

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE082615\
 Data File : BE090637.D
 Acq On : 26 Aug 2015 15:03
 Operator : UM/IZ
 Sample : PB85188BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85188BS

Quant Time: Aug 26 23:49:04 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	7.57	152	13630	5.00	ng	0.00
6) Naphthalene-d8	10.32	136	64543	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	37092	5.00	ng	0.00
18) Phenanthrene-d10	16.93	188	91786	5.00	ng	-0.02
25) Chrysene-d12	21.09	240	110033	5.00	ng	0.00
32) Perylene-d12	23.40	264	91536	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	21154	5.37	ng	0.00
5) Phenol-d6	6.76	99	31607	5.46	ng	-0.01
7) Nitrobenzene-d5	8.72	82	16843	3.27	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	10154	7.11	ng	-0.02
14) 2-Fluorobiphenyl	12.81	172	35993	3.25	ng	-0.01
27) Terphenyl-d14	19.55	244	62404	3.10	ng	0.00

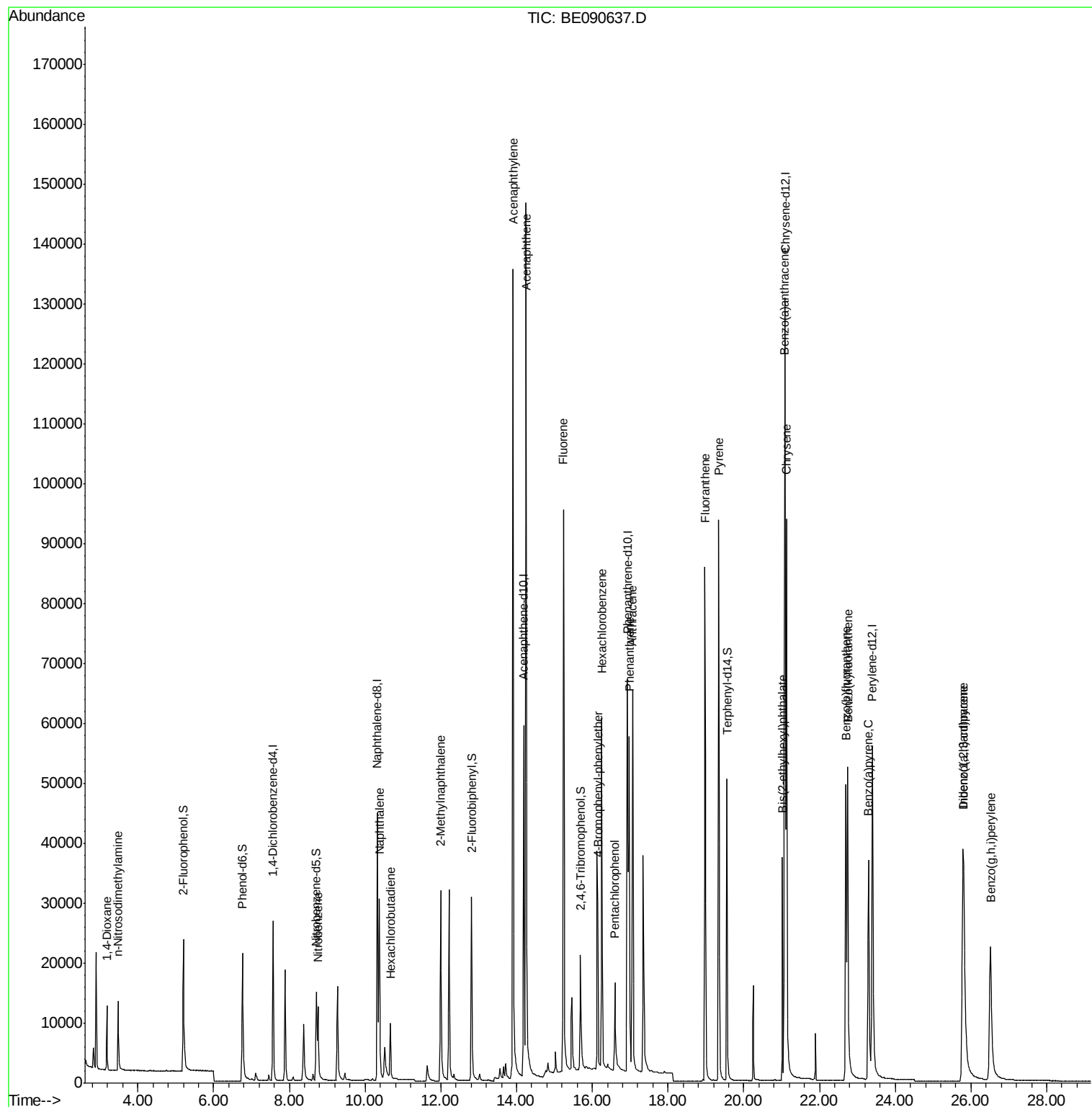
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.18	88	5924	3.82	ng	99
3) n-Nitrosodimethylamine	3.48	42	7543	3.21	ng	# 84
8) Nitrobenzene	8.76	77	16273	3.05	ng	97
9) Naphthalene	10.38	128	43526	2.97	ng	98
10) Hexachlorobutadiene	10.67	225	6674	3.10	ng	99
11) 2-Methylnaphthalene	12.00	142	29081	3.04	ng	98
15) Acenaphthylene	13.91	152	203048	3.00	ng	100
16) Acenaphthene	14.25	154	30775	3.02	ng	86
17) Fluorene	15.24	166	43679	3.50	ng	97
19) 4-Bromophenyl-phenylether	16.14	248	11417	3.04	ng	# 76
20) Hexachlorobenzene	16.25	284	54159	3.26	ng	97
21) Pentachlorophenol	16.60	266	9073	4.58	ng	93
22) Phenanthrene	16.98	178	76953	3.19	ng	100
23) Anthracene	17.07	178	74782	3.37	ng	100
24) Fluoranthene	18.98	202	86558	3.38	ng	99
26) Pyrene	19.34	202	94634	3.01	ng	99
28) Benzo(a)anthracene	21.07	228	84241	2.91	ng	99
29) Chrysene	21.13	228	92240	3.12	ng	99
30) Bis(2-ethylhexyl)phthalate	21.02	149	31202	1.89	ng	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	74460	2.67	ng	# 92
33) Benzo(b)fluoranthene	22.70	252	71634	3.30	ng	99
34) Benzo(k)fluoranthene	22.74	252	84354	3.43	ng	99
35) Benzo(a)pyrene	23.29	252	70576	3.48	ng	98
36) Dibenzo(a,h)anthracene	25.81	278	58666	3.00	ng	97
37) Benzo(g,h,i)perylene	26.52	276	66244	3.10	ng	96

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE082615\
Data File : BE090637.D
Acq On : 26 Aug 2015 15:03
Operator : UM/IZ
Sample : PB85188BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85188BS

Quant Time: Aug 26 23:49:04 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: 7.57 min Scan# 842

Delta R.T. -0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

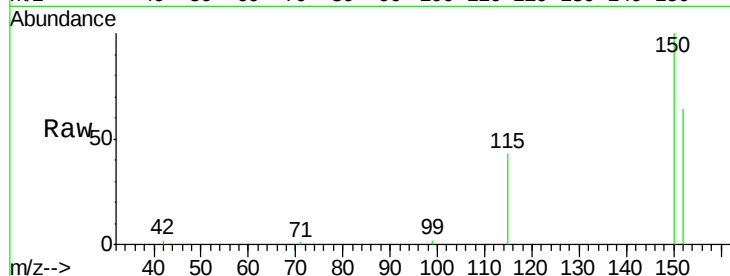
Tgt Ion:152 Resp: 13630

Ion Ratio Lower Upper

152 100

150 155.3 123.0 184.4

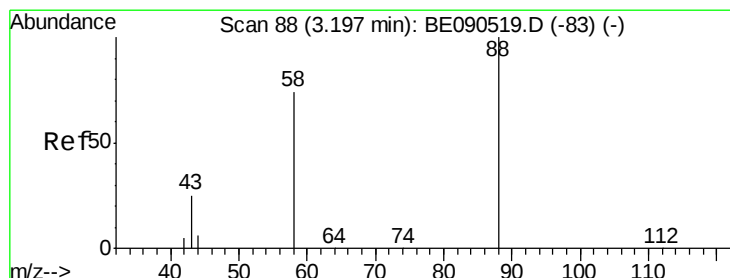
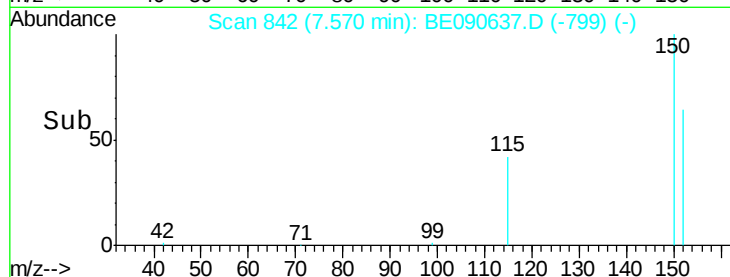
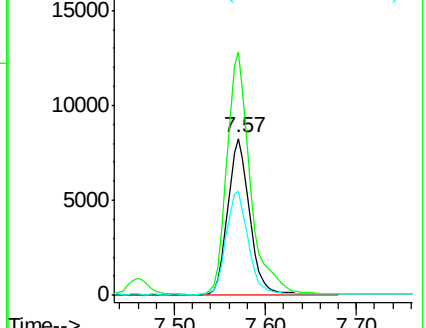
115 66.3 48.9 73.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.82 ng

RT: 3.18 min Scan# 86

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

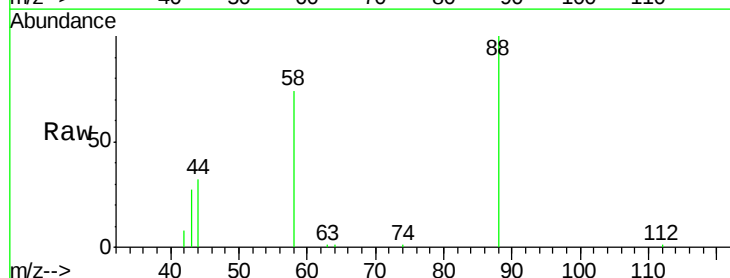
Tgt Ion: 88 Resp: 5924

Ion Ratio Lower Upper

88 100

58 87.8 70.0 105.0

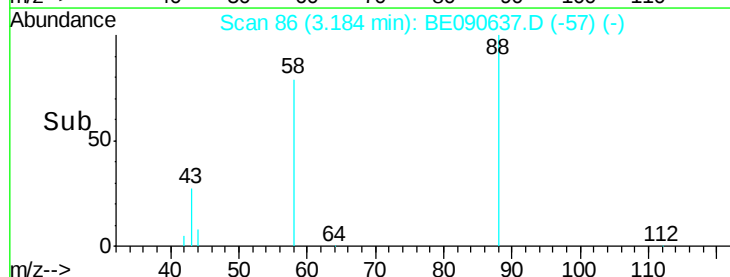
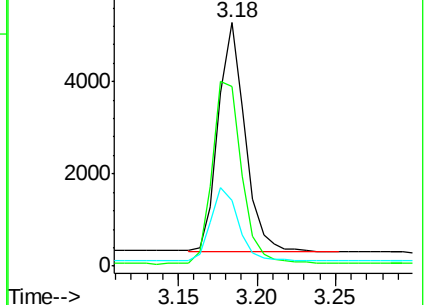
43 33.6 28.4 42.6



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.21 ng

RT: 3.48 min Scan# 129

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

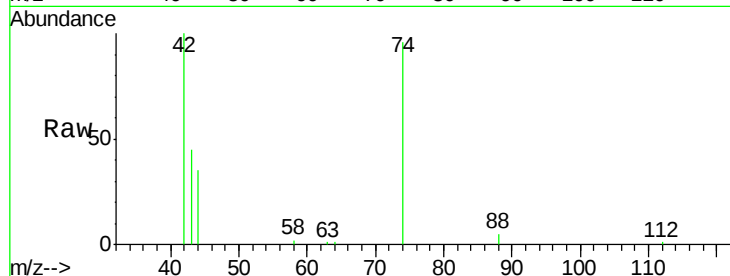
Tgt Ion: 42 Resp: 7543

Ion Ratio Lower Upper

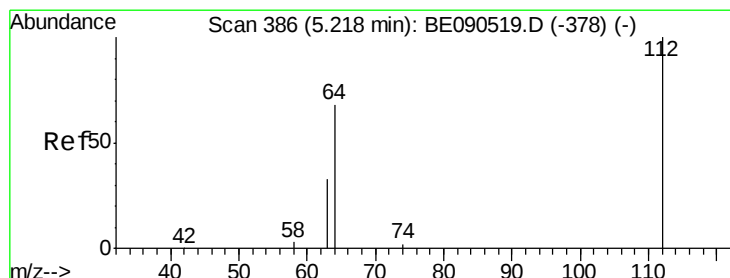
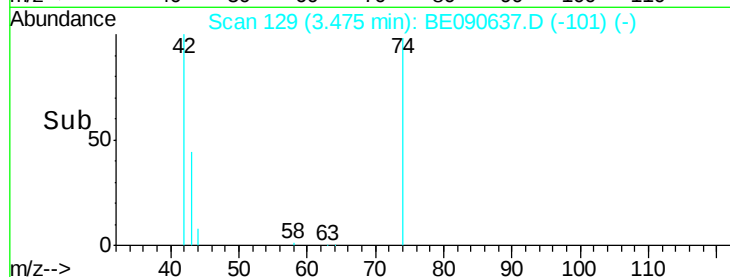
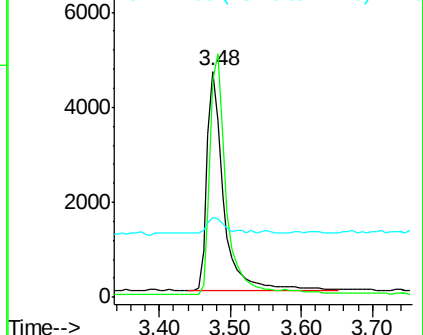
42 100

74 110.8 75.2 112.8

44 8.6 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: 5.37 ng

RT: 5.20 min Scan# 384

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

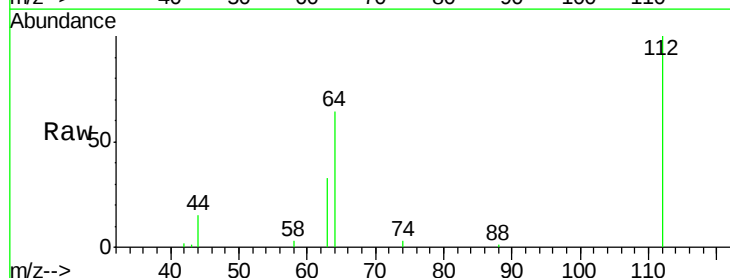
Tgt Ion: 112 Resp: 21154

Ion Ratio Lower Upper

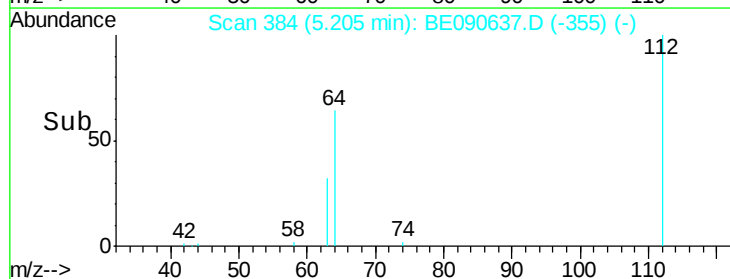
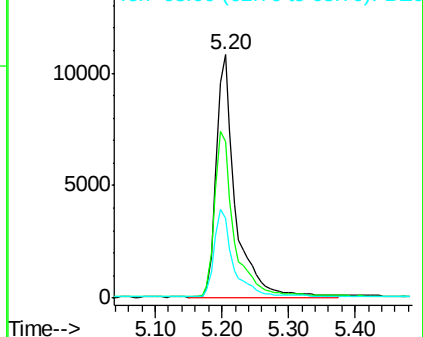
112 100

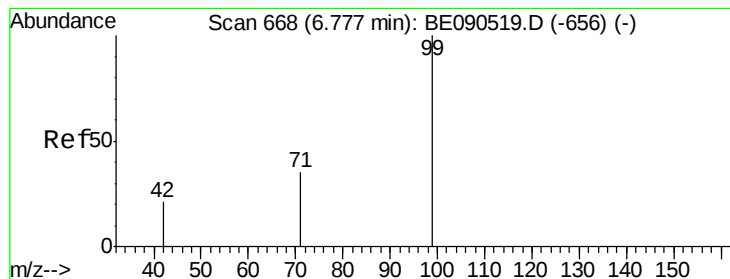
64 70.5 37.1 55.7#

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: 5.46 ng

RT: 6.76 min Scan# 664

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

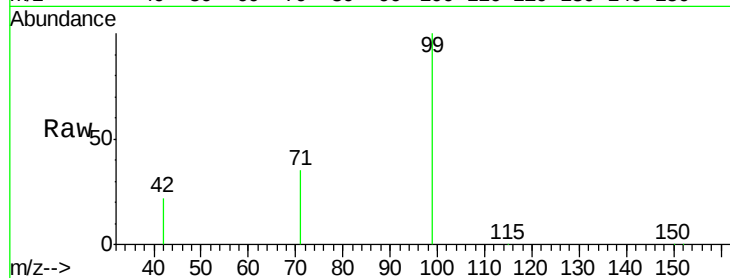
Tgt Ion: 99 Resp: 31607

Ion Ratio Lower Upper

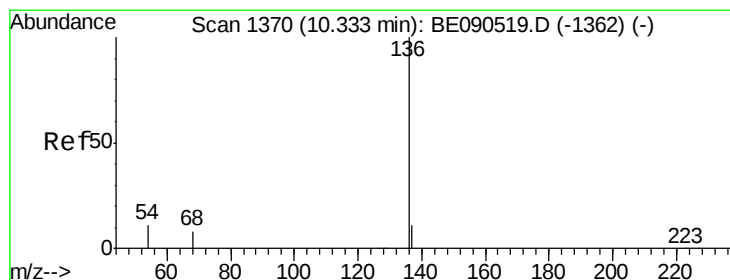
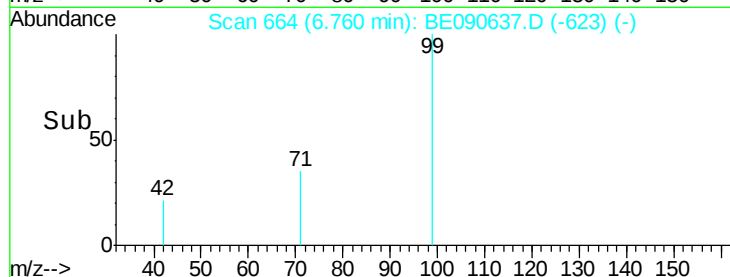
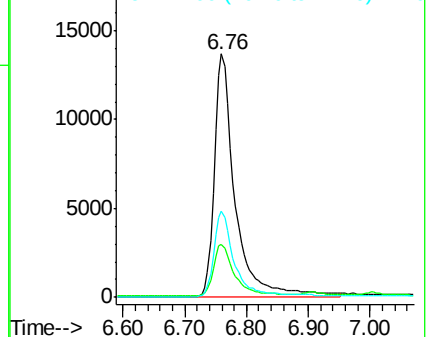
99 100

42 21.2 18.2 27.4

71 34.5 27.4 41.0



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.32 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Tgt Ion: 136 Resp: 64543

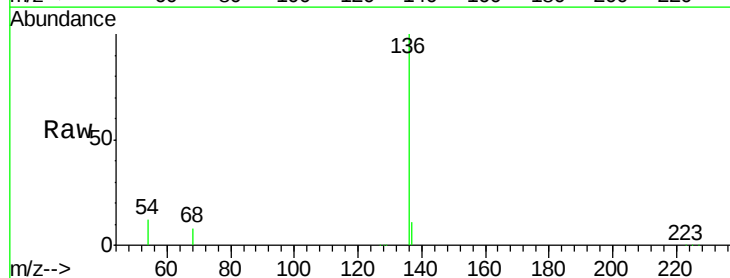
Ion Ratio Lower Upper

136 100

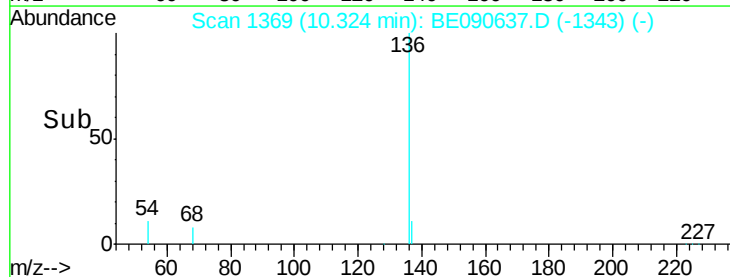
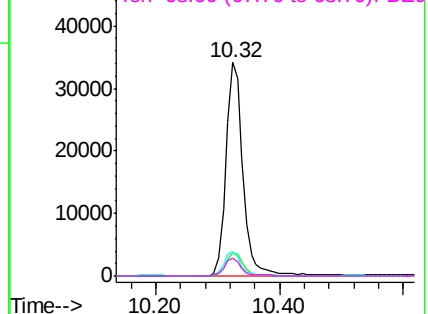
137 10.9 8.7 13.1

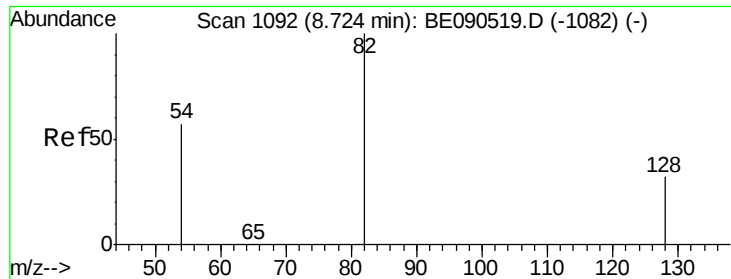
54 11.6 9.4 14.0

68 8.3 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.27 ng

RT: 8.72 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

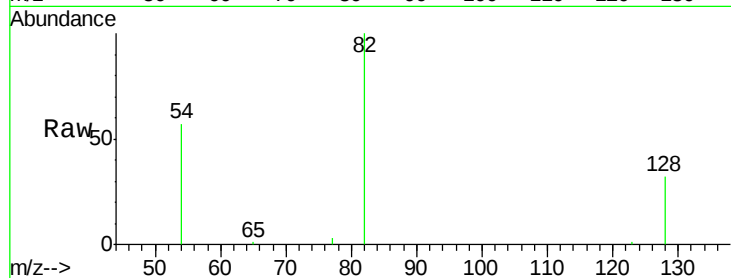
Tgt Ion: 82 Resp: 16843

Ion Ratio Lower Upper

82 100

128 32.3 25.0 37.6

54 57.2 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

10000

8000

6000

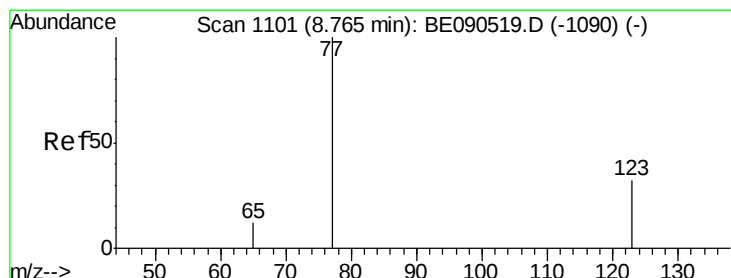
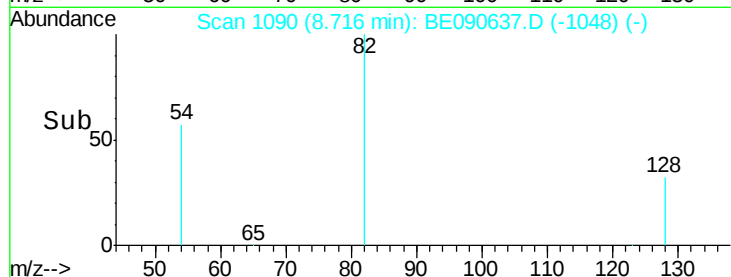
4000

2000

0

8.60 8.70 8.80 8.90

Time-->



#8

Nitrobenzene

Concen: 3.05 ng

RT: 8.76 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

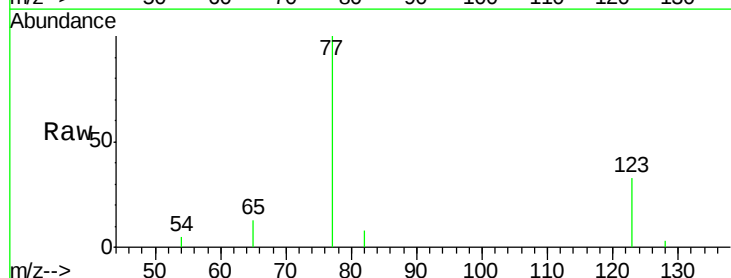
Tgt Ion: 77 Resp: 16273

Ion Ratio Lower Upper

77 100

123 33.0 25.1 37.7

65 12.5 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

10000

8000

6000

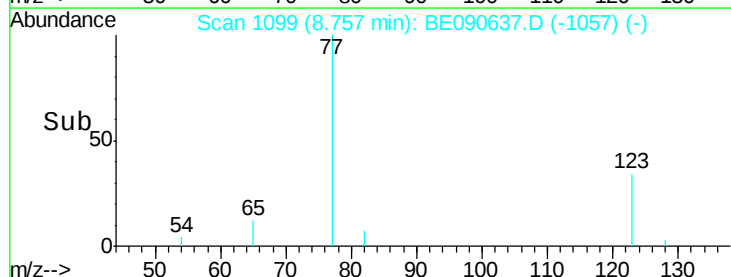
4000

2000

0

8.60 8.70 8.80 8.90 9.00

Time-->





#9

Naphthalene

Concen: 2.97 ng

RT: 10.38 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

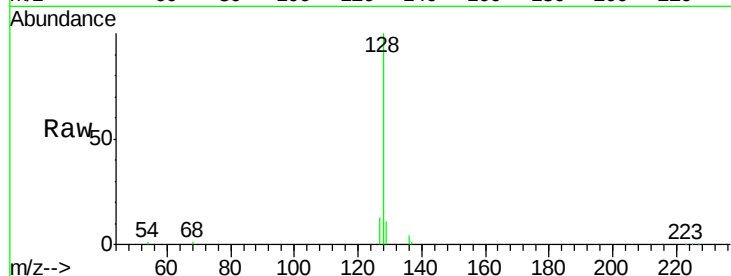
Tgt Ion:128 Resp: 43526

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.6

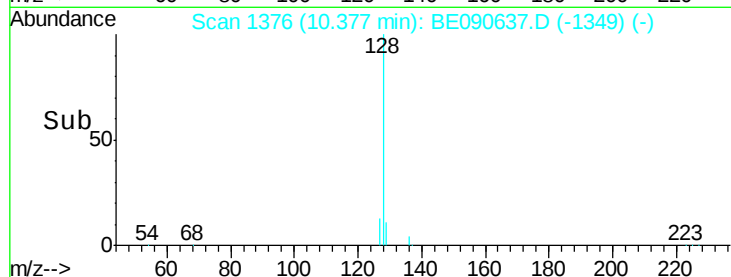
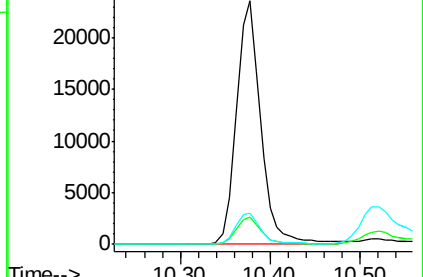
127 13.0 10.6 16.0



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: 3.10 ng

RT: 10.67 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

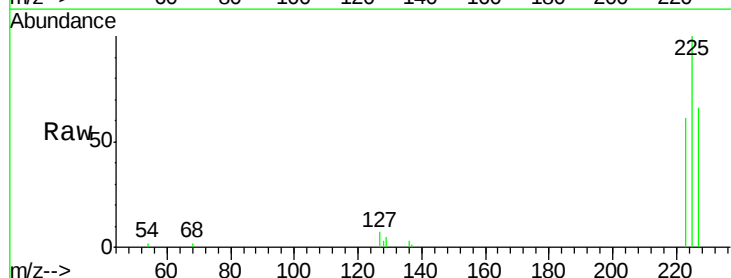
Tgt Ion:225 Resp: 6674

Ion Ratio Lower Upper

225 100

223 62.8 50.6 75.8

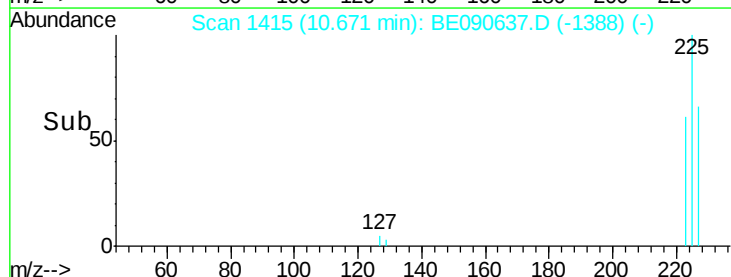
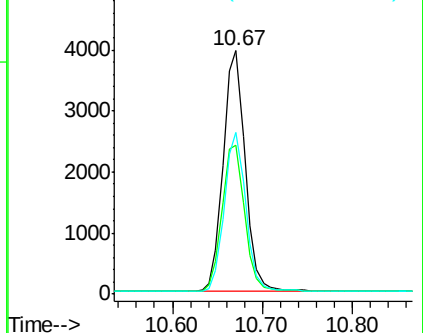
227 64.7 50.7 76.1



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: 3.04 ng

RT: 12.00 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

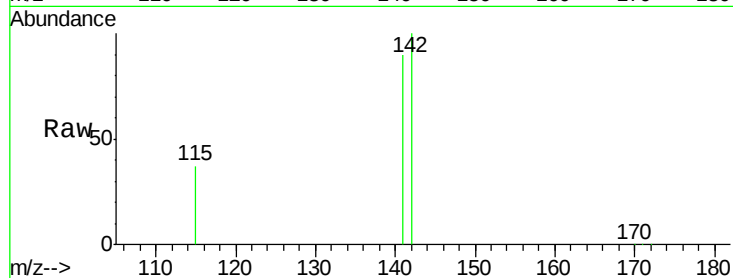
Tgt Ion:142 Resp: 29081

Ion Ratio Lower Upper

142 100

141 89.8 72.6 109.0

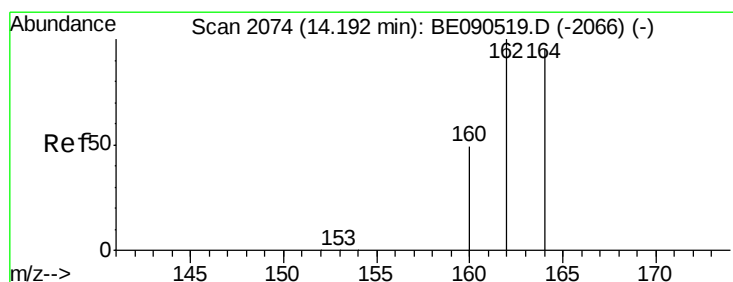
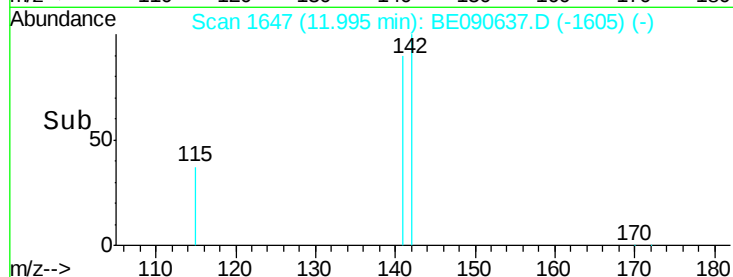
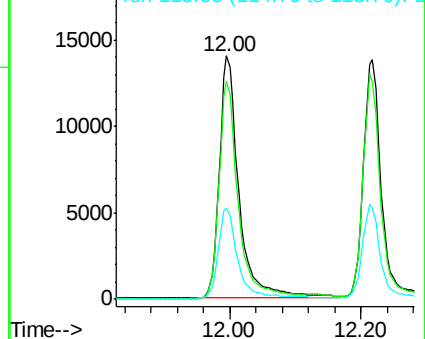
115 37.4 31.6 47.4



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# 2073

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

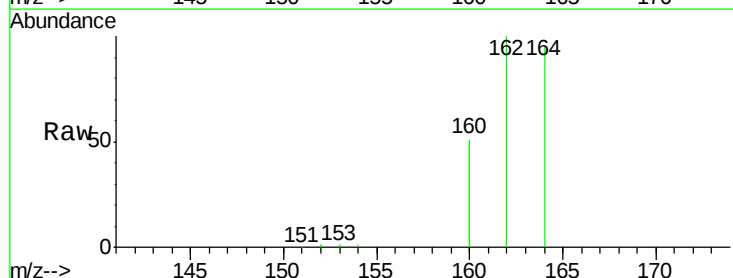
Tgt Ion:164 Resp: 37092

Ion Ratio Lower Upper

164 100

162 104.9 81.8 122.8

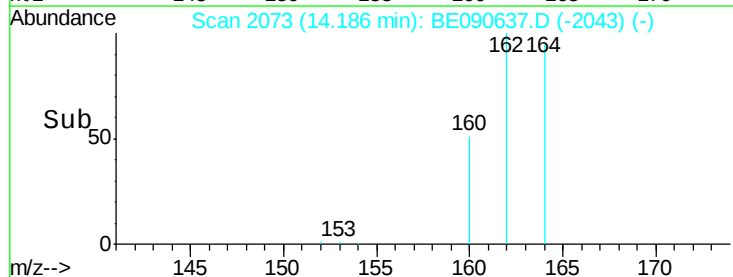
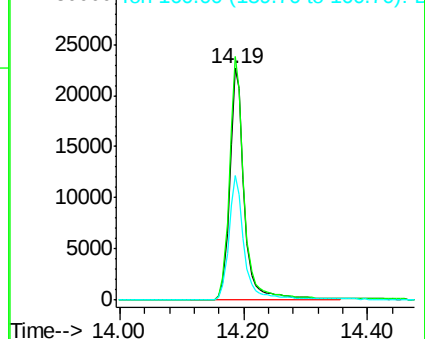
160 53.7 44.2 66.4



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

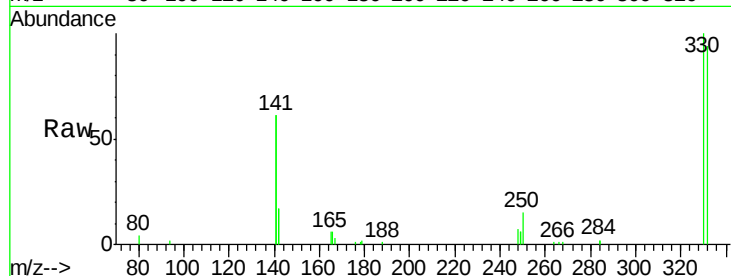




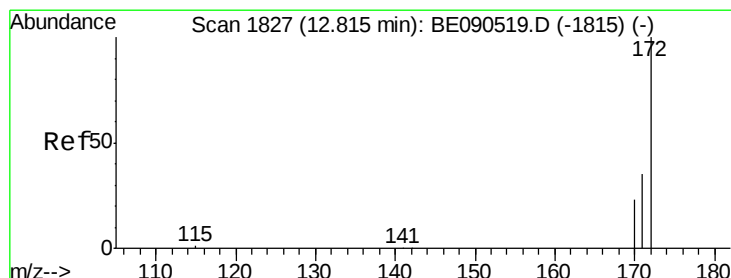
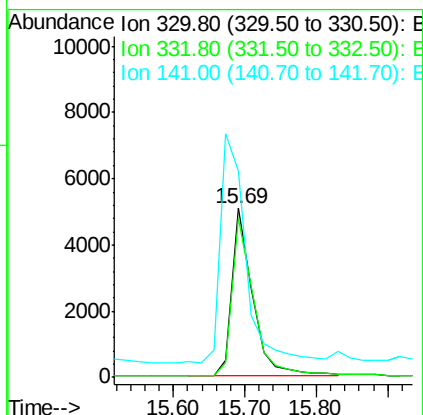
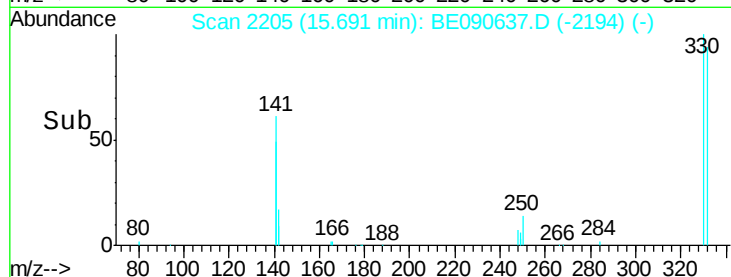
#13
 2,4,6-Tribromophenol
 Concen: 7.11 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090637.D
 Acq: 26 Aug 2015 15:03

Instrument :
 BNA_E
 ClientSampleId :
 PB85188BS

Tgt Ion:330 Resp: 10154
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.8 113.6
 141 168.2 114.4 171.6

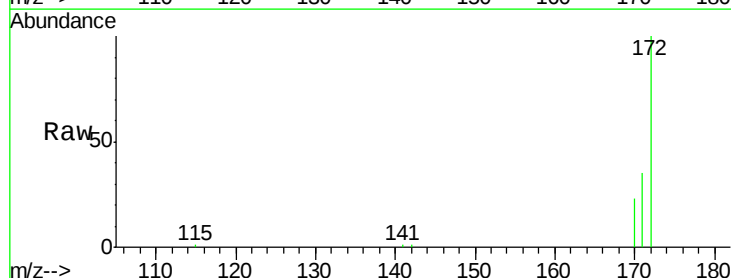


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

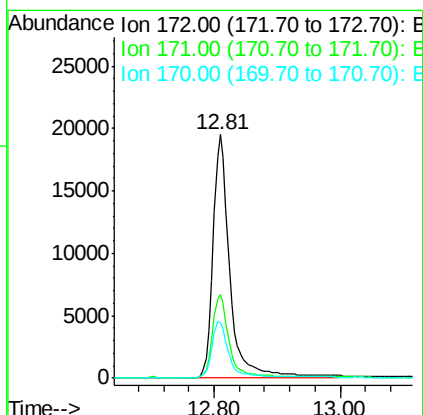
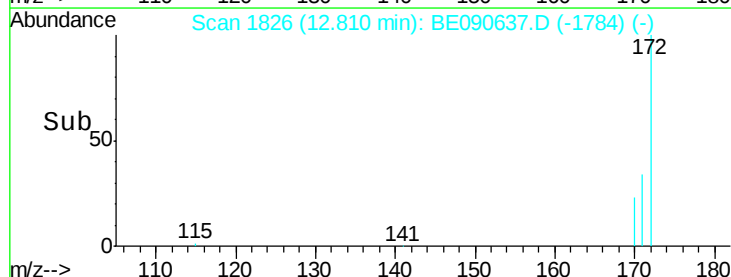


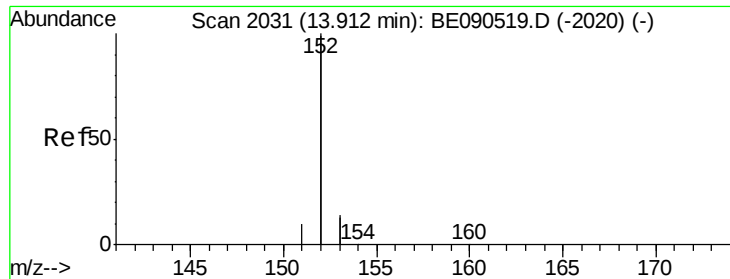
#14
 2-Fluorobiphenyl
 Concen: 3.25 ng
 RT: 12.81 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BE090637.D
 Acq: 26 Aug 2015 15:03

Tgt Ion:172 Resp: 35993
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 22.9 19.8 29.8



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: 3.00 ng

RT: 13.91 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

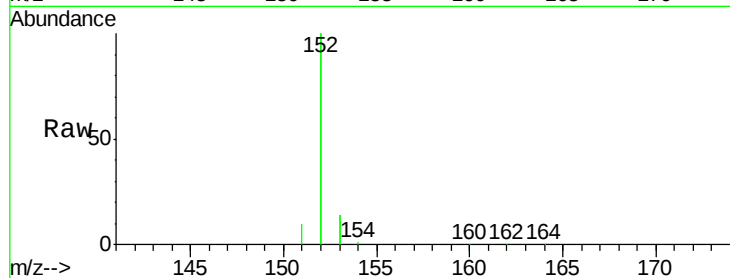
Tgt Ion:152 Resp: 203048

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

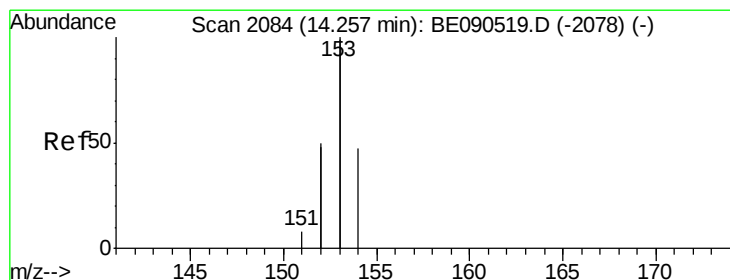
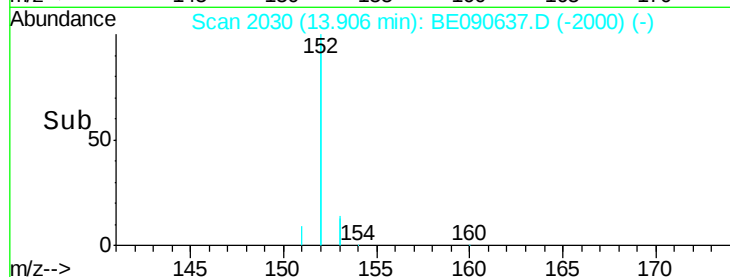
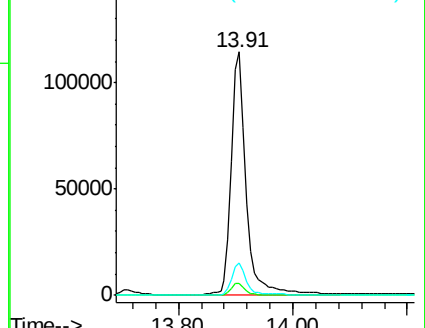
153 13.0 10.3 15.5



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



#16

Acenaphthene

Concen: 3.02 ng

RT: 14.25 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

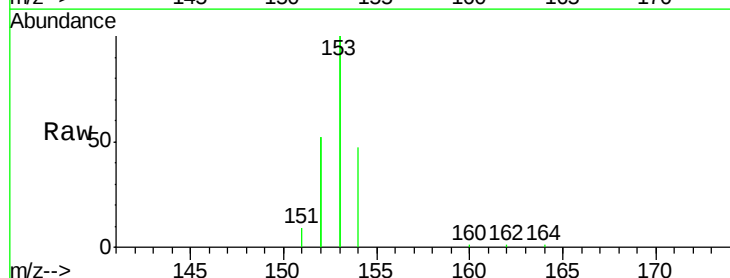
Tgt Ion:154 Resp: 30775

Ion Ratio Lower Upper

154 100

153 453.0 376.2 564.2

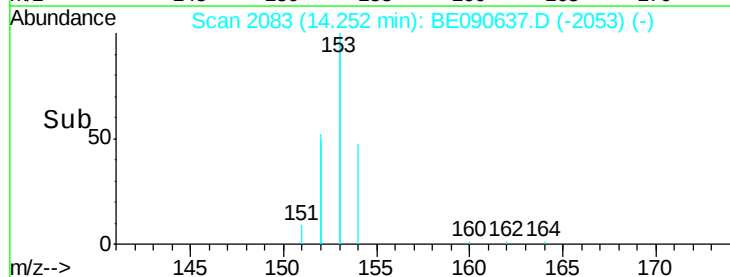
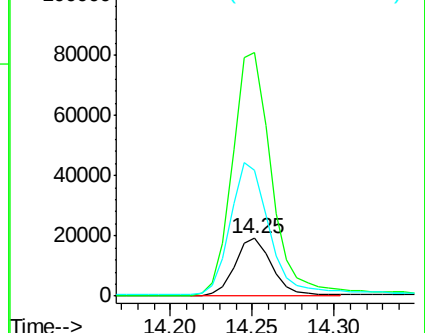
152 243.8 235.0 352.4



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

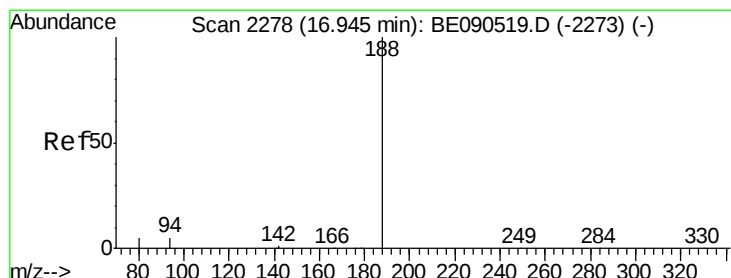
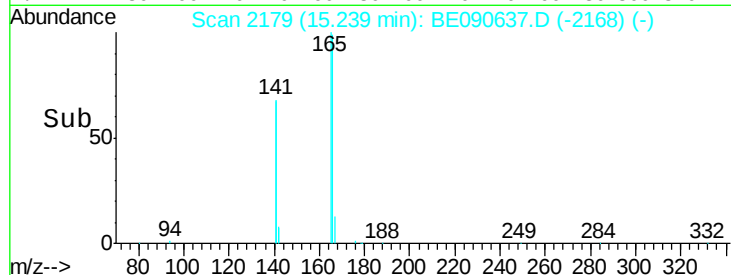
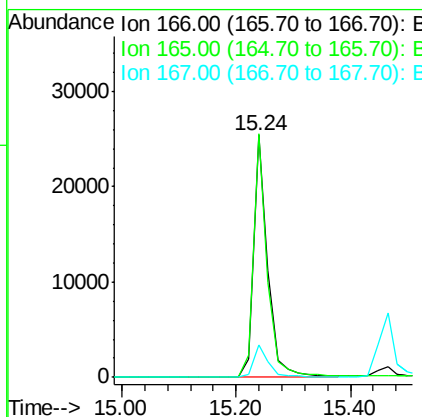
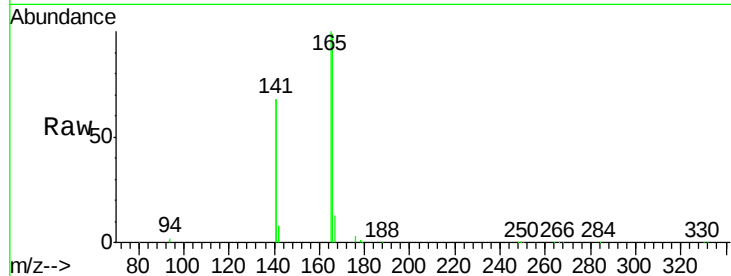




#17
Fluorene
 Concen: 3.50 ng
 RT: 15.24 min Scan# 2179
 Delta R.T. -0.02 min
 Lab File: BE090637.D
 Acq: 26 Aug 2015 15:03

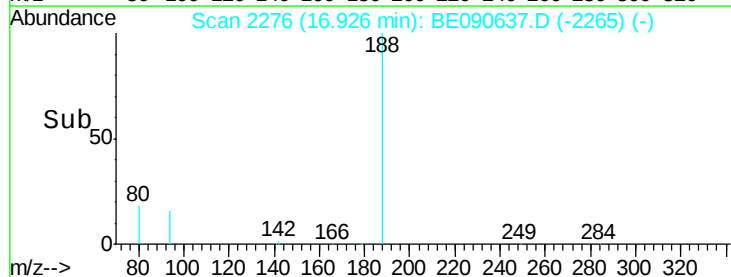
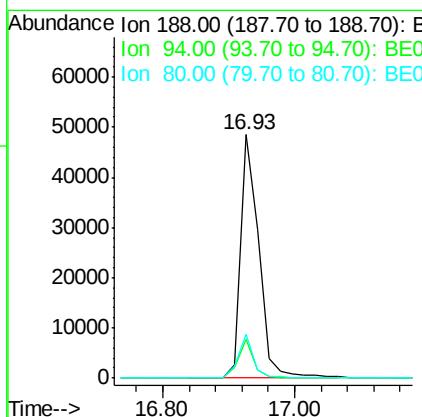
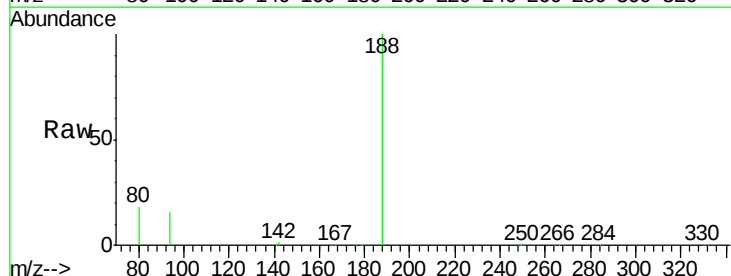
Instrument :
 BNA_E
 ClientSampleId :
 PB85188BS

Tgt Ion:166 Resp: 43679
 Ion Ratio Lower Upper
 166 100
 165 98.7 81.5 122.3
 167 13.7 11.4 17.0



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.93 min Scan# 2276
 Delta R.T. -0.02 min
 Lab File: BE090637.D
 Acq: 26 Aug 2015 15:03

Tgt Ion:188 Resp: 91786
 Ion Ratio Lower Upper
 188 100
 94 16.0 5.7 8.5#
 80 17.8 5.8 8.8#





#19

4-Bromophenyl-phenylether

Concen: 3.04 ng

RT: 16.14 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

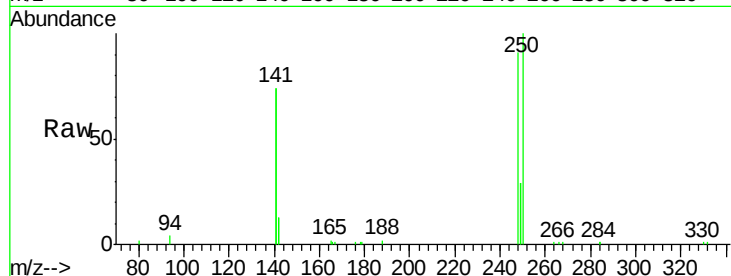
Tgt Ion:248 Resp: 11417

Ion Ratio Lower Upper

248 100

250 98.7 79.0 118.6

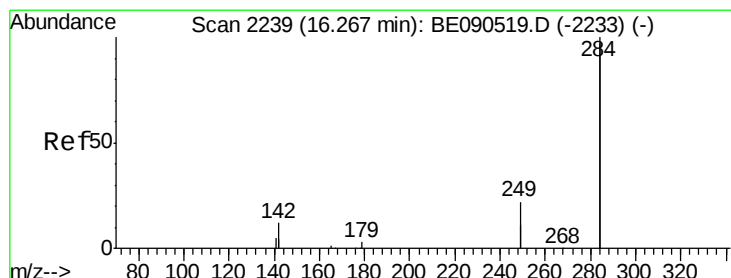
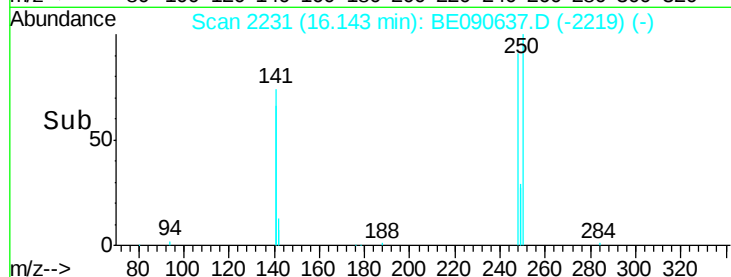
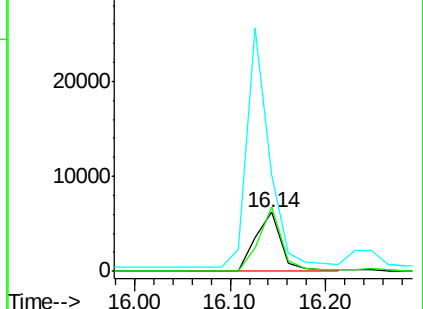
141 362.7 239.5 359.3#



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: 3.26 ng

RT: 16.25 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

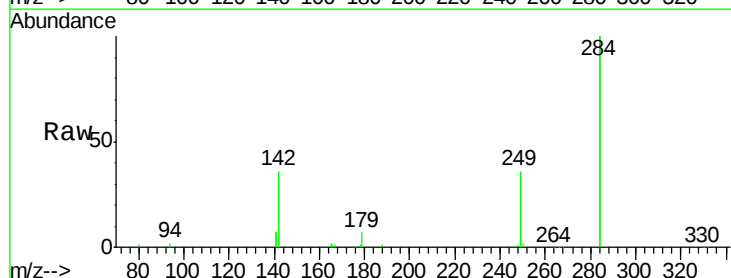
Tgt Ion:284 Resp: 54159

Ion Ratio Lower Upper

284 100

142 40.5 30.1 45.1

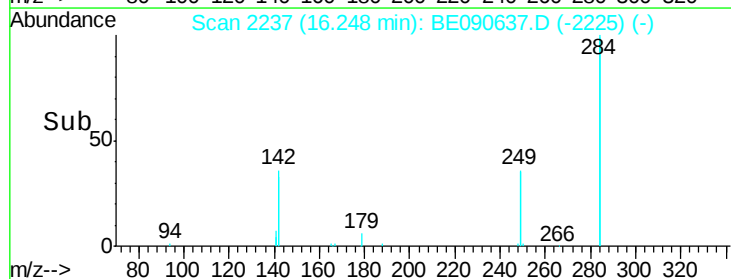
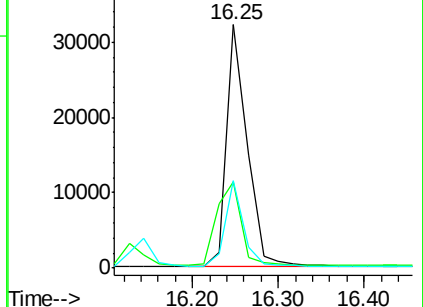
249 31.4 25.7 38.5



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

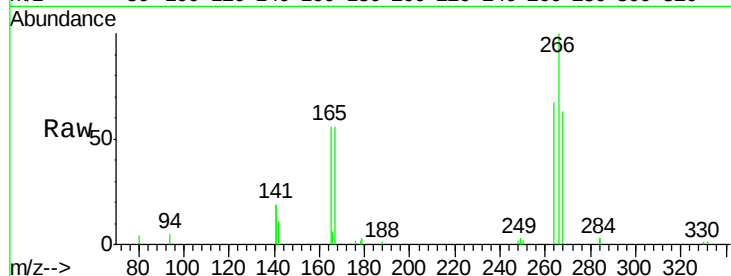




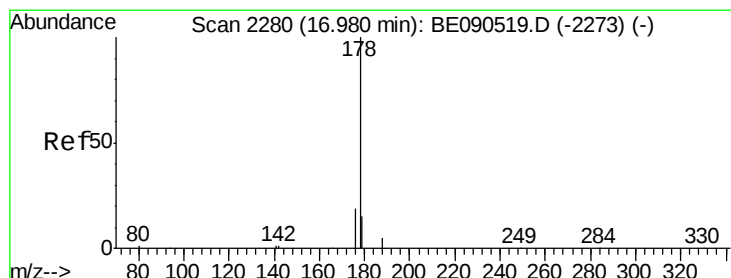
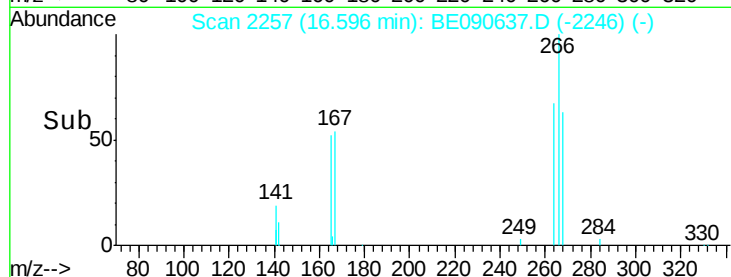
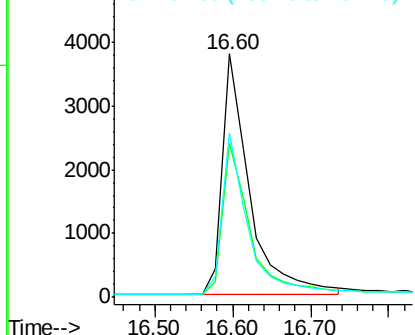
#21
 Pentachlorophenol
 Concen: 4.58 ng
 RT: 16.60 min Scan# 2257
 Delta R.T. -0.02 min
 Lab File: BE090637.D
 Acq: 26 Aug 2015 15:03

Instrument :
 BNA_E
 ClientSampleId :
 PB85188BS

Tgt Ion: 266 Resp: 9073
 Ion Ratio Lower Upper
 266 100
 268 63.3 58.5 87.7
 264 67.4 56.0 84.0

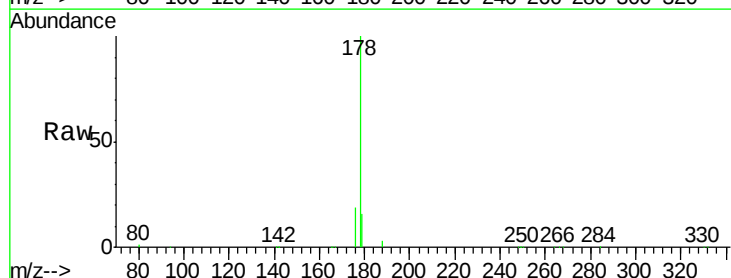


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

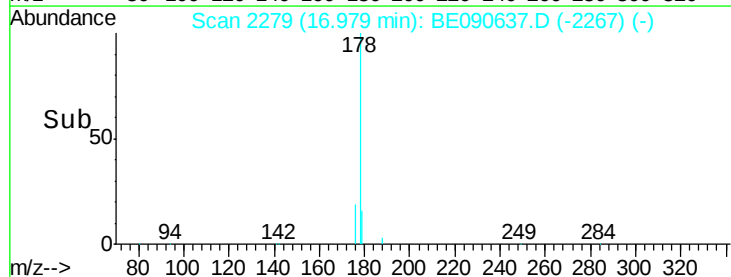
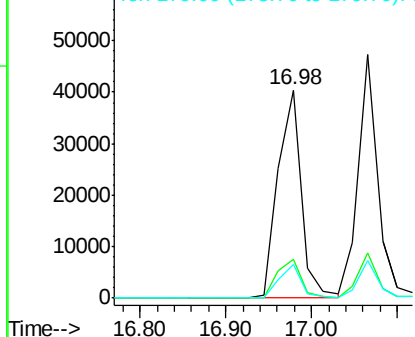


#22
 Phenanthrene
 Concen: 3.19 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BE090637.D
 Acq: 26 Aug 2015 15:03

Tgt Ion: 178 Resp: 76953
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.4 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: 3.37 ng

RT: 17.07 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

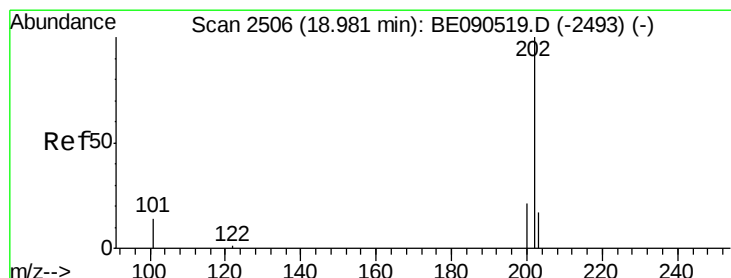
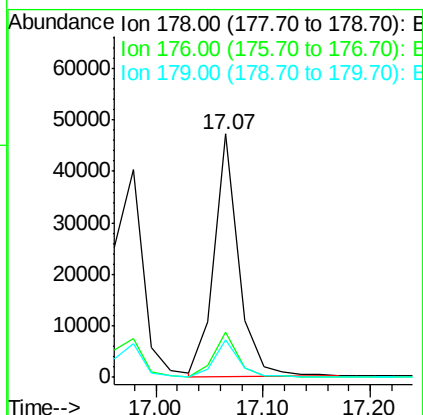
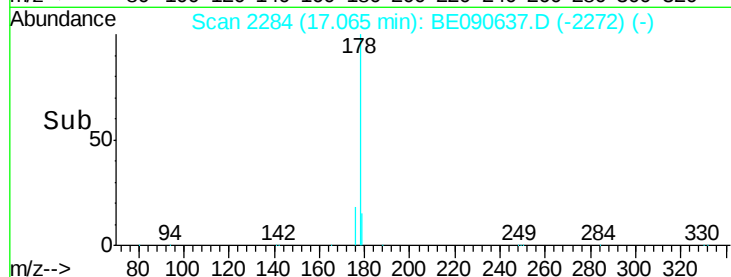
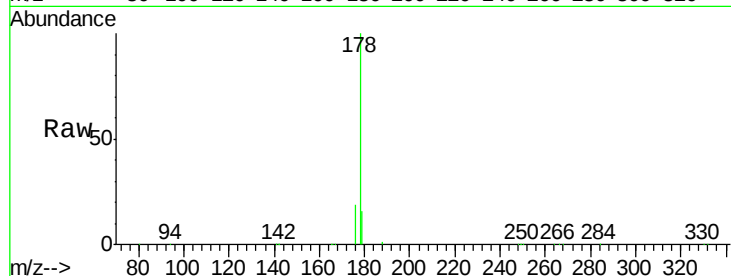
Tgt Ion:178 Resp: 74782

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.3 12.2 18.4



#24

Fluoranthene

Concen: 3.38 ng

RT: 18.98 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

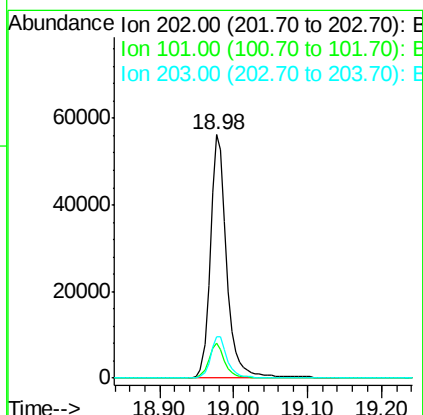
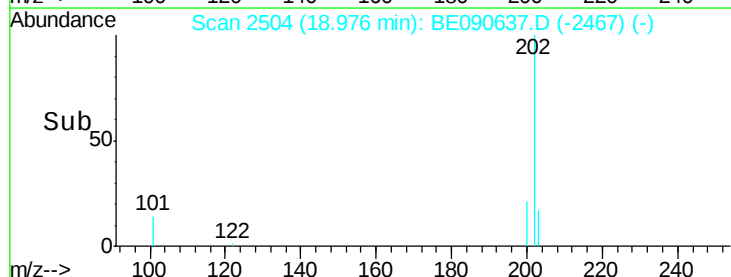
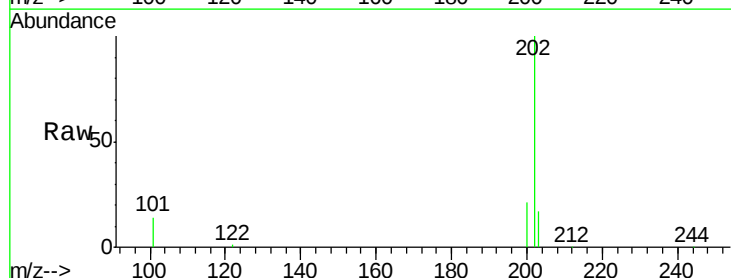
Tgt Ion:202 Resp: 86558

Ion Ratio Lower Upper

202 100

101 13.8 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: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

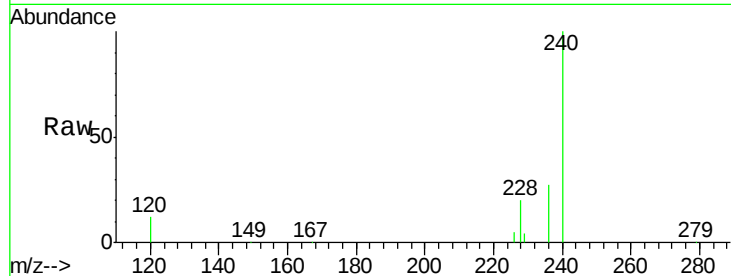
Tgt Ion:240 Resp: 110033

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

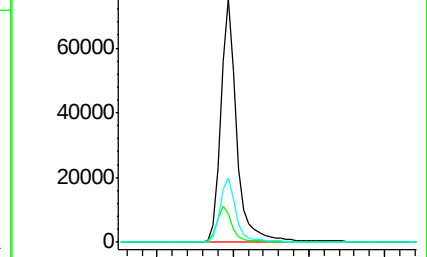
236 26.7 21.0 31.4



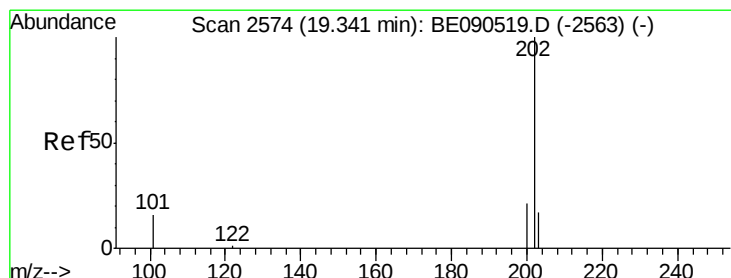
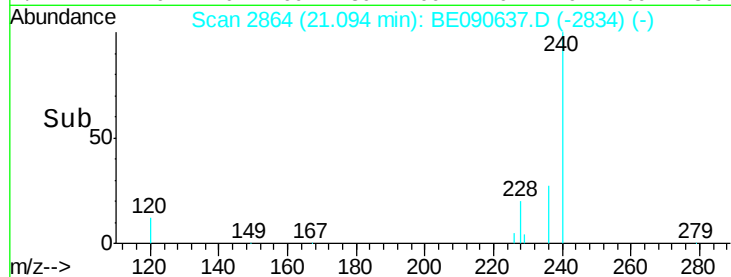
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#26

Pyrene

Concen: 3.01 ng

RT: 19.34 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

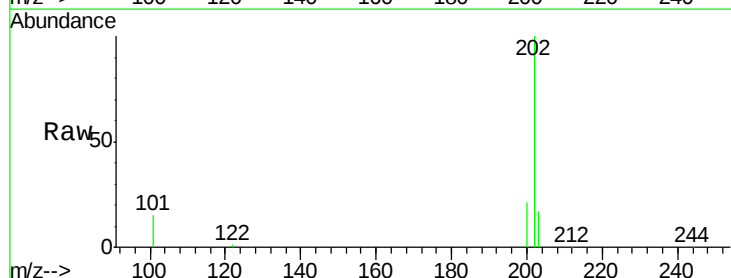
Tgt Ion:202 Resp: 94634

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

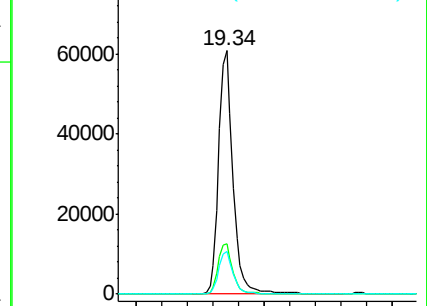
203 17.7 13.8 20.8



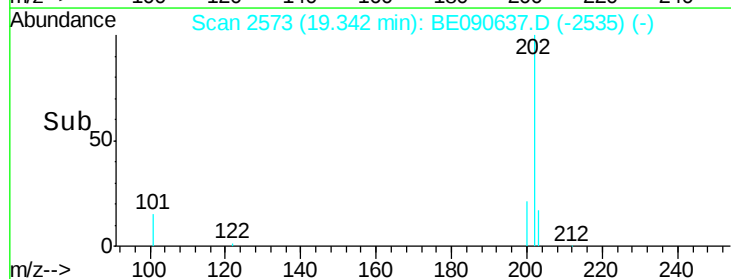
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

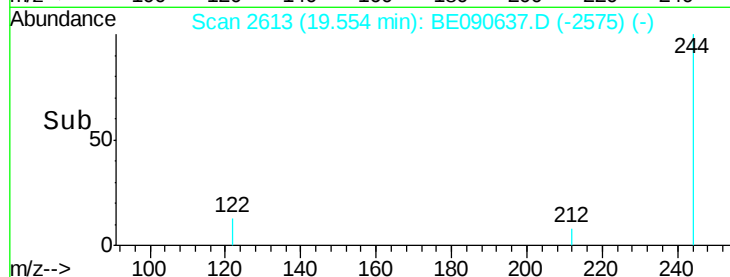
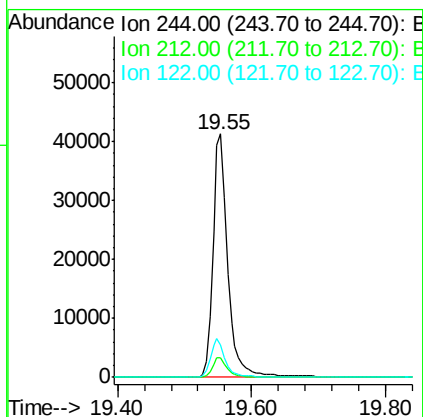
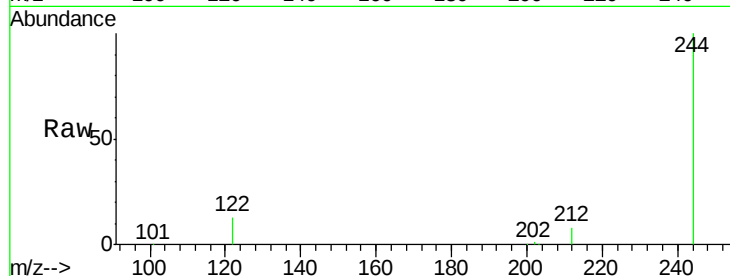




#27
 Terphenyl-d14
 Concen: 3.10 ng
 RT: 19.55 min Scan# 2613
 Delta R.T. 0.00 min
 Lab File: BE090637.D
 Acq: 26 Aug 2015 15:03

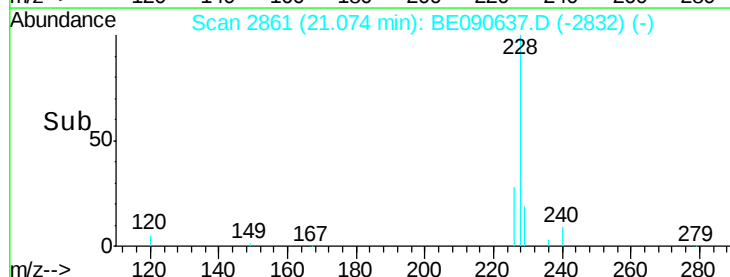
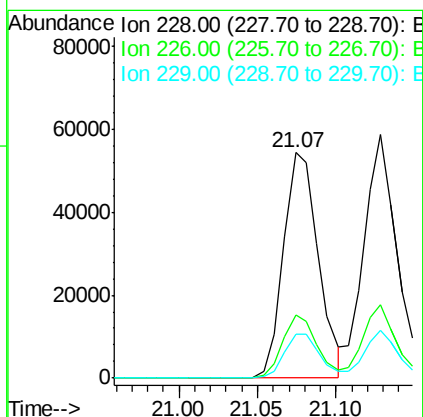
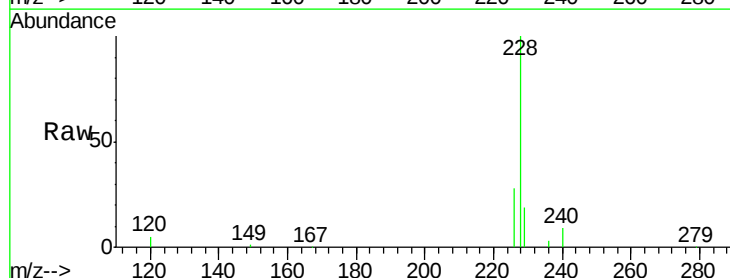
Instrument :
 BNA_E
 ClientSampled :
 PB85188BS

Tgt Ion:244 Resp: 62404
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 9.8
 122 13.1 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 2.91 ng
 RT: 21.07 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BE090637.D
 Acq: 26 Aug 2015 15:03

Tgt Ion:228 Resp: 84241
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.9 32.9
 229 19.4 15.4 23.0





#29

Chrysene

Concen: 3.12 ng

RT: 21.13 min Scan# 2869

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

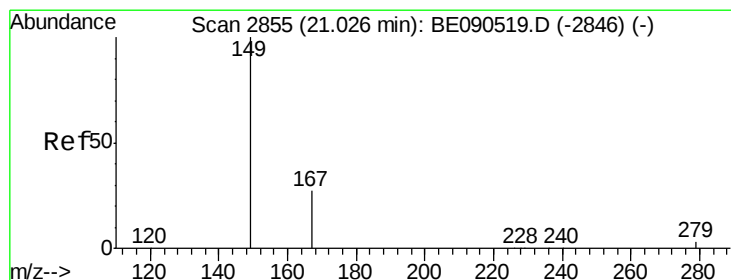
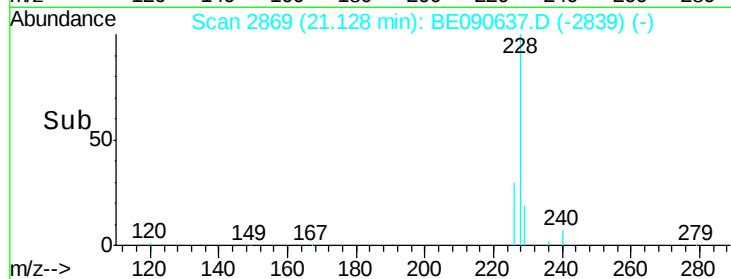
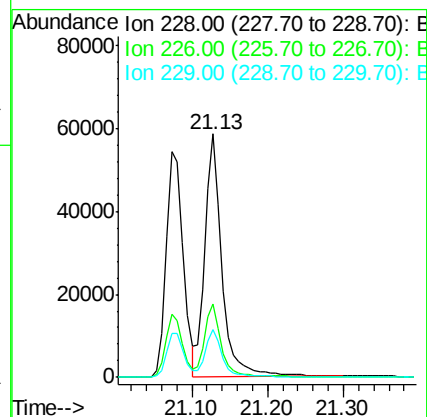
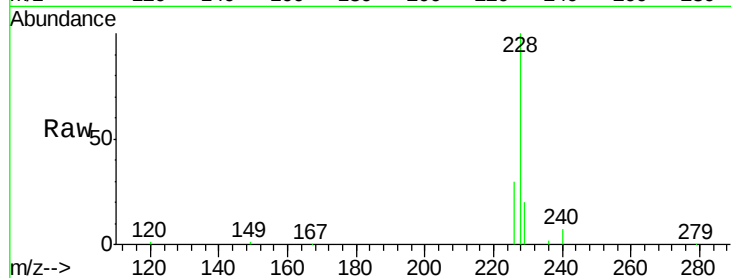
Tgt Ion:228 Resp: 92240

Ion Ratio Lower Upper

228 100

226 30.0 23.1 34.7

229 19.5 15.8 23.8



#30

Bis(2-ethylhexyl)phthalate

Concen: 1.89 ng

RT: 21.02 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

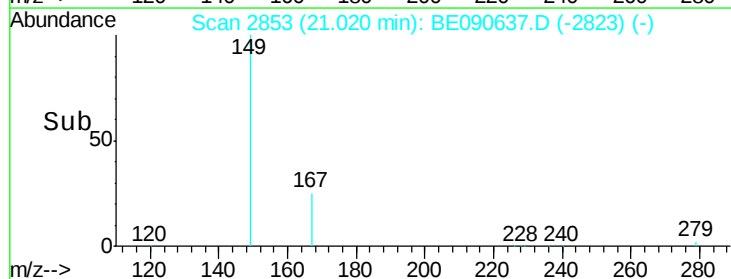
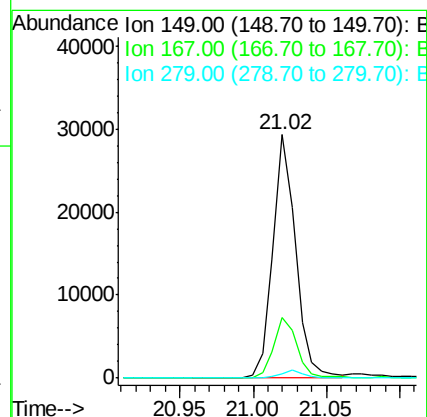
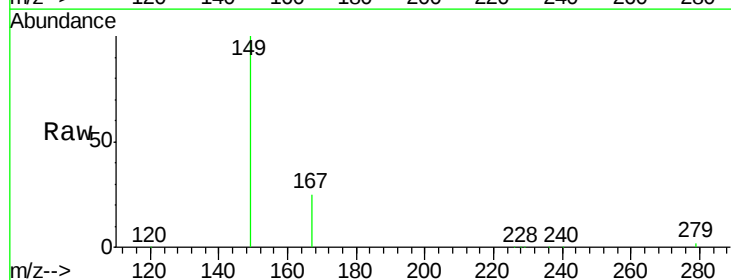
Tgt Ion:149 Resp: 31202

Ion Ratio Lower Upper

149 100

167 25.6 19.8 29.8

279 3.0 2.4 3.6





#31

Indeno(1,2,3-cd)pyrene

Concen: 2.67 ng

RT: 25.78 min Scan# 3827

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

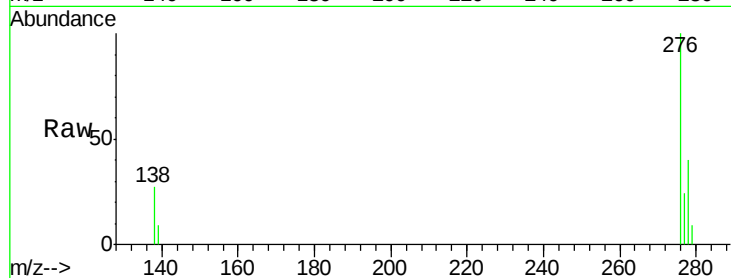
Tgt Ion:276 Resp: 74460

Ion Ratio Lower Upper

276 100

138 29.4 18.8 28.2#

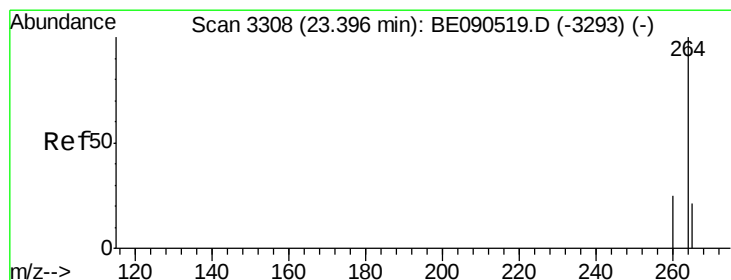
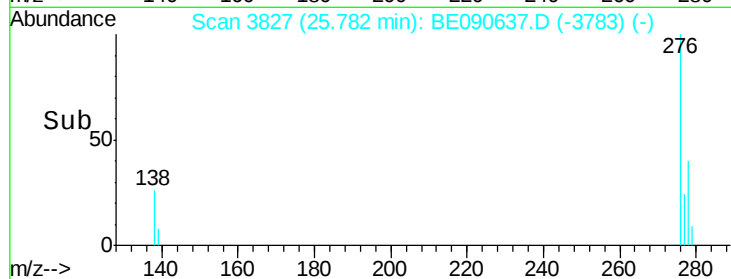
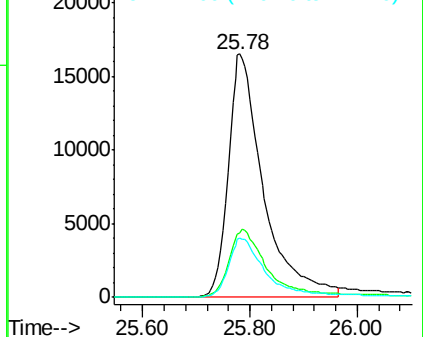
277 24.9 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

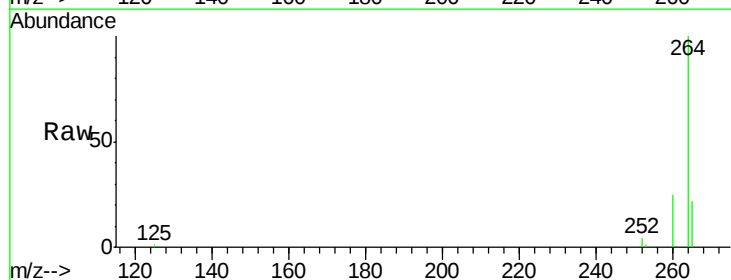
Tgt Ion:264 Resp: 91536

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

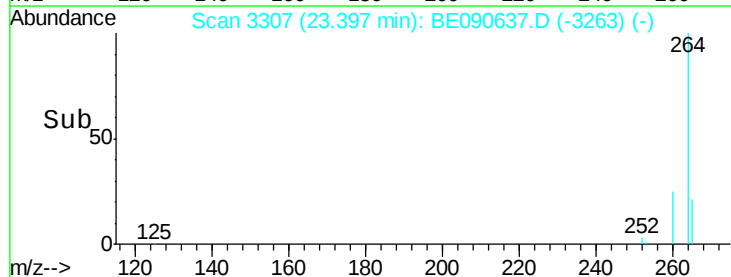
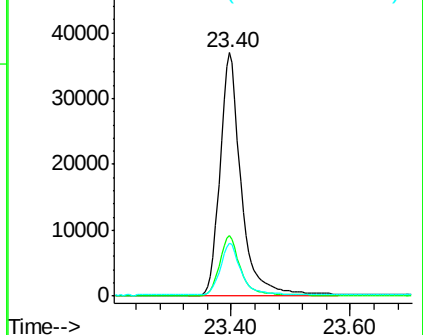
265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 3.30 ng

RT: 22.70 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

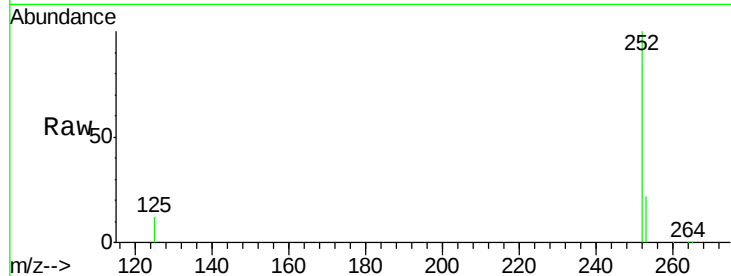
Tgt Ion:252 Resp: 71634

Ion Ratio Lower Upper

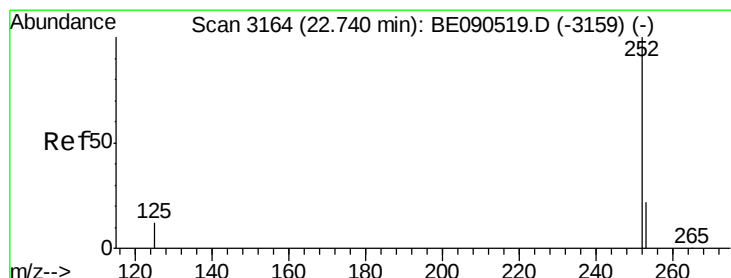
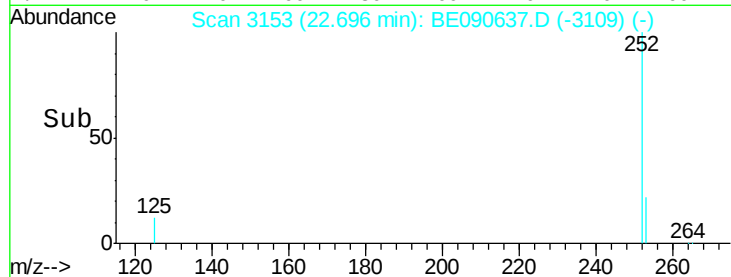
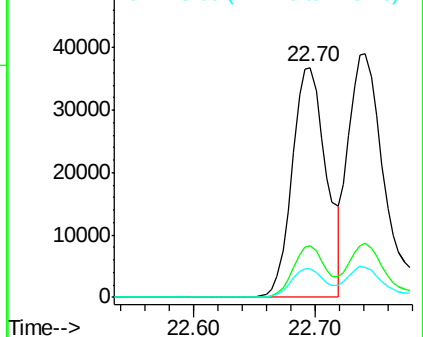
252 100

253 22.5 18.1 27.1

125 12.4 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: 3.43 ng

RT: 22.74 min Scan# 3163

Delta R.T. 0.01 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

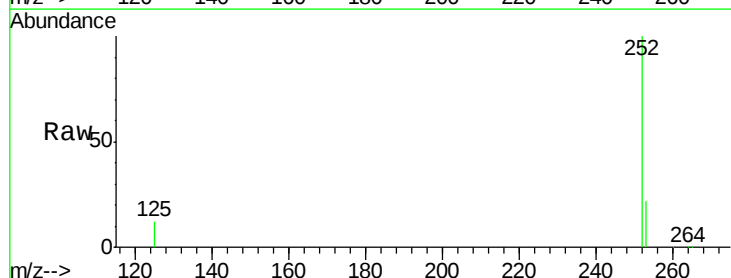
Tgt Ion:252 Resp: 84354

Ion Ratio Lower Upper

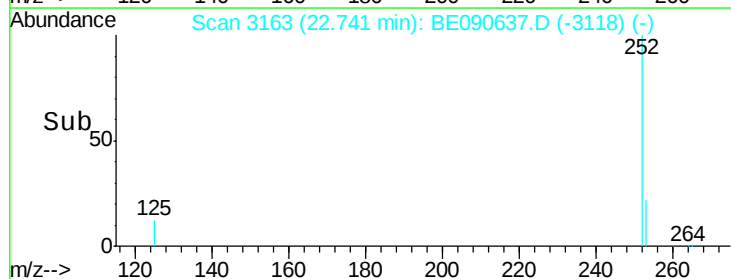
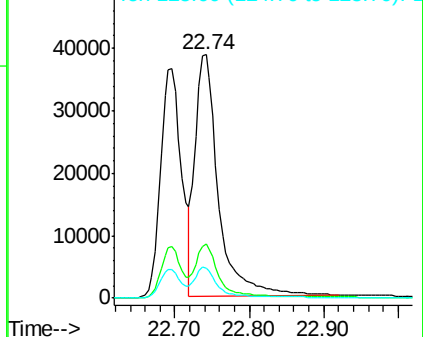
252 100

253 22.2 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: 3.48 ng

RT: 23.29 min Scan# 3284

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS

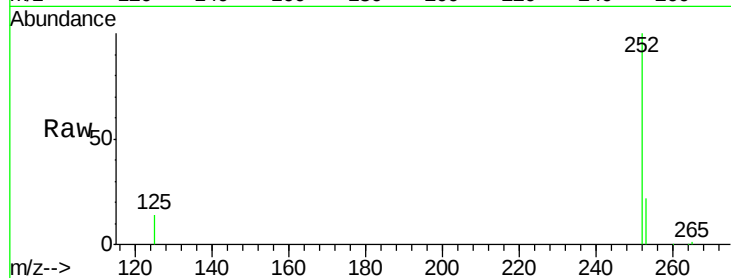
Tgt Ion:252 Resp: 70576

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

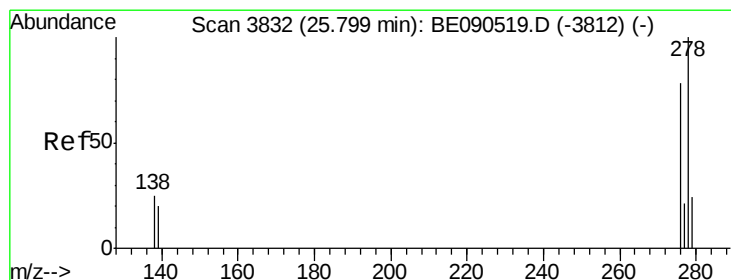
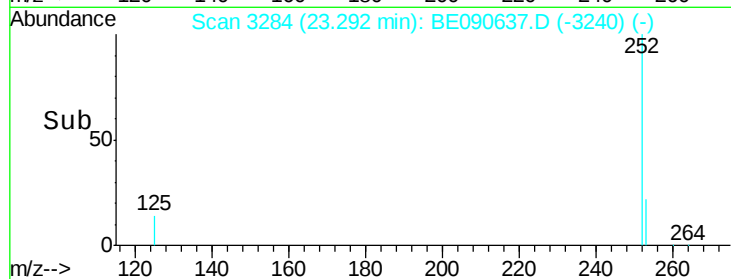
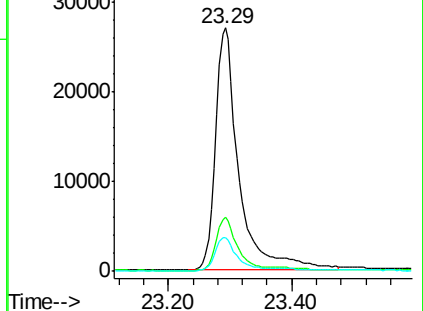
125 14.1 9.8 14.6



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: 3.00 ng

RT: 25.81 min Scan# 3833

Delta R.T. 0.00 min

Lab File: BE090637.D

Acq: 26 Aug 2015 15:03

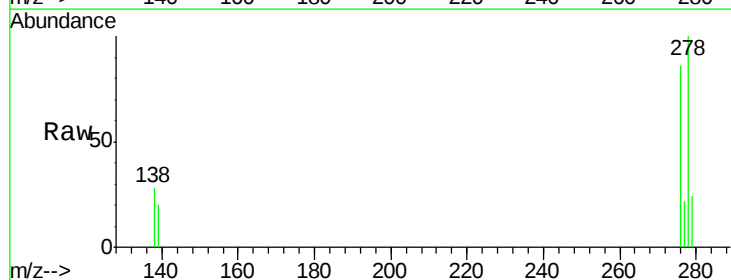
Tgt Ion:278 Resp: 58666

Ion Ratio Lower Upper

278 100

139 19.6 14.2 21.4

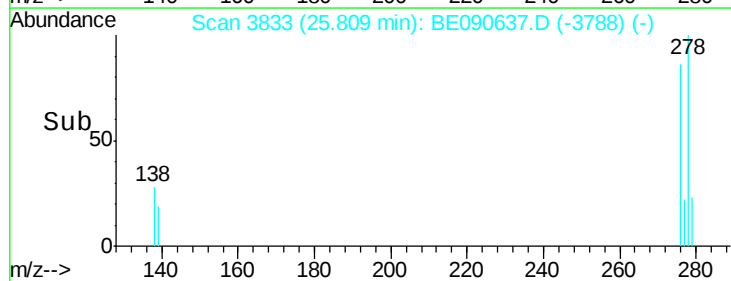
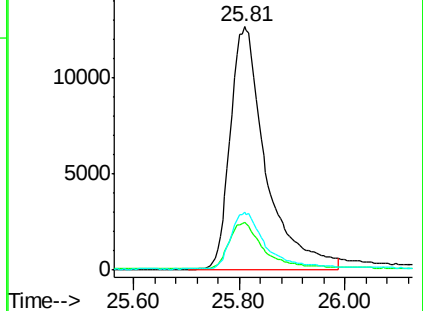
279 23.8 20.1 30.1



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(g,h,i)perylene

Concen: 3.10 ng

RT: 26.52 min Scan# 3988

Delta R.T. 0.00 min

Lab File: BE090637.D

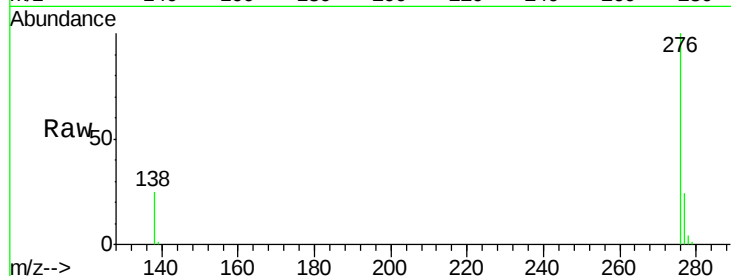
Acq: 26 Aug 2015 15:03

Instrument :

BNA_E

ClientSampleId :

PB85188BS



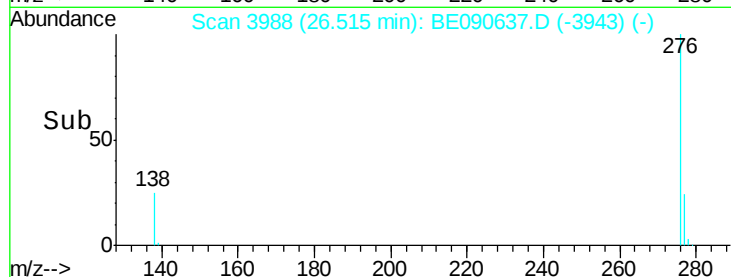
Tgt Ion: 276 Resp: 66244

Ion Ratio Lower Upper

276 100

277 24.1 20.1 30.1

138 25.3 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

