

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090465.D
 Acq On : 12 Aug 2015 13:42
 Operator : UM/IZ
 Sample : G3236-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 01:19:25 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	16512	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	76490	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	44140	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	103854	5.00	ng	0.00
25) Chrysene-d12	21.09	240	120958	5.00	ng	0.00
32) Perylene-d12	23.40	264	107126	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	12175	4.91	ng	0.00
5) Phenol-d6	6.77	99	10333	2.11	ng	0.00
7) Nitrobenzene-d5	8.73	82	21693	3.54	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	13045	9.07	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	53140	4.38	ng	0.00
27) Terphenyl-d14	19.55	244	100001	5.61	ng	-0.01

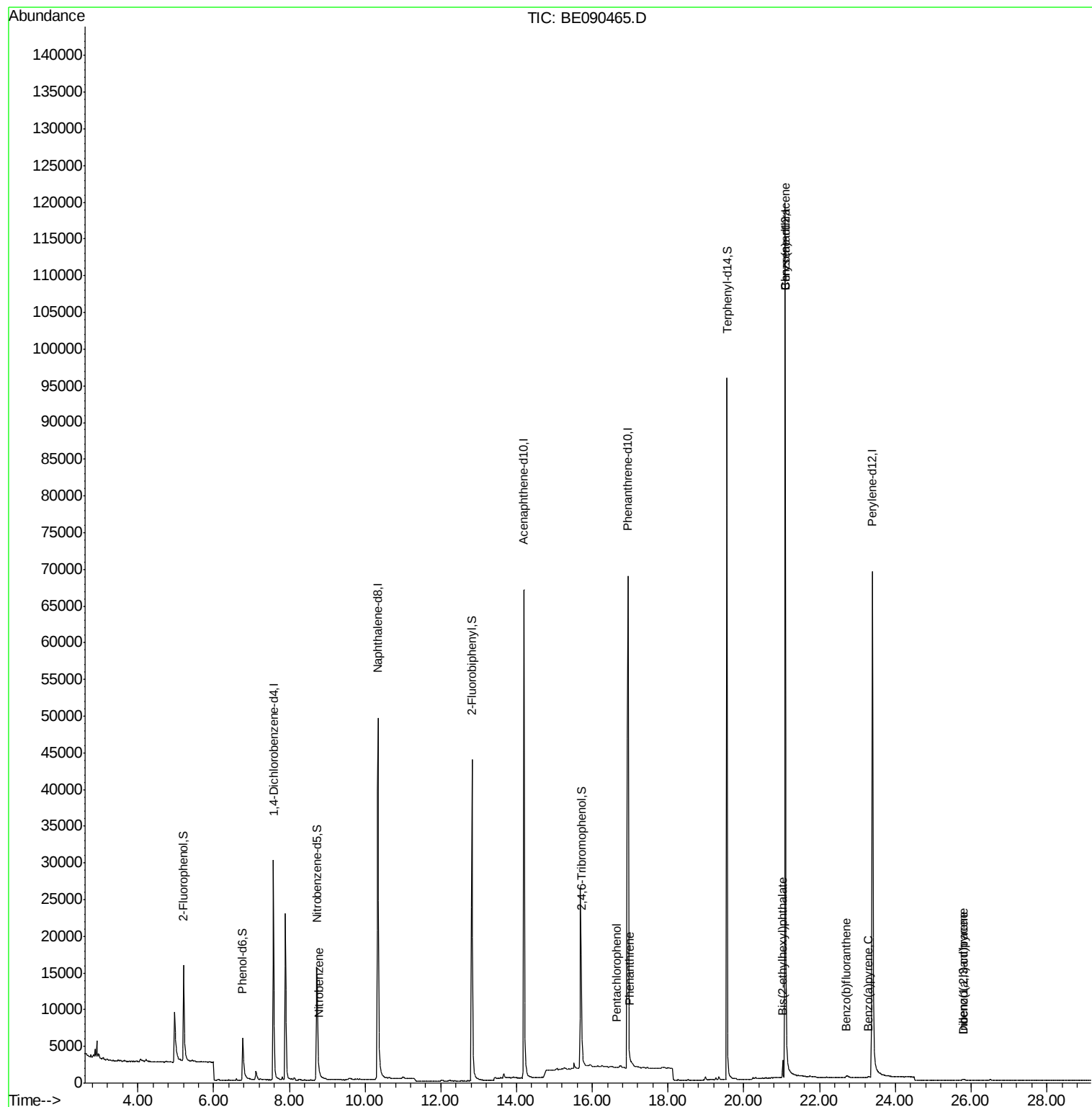
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	32	Below Cal	#	15
8) Nitrobenzene	8.78	77	10	0.21 ng	#	64
10) Hexachlorobutadiene	10.69	225	17	Below Cal	#	41
21) Pentachlorophenol	16.63	266	49	0.17 ng	#	72
22) Phenanthrene	16.98	178	578	0.02 ng	#	83
28) Benzo(a)anthracene	21.09	228	698	0.03 ng	#	74
30) Bis(2-ethylhexyl)phthalate	21.03	149	2154	0.44 ng		100
31) Indeno(1,2,3-cd)pyrene	25.78	276	320	0.26 ng	#	87
33) Benzo(b)fluoranthene	22.70	252	323	0.21 ng	#	2
35) Benzo(a)pyrene	23.30	252	264	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	231	0.29 ng	#	1

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

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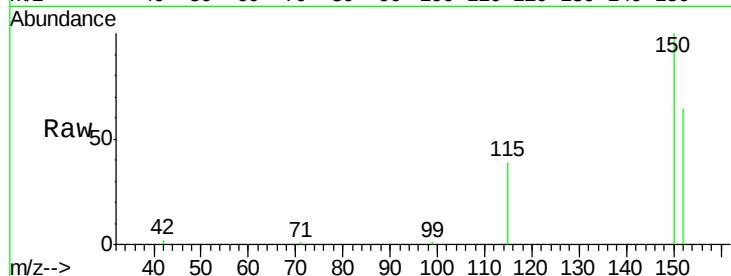




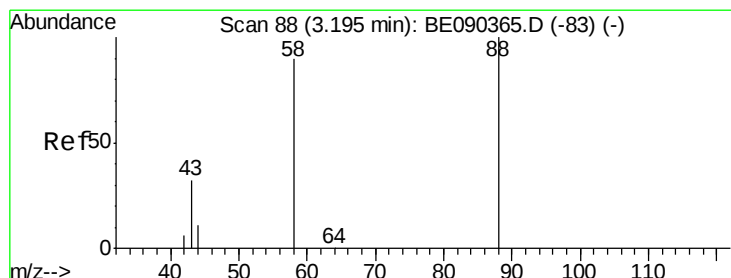
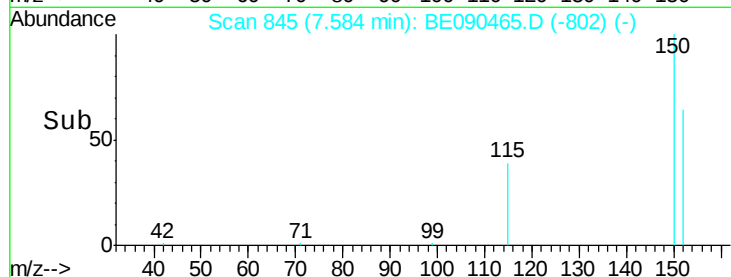
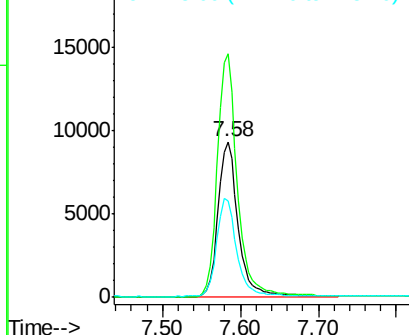
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.58 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BE090465.D
 Acq: 12 Aug 2015 13:42

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 16512
 Ion Ratio Lower Upper
 152 100
 150 156.6 123.0 184.4
 115 61.8 48.9 73.3

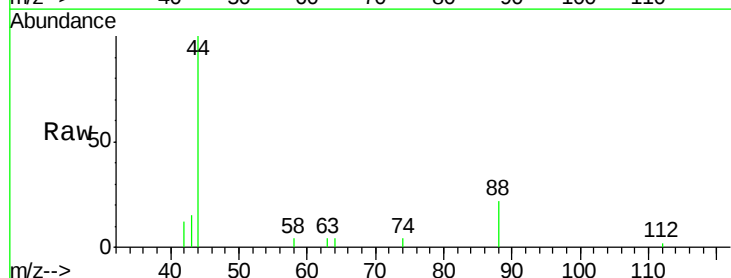


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

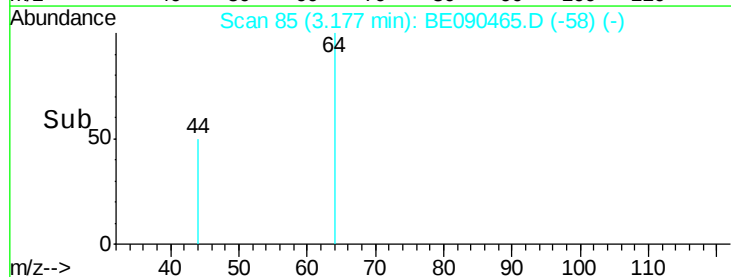
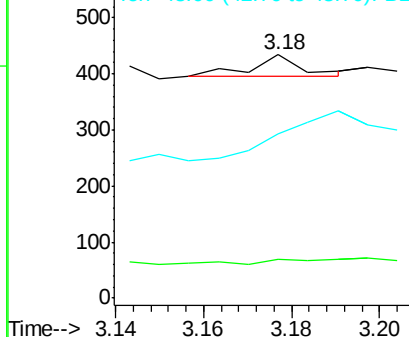


#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.18 min Scan# 85
 Delta R.T. -0.02 min
 Lab File: BE090465.D
 Acq: 12 Aug 2015 13:42

Tgt Ion: 88 Resp: 32
 Ion Ratio Lower Upper
 88 100
 58 0.0 70.0 105.0#
 43 0.0 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





#4

2-Fluorophenol

Concen: 4.91 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

Instrument :

BNA_E

ClientSampleId :

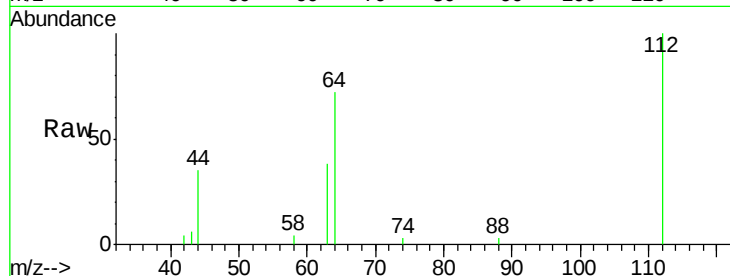
Tot Ion:112 Resp: 12175

Ion Ratio Lower Upper

112 100

64 70.3 37.1 55.7#

63 36.9 19.5 29.3#



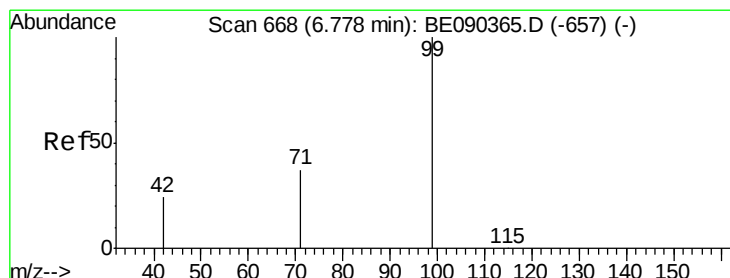
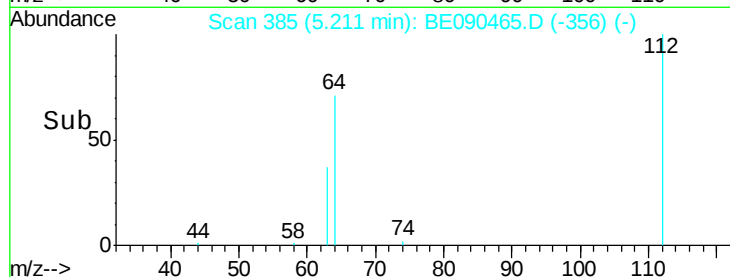
Abundance Ion 112.00 (111.70 to 112.70): BE090365.D (-380) (-)

Ion 64.00 (63.70 to 64.70): BE090365.D (-380) (-)

Ion 63.00 (62.70 to 63.70): BE090365.D (-380) (-)

5.21

Time-->



#5

Phenol-d6

Concen: 2.11 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

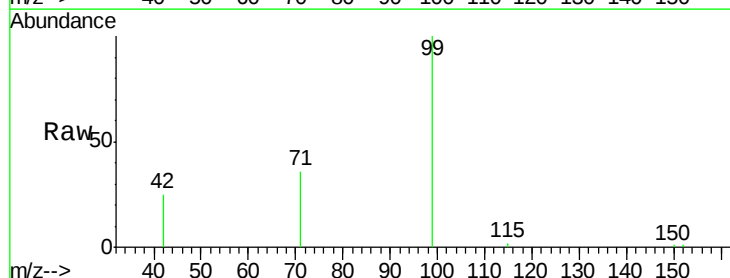
Tgt Ion: 99 Resp: 10333

Ion Ratio Lower Upper

99 100

42 22.3 18.2 27.4

71 35.4 27.4 41.0



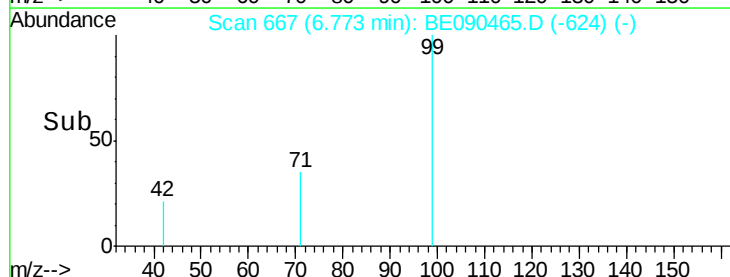
Abundance Ion 99.00 (98.70 to 99.70): BE090365.D (-657) (-)

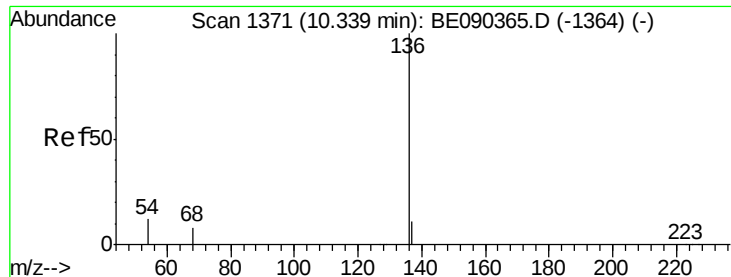
Ion 42.00 (41.70 to 42.70): BE090365.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BE090365.D (-657) (-)

6.77

Time-->





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 76490

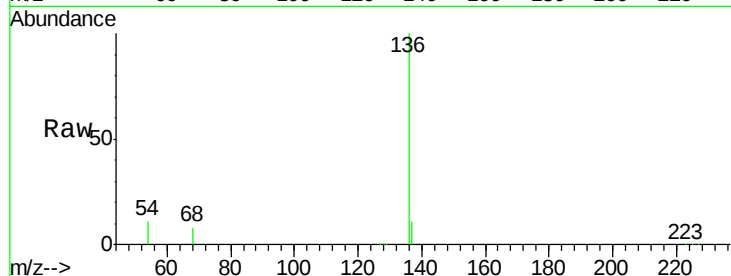
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.2	9.4	14.0
68	8.2	6.5	9.7

136 100

137 10.9 8.7 13.1

54 11.2 9.4 14.0

68 8.2 6.5 9.7

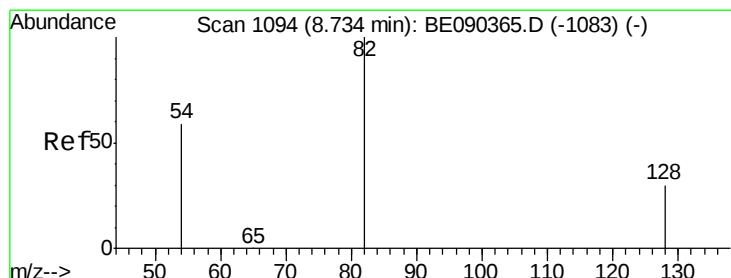
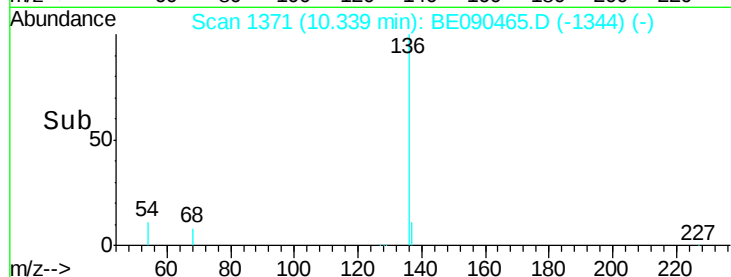
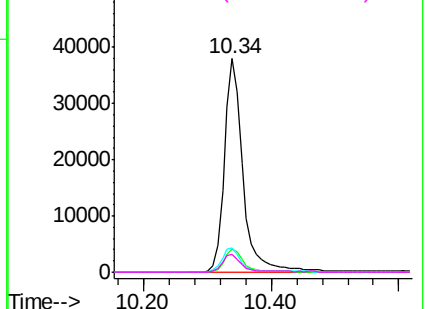


Abundance Ion 136.00 (135.70 to 136.70): BE090465.D (-1364) (-)

Ion 137.00 (136.70 to 137.70): BE090465.D (-1364) (-)

Ion 54.00 (53.70 to 54.70): BE090465.D (-1364) (-)

Ion 68.00 (67.70 to 68.70): BE090465.D (-1364) (-)



#7

Nitrobenzene-d5

Concen: 3.54 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

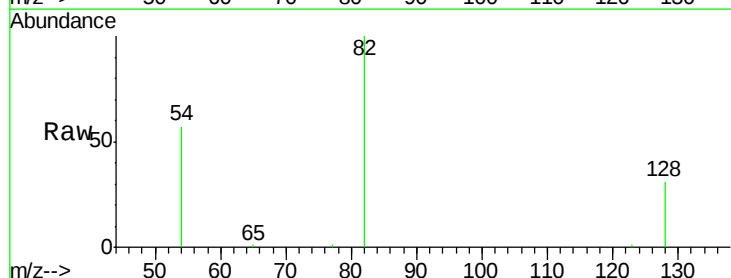
Tgt Ion: 82 Resp: 21693

Ion	Ratio	Lower	Upper
82	100		
128	31.2	25.0	37.6
54	57.3	48.8	73.2

82 100

128 31.2 25.0 37.6

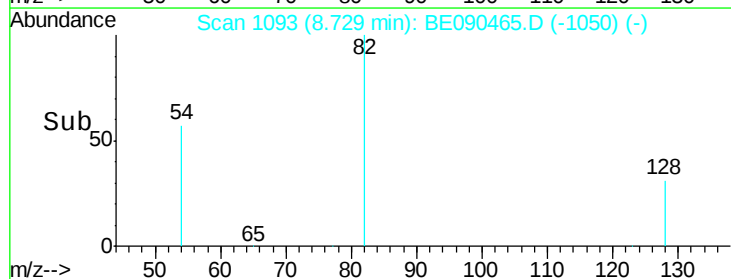
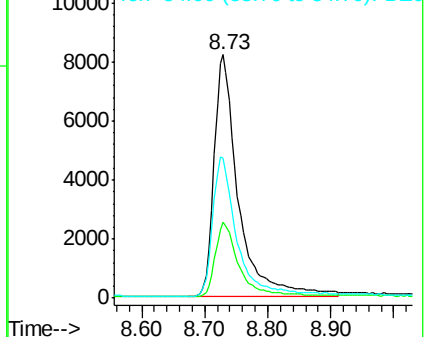
54 57.3 48.8 73.2

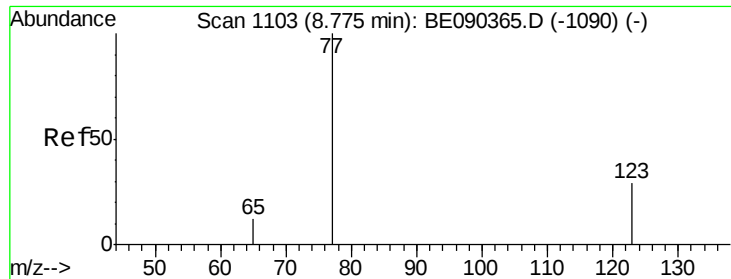


Abundance Ion 82.00 (81.70 to 82.70): BE090465.D (-1083) (-)

Ion 128.00 (127.70 to 128.70): BE090465.D (-1083) (-)

Ion 54.00 (53.70 to 54.70): BE090465.D (-1083) (-)





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.78 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

Instrument :

BNA_E

ClientSampled :

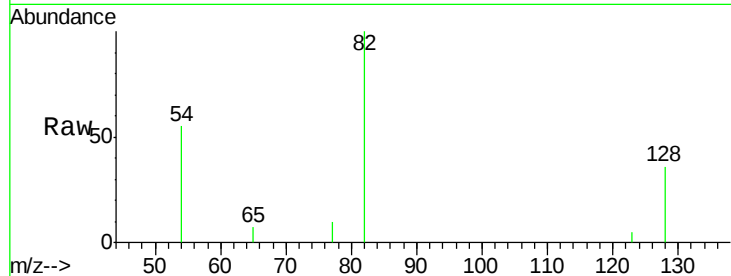
Tot Ion: 77 Resp: 10

Ion Ratio Lower Upper

77 100

123 10.0 25.1 37.7#

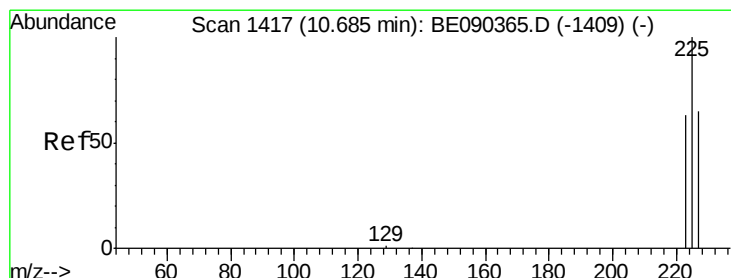
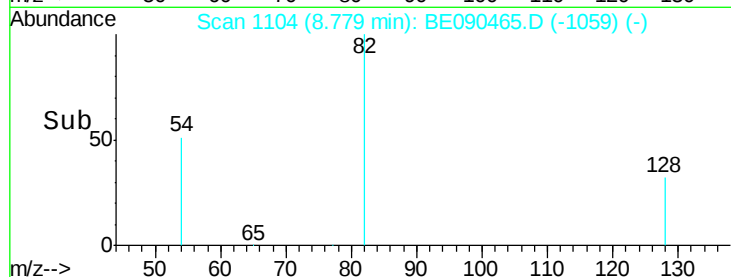
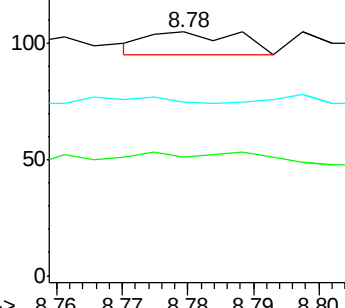
65 0.0 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE090365.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090365.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090365.D (-1090) (-)



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.69 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

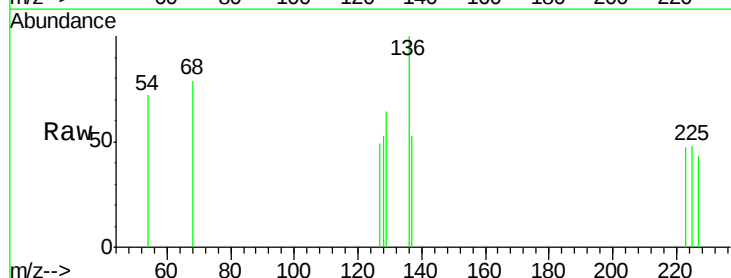
Tgt Ion: 225 Resp: 17

Ion Ratio Lower Upper

225 100

223 35.3 50.6 75.8#

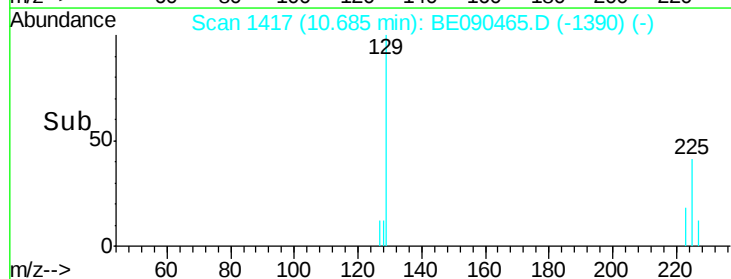
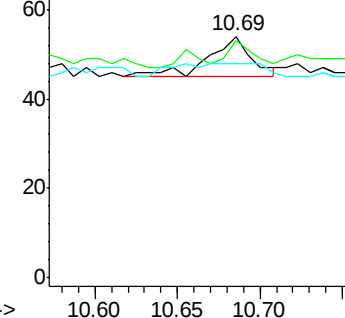
227 0.0 50.7 76.1#

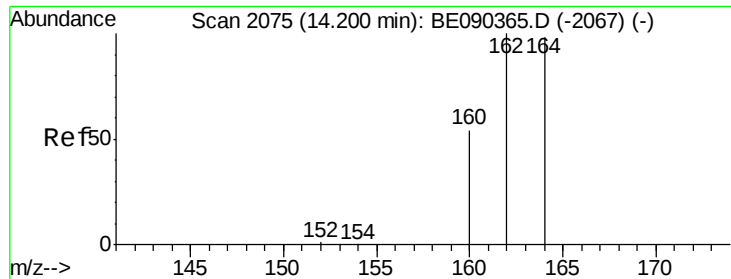


Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

Ion 223.00 (222.70 to 223.70): BE090365.D (-1409) (-)

Ion 227.00 (226.70 to 227.70): BE090365.D (-1409) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

Instrument :

BNA_E

ClientSampleId :

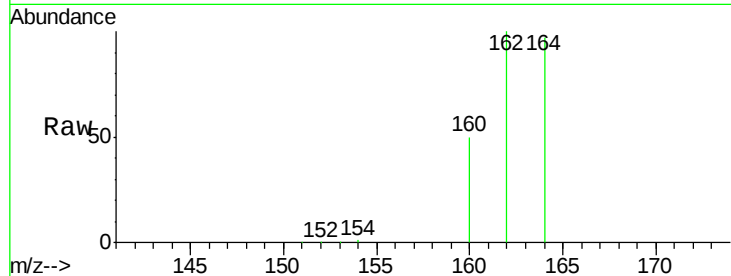
Tot Ion:164 Resp: 44140

Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.8

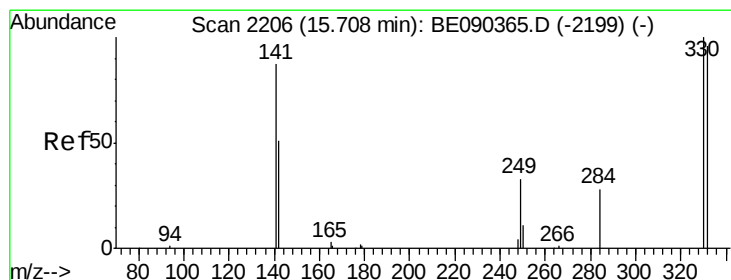
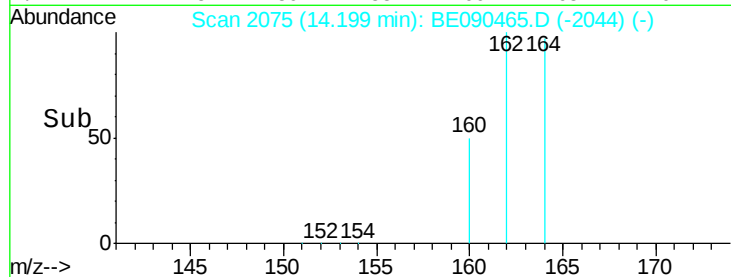
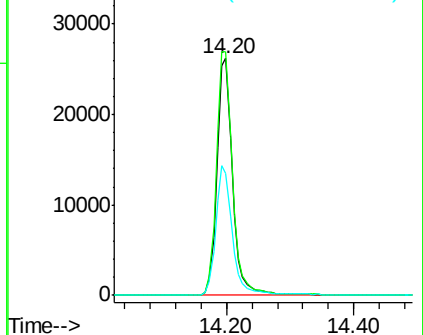
160 51.3 44.2 66.4



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: 9.07 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

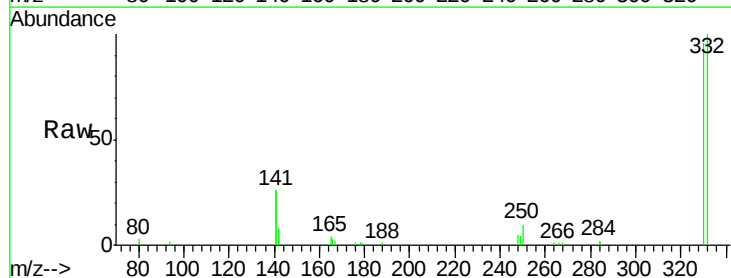
Tgt Ion:330 Resp: 13045

Ion Ratio Lower Upper

330 100

332 97.3 75.8 113.6

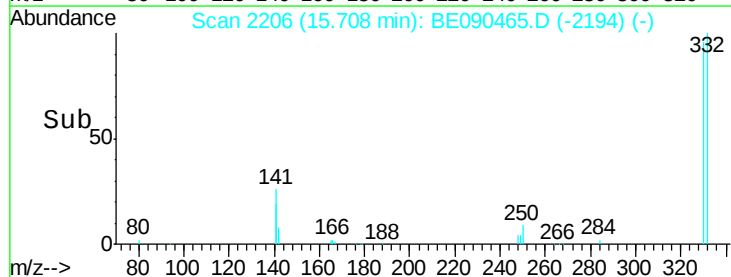
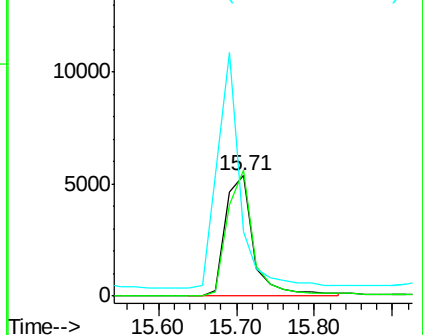
141 164.8 114.4 171.6

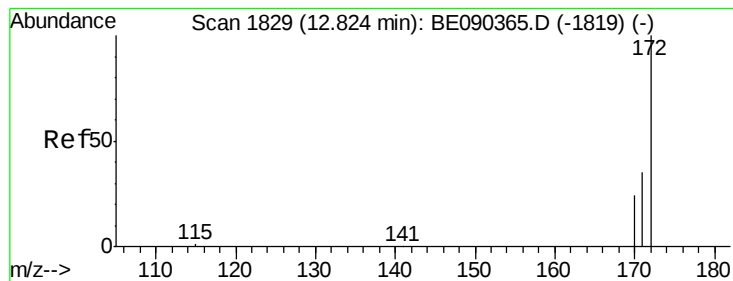


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

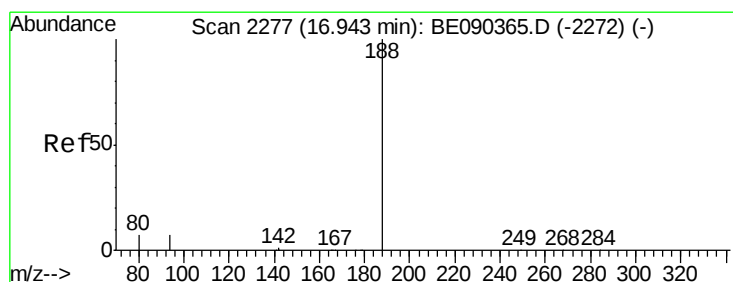
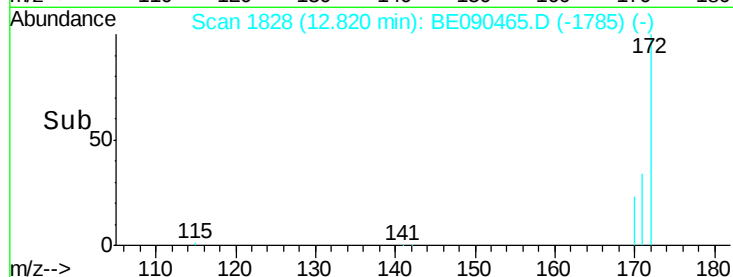
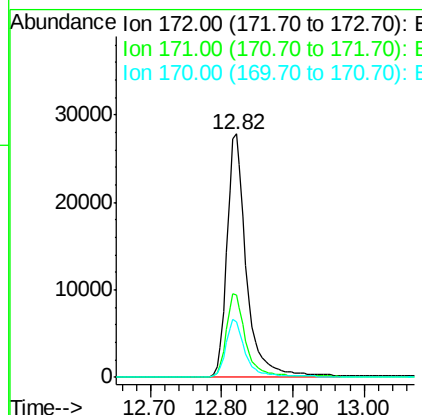
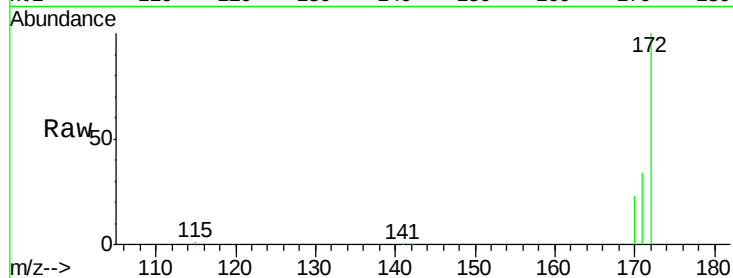




#14
2-Fluorobiphenyl
Concen: 4.38 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090465.D
Acq: 12 Aug 2015 13:42

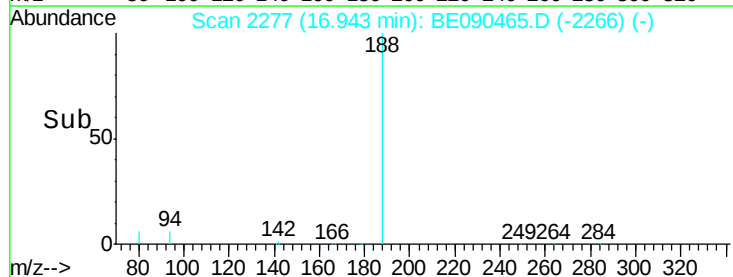
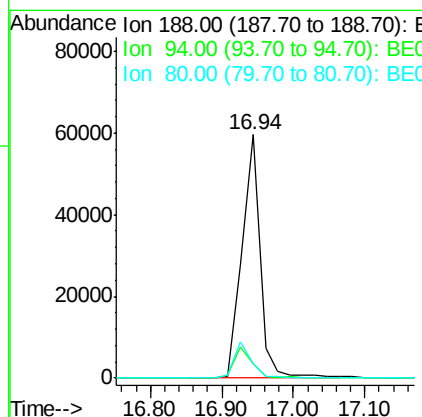
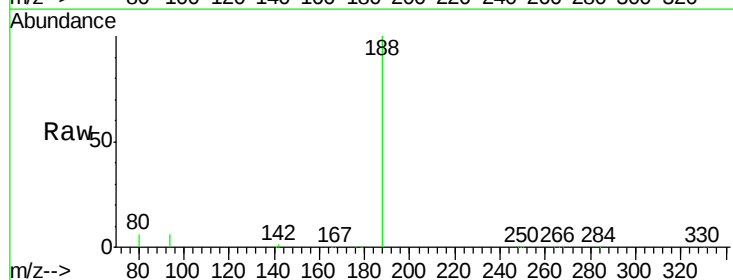
Instrument :
BNA_E
ClientSampleId :

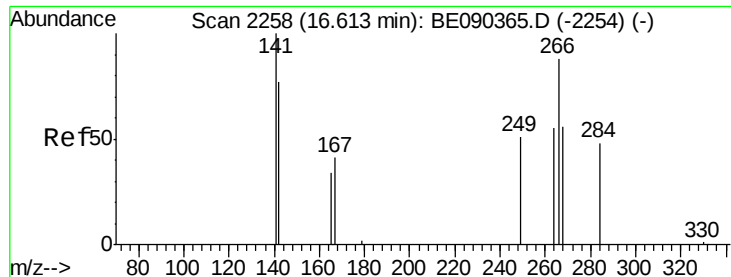
Tot Ion:172 Resp: 53140
Ion Ratio Lower Upper
172 100
171 34.1 28.5 42.7
170 22.8 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090465.D
Acq: 12 Aug 2015 13:42

Tgt Ion:188 Resp: 103854
Ion Ratio Lower Upper
188 100
94 5.8 5.7 8.5
80 6.2 5.8 8.8





#21

Pentachlorophenol

Concen: 0.17 ng

RT: 16.63 min Scan# 2259

Delta R.T. 0.02 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

Instrument :

BNA_E

ClientSampleId :

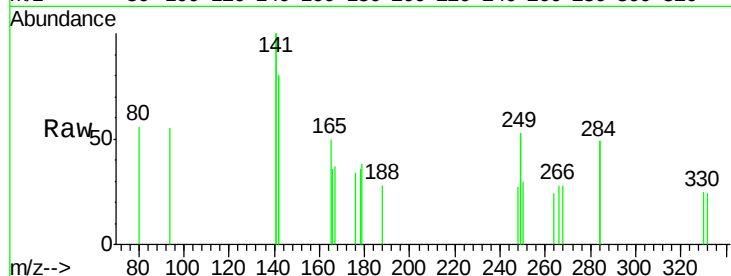
Tot Ion:266 Resp: 49

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

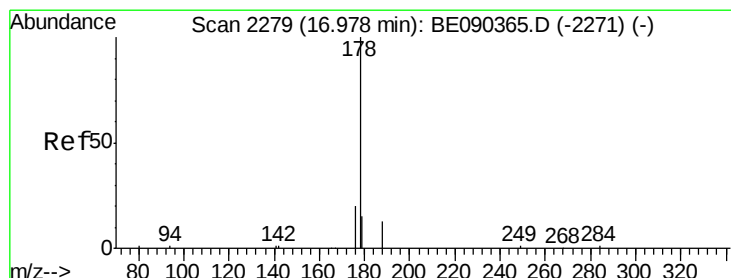
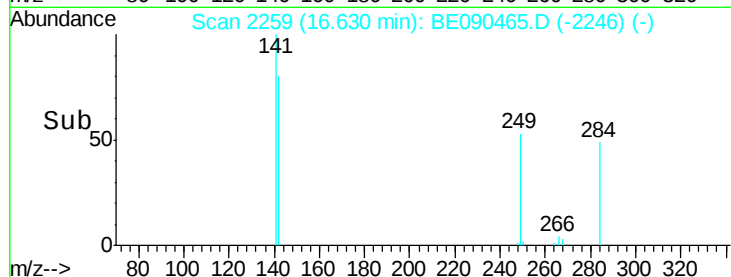
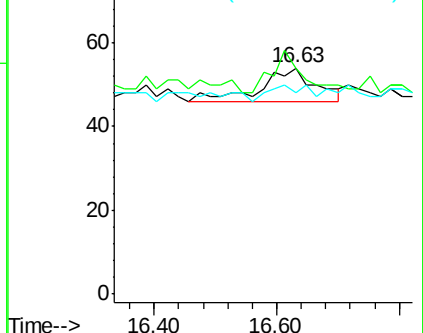
264 88.9 56.0 84.0#



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: 0.02 ng

RT: 16.98 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

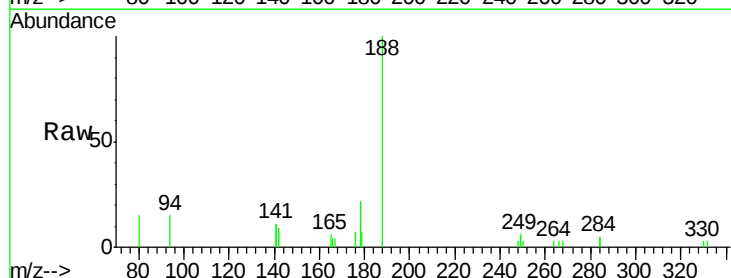
Tgt Ion:178 Resp: 578

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

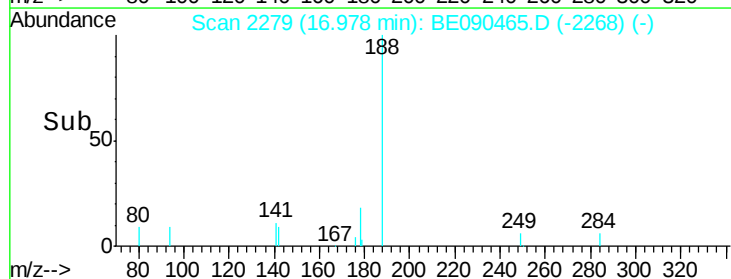
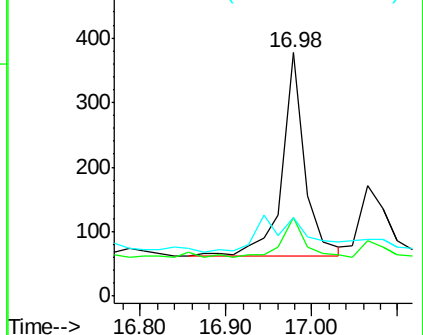
179 0.0 12.5 18.7#

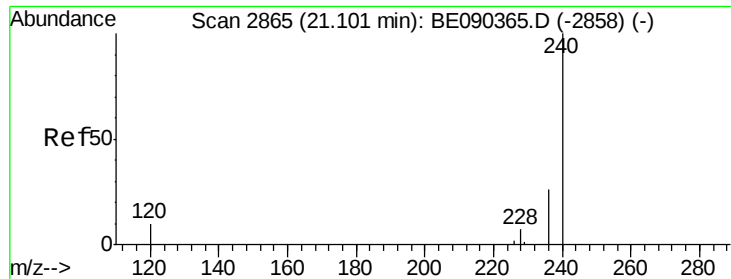


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

Instrument :

BNA_E

ClientSampleId :

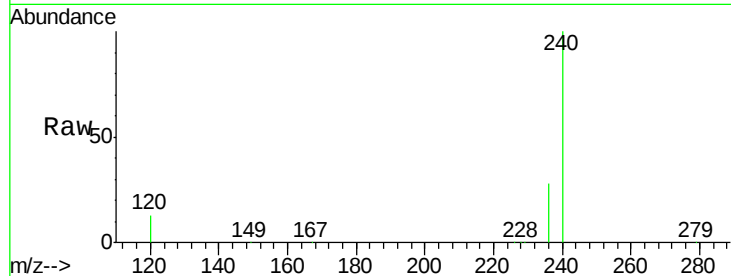
Tot Ion:240 Resp: 120958

Ion Ratio Lower Upper

240 100

120 13.3 8.3 12.5#

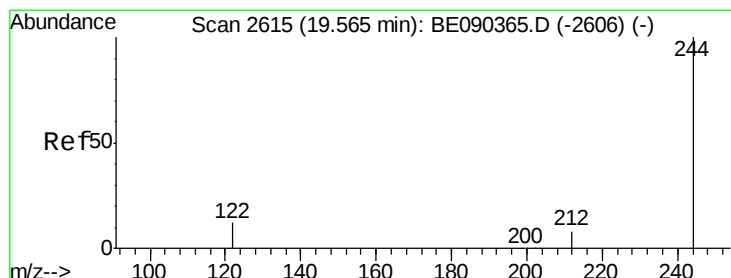
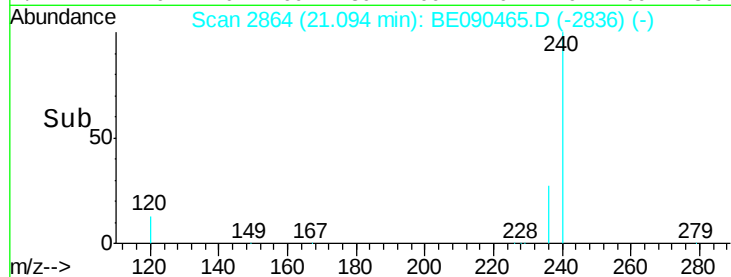
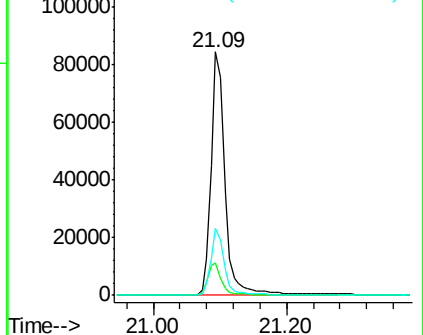
236 27.5 21.0 31.4



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



#27

Terphenyl-d14

Concen: 5.61 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

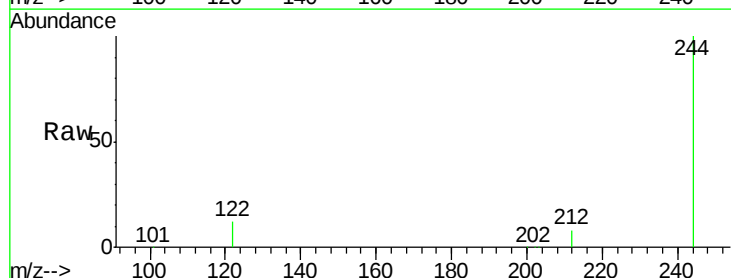
Tgt Ion:244 Resp: 100001

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

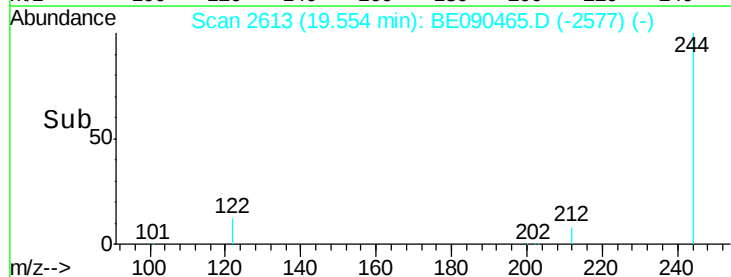
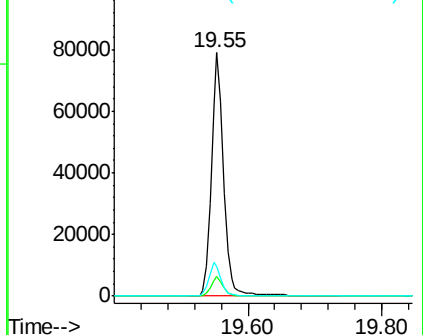
122 12.4 10.2 15.4

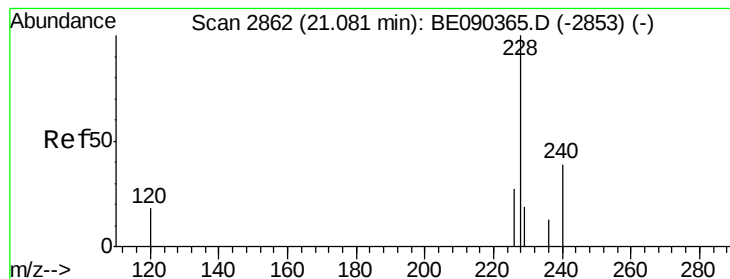


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.09 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

Instrument :

BNA_E

ClientSampleId :

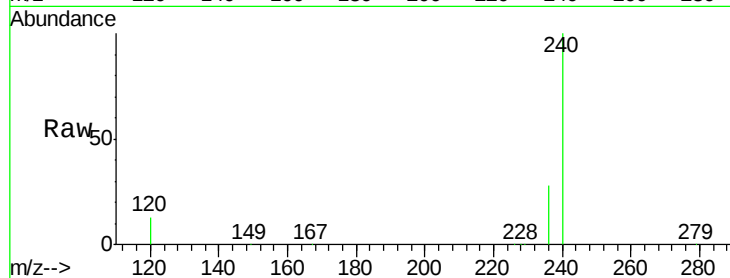
Tot Ion:228 Resp: 698

Ion Ratio Lower Upper

228 100

226 32.5 21.9 32.9

229 41.8 15.4 23.0#



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

21.09

400

300

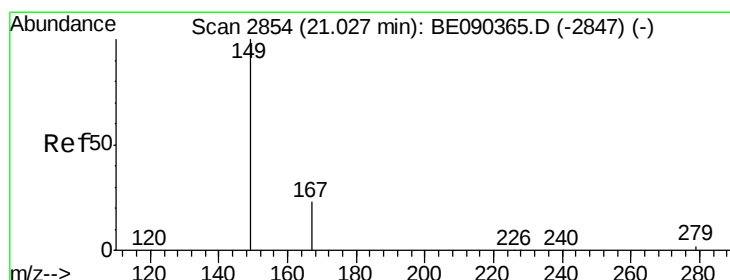
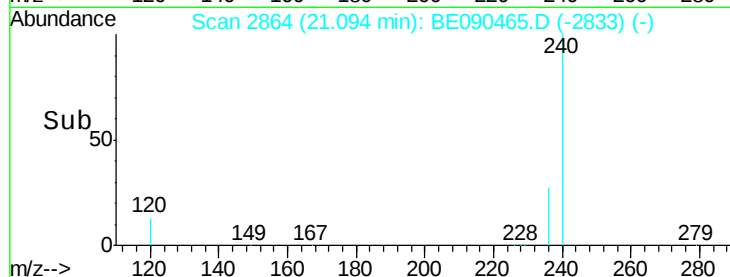
200

100

0

21.00 21.05 21.10

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.44 ng

RT: 21.03 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

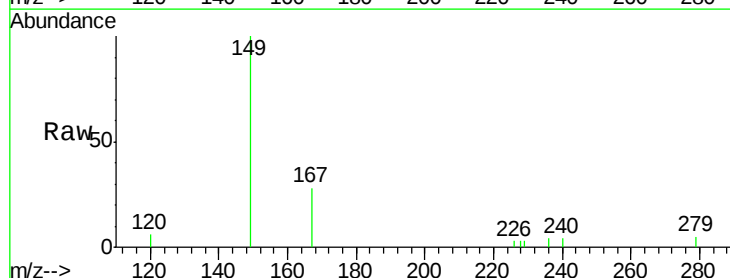
Tgt Ion:149 Resp: 2154

Ion Ratio Lower Upper

149 100

167 24.7 19.8 29.8

279 3.1 2.4 3.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.03

2500

2000

1500

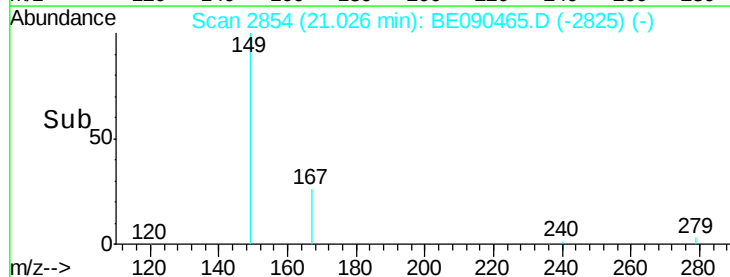
1000

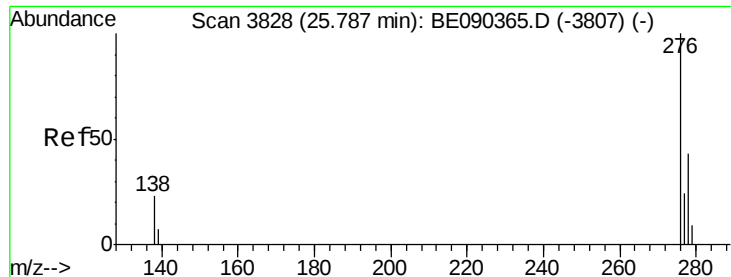
500

0

21.00 21.05 21.10

Time-->

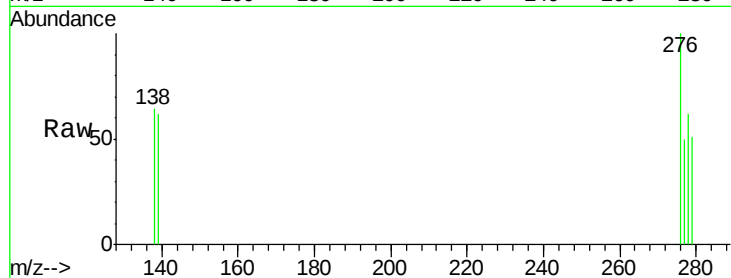




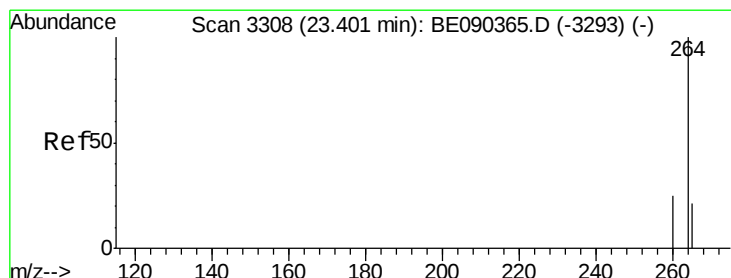
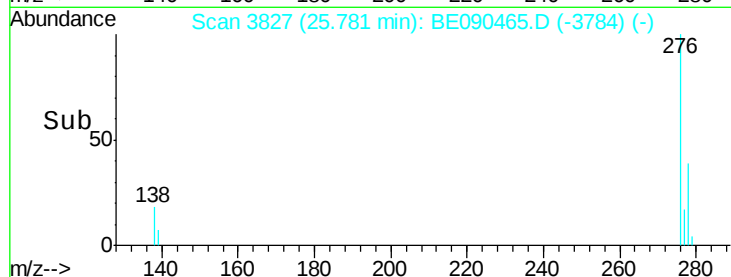
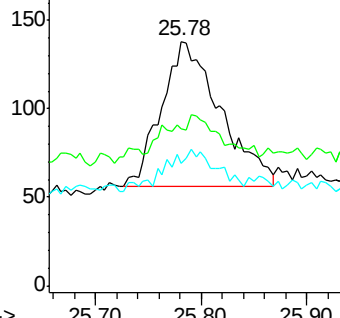
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 25.78 min Scan# 3827
 Delta R.T. -0.00 min
 Lab File: BE090465.D
 Acq: 12 Aug 2015 13:42

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 320
 Ion Ratio Lower Upper
 276 100
 138 14.4 18.8 28.2#
 277 25.9 18.2 27.4

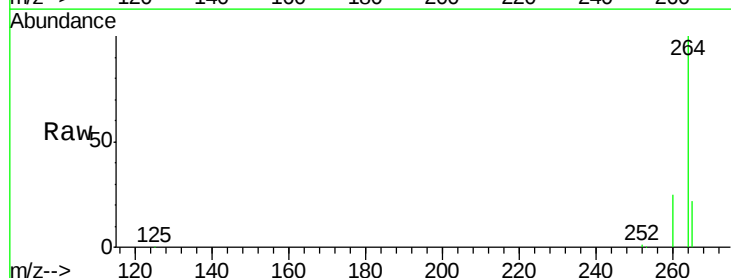


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

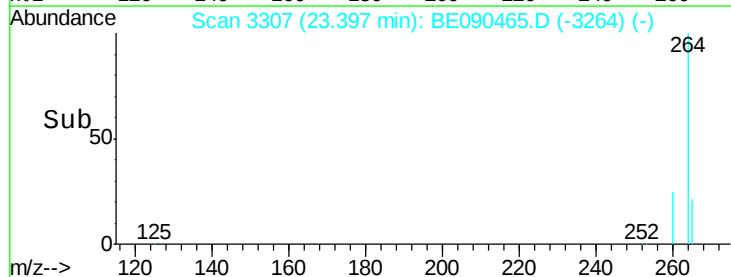
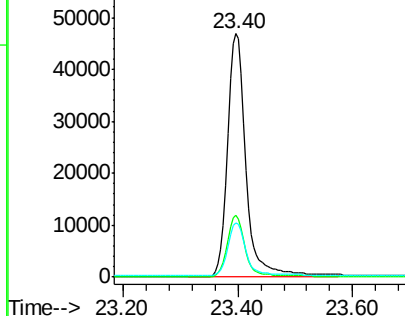


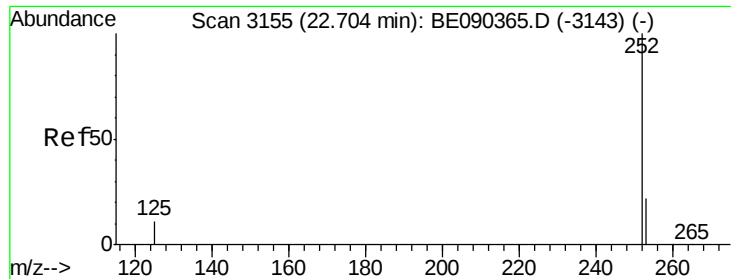
#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090465.D
 Acq: 12 Aug 2015 13:42

Tgt Ion:264 Resp: 107126
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.1 30.1
 265 22.0 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: 0.21 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.00 min

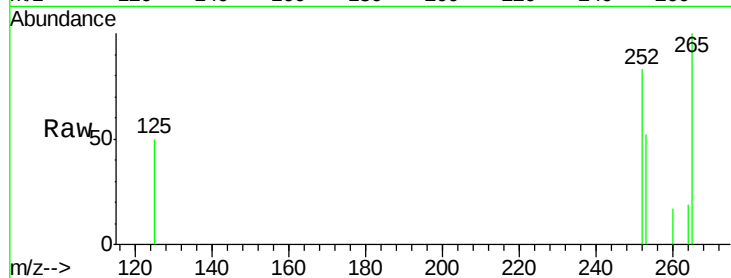
Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

Instrument :

BNA_E

ClientSampleId :



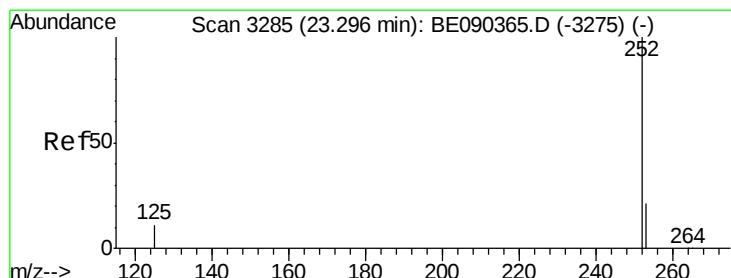
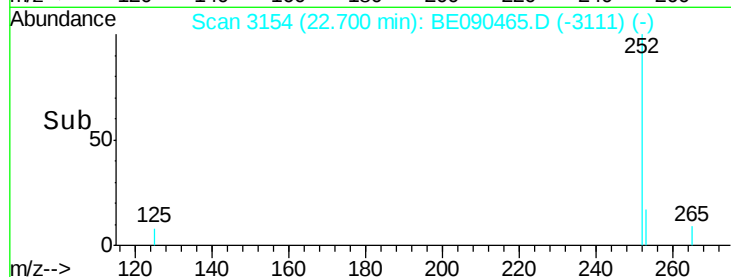
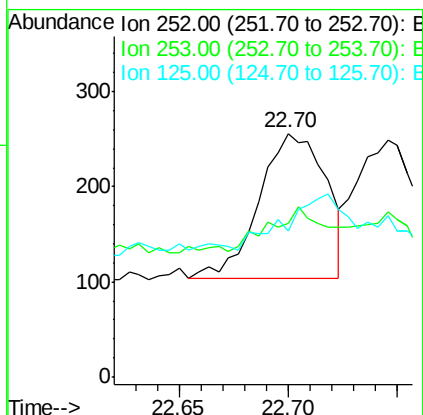
Tot Ion:252 Resp: 323

Ion Ratio Lower Upper

252 100

253 62.9 18.1 27.1#

125 59.8 9.4 14.2#



#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

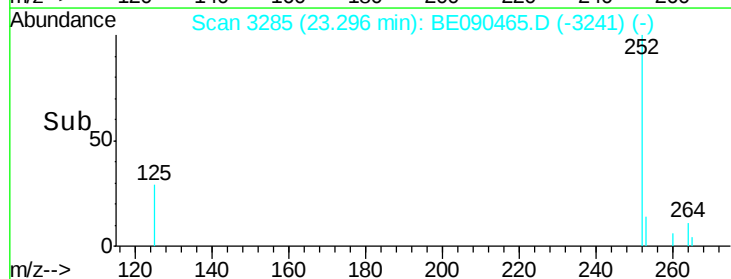
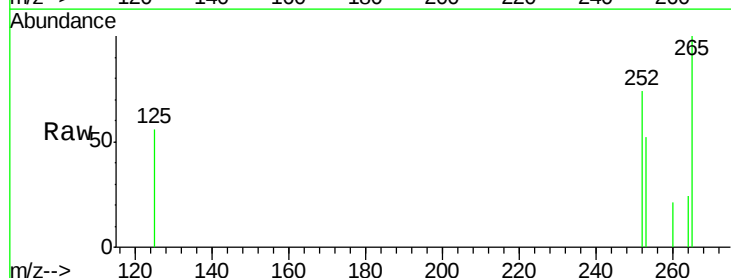
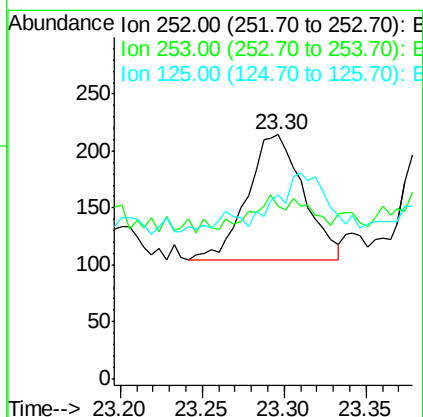
Tgt Ion:252 Resp: 264

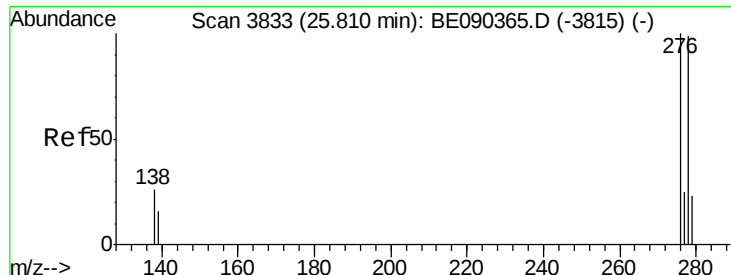
Ion Ratio Lower Upper

252 100

253 70.6 17.6 26.4#

125 75.7 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3833

Delta R.T. -0.00 min

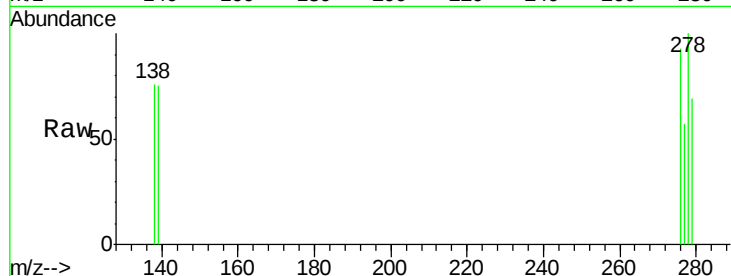
Lab File: BE090465.D

Acq: 12 Aug 2015 13:42

Instrument :

BNA_E

ClientSampleId :



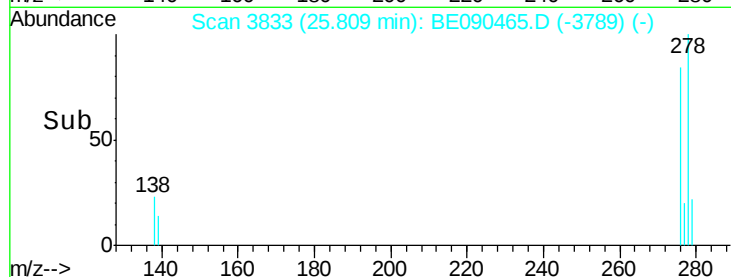
Tot Ion: 278 Resp: 231

Ion Ratio Lower Upper

278 100

139 74.8 14.2 21.4#

279 68.7 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

