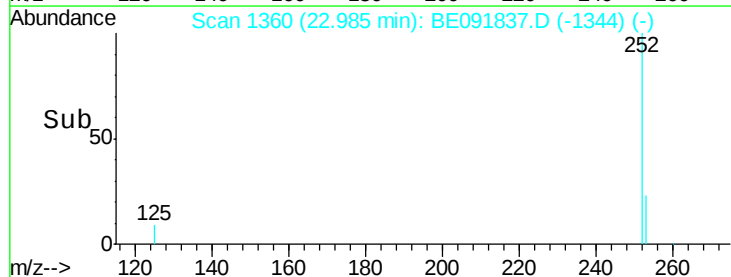
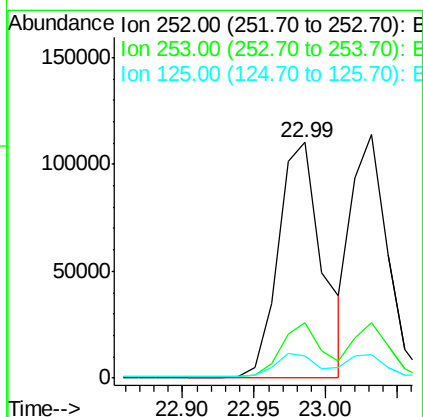
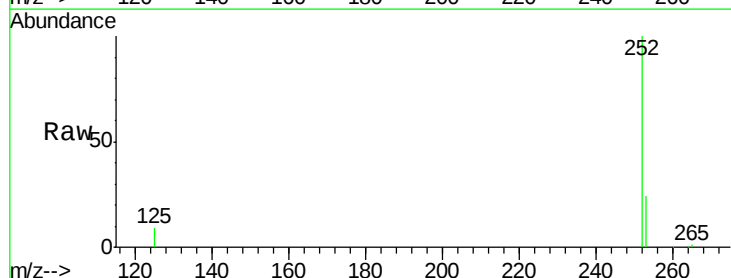
Instrument :
 BNA_E
 ClientSampleId :
 PB90761BSD

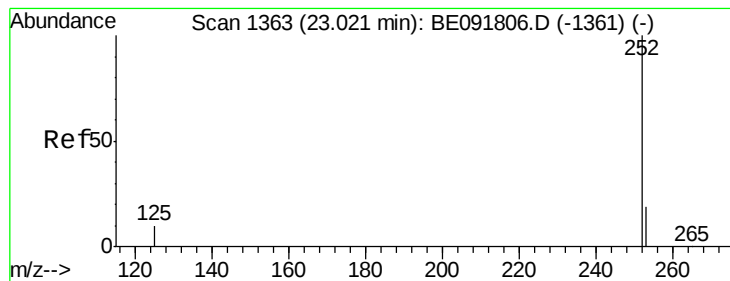
Tgt Ion: 264 Resp: 237069
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.0 30.0
 265 23.3 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 3.95 ng
 RT: 22.99 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BE091837.D
 Acq: 20 May 2016 14:46

Tgt Ion: 252 Resp: 234058
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.4 26.0
 125 9.2 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 3.26 ng

RT: 23.03 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

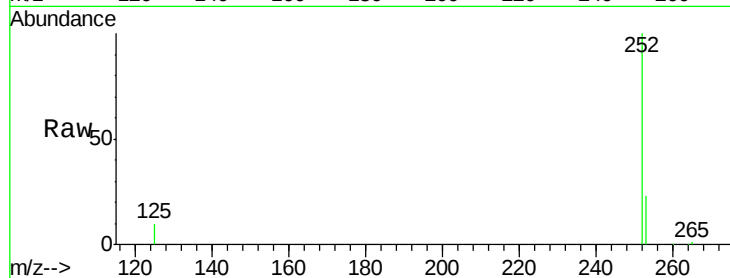
Tgt Ion:252 Resp: 197770

Ion Ratio Lower Upper

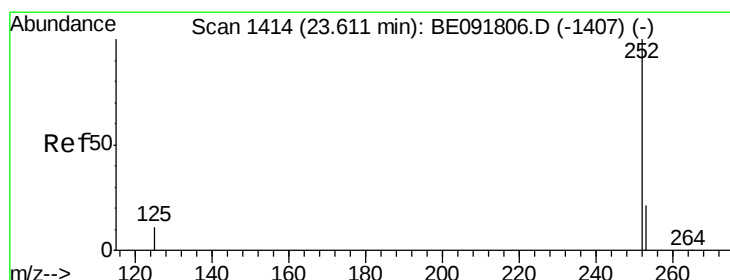
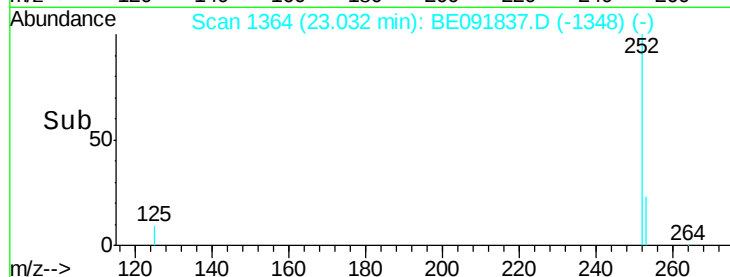
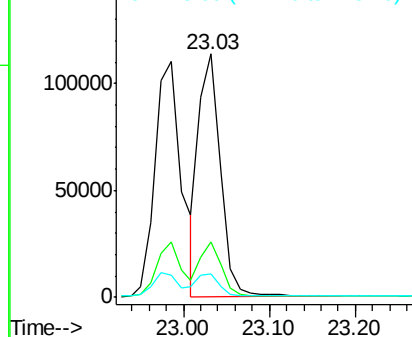
252 100

253 23.0 17.6 26.4

125 9.5 9.9 14.9#



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



#38

Benzo(a)pyrene

Concen: 3.72 ng

RT: 23.62 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

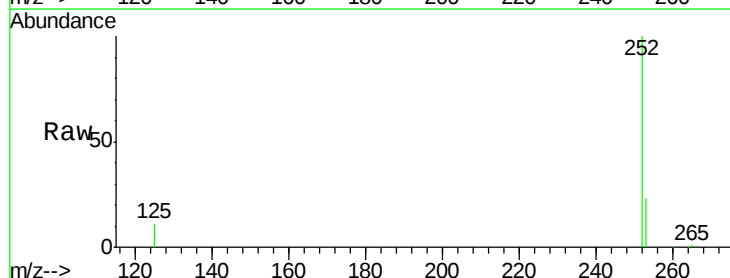
Tgt Ion:252 Resp: 210573

Ion Ratio Lower Upper

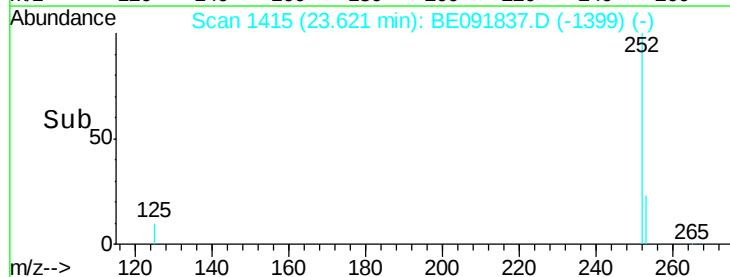
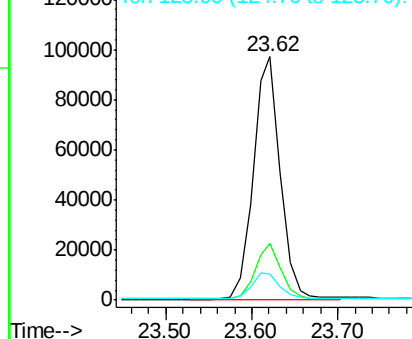
252 100

253 23.0 18.1 27.1

125 10.7 11.0 16.4#



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





#39

Dibenzo(a,h)anthracene

Concen: 3.66 ng

RT: 26.30 min Scan# 1645

Delta R.T. -0.04 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

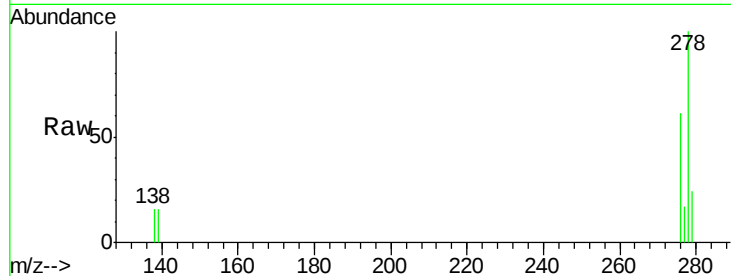
Tgt Ion: 278 Resp: 202347

Ion Ratio Lower Upper

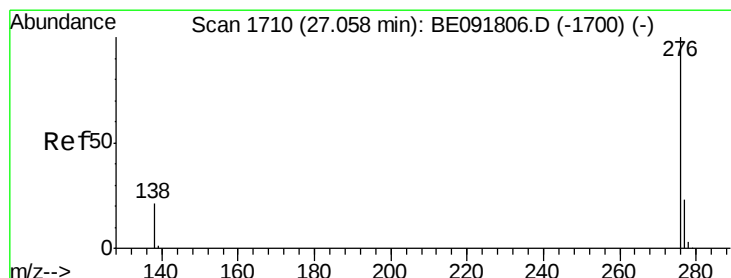
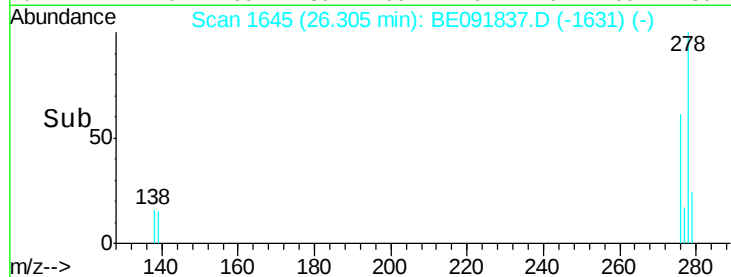
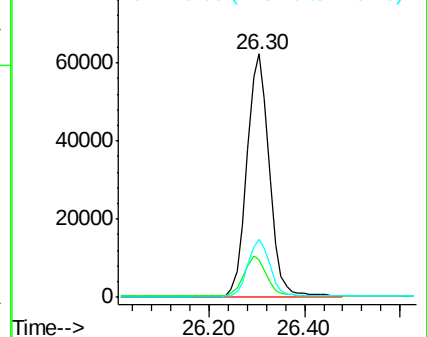
278 100

139 15.5 16.0 24.0#

279 24.0 19.4 29.2



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



#40

Benzo(g,h,i)perylene

Concen: 3.58 ng

RT: 27.07 min Scan# 1711

Delta R.T. -0.04 min

Lab File: BE091837.D

Acq: 20 May 2016 14:46

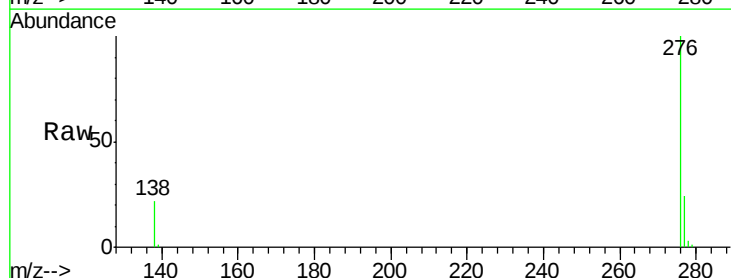
Tgt Ion: 276 Resp: 204053

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 21.5 20.4 30.6



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

