

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091815\
 Data File : BE090897.D
 Acq On : 19 Sep 2015 5:42
 Operator : UM/IZ
 Sample : G3700-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091515-P004-E-U-M

Quant Time: Sep 19 06:55:06 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE091815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 19 03:48:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	28663	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	121021	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	62345	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	146378	5.00	ng	0.00
26) Chrysene-d12	21.07	240	206797	5.00	ng	0.00
33) Perylene-d12	23.35	264	215437	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	21575	3.33	ng	0.00
5) Phenol-d6	6.75	99	16174	1.81	ng	0.00
8) Nitrobenzene-d5	8.71	82	30837	3.70	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	16097	7.32	ng	0.00
15) 2-Fluorobiphenyl	12.80	172	69035	3.91	ng	0.00
28) Terphenyl-d14	19.53	244	122342	5.23	ng	0.00

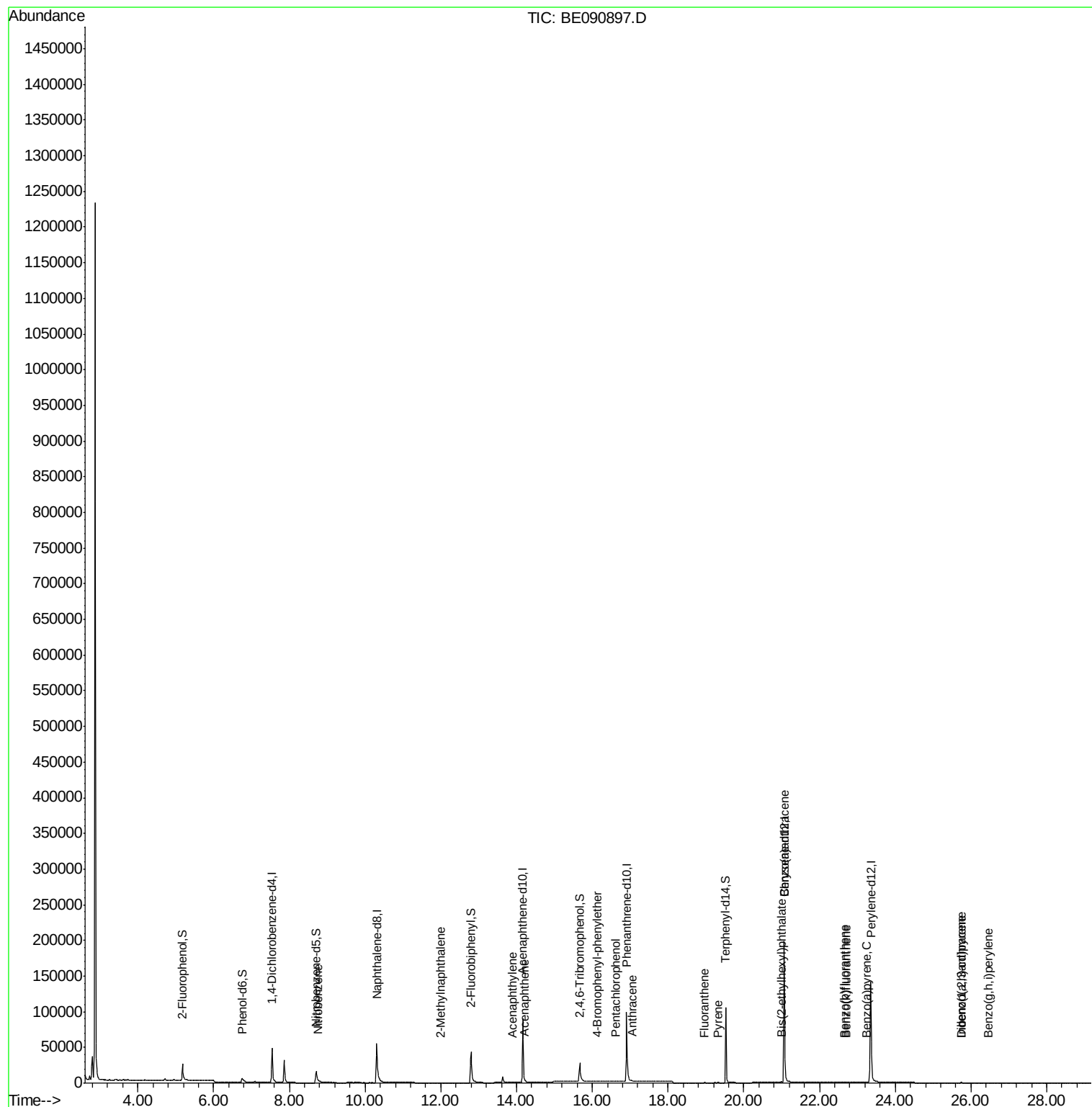
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	92	Below Cal	#	51
3) n-Nitrosodimethylamine	3.39	42	248	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.99	93	17	Below Cal	#	1
9) Nitrobenzene	8.75	77	47	0.01 ng	#	82
10) Naphthalene	10.35	128	392	Below Cal	#	24
11) Hexachlorobutadiene	10.64	225	14	Below Cal	#	72
12) 2-Methylnaphthalene	12.00	142	108	0.01 ng	#	67
16) Acenaphthylene	13.88	152	333	0.00 ng	#	73
17) Acenaphthene	14.23	154	66	0.00 ng	#	96
18) Fluorene	15.24	166	160	Below Cal	#	80
20) 4-Bromophenyl-phenylether	16.13	248	17	0.00 ng	#	59
21) Hexachlorobenzene	16.23	284	152	Below Cal	#	28
22) Pentachlorophenol	16.61	266	51	0.20 ng	#	54
23) Phenanthrene	16.94	178	653	Below Cal	#	67
24) Anthracene	17.05	178	221	0.01 ng	#	74
25) Fluoranthene	18.96	202	504	0.01 ng	#	92
27) Pyrene	19.32	202	535	0.01 ng	#	85
29) Benzo(a)anthracene	21.06	228	1222	0.02 ng	#	84
30) Chrysene	21.10	228	811	Below Cal	#	79
31) Bis(2-ethylhexyl)phthalate	21.00	149	1388	0.23 ng	#	98
32) Indeno(1,2,3-cd)pyrene	25.73	276	539	0.01 ng	#	64
34) Benzo(b)fluoranthene	22.66	252	792	0.02 ng	#	21
35) Benzo(k)fluoranthene	22.71	252	713	0.01 ng	#	33
36) Benzo(a)pyrene	23.25	252	491	0.01 ng	#	3
37) Dibenzo(a,h)anthracene	25.76	278	452	0.01 ng	#	1
38) Benzo(g,h,i)perylene	26.46	276	635	0.01 ng	#	47

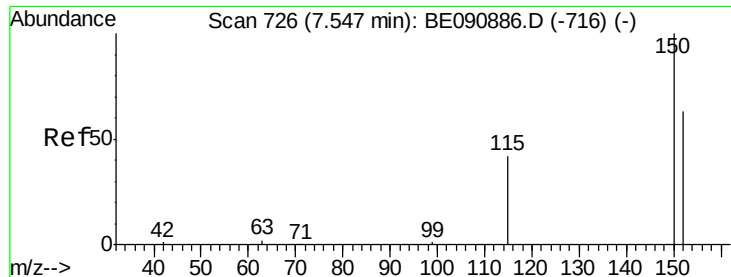
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091815\
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QLast Update : Sat Sep 19 03:48:03 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 726

Delta R.T. -0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

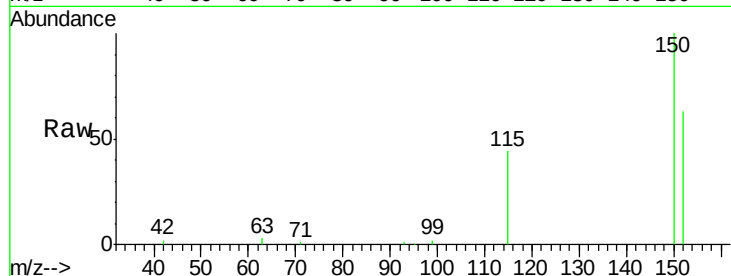
Tot Ion:152 Resp: 28663

Ion Ratio Lower Upper

152 100

150 158.7 122.2 183.4

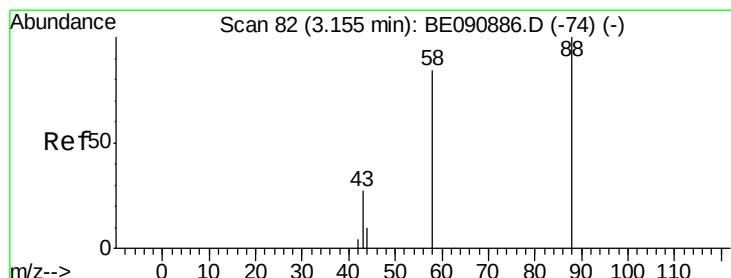
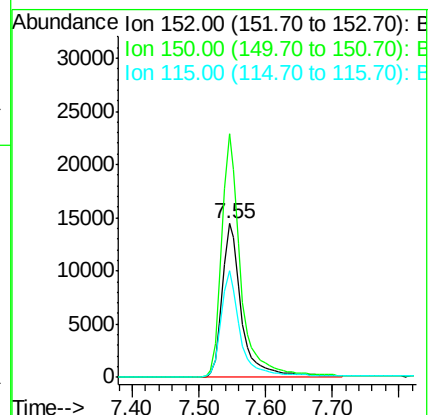
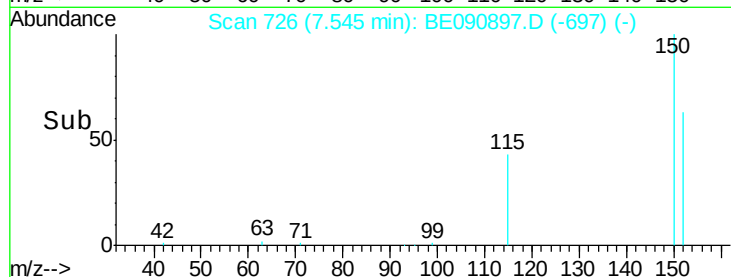
115 69.3 51.0 76.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.16 min Scan# 83

Delta R.T. 0.01 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

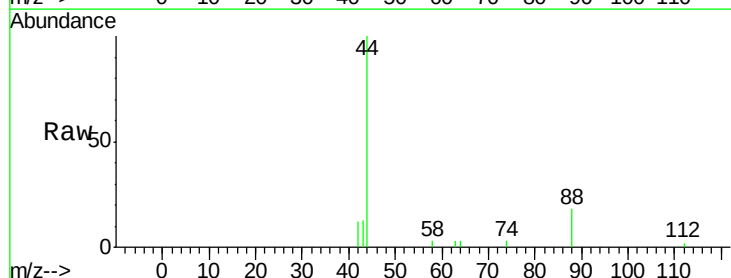
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

58 44.6 68.4 102.6#

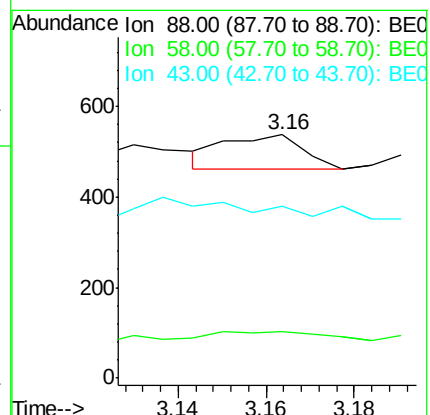
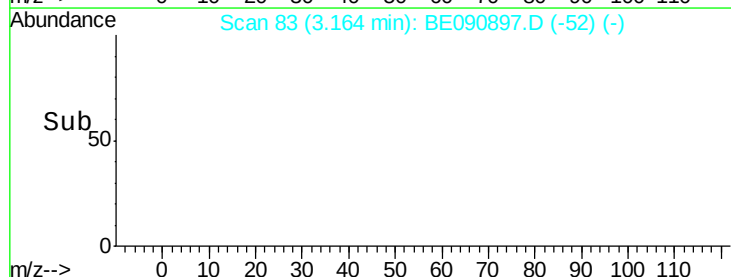
43 0.0 26.9 40.3#

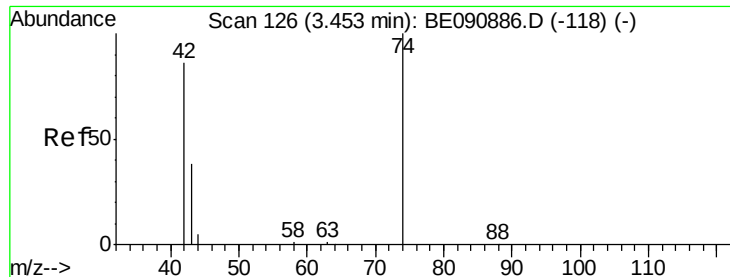


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: Below Cal

RT: 3.39 min Scan# 117

Delta R.T. -0.05 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

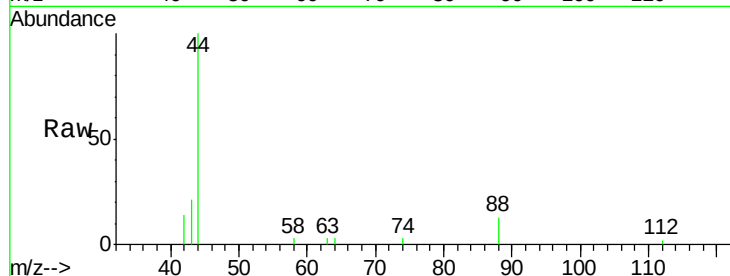
Tot Ion: 42 Resp: 248

Ion Ratio Lower Upper

42 100

74 0.0 83.7 125.5#

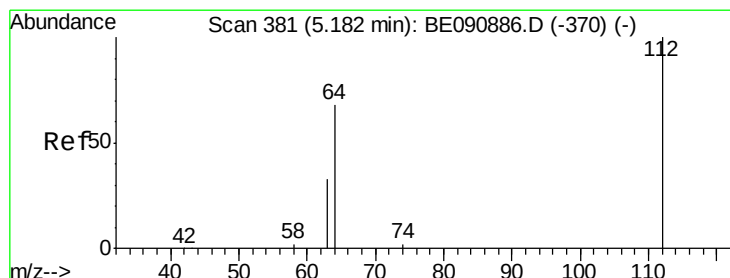
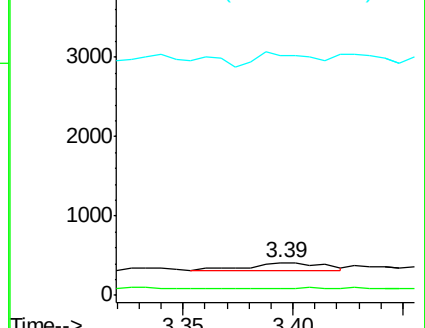
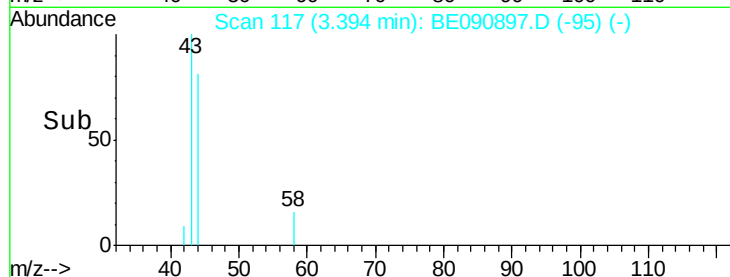
44 128.2 10.0 15.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 3.33 ng

RT: 5.18 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

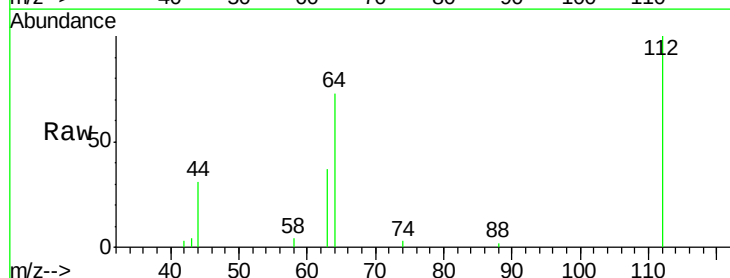
Tgt Ion: 112 Resp: 21575

Ion Ratio Lower Upper

112 100

64 71.8 57.3 85.9

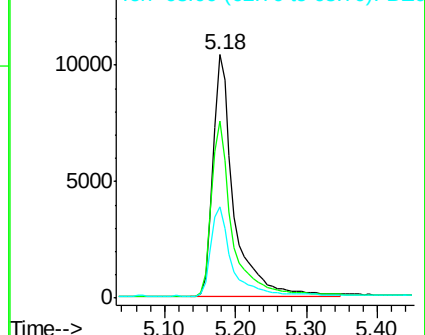
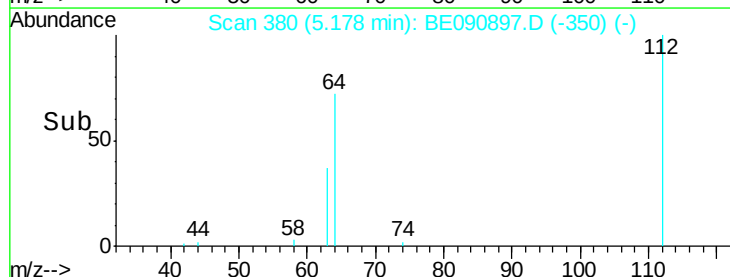
63 37.3 29.2 43.8

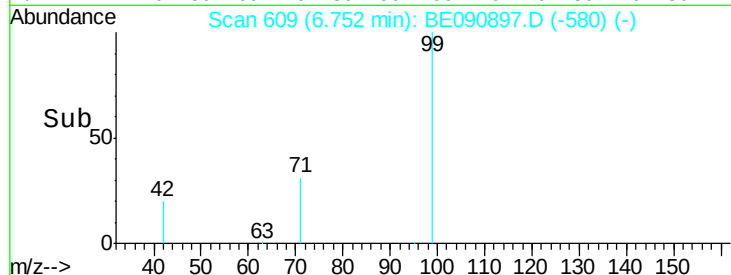
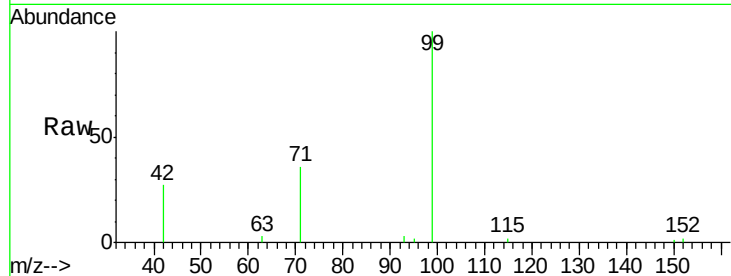
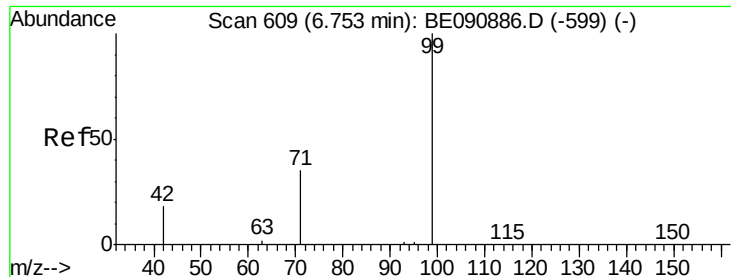


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.81 ng

RT: 6.75 min Scan# 609

Delta R.T. -0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

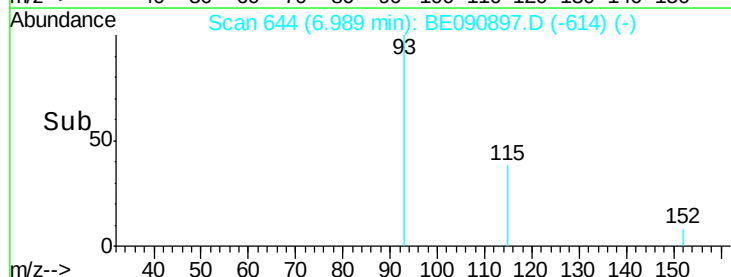
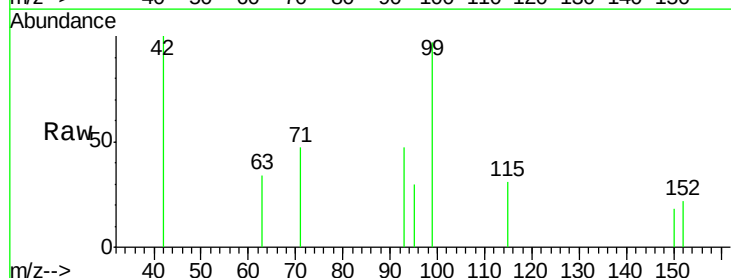
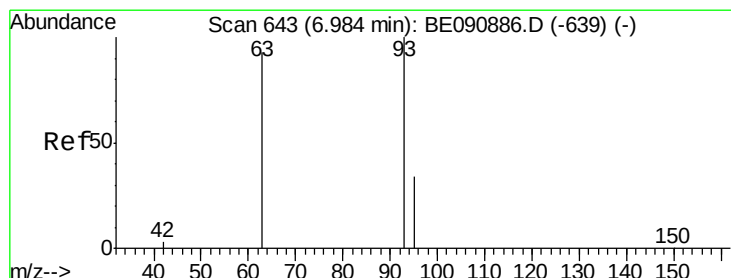
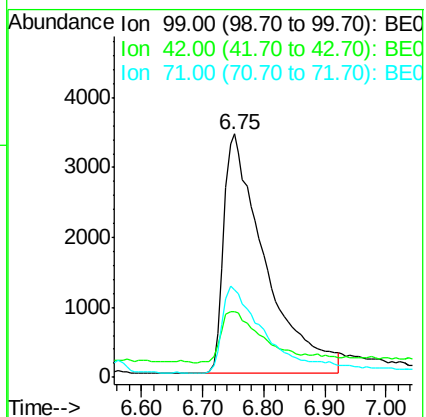
Tot Ion: 99 Resp: 16174

Ion Ratio Lower Upper

99 100

42 24.0 16.8 25.2

71 35.5 28.3 42.5



#6

bis(2-Chloroethyl)ether

Concen: Below Cal

RT: 6.99 min Scan# 644

Delta R.T. 0.01 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

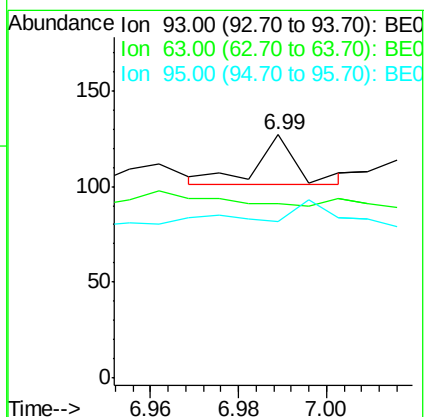
Tgt Ion: 93 Resp: 17

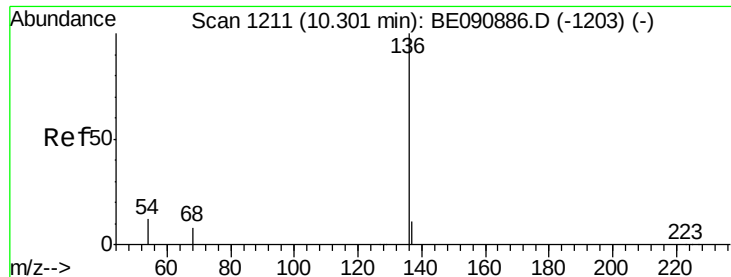
Ion Ratio Lower Upper

93 100

63 0.0 68.5 102.7#

95 100.0 26.9 40.3#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

Tot Ion:136 Resp: 121021

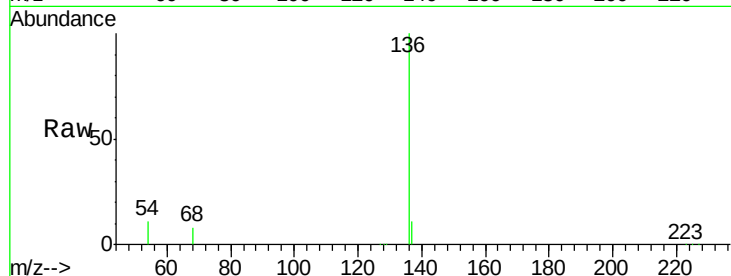
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.3 9.0 13.6

68 8.4 6.3 9.5

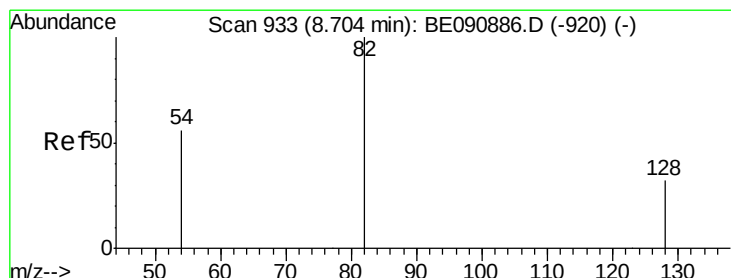
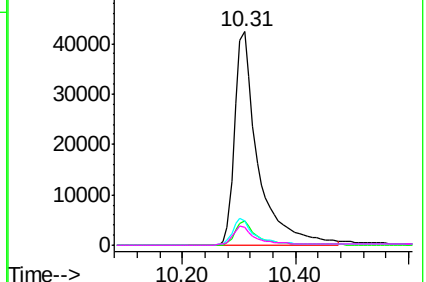
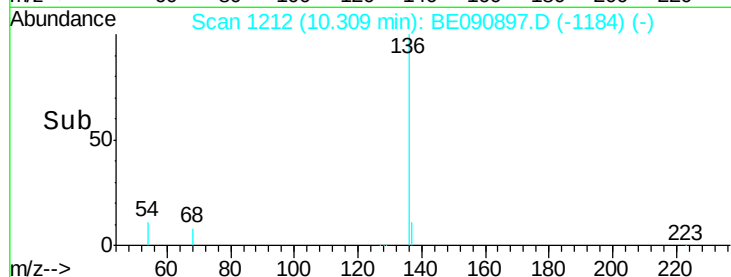


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 3.70 ng

RT: 8.71 min Scan# 934

Delta R.T. 0.01 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

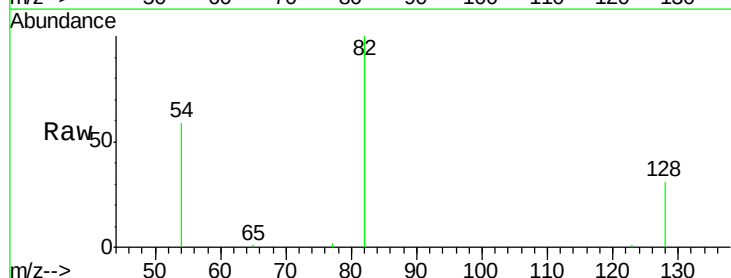
Tgt Ion: 82 Resp: 30837

Ion Ratio Lower Upper

82 100

128 31.0 25.0 37.4

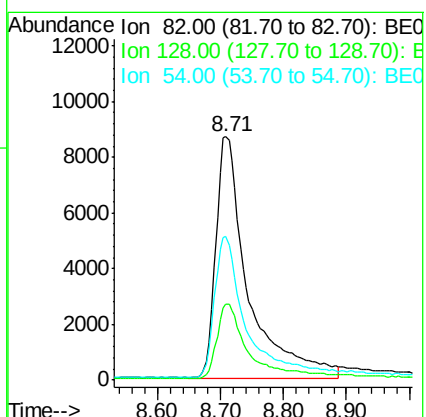
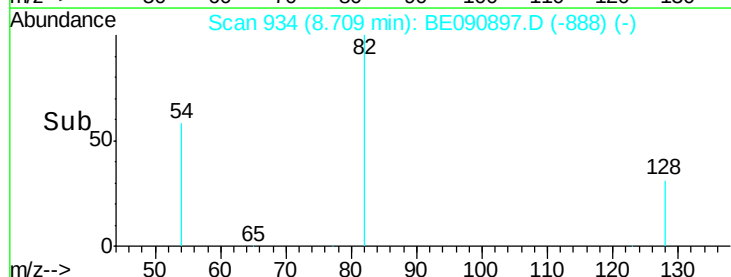
54 58.9 46.3 69.5

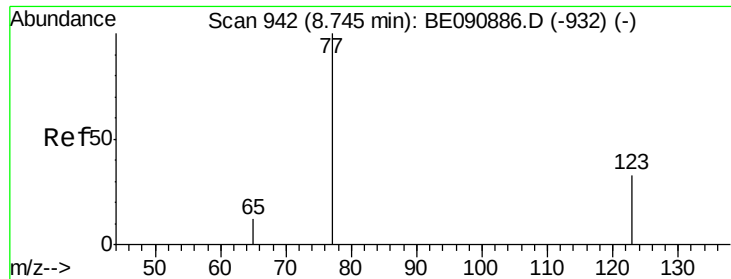


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

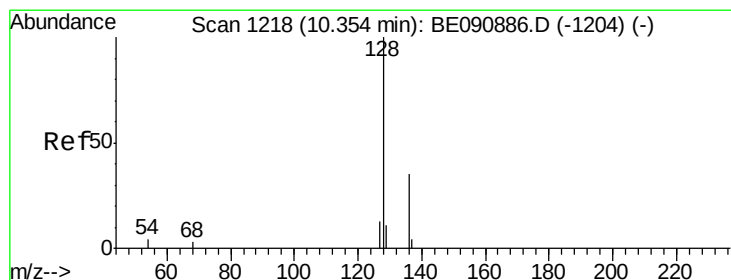
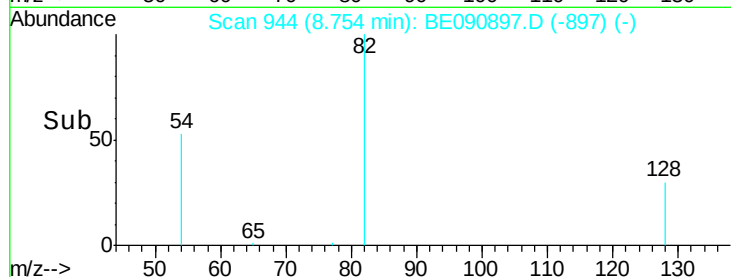
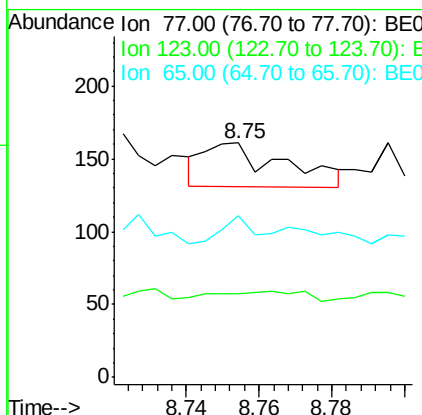
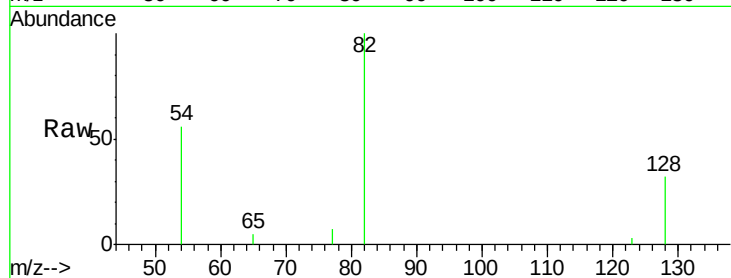




#9
 Nitrobenzene
 Concen: 0.01 na
 RT: 8.75 min Scan# 944
 Delta R.T. 0.01 min
 Lab File: BE090897.D
 Acq: 19 Sep 2015 5:42

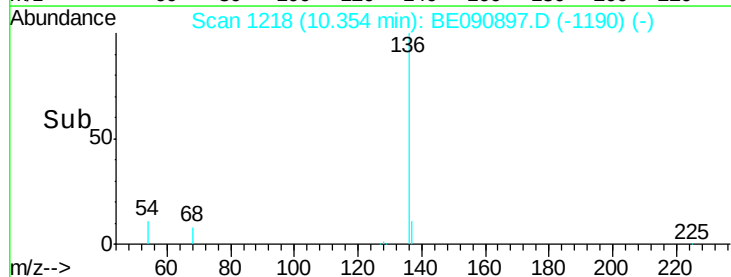
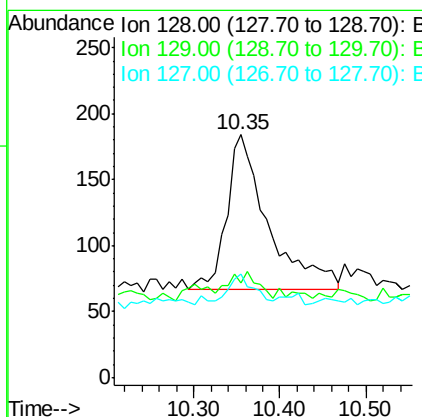
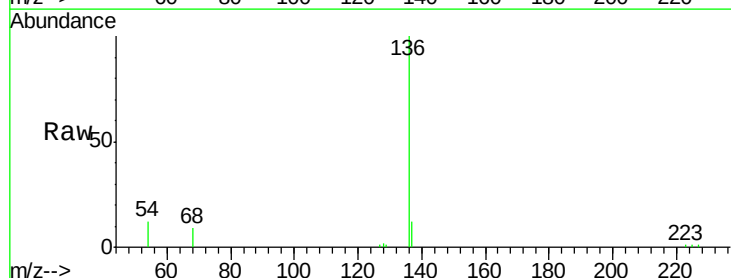
Instrument :
 BNA_E
 ClientSampleId :
 091515-P004-E-U-M

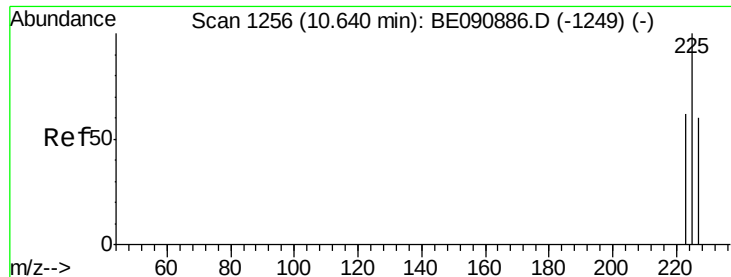
Tot Ion: 77 Resp: 47
 Ion Ratio Lower Upper
 77 100
 123 23.4 25.1 37.7#
 65 23.4 9.9 14.9#



#10
 Naphthalene
 Concen: Below Cal
 RT: 10.35 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: BE090897.D
 Acq: 19 Sep 2015 5:42

Tgt Ion: 128 Resp: 392
 Ion Ratio Lower Upper
 128 100
 129 39.1 8.4 12.6#
 127 42.4 9.9 14.9#





#11

Hexachlorobutadiene

Concen: Below Cal

RT: 10.64 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

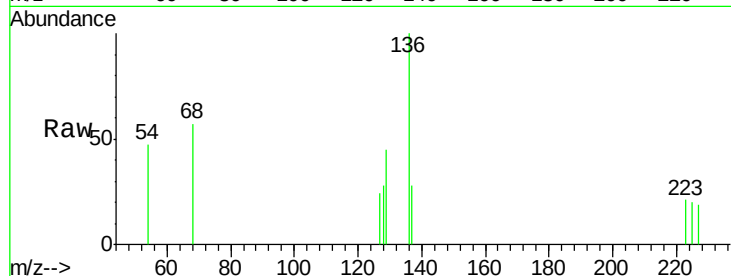
Tot Ion:225 Resp: 14

Ion Ratio Lower Upper

225 100

223 71.4 50.6 76.0

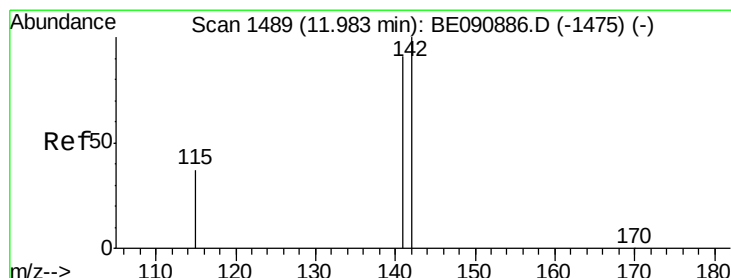
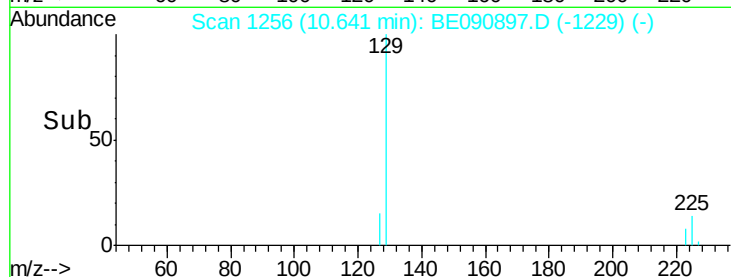
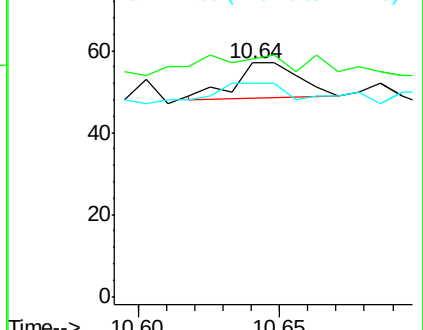
227 100.0 51.0 76.6#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#12

2-Methylnaphthalene

Concen: 0.01 ng

RT: 12.00 min Scan# 1493

Delta R.T. 0.02 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

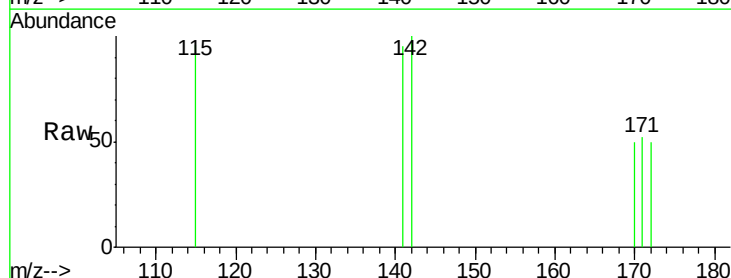
Tgt Ion:142 Resp: 108

Ion Ratio Lower Upper

142 100

141 95.0 71.4 107.2

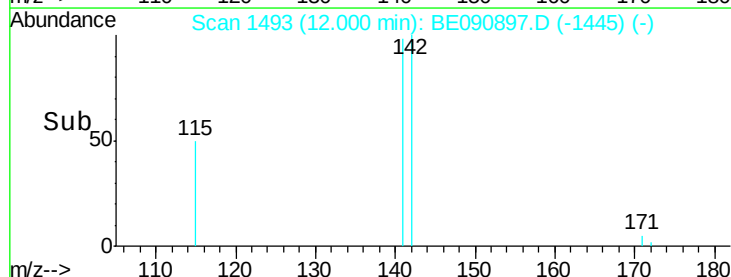
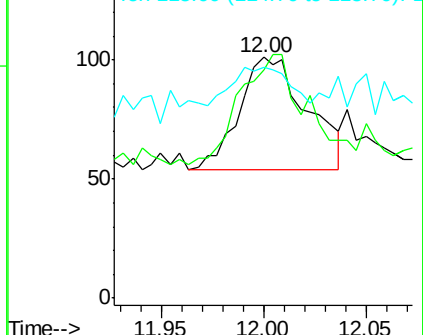
115 96.0 31.0 46.4#

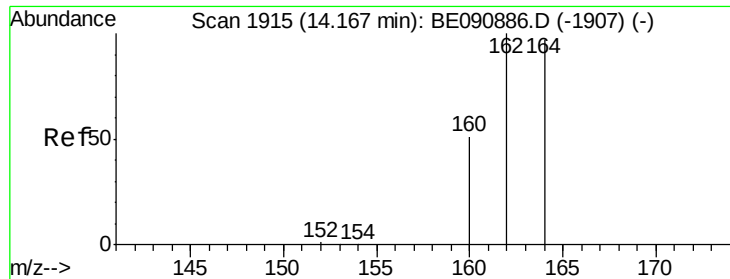


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

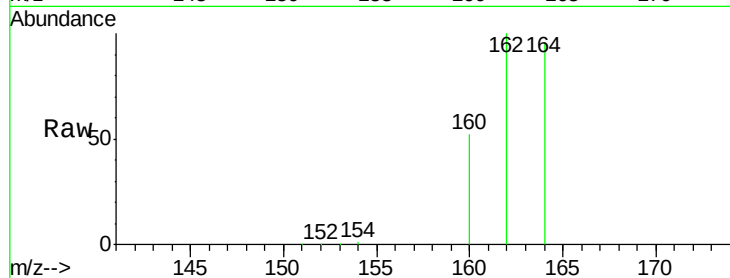
Tot Ion:164 Resp: 62345

Ion Ratio Lower Upper

164 100

162 104.6 86.8 130.2

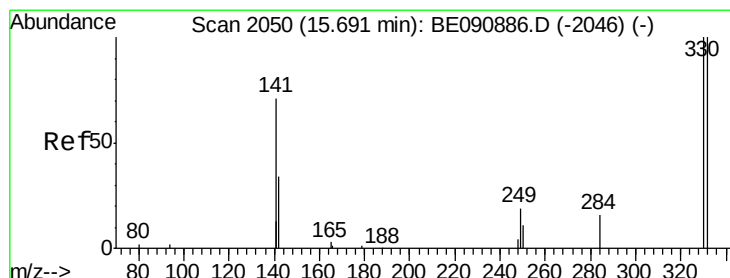
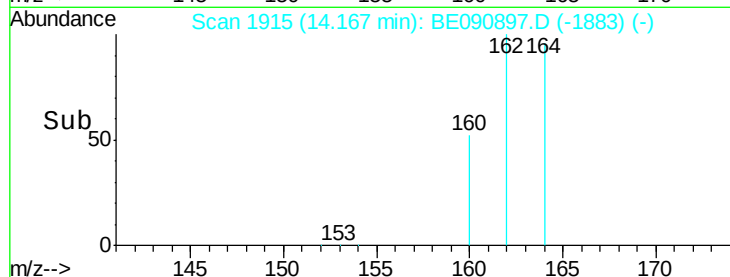
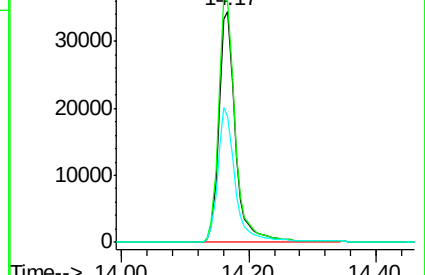
160 54.7 53.9 80.9



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



#14

2,4,6-Tribromophenol

Concen: 7.32 ng

RT: 15.67 min Scan# 2049

Delta R.T. -0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

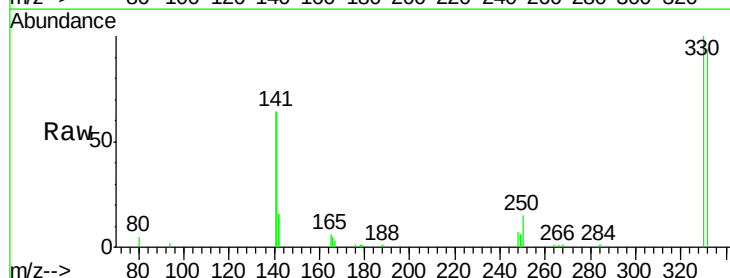
Tgt Ion:330 Resp: 16097

Ion Ratio Lower Upper

330 100

332 97.1 74.9 112.3

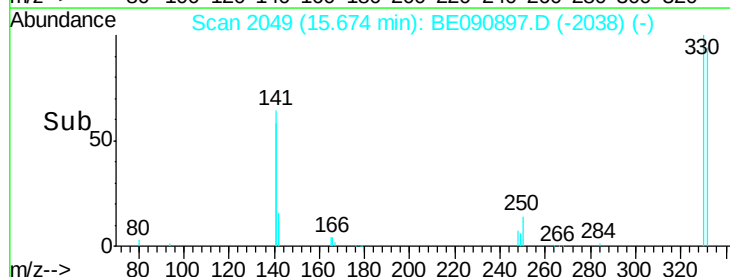
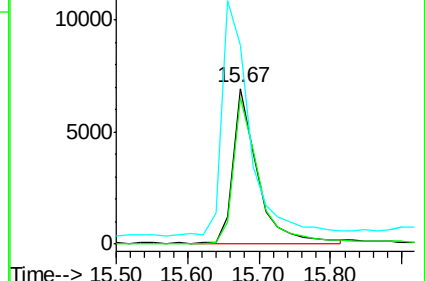
141 178.6 145.2 217.8

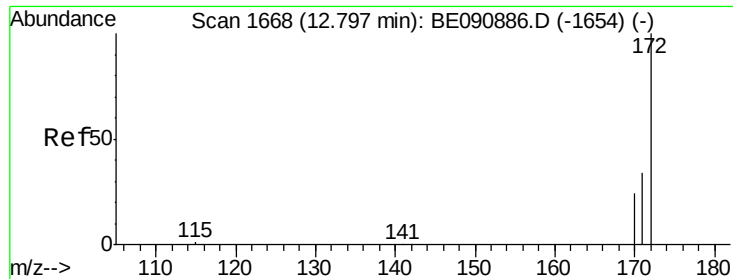


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

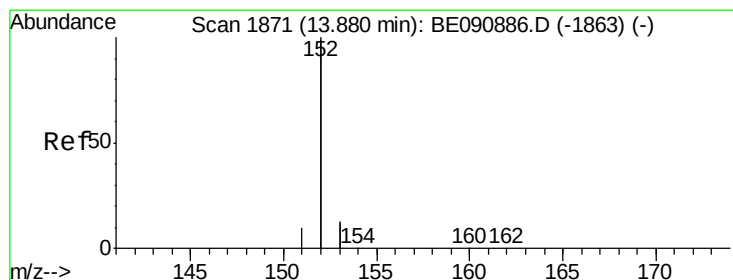
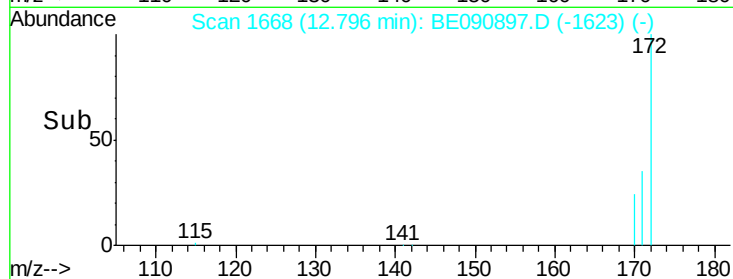
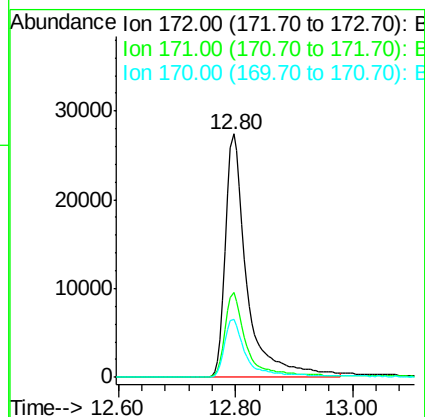
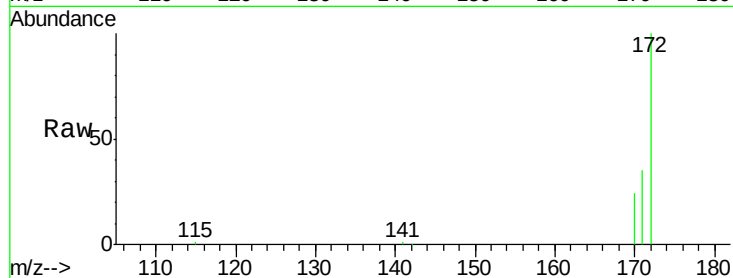




#15
2-Fluorobiphenyl
Concen: 3.91 ng
RT: 12.80 min Scan# 1668
Delta R.T. 0.00 min
Lab File: BE090897.D
Acq: 19 Sep 2015 5:42

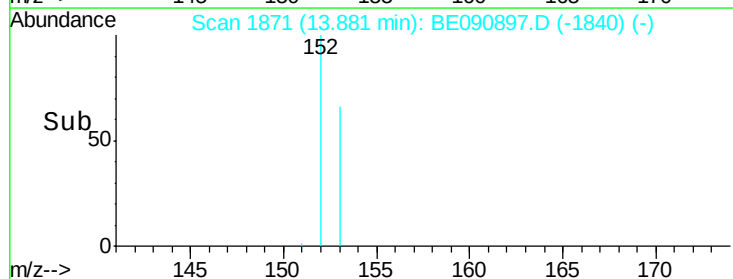
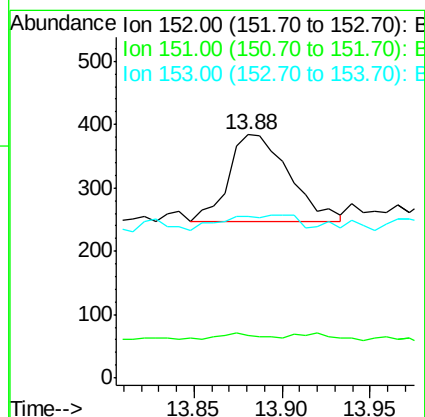
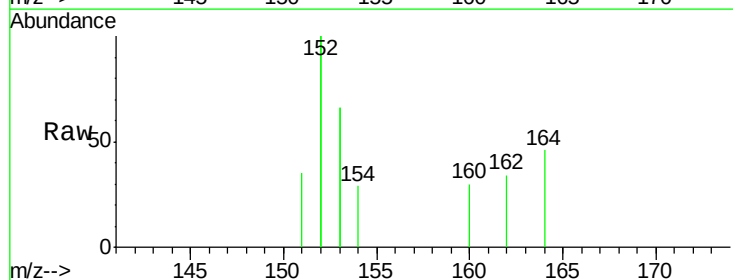
Instrument :
BNA_E
ClientSampleId :
091515-P004-E-U-M

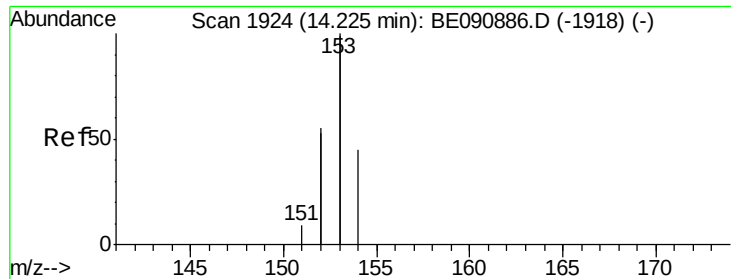
Tot Ion:172 Resp: 69035
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.8 19.8 29.6



#16
Acenaphthylene
Concen: 0.00 ng
RT: 13.88 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BE090897.D
Acq: 19 Sep 2015 5:42

Tgt Ion:152 Resp: 333
Ion Ratio Lower Upper
152 100
151 6.9 3.9 5.9#
153 26.7 10.3 15.5#

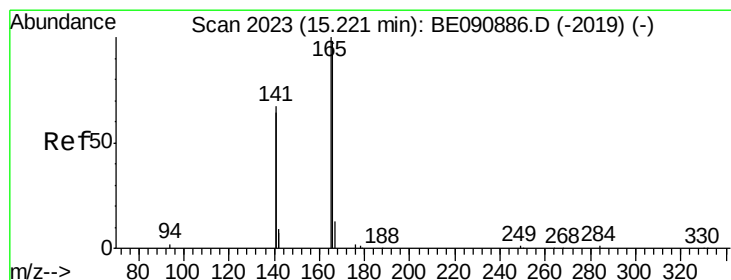
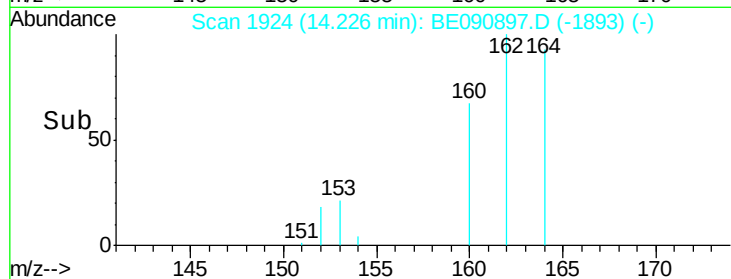
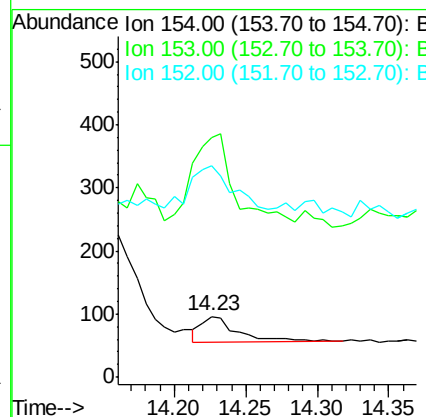
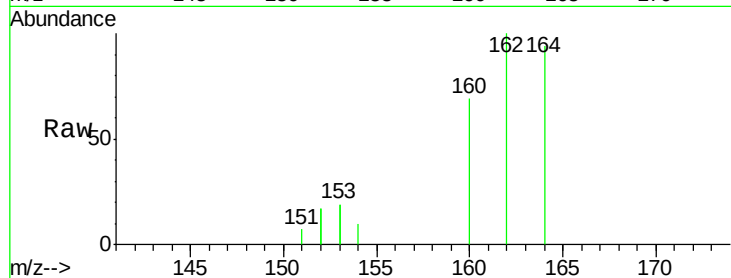




#17
Acenaphthene
Concen: 0.00 ng
RT: 14.23 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BE090897.D
Acq: 19 Sep 2015 5:42

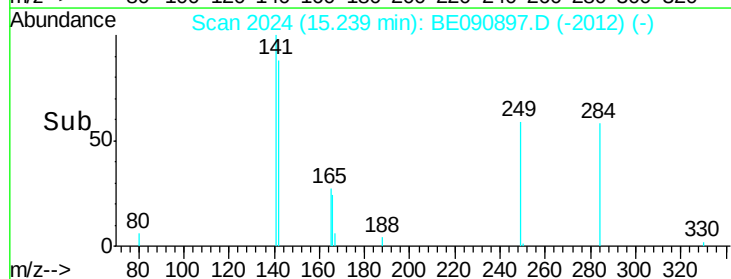
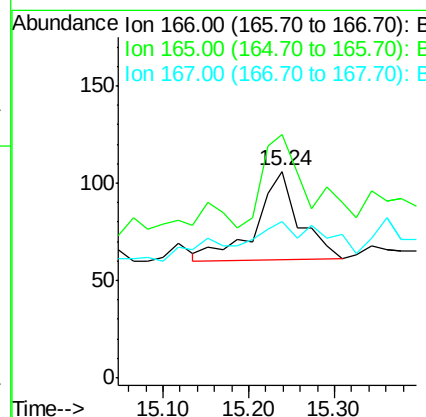
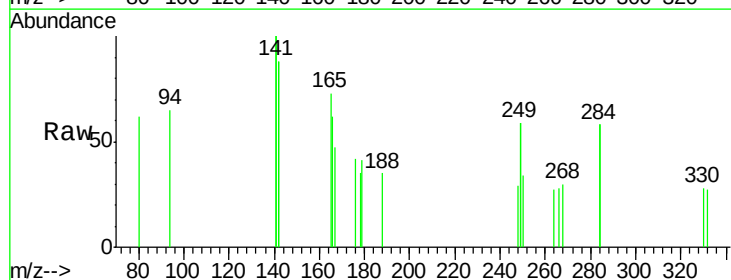
Instrument :
BNA_E
ClientSampleId :
091515-P004-E-U-M

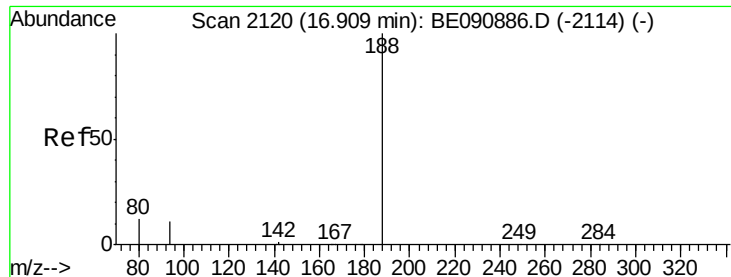
Tot Ion:154 Resp: 66
Ion Ratio Lower Upper
154 100
153 442.4 354.5 531.7
152 301.5 227.8 341.6



#18
Fluorene
Concen: Below Cal
RT: 15.24 min Scan# 2024
Delta R.T. 0.02 min
Lab File: BE090897.D
Acq: 19 Sep 2015 5:42

Tgt Ion:166 Resp: 160
Ion Ratio Lower Upper
166 100
165 112.5 82.7 124.1
167 54.4 10.7 16.1#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

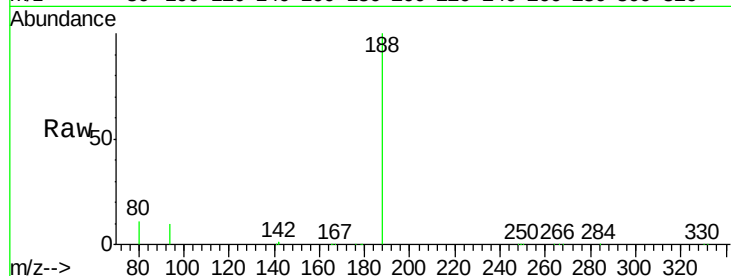
Tot Ion:188 Resp: 146378

Ion Ratio Lower Upper

188 100

94 10.3 10.3 15.5#

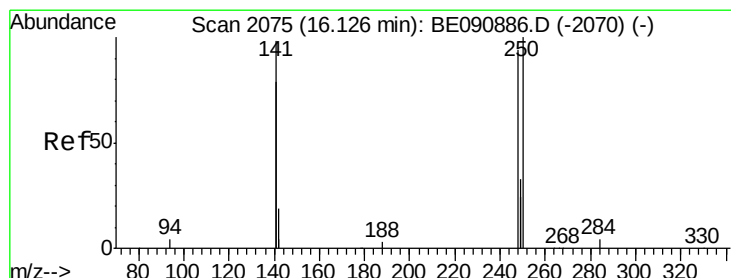
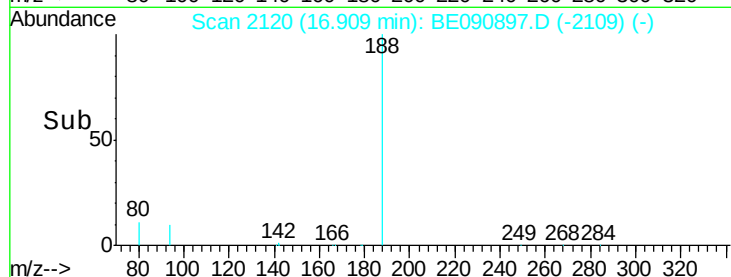
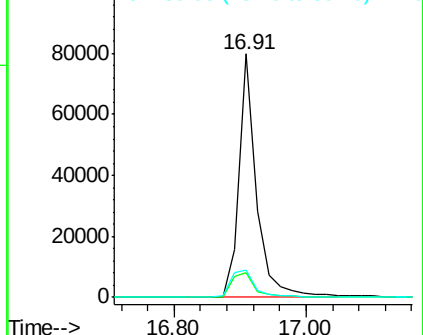
80 11.4 11.0 16.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.00 ng

RT: 16.13 min Scan# 2075

Delta R.T. 0.02 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

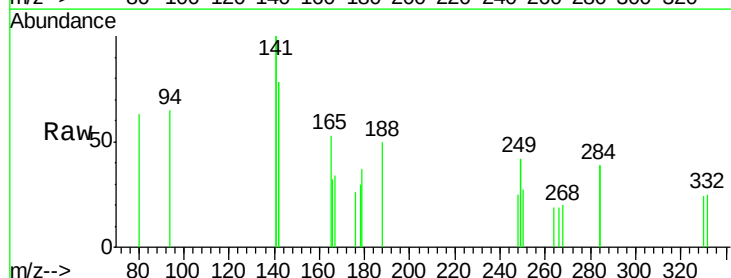
Tgt Ion:248 Resp: 17

Ion Ratio Lower Upper

248 100

250 247.1 76.7 115.1#

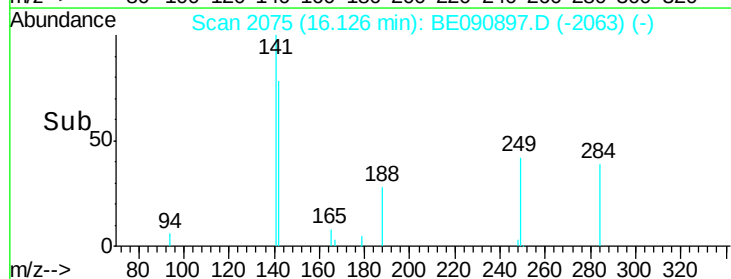
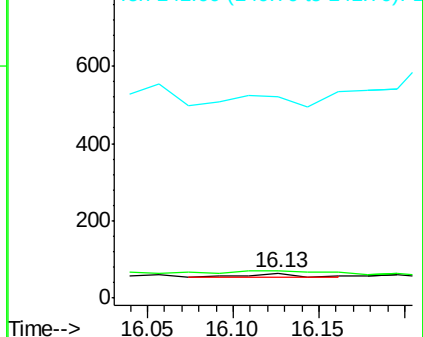
141 341.2 292.6 439.0

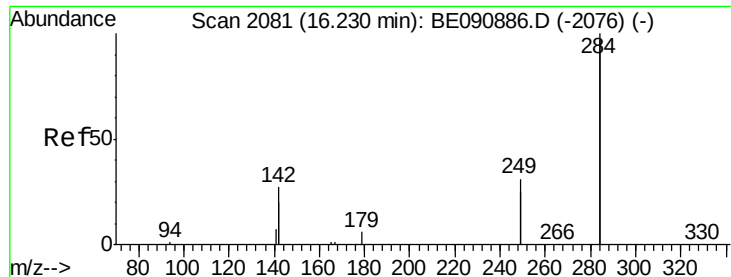


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

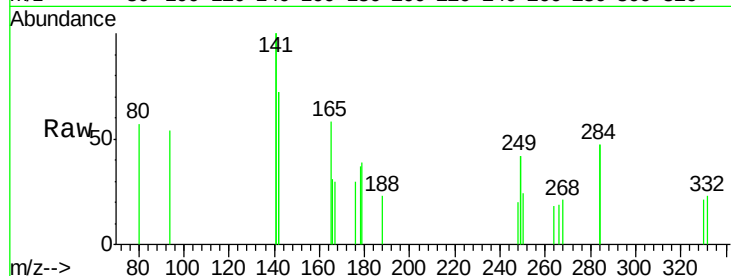
Tot Ion:284 Resp: 152

Ion Ratio Lower Upper

284 100

142 106.6 35.0 52.4#

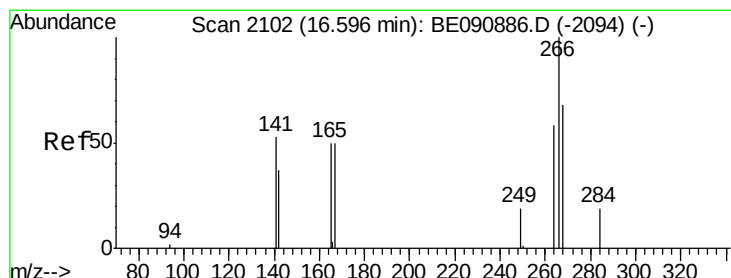
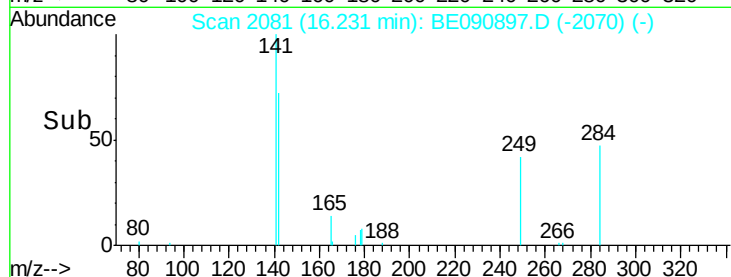
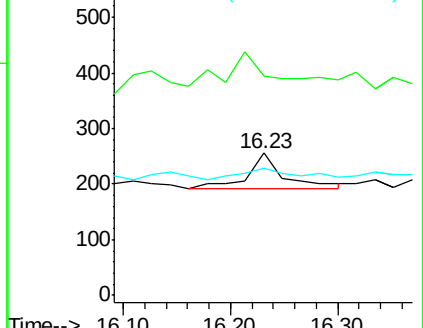
249 52.0 25.5 38.3#



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



#22

Pentachlorophenol

Concen: 0.20 ng

RT: 16.61 min Scan# 2103

Delta R.T. 0.02 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

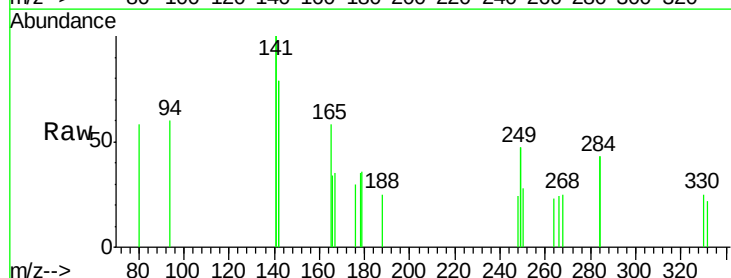
Tgt Ion:266 Resp: 51

Ion Ratio Lower Upper

266 100

268 103.6 49.6 74.4#

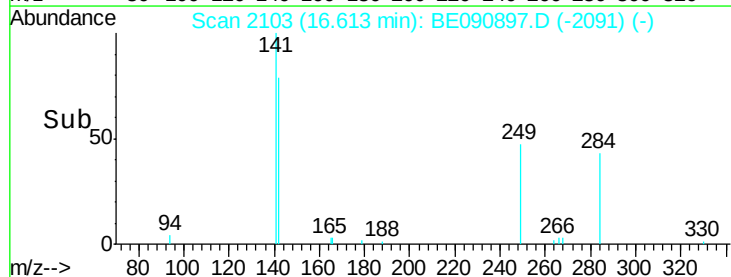
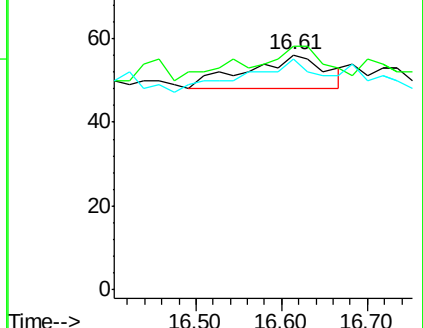
264 98.2 53.9 80.9#

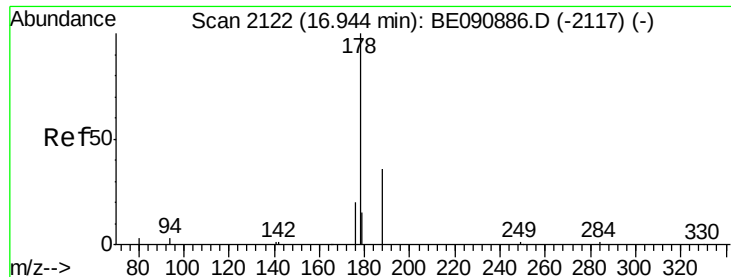


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 16.94 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

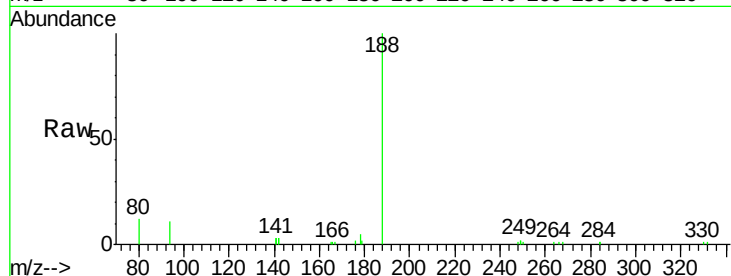
Tot Ion:178 Resp: 653

Ion Ratio Lower Upper

178 100

176 33.1 15.6 23.4#

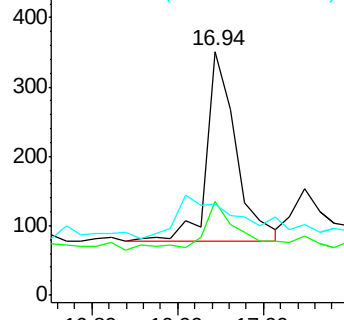
179 0.0 12.8 19.2#



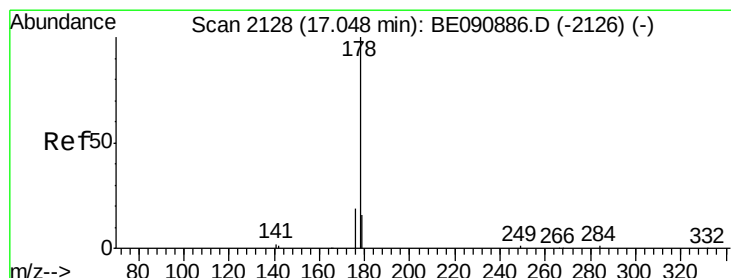
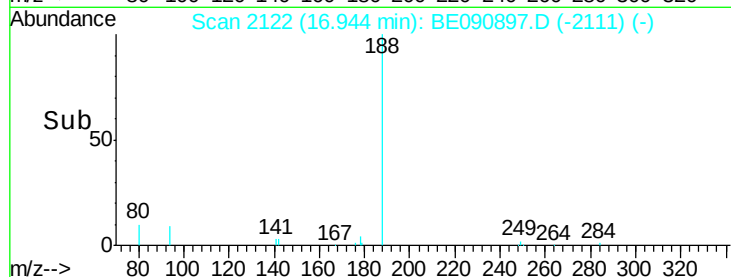
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.01 ng

RT: 17.05 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

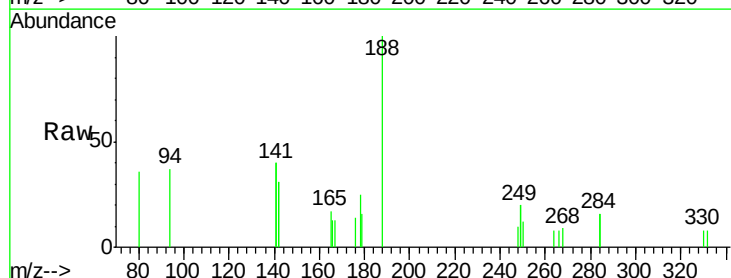
Tgt Ion:178 Resp: 221

Ion Ratio Lower Upper

178 100

176 10.9 15.0 22.6#

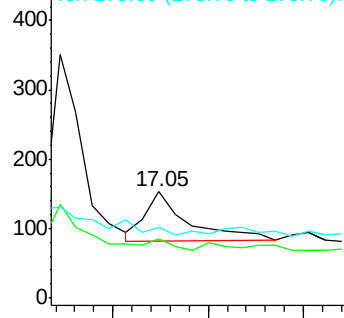
179 0.0 12.3 18.5#



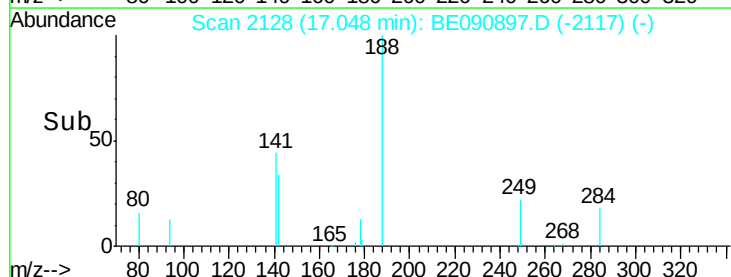
Abundance Ion 178.00 (177.70 to 178.70): E

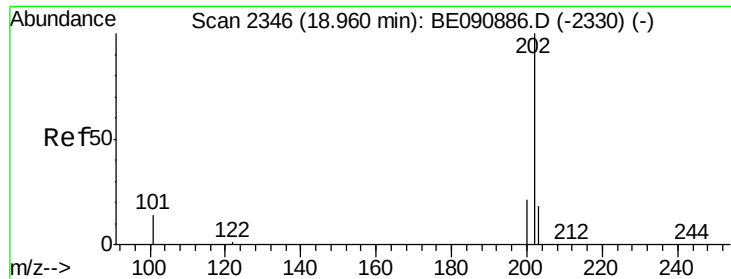
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene

Concen: 0.01 ng

RT: 18.96 min Scan# 2346

Delta R.T. 0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

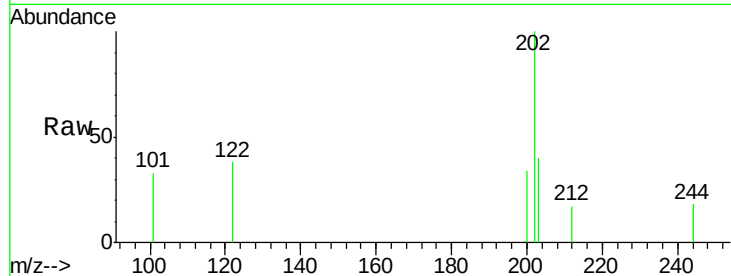
Tot Ion:202 Resp: 504

Ion Ratio Lower Upper

202 100

101 17.7 11.0 16.6#

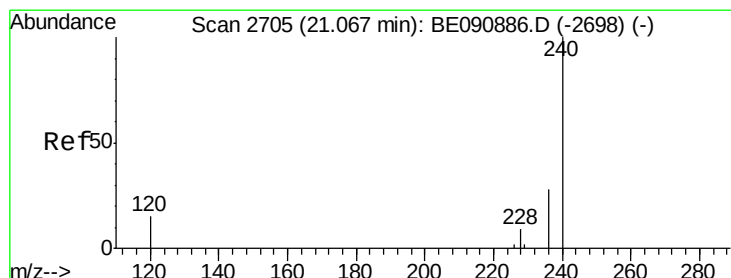
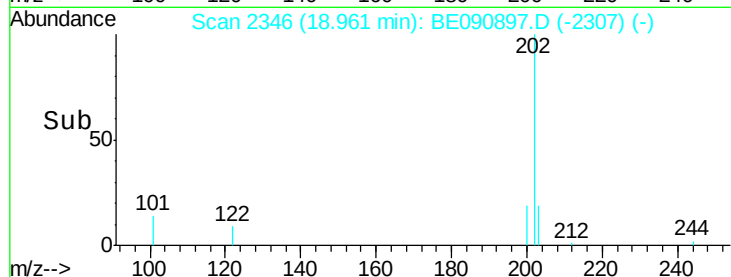
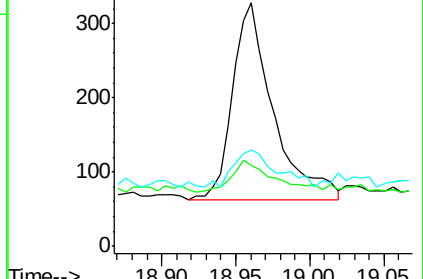
203 20.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2705

Delta R.T. 0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

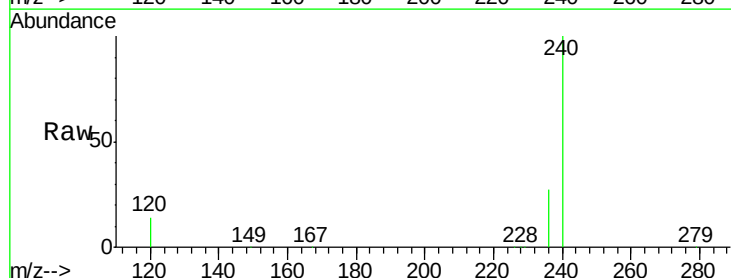
Tgt Ion:240 Resp: 206797

Ion Ratio Lower Upper

240 100

120 13.8 10.1 15.1

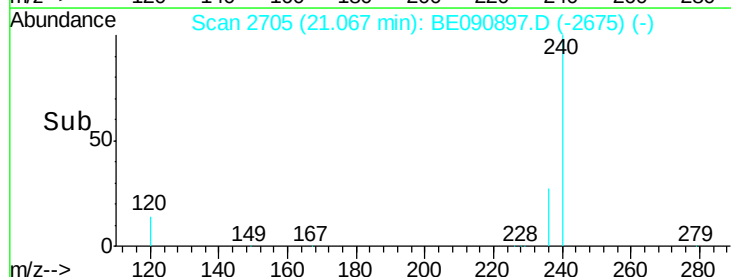
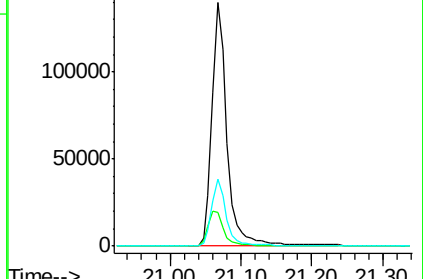
236 27.4 21.9 32.9

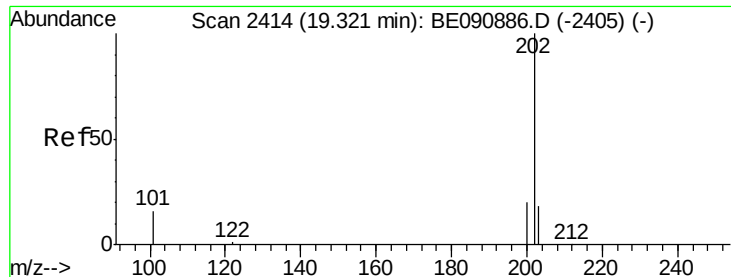


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Pvrene

Concen: 0.01 ng

RT: 19.32 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

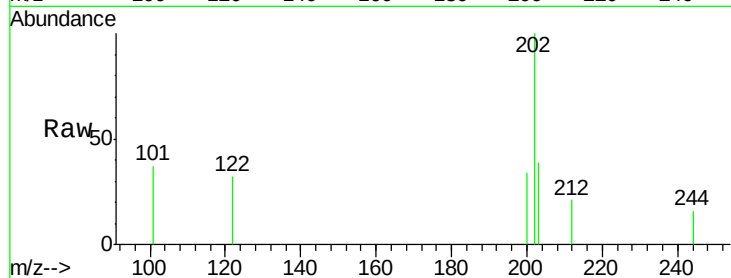
Tot Ion:202 Resp: 535

Ion Ratio Lower Upper

202 100

200 27.7 16.7 25.1#

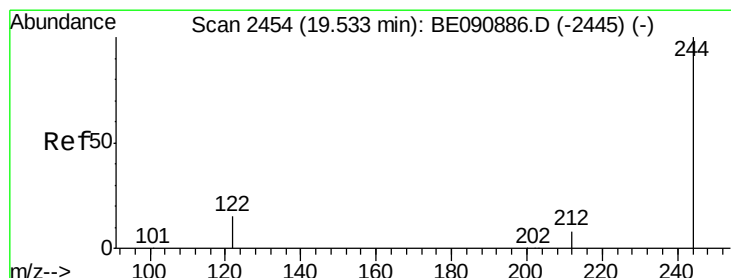
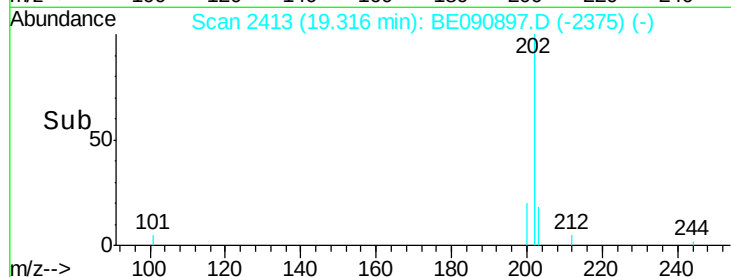
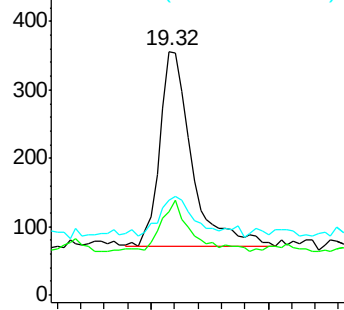
203 23.9 13.8 20.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#28

Terphenyl-d14

Concen: 5.23 ng

RT: 19.53 min Scan# 2453

Delta R.T. -0.01 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

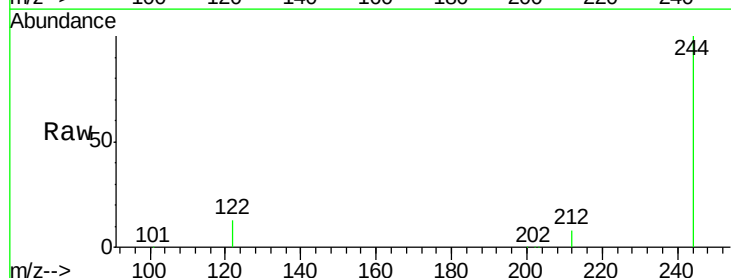
Tgt Ion:244 Resp: 122342

Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

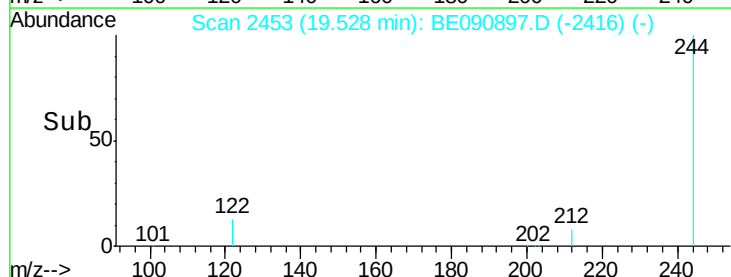
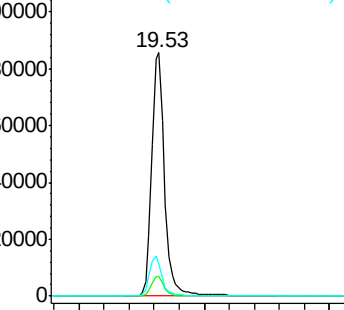
122 13.2 12.9 19.3

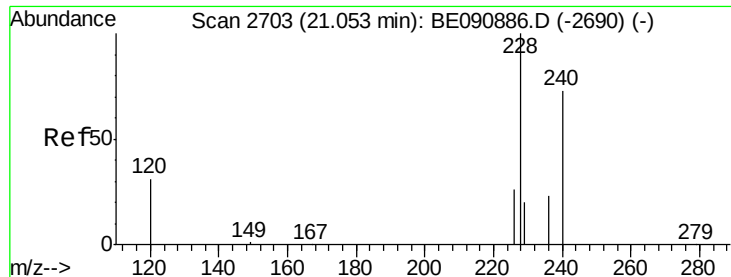


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.06 min Scan# 2704

Delta R.T. 0.01 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

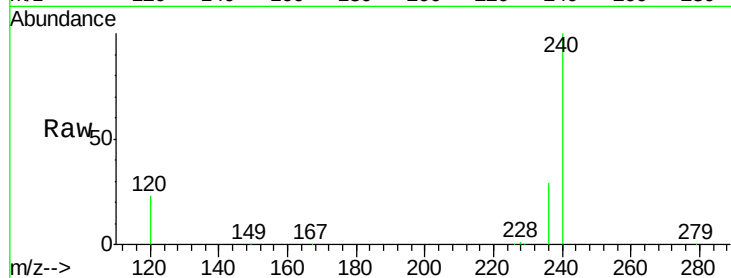
Tot Ion:228 Resp: 1222

Ion Ratio Lower Upper

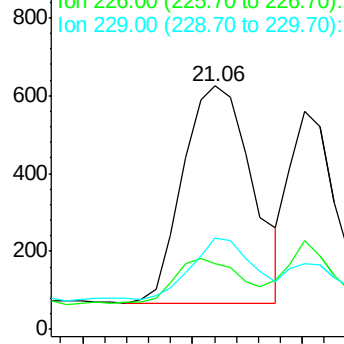
228 100

226 27.0 21.6 32.4

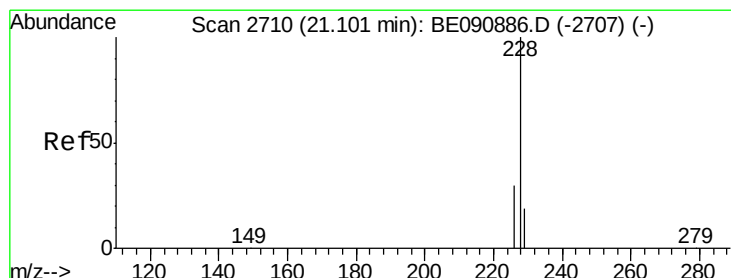
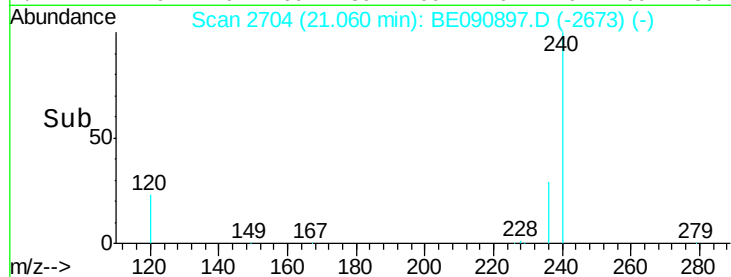
229 37.3 15.9 23.9#



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



Time-->



#30

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

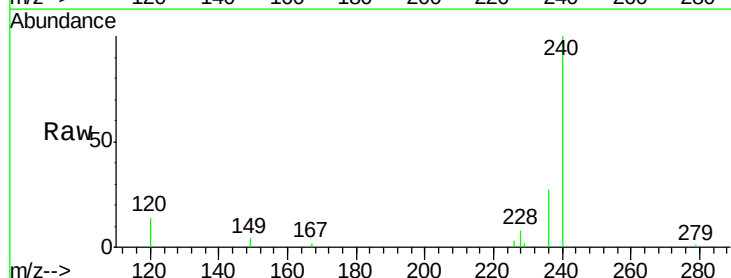
Tgt Ion:228 Resp: 811

Ion Ratio Lower Upper

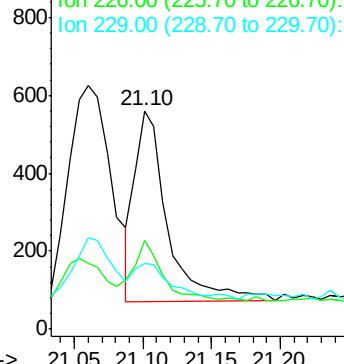
228 100

226 40.7 24.2 36.4#

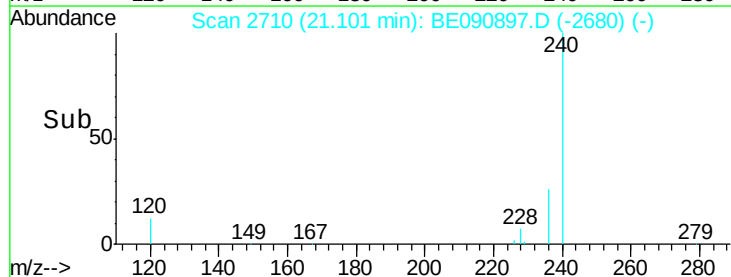
229 29.8 15.3 22.9#

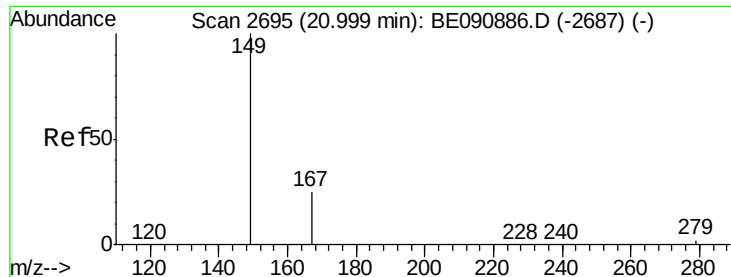


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#31

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 21.00 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

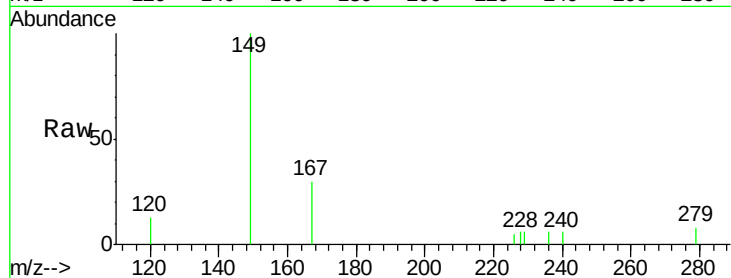
Tot Ion:149 Resp: 1388

Ion Ratio Lower Upper

149 100

167 24.2 20.1 30.1

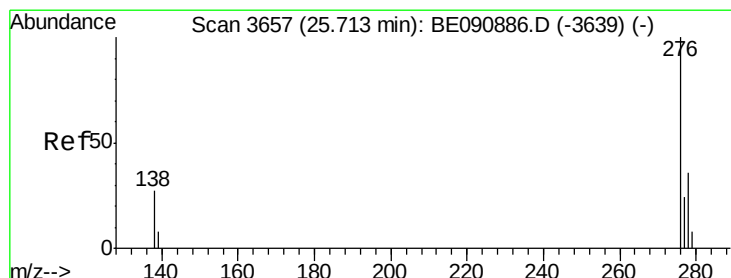
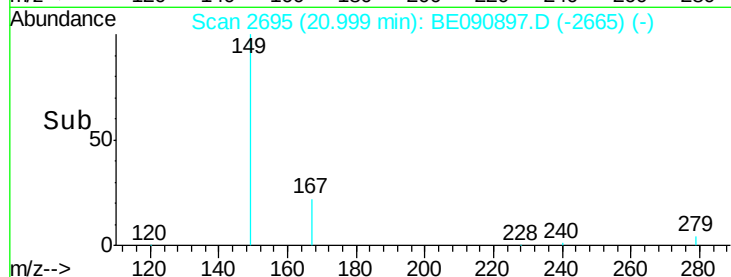
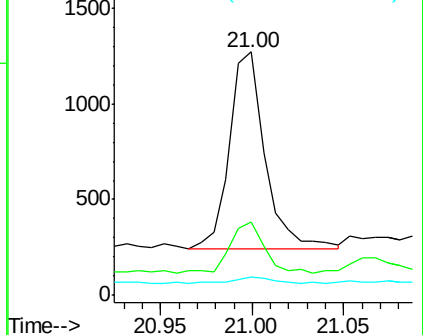
279 3.9 2.3 3.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#32

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng

RT: 25.73 min Scan# 3660

Delta R.T. 0.01 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

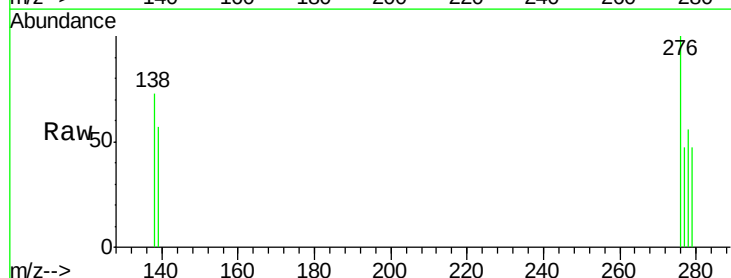
Tgt Ion:276 Resp: 539

Ion Ratio Lower Upper

276 100

138 3.7 23.3 34.9#

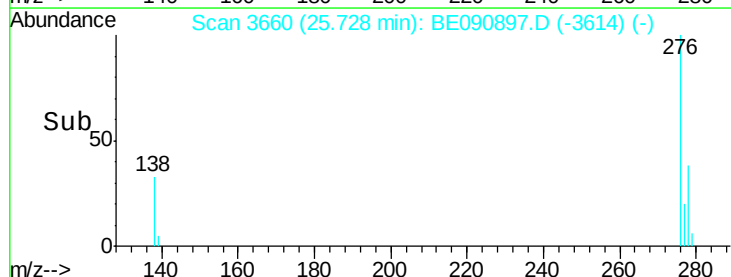
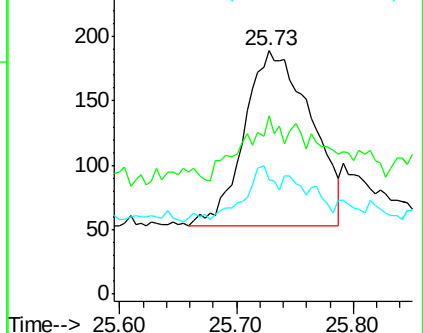
277 13.5 19.8 29.6#

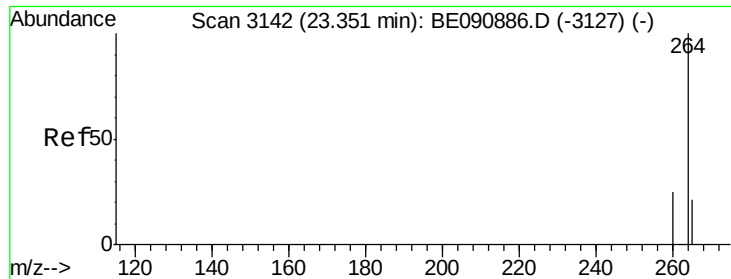


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

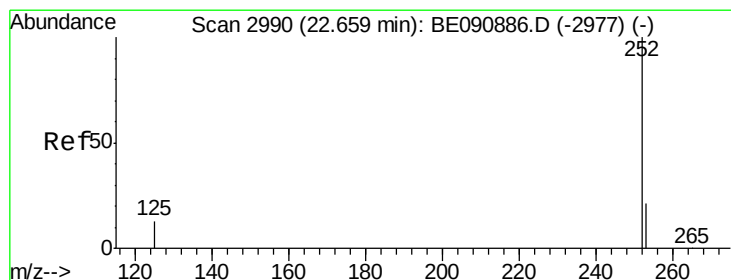
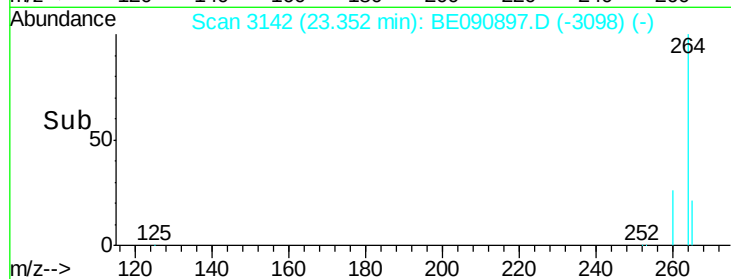
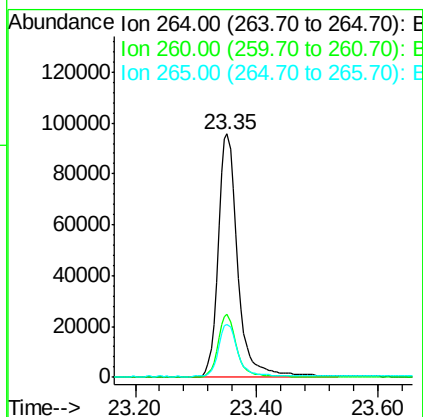
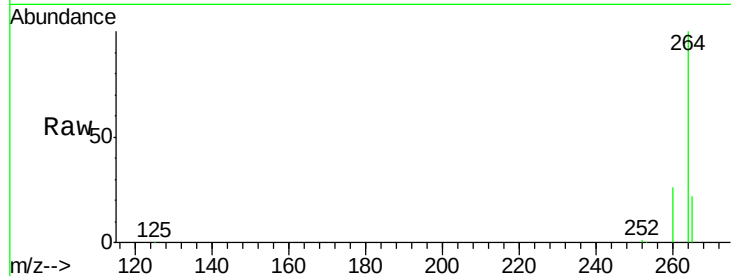




#33
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BE090897.D
Acq: 19 Sep 2015 5:42

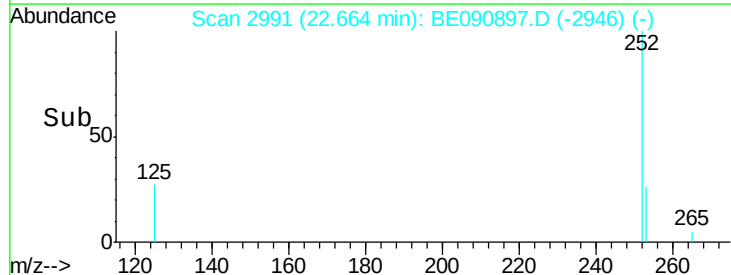
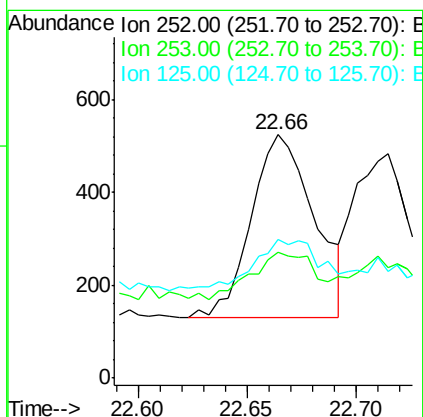
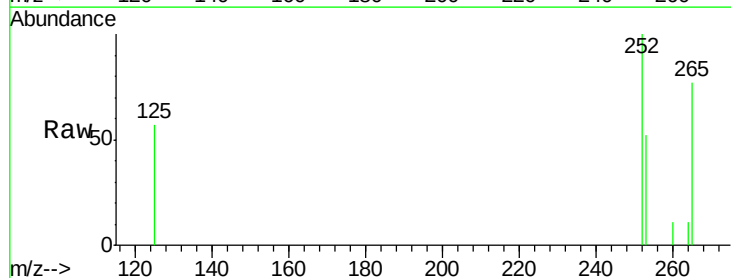
Instrument :
BNA_E
ClientSampleId :
091515-P004-E-U-M

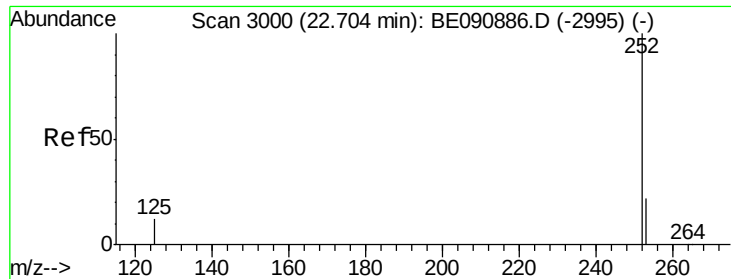
Tot Ion:264 Resp: 215437
Ion Ratio Lower Upper
264 100
260 25.7 19.7 29.5
265 21.8 17.5 26.3



#34
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 22.66 min Scan# 2991
Delta R.T. 0.00 min
Lab File: BE090897.D
Acq: 19 Sep 2015 5:42

Tgt Ion:252 Resp: 792
Ion Ratio Lower Upper
252 100
253 51.8 17.9 26.9#
125 57.1 10.6 16.0#

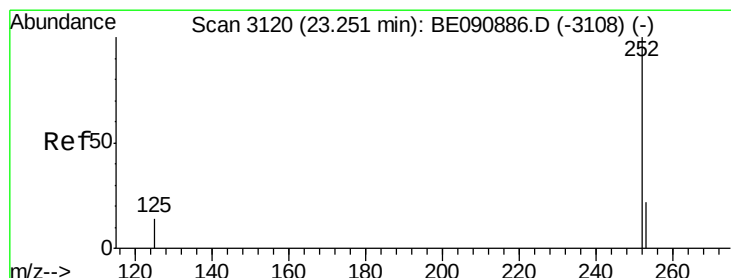
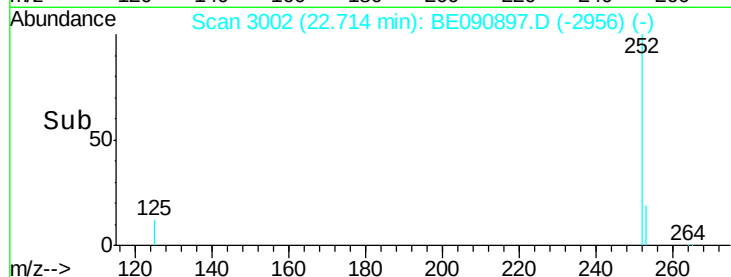
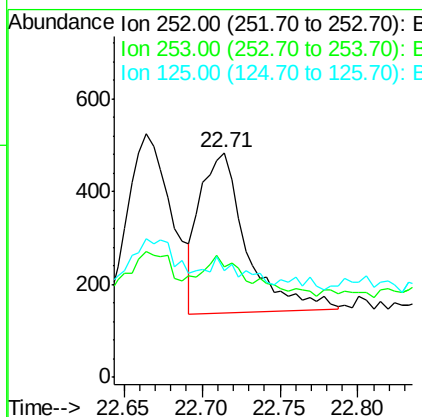
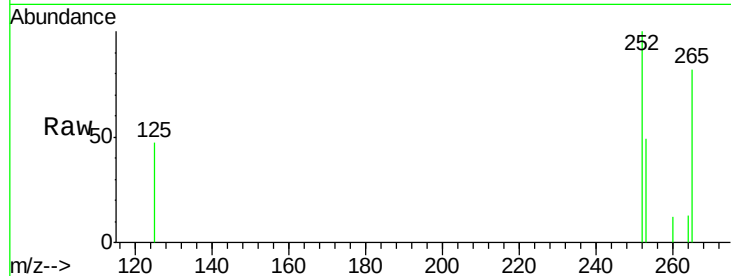




#35
Benzo(k)fluoranthene
Concen: 0.01 ng
RT: 22.71 min Scan# 3002
Delta R.T. 0.01 min
Lab File: BE090897.D
Acq: 19 Sep 2015 5:42

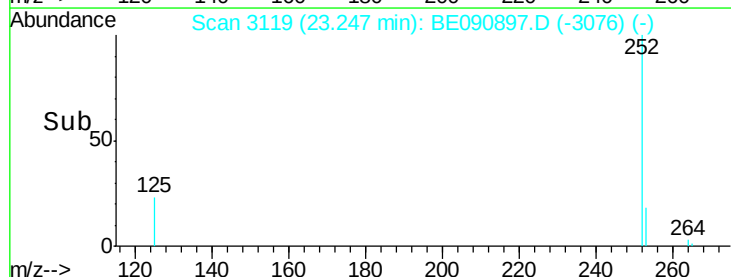
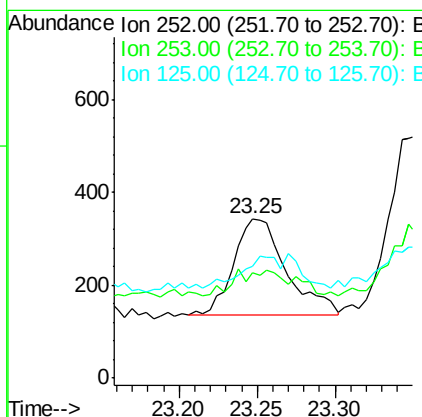
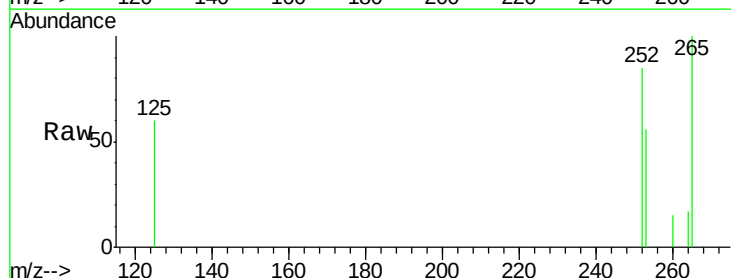
Instrument :
BNA_E
ClientSampleId :
091515-P004-E-U-M

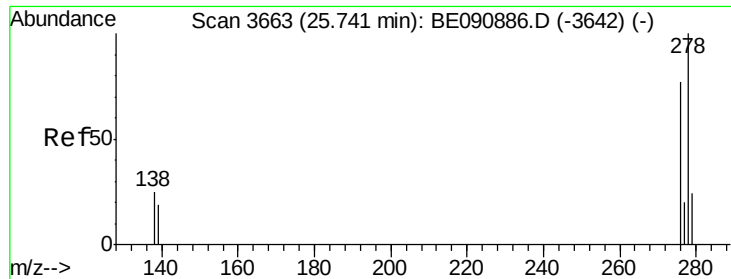
Tot Ion:252 Resp: 713
Ion Ratio Lower Upper
252 100
253 49.3 17.9 26.9#
125 47.2 10.1 15.1#



#36
Benzo(a)pyrene
Concen: 0.01 ng
RT: 23.25 min Scan# 3119
Delta R.T. -0.00 min
Lab File: BE090897.D
Acq: 19 Sep 2015 5:42

Tgt Ion:252 Resp: 491
Ion Ratio Lower Upper
252 100
253 66.0 17.2 25.8#
125 70.3 18.0 27.0#





#37

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 25.76 min Scan# 3667

Delta R.T. 0.02 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-M

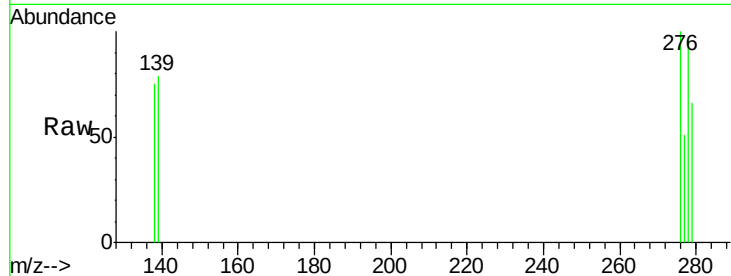
Tot Ion:278 Resp: 452

Ion Ratio Lower Upper

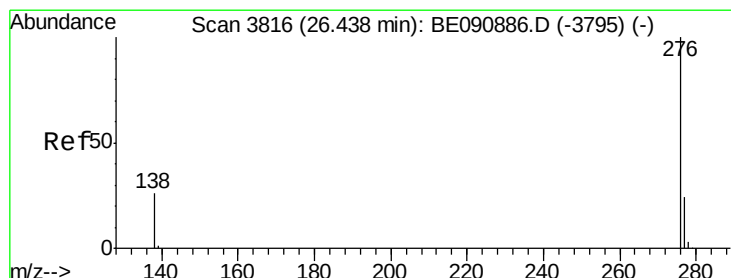
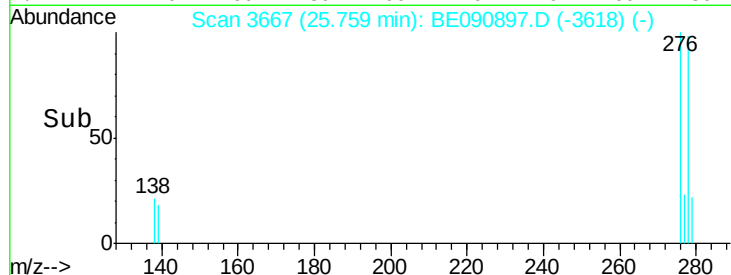
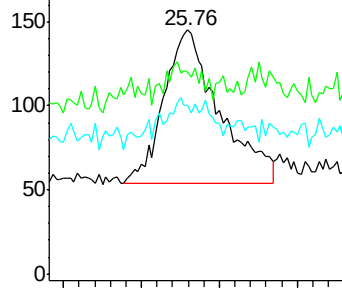
278 100

139 82.8 15.4 23.0#

279 69.0 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#38

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 26.46 min Scan# 3820

Delta R.T. 0.02 min

Lab File: BE090897.D

Acq: 19 Sep 2015 5:42

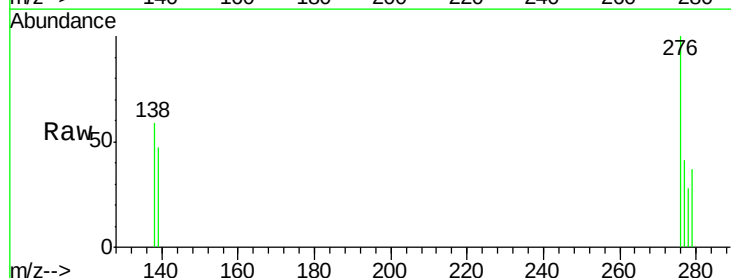
Tgt Ion:276 Resp: 635

Ion Ratio Lower Upper

276 100

277 40.6 18.5 27.7#

138 59.4 20.1 30.1#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

