

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041216\
 Data File : BE091648.D
 Acq On : 12 Apr 2016 12:26
 Operator : UM/SJ
 Sample : PB89409BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB89409BSD

Quant Time: Apr 13 01:03:24 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 16:48:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	42004	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	208882	5.00	ng	-0.02
13) Acenaphthene-d10	14.42	164	130851	5.00	ng	0.00
19) Phenanthrene-d10	17.16	188	339798	5.00	ng	0.00
26) Chrysene-d12	21.31	240	414687	5.00	ng	0.00
35) Perylene-d12	23.76	264	346214	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	63319	6.32	ng	0.00
5) Phenol-d6	6.97	99	94860	7.10	ng	0.00
8) Nitrobenzene-d5	8.96	82	43347	3.57	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	35696	7.47	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	126384	3.47	ng	0.00
29) Terphenyl-d14	19.76	244	204587	3.95	ng	0.00

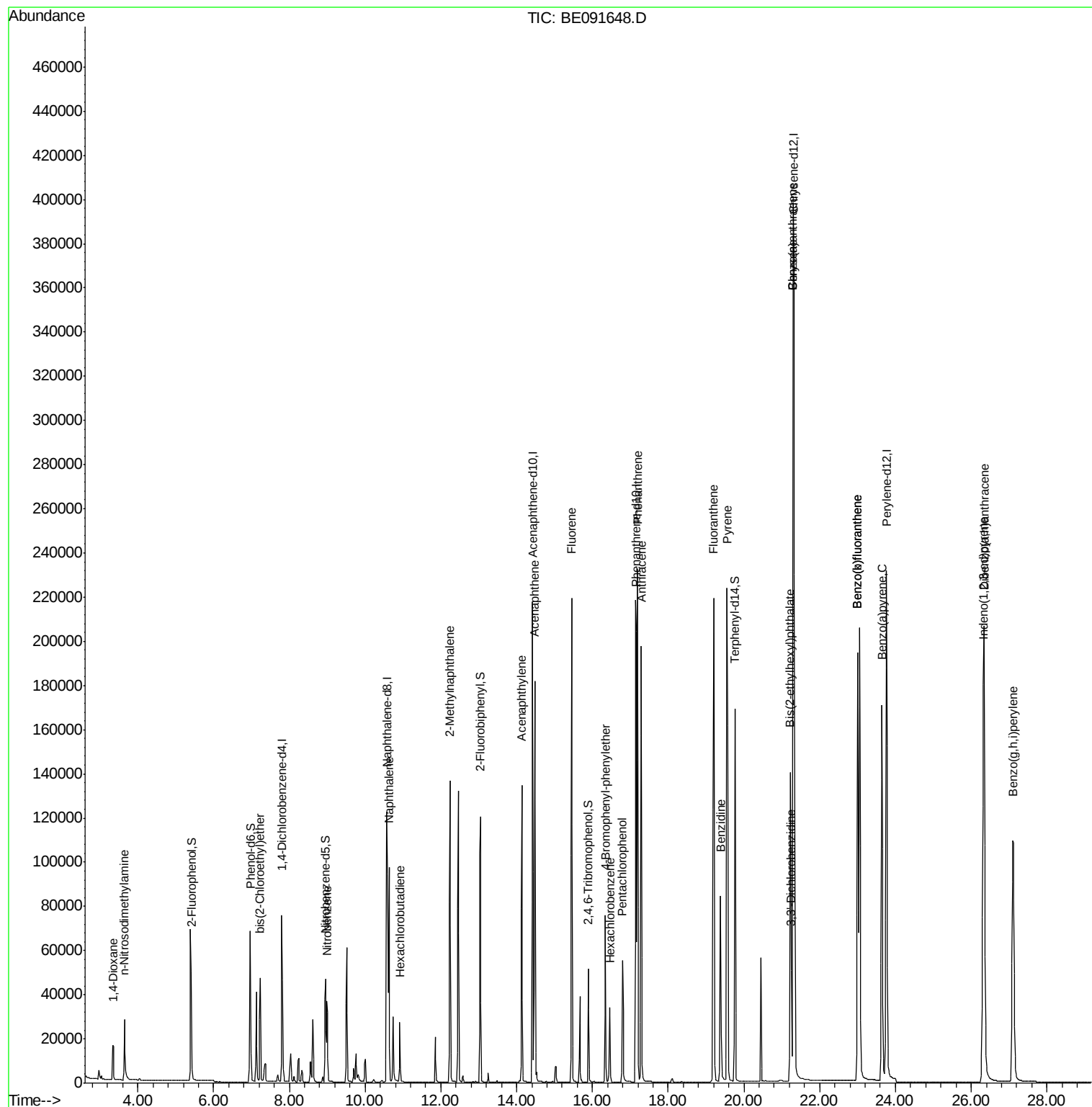
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	14042	3.02	ng	# 91
3) n-Nitrosodimethylamine	3.64	42	21482	3.33	ng	# 96
6) bis(2-Chloroethyl)ether	7.23	93	38843	3.35	ng	# 76
9) Nitrobenzene	8.99	77	44367	2.98	ng	94
10) Naphthalene	10.63	128	138161	3.21	ng	98
11) Hexachlorobutadiene	10.92	225	22316	3.52	ng	97
12) 2-Methylnaphthalene	12.24	142	98230	3.57	ng	98
16) Acenaphthylene	14.13	152	170811	3.36	ng	# 86
17) Acenaphthene	14.47	154	108200	3.37	ng	94
18) Fluorene	15.46	166	135544	3.38	ng	98
20) 4-Bromophenyl-phenylether	16.34	248	38534	3.22	ng	95
21) Hexachlorobenzene	16.46	284	39937	3.21	ng	99
22) Pentachlorophenol	16.79	266	42870	6.64	ng	# 88
23) Phenanthrene	17.19	178	247349	3.19	ng	99
24) Anthracene	17.29	178	233423	3.40	ng	98
25) Fluoranthene	19.21	202	270601	3.30	ng	97
27) Benzidine	19.38	184	113584	2.94	ng	# 75
28) Pyrene	19.55	202	299935	3.62	ng	99
30) Benzo(a)anthracene	21.29	228	634207	6.84	ng	99
31) 3,3'-Dichlorobenzidine	21.24	252	62579	1.06	ng	# 72
32) Chrysene	21.29	228	637280	7.57	ng	96
33) Bis(2-ethylhexyl)phthalate	21.22	149	124573	2.05	ng	# 78
34) Indeno(1,2,3-cd)pyrene	26.32	276	318197	3.39	ng	97
36) Benzo(b)fluoranthene	23.00	252	320729	3.99	ng	97
37) Benzo(k)fluoranthene	23.00	252	320729	4.05	ng	97
38) Benzo(a)pyrene	23.65	252	276454	3.70	ng	# 97
39) Dibenzo(a,h)anthracene	26.34	278	266709	3.63	ng	97
40) Benzo(g,h,i)perylene	27.10	276	270828	3.57	ng	97

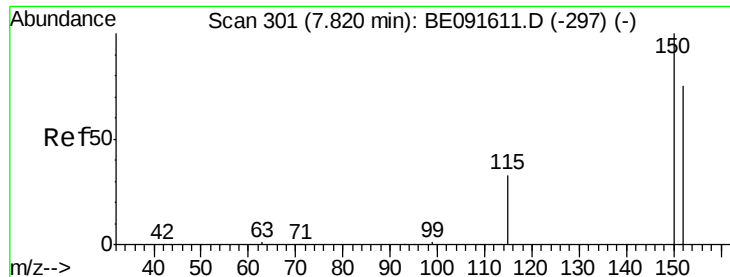
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

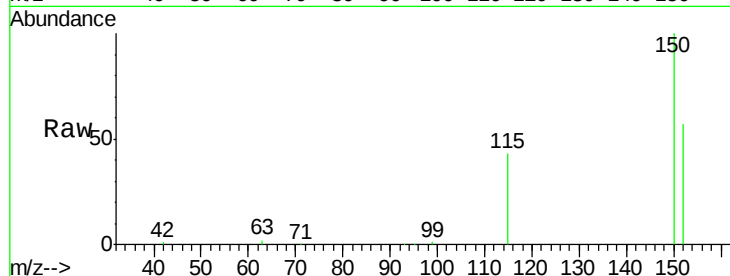
Tgt Ion: 152 Resp: 42004

Ion Ratio Lower Upper

152 100

150 176.1 122.6 183.8

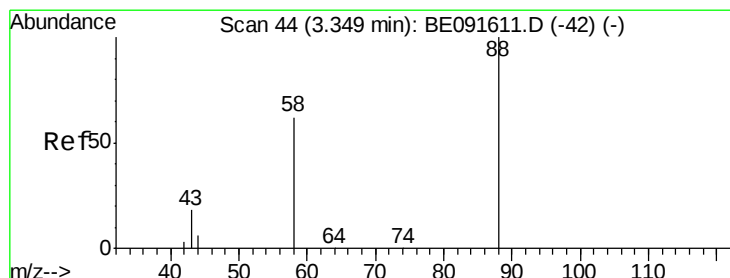
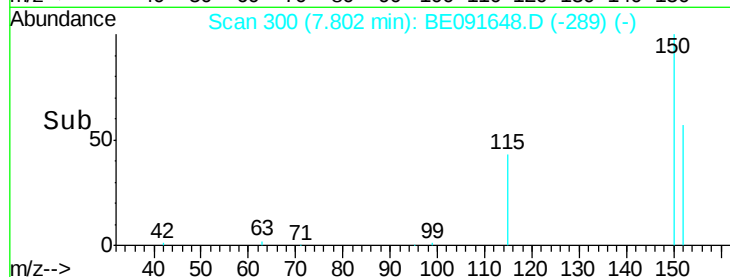
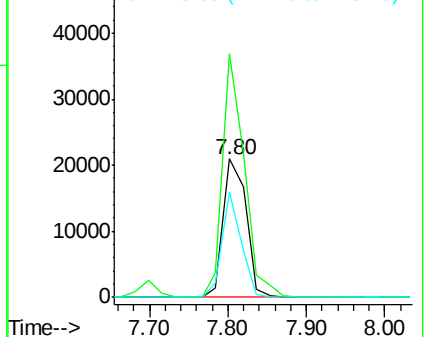
115 76.1 52.8 79.2



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: 3.02 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

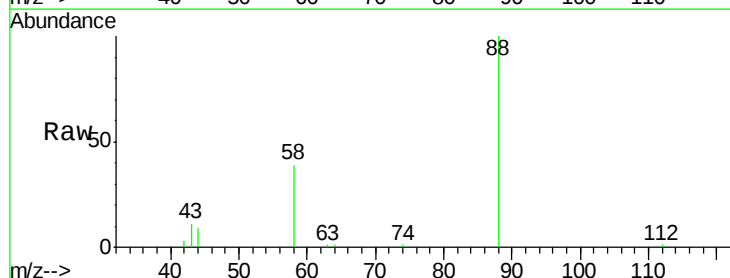
Tgt Ion: 88 Resp: 14042

Ion Ratio Lower Upper

88 100

58 88.4 65.8 98.6

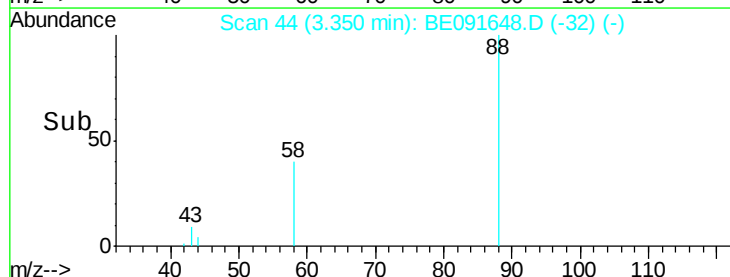
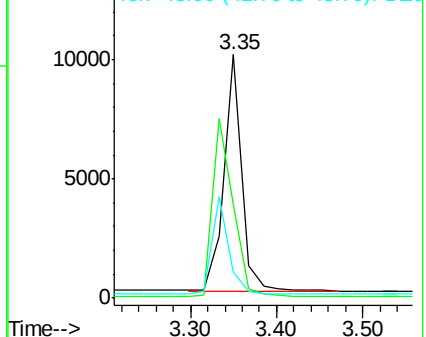
43 39.4 25.3 37.9#

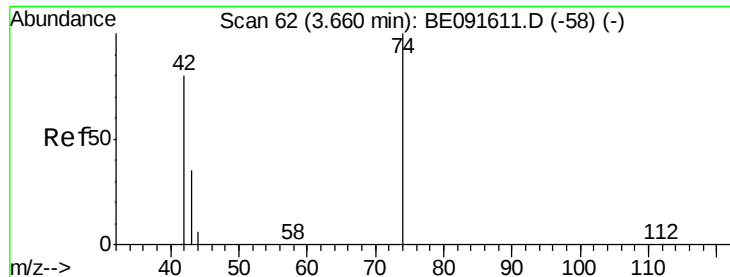


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.33 ng

RT: 3.64 min Scan# 61

Delta R.T. -0.02 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

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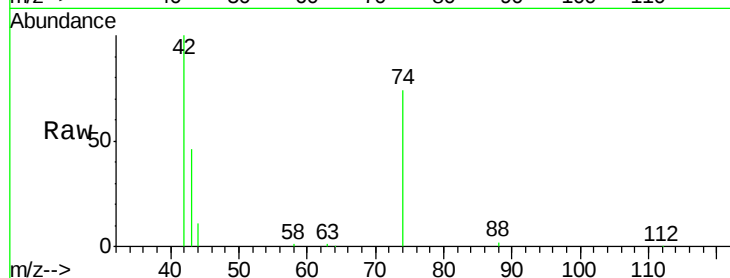
Tgt Ion: 42 Resp: 21482

Ion Ratio Lower Upper

42 100

74 105.5 87.9 131.9

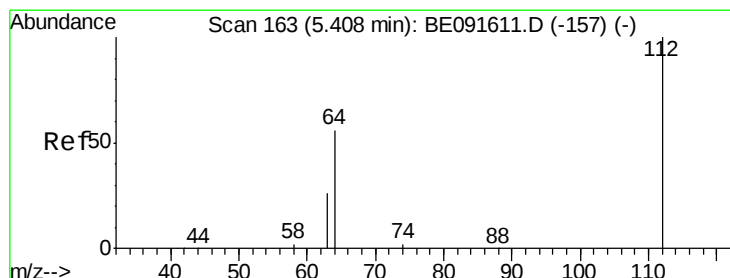
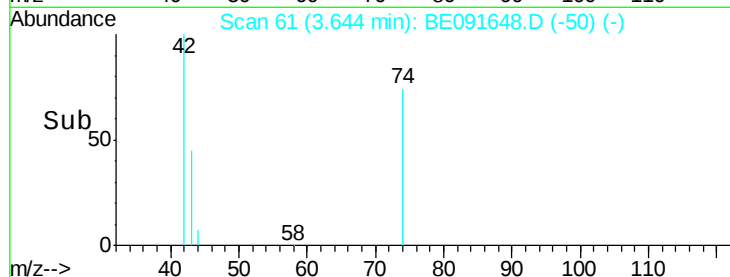
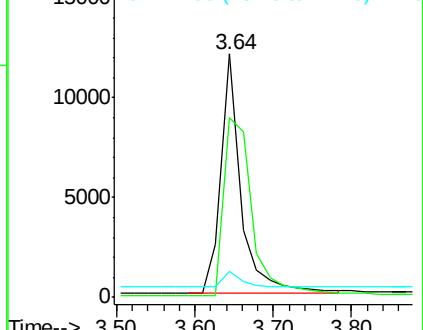
44 6.1 6.6 9.8#



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: 6.32 ng

RT: 5.41 min Scan# 163

Delta R.T. 0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

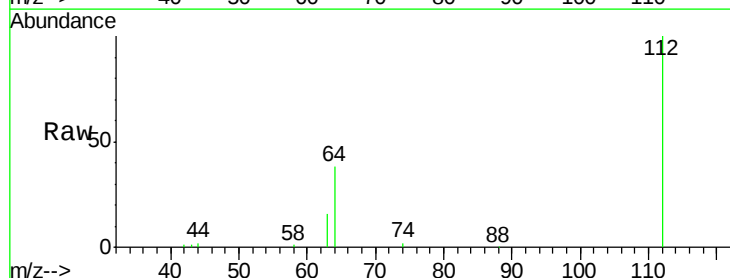
Tgt Ion: 112 Resp: 63319

Ion Ratio Lower Upper

112 100

64 69.1 30.9 46.3#

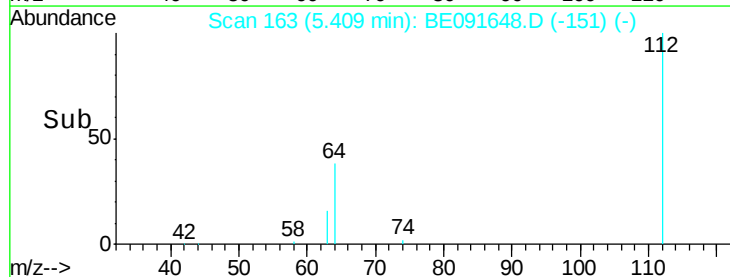
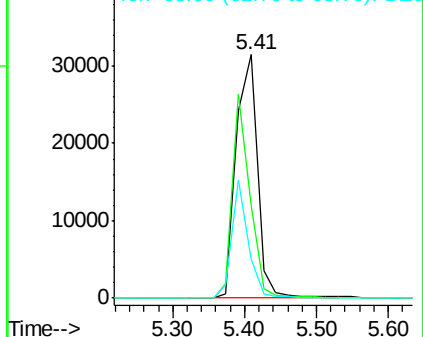
63 37.3 16.7 25.1#

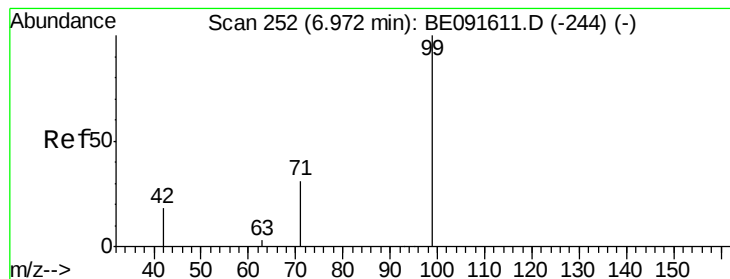


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.10 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

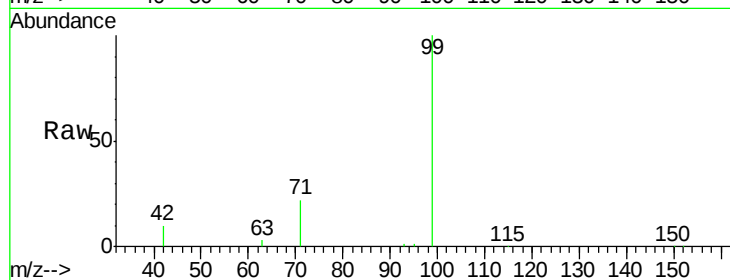
Tgt Ion: 99 Resp: 94860

Ion Ratio Lower Upper

99 100

42 25.8 16.2 24.2#

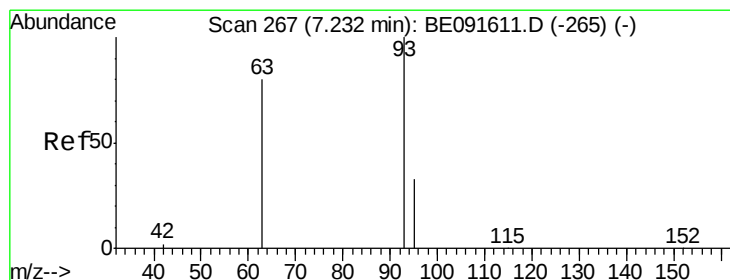
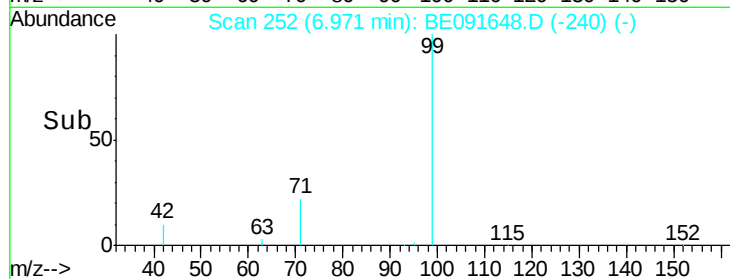
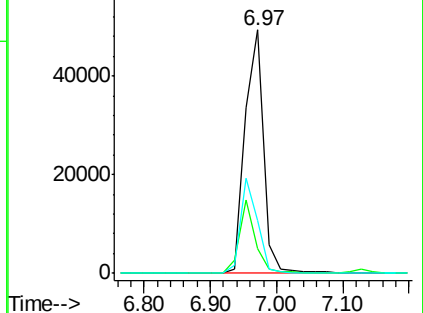
71 36.0 29.0 43.4



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: 3.35 ng

RT: 7.23 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

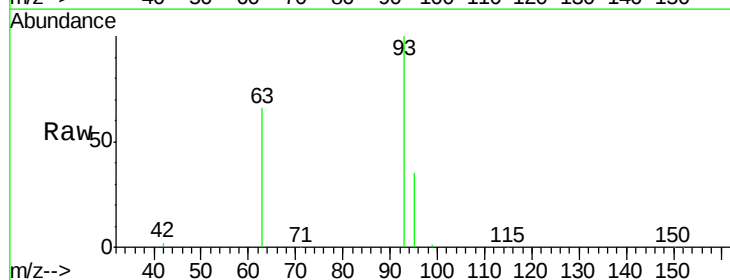
Tgt Ion: 93 Resp: 38843

Ion Ratio Lower Upper

93 100

63 85.1 49.5 74.3#

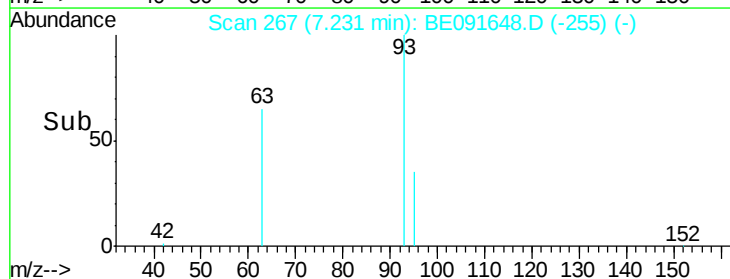
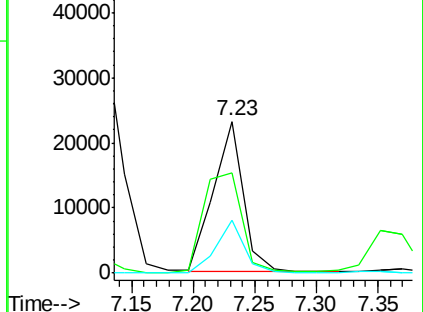
95 32.9 22.2 33.4

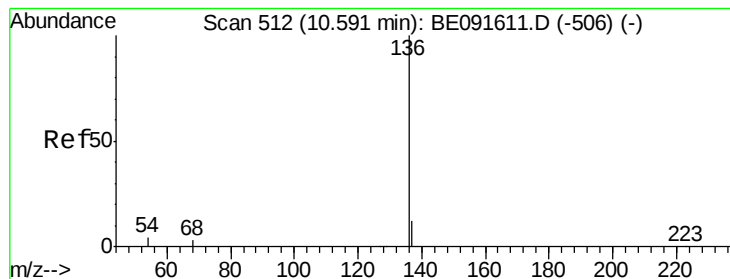


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. -0.02 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

Tgt Ion: 136 Resp: 208882

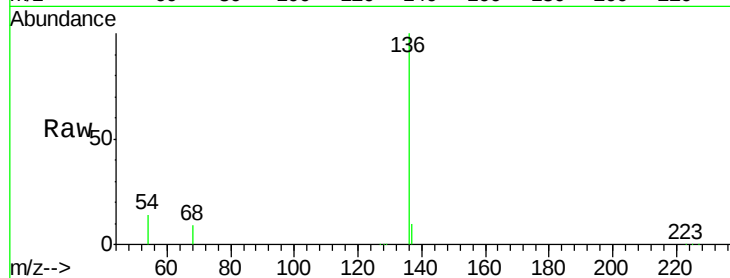
Ion Ratio Lower Upper

136 100

137 9.9 8.9 13.3

54 13.7 8.2 12.4#

68 9.0 6.2 9.4

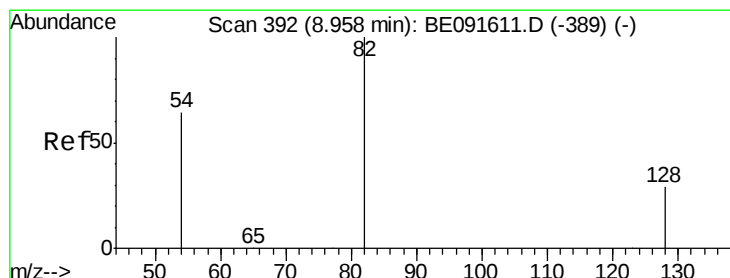
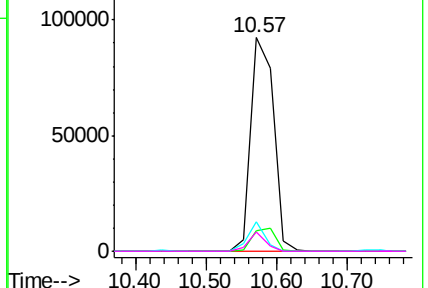
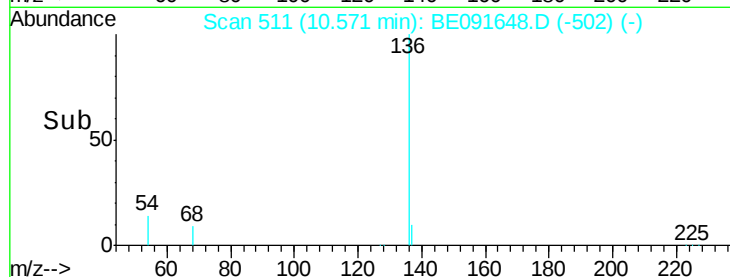


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 3.57 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

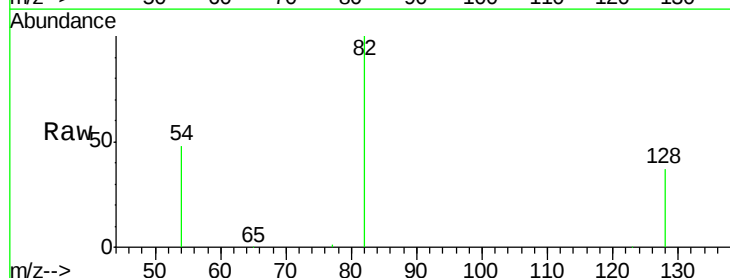
Tgt Ion: 82 Resp: 43347

Ion Ratio Lower Upper

82 100

128 36.8 25.4 38.0

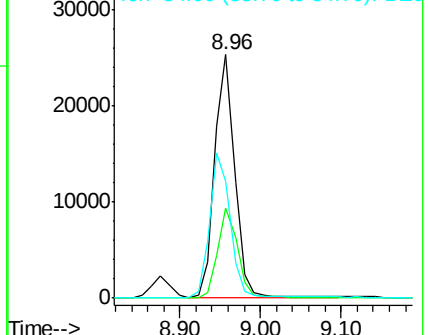
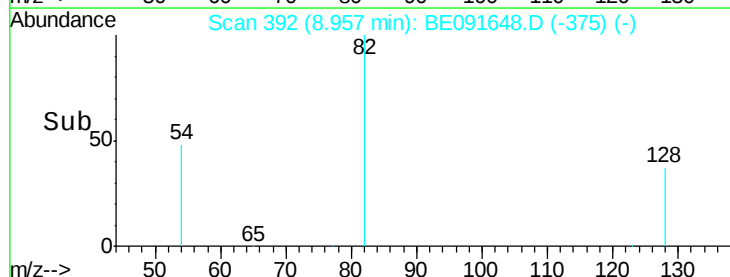
54 47.8 48.4 72.6#

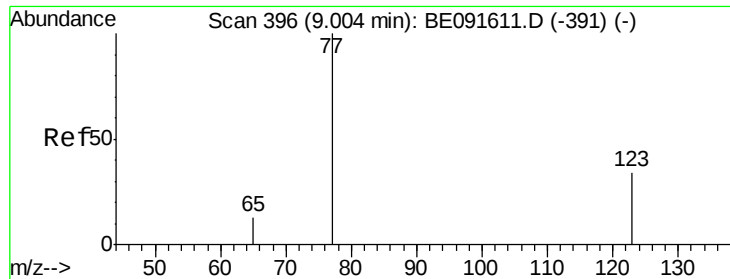


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

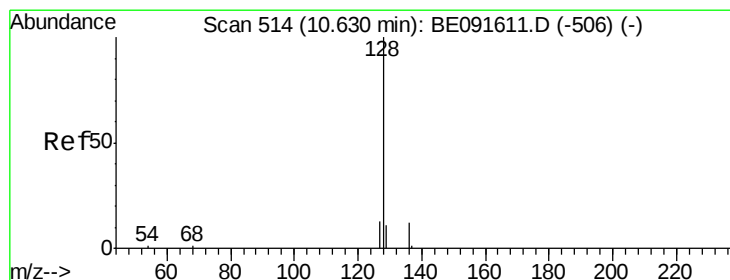
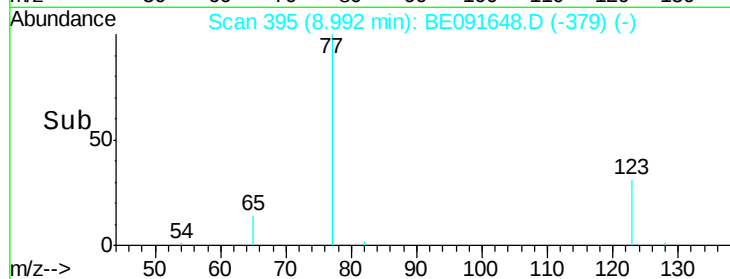
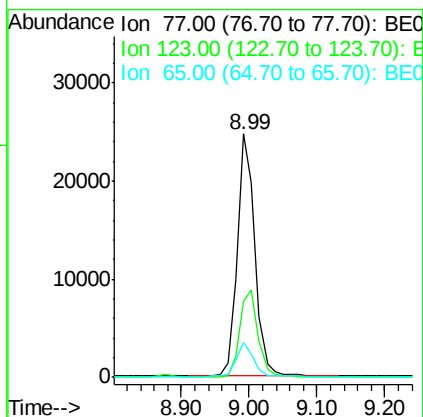
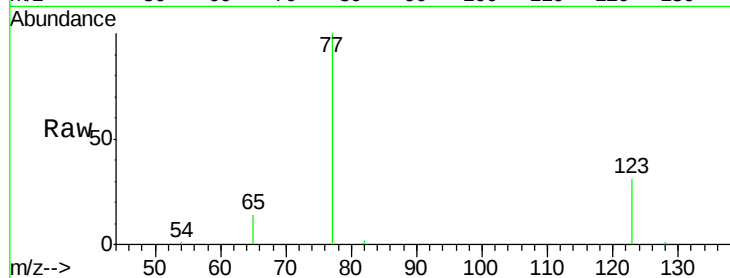




#9
 Nitrobenzene
 Concen: 2.98 ng
 RT: 8.99 min Scan# 395
 Delta R.T. -0.01 min
 Lab File: BE091648.D
 Acq: 12 Apr 2016 12:26

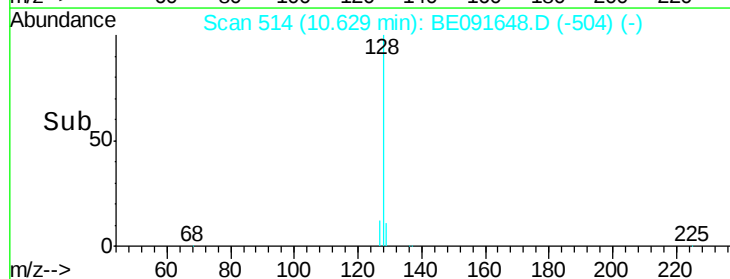
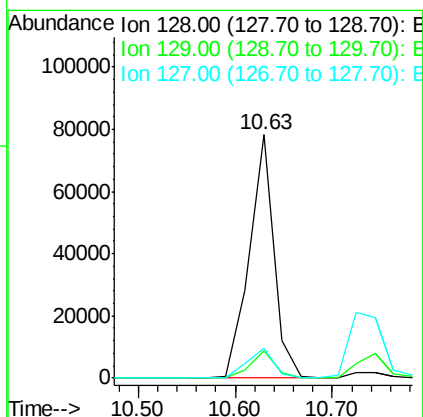
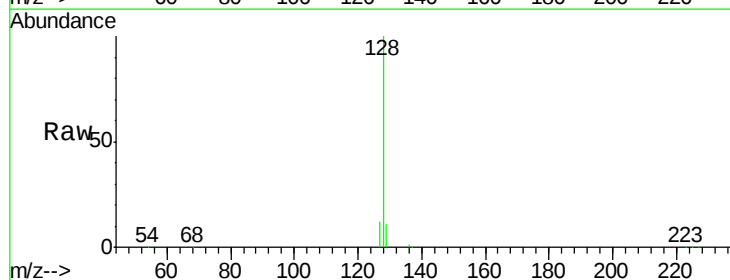
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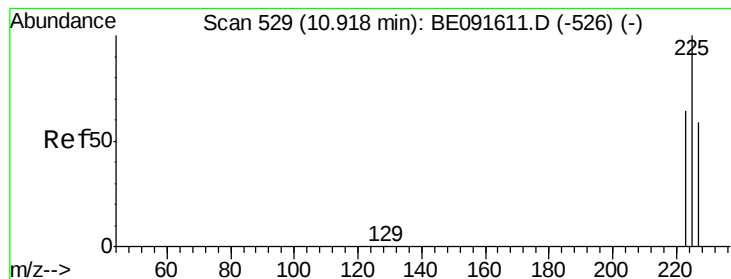
Tgt Ion: 77 Resp: 44367
 Ion Ratio Lower Upper
 77 100
 123 37.2 26.9 40.3
 65 14.0 9.4 14.2



#10
 Naphthalene
 Concen: 3.21 ng
 RT: 10.63 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: BE091648.D
 Acq: 12 Apr 2016 12:26

Tgt Ion: 128 Resp: 138161
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.3 13.9
 127 12.3 10.7 16.1





#11

Hexachlorobutadiene

Concen: 3.52 ng

RT: 10.92 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

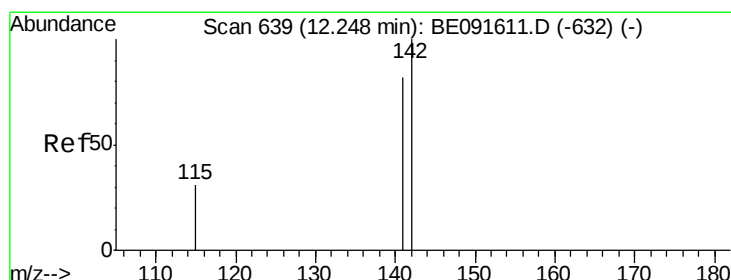
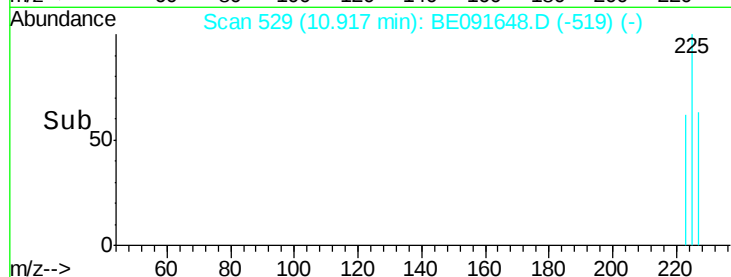
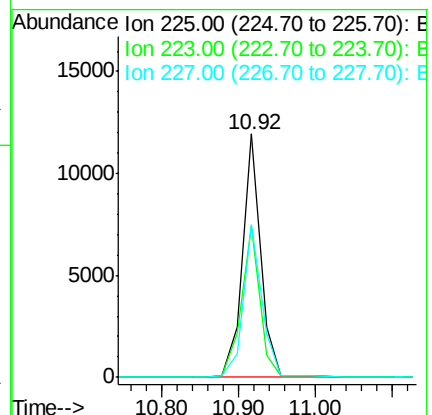
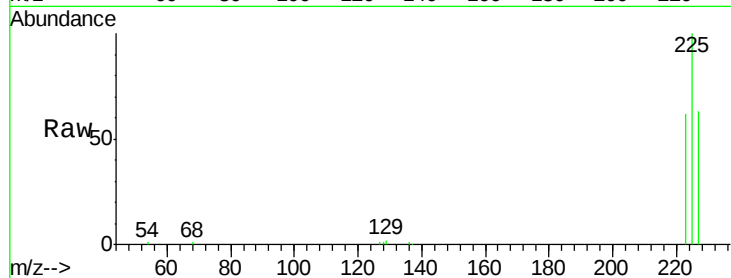
Tgt Ion: 225 Resp: 22316

Ion Ratio Lower Upper

225 100

223 64.3 49.0 73.6

227 65.0 50.3 75.5



#12

2-Methylnaphthalene

Concen: 3.57 ng

RT: 12.24 min Scan# 638

Delta R.T. -0.01 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

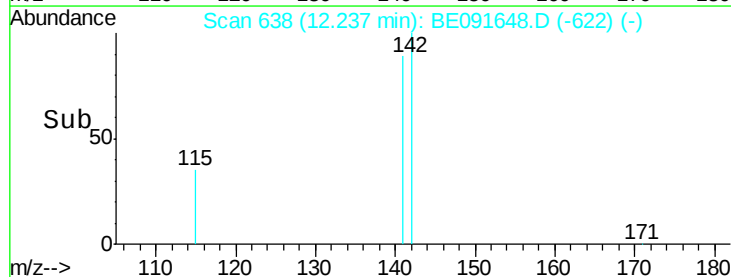
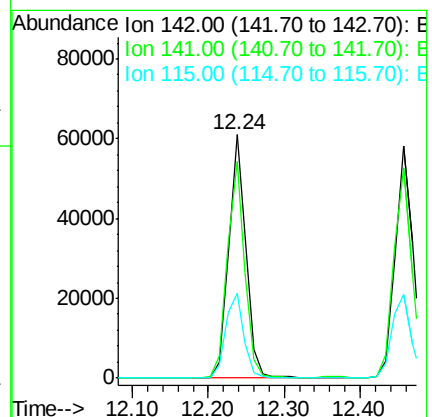
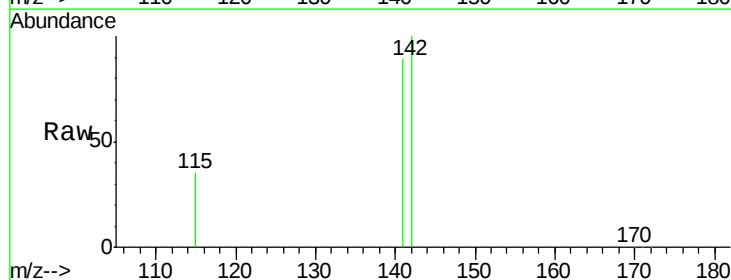
Tgt Ion: 142 Resp: 98230

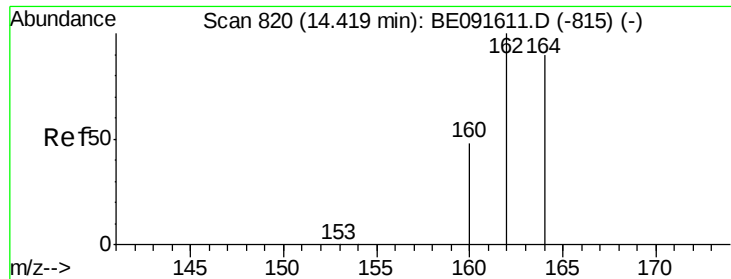
Ion Ratio Lower Upper

142 100

141 89.0 71.4 107.0

115 35.0 30.3 45.5

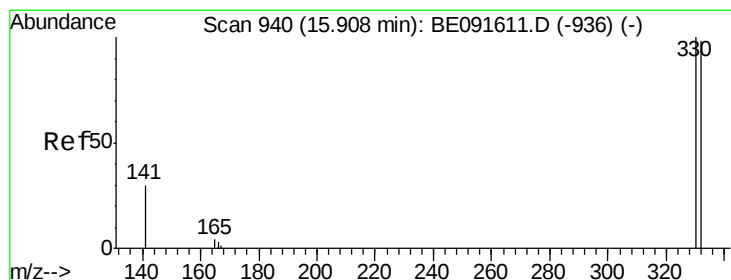
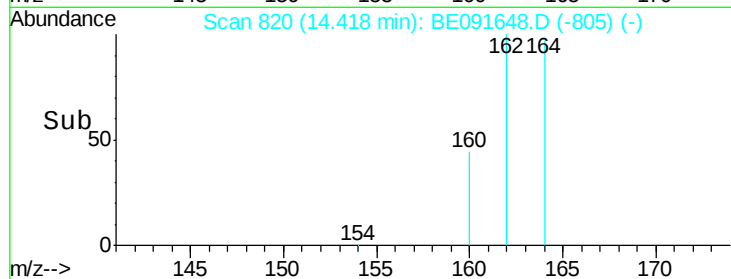
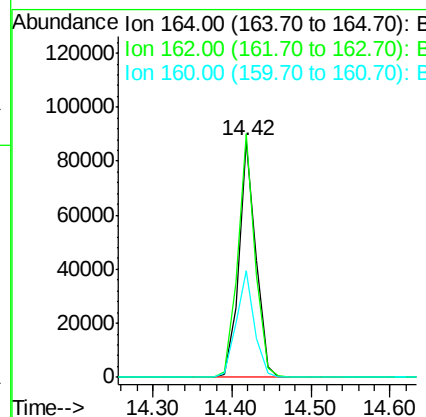
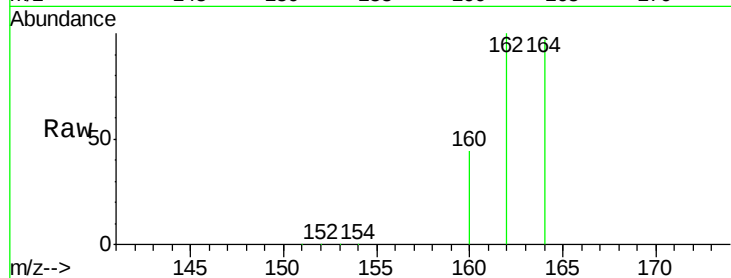




#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.42 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BE091648.D
 Acq: 12 Apr 2016 12:26

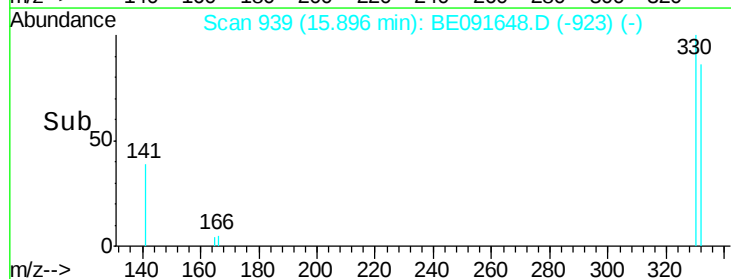
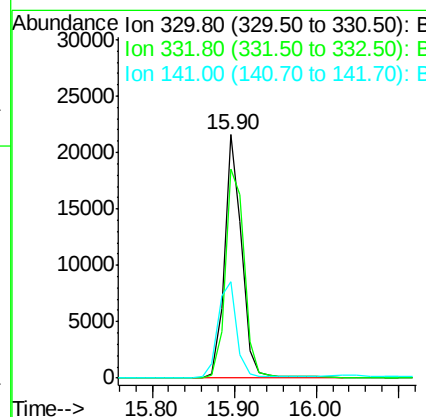
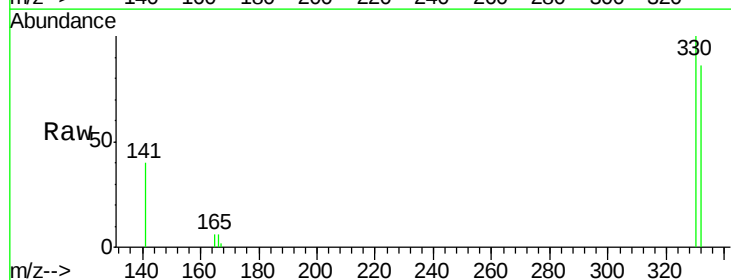
Instrument :
 BNA_E
 ClientSampleId :
 PB89409BSD

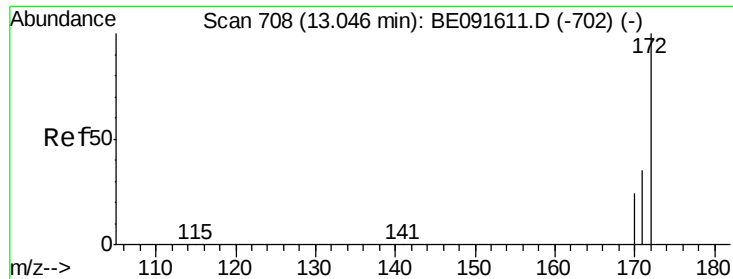
Tgt Ion:164 Resp: 130851
 Ion Ratio Lower Upper
 164 100
 162 102.9 85.3 127.9
 160 45.2 46.2 69.2#



#14
 2,4,6-Tribromophenol
 Concen: 7.47 ng
 RT: 15.90 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BE091648.D
 Acq: 12 Apr 2016 12:26

Tgt Ion:330 Resp: 35696
 Ion Ratio Lower Upper
 330 100
 332 95.0 79.1 118.7
 141 38.1 125.4 188.0#

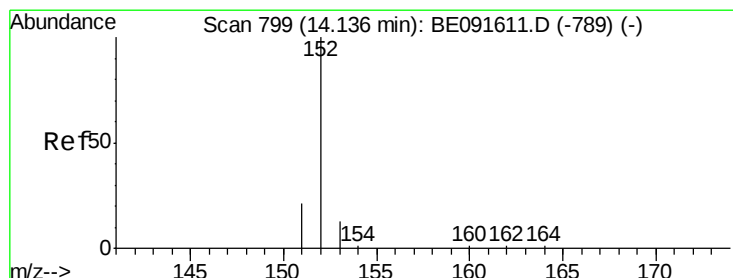
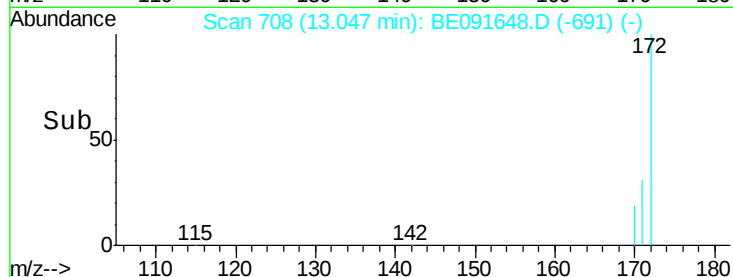
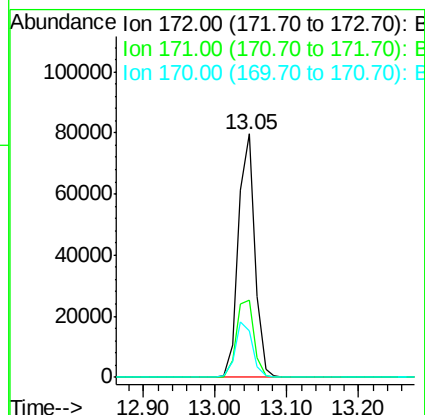
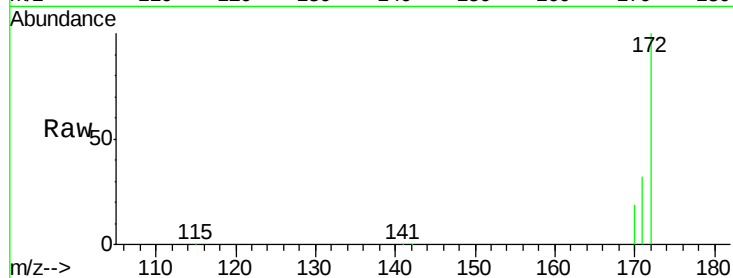




#15
2-Fluorobiphenyl
Concen: 3.47 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091648.D
Acq: 12 Apr 2016 12:26

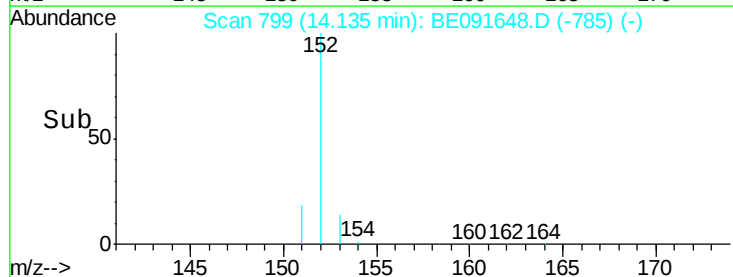
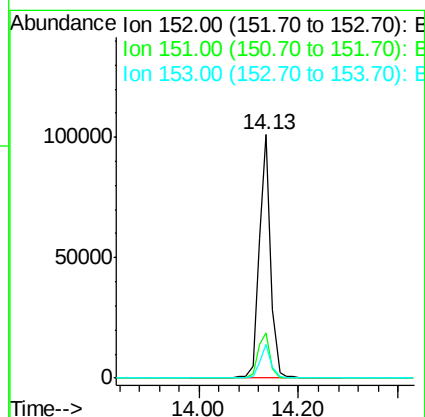
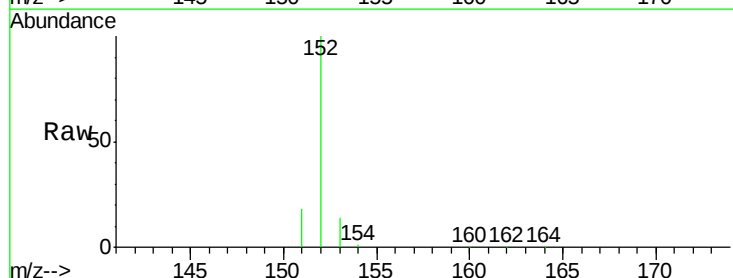
Instrument :
BNA_E
ClientSampleId :
PB89409BSD

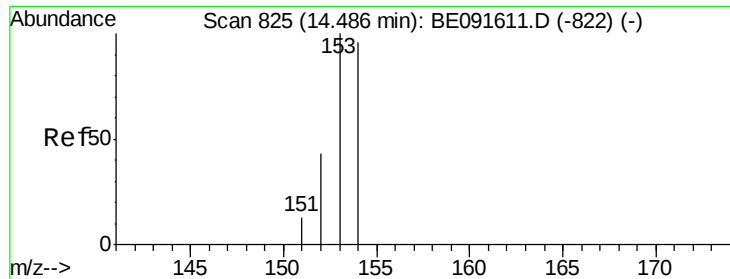
Tgt Ion:172 Resp: 126384
Ion Ratio Lower Upper
172 100
171 31.7 28.8 43.2
170 19.3 19.3 28.9



#16
Acenaphthylene
Concen: 3.36 ng
RT: 14.13 min Scan# 799
Delta R.T. -0.00 min
Lab File: BE091648.D
Acq: 12 Apr 2016 12:26

Tgt Ion:152 Resp: 170811
Ion Ratio Lower Upper
152 100
151 20.2 3.9 5.9#
153 13.6 10.3 15.5

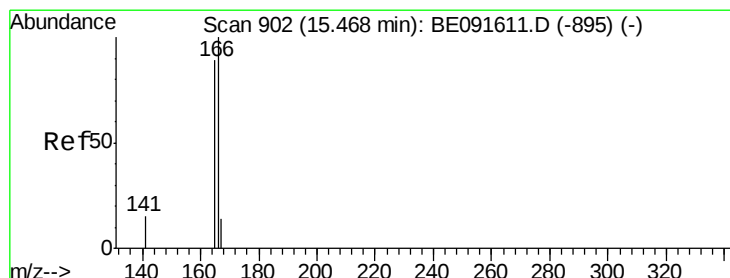
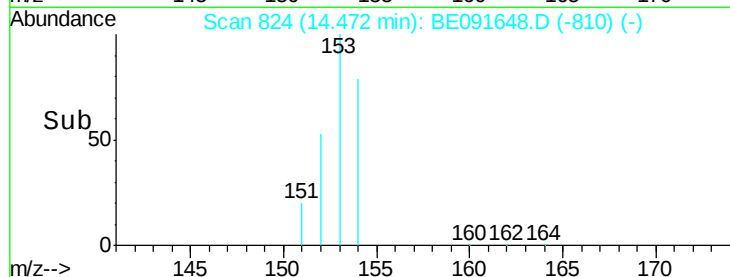
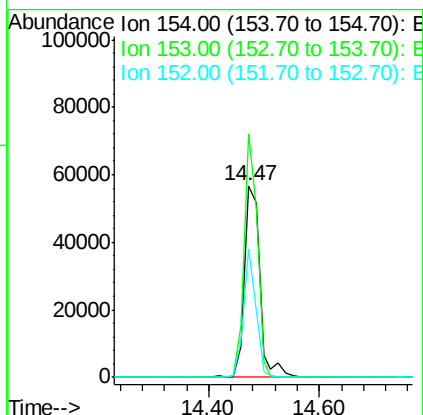
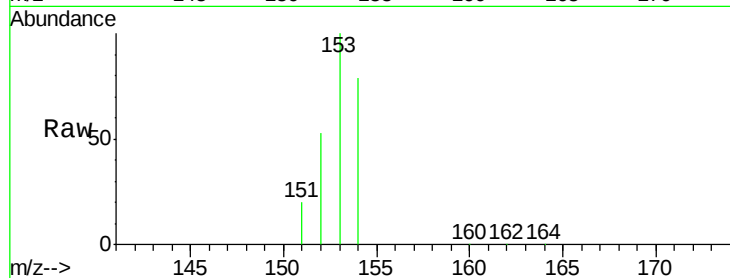




#17
Acenaphthene
Concen: 3.37 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE091648.D
Acq: 12 Apr 2016 12:26

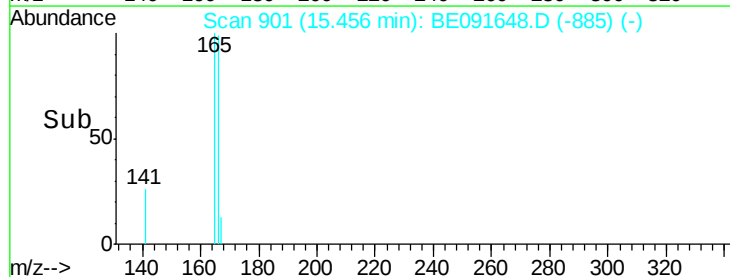
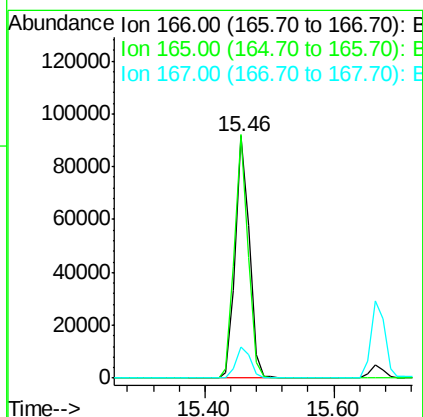
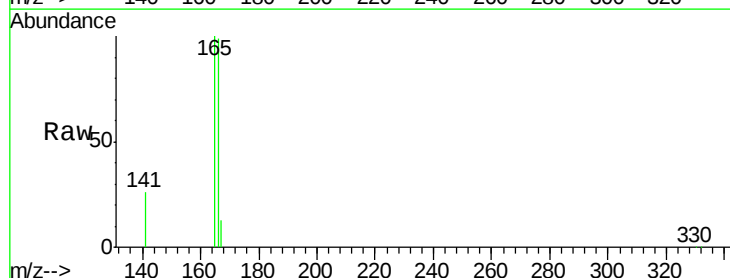
Instrument :
BNA_E
ClientSampleId :
PB89409BSD

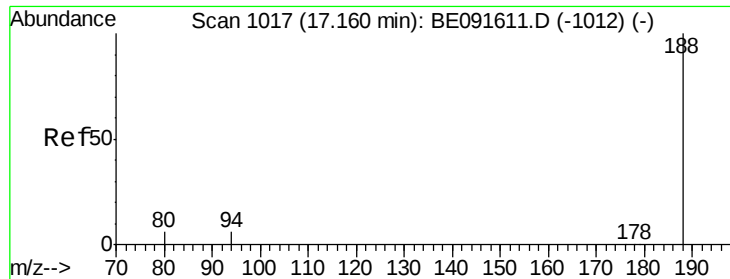
Tgt Ion:154 Resp: 108200
Ion Ratio Lower Upper
154 100
153 107.0 80.0 120.0
152 53.0 40.0 60.0



#18
Fluorene
Concen: 3.38 ng
RT: 15.46 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE091648.D
Acq: 12 Apr 2016 12:26

Tgt Ion:166 Resp: 135544
Ion Ratio Lower Upper
166 100
165 98.4 80.8 121.2
167 13.6 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.16 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

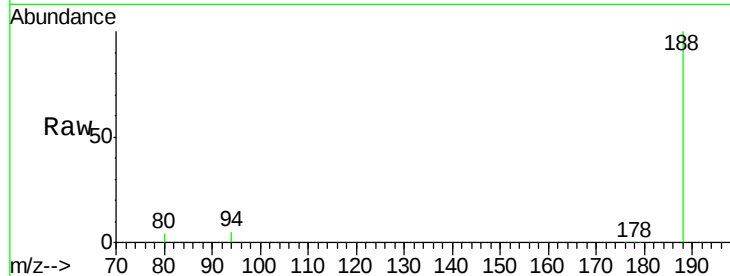
Tgt Ion:188 Resp: 339798

Ion Ratio Lower Upper

188 100

94 4.5 8.7 13.1#

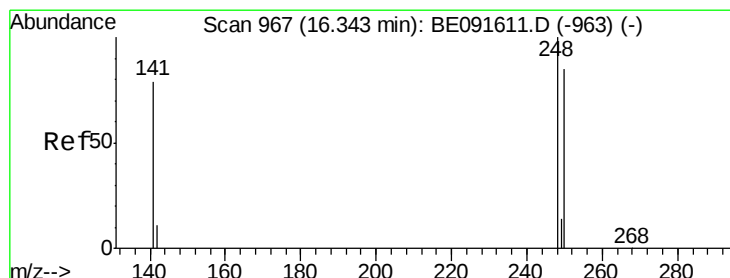
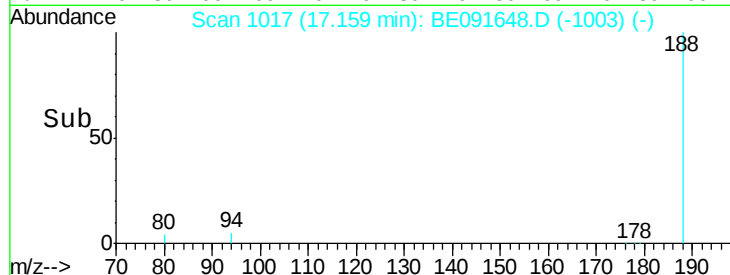
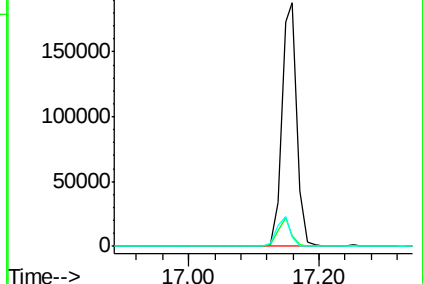
80 3.8 9.4 14.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 3.22 ng

RT: 16.34 min Scan# 967

Delta R.T. -0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

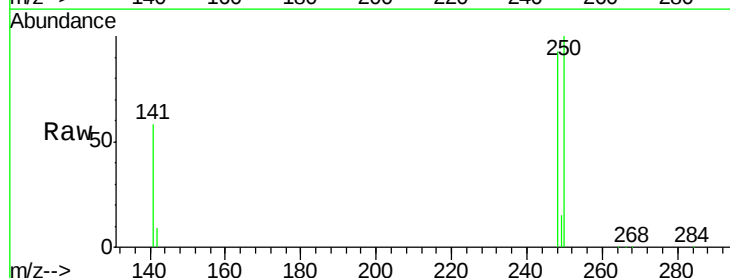
Tgt Ion:248 Resp: 38534

Ion Ratio Lower Upper

248 100

250 98.0 80.5 120.7

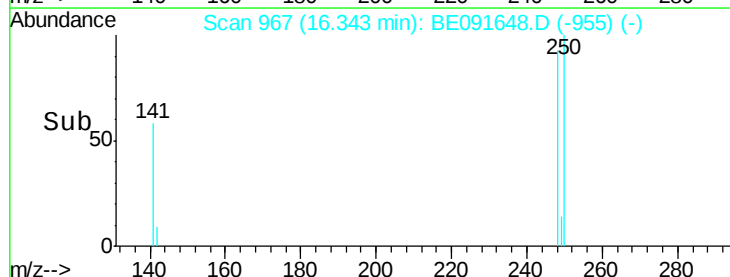
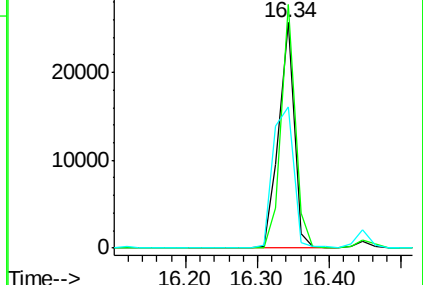
141 82.9 72.0 108.0

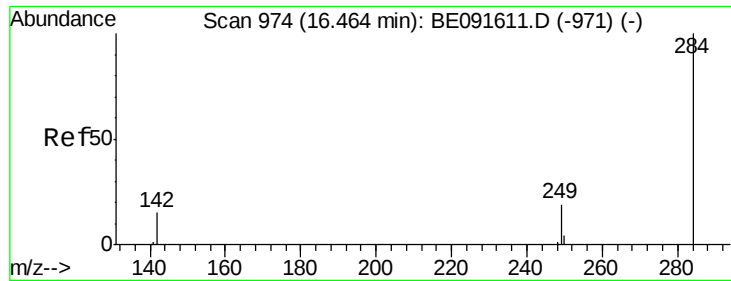


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

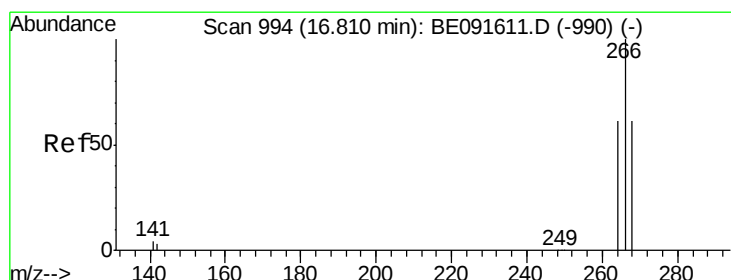
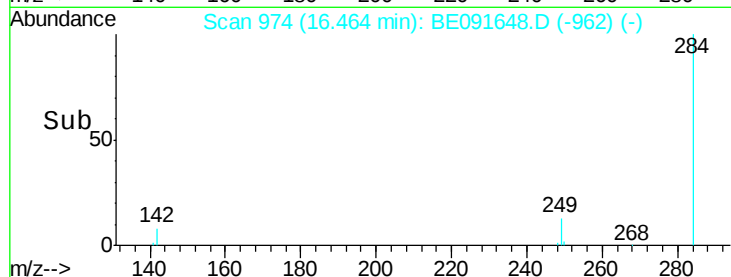
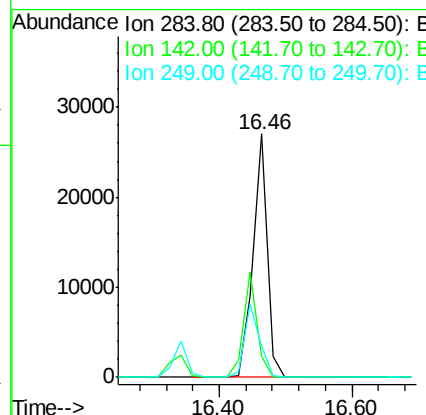
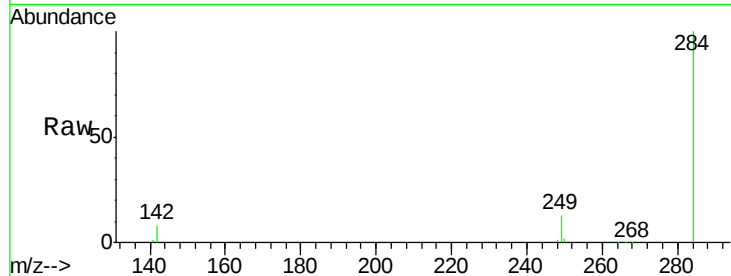




#21
Hexachlorobenzene
Concen: 3.21 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091648.D
Acq: 12 Apr 2016 12:26

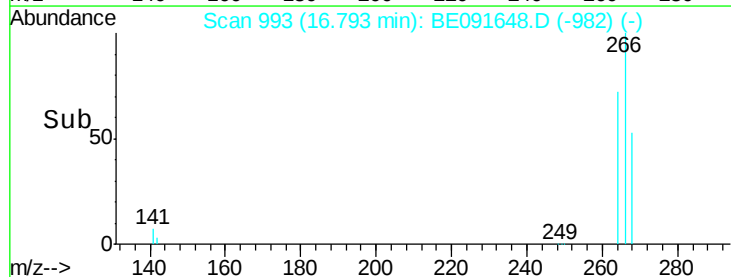
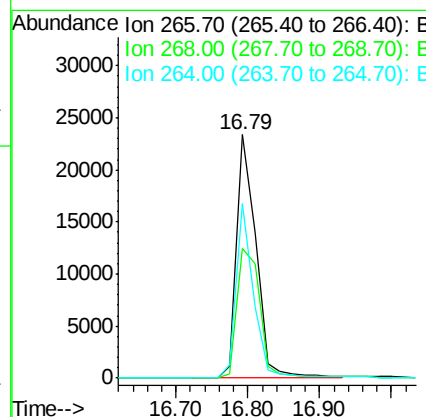
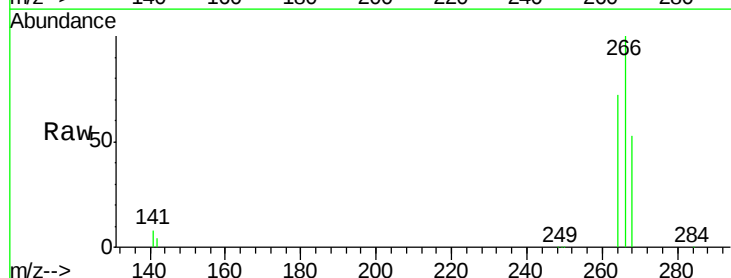
Instrument :
BNA_E
ClientSampleId :
PB89409BSD

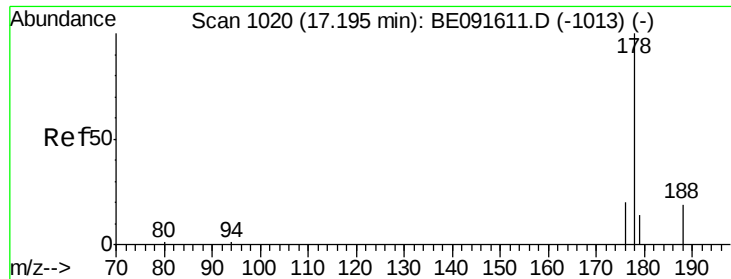
Tgt Ion:284 Resp: 39937
Ion Ratio Lower Upper
284 100
142 41.0 32.2 48.2
249 31.9 25.4 38.2



#22
Pentachlorophenol
Concen: 6.64 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091648.D
Acq: 12 Apr 2016 12:26

Tgt Ion:266 Resp: 42870
Ion Ratio Lower Upper
266 100
268 53.5 58.2 87.2#
264 71.6 56.2 84.4

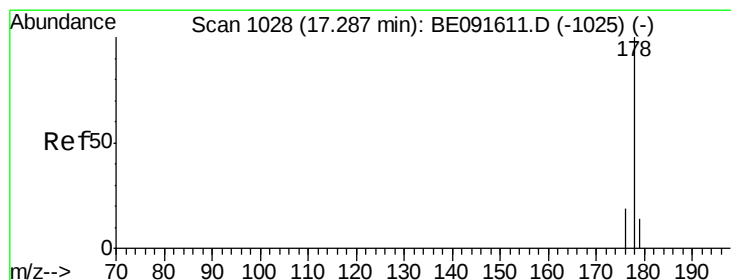
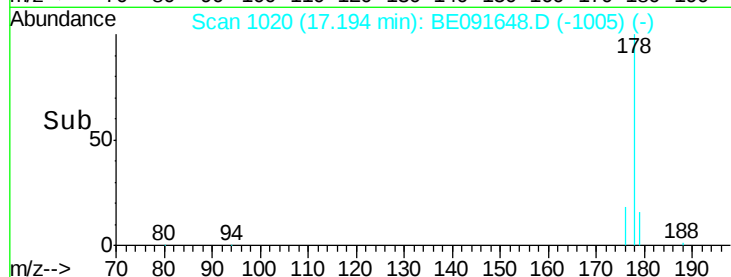
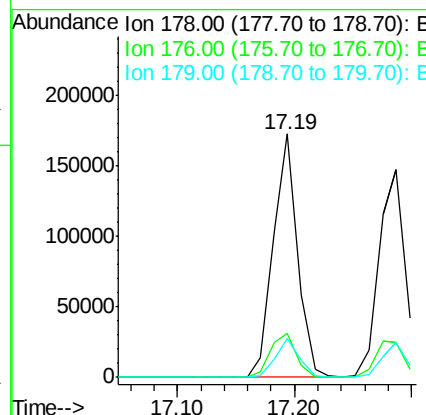
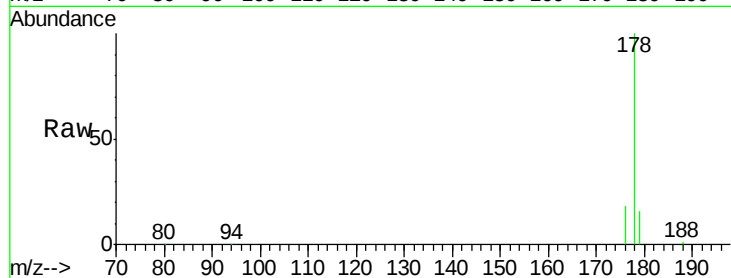




#23
Phenanthrene
Concen: 3.19 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE091648.D
Acq: 12 Apr 2016 12:26

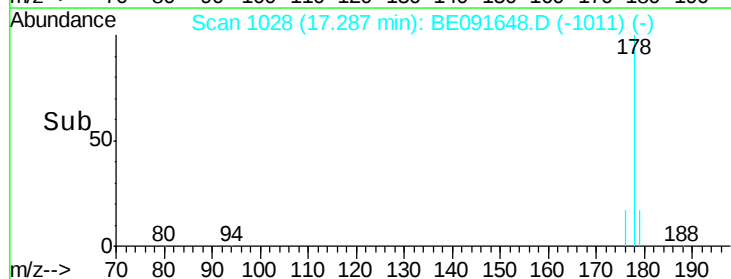
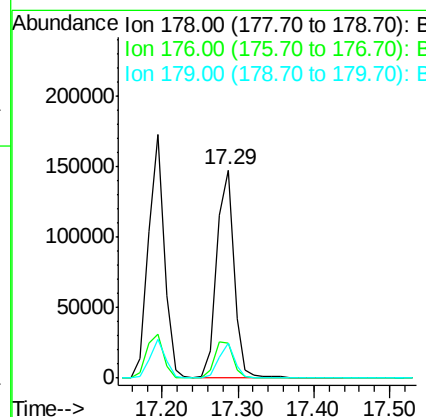
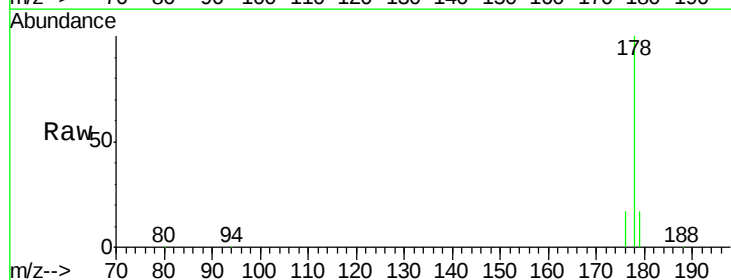
Instrument :
BNA_E
ClientSampleId :
PB89409BSD

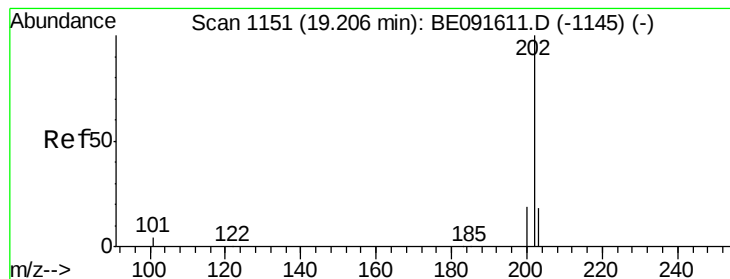
Tgt Ion:178 Resp: 247349
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.5 12.6 18.8



#24
Anthracene
Concen: 3.40 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE091648.D
Acq: 12 Apr 2016 12:26

Tgt Ion:178 Resp: 233423
Ion Ratio Lower Upper
178 100
176 19.1 14.6 21.8
179 15.2 11.8 17.6





#25

Fluoranthene

Concen: 3.30 ng

RT: 19.21 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

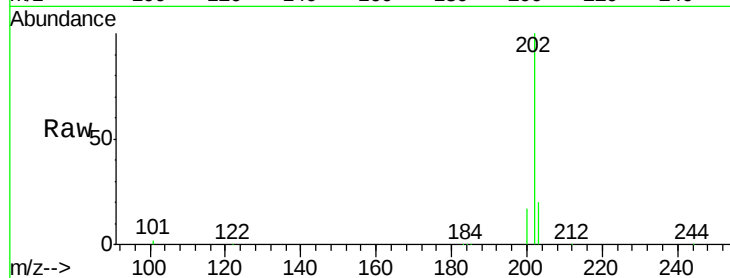
Tgt Ion:202 Resp: 270601

Ion Ratio Lower Upper

202 100

101 12.3 11.0 16.6

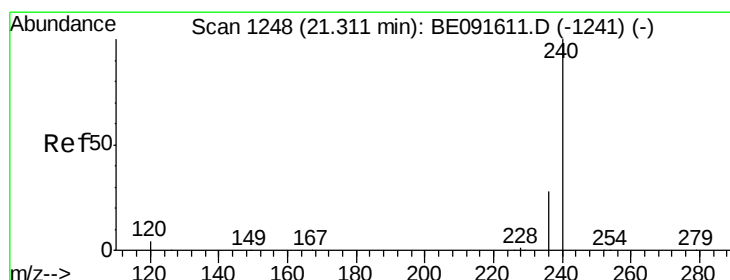
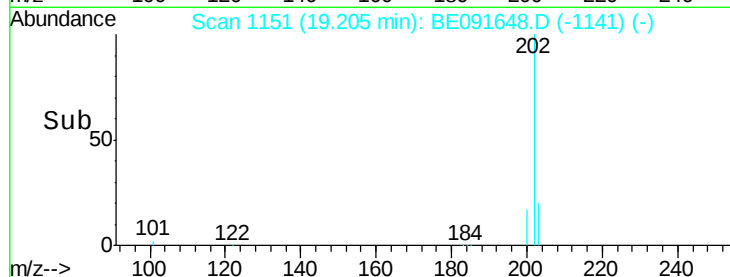
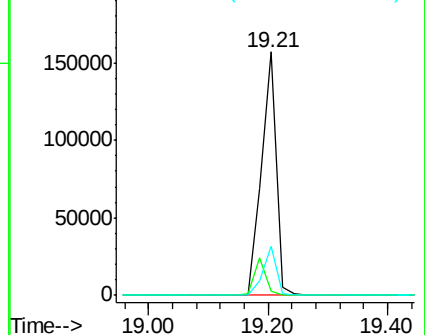
203 18.2 13.9 20.9



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: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

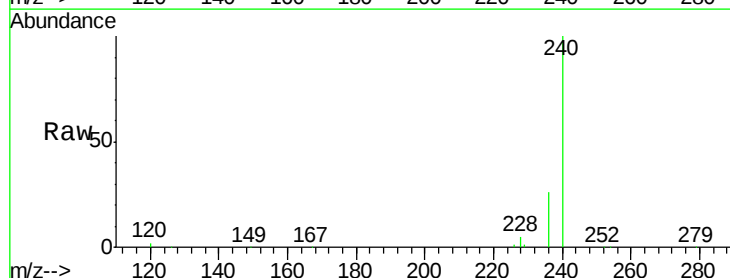
Tgt Ion:240 Resp: 414687

Ion Ratio Lower Upper

240 100

120 2.1 11.0 16.4#

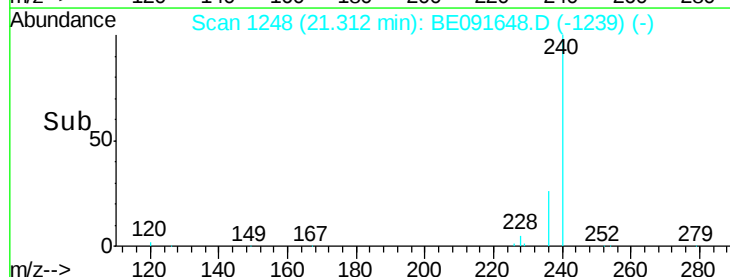
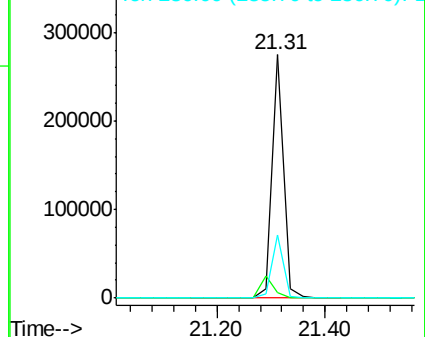
236 26.1 21.7 32.5

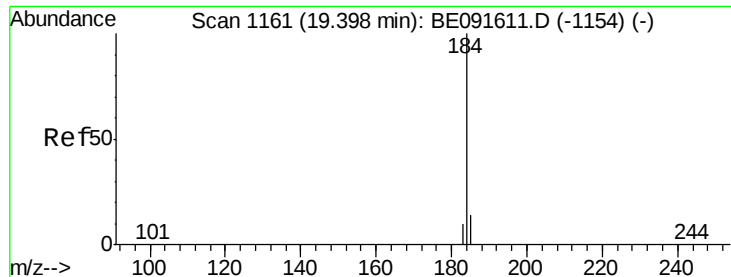


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 2.94 ng

RT: 19.38 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

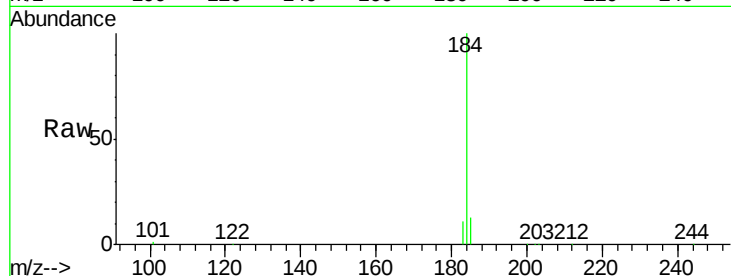
Tgt Ion:184 Resp: 113584

Ion Ratio Lower Upper

184 100

185 13.1 22.3 33.5#

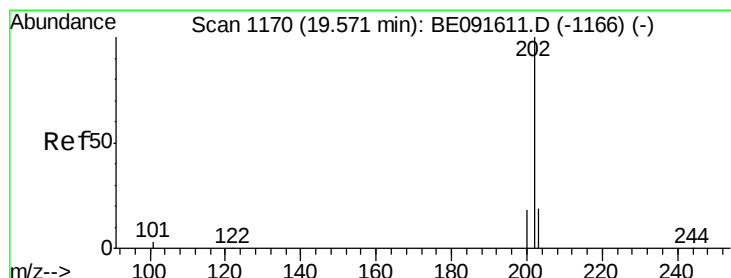
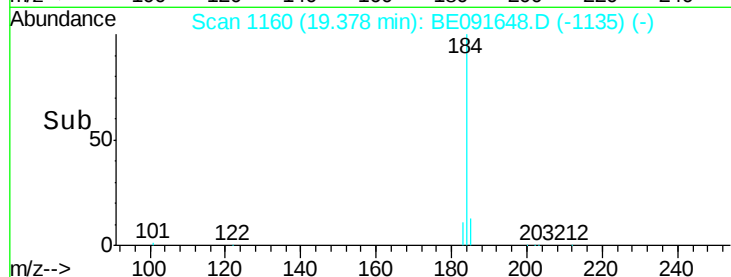
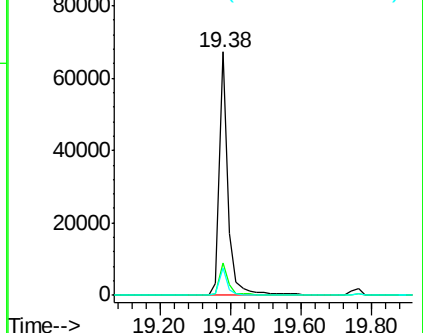
183 11.2 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 3.62 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.02 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

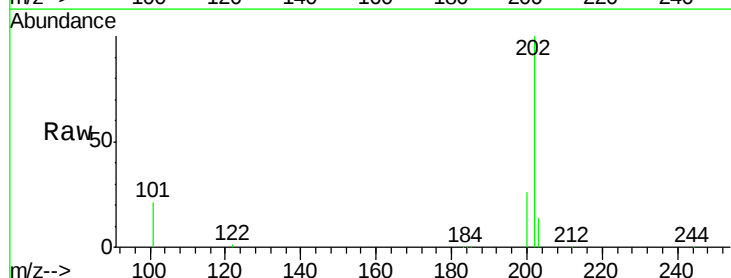
Tgt Ion:202 Resp: 299935

Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

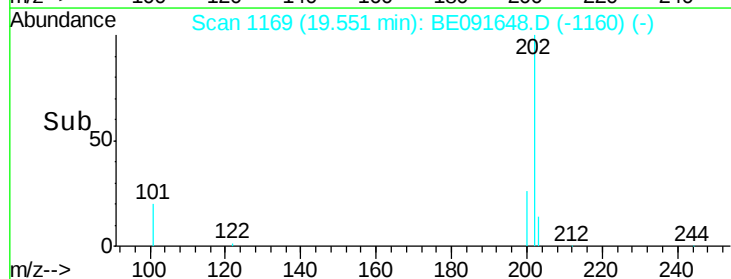
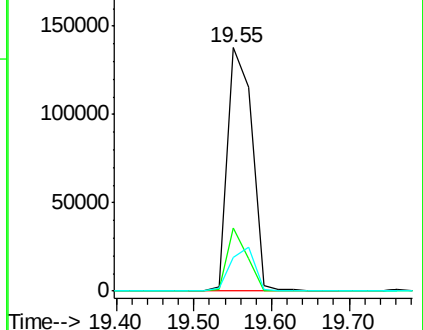
203 18.0 14.0 21.0

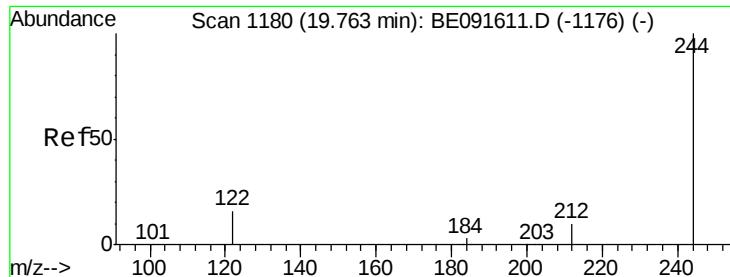


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.95 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

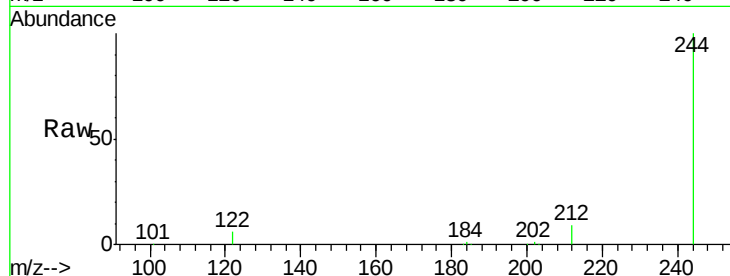
Tgt Ion:244 Resp: 204587

Ion Ratio Lower Upper

244 100

212 8.9 6.9 10.3

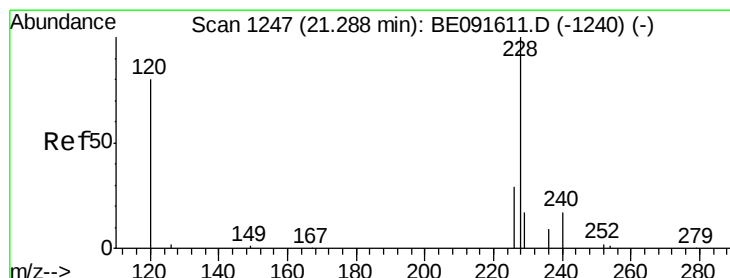
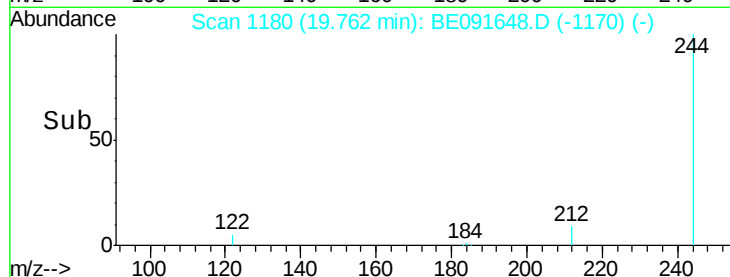
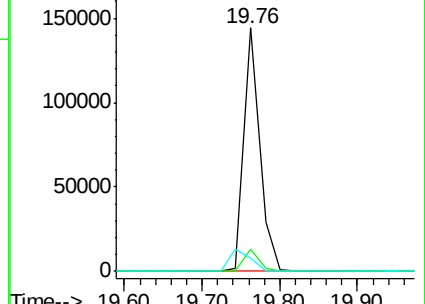
122 5.6 11.0 16.4#



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: 6.84 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

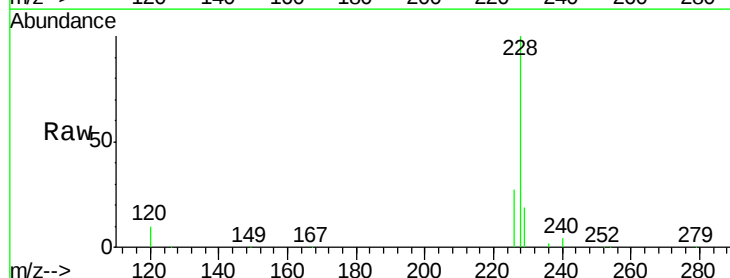
Tgt Ion:228 Resp: 634207

Ion Ratio Lower Upper

228 100

226 26.7 21.0 31.4

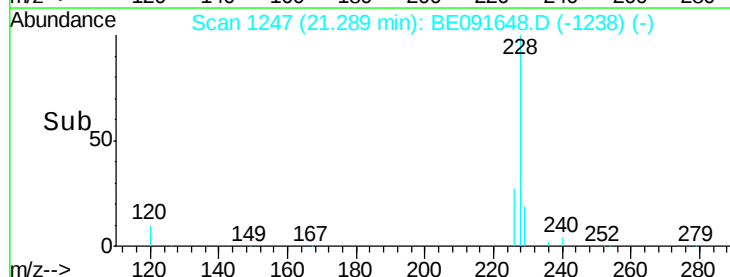
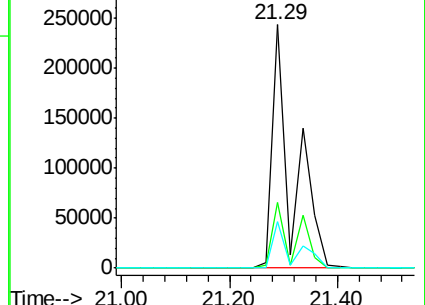
229 19.0 15.7 23.5

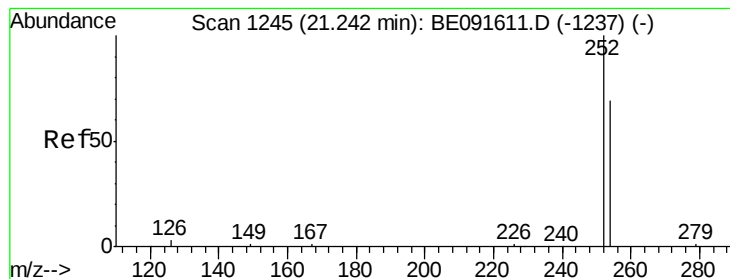


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 1.06 ng

RT: 21.24 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

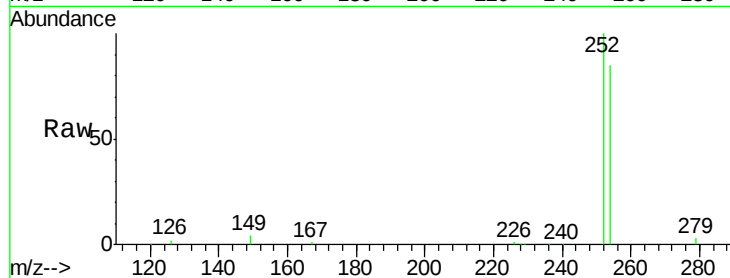
Tgt Ion:252 Resp: 62579

Ion Ratio Lower Upper

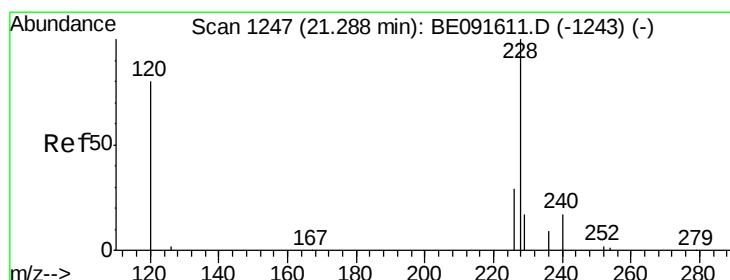
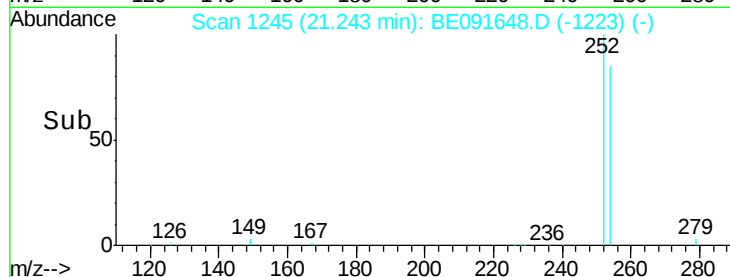
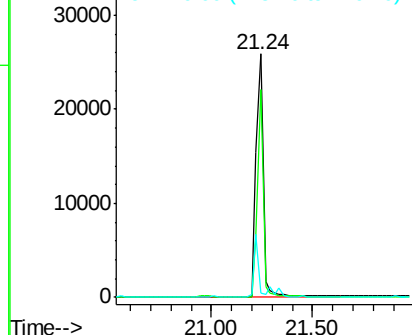
252 100

254 85.1 51.1 76.7#

126 1.5 12.6 18.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 7.57 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.07 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

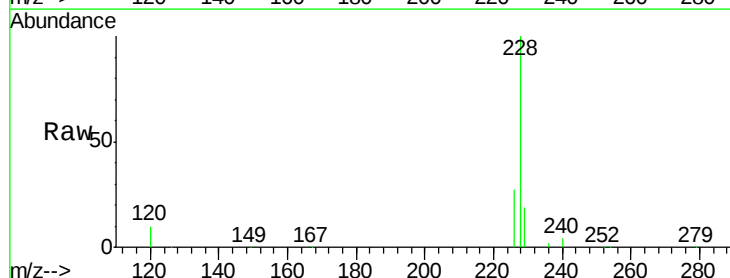
Tgt Ion:228 Resp: 637280

Ion Ratio Lower Upper

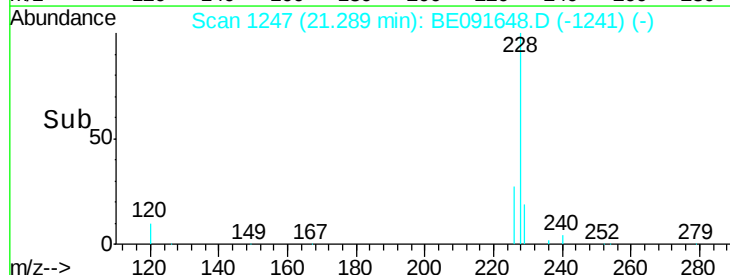
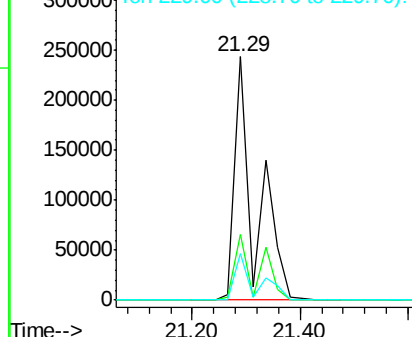
228 100

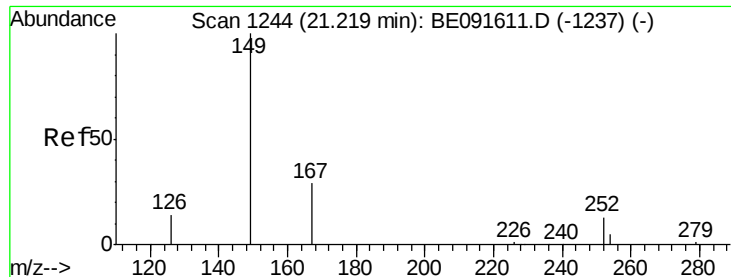
226 26.7 24.0 36.0

229 19.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

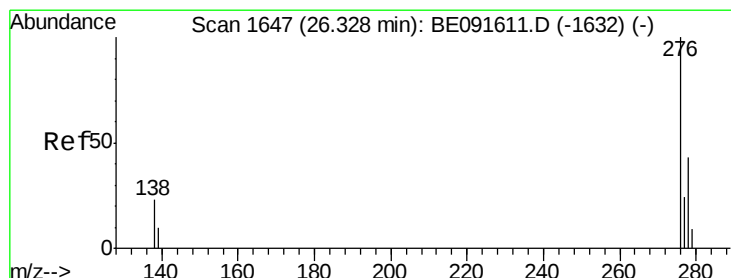
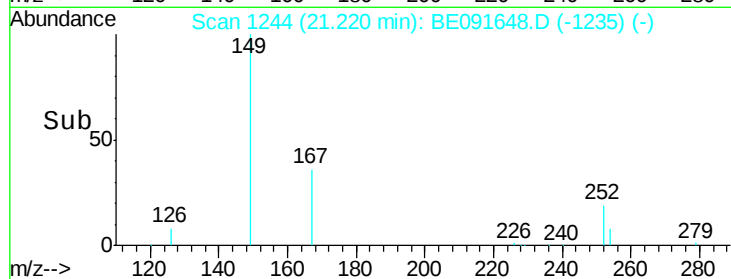
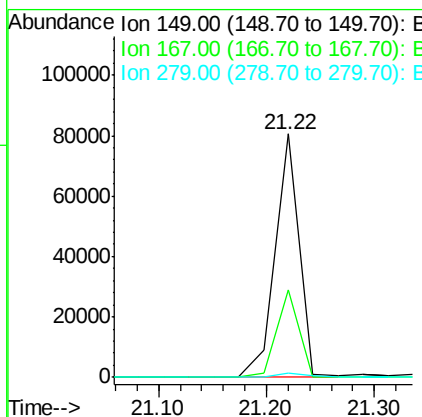
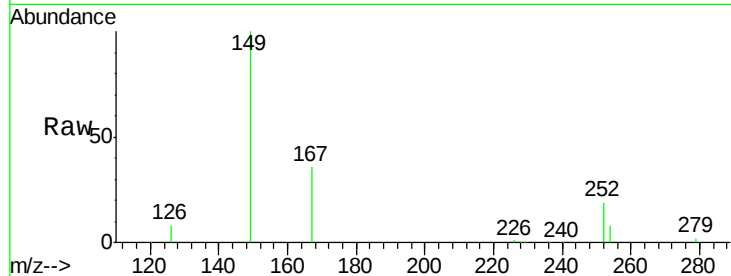




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 2.05 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BE091648.D
 Acq: 12 Apr 2016 12:26

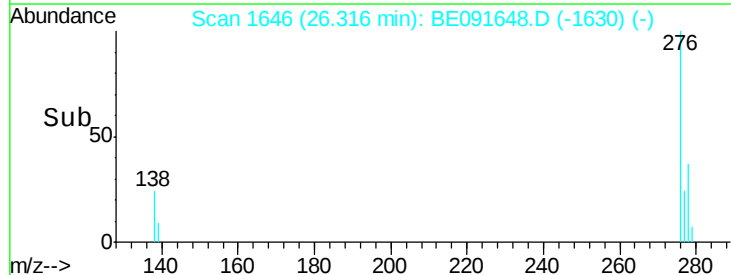
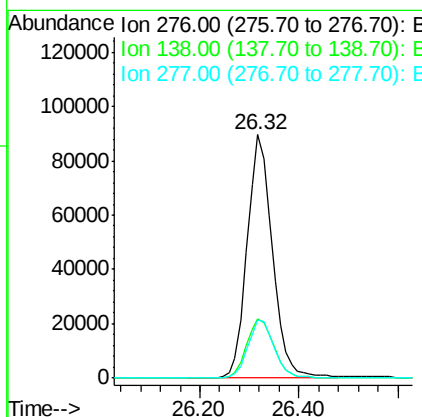
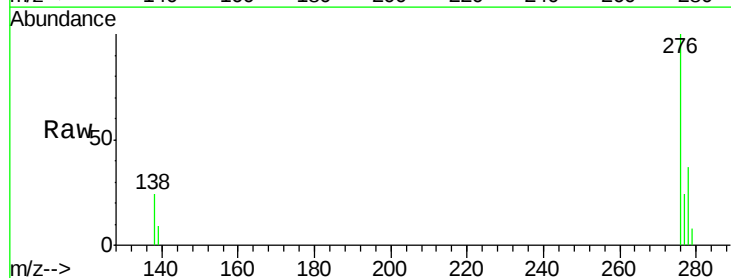
Instrument :
 BNA_E
 ClientSampleId :
 PB89409BSD

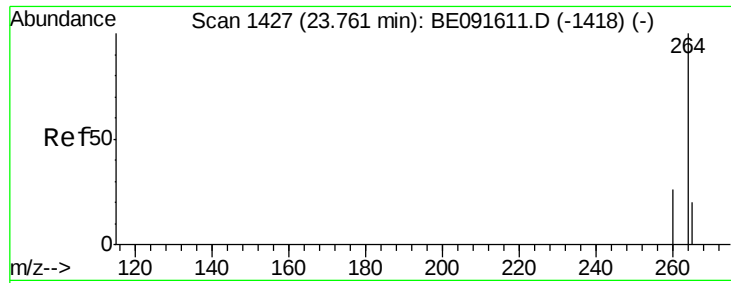
Tgt Ion:149 Resp: 124573
 Ion Ratio Lower Upper
 149 100
 167 34.1 19.5 29.3#
 279 2.2 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 3.39 ng
 RT: 26.32 min Scan# 1646
 Delta R.T. -0.01 min
 Lab File: BE091648.D
 Acq: 12 Apr 2016 12:26

Tgt Ion:276 Resp: 318197
 Ion Ratio Lower Upper
 276 100
 138 26.2 23.4 35.2
 277 24.8 19.8 29.8

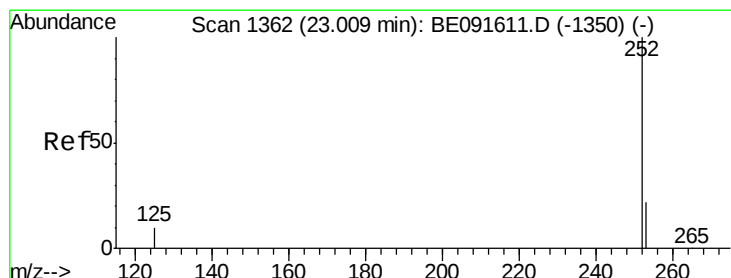
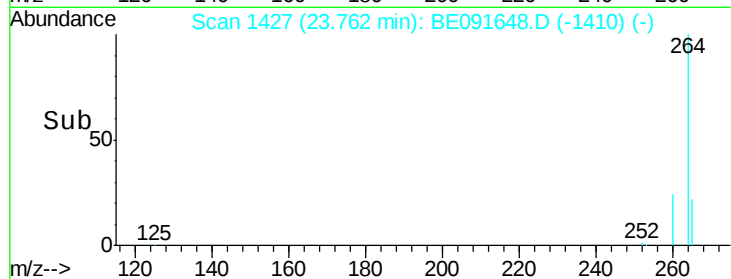
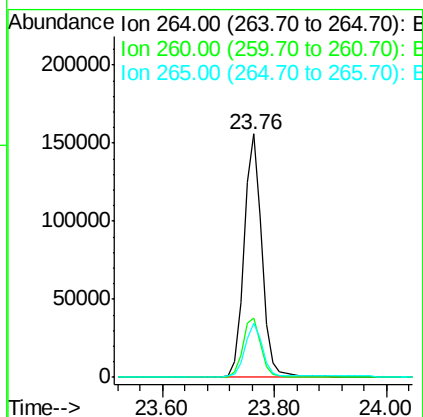
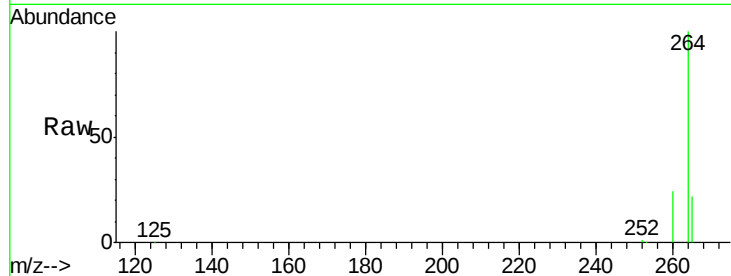




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BE091648.D
 Acq: 12 Apr 2016 12:26

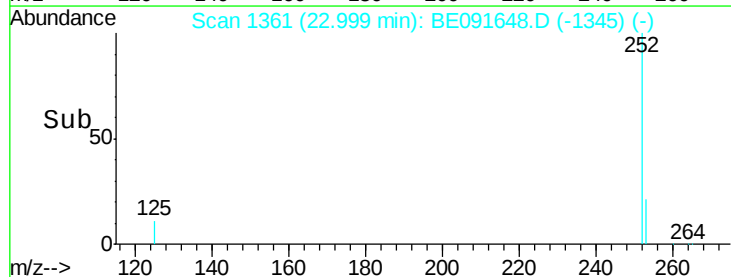
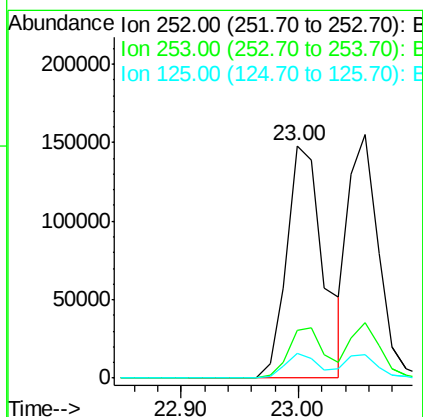
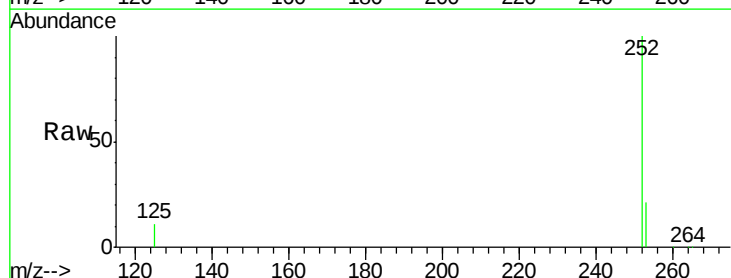
Instrument :
 BNA_E
 ClientSampleId :
 PB89409BSD

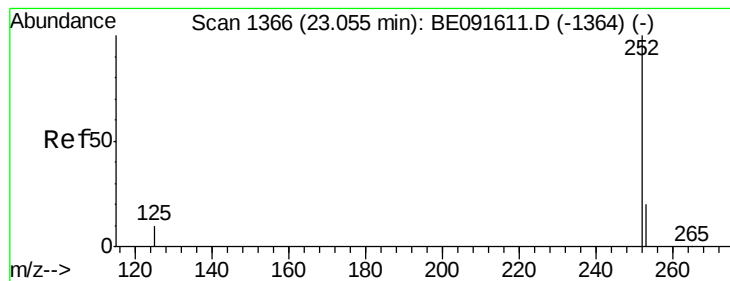
Tgt Ion: 264 Resp: 346214
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.0 30.0
 265 22.4 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 3.99 ng
 RT: 23.00 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: BE091648.D
 Acq: 12 Apr 2016 12:26

Tgt Ion: 252 Resp: 320729
 Ion Ratio Lower Upper
 252 100
 253 20.6 17.4 26.0
 125 10.7 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 4.05 ng

RT: 23.00 min Scan# 1361

Delta R.T. -0.06 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

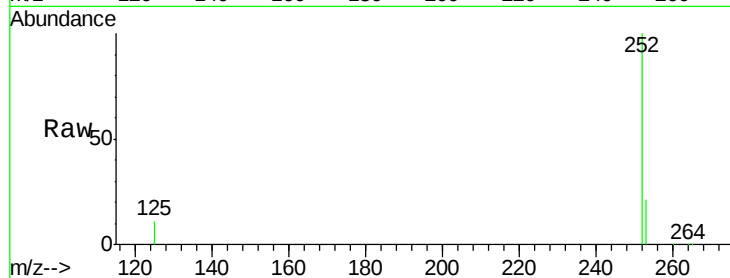
Tgt Ion: 252 Resp: 320729

Ion Ratio Lower Upper

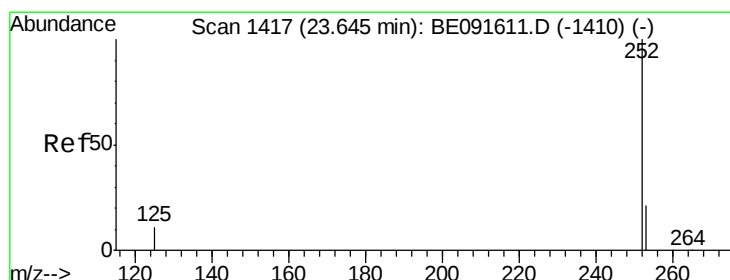
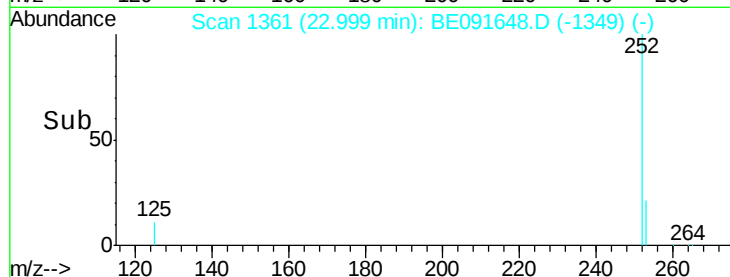
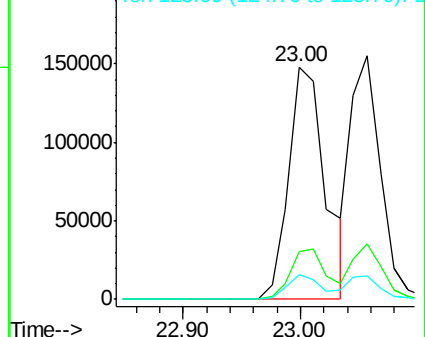
252 100

253 20.6 17.6 26.4

125 10.7 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: 3.70 ng

RT: 23.65 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

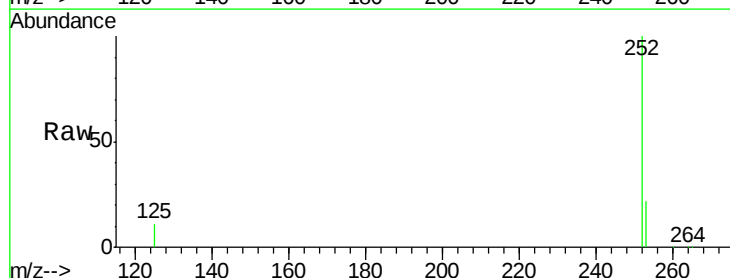
Tgt Ion: 252 Resp: 276454

Ion Ratio Lower Upper

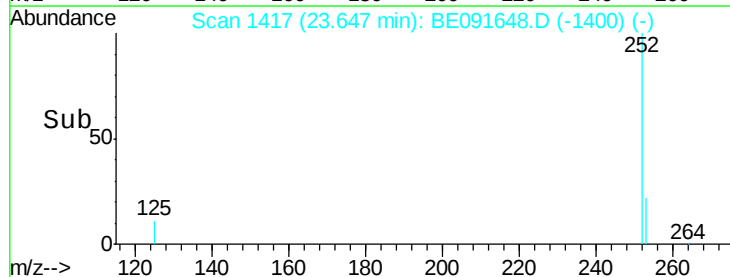
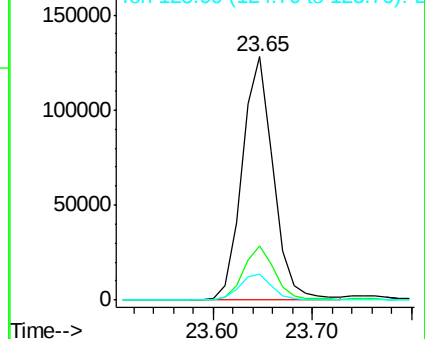
252 100

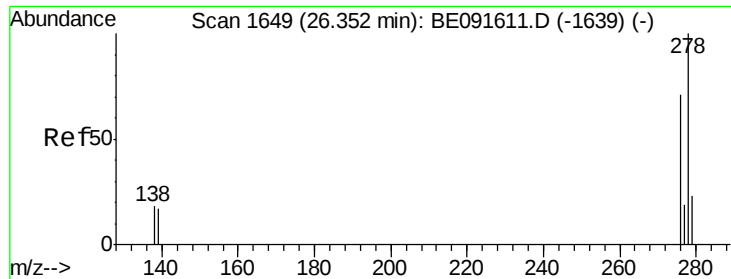
253 22.4 18.1 27.1

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: 3.63 ng

RT: 26.34 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

Instrument :

BNA_E

ClientSampleId :

PB89409BSD

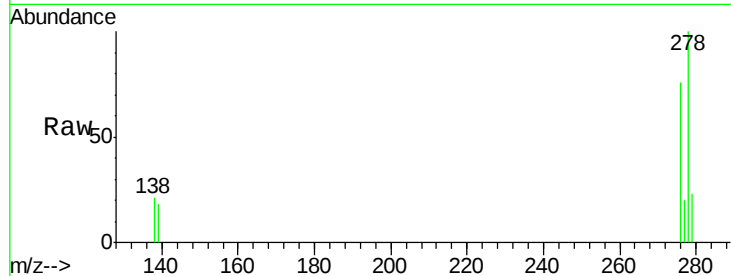
Tgt Ion: 278 Resp: 266709

Ion Ratio Lower Upper

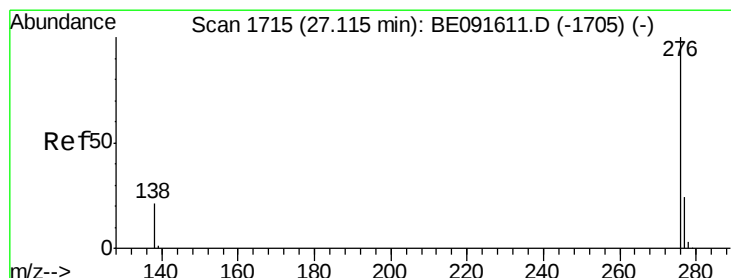
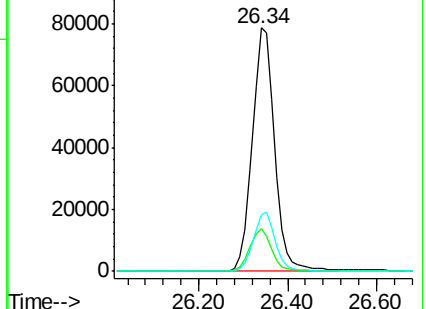
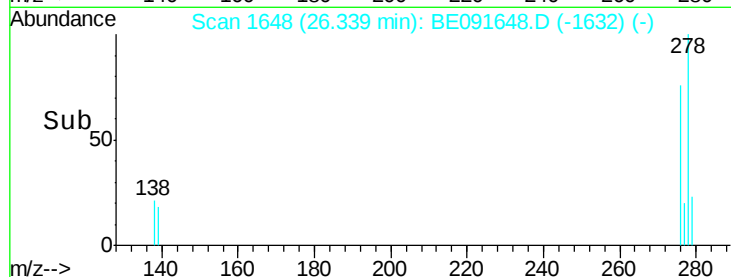
278 100

139 17.7 16.0 24.0

279 23.3 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: 3.57 ng

RT: 27.10 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BE091648.D

Acq: 12 Apr 2016 12:26

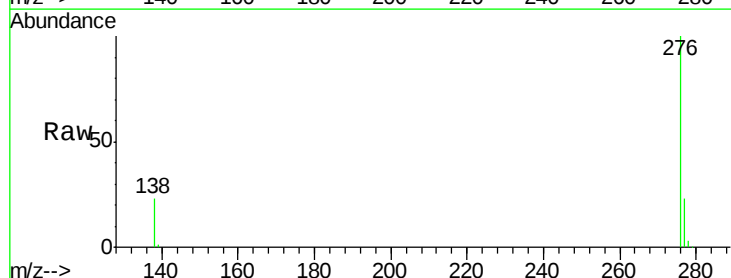
Tgt Ion: 276 Resp: 270828

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 22.8 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

