

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082615\
 Data File : BE090638.D
 Acq On : 26 Aug 2015 15:39
 Operator : UM/IZ
 Sample : PB85188BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85188BSD

Quant Time: Aug 26 23:49:28 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 26 23:44:39 2015
 Response via : Initial Calibration

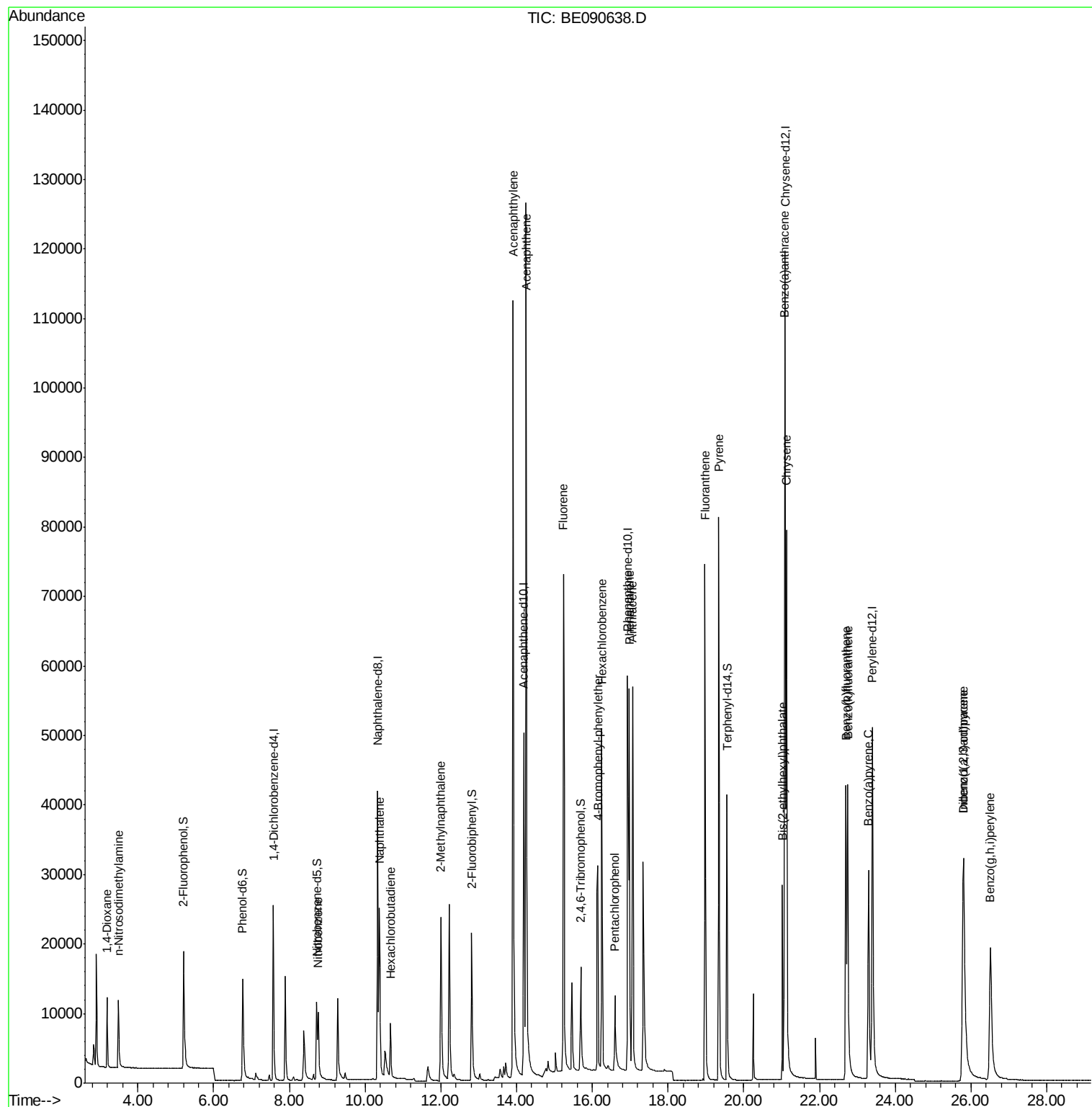
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	13107	5.00	ng	0.00
6) Naphthalene-d8	10.33	136	60874	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	35662	5.00	ng	0.00
18) Phenanthrene-d10	16.93	188	88809	5.00	ng	-0.02
25) Chrysene-d12	21.09	240	101925	5.00	ng	0.00
32) Perylene-d12	23.40	264	82635	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	17022	4.49	ng	0.00
5) Phenol-d6	6.77	99	24324	4.37	ng	0.00
7) Nitrobenzene-d5	8.72	82	13446	2.77	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	7857	5.72	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	29265	2.75	ng	0.00
27) Terphenyl-d14	19.55	244	50430	2.71	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.19	88	5343	3.58	ng	98
3) n-Nitrosodimethylamine	3.48	42	6395	2.83	ng	# 82
8) Nitrobenzene	8.76	77	13573	2.70	ng	97
9) Naphthalene	10.38	128	37652	2.72	ng	98
10) Hexachlorobutadiene	10.67	225	5854	2.88	ng	100
11) 2-Methylnaphthalene	12.00	142	25060	2.78	ng	99
15) Acenaphthylene	13.91	152	177707	2.73	ng	100
16) Acenaphthene	14.25	154	28615	2.92	ng	# 78
17) Fluorene	15.24	166	37618	3.13	ng	99
19) 4-Bromophenyl-phenylether	16.14	248	10097	2.78	ng	81
20) Hexachlorobenzene	16.25	284	48926	3.04	ng	96
21) Pentachlorophenol	16.60	266	7352	3.89	ng	91
22) Phenanthrene	16.98	178	67479	2.90	ng	99
23) Anthracene	17.07	178	65197	3.04	ng	100
24) Fluoranthene	18.98	202	74675	3.01	ng	99
26) Pyrene	19.34	202	81735	2.80	ng	99
28) Benzo(a)anthracene	21.07	228	71347	2.66	ng	99
29) Chrysene	21.13	228	79326	2.89	ng	99
30) Bis(2-ethylhexyl)phthalate	21.02	149	24737	1.64	ng	100
31) Indeno(1,2,3-cd)pyrene	25.79	276	61771	2.39	ng	# 92
33) Benzo(b)fluoranthene	22.70	252	59369	3.03	ng	99
34) Benzo(k)fluoranthene	22.74	252	70773	3.19	ng	98
35) Benzo(a)pyrene	23.29	252	58346	3.19	ng	98
36) Dibenzo(a,h)anthracene	25.80	278	48553	2.75	ng	97
37) Benzo(g,h,i)perylene	26.51	276	55299	2.86	ng	95

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082615\
Data File : BE090638.D
Acq On : 26 Aug 2015 15:39
Operator : UM/IZ
Sample : PB85188BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85188BSD

Quant Time: Aug 26 23:49:28 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 26 23:44:39 2015
Response via : Initial Calibration



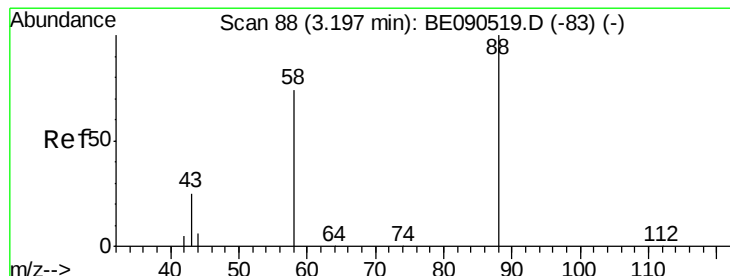
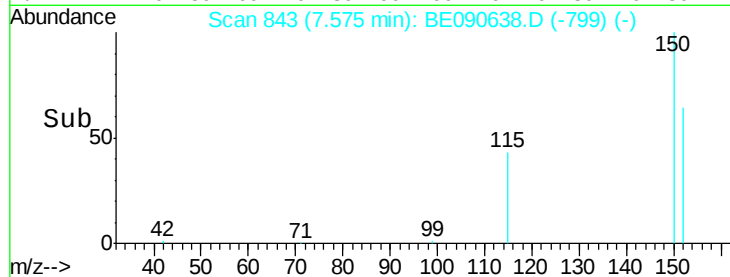
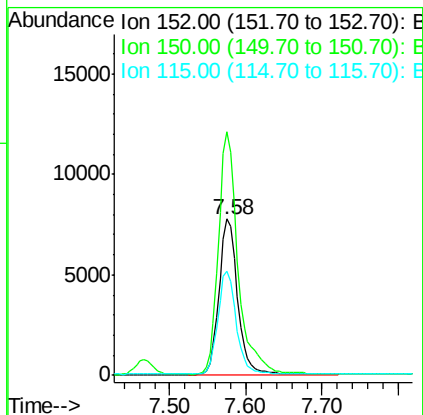
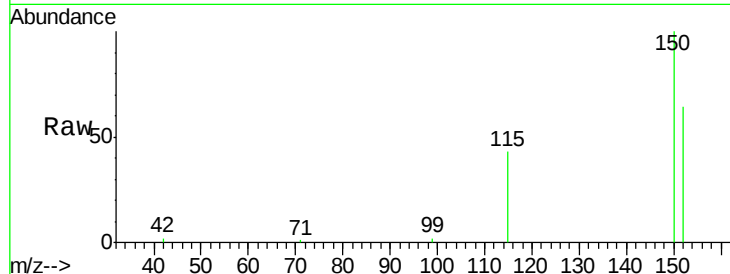


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 843
Delta R.T. 0.00 min
Lab File: BE090638.D
Acq: 26 Aug 2015 15:39

Instrument :
BNA_E
ClientSampleId :
PB85188BSD

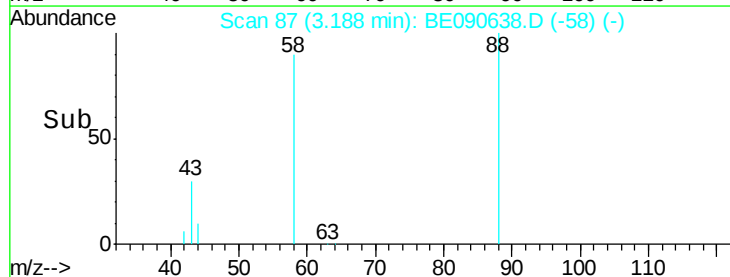
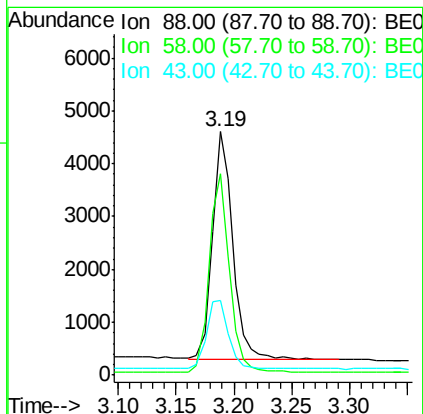
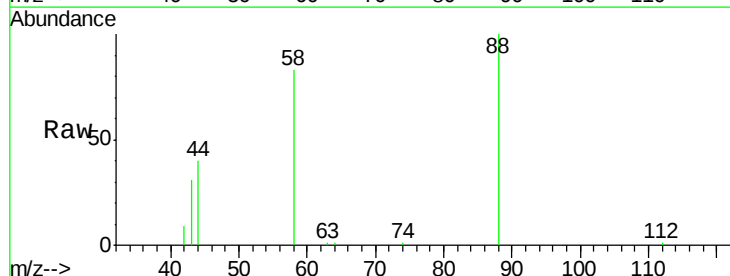
Tot Ion:152 Resp: 13107
Ion Ratio Lower Upper
152 100
150 156.1 123.0 184.4
115 67.1 48.9 73.3



#2

1,4-Dioxane
Concen: 3.58 ng
RT: 3.19 min Scan# 87
Delta R.T. -0.00 min
Lab File: BE090638.D
Acq: 26 Aug 2015 15:39

Tgt Ion: 88 Resp: 5343
Ion Ratio Lower Upper
88 100
58 86.8 70.0 105.0
43 32.2 28.4 42.6





#3

n-Nitrosodimethylamine

Concen: 2.83 ng

RT: 3.48 min Scan# 130

Delta R.T. -0.01 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

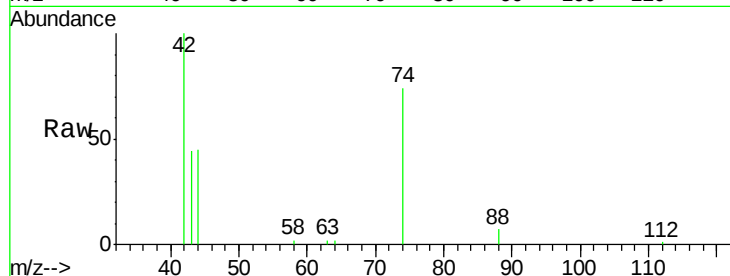
Tot Ion: 42 Resp: 6395

Ion Ratio Lower Upper

42 100

74 112.6 75.2 112.8

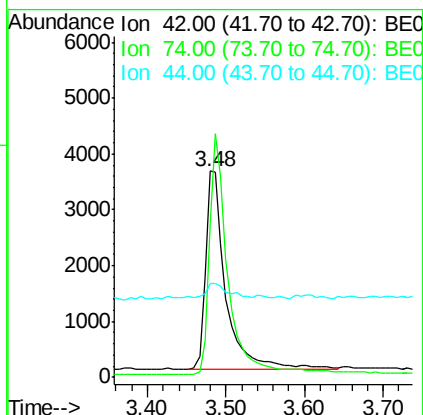
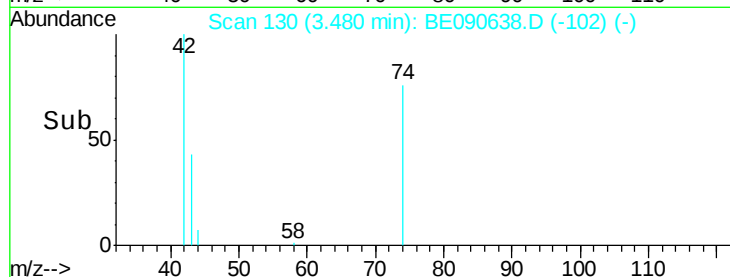
44 7.8 8.7 13.1#



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: 4.49 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

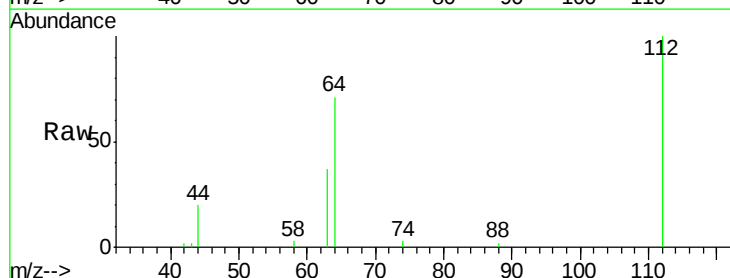
Tgt Ion: 112 Resp: 17022

Ion Ratio Lower Upper

112 100

64 70.9 37.1 55.7#

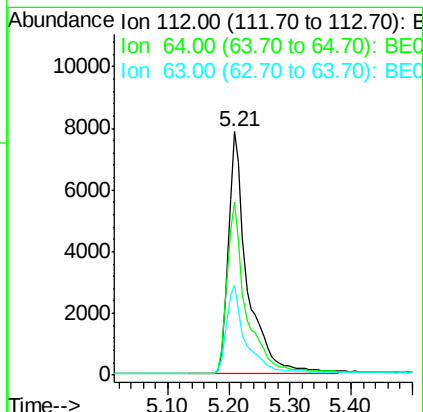
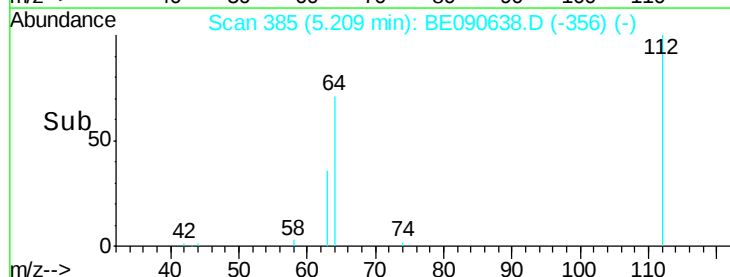
63 36.5 19.5 29.3#

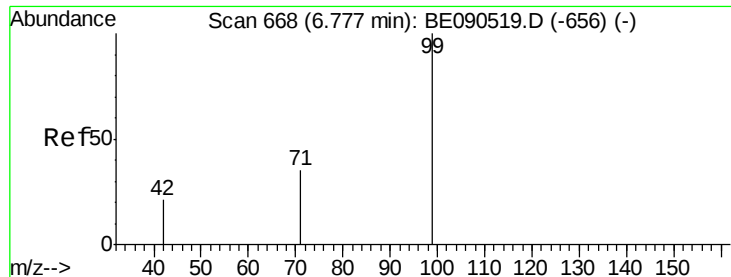


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 4.37 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

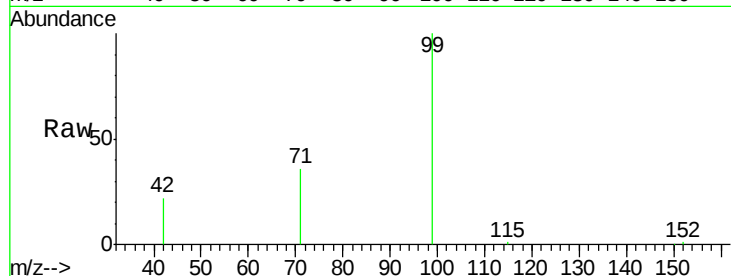
Tot Ion: 99 Resp: 24324

Ion Ratio Lower Upper

99 100

42 21.7 18.2 27.4

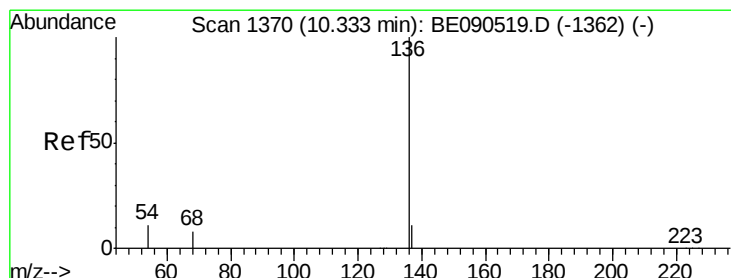
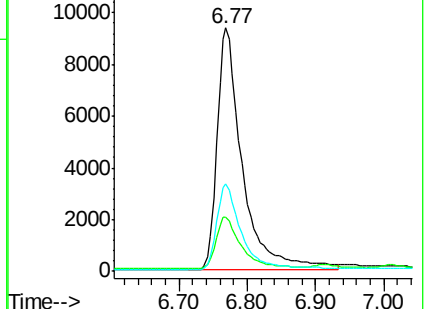
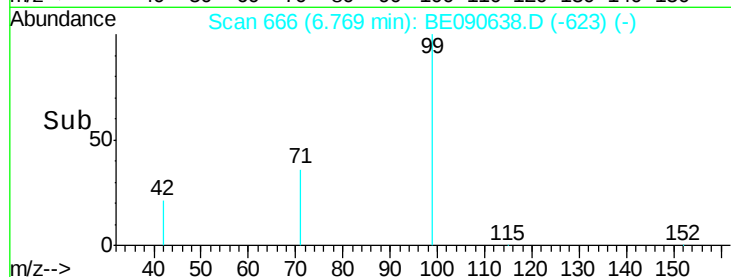
71 35.3 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BE090519.D (-656) (-)

Ion 42.00 (41.70 to 42.70): BE090519.D (-656) (-)

Ion 71.00 (70.70 to 71.70): BE090519.D (-656) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.33 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Tgt Ion: 136 Resp: 60874

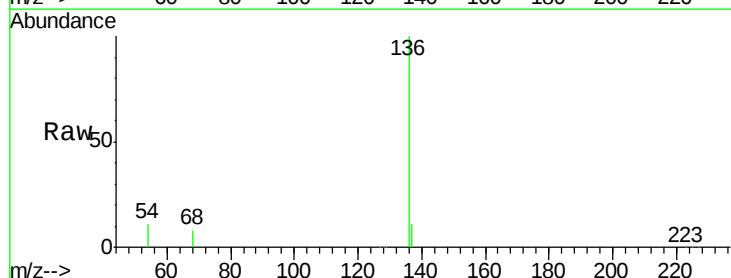
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 10.9 9.4 14.0

68 7.8 6.5 9.7

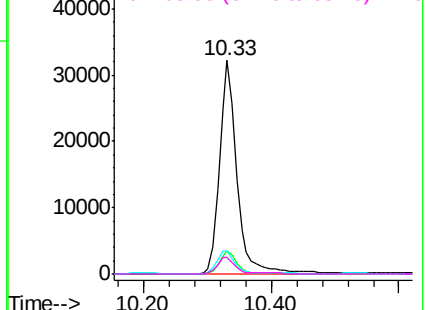
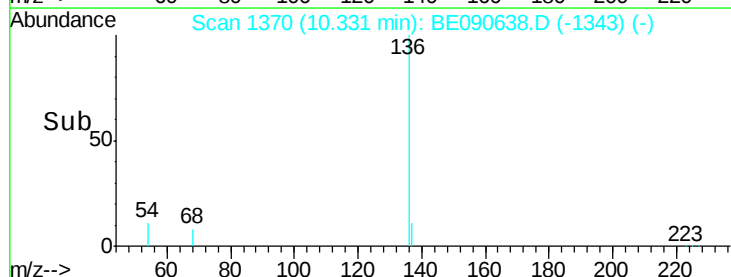


Abundance Ion 136.00 (135.70 to 136.70): BE090519.D (-1362) (-)

Ion 137.00 (136.70 to 137.70): BE090519.D (-1362) (-)

Ion 54.00 (53.70 to 54.70): BE090519.D (-1362) (-)

Ion 68.00 (67.70 to 68.70): BE090519.D (-1362) (-)





#7

Nitrobenzene-d5

Concen: 2.77 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

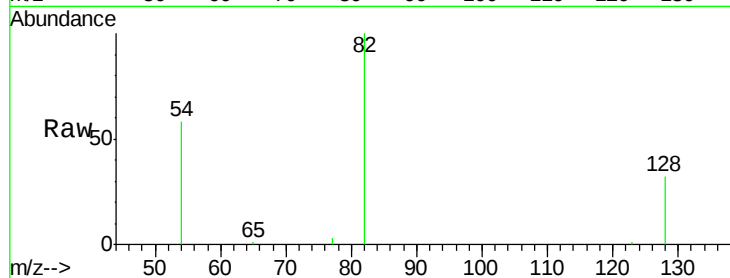
Tot Ion: 82 Resp: 13446

Ion Ratio Lower Upper

82 100

128 31.8 25.0 37.6

54 57.6 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

8.72

6000

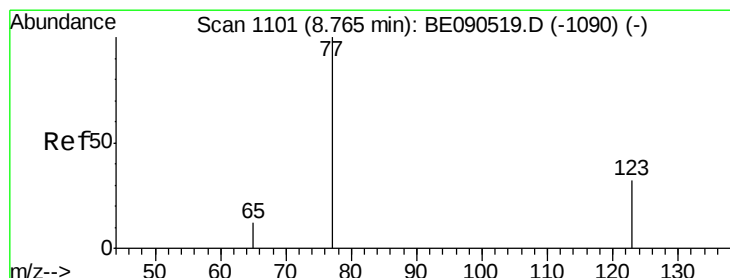
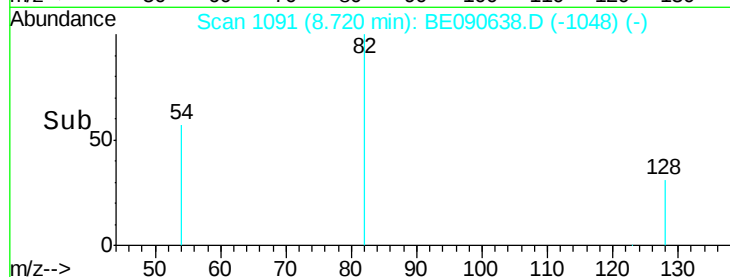
4000

2000

0

8.60 8.70 8.80 8.90

Time-->



#8

Nitrobenzene

Concen: 2.70 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

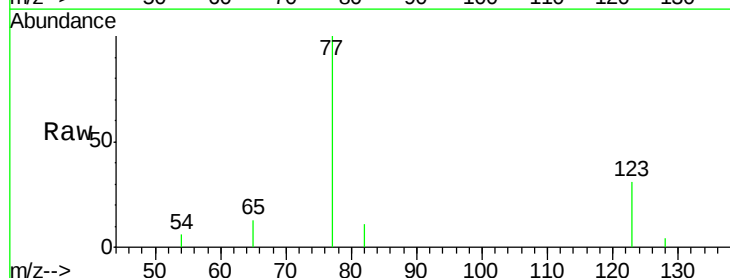
Tgt Ion: 77 Resp: 13573

Ion Ratio Lower Upper

77 100

123 33.7 25.1 37.7

65 12.2 9.3 13.9



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

8.76

8000

6000

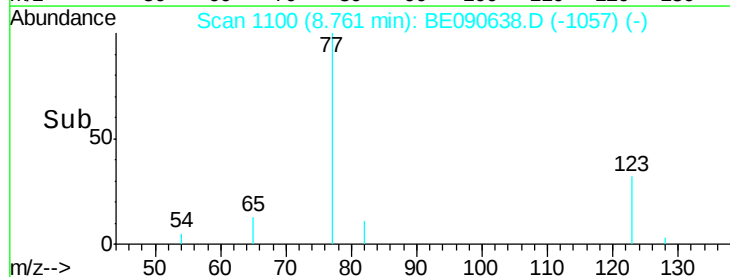
4000

2000

0

8.60 8.70 8.80 8.90 9.00

Time-->





#9

Naphthalene

Concen: 2.72 ng

RT: 10.38 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

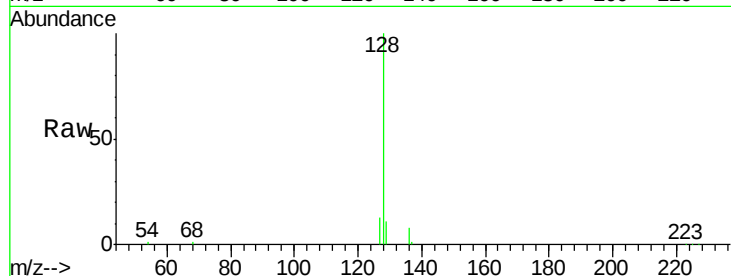
Tot Ion:128 Resp: 37652

Ion Ratio Lower Upper

128 100

129 11.1 9.8 14.6

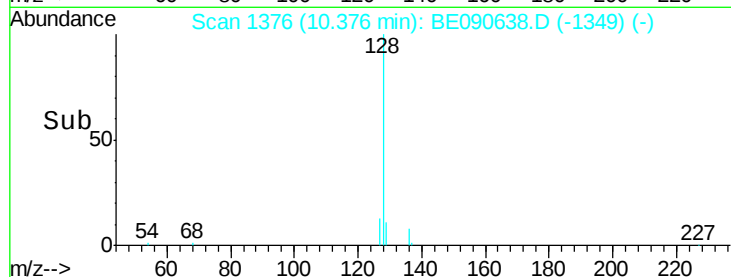
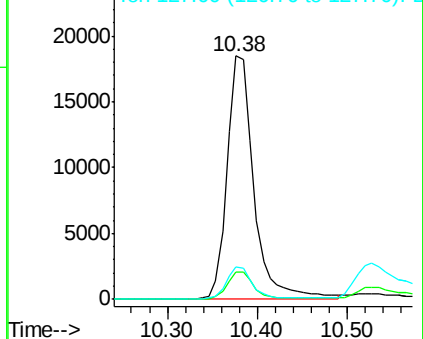
127 13.2 10.6 16.0



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: 10.67 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

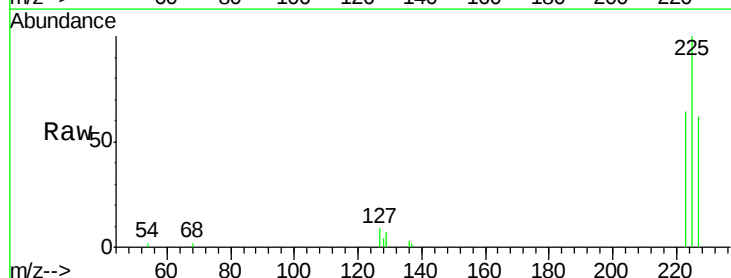
Tgt Ion:225 Resp: 5854

Ion Ratio Lower Upper

225 100

223 63.1 50.6 75.8

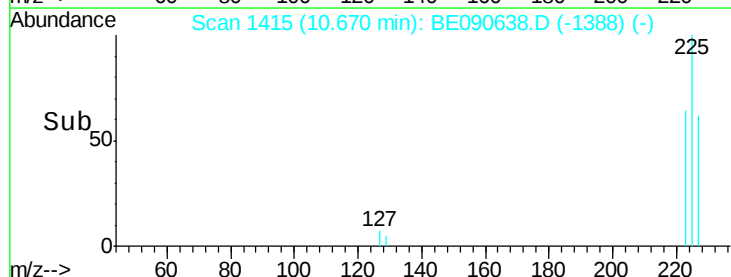
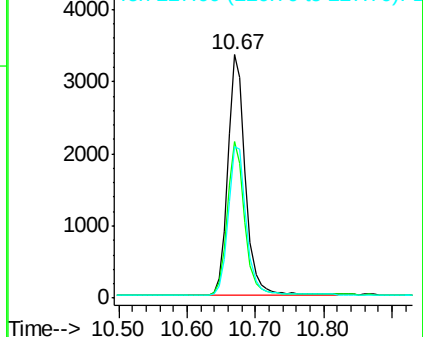
227 62.8 50.7 76.1



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: 2.78 ng

RT: 12.00 min Scan# 1648

Delta R.T. -0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

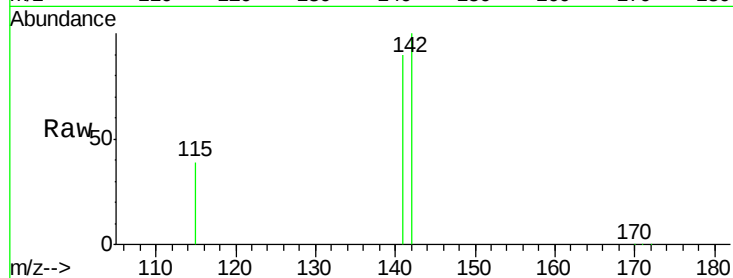
Tot Ion:142 Resp: 25060

Ion Ratio Lower Upper

142 100

141 90.2 72.6 109.0

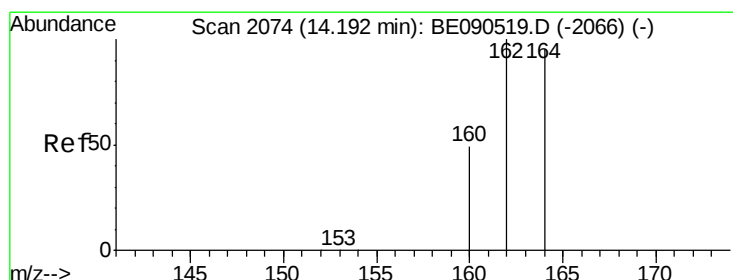
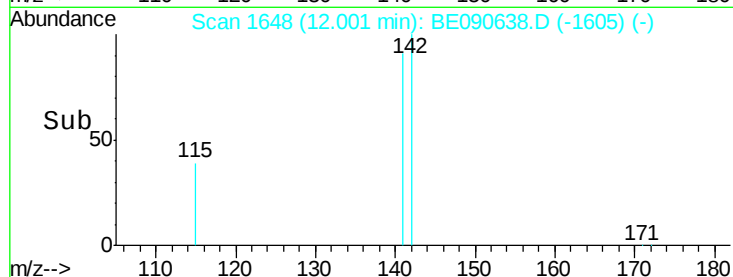
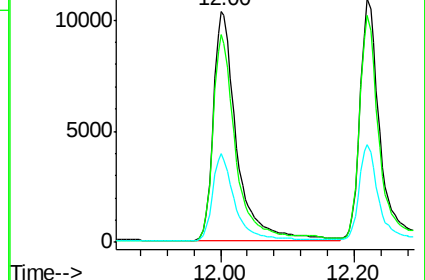
115 38.5 31.6 47.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

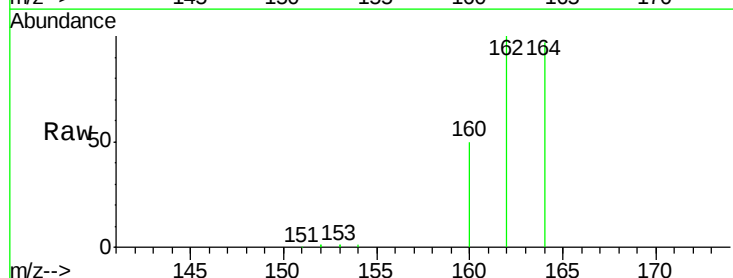
Tgt Ion:164 Resp: 35662

Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.8

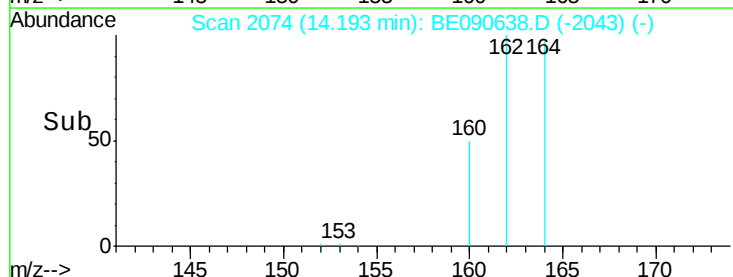
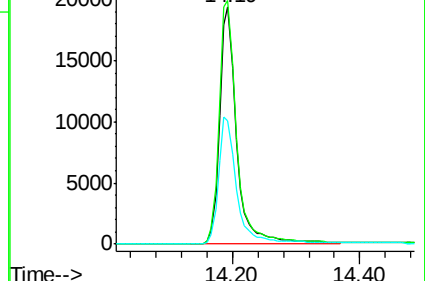
160 51.9 44.2 66.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

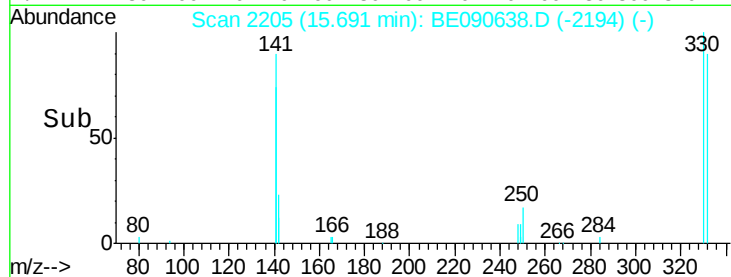
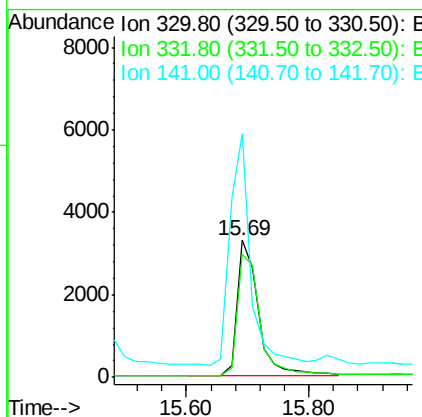
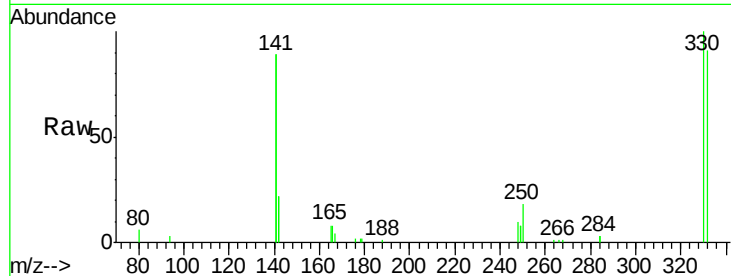




#13
 2,4,6-Tribromophenol
 Concen: 5.72 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090638.D
 Acq: 26 Aug 2015 15:39

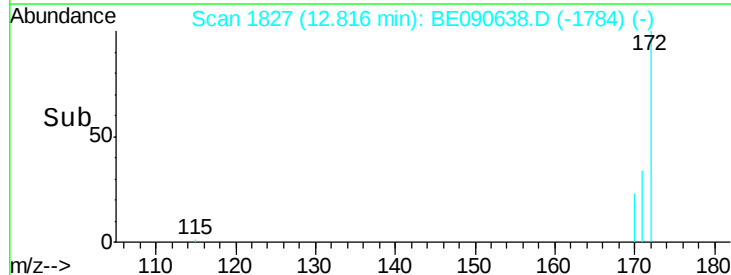
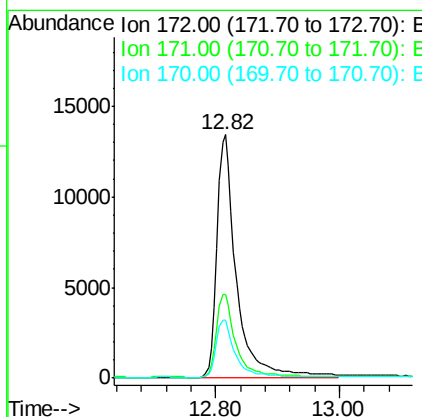
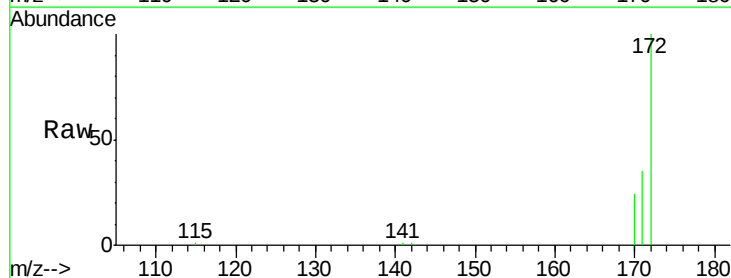
Instrument :
 BNA_E
 ClientSampleId :
 PB85188BSD

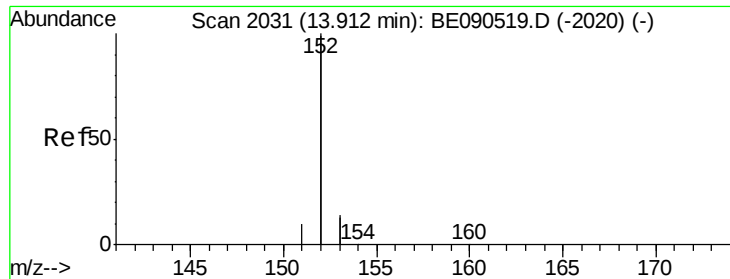
Tot Ion:330 Resp: 7857
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.8 113.6
 141 164.8 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 2.75 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BE090638.D
 Acq: 26 Aug 2015 15:39

Tgt Ion:172 Resp: 29265
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.5 42.7
 170 23.6 19.8 29.8





#15

Acenaphthylene

Concen: 2.73 ng

RT: 13.91 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

Tot Ion:152 Resp: 177707

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

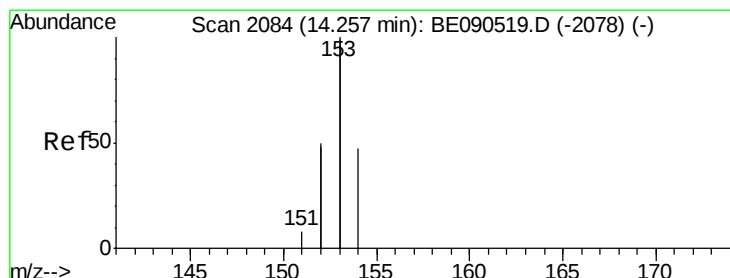
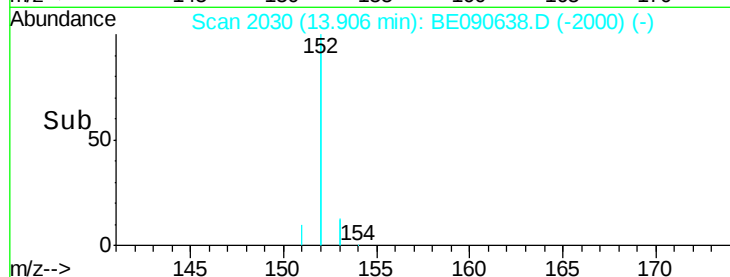
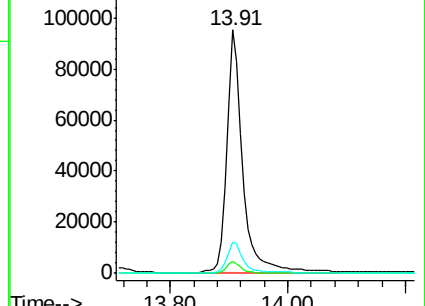
153 12.9 10.3 15.5



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



#16

Acenaphthene

Concen: 2.92 ng

RT: 14.25 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

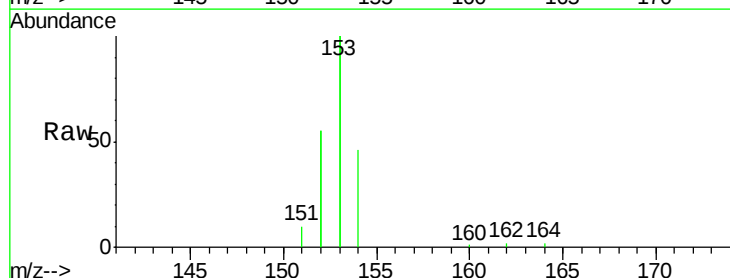
Tgt Ion:154 Resp: 28615

Ion Ratio Lower Upper

154 100

153 429.1 376.2 564.2

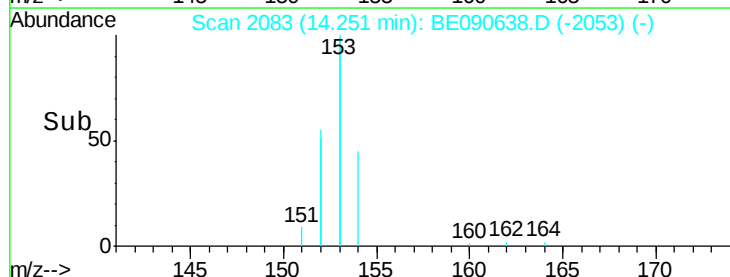
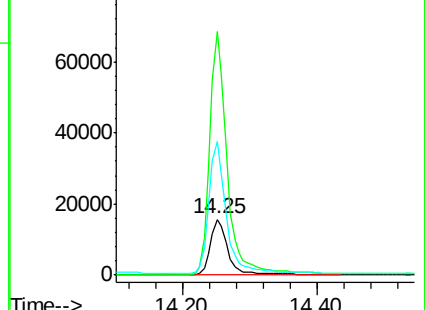
152 231.0 235.0 352.4#

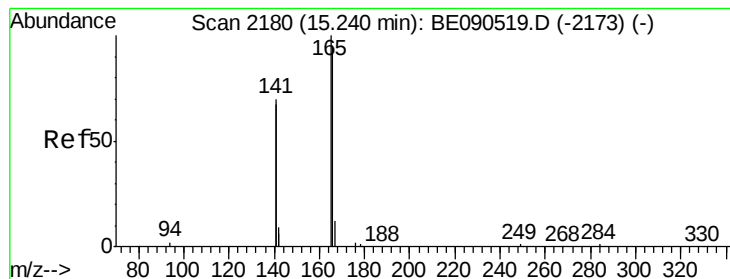


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 3.13 ng

RT: 15.24 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

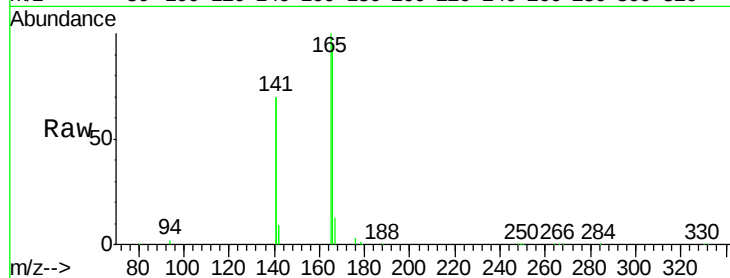
Tot Ion:166 Resp: 37618

Ion Ratio Lower Upper

166 100

165 100.7 81.5 122.3

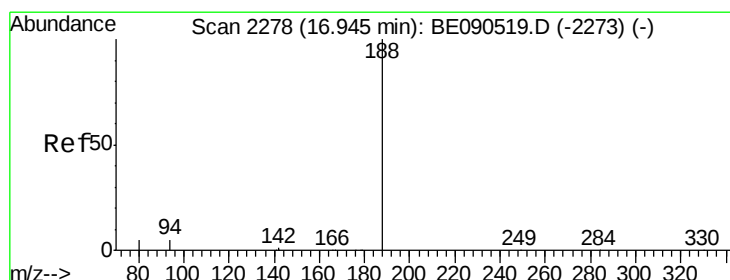
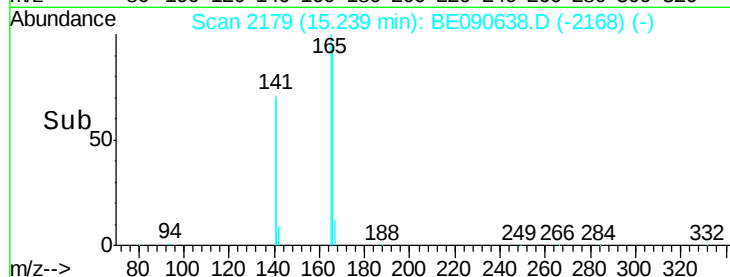
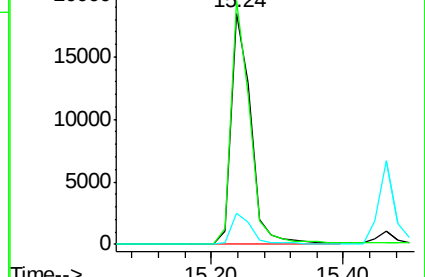
167 13.4 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.93 min Scan# 2276

Delta R.T. -0.02 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

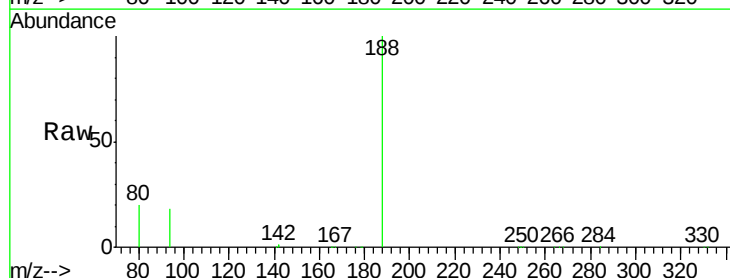
Tgt Ion:188 Resp: 88809

Ion Ratio Lower Upper

188 100

94 18.3 5.7 8.5#

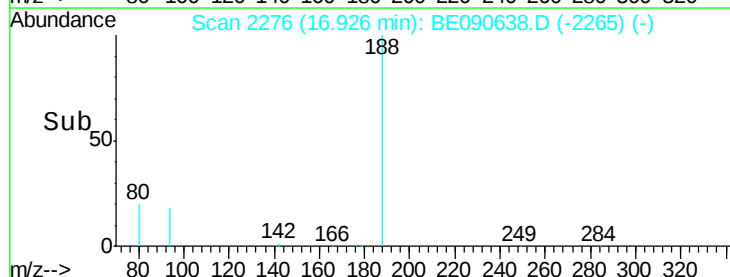
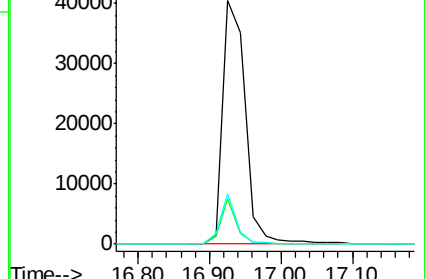
80 20.5 5.8 8.8#

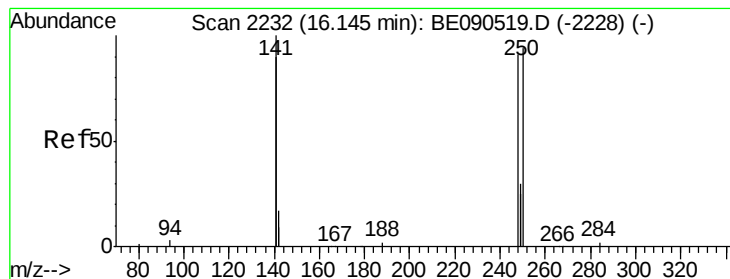


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#19

4-Bromophenyl-phenylether

Concen: 2.78 ng

RT: 16.14 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

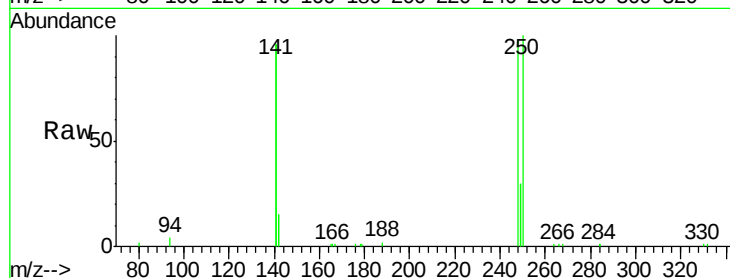
Tot Ion:248 Resp: 10097

Ion Ratio Lower Upper

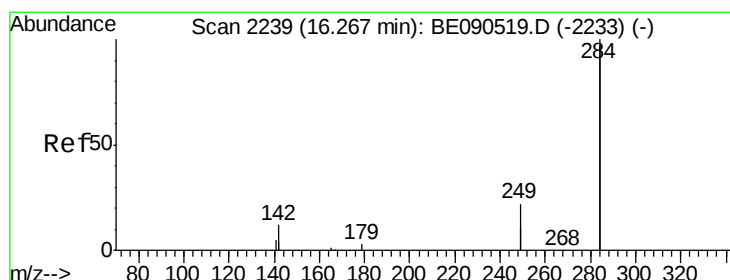
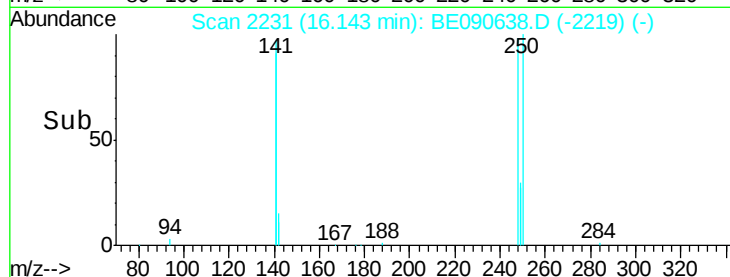
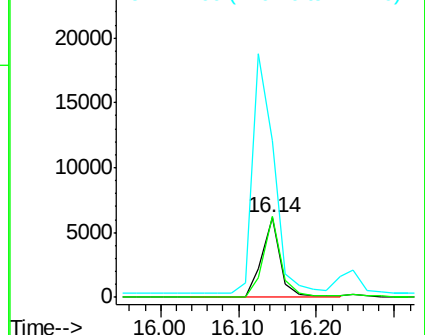
248 100

250 97.1 79.0 118.6

141 346.7 239.5 359.3



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



#20

Hexachlorobenzene

Concen: 3.04 ng

RT: 16.25 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

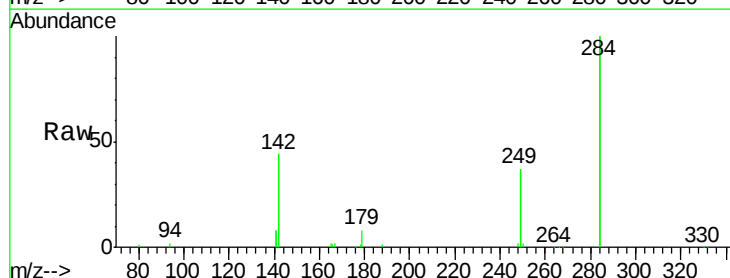
Tgt Ion:284 Resp: 48926

Ion Ratio Lower Upper

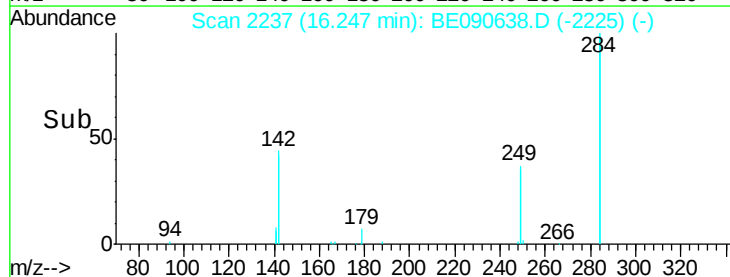
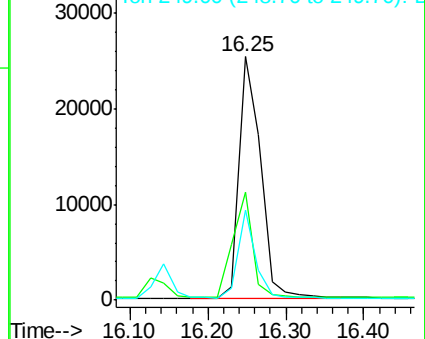
284 100

142 39.9 30.1 45.1

249 29.6 25.7 38.5



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

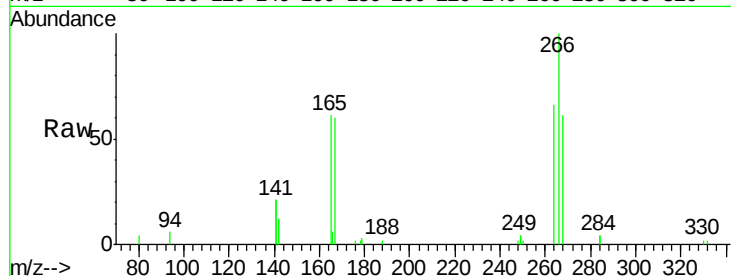




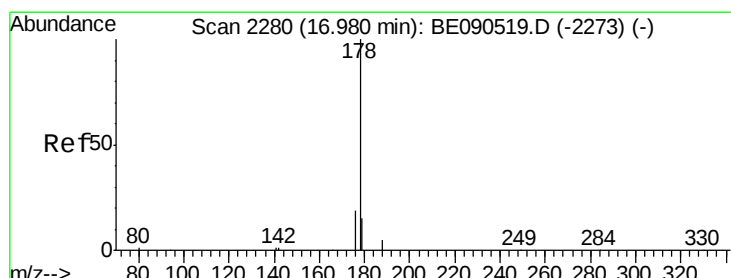
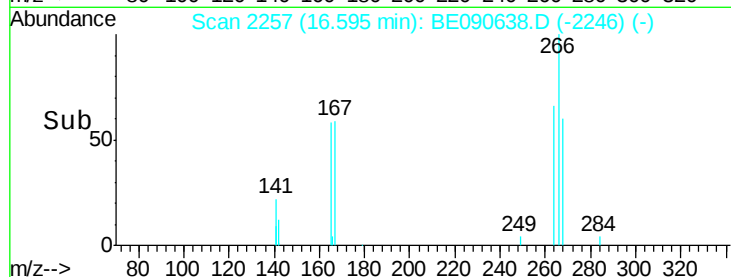
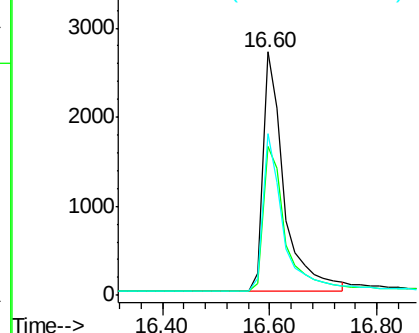
#21
 Pentachlorophenol
 Concen: 3.89 ng
 RT: 16.60 min Scan# 2257
 Delta R.T. -0.02 min
 Lab File: BE090638.D
 Acq: 26 Aug 2015 15:39

Instrument :
 BNA_E
 ClientSampleId :
 PB85188BSD

Tot Ion:266 Resp: 7352
 Ion Ratio Lower Upper
 266 100
 268 61.1 58.5 87.7
 264 66.4 56.0 84.0

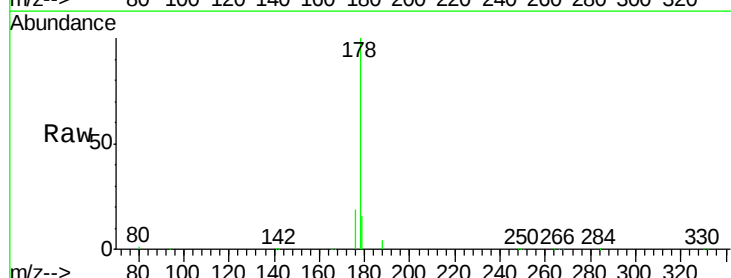


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

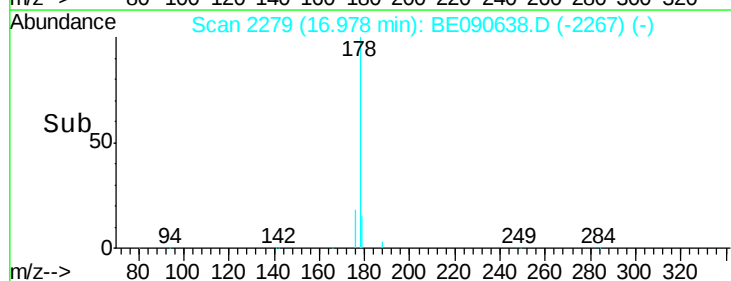
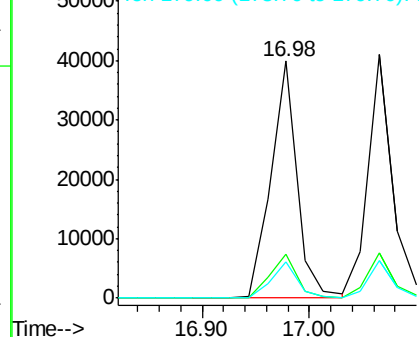


#22
 Phenanthrene
 Concen: 2.90 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BE090638.D
 Acq: 26 Aug 2015 15:39

Tgt Ion:178 Resp: 67479
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.2 12.5 18.7



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





#23

Anthracene

Concen: 3.04 ng

RT: 17.07 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

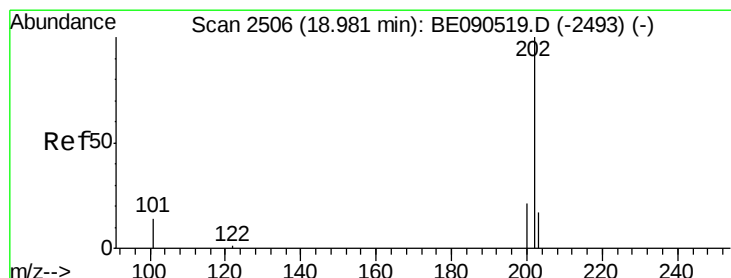
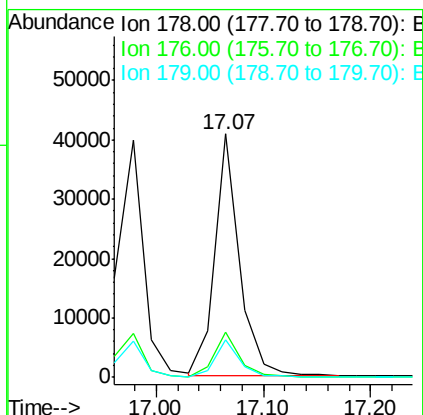
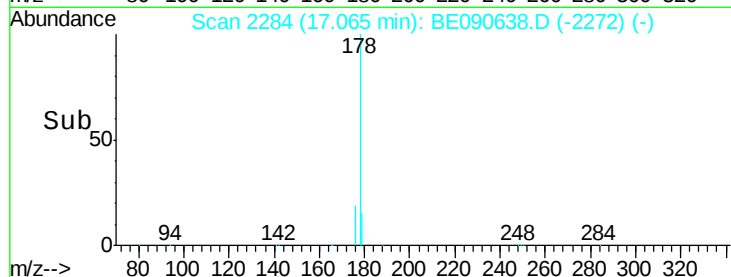
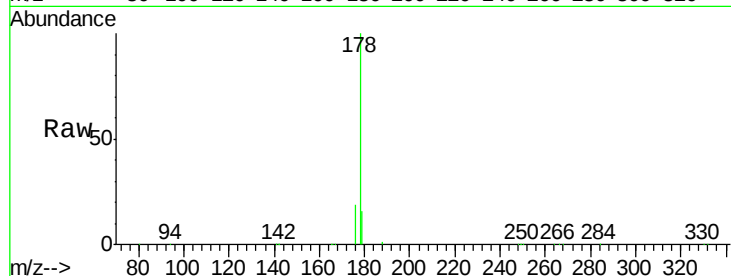
Tot Ion:178 Resp: 65197

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.3 12.2 18.4



#24

Fluoranthene

Concen: 3.01 ng

RT: 18.98 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

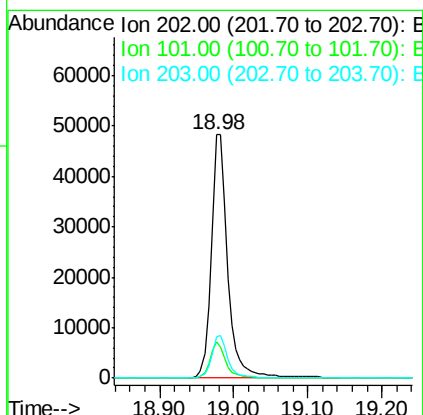
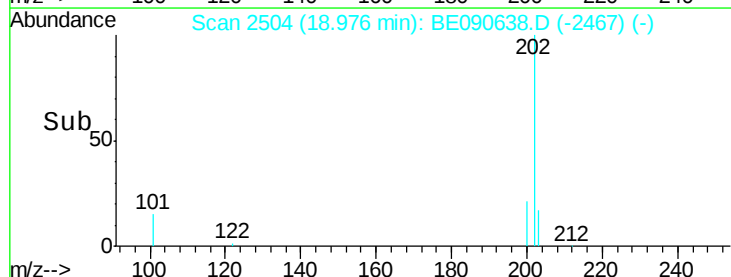
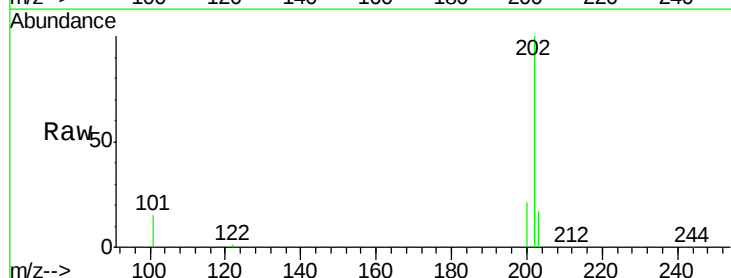
Tgt Ion:202 Resp: 74675

Ion Ratio Lower Upper

202 100

101 14.1 10.3 15.5

203 17.2 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

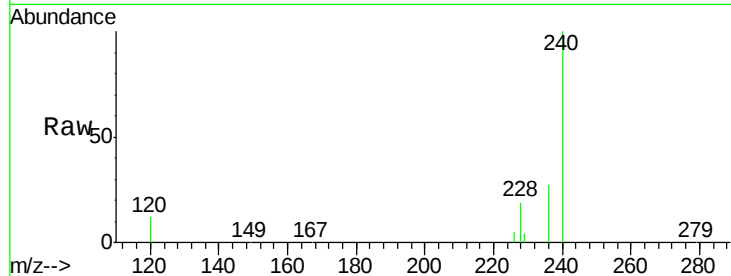
Tot Ion:240 Resp: 101925

Ion Ratio Lower Upper

240 100

120 11.7 8.3 12.5

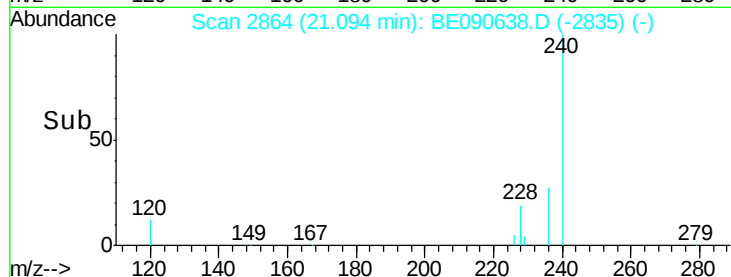
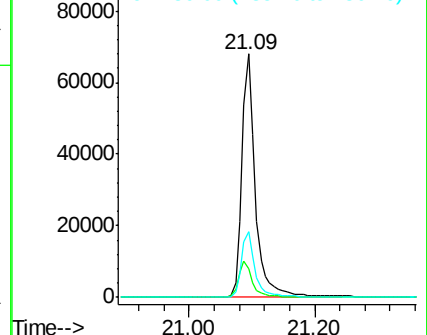
236 26.9 21.0 31.4



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: 2.80 ng

RT: 19.34 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

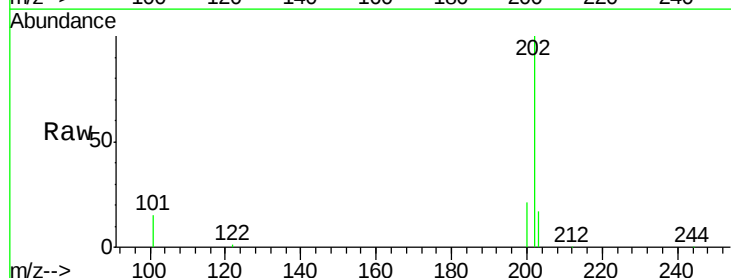
Tgt Ion:202 Resp: 81735

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

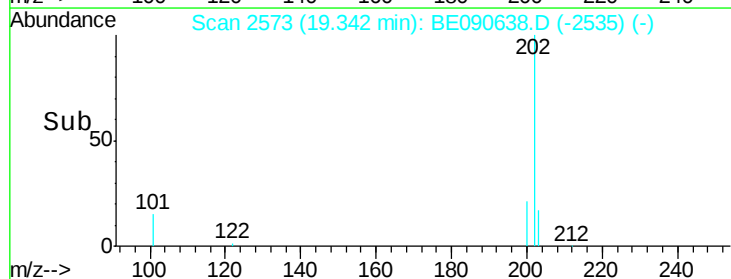
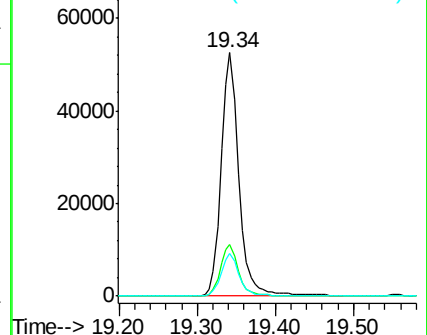
203 17.9 13.8 20.8

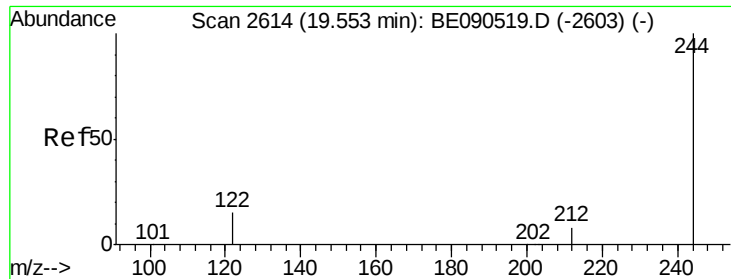


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

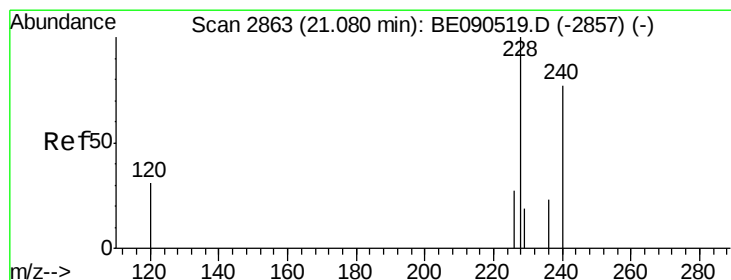
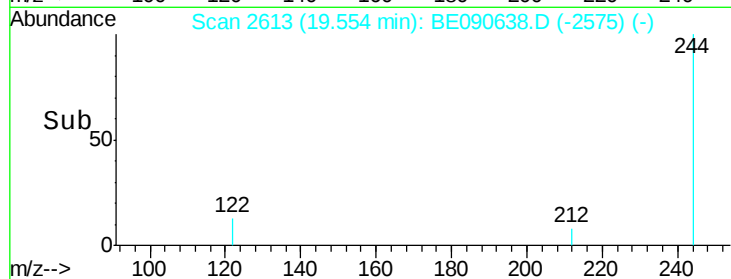
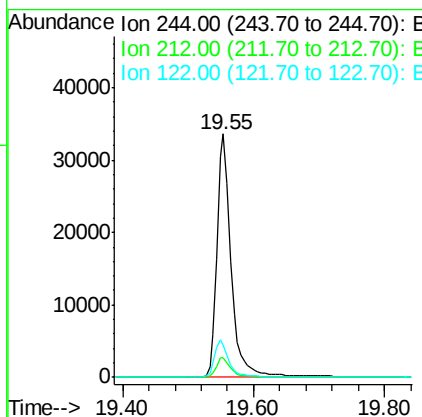
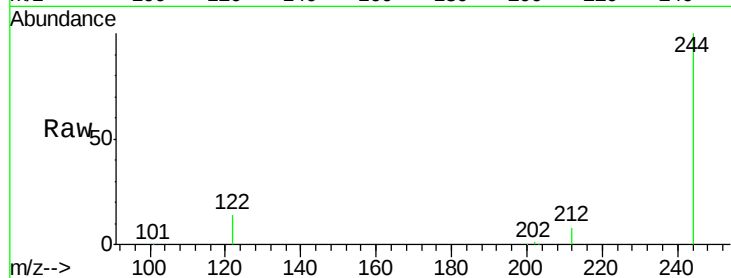




#27
 Terphenyl-d14
 Concen: 2.71 ng
 RT: 19.55 min Scan# 2613
 Delta R.T. 0.00 min
 Lab File: BE090638.D
 Acq: 26 Aug 2015 15:39

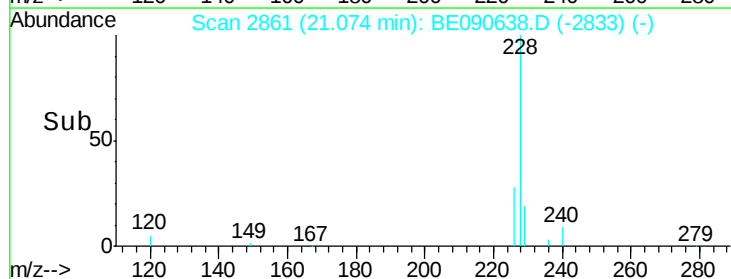
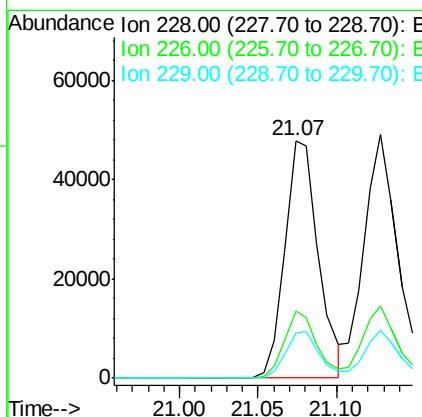
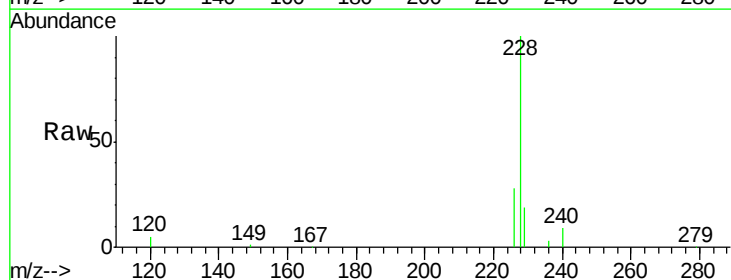
Instrument :
 BNA_E
 ClientSampleId :
 PB85188BSD

Tot Ion:244 Resp: 50430
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 13.6 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 2.66 ng
 RT: 21.07 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BE090638.D
 Acq: 26 Aug 2015 15:39

Tgt Ion:228 Resp: 71347
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.9 32.9
 229 19.0 15.4 23.0





#29

Chrysene

Concen: 2.89 ng

RT: 21.13 min Scan# 2869

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

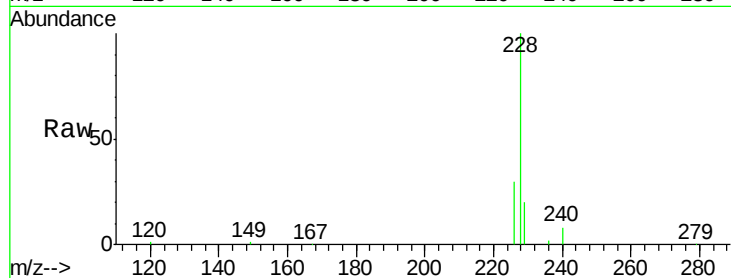
Tot Ion:228 Resp: 79326

Ion Ratio Lower Upper

228 100

226 29.5 23.1 34.7

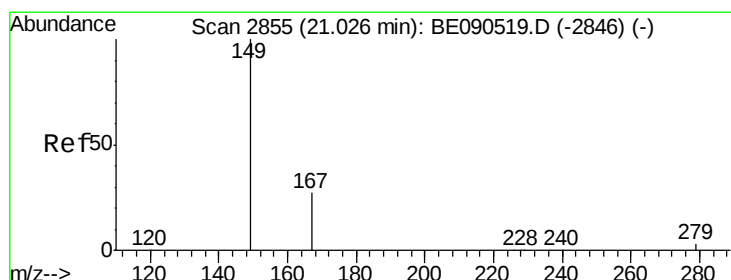
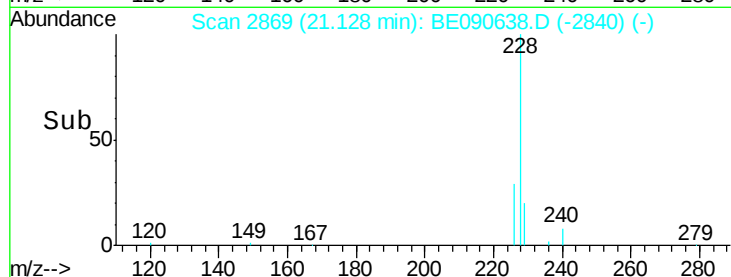
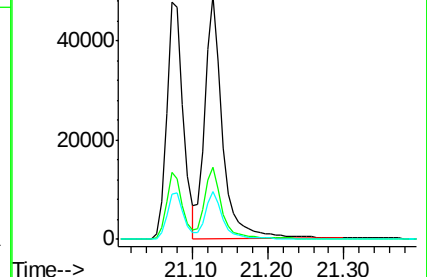
229 19.6 15.8 23.8



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: 1.64 ng

RT: 21.02 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

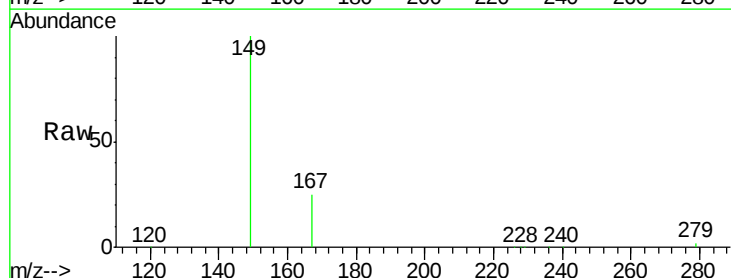
Tgt Ion:149 Resp: 24737

Ion Ratio Lower Upper

149 100

167 25.0 19.8 29.8

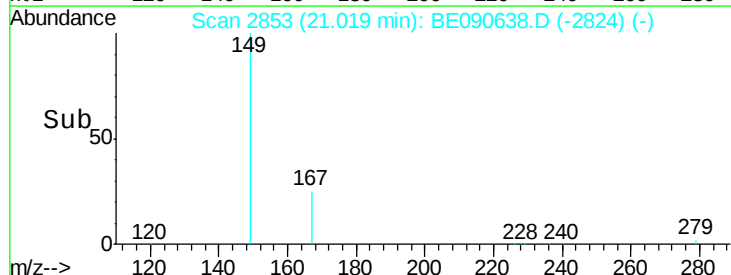
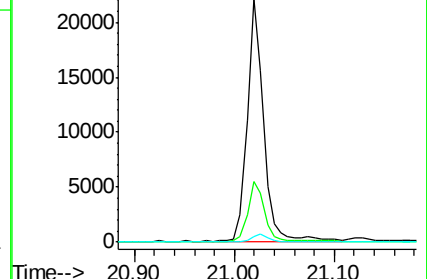
279 2.9 2.4 3.6



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

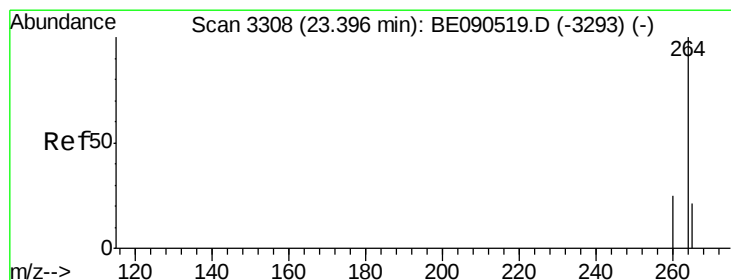
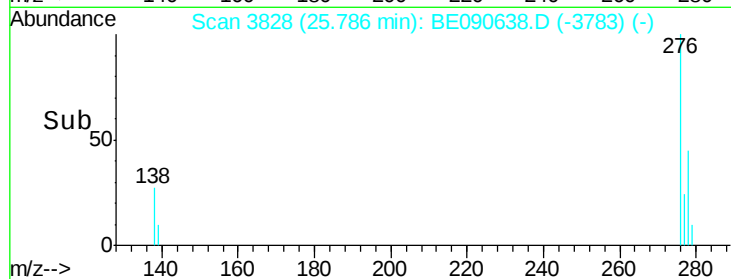
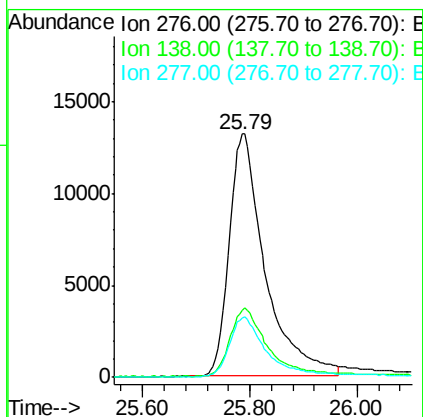
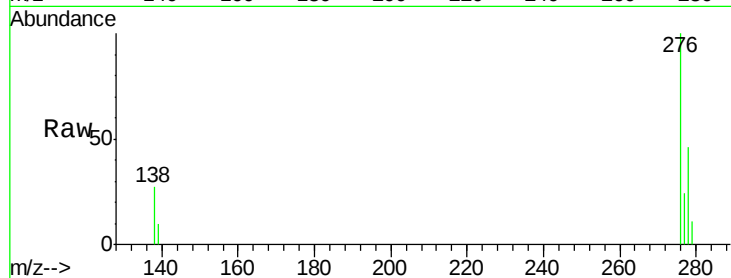




#31
Indeno(1,2,3-cd)pyrene
Concen: 2.39 ng
RT: 25.79 min Scan# 3828
Delta R.T. 0.00 min
Lab File: BE090638.D
Acq: 26 Aug 2015 15:39

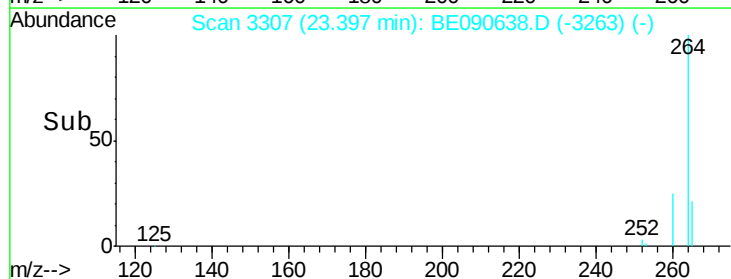
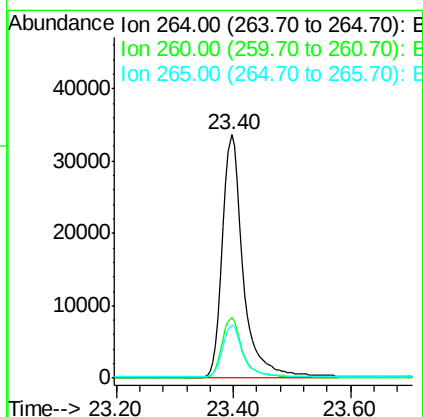
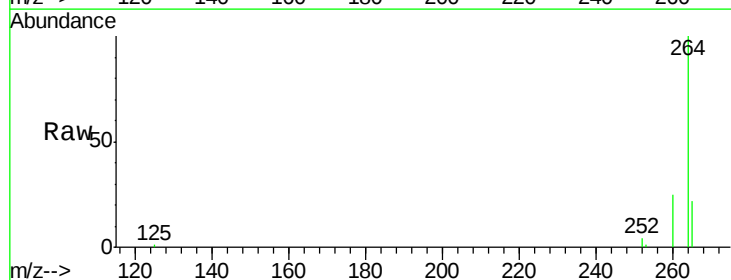
Instrument :
BNA_E
ClientSampleId :
PB85188BSD

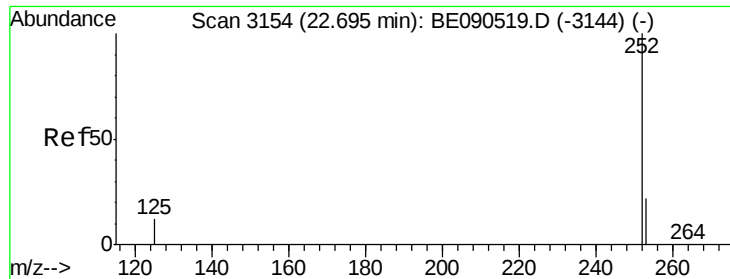
Tot Ion:276 Resp: 61771
Ion Ratio Lower Upper
276 100
138 29.2 18.8 28.2#
277 24.8 18.2 27.4



#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3307
Delta R.T. 0.00 min
Lab File: BE090638.D
Acq: 26 Aug 2015 15:39

Tgt Ion:264 Resp: 82635
Ion Ratio Lower Upper
264 100
260 24.9 20.1 30.1
265 21.6 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 3.03 ng

RT: 22.70 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

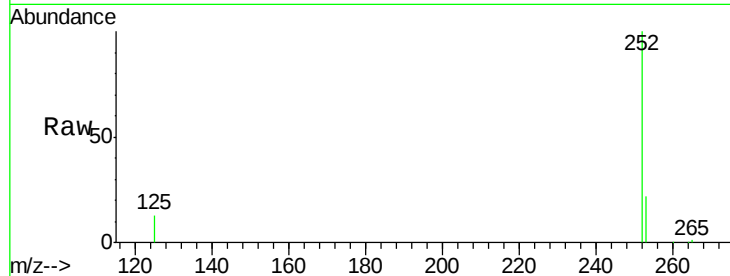
Tot Ion:252 Resp: 59369

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

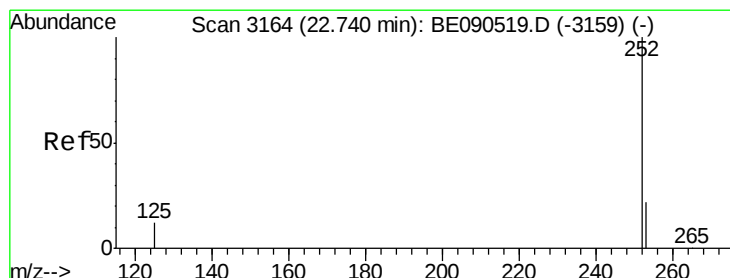
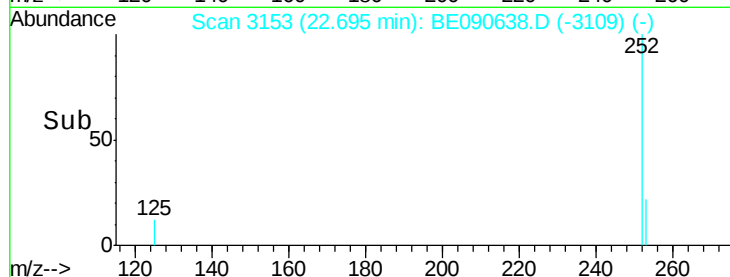
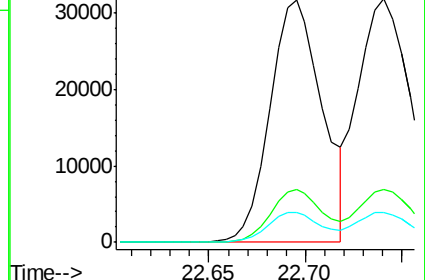
125 12.6 9.4 14.2



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: 3.19 ng

RT: 22.74 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

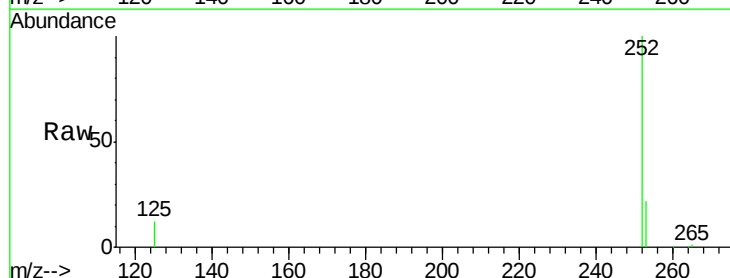
Tgt Ion:252 Resp: 70773

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

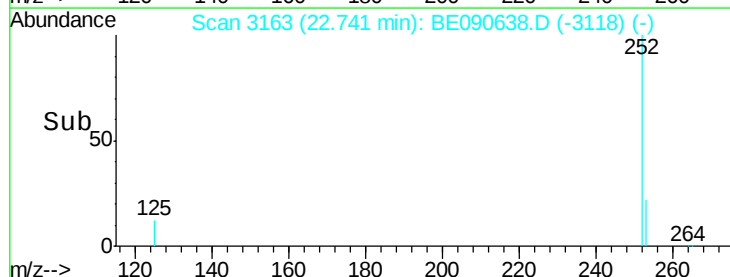
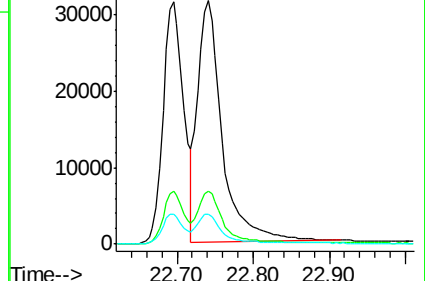
125 12.4 9.1 13.7



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: 3.19 ng

RT: 23.29 min Scan# 3284

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

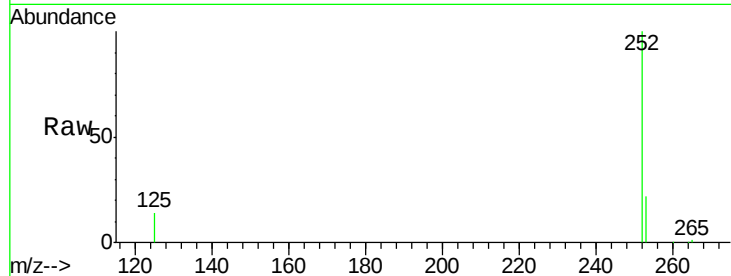
Tot Ion:252 Resp: 58346

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

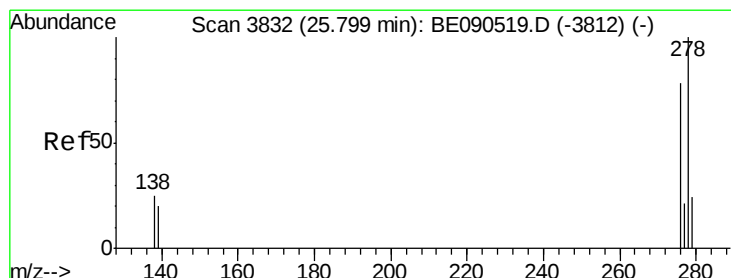
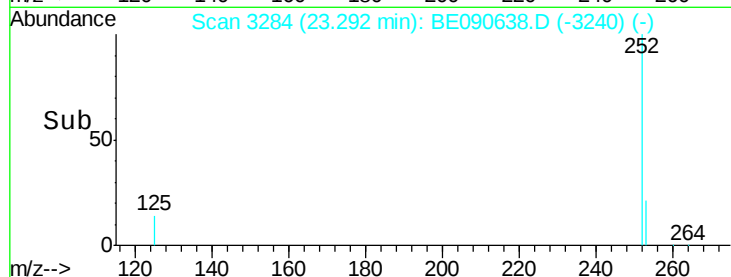
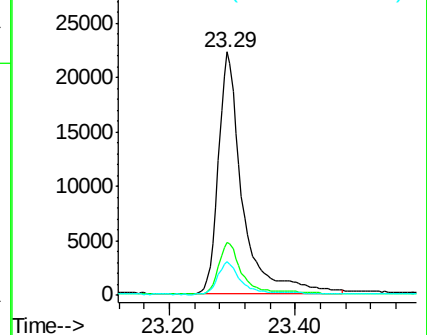
125 13.9 9.8 14.6



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: 2.75 ng

RT: 25.80 min Scan# 3832

Delta R.T. 0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

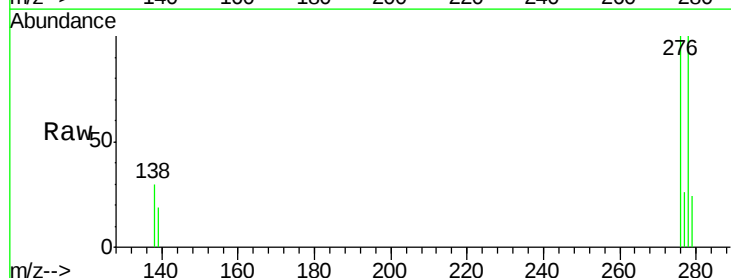
Tgt Ion:278 Resp: 48553

Ion Ratio Lower Upper

278 100

139 19.0 14.2 21.4

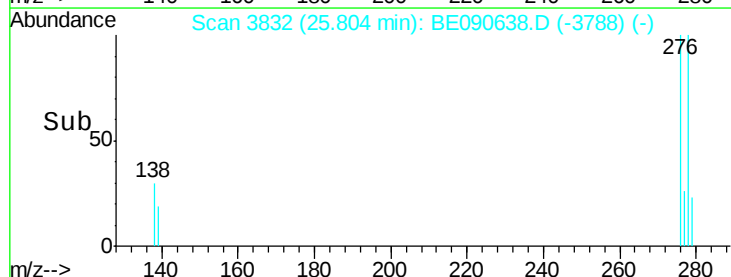
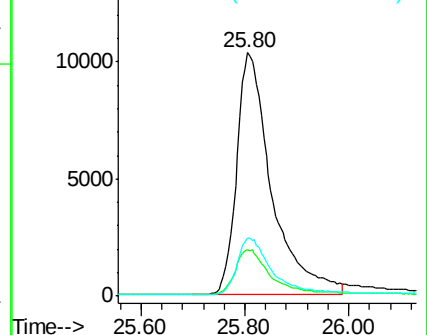
279 23.9 20.1 30.1



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: 2.86 ng

RT: 26.51 min Scan# 3986

Delta R.T. -0.00 min

Lab File: BE090638.D

Acq: 26 Aug 2015 15:39

Instrument :

BNA_E

ClientSampleId :

PB85188BSD

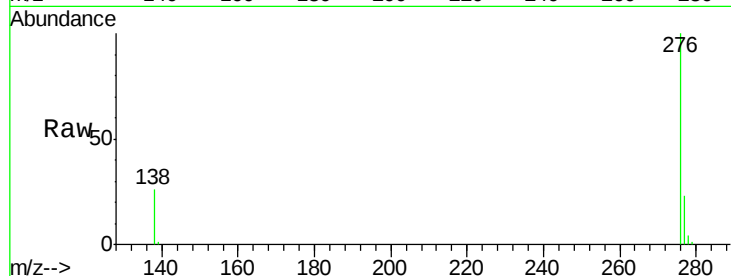
Tot Ion: 276 Resp: 55299

Ion Ratio Lower Upper

276 100

277 23.4 20.1 30.1

138 25.8 18.1 27.1



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

