

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091615\
 Data File : BE090845.D
 Acq On : 16 Sep 2015 15:48
 Operator : UM/IZ
 Sample : PB85578BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85578BS

Quant Time: Sep 17 00:55:27 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	32967	5.00	ng	-0.01
6) Naphthalene-d8	10.30	136	148734	5.00	ng	0.00
12) Acenaphthene-d10	14.16	164	77580	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	190852	5.00	ng	0.00
25) Chrysene-d12	21.07	240	277850	5.00	ng	0.00
32) Perylene-d12	23.35	264	242297	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	43805	6.82	ng	-0.01
5) Phenol-d6	6.74	99	67492	7.35	ng	-0.01
7) Nitrobenzene-d5	8.69	82	33731	3.43	ng	-0.02
13) 2,4,6-Tribromophenol	15.67	330	14297	6.31	ng	0.00
14) 2-Fluorobiphenyl	12.78	172	67834	3.16	ng	-0.01
27) Terphenyl-d14	19.53	244	112308	3.65	ng	-0.01

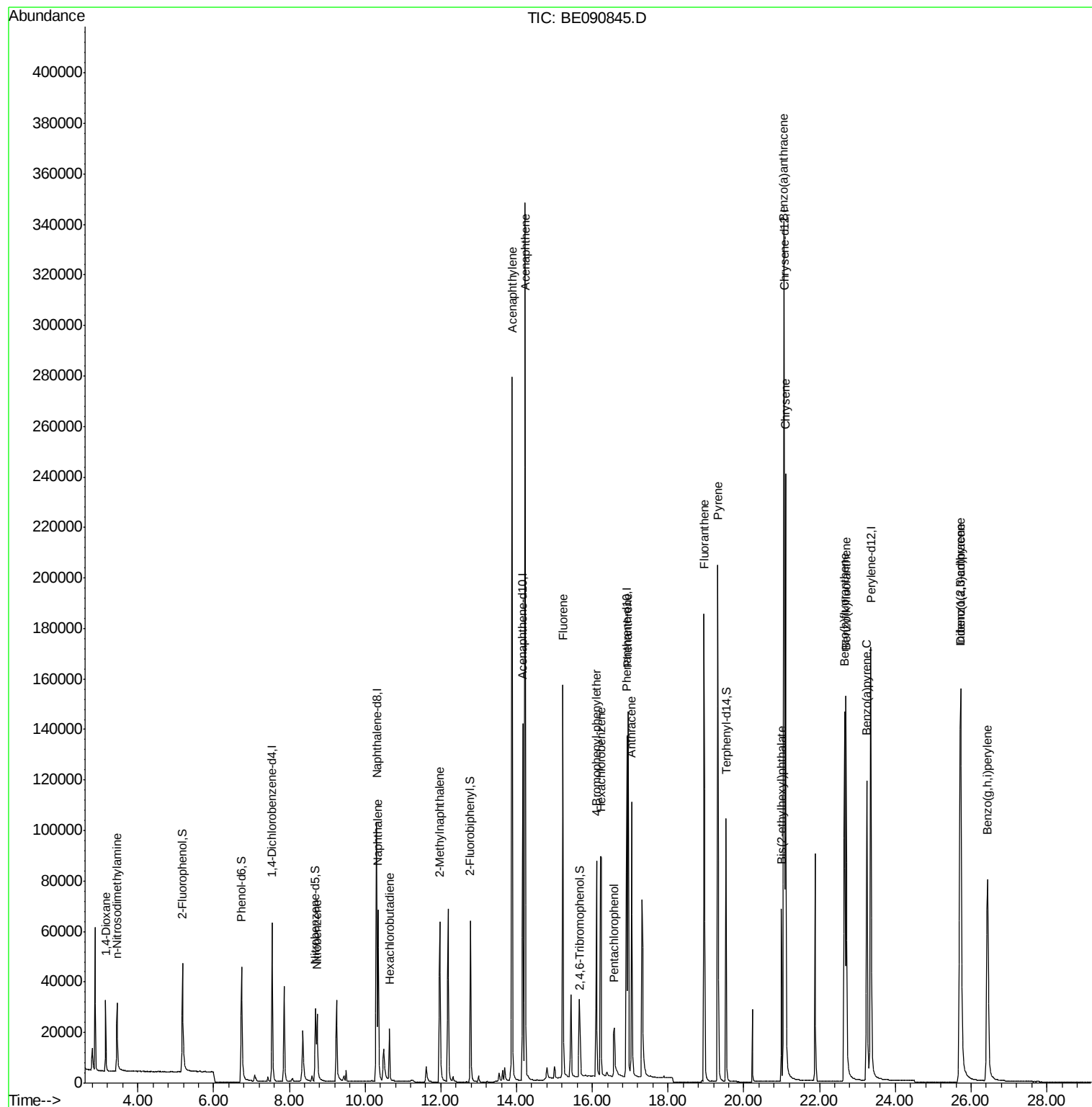
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.15	88	14487	3.32	ng	97
3) n-Nitrosodimethylamine	3.45	42	18115	3.07	ng	# 97
8) Nitrobenzene	8.73	77	35901	3.02	ng	99
9) Naphthalene	10.35	128	96809	2.98	ng	100
10) Hexachlorobutadiene	10.64	225	14617	2.88	ng	99
11) 2-Methylnaphthalene	11.97	142	58539	3.34	ng	98
15) Acenaphthylene	13.88	152	397360	3.20	ng	100
16) Acenaphthene	14.22	154	63720	3.08	ng	93
17) Fluorene	15.22	166	82357	3.19	ng	96
19) 4-Bromophenyl-phenylether	16.11	248	21600	3.32	ng	93
20) Hexachlorobenzene	16.23	284	103720	3.30	ng	99
21) Pentachlorophenol	16.58	266	15953	6.13	ng	93
22) Phenanthrene	16.94	178	153278	3.24	ng	99
23) Anthracene	17.03	178	148388	3.76	ng	99
24) Fluoranthene	18.95	202	178487	3.59	ng	99
26) Pyrene	19.32	202	203878	3.55	ng	99
28) Benzo(a)anthracene	21.05	228	211275	3.47	ng	100
29) Chrysene	21.10	228	218325	3.38	ng	99
30) Bis(2-ethylhexyl)phthalate	21.00	149	54349	2.92	ng	99
31) Indeno(1,2,3-cd)pyrene	25.71	276	218888	3.33	ng	98
33) Benzo(b)fluoranthene	22.66	252	188610	3.59	ng	99
34) Benzo(k)fluoranthene	22.70	252	218205	3.57	ng	99
35) Benzo(a)pyrene	23.25	252	178266	3.79	ng	100
36) Dibenzo(a,h)anthracene	25.73	278	179878	3.19	ng	100
37) Benzo(g,h,i)perylene	26.43	276	186600	3.45	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.54 min Scan# 836

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

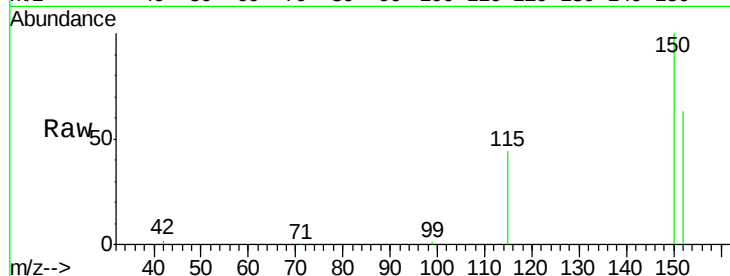
Tot Ion:152 Resp: 32967

Ion Ratio Lower Upper

152 100

150 157.6 122.2 183.4

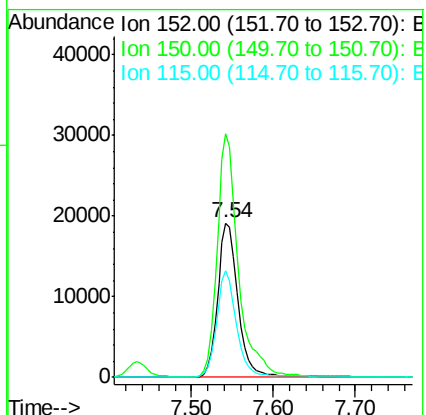
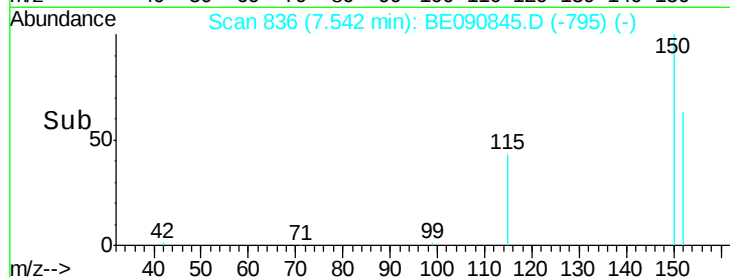
115 68.7 51.0 76.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.32 ng

RT: 3.15 min Scan# 81

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

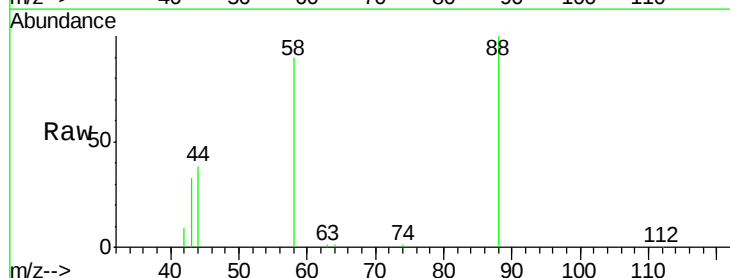
Tgt Ion: 88 Resp: 14487

Ion Ratio Lower Upper

88 100

58 89.8 68.4 102.6

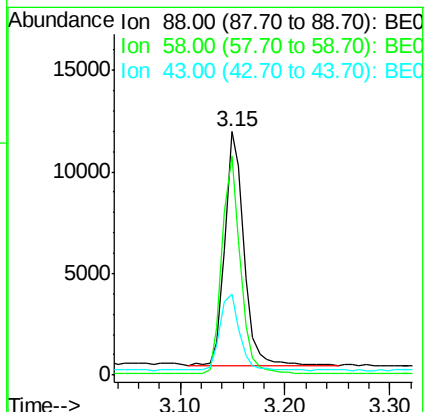
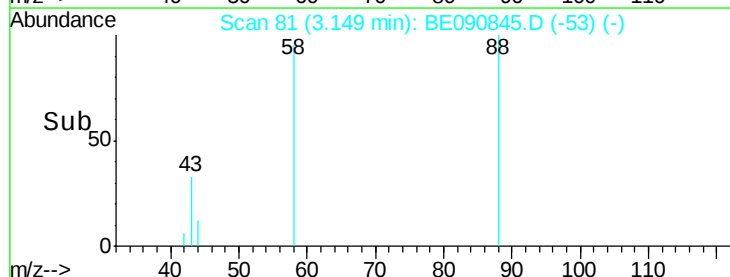
43 33.4 26.9 40.3

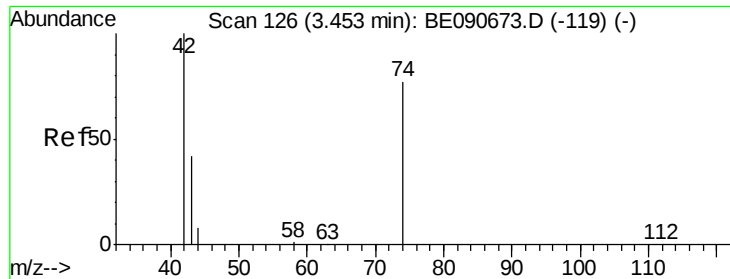


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



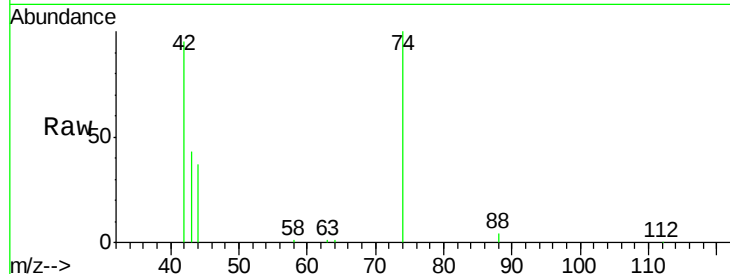


#3

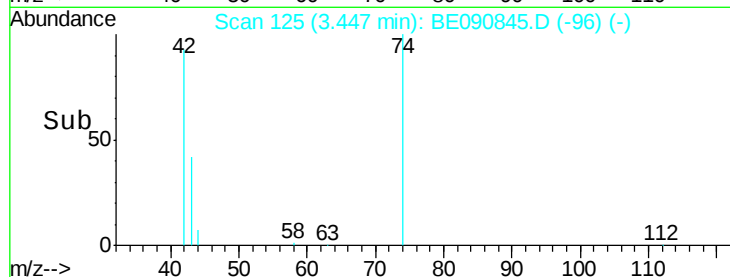
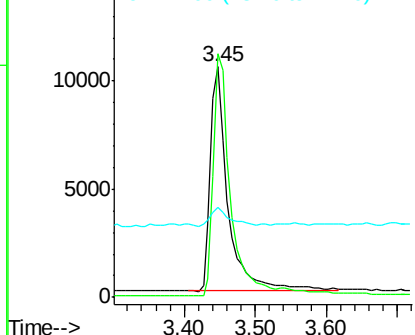
n-Nitrosodimethylamine
 Concen: 3.07 ng
 RT: 3.45 min Scan# 125
 Delta R.T. -0.00 min
 Lab File: BE090845.D
 Acq: 16 Sep 2015 15:48

Instrument :
 BNA_E
 ClientSampleId :
 PB85578BS

Tot Ion: 42 Resp: 18115
 Ion Ratio Lower Upper
 42 100
 74 102.3 83.7 125.5
 44 8.9 10.0 15.0#



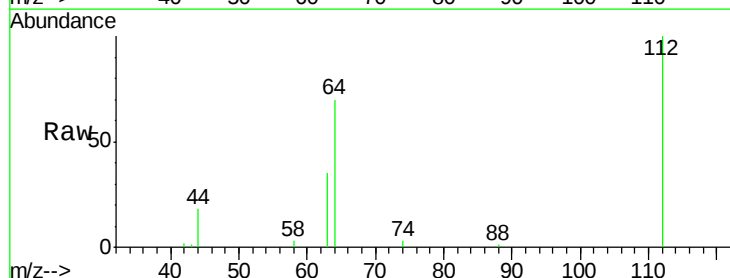
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



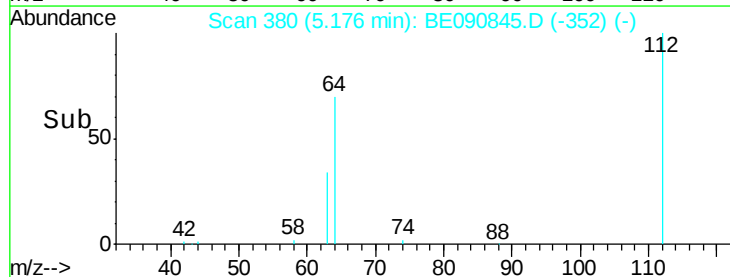
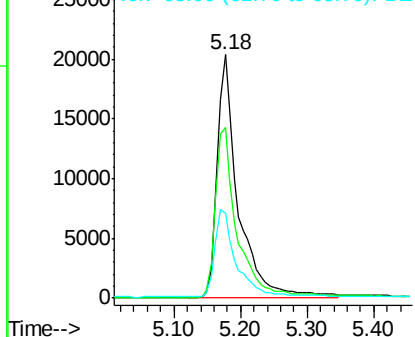
#4

2-Fluorophenol
 Concen: 6.82 ng
 RT: 5.18 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: BE090845.D
 Acq: 16 Sep 2015 15:48

Tgt Ion: 112 Resp: 43805
 Ion Ratio Lower Upper
 112 100
 64 72.4 57.3 85.9
 63 37.4 29.2 43.8



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





#5

Phenol-d6

Concen: 7.35 ng

RT: 6.74 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

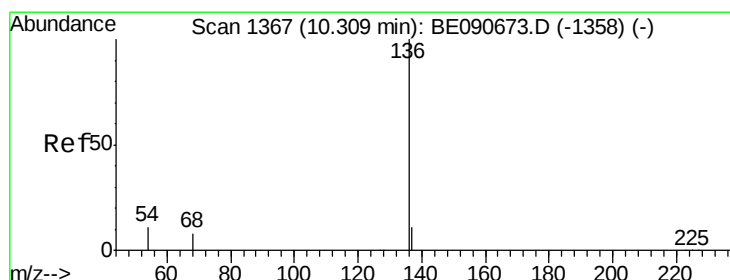
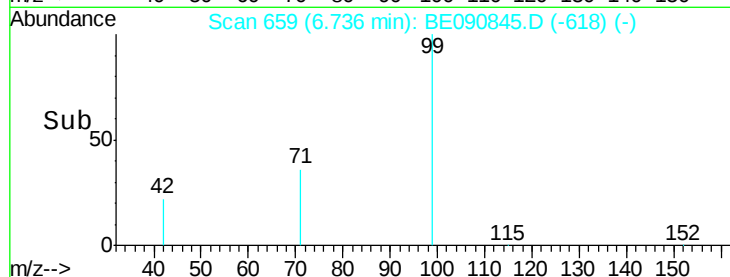
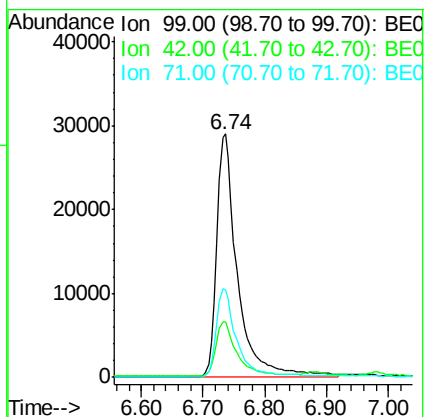
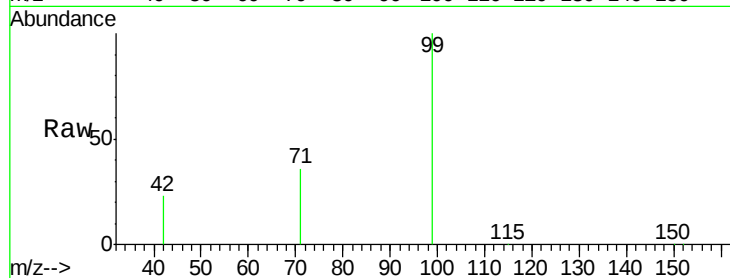
Tot Ion: 99 Resp: 67492

Ion Ratio Lower Upper

99 100

42 22.4 16.8 25.2

71 36.4 28.3 42.5



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Tgt Ion: 136 Resp: 148734

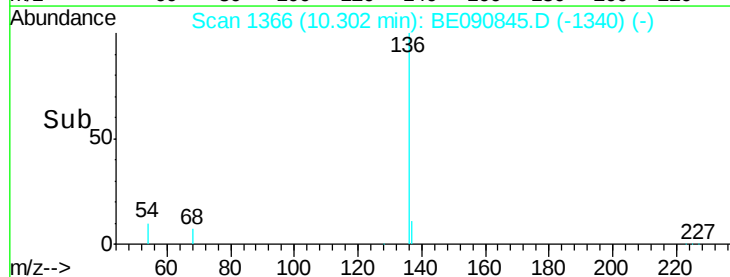
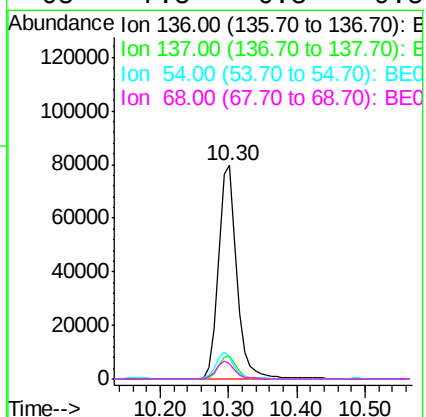
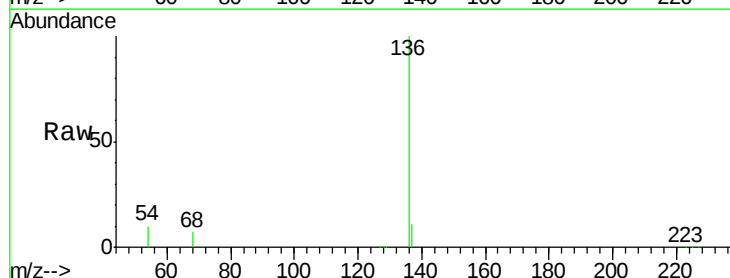
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.5 9.0 13.6

68 7.5 6.3 9.5





#7

Nitrobenzene-d5

Concen: 3.43 ng

RT: 8.69 min Scan# 1084

Delta R.T. -0.02 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

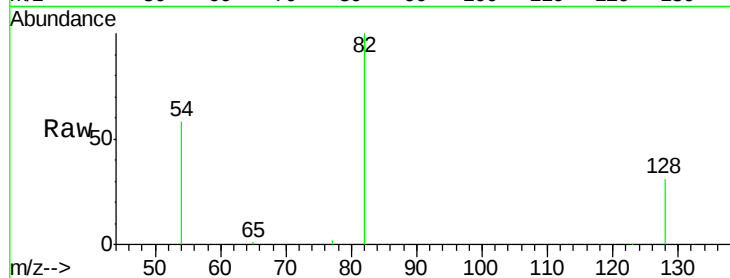
Tot Ion: 82 Resp: 33731

Ion Ratio Lower Upper

82 100

128 30.8 25.0 37.4

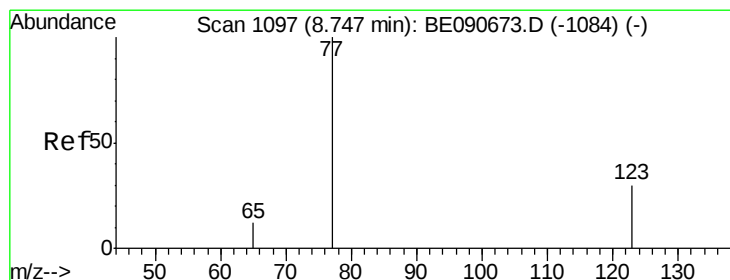
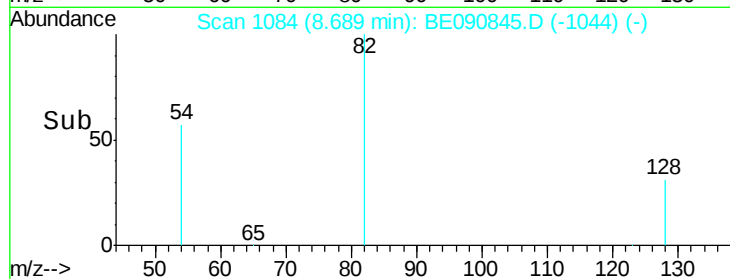
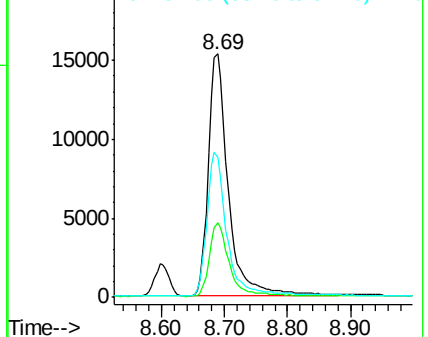
54 57.6 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE090845.D (-1044) (-)

Ion 128.00 (127.70 to 128.70): BE090845.D (-1044) (-)

Ion 54.00 (53.70 to 54.70): BE090845.D (-1044) (-)



#8

Nitrobenzene

Concen: 3.02 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.02 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

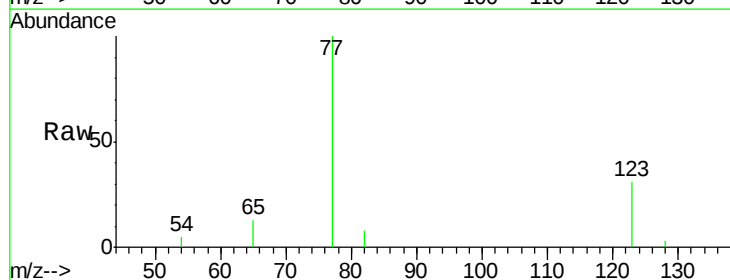
Tgt Ion: 77 Resp: 35901

Ion Ratio Lower Upper

77 100

123 31.9 25.1 37.7

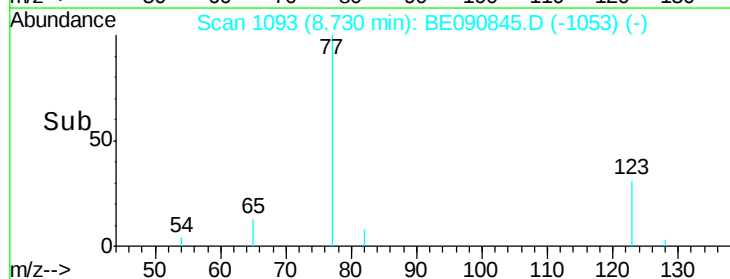
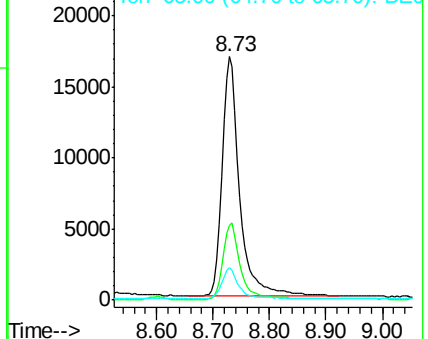
65 12.5 9.9 14.9



Abundance Ion 77.00 (76.70 to 77.70): BE090845.D (-1053) (-)

Ion 123.00 (122.70 to 123.70): BE090845.D (-1053) (-)

Ion 65.00 (64.70 to 65.70): BE090845.D (-1053) (-)





#9

Naphthalene

Concen: 2.98 ng

RT: 10.35 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

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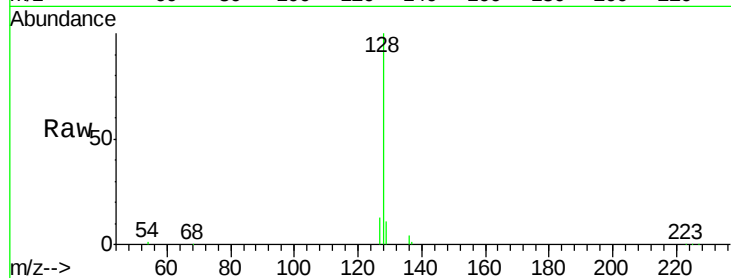
Tot Ion:128 Resp: 96809

Ion Ratio Lower Upper

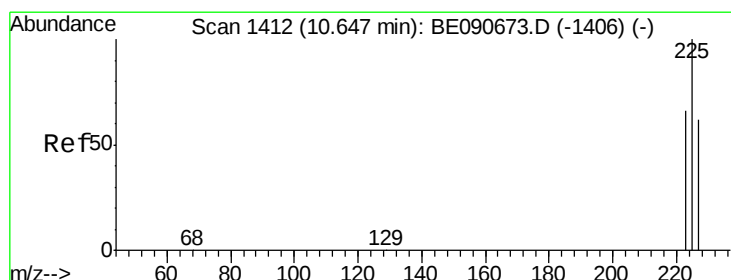
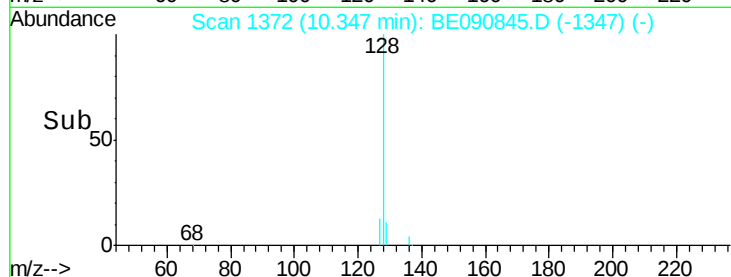
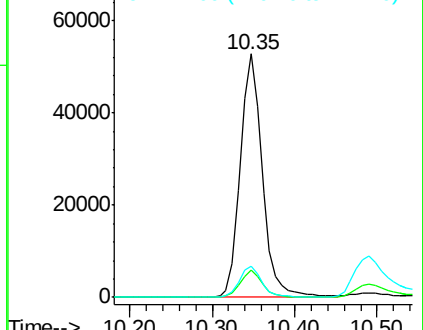
128 100

129 11.2 9.0 13.6

127 13.0 10.6 15.8



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



#10

Hexachlorobutadiene

Concen: 2.88 ng

RT: 10.64 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

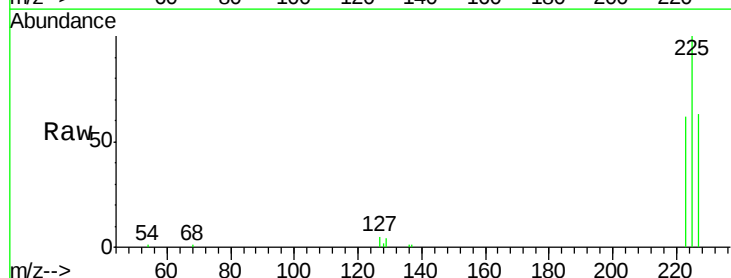
Tgt Ion:225 Resp: 14617

Ion Ratio Lower Upper

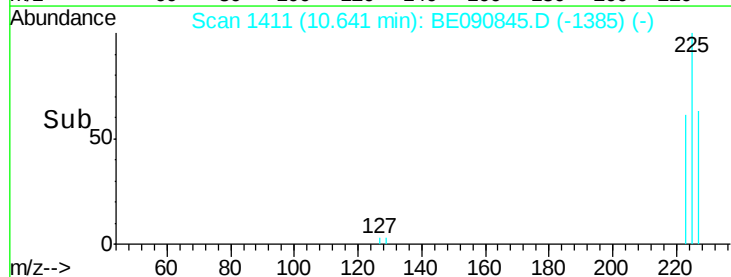
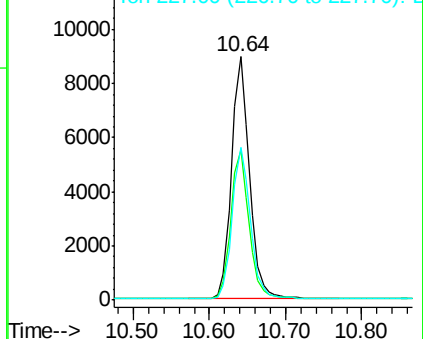
225 100

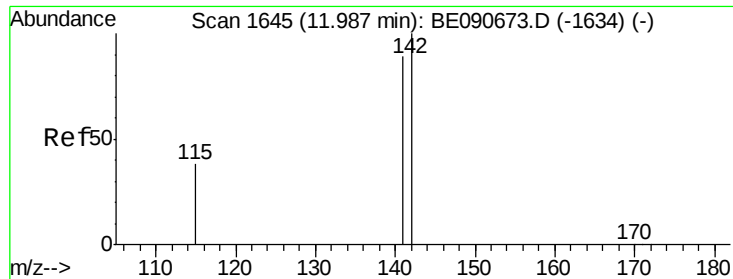
223 62.3 50.6 76.0

227 63.9 51.0 76.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

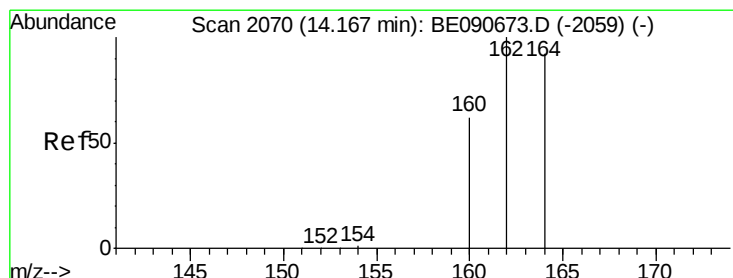
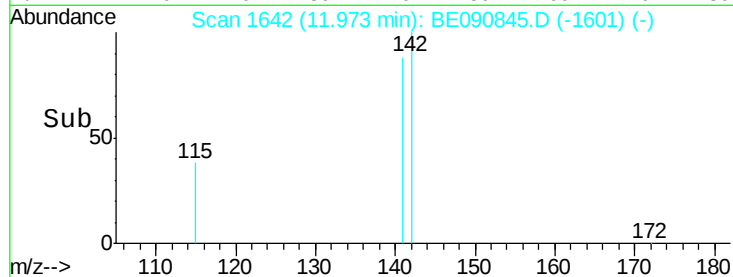
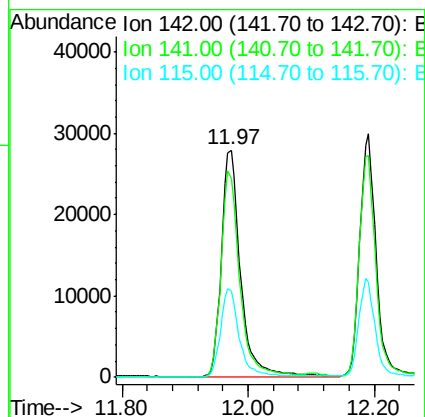
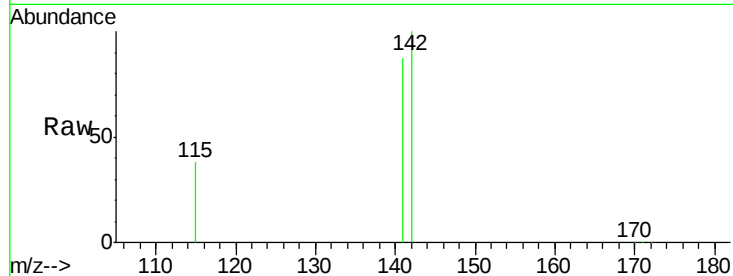




#11
2-Methylnaphthalene
Concen: 3.34 ng
RT: 11.97 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

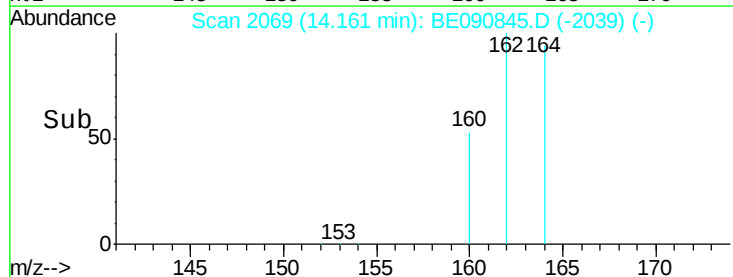
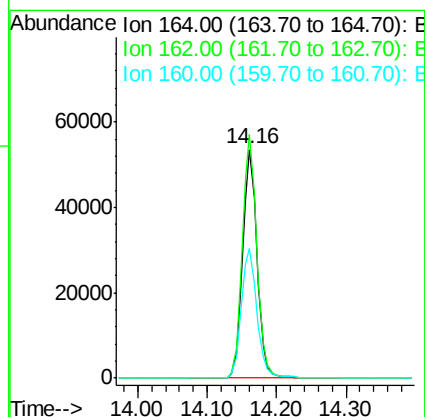
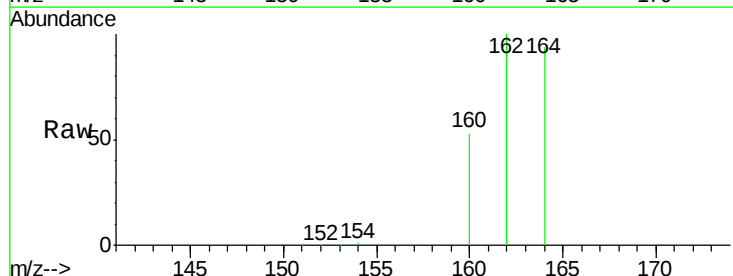
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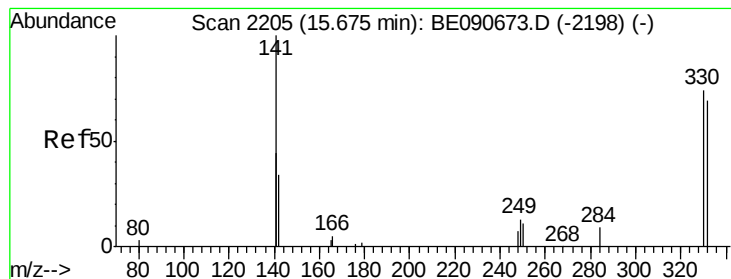
Tot Ion:142 Resp: 58539
Ion Ratio Lower Upper
142 100
141 87.3 71.4 107.2
115 38.0 31.0 46.4



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.16 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:164 Resp: 77580
Ion Ratio Lower Upper
164 100
162 106.7 86.8 130.2
160 56.9 53.9 80.9





#13

2,4,6-Tribromophenol

Concen: 6.31 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

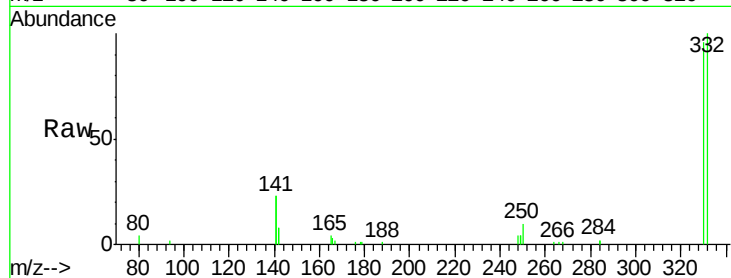
Tot Ion:330 Resp: 14297

Ion Ratio Lower Upper

330 100

332 95.3 74.9 112.3

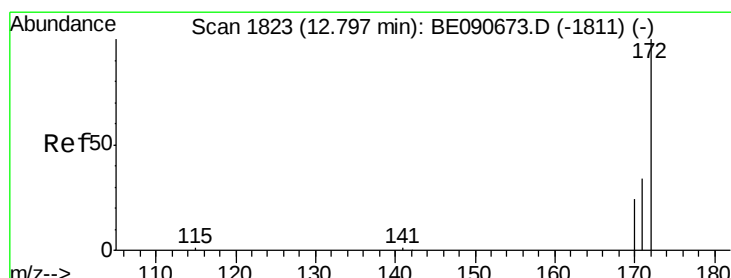
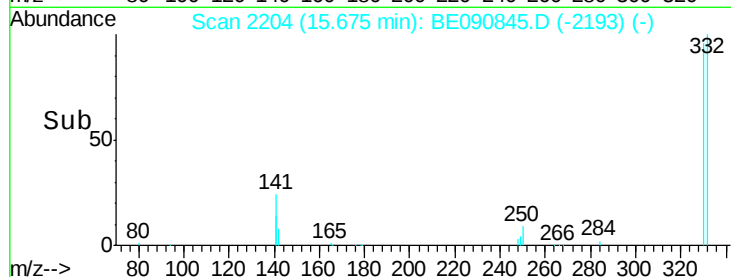
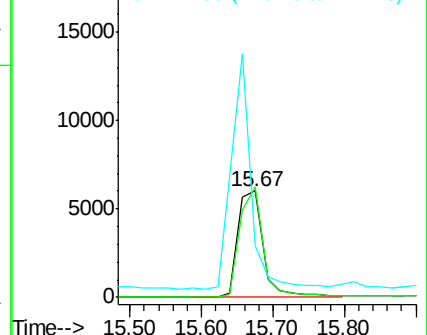
141 175.4 145.2 217.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#14

2-Fluorobiphenyl

Concen: 3.16 ng

RT: 12.78 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

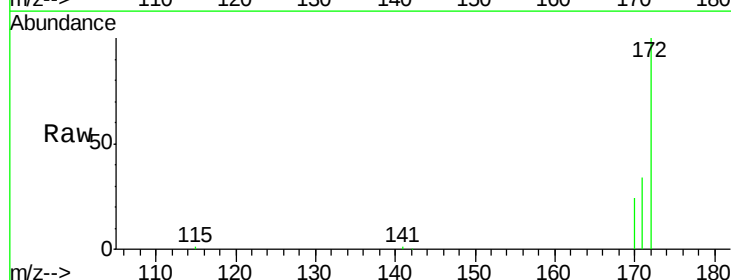
Tgt Ion:172 Resp: 67834

Ion Ratio Lower Upper

172 100

171 34.3 27.8 41.8

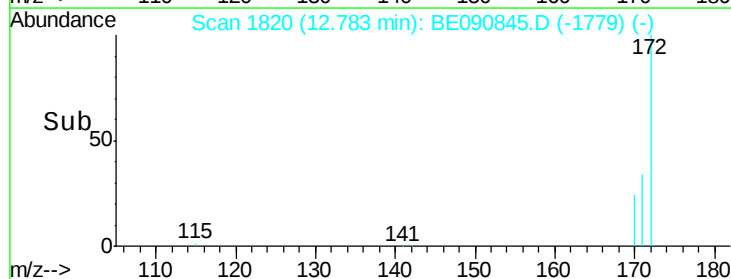
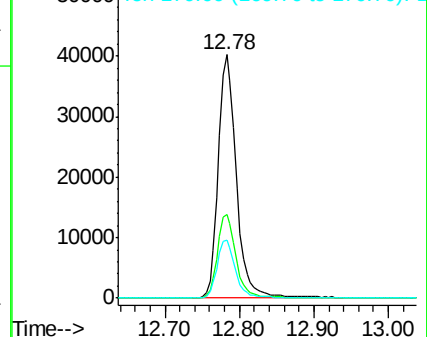
170 23.8 19.8 29.6

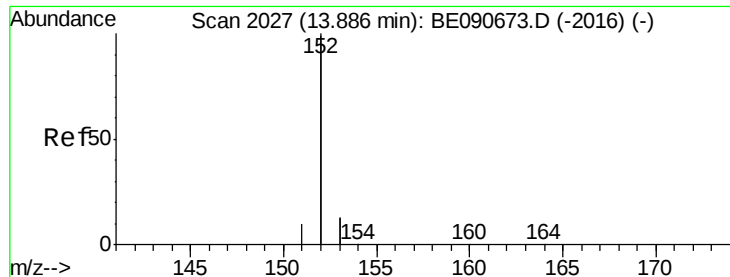


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 3.20 ng

RT: 13.88 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

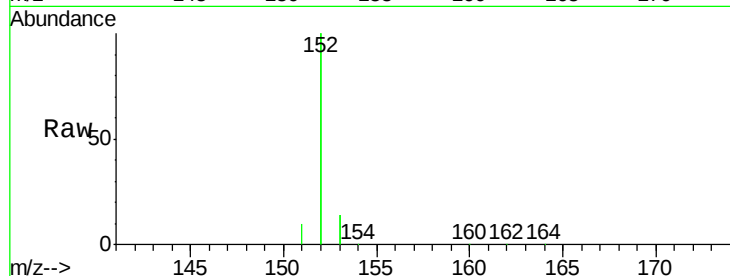
Tot Ion:152 Resp: 397360

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 13.0 10.3 15.5

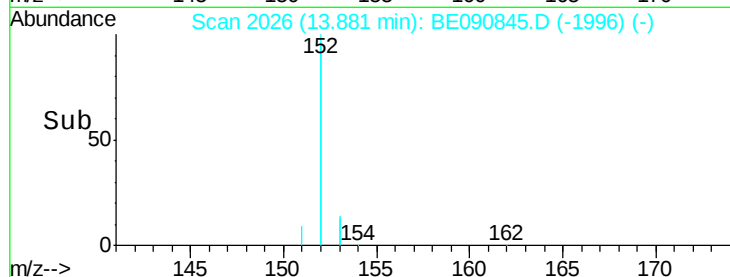


Abundance Ion 152.00 (151.70 to 152.70): E

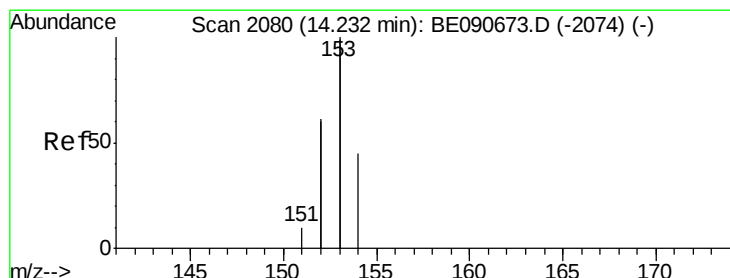
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time-->



Time-->



#16

Acenaphthene

Concen: 3.08 ng

RT: 14.22 min Scan# 2078

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

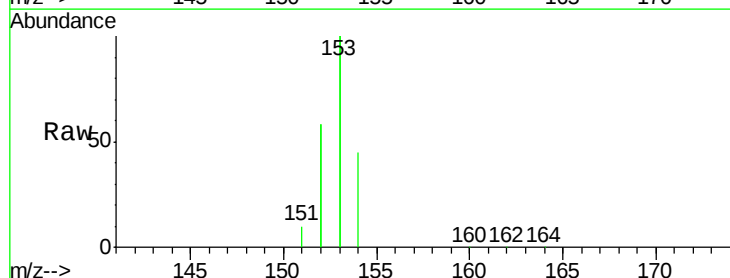
Tgt Ion:154 Resp: 63720

Ion Ratio Lower Upper

154 100

153 439.7 354.5 531.7

152 253.1 227.8 341.6

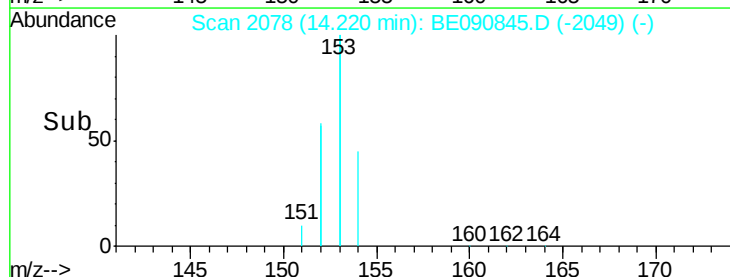


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



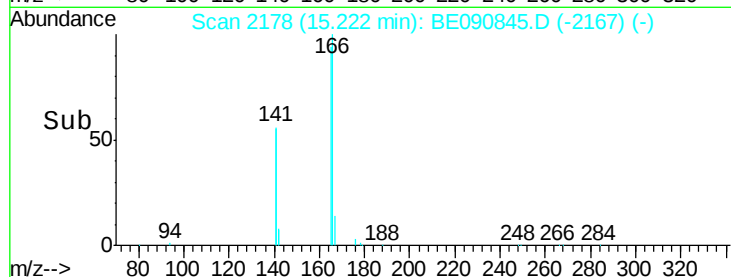
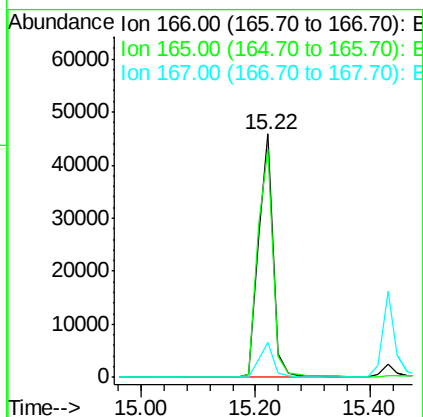
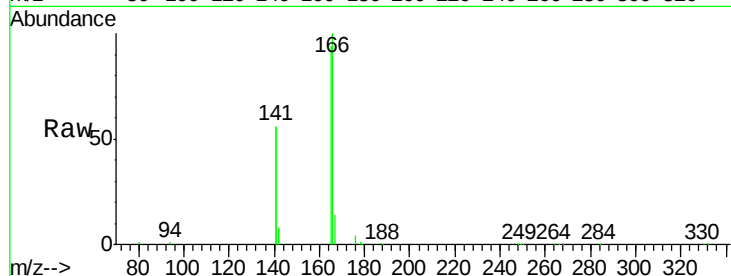
Time-->



#17
Fluorene
Concen: 3.19 ng
RT: 15.22 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

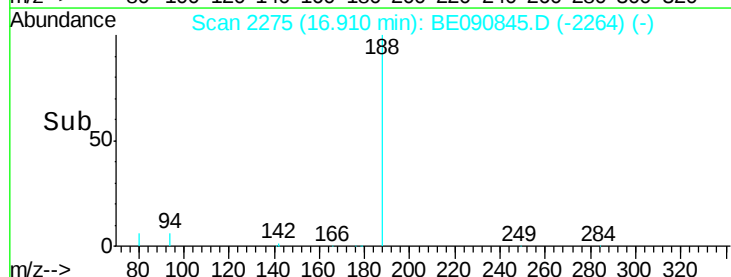
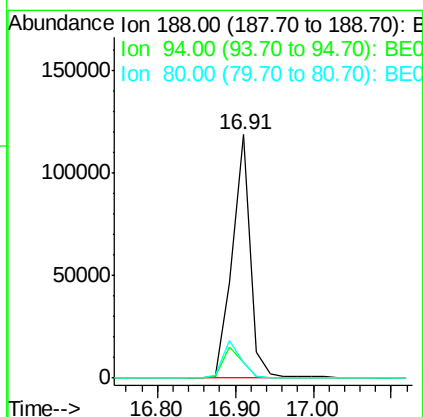
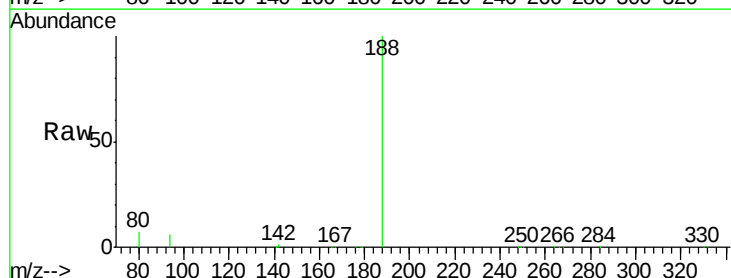
Instrument :
BNA_E
ClientSampleId :
PB85578BS

Tot Ion:166 Resp: 82357
Ion Ratio Lower Upper
166 100
165 99.1 82.7 124.1
167 13.7 10.7 16.1



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090845.D
Acq: 16 Sep 2015 15:48

Tgt Ion:188 Resp: 190852
Ion Ratio Lower Upper
188 100
94 6.4 10.3 15.5#
80 6.6 11.0 16.6#





#19

4-Bromophenyl-phenylether

Concen: 3.32 ng

RT: 16.11 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

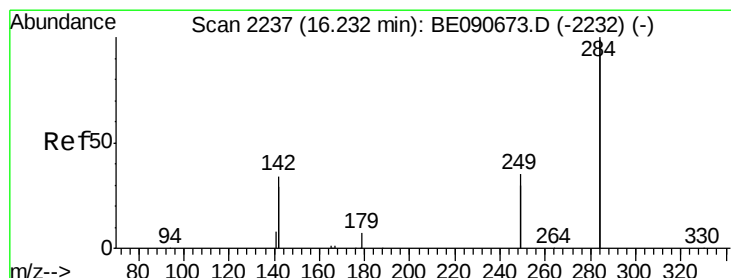
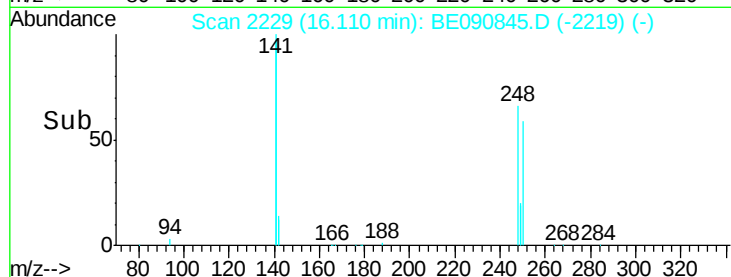
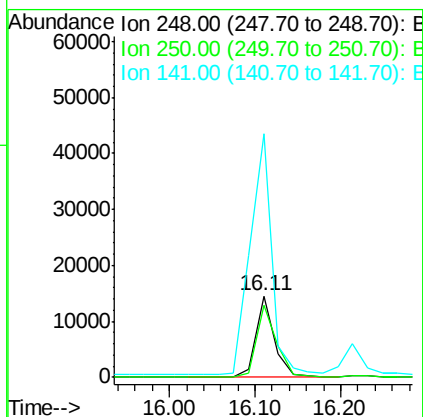
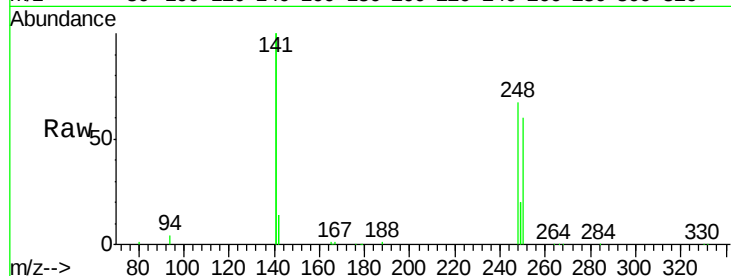
Tot Ion:248 Resp: 21600

Ion Ratio Lower Upper

248 100

250 96.3 76.7 115.1

141 345.6 292.6 439.0



#20

Hexachlorobenzene

Concen: 3.30 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

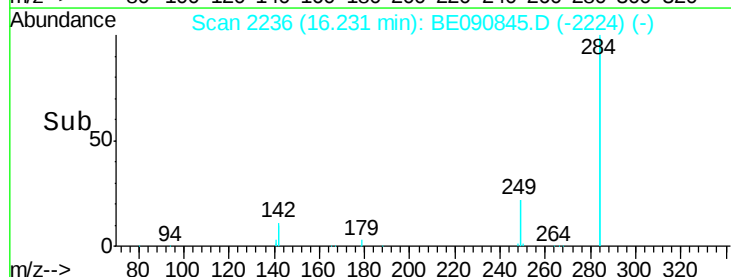
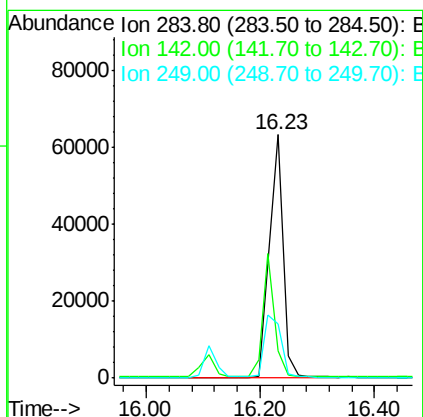
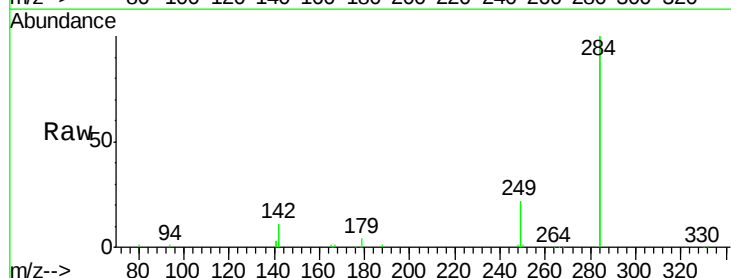
Tgt Ion:284 Resp: 103720

Ion Ratio Lower Upper

284 100

142 44.2 35.0 52.4

249 31.7 25.5 38.3

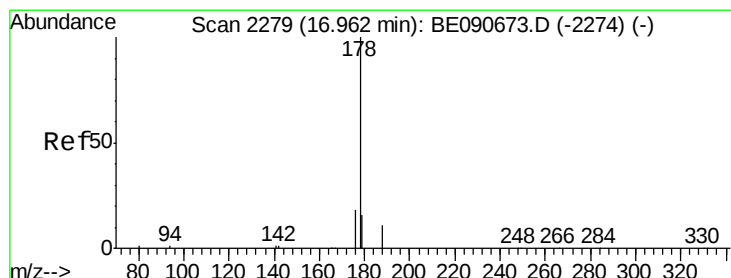
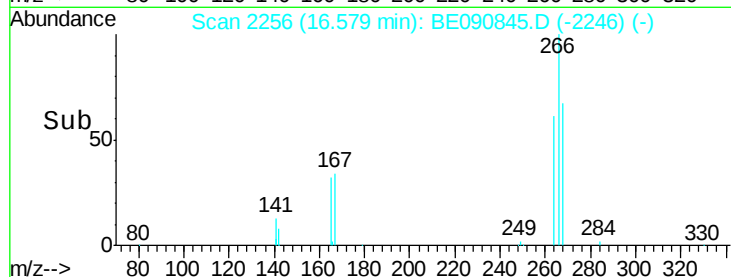
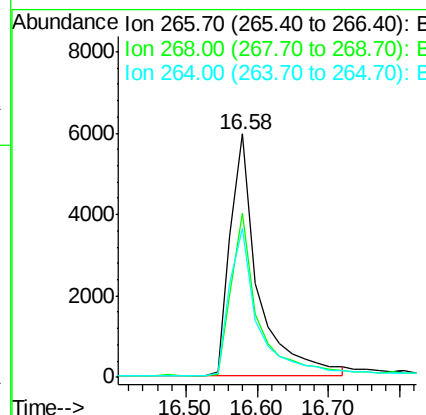
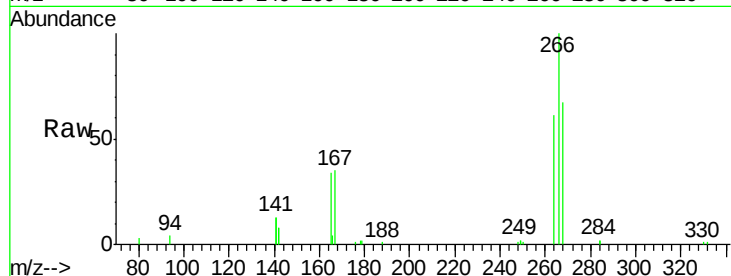




#21
 Pentachlorophenol
 Concen: 6.13 ng
 RT: 16.58 min Scan# 2256
 Delta R.T. -0.02 min
 Lab File: BE090845.D
 Acq: 16 Sep 2015 15:48

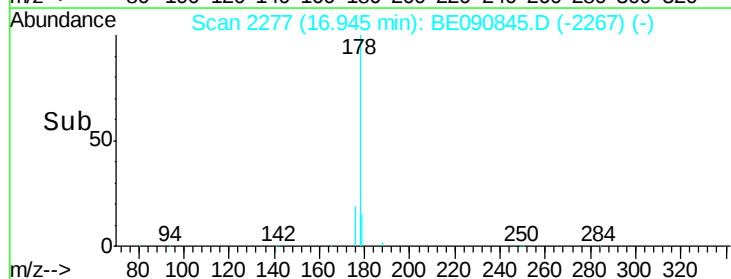
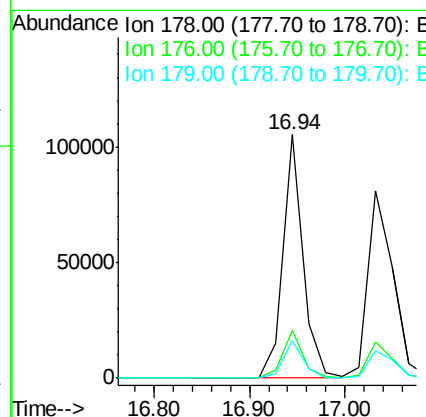
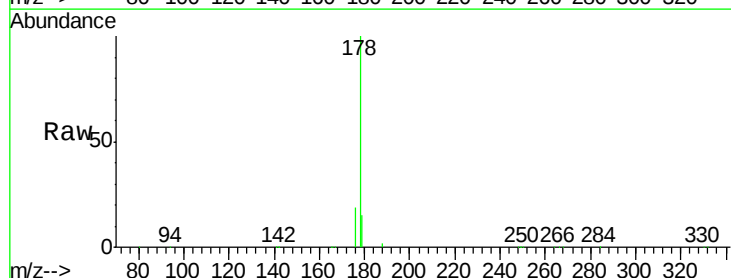
Instrument :
 BNA_E
 ClientSampleId :
 PB85578BS

Tot Ion	Ratio	Lower	Upper
266	100		
268	67.5	49.6	74.4
264	61.2	53.9	80.9



#22
 Phenanthrene
 Concen: 3.24 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BE090845.D
 Acq: 16 Sep 2015 15:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.5	12.8	19.2





#23

Anthracene

Concen: 3.76 ng

RT: 17.03 min Scan# 2282

Delta R.T. -0.02 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

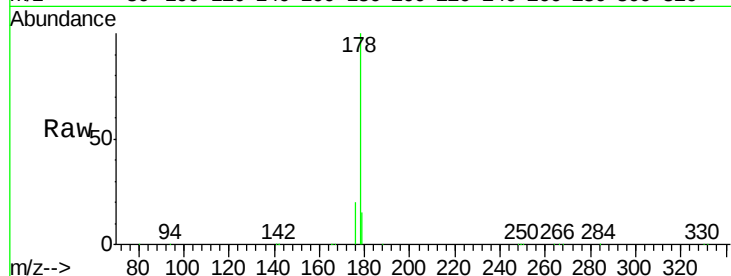
Tot Ion:178 Resp: 148388

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

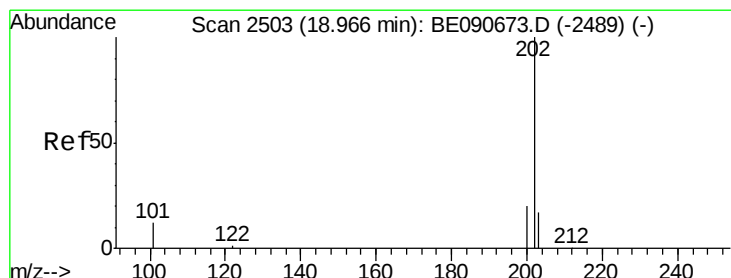
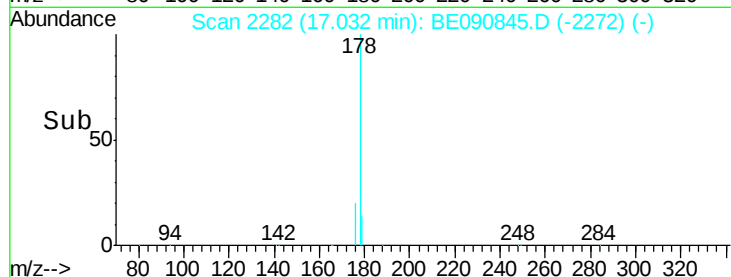
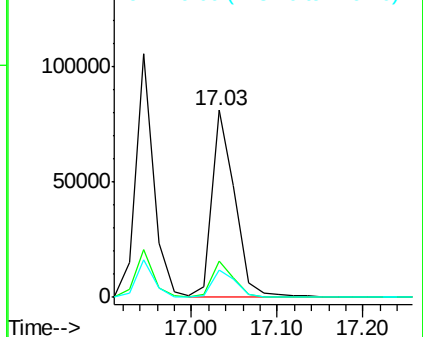
179 14.9 12.3 18.5



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

Fluoranthene

Concen: 3.59 ng

RT: 18.95 min Scan# 2499

Delta R.T. -0.02 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

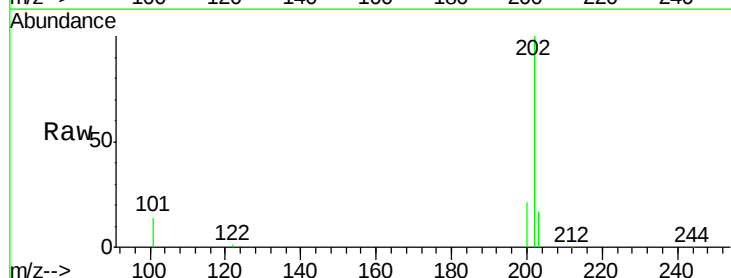
Tgt Ion:202 Resp: 178487

Ion Ratio Lower Upper

202 100

101 14.3 11.0 16.6

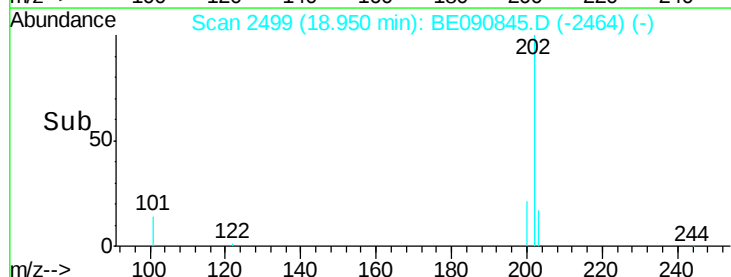
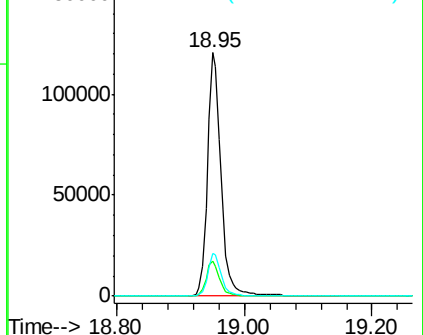
203 17.3 13.9 20.9



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





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

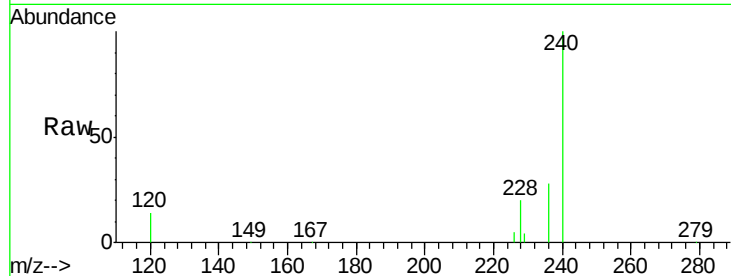
Tot Ion:240 Resp: 277850

Ion Ratio Lower Upper

240 100

120 14.0 10.1 15.1

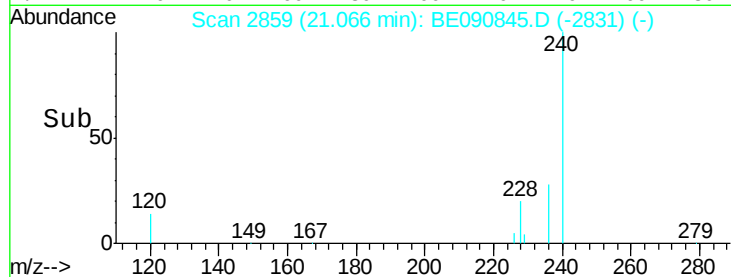
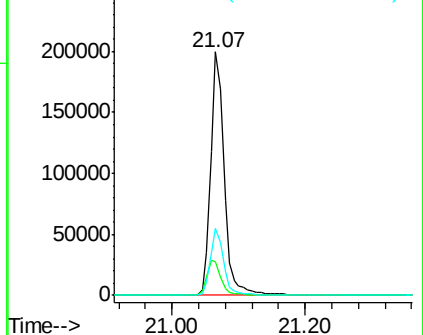
236 27.6 21.9 32.9



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



#26

Pyrene

Concen: 3.55 ng

RT: 19.32 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

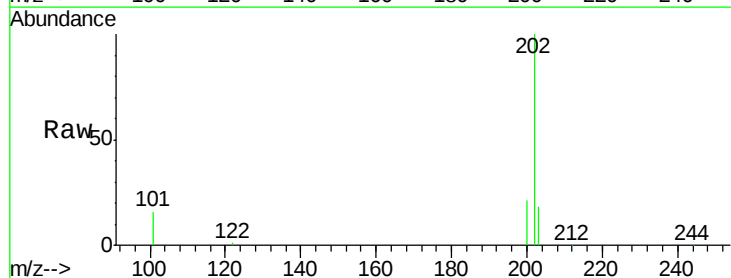
Tgt Ion:202 Resp: 203878

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

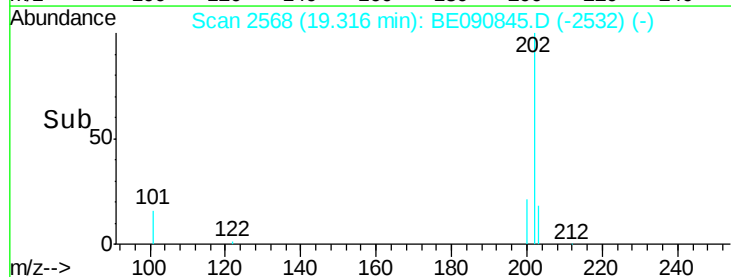
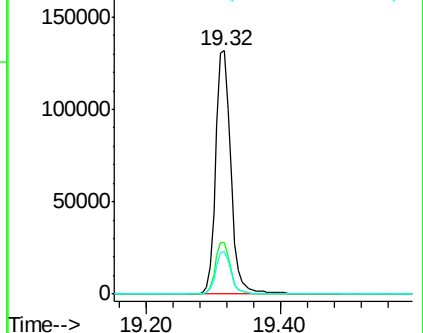
203 17.9 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

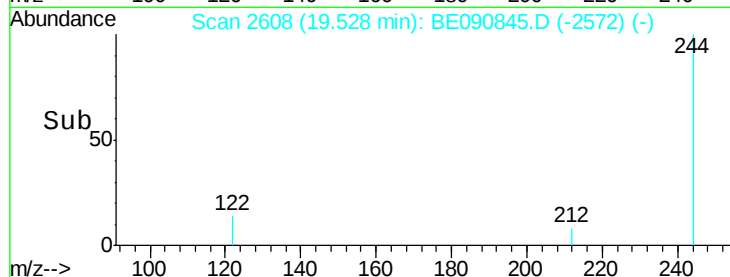
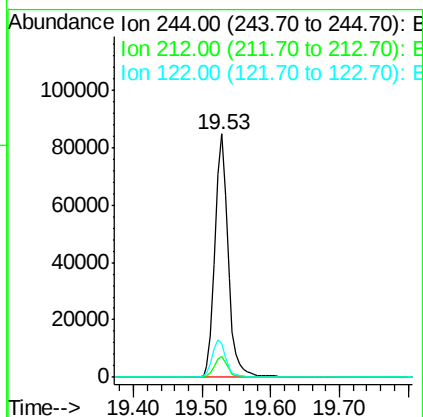
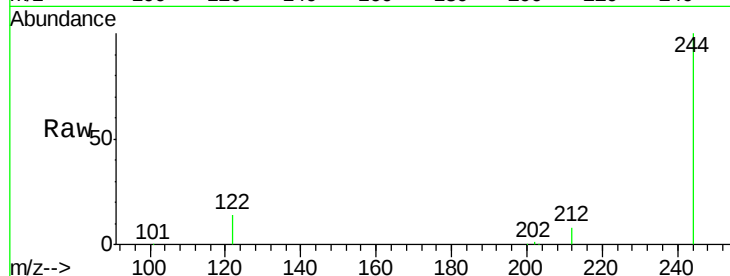




#27
 Terphenyl-d14
 Concen: 3.65 ng
 RT: 19.53 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BE090845.D
 Acq: 16 Sep 2015 15:48

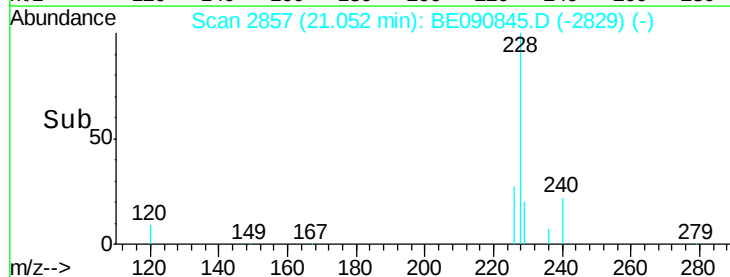
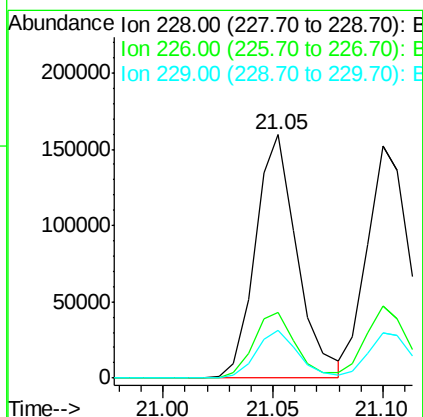
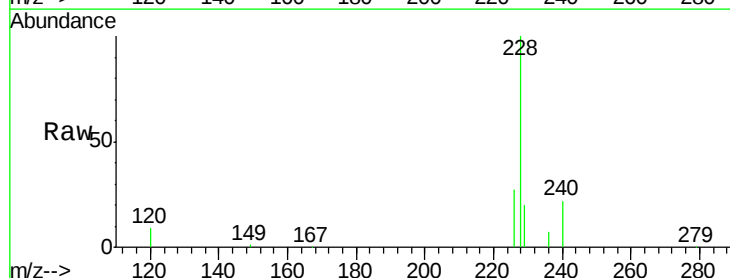
Instrument :
 BNA_E
 ClientSampleId :
 PB85578BS

Tot Ion:244 Resp: 112308
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.9 10.3
 122 13.8 12.9 19.3



#28
 Benzo(a)anthracene
 Concen: 3.47 ng
 RT: 21.05 min Scan# 2857
 Delta R.T. -0.01 min
 Lab File: BE090845.D
 Acq: 16 Sep 2015 15:48

Tgt Ion:228 Resp: 211275
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.6 32.4
 229 19.9 15.9 23.9





#29

Chrysene

Concen: 3.38 ng

RT: 21.10 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

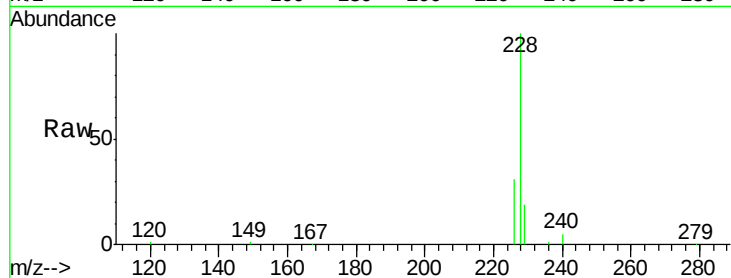
Tot Ion:228 Resp: 218325

Ion Ratio Lower Upper

228 100

226 30.9 24.2 36.4

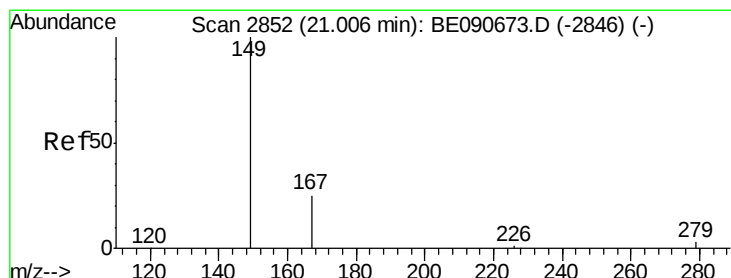
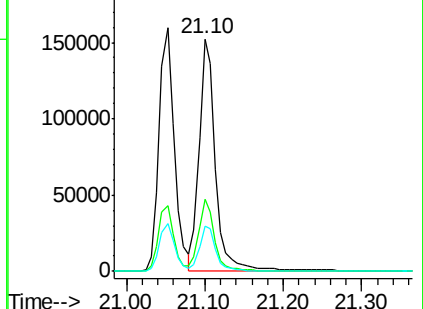
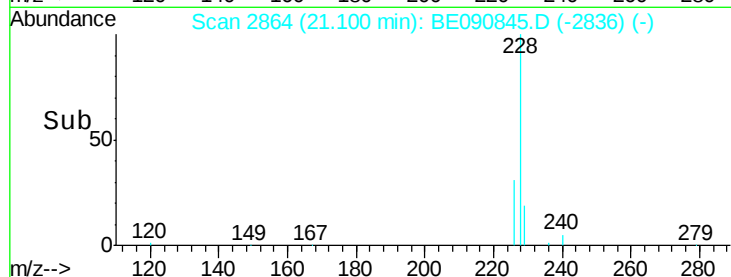
229 19.3 15.3 22.9



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 2.92 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

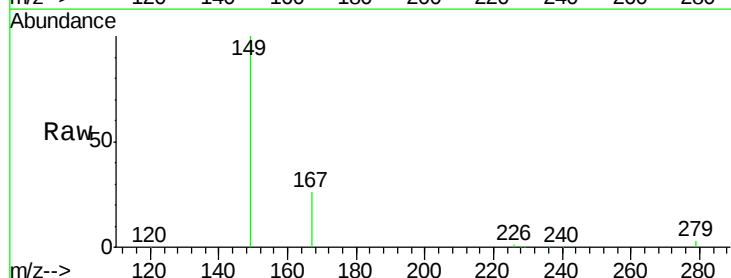
Tgt Ion:149 Resp: 54349

Ion Ratio Lower Upper

149 100

167 25.6 20.1 30.1

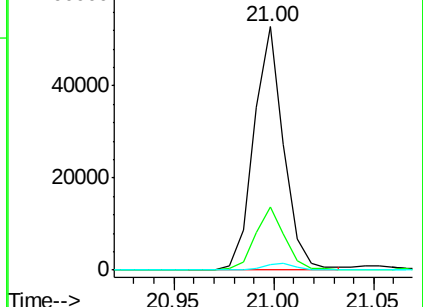
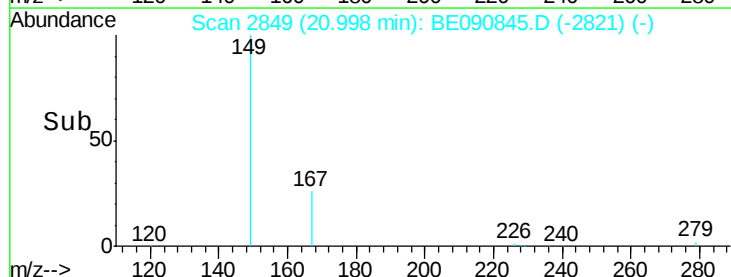
279 3.0 2.3 3.5



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

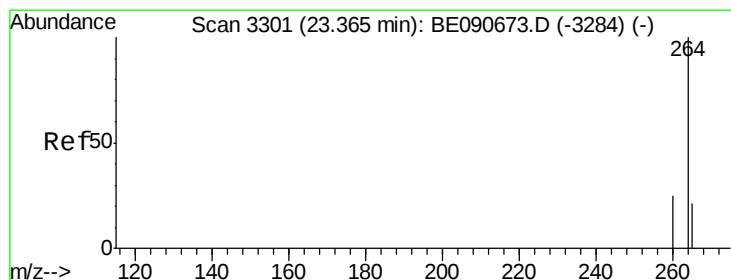
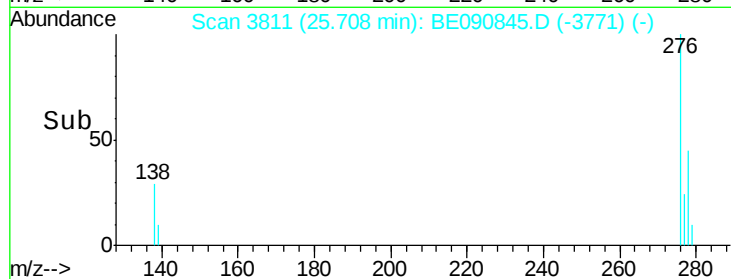
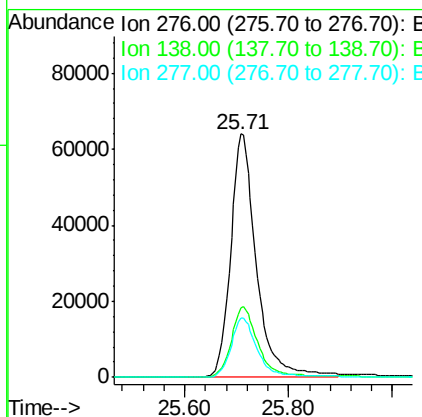
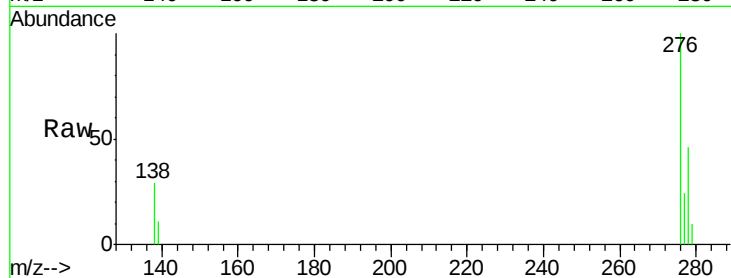




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 3.33 ng
 RT: 25.71 min Scan# 3811
 Delta R.T. -0.02 min
 Lab File: BE090845.D
 Acq: 16 Sep 2015 15:48

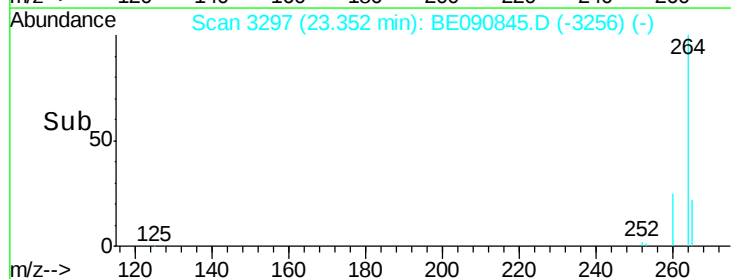
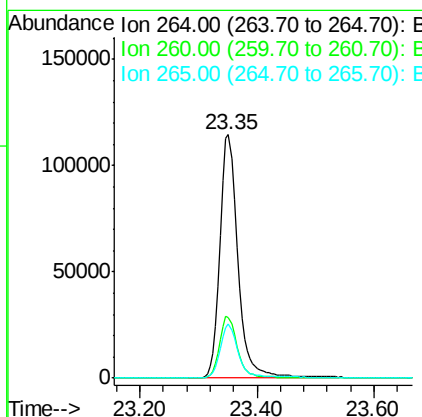
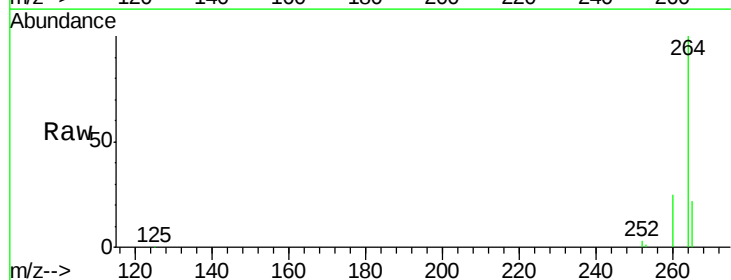
Instrument :
 BNA_E
 ClientSampleId :
 PB85578BS

Tot Ion:276 Resp: 218888
 Ion Ratio Lower Upper
 276 100
 138 30.3 23.3 34.9
 277 25.1 19.8 29.6



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3297
 Delta R.T. -0.01 min
 Lab File: BE090845.D
 Acq: 16 Sep 2015 15:48

Tgt Ion:264 Resp: 242297
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.7 29.5
 265 22.1 17.5 26.3





#33

Benzo(b)fluoranthene

Concen: 3.59 ng

RT: 22.66 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

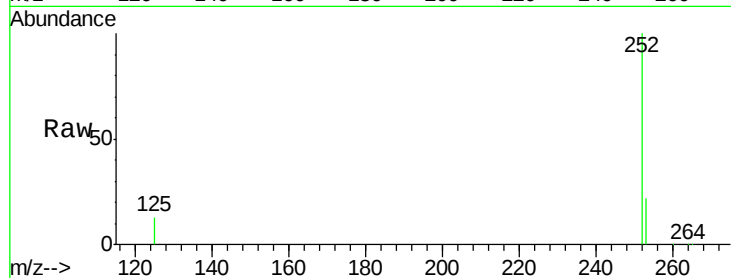
Tot Ion:252 Resp: 188610

Ion Ratio Lower Upper

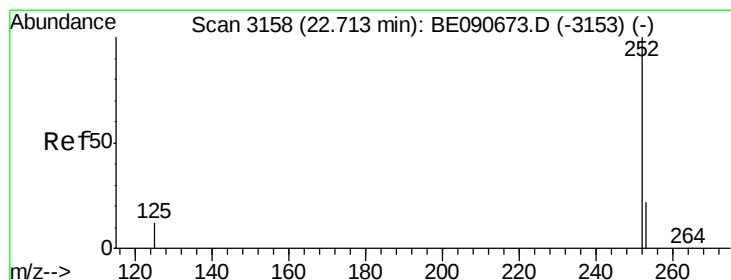
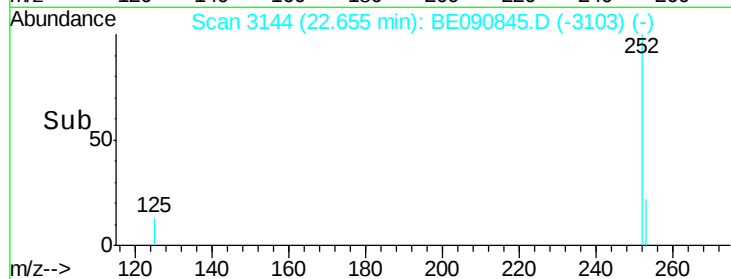
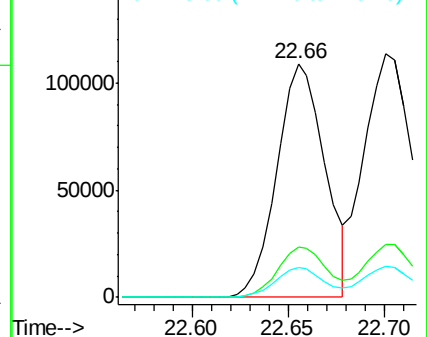
252 100

253 21.7 17.9 26.9

125 12.8 10.6 16.0



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



#34

Benzo(k)fluoranthene

Concen: 3.57 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

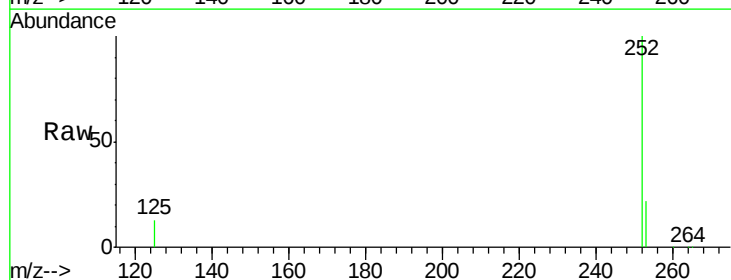
Tgt Ion:252 Resp: 218205

Ion Ratio Lower Upper

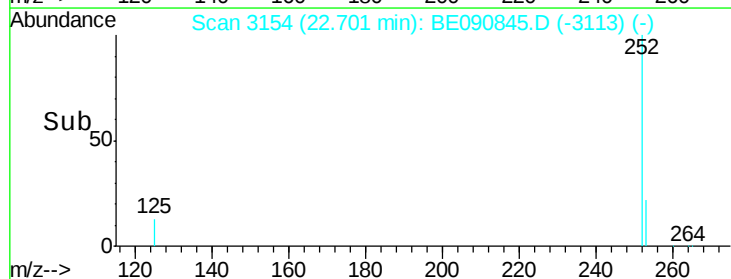
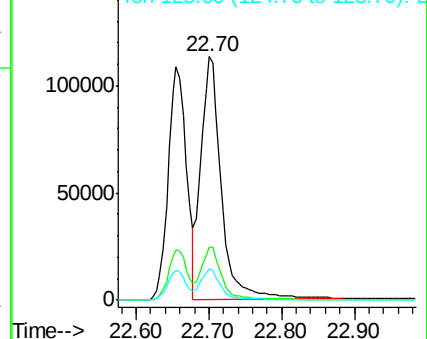
252 100

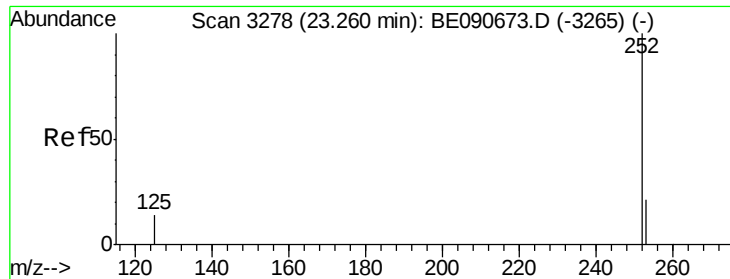
253 21.8 17.9 26.9

125 12.9 10.1 15.1



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





#35

Benzo(a)pyrene

Concen: 3.79 ng

RT: 23.25 min Scan# 3274

Delta R.T. -0.01 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

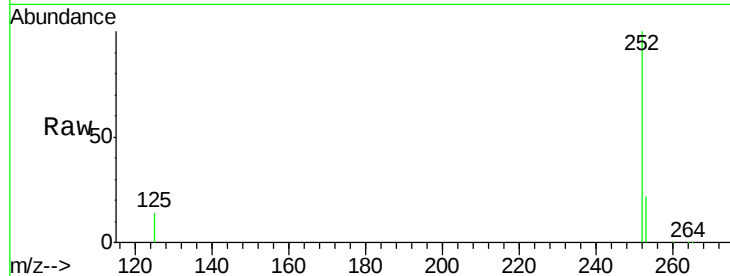
Tot Ion:252 Resp: 178266

Ion Ratio Lower Upper

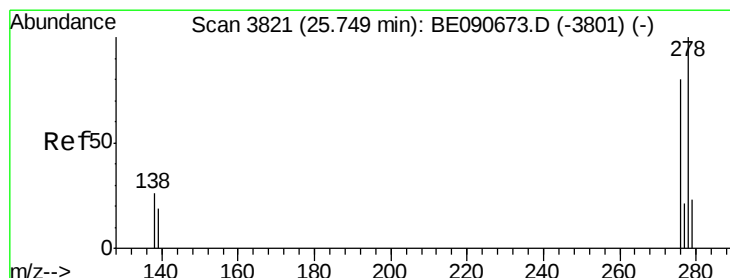
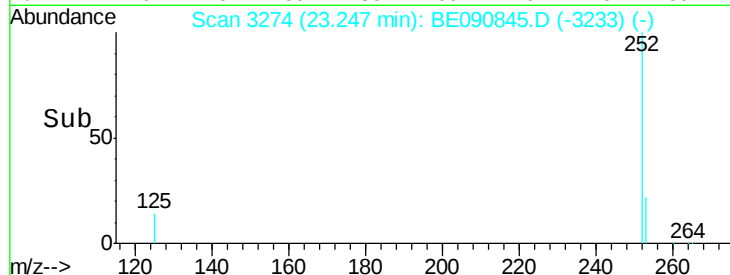
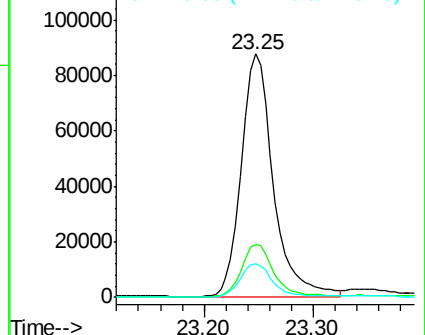
252 100

253 21.8 17.5 26.3

125 14.1 11.6 17.4



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



#36

Dibenzo(a,h)anthracene

Concen: 3.19 ng

RT: 25.73 min Scan# 3815

Delta R.T. -0.02 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

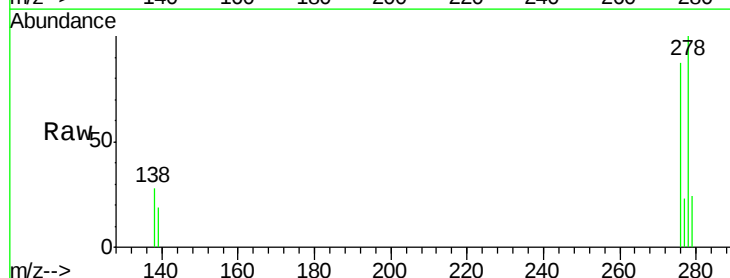
Tgt Ion:278 Resp: 179878

Ion Ratio Lower Upper

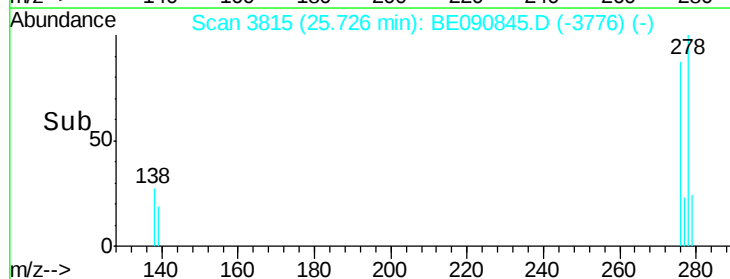
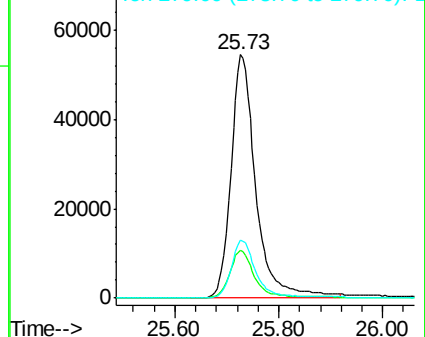
278 100

139 19.5 15.4 23.0

279 23.7 18.8 28.2



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





#37

Benzo(a,h,i)perylene

Concen: 3.45 ng

RT: 26.43 min Scan# 3970

Delta R.T. -0.02 min

Lab File: BE090845.D

Acq: 16 Sep 2015 15:48

Instrument :

BNA_E

ClientSampleId :

PB85578BS

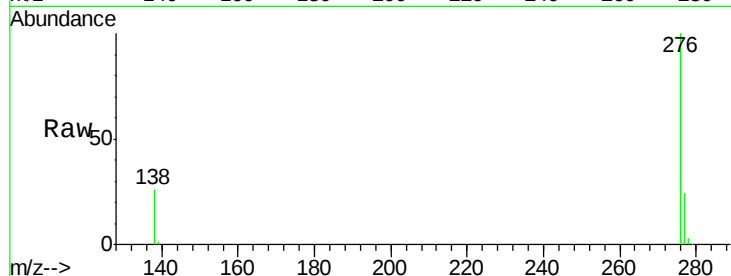
Tot Ion: 276 Resp: 186600

Ion Ratio Lower Upper

276 100

277 23.8 18.5 27.7

138 25.8 20.1 30.1



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

