

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090037.D
 Acq On : 1 Jul 2015 8:22
 Operator : TP/IZ
 Sample : G2824-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0640006-150626

Quant Time: Jul 01 17:23:02 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	8	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	31	5.00	ng	-0.01
12) Acenaphthene-d10	14.22	164	17	5.00	ng	-0.01
18) Phenanthrene-d10	16.96	188	32	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	543	5.00	ng	-0.01
32) Perylene-d12	23.44	264	2764	5.00	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	24	13.06	ng	0.02
5) Phenol-d6	6.80	99	30	11.66	ng	0.00
7) Nitrobenzene-d5	8.76	82	2	0.81	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	2	4.01	ng	-0.02
14) 2-Fluorobiphenyl	12.85	172	13	2.54	ng	0.00
27) Terphenyl-d14	19.59	244	27	0.30	ng	0.00

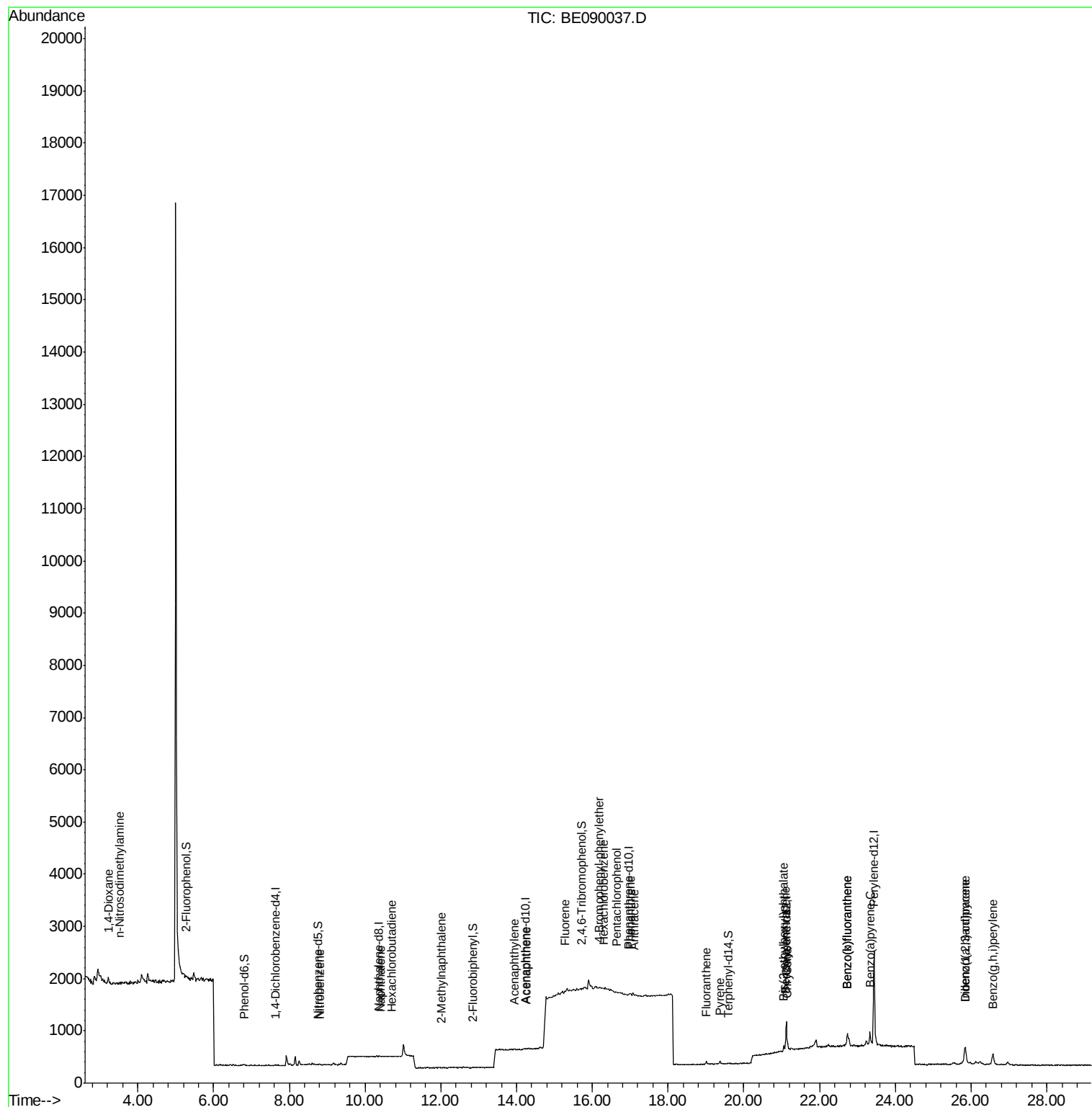
Target Compounds						Qvalue
2) 1,4-Dioxane	3.22	88	24	21.85	ng	# 1
3) n-Nitrosodimethylamine	3.51	42	6	4.03	ng	# 1
8) Nitrobenzene	8.79	77	4	1.53	ng	# 10
9) Naphthalene	10.41	128	9	1.28	ng	# 1
10) Hexachlorobutadiene	10.70	225	2	1.82	ng	# 19
11) 2-Methylnaphthalene	12.03	142	3	0.64	ng	# 51
15) Acenaphthylene	13.94	152	49	1.60	ng	# 76
16) Acenaphthene	14.26	154	2	0.45	ng	# 85
17) Fluorene	15.27	166	18	2.99	ng	# 9
19) 4-Bromophenyl-phenylether	16.18	248	2	1.47	ng	# 1
20) Hexachlorobenzene	16.30	284	21	3.71	ng	# 38
21) Pentachlorophenol	16.63	266	6	8.27	ng	# 56
22) Phenanthrene	17.01	178	47	5.73	ng	# 1
23) Anthracene	17.10	178	11	1.47	ng	# 61
24) Fluoranthene	19.01	202	74	8.08	ng	# 91
26) Pyrene	19.37	202	59	0.46	ng	# 84
28) Benzo(a)anthracene	21.10	228	162	1.19	ng	# 29
29) Chrysene	21.15	228	126	0.89	ng	# 38
30) Bis(2-ethylhexyl)phthalate	21.05	149	121	2.13	ng	# 81
31) Indeno(1,2,3-cd)pyrene	25.84	276	563	4.17	ng	# 97
33) Benzo(b)fluoranthene	22.74	252	426	0.70	ng	# 21
34) Benzo(k)fluoranthene	22.74	252	426	0.63	ng	# 21
35) Benzo(a)pyrene	23.33	252	438	0.78	ng	# 26
36) Dibenzo(a,h)anthracene	25.86	278	247	0.43	ng	# 13
37) Benzo(g,h,i)perylene	26.58	276	505	0.86	ng	# 58

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
Data File : BE090037.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2824-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
X1SS0640006-150626

Quant Time: Jul 01 17:23:02 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 856

Delta R.T. 0.01 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

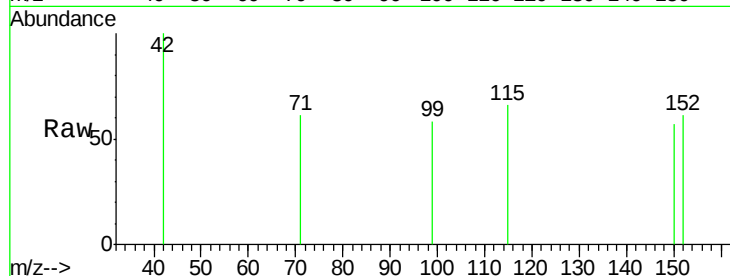
Tgt Ion:152 Resp: 8

Ion Ratio Lower Upper

152 100

150 92.6 123.9 185.9#

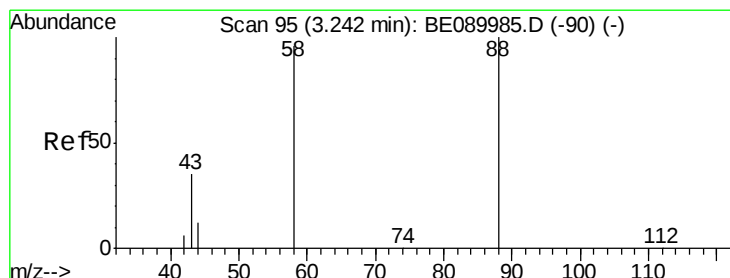
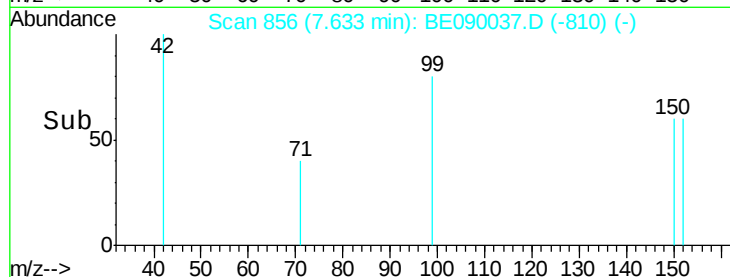
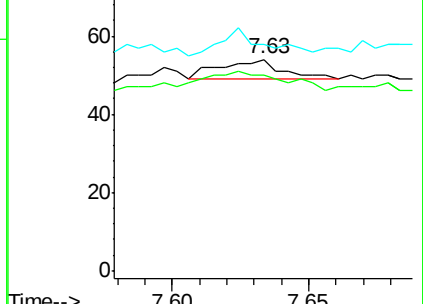
115 107.4 50.6 76.0#



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: 21.85 ng

RT: 3.22 min Scan# 91

Delta R.T. -0.03 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

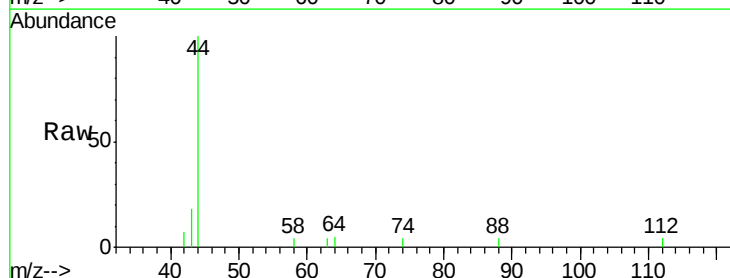
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

58 0.0 70.9 106.3#

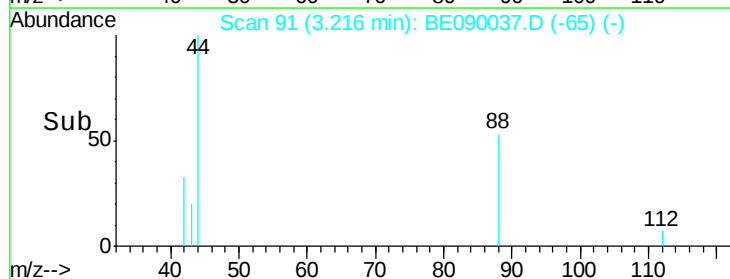
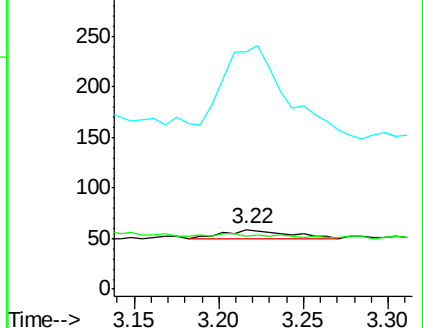
43 1020.8 27.6 41.4#

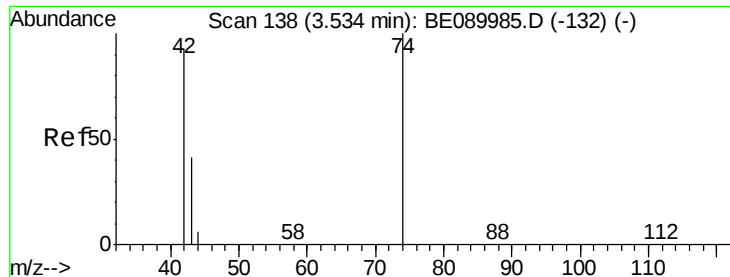


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



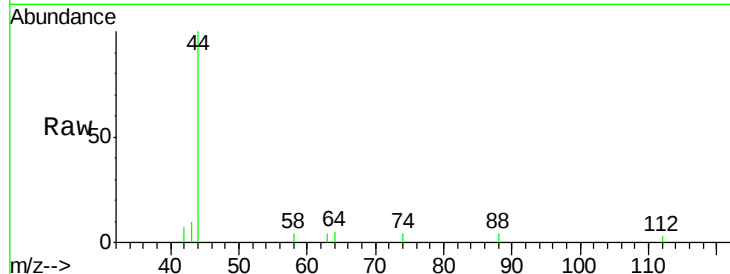


#3

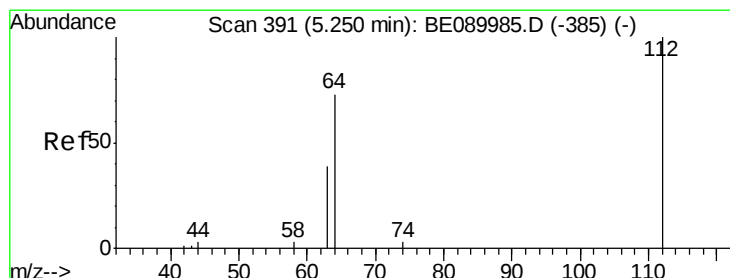
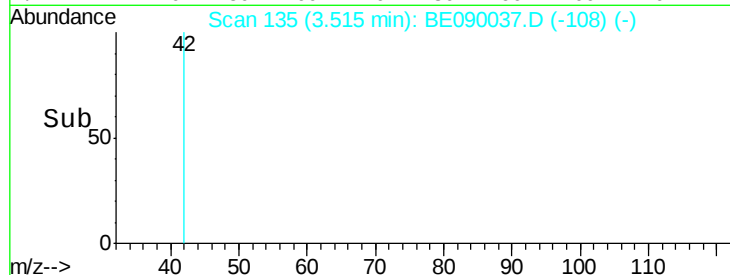
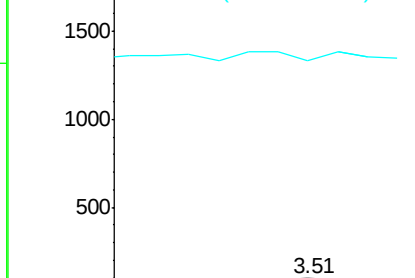
n-Nitrosodimethylamine
 Concen: 4.03 ng
 RT: 3.51 min Scan# 135
 Delta R.T. -0.02 min
 Lab File: BE090037.D
 Acq: 1 Jul 2015 8:22

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0640006-150626

Tgt Ion: 42 Resp: 6
 Ion Ratio Lower Upper
 42 100
 74 0.0 89.4 134.2#
 44 700.0 6.9 10.3#



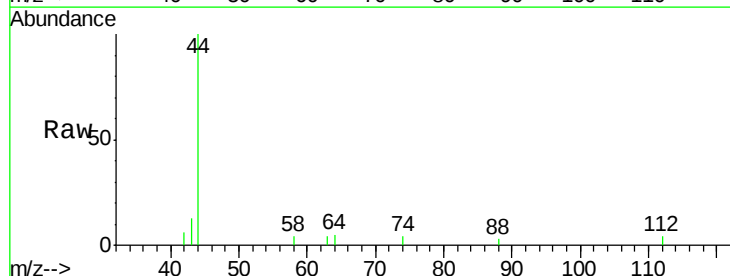
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



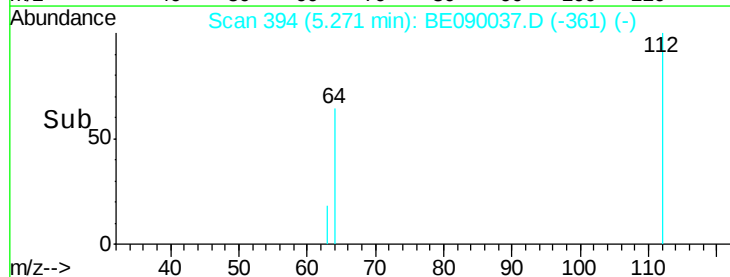
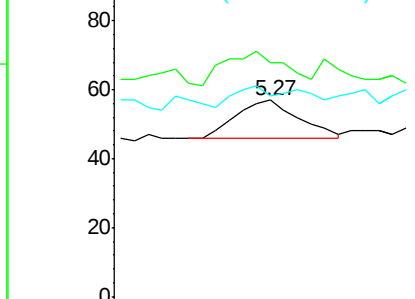
#4

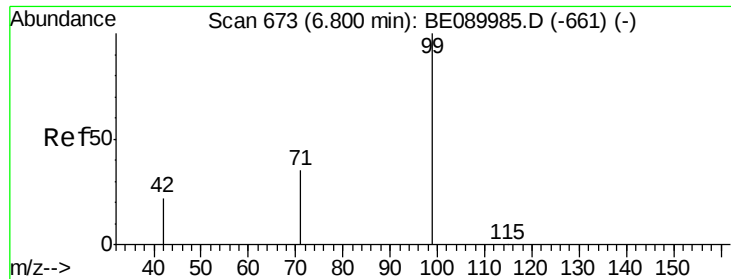
2-Fluorophenol
 Concen: 13.06 ng
 RT: 5.27 min Scan# 394
 Delta R.T. 0.02 min
 Lab File: BE090037.D
 Acq: 1 Jul 2015 8:22

Tgt Ion: 112 Resp: 24
 Ion Ratio Lower Upper
 112 100
 64 87.5 56.3 84.5#
 63 29.2 29.8 44.6#



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: 11.66 ng

RT: 6.80 min Scan# 674

Delta R.T. 0.00 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

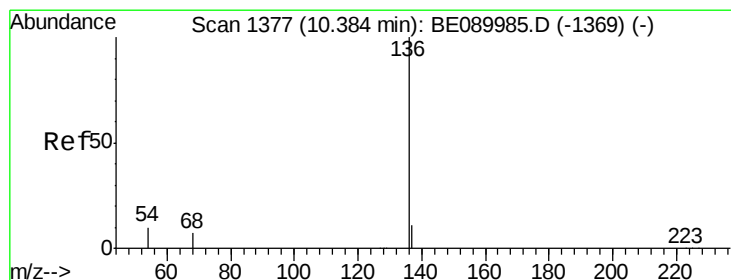
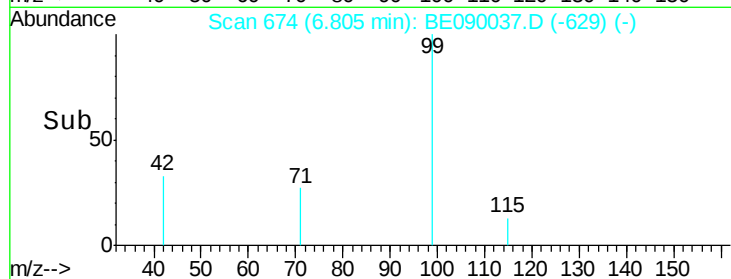
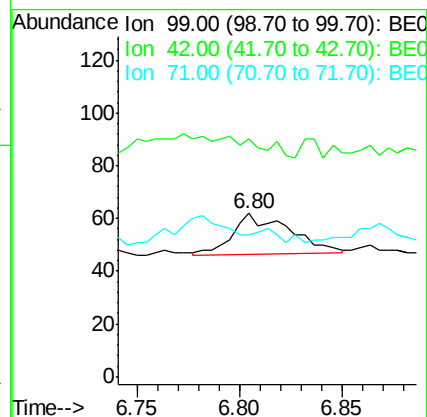
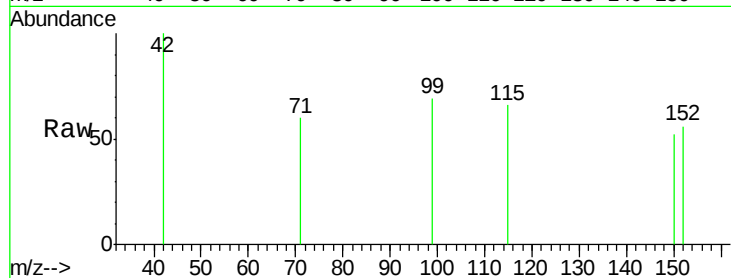
Tgt Ion: 99 Resp: 30

Ion Ratio Lower Upper

99 100

42 0.0 18.7 28.1#

71 0.0 27.5 41.3#



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. -0.01 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Tgt Ion: 136 Resp: 31

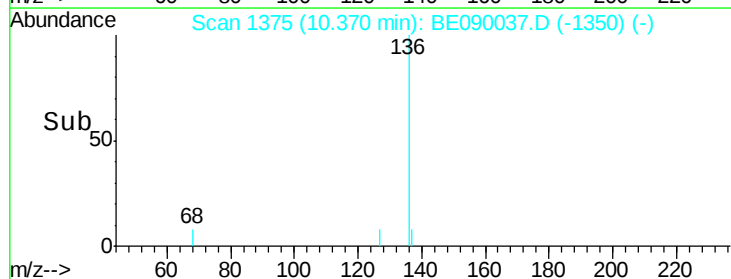
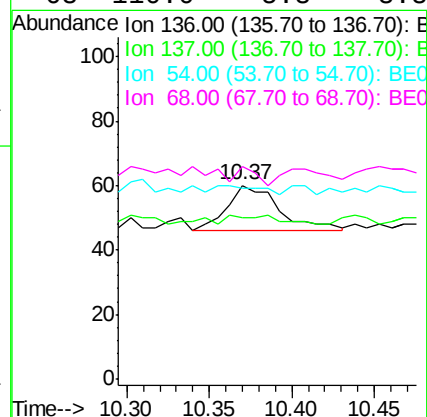
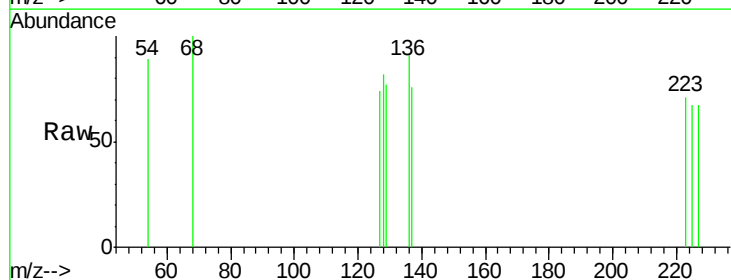
Ion Ratio Lower Upper

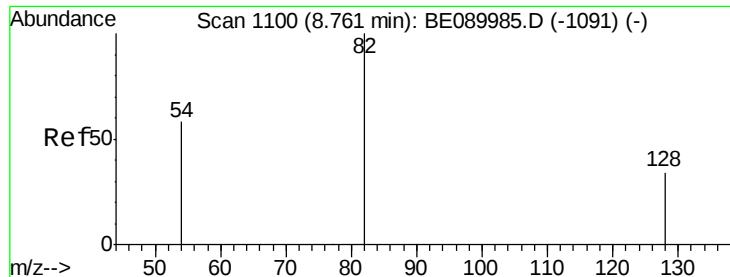
136 100

137 83.3 8.9 13.3#

54 98.3 8.2 12.4#

68 110.0 5.8 8.8#





#7

Nitrobenzene-d5

Concen: 0.81 ng

RT: 8.76 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

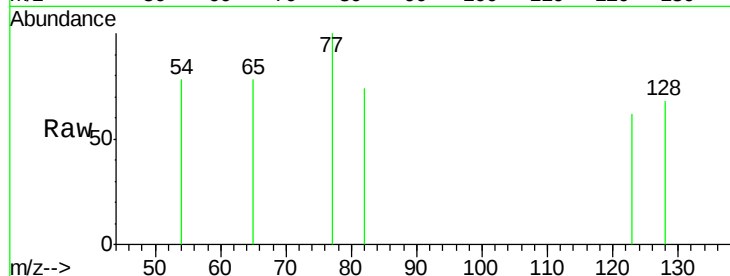
Tgt Ion: 82 Resp: 2

Ion Ratio Lower Upper

82 100

128 91.4 28.0 42.0#

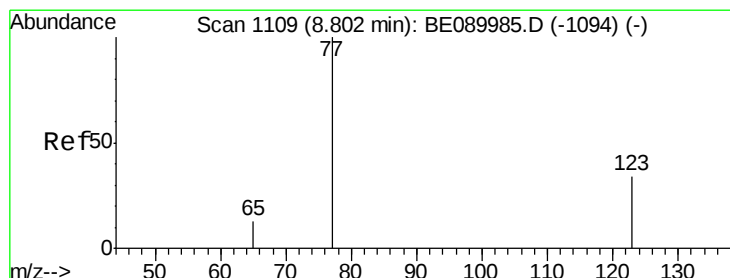
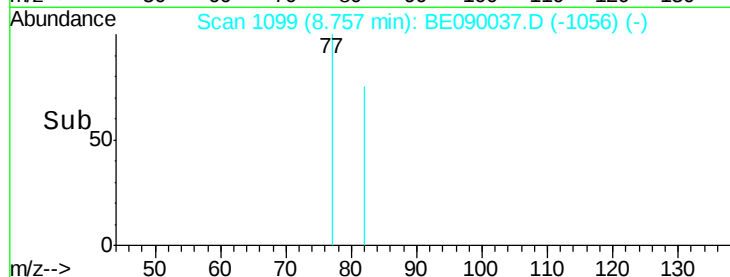
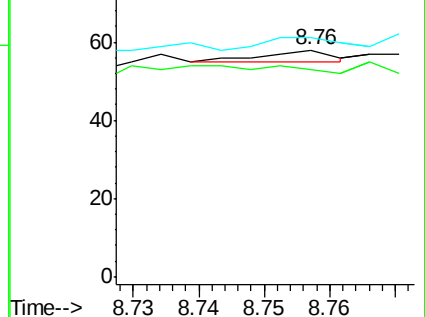
54 105.2 47.6 71.4#



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

Nitrobenzene

Concen: 1.53 ng

RT: 8.79 min Scan# 1107

Delta R.T. -0.01 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

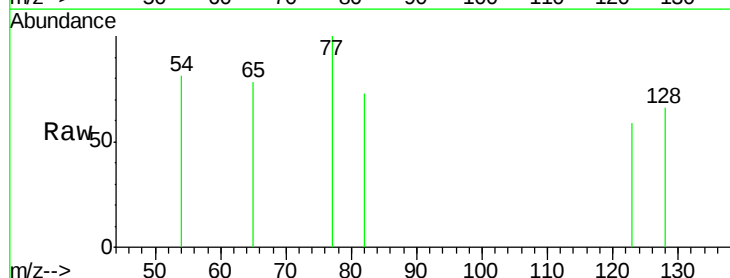
Tgt Ion: 77 Resp: 4

Ion Ratio Lower Upper

77 100

123 25.0 27.4 41.0#

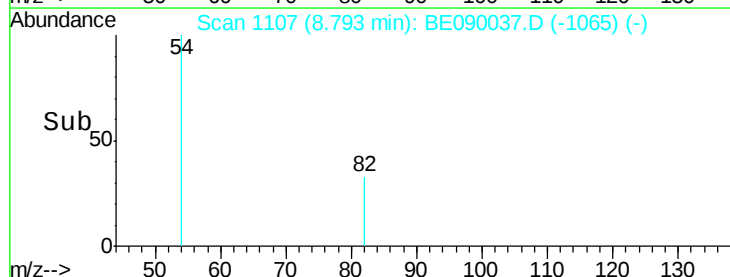
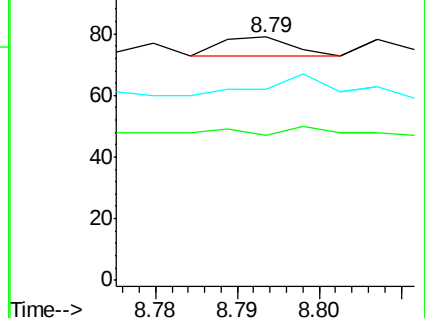
65 125.0 10.6 15.8#



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





#9

Naphthalene

Concen: 1.28 ng

RT: 10.41 min Scan# 1380

Delta R.T. -0.02 min

Lab File: BE090037.D

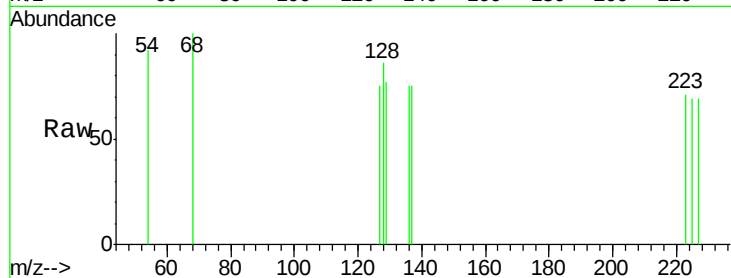
Acq: 1 Jul 2015 8:22

Instrument :

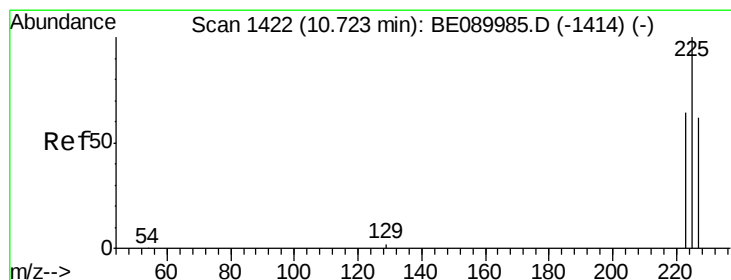
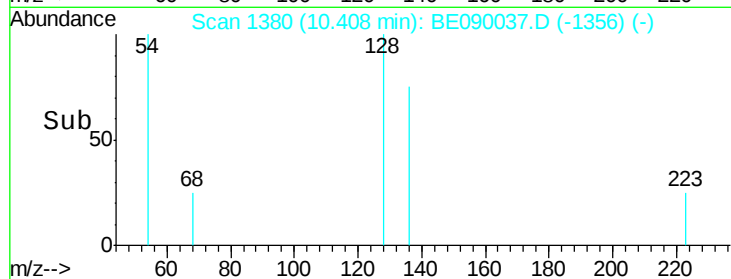
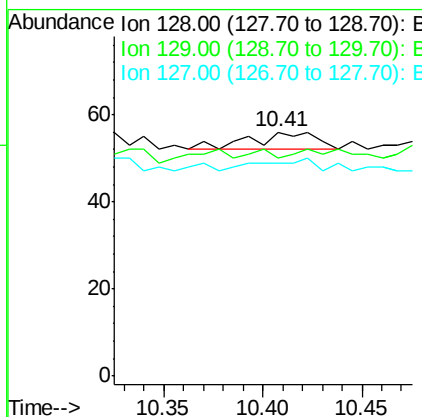
BNA_E

ClientSampleId :

X1SS0640006-150626



Tgt Ion:	128	Resp:	9
Ion	Ratio	Lower	Upper
128	100		
129	89.3	9.3	13.9#
127	87.5	10.2	15.4#



#10

Hexachlorobutadiene

Concen: 1.82 ng

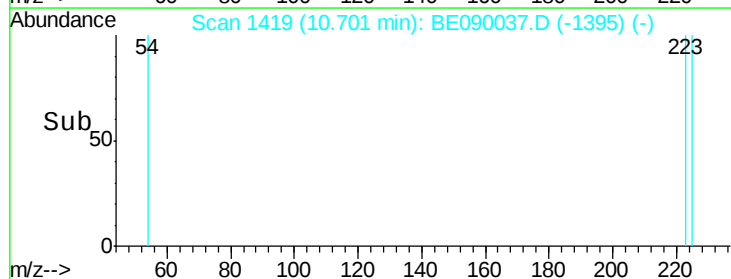
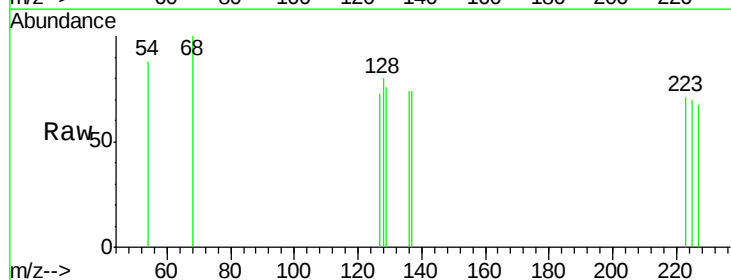
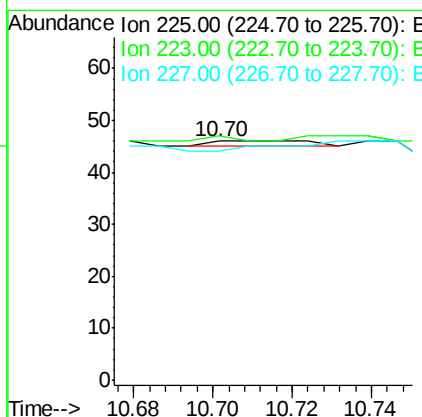
RT: 10.70 min Scan# 1419

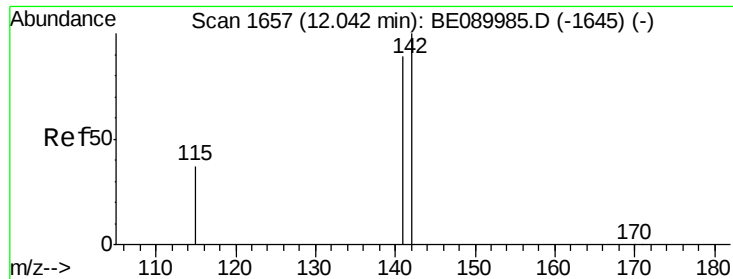
Delta R.T. -0.02 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Tgt Ion:	225	Resp:	2
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.1	75.1#
227	0.0	50.9	76.3#

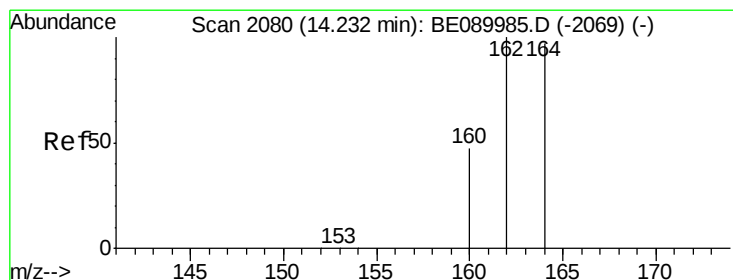
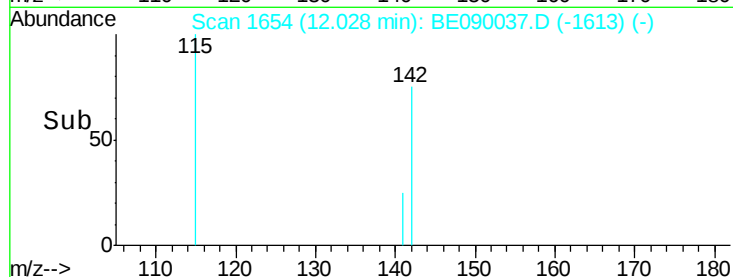
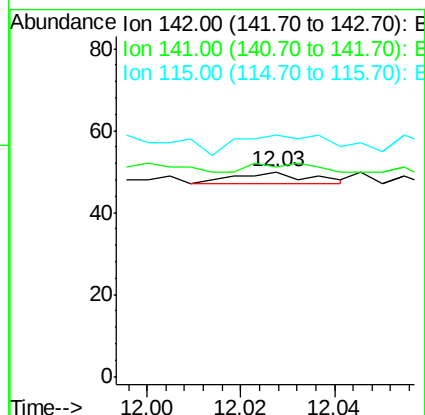
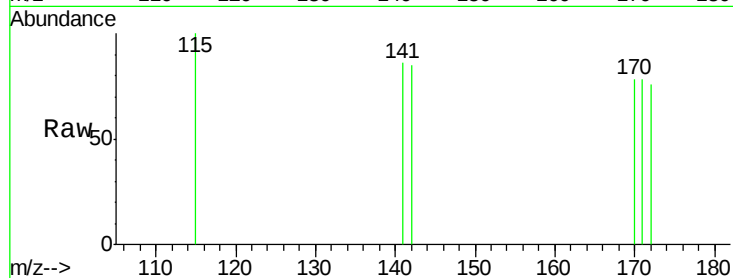




#11
2-Methylnaphthalene
Concen: 0.64 ng
RT: 12.03 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BE090037.D
Acq: 1 Jul 2015 8:22

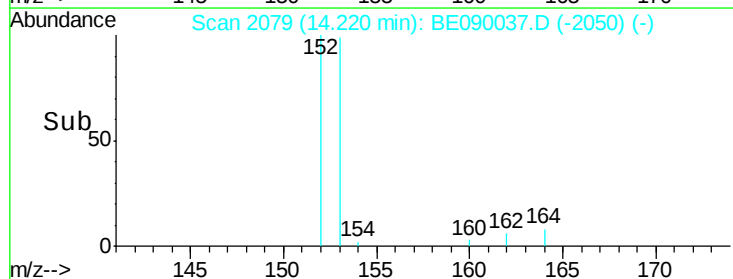
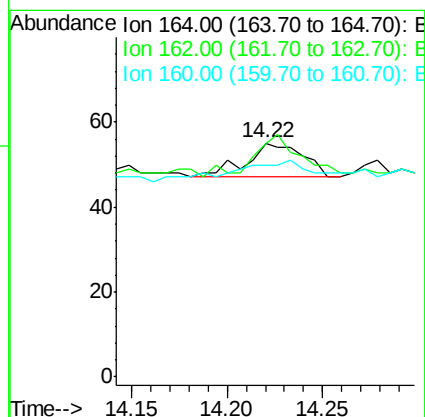
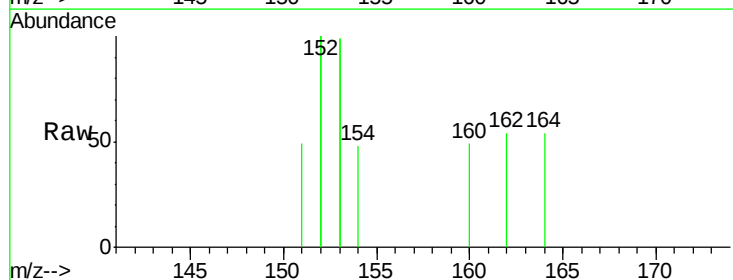
Instrument :
BNA_E
ClientSampleId :
X1SS0640006-150626

Tgt Ion:142 Resp: 3
Ion Ratio Lower Upper
142 100
141 102.0 71.3 106.9
115 118.0 30.4 45.6#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.22 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090037.D
Acq: 1 Jul 2015 8:22

Tgt Ion:164 Resp: 17
Ion Ratio Lower Upper
164 100
162 100.0 82.2 123.4
160 90.9 39.0 58.6#

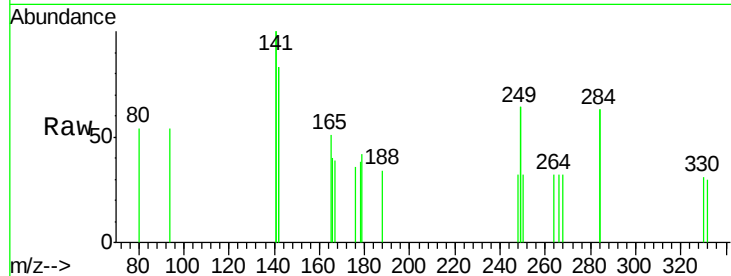




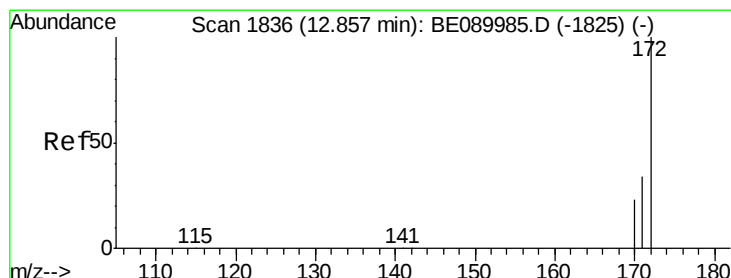
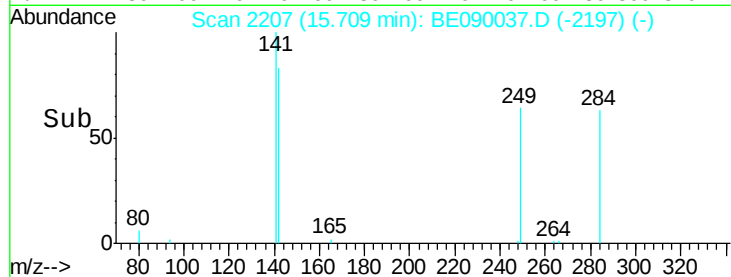
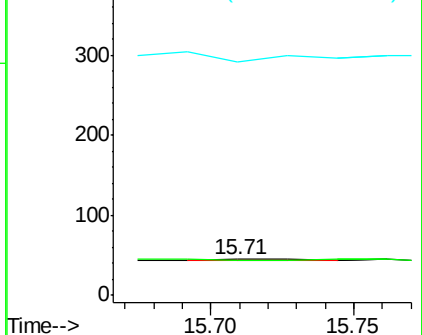
#13
 2,4,6-Tribromophenol
 Concen: 4.01 ng
 RT: 15.71 min Scan# 2207
 Delta R.T. -0.02 min
 Lab File: BE090037.D
 Acq: 1 Jul 2015 8:22

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0640006-150626

Tgt Ion: 330 Resp: 2
 Ion Ratio Lower Upper
 330 100
 332 250.0 76.4 114.6#
 141 4600.0 130.3 195.5#

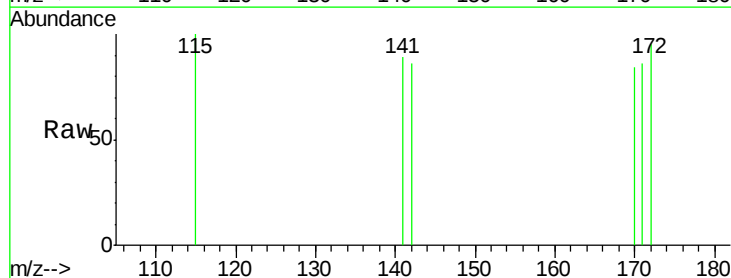


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

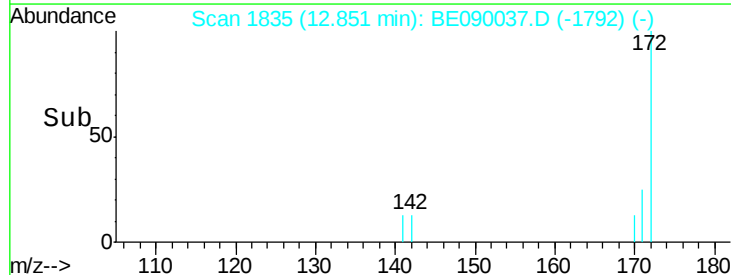
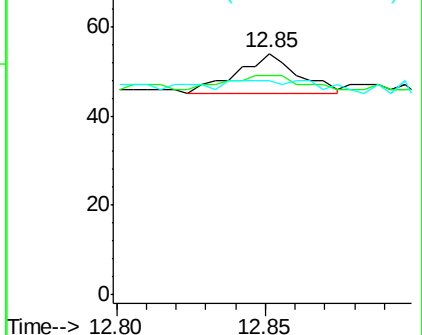


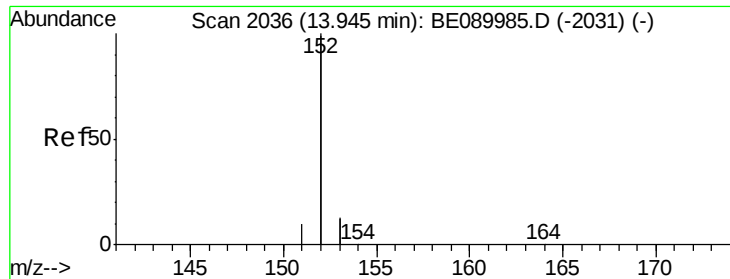
#14
 2-Fluorobiphenyl
 Concen: 2.54 ng
 RT: 12.85 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BE090037.D
 Acq: 1 Jul 2015 8:22

Tgt Ion: 172 Resp: 13
 Ion Ratio Lower Upper
 172 100
 171 90.7 27.8 41.6#
 170 88.9 18.3 27.5#



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: 1.60 ng

RT: 13.94 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

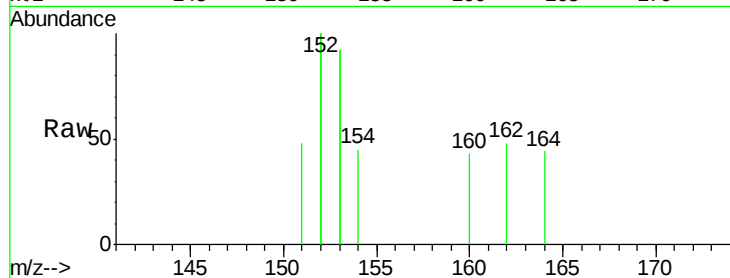
Tgt Ion:152 Resp: 49

Ion Ratio Lower Upper

152 100

151 4.1 3.9 5.9

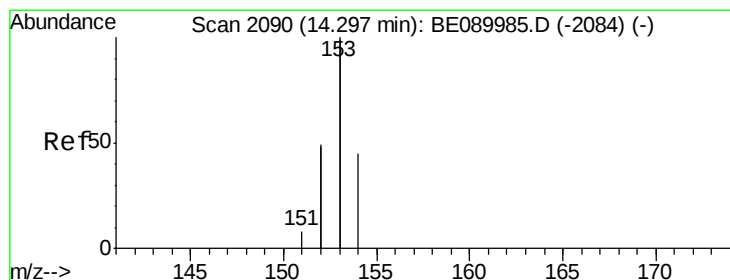
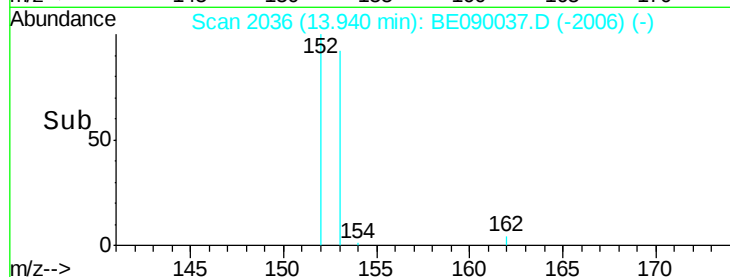
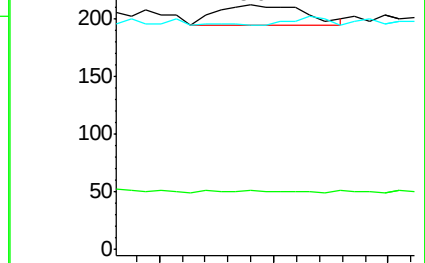
153 0.0 10.4 15.6#



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: 0.45 ng

RT: 14.26 min Scan# 2085

Delta R.T. -0.04 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

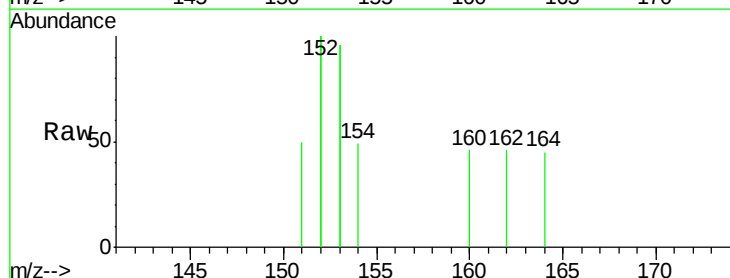
Tgt Ion:154 Resp: 2

Ion Ratio Lower Upper

154 100

153 400.0 358.6 538.0

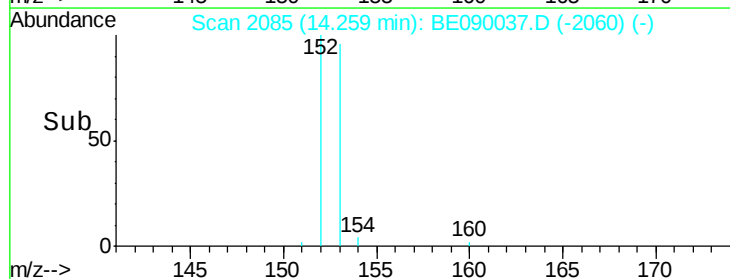
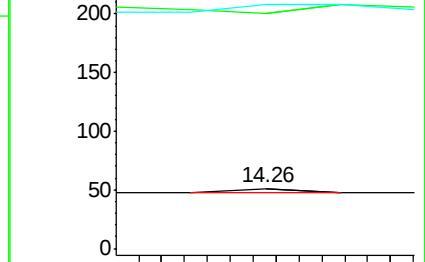
152 250.0 189.6 284.4

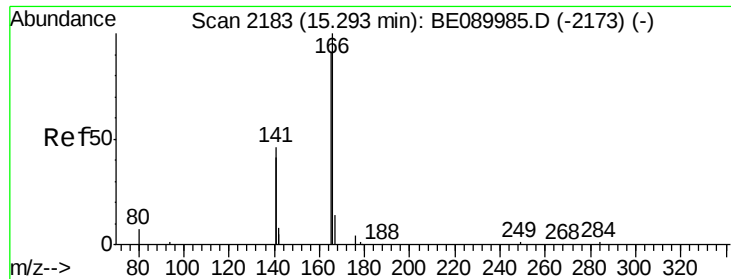


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 2.99 ng

RT: 15.27 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

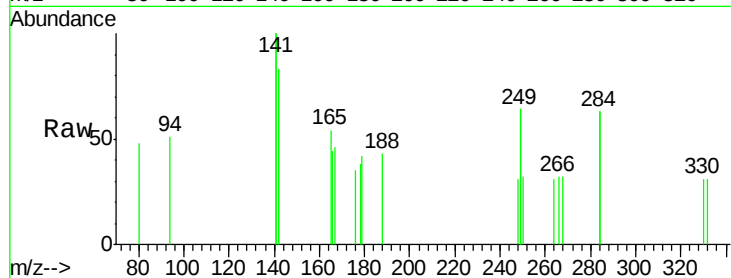
Tgt Ion:166 Resp: 18

Ion Ratio Lower Upper

166 100

165 0.0 79.0 118.6#

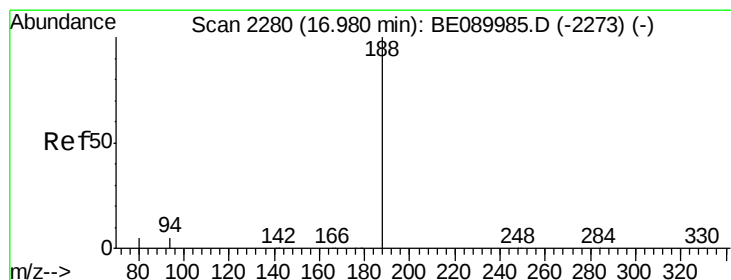
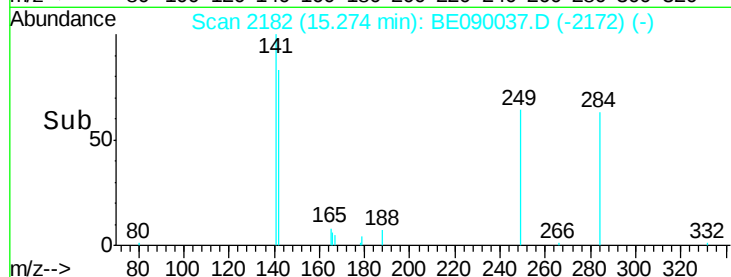
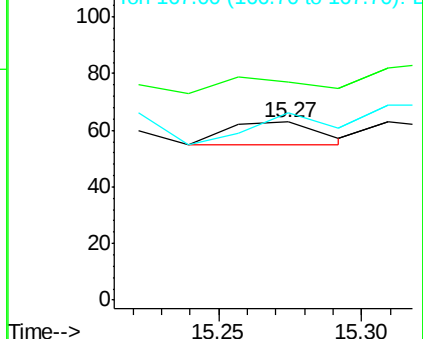
167 0.0 11.8 17.8#



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: 16.96 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

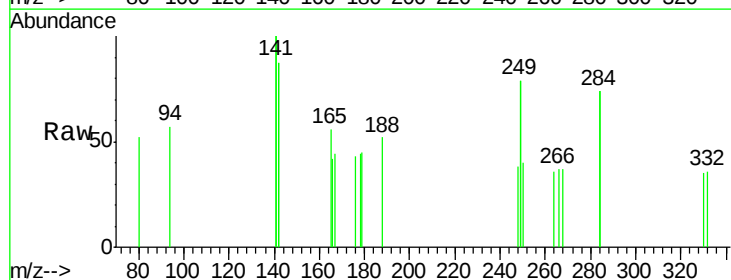
Tgt Ion:188 Resp: 32

Ion Ratio Lower Upper

188 100

94 110.9 4.1 6.1#

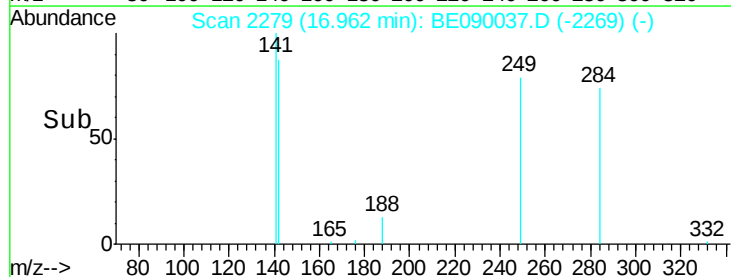
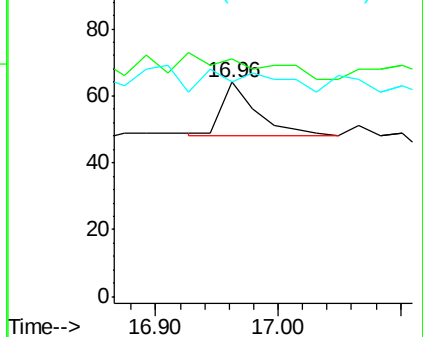
80 100.0 4.2 6.2#



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: 1.47 ng

RT: 16.18 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

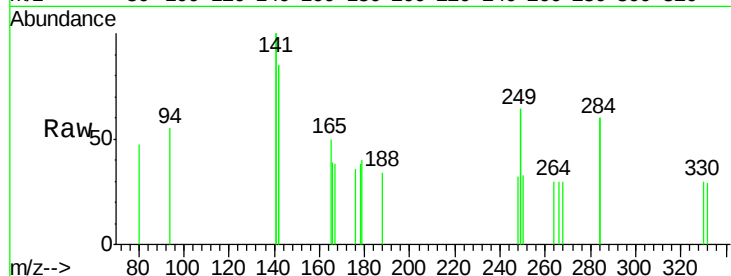
Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

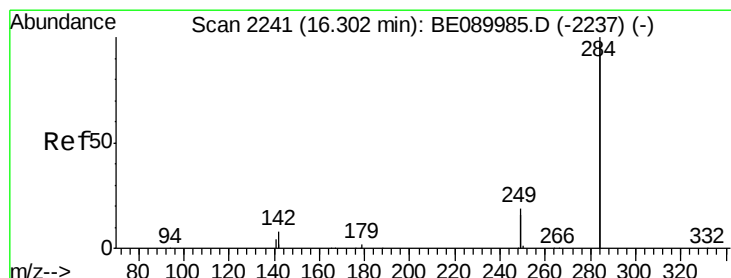
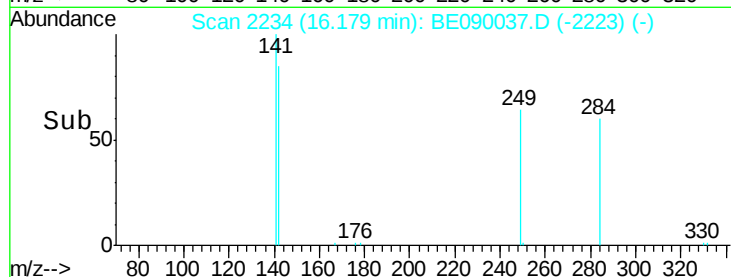
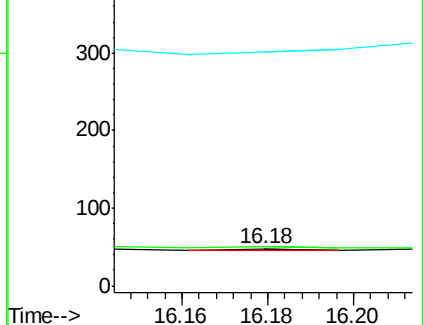
Tgt Ion:	248	Resp:	2
Ion	Ratio	Lower	Upper
248	100		
250	0.0	78.3	117.5#
141	0.0	248.1	372.1#



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: 3.71 ng

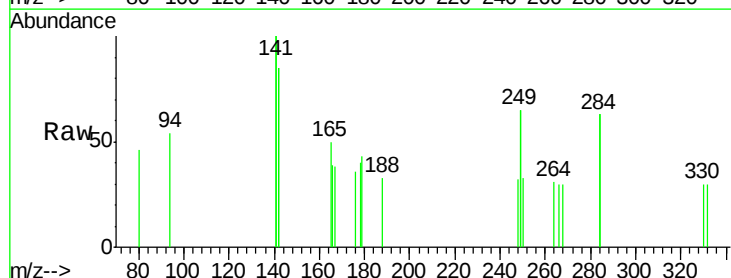
RT: 16.30 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

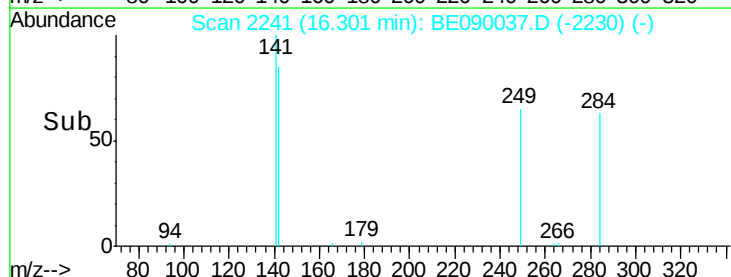
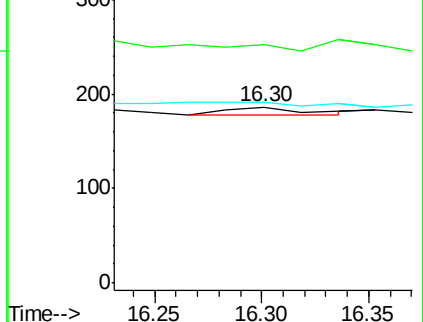
Tgt Ion:	284	Resp:	21
Ion	Ratio	Lower	Upper
284	100		
142	0.0	32.6	49.0#
249	0.0	25.5	38.3#

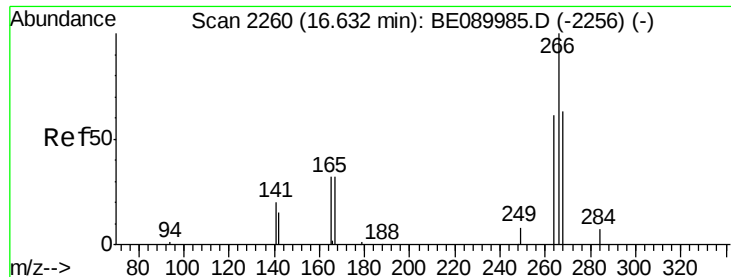


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

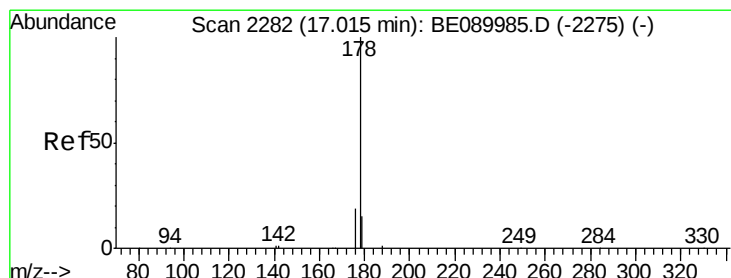
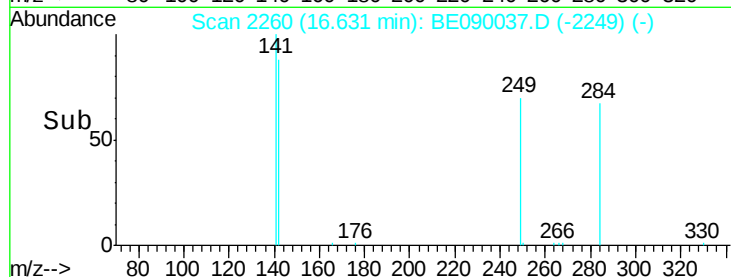
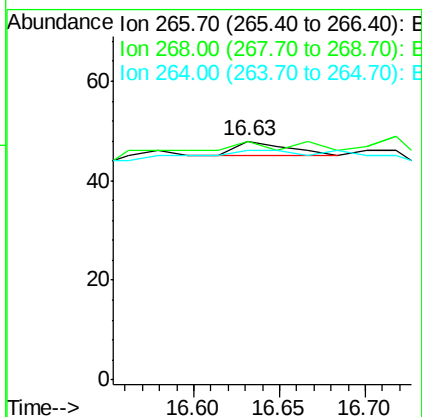
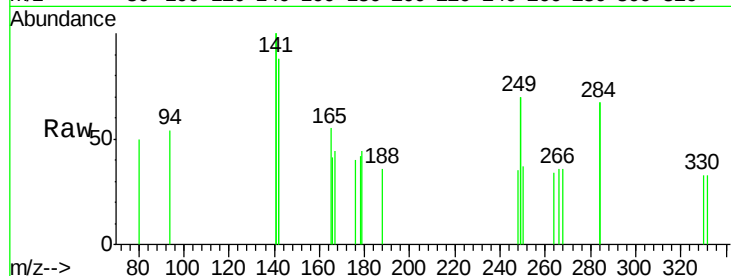




#21
 Pentachlorophenol
 Concen: 8.27 ng
 RT: 16.63 min Scan# 2260
 Delta R.T. -0.00 min
 Lab File: BE090037.D
 Acq: 1 Jul 2015 8:22

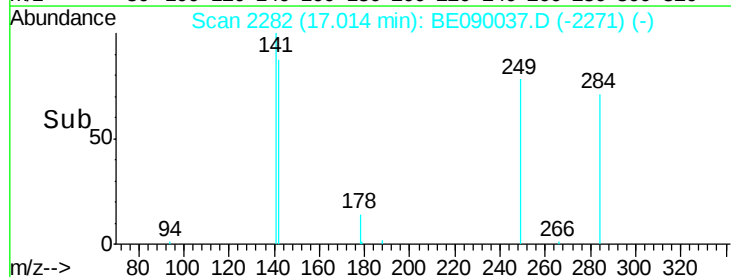
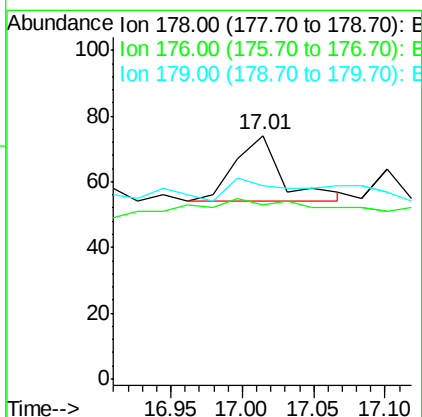
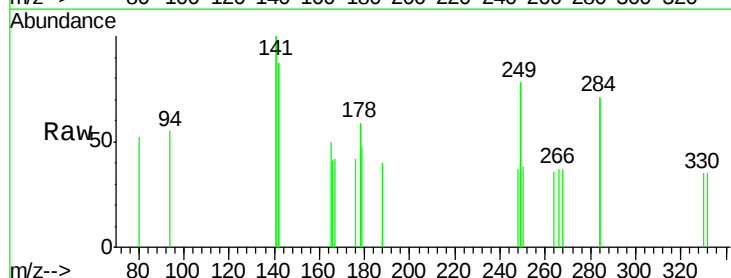
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0640006-150626

Tgt Ion: 266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 268 100.0 51.8 77.8#
 264 95.8 50.2 75.2#



#22
 Phenanthrene
 Concen: 5.73 ng
 RT: 17.01 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BE090037.D
 Acq: 1 Jul 2015 8:22

Tgt Ion: 178 Resp: 47
 Ion Ratio Lower Upper
 178 100
 176 83.0 15.3 22.9#
 179 36.2 12.4 18.6#





#23

Anthracene

Concen: 1.47 ng

RT: 17.10 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

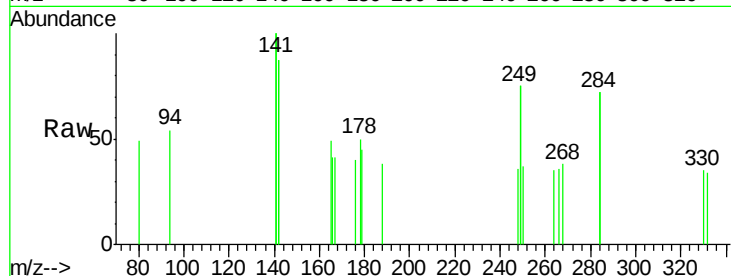
Tgt Ion:178 Resp: 11

Ion Ratio Lower Upper

178 100

176 0.0 14.7 22.1#

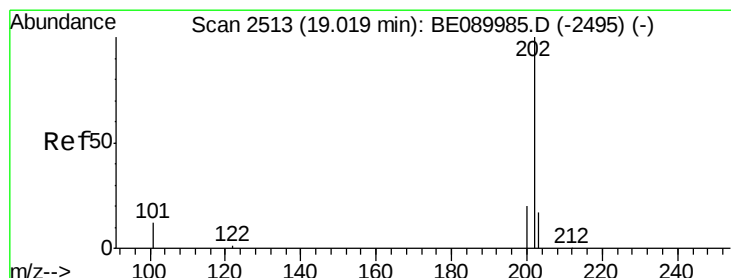
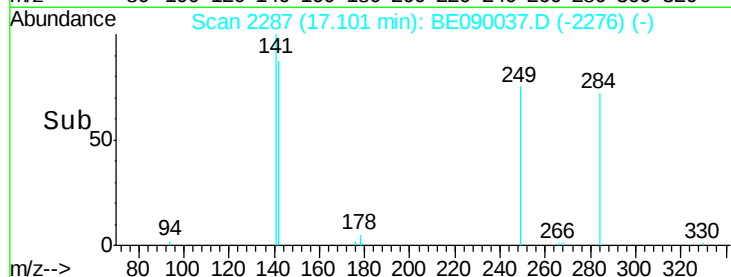
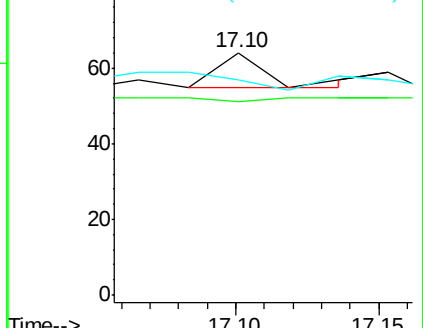
179 0.0 12.1 18.1#



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: 8.08 ng

RT: 19.01 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

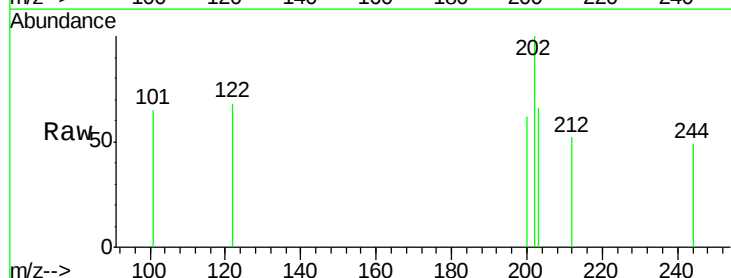
Tgt Ion:202 Resp: 74

Ion Ratio Lower Upper

202 100

101 16.2 10.6 15.8#

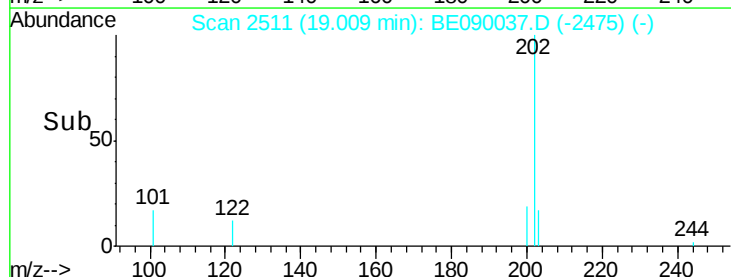
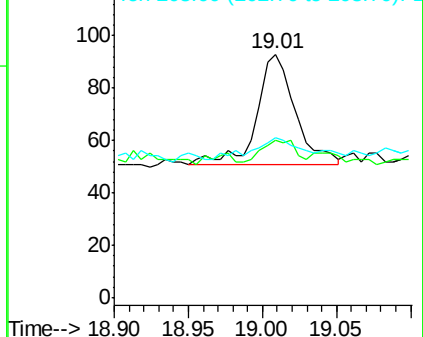
203 21.6 13.8 20.6#



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: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

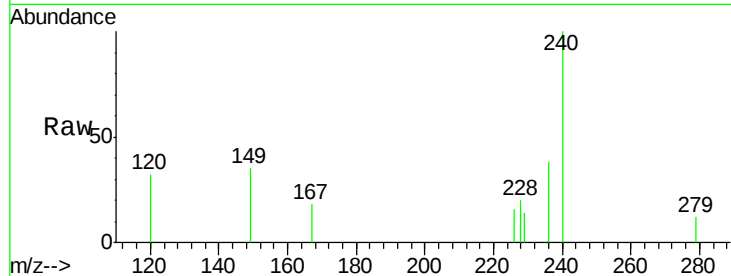
Tgt Ion:240 Resp: 543

Ion Ratio Lower Upper

240 100

120 32.1 6.9 10.3#

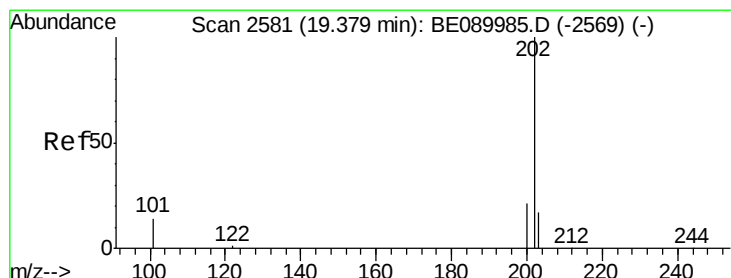
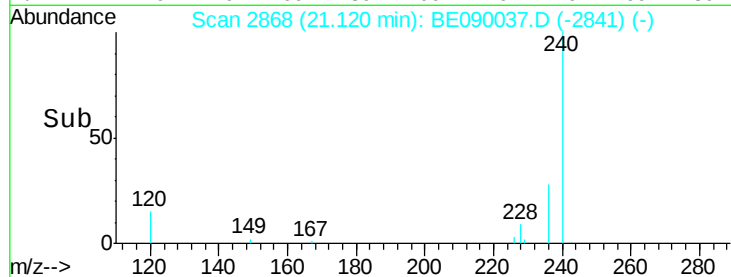
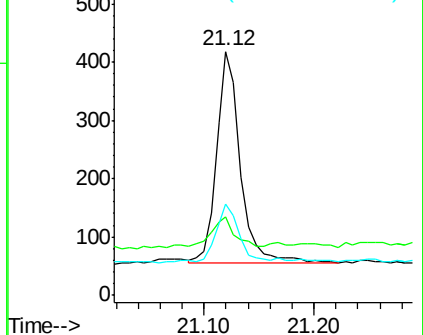
236 37.6 20.8 31.2#



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: 0.46 ng

RT: 19.37 min Scan# 2580

Delta R.T. -0.00 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

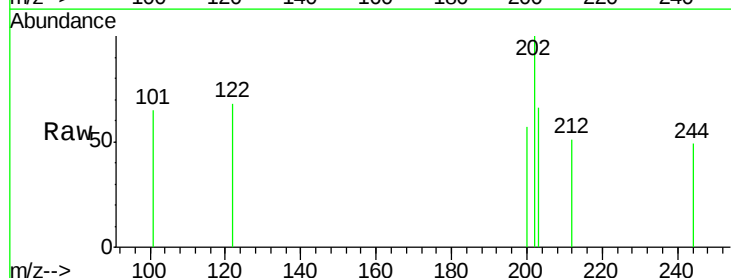
Tgt Ion:202 Resp: 59

Ion Ratio Lower Upper

202 100

200 28.8 16.8 25.2#

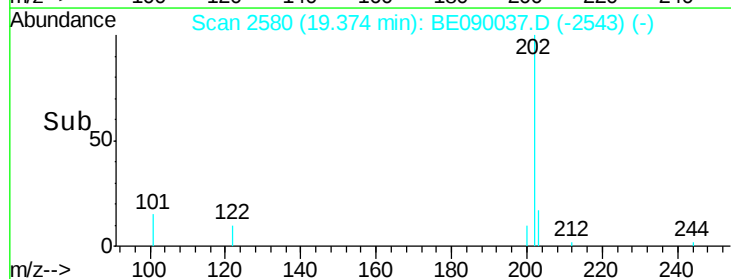
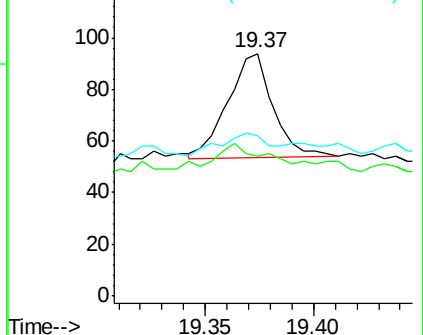
203 23.7 13.9 20.9#



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

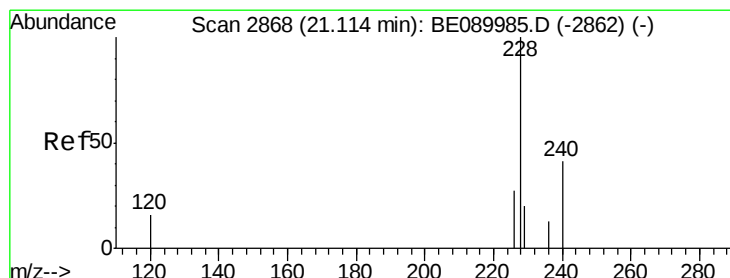
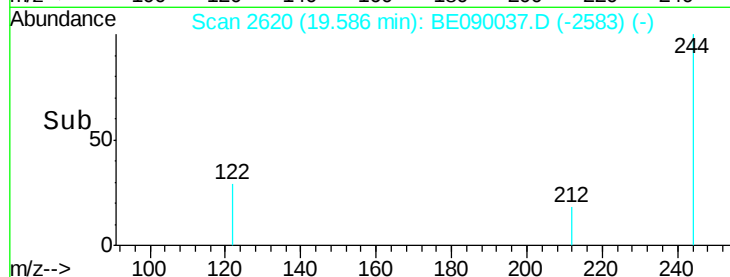
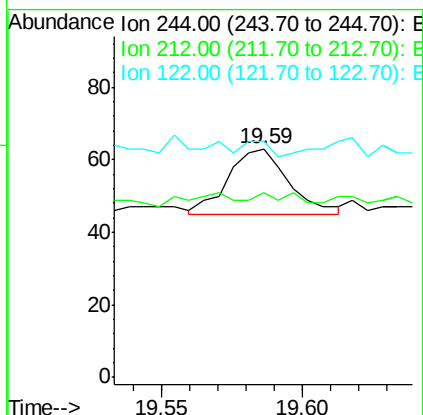
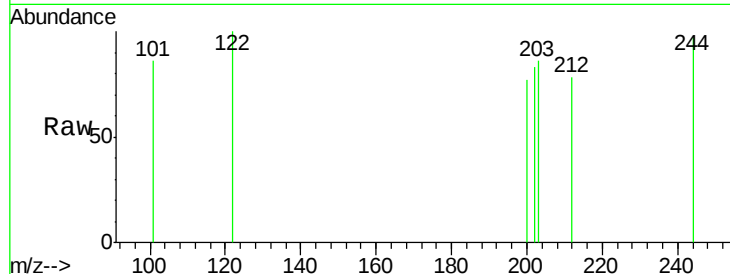




#27
 Terphenyl-d14
 Concen: 0.30 ng
 RT: 19.59 min Scan# 2620
 Delta R.T. -0.00 min
 Lab File: BE090037.D
 Acq: 1 Jul 2015 8:22

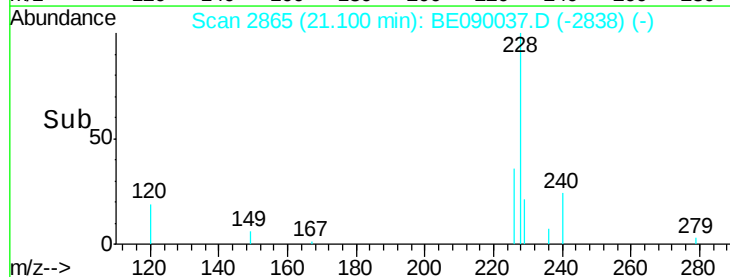
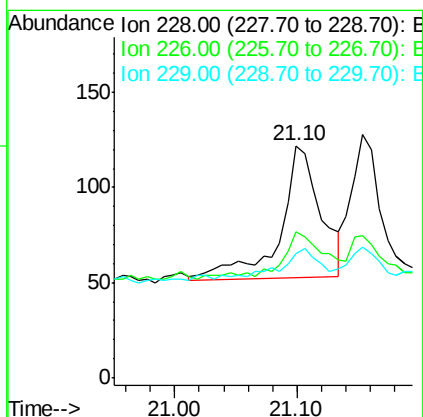
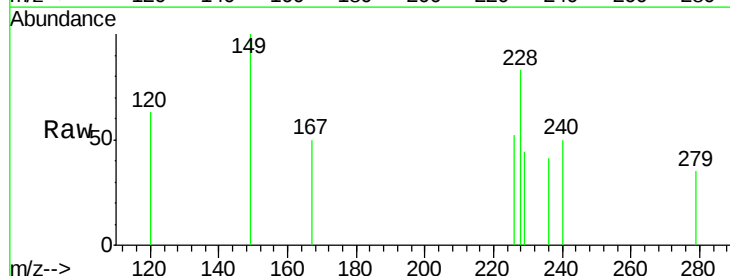
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0640006-150626

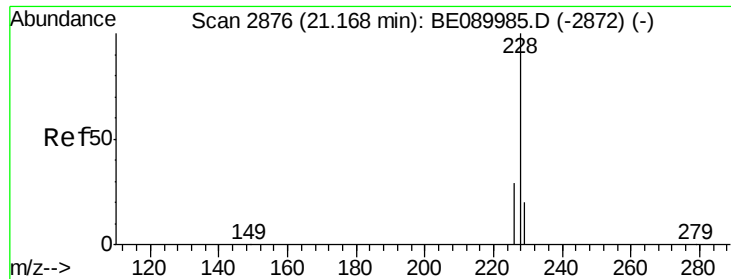
Tgt Ion:244 Resp: 27
 Ion Ratio Lower Upper
 244 100
 212 81.0 6.6 9.8#
 122 103.2 9.8 14.8#



#28
 Benzo(a)anthracene
 Concen: 1.19 ng
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090037.D
 Acq: 1 Jul 2015 8:22

Tgt Ion:228 Resp: 162
 Ion Ratio Lower Upper
 228 100
 226 63.1 21.8 32.6#
 229 53.3 15.8 23.6#





#29

Chrysene

Concen: 0.89 ng

RT: 21.15 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

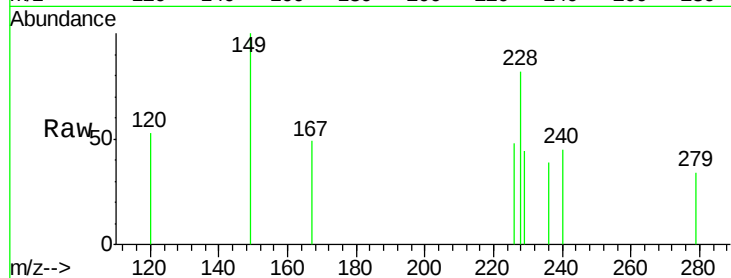
Tgt Ion: 228 Resp: 126

Ion Ratio Lower Upper

228 100

226 58.6 23.4 35.0#

229 53.9 16.2 24.2#



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

21.15

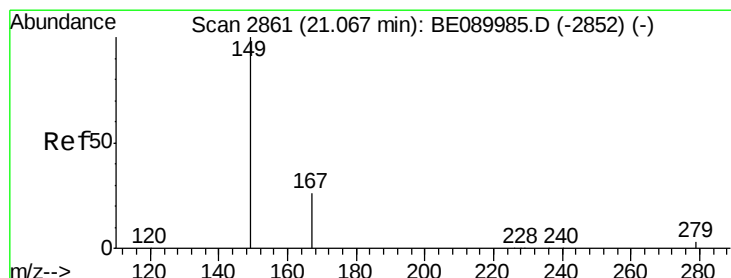
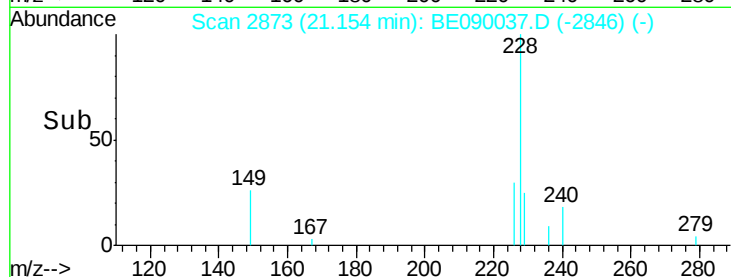
100

50

0

21.10 21.15 21.20 21.25

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 2.13 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

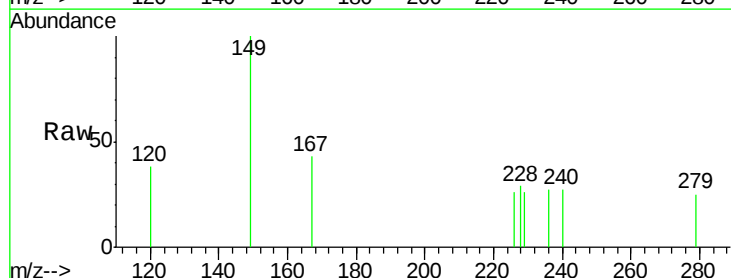
Tgt Ion: 149 Resp: 121

Ion Ratio Lower Upper

149 100

167 34.7 20.3 30.5#

279 10.7 2.6 3.8#



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

21.05

200

150

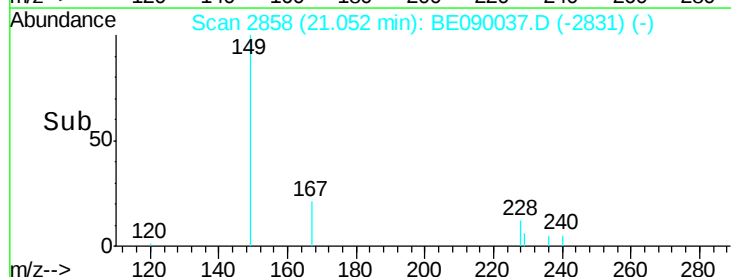
100

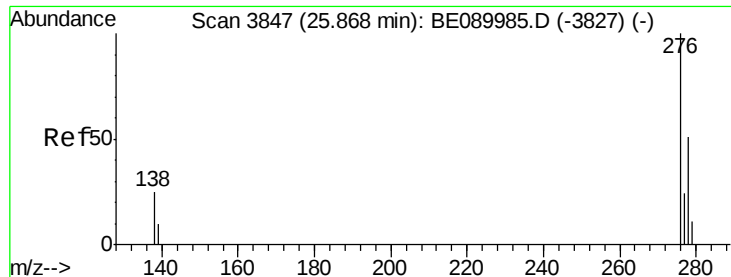
50

0

21.00 21.05

Time-->





#31

Indeno(1,2,3-cd)pyrene

Concen: 4.17 ng

RT: 25.84 min Scan# 3840

Delta R.T. -0.03 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

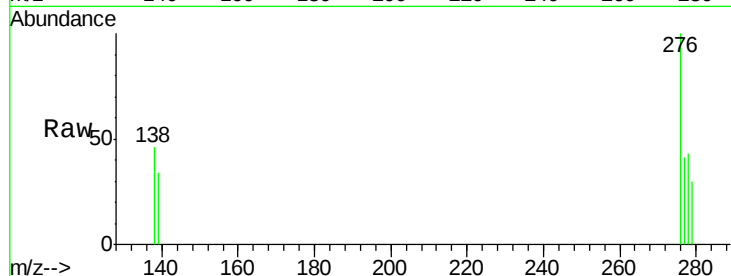
Tgt Ion:276 Resp: 563

Ion Ratio Lower Upper

276 100

138 28.4 21.3 31.9

277 25.6 19.7 29.5



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

25.84

250

150

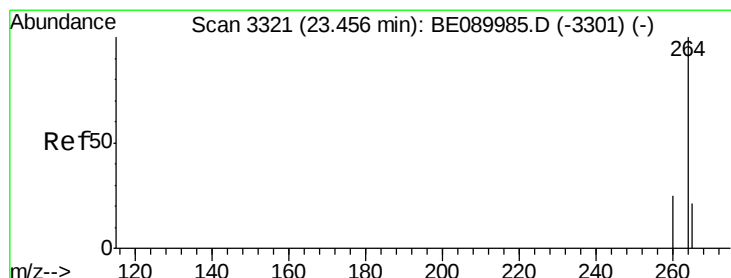
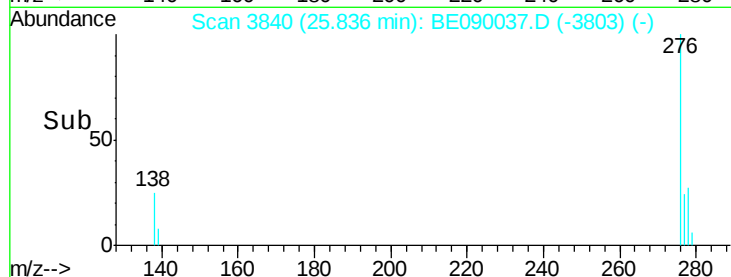
100

50

0

25.70 25.80 25.90

Time-->



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3317

Delta R.T. -0.02 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

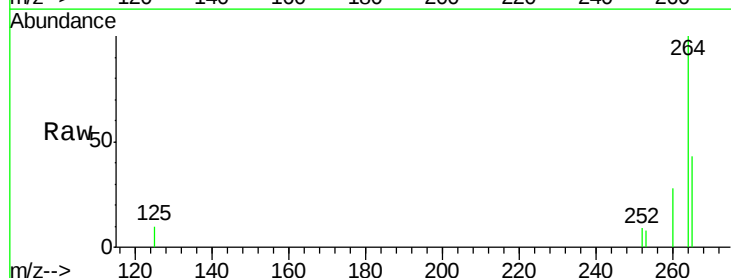
Tgt Ion:264 Resp: 2764

Ion Ratio Lower Upper

264 100

260 28.0 20.2 30.2

265 43.1 17.1 25.7#



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

23.44

1500

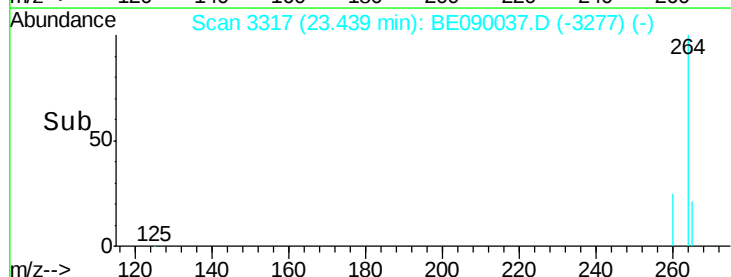
1000

500

0

23.30 23.40 23.50 23.60

Time-->





#33

Benzo(b)fluoranthene

Concen: 0.70 ng

RT: 22.74 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

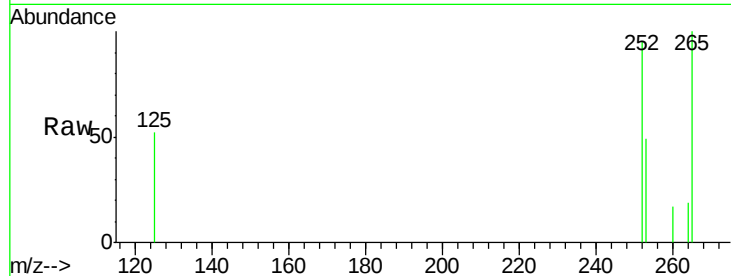
Tgt Ion:252 Resp: 426

Ion Ratio Lower Upper

252 100

253 51.7 17.8 26.8#

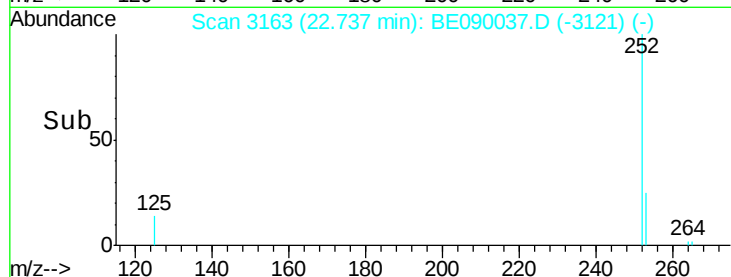
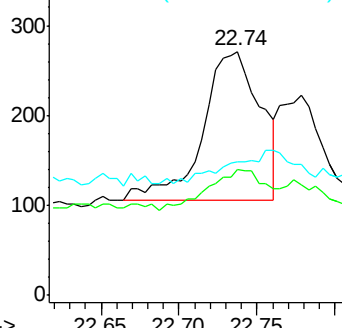
125 54.6 9.0 13.4#



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



#34

Benzo(k)fluoranthene

Concen: 0.63 ng

RT: 22.74 min Scan# 3163

Delta R.T. -0.05 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

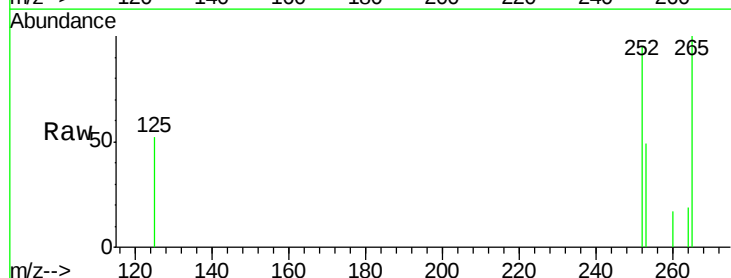
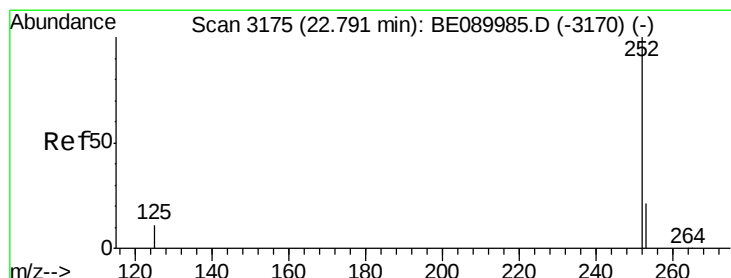
Tgt Ion:252 Resp: 426

Ion Ratio Lower Upper

252 100

253 51.7 17.5 26.3#

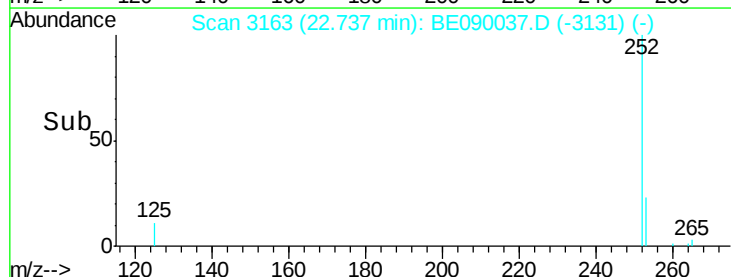
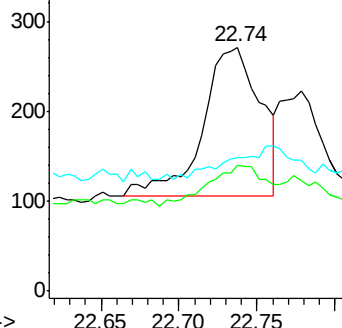
125 54.6 9.5 14.3#



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: 0.78 ng

RT: 23.33 min Scan# 3294

Delta R.T. -0.02 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626

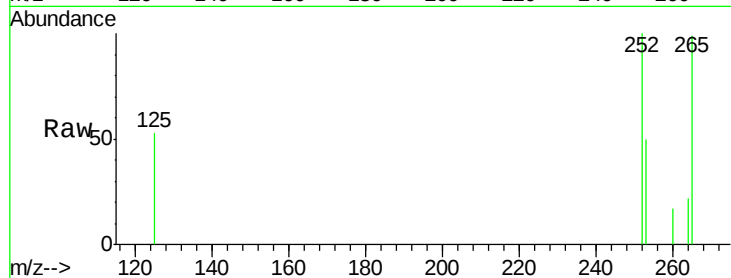
Tgt Ion: 252 Resp: 438

Ion Ratio Lower Upper

252 100

253 50.0 17.4 26.2#

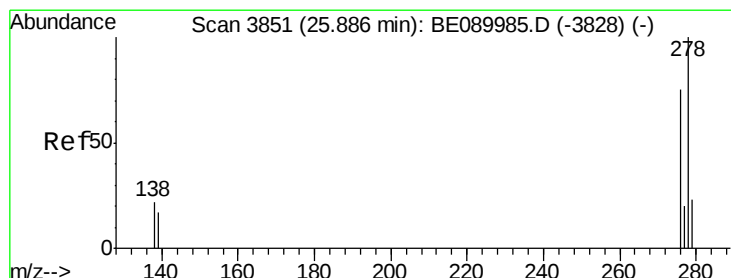
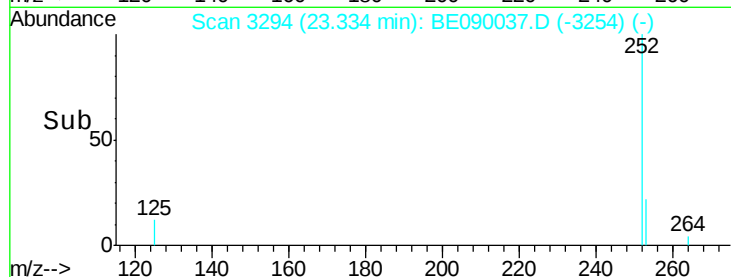
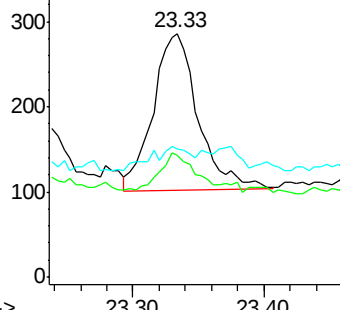
125 52.8 10.5 15.7#



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



#36

Dibenzo(a,h)anthracene

Concen: 0.43 ng

RT: 25.86 min Scan# 3845

Delta R.T. -0.03 min

Lab File: BE090037.D

Acq: 1 Jul 2015 8:22

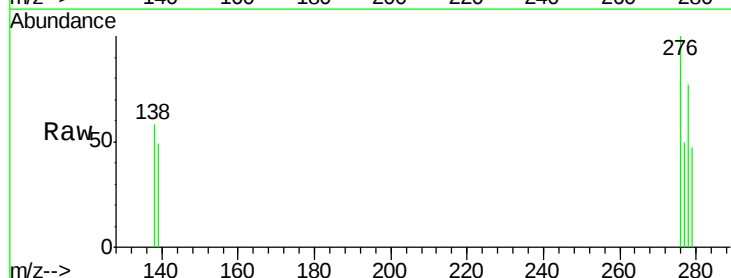
Tgt Ion: 278 Resp: 247

Ion Ratio Lower Upper

278 100

139 63.1 14.4 21.6#

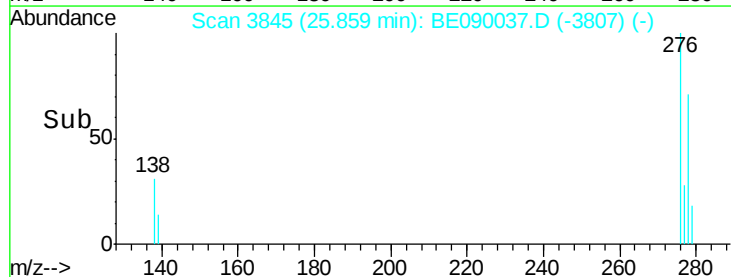
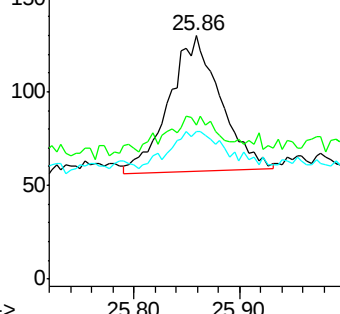
279 60.8 19.0 28.6#



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: 0.86 ng

RT: 26.58 min Scan# 4003

Delta R.T. -0.03 min

Lab File: BE090037.D

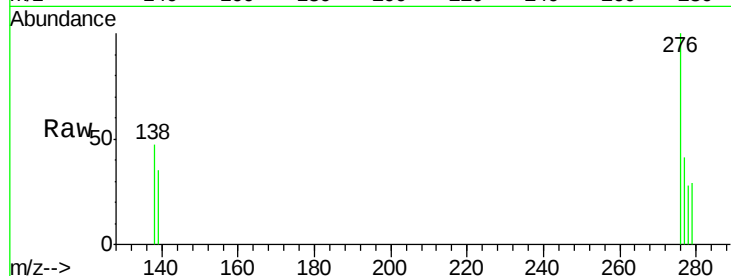
Acq: 1 Jul 2015 8:22

Instrument :

BNA_E

ClientSampleId :

X1SS0640006-150626



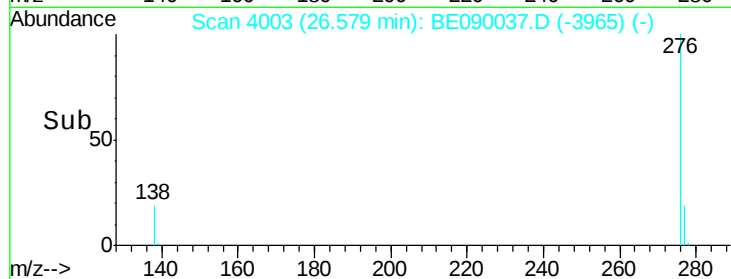
Tgt Ion: 276 Resp: 505

Ion Ratio Lower Upper

276 100

277 41.0 18.8 28.2#

138 46.5 18.6 27.8#



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

