

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090814.D
 Acq On : 15 Sep 2015 00:33
 Operator : UM/IZ
 Sample : G3658-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091215-D534-E-U-B

Quant Time: Sep 15 03:51:48 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	32311	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	133015	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	67542	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	173838	5.00	ng	0.00
25) Chrysene-d12	21.07	240	230995	5.00	ng	0.00
32) Perylene-d12	23.35	264	218877	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	15218	2.43	ng	0.00
5) Phenol-d6	6.76	99	11107	1.23	ng	0.00
7) Nitrobenzene-d5	8.72	82	26906	3.06	ng	0.01
13) 2,4,6-Tribromophenol	15.67	330	10670	5.43	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	63493	3.39	ng	0.00
27) Terphenyl-d14	19.53	244	121203	4.74	ng	-0.01

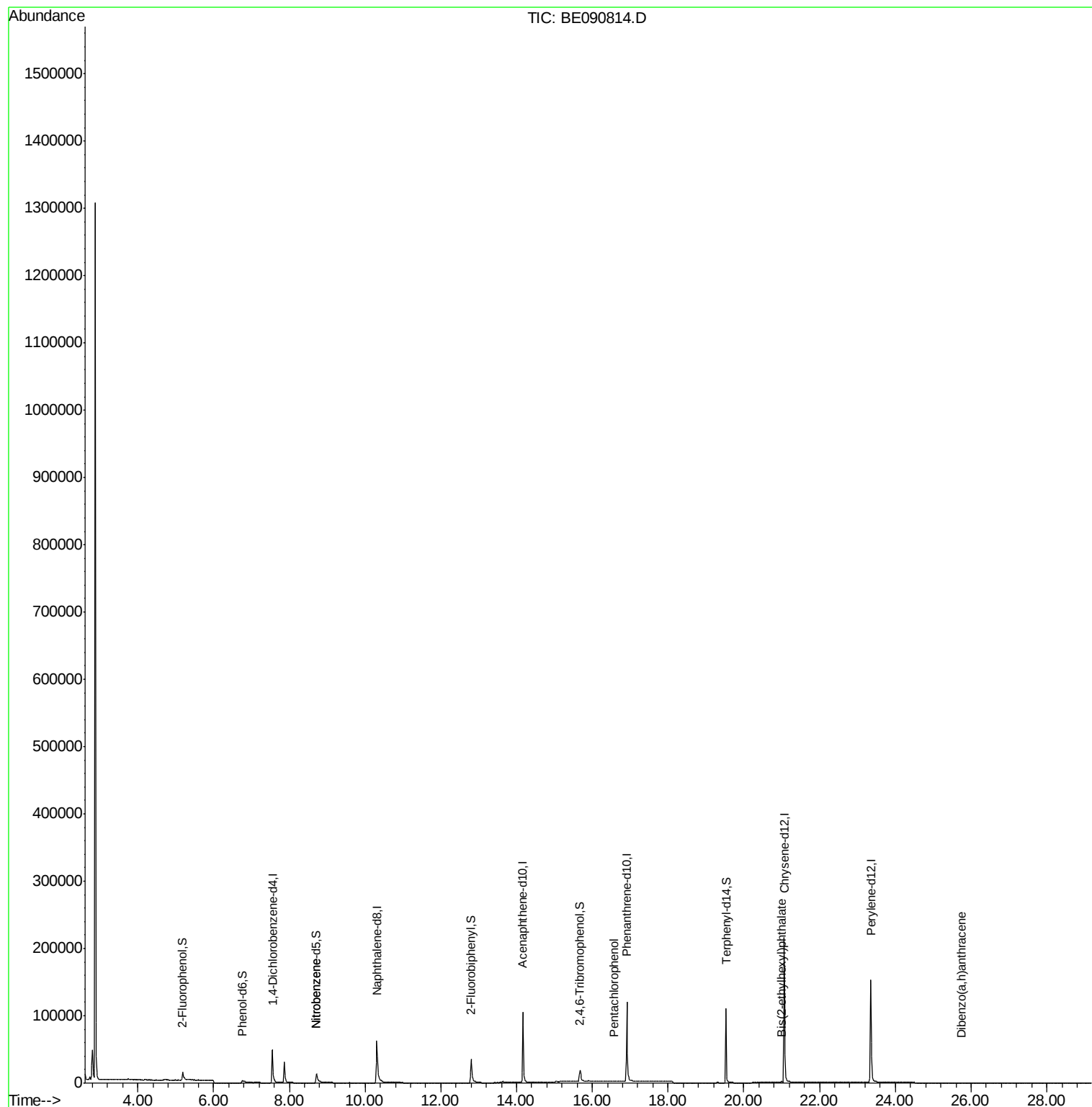
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	164	Below Cal	#	16
3) n-Nitrosodimethylamine	3.42	42	63	Below Cal	#	51
8) Nitrobenzene	8.71	77	48	0.11 ng	#	44
20) Hexachlorobenzene	16.27	284	50	Below Cal	#	37
21) Pentachlorophenol	16.56	266	29	0.47 ng	#	62
29) Chrysene	21.07	228	821	Below Cal	#	78
30) Bis(2-ethylhexyl)phthalate	21.00	149	1995	0.21 ng	#	93
36) Dibenzo(a,h)anthracene	25.75	278	12	0.14 ng	#	1

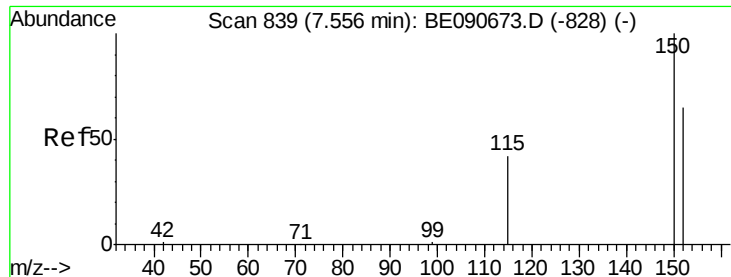
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-U-B

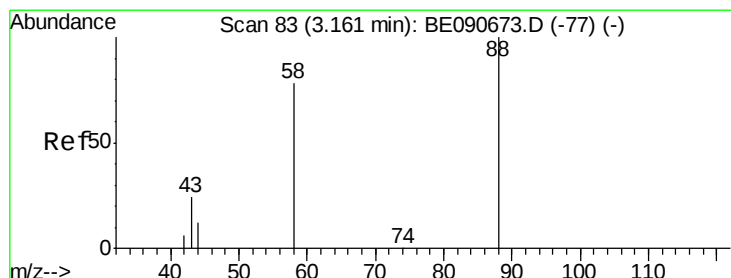
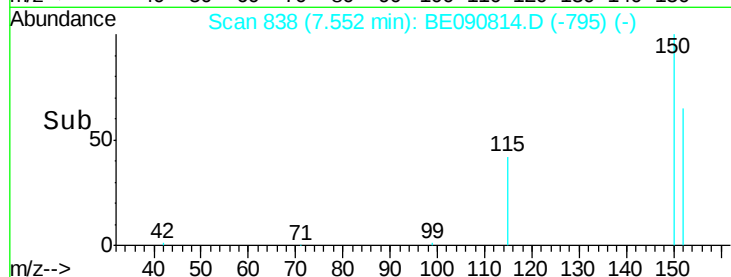
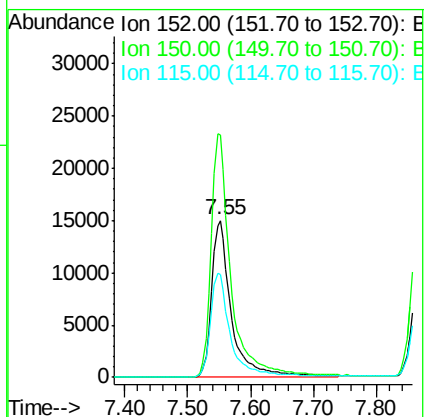
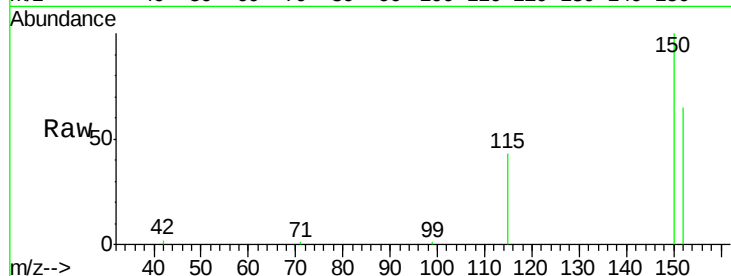
Tot Ion:152 Resp: 32311

Ion Ratio Lower Upper

152 100

150 154.3 122.2 183.4

115 65.8 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.17 min Scan# 84

Delta R.T. 0.01 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

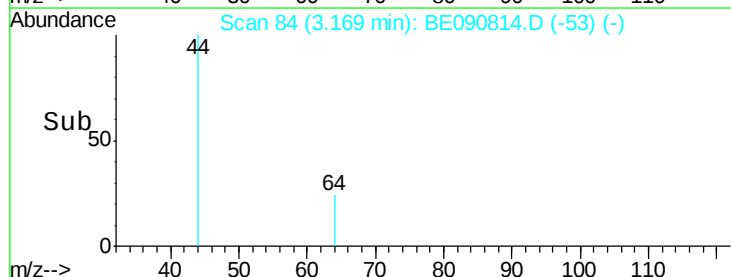
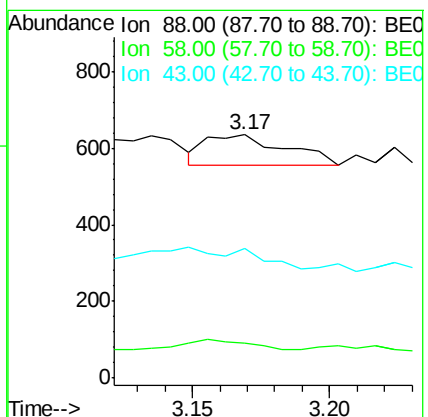
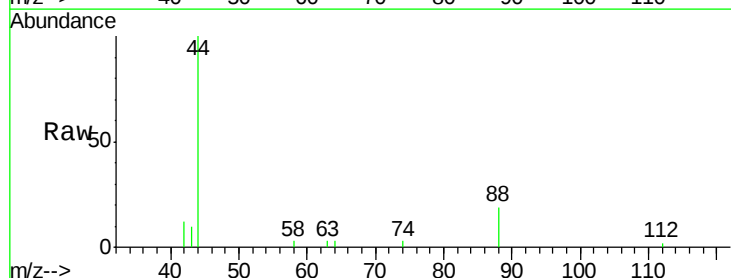
Tgt Ion: 88 Resp: 164

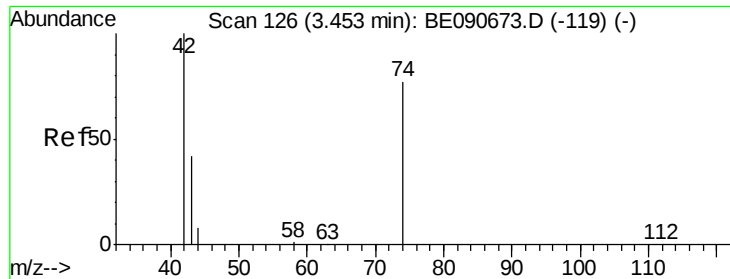
Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

43 0.0 26.9 40.3#



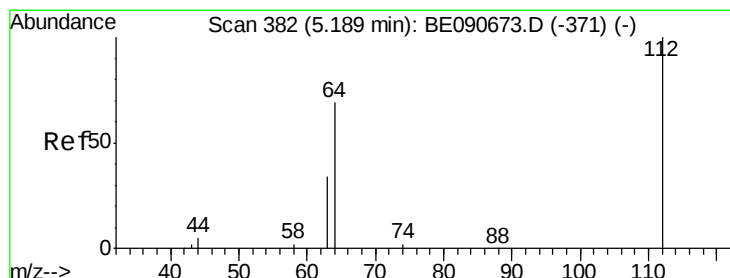
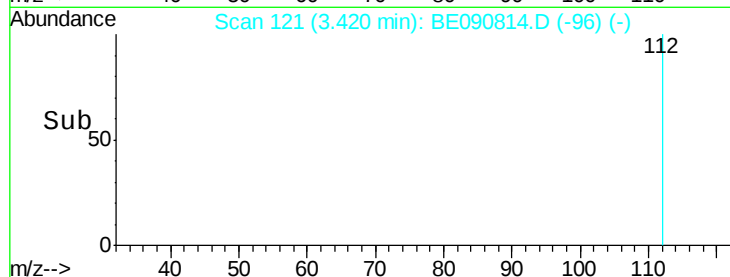
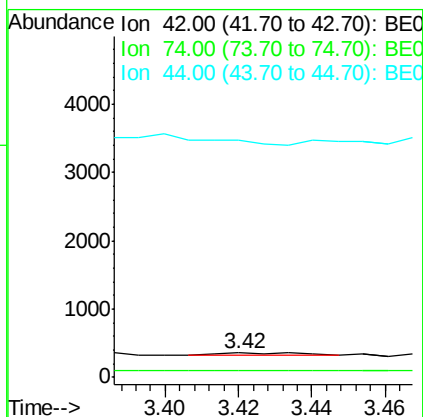
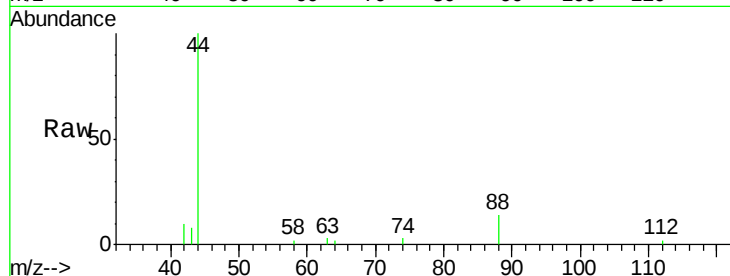


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.42 min Scan# 121
 Delta R.T. -0.03 min
 Lab File: BE090814.D
 Acq: 15 Sep 2015 00:33

Instrument :
 BNA_E
 ClientSampleId :
 091215-D534-E-U-B

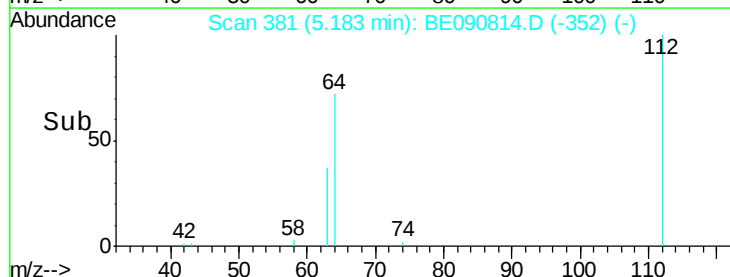
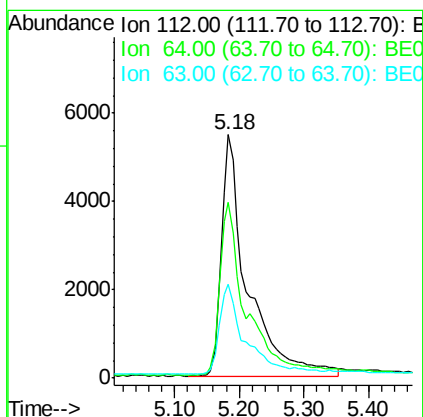
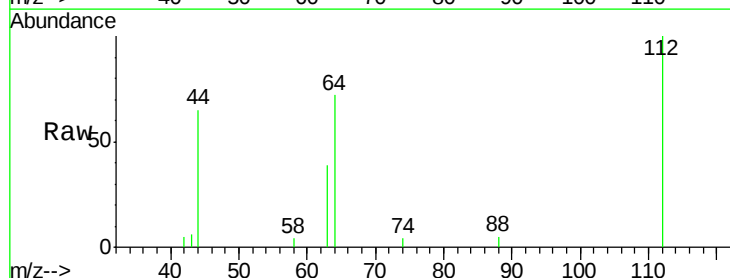
Tot Ion: 42 Resp: 63
 Ion Ratio Lower Upper
 42 100
 74 52.4 83.7 125.5#
 44 0.0 10.0 15.0#

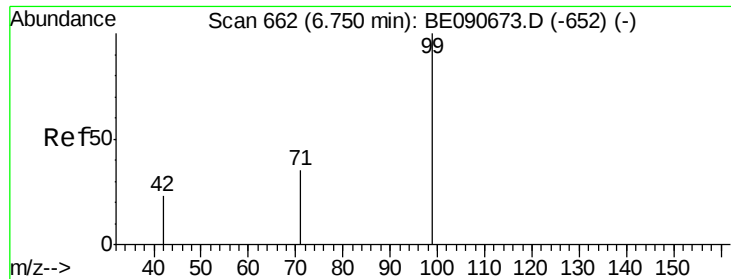


#4

2-Fluorophenol
 Concen: 2.43 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090814.D
 Acq: 15 Sep 2015 00:33

Tgt Ion: 112 Resp: 15218
 Ion Ratio Lower Upper
 112 100
 64 73.6 57.3 85.9
 63 37.1 29.2 43.8





#5

Phenol-d6

Concen: 1.23 ng

RT: 6.76 min Scan# 664

Delta R.T. 0.01 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-U-B

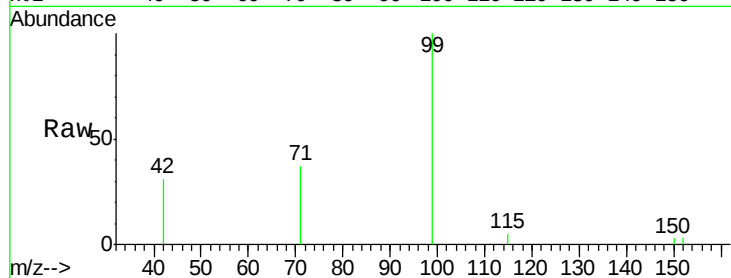
Tot Ion: 99 Resp: 11107

Ion Ratio Lower Upper

99 100

42 20.6 16.8 25.2

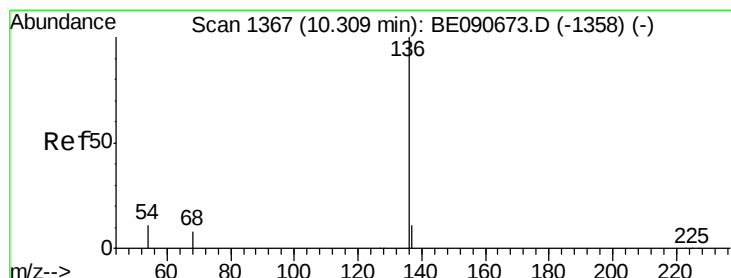
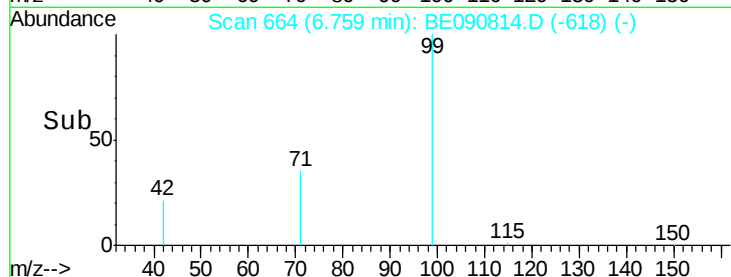
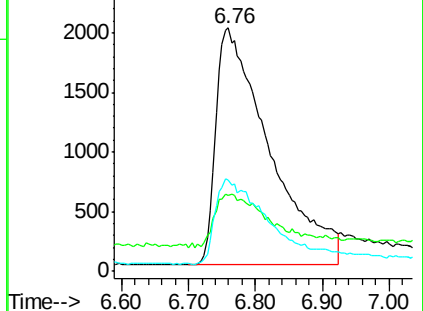
71 34.4 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

Tgt Ion: 136 Resp: 133015

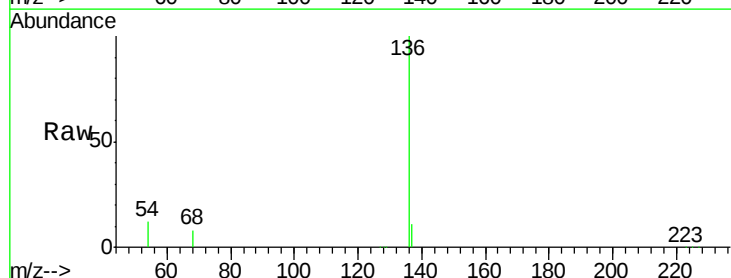
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 11.8 9.0 13.6

68 8.4 6.3 9.5

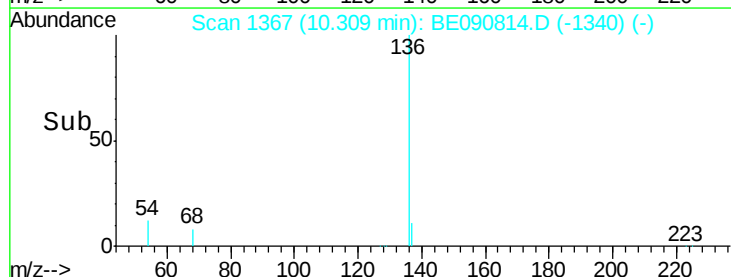
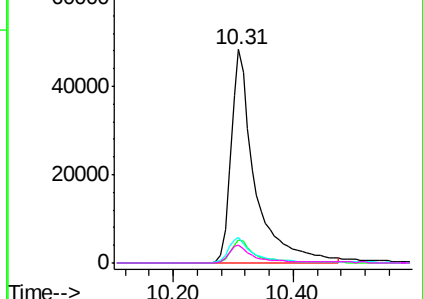


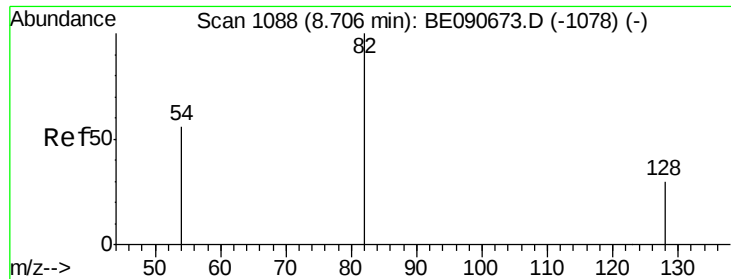
Abundance Ion 136.00 (135.70 to 136.70): E

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





#7

Nitrobenzene-d5

Concen: 3.06 ng

RT: 8.72 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-U-B

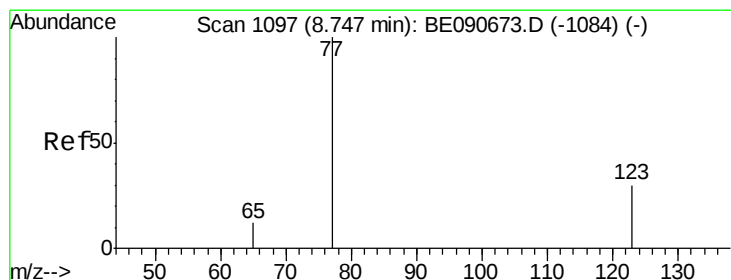
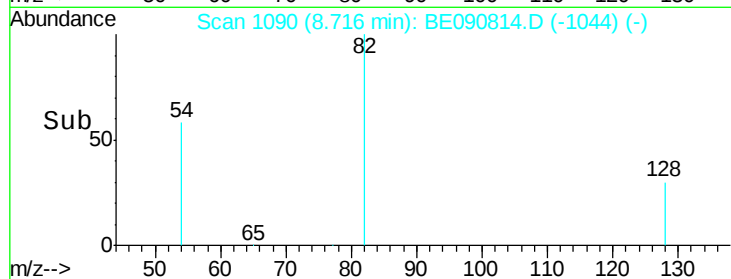
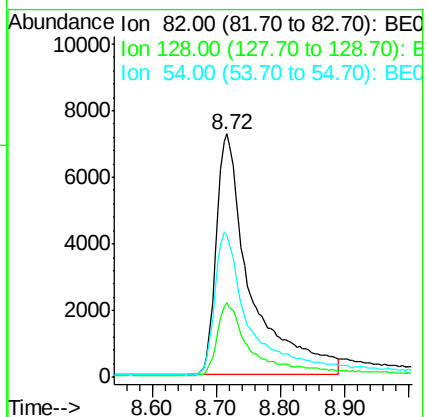
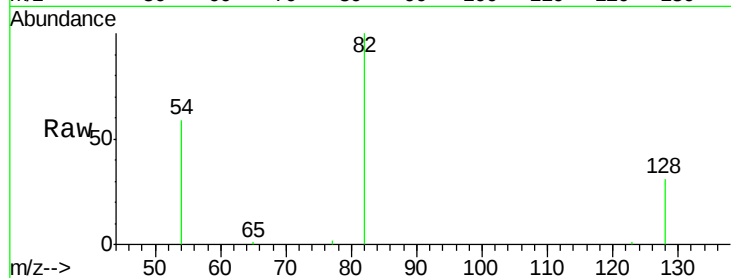
Tot Ion: 82 Resp: 26906

Ion Ratio Lower Upper

82 100

128 30.7 25.0 37.4

54 58.6 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.71 min Scan# 1089

Delta R.T. -0.04 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

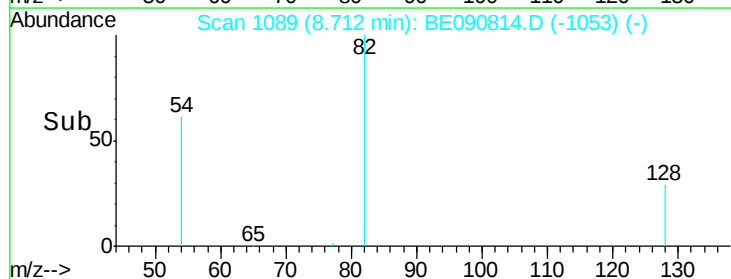
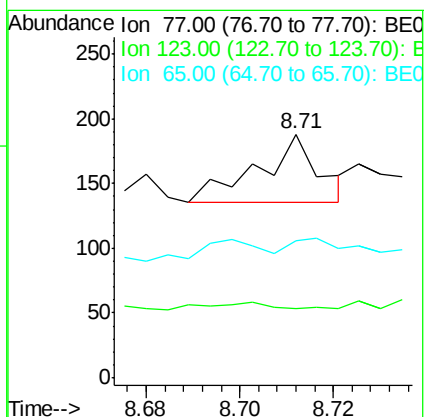
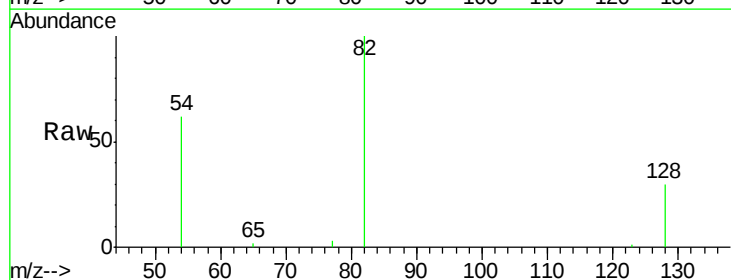
Tgt Ion: 77 Resp: 48

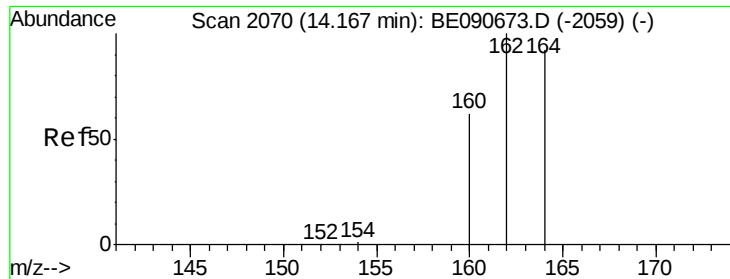
Ion Ratio Lower Upper

77 100

123 4.2 25.1 37.7#

65 41.7 9.9 14.9#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-U-B

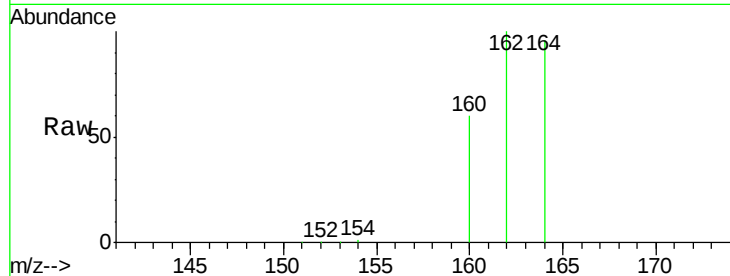
Tot Ion:164 Resp: 67542

Ion Ratio Lower Upper

164 100

162 104.6 86.8 130.2

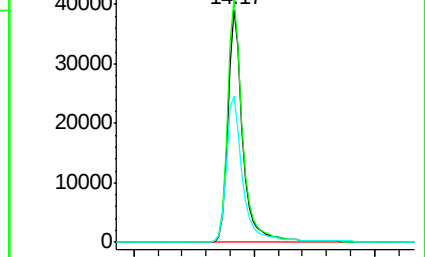
160 62.7 53.9 80.9



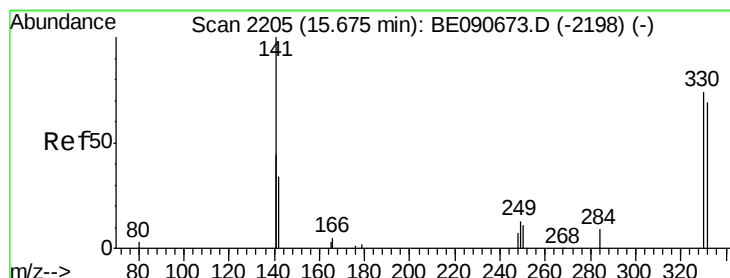
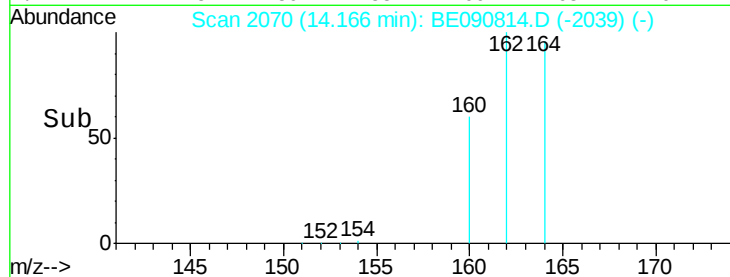
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#13

2,4,6-Tribromophenol

Concen: 5.43 ng

RT: 15.67 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

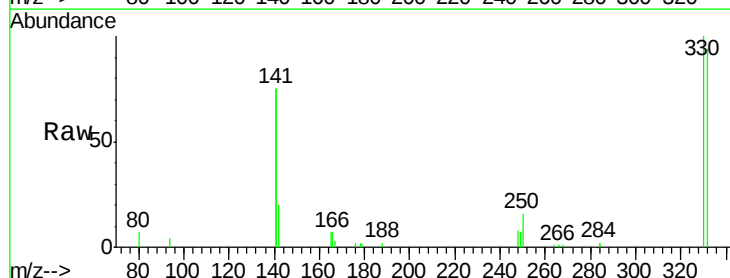
Tgt Ion:330 Resp: 10670

Ion Ratio Lower Upper

330 100

332 95.8 74.9 112.3

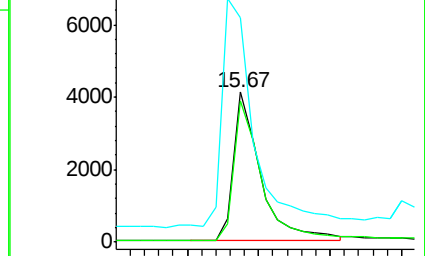
141 184.8 145.2 217.8



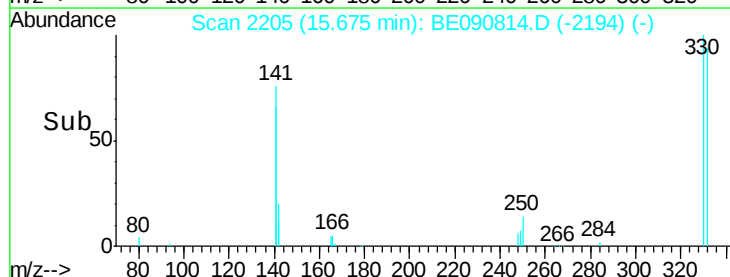
Abundance Ion 329.80 (329.50 to 330.50): E

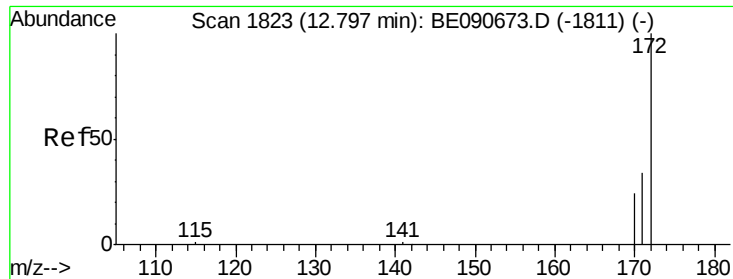
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->

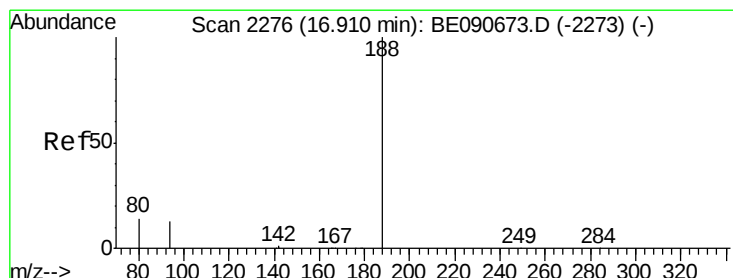
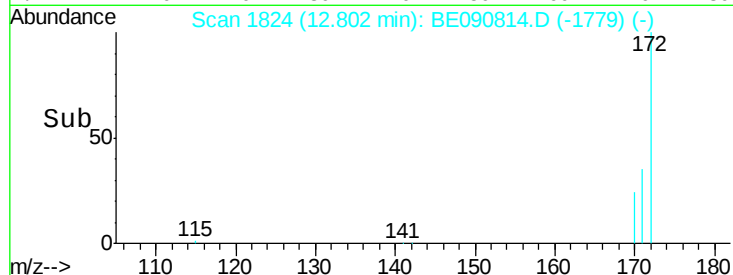
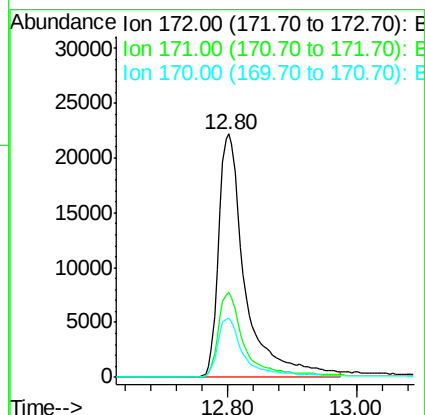
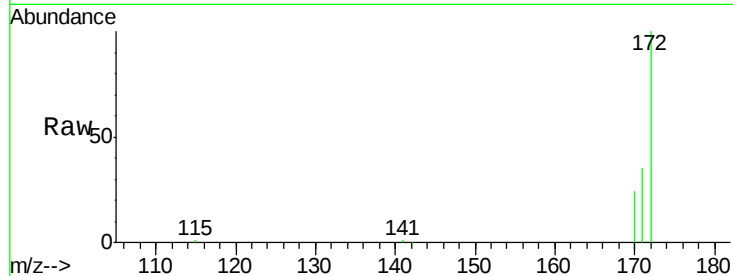




#14
2-Fluorobiphenyl
Concen: 3.39 ng
RT: 12.80 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BE090814.D
Acq: 15 Sep 2015 00:33

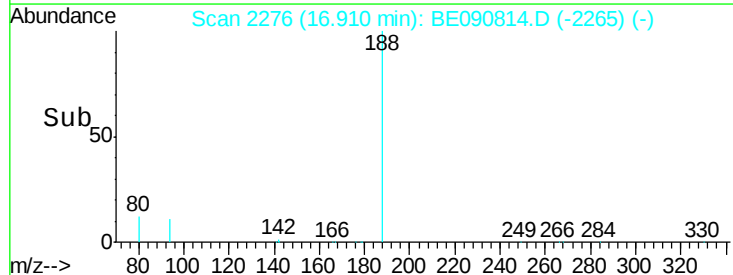
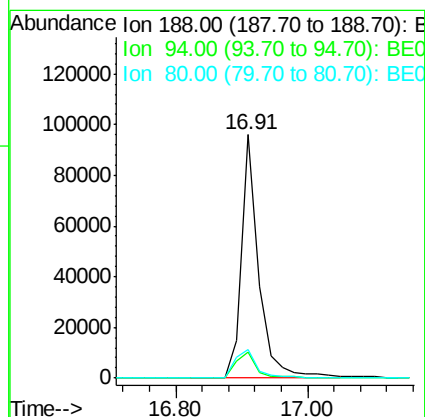
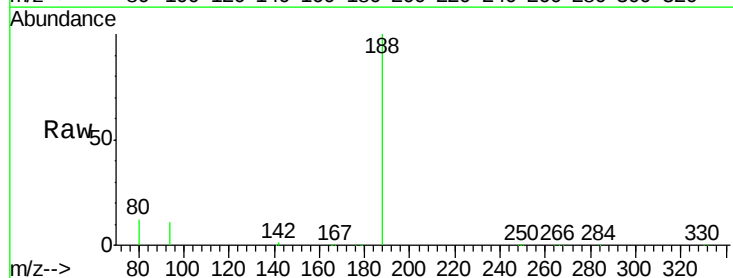
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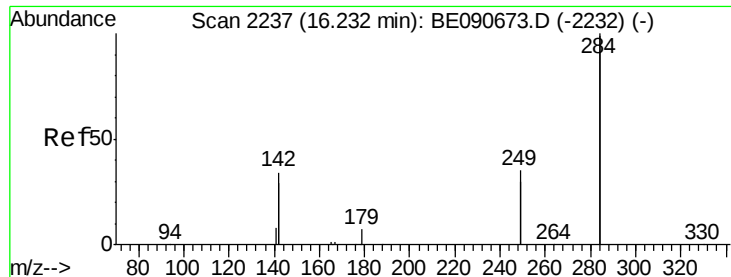
Tot Ion:172 Resp: 63493
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 24.2 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BE090814.D
Acq: 15 Sep 2015 00:33

Tgt Ion:188 Resp: 173838
Ion Ratio Lower Upper
188 100
94 10.8 10.3 15.5
80 11.8 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.27 min Scan# 2239

Delta R.T. 0.04 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-U-B

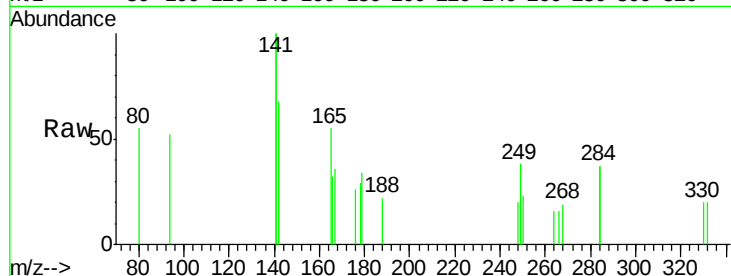
Tot Ion:284 Resp: 50

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

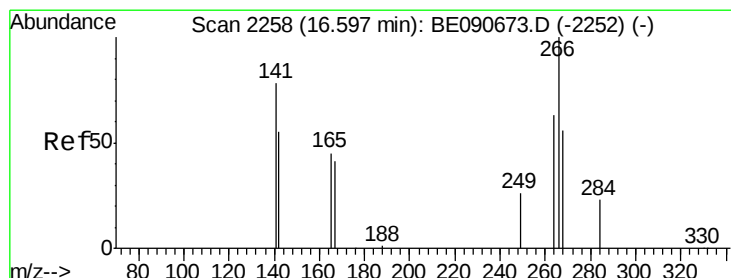
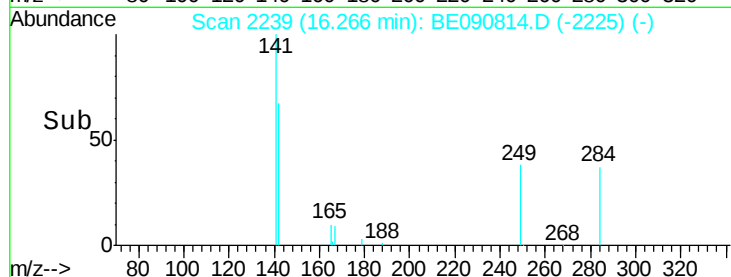
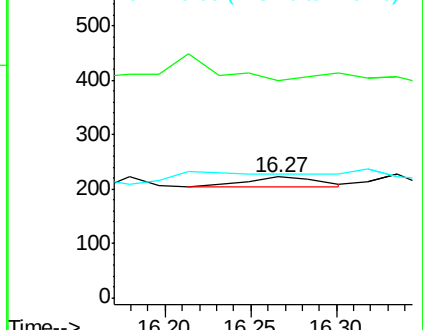
249 0.0 25.5 38.3#



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: 0.47 ng

RT: 16.56 min Scan# 2256

Delta R.T. -0.04 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

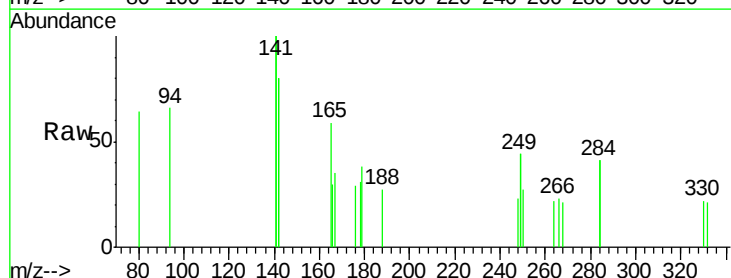
Tgt Ion:266 Resp: 29

Ion Ratio Lower Upper

266 100

268 93.1 49.6 74.4#

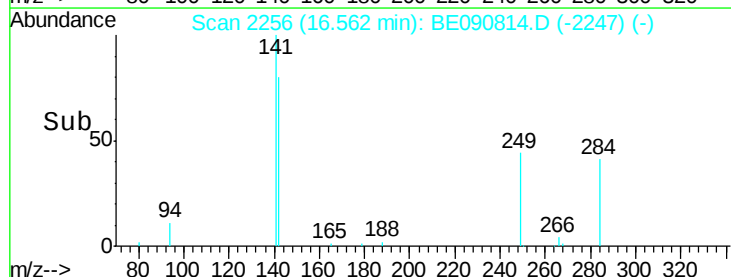
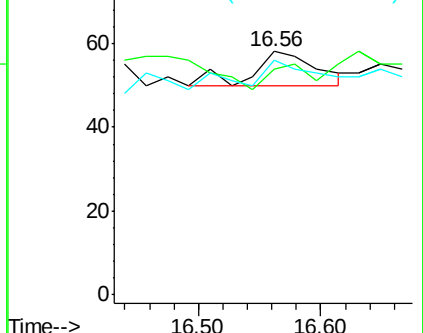
264 96.6 53.9 80.9#

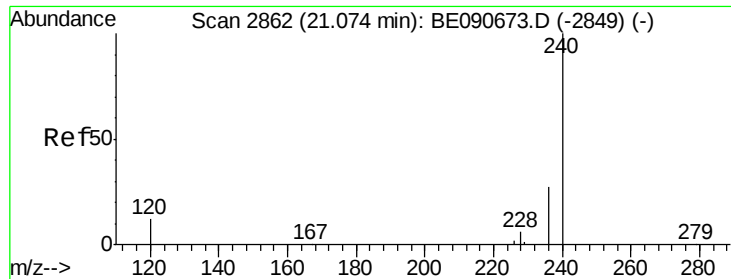


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-U-B

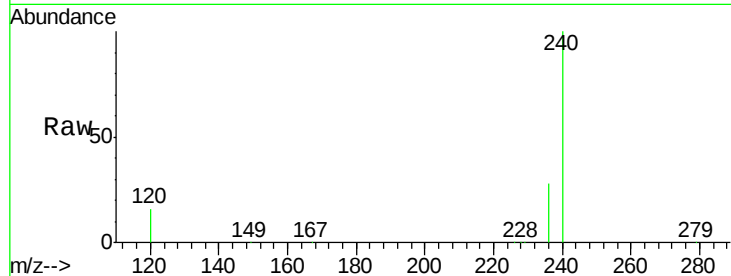
Tot Ion:240 Resp: 230995

Ion Ratio Lower Upper

240 100

120 16.0 10.1 15.1#

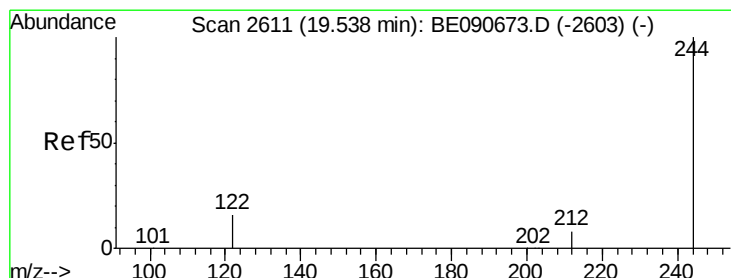
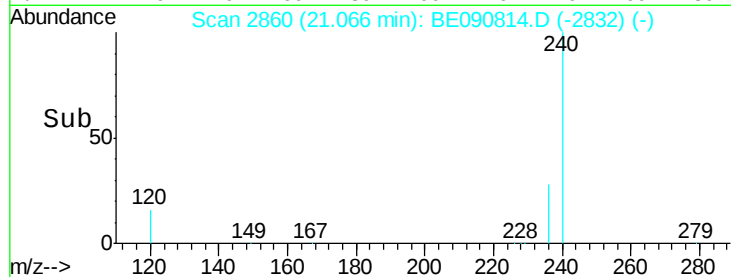
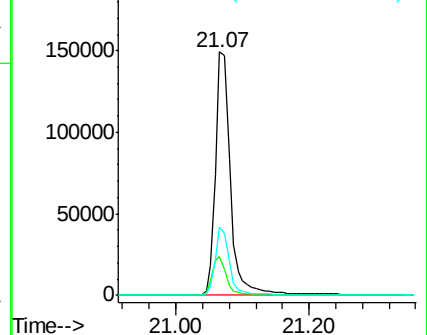
236 27.9 21.9 32.9



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

Terphenyl-d14

Concen: 4.74 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

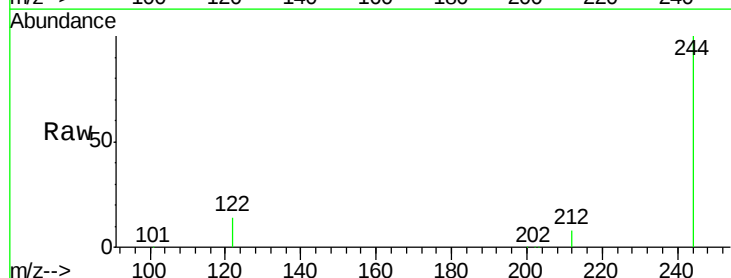
Tgt Ion:244 Resp: 121203

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

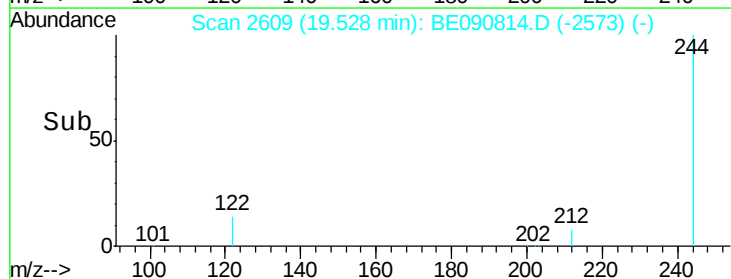
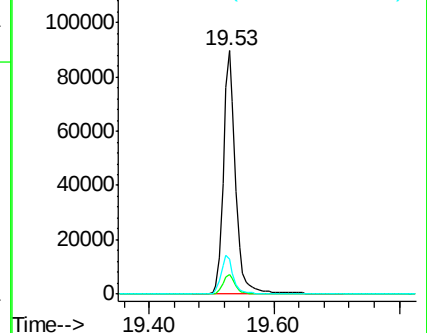
122 14.4 12.9 19.3

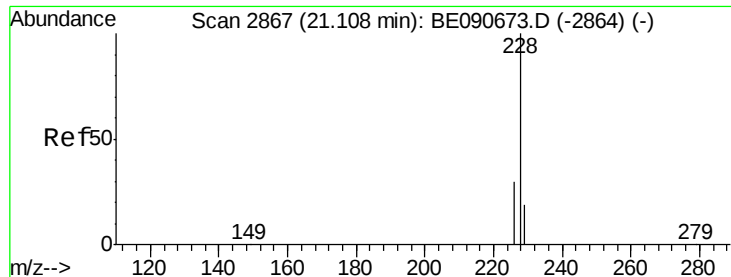


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.07 min Scan# 2860

Delta R.T. -0.04 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-U-B

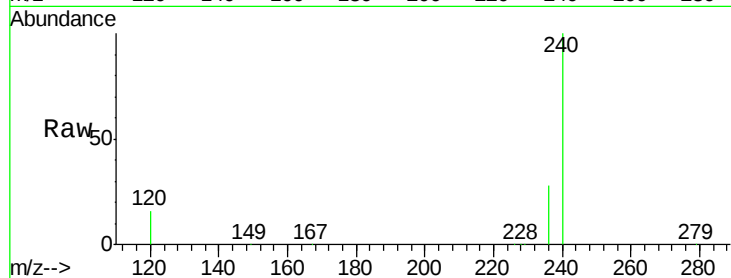
Tot Ion:228 Resp: 821

Ion Ratio Lower Upper

228 100

226 24.6 24.2 36.4

229 37.7 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

21.07

600

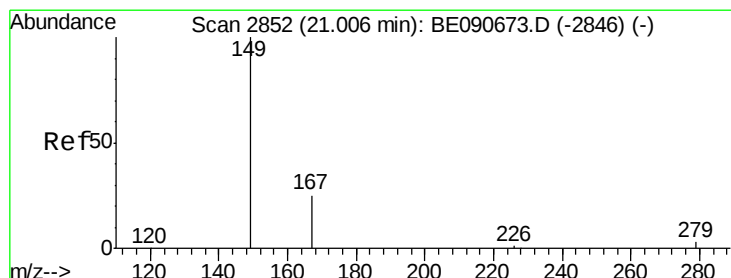
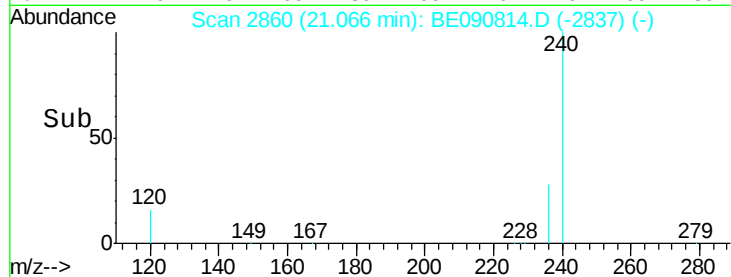
400

200

0

21.00 21.05 21.10

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.21 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090814.D

Acq: 15 Sep 2015 00:33

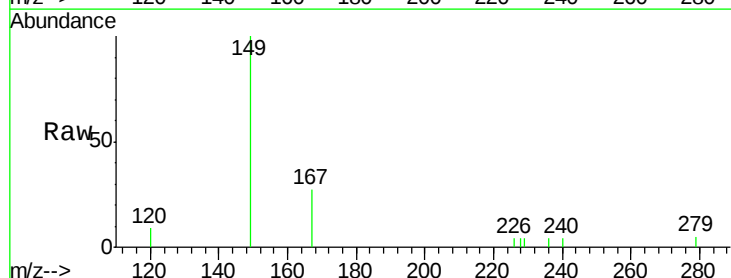
Tgt Ion:149 Resp: 1995

Ion Ratio Lower Upper

149 100

167 21.2 20.1 30.1

279 3.0 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

21.00

2500

2000

1500

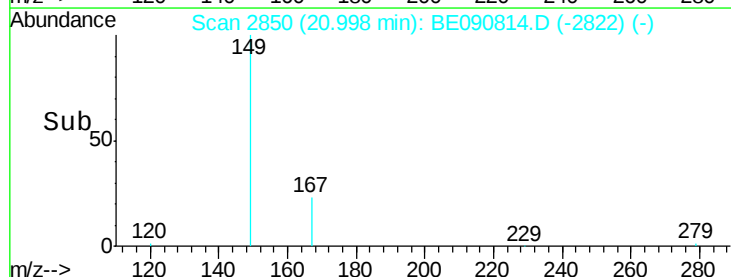
1000

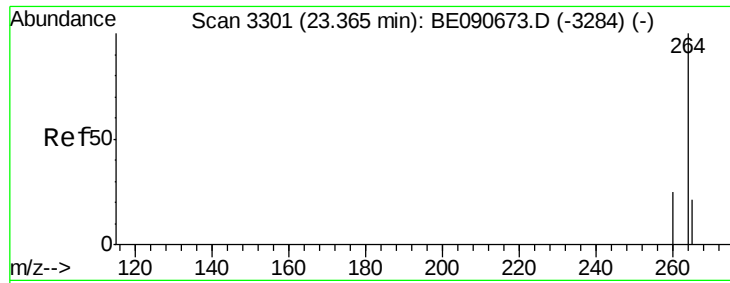
500

0

20.90 21.00

Time-->

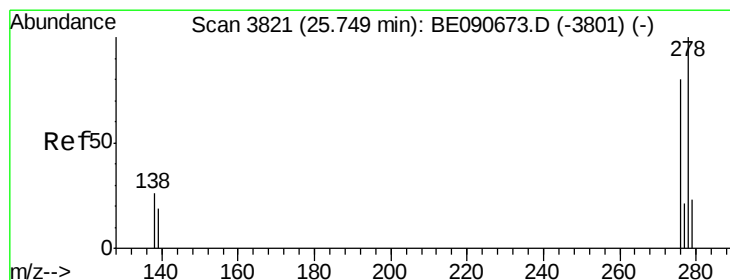
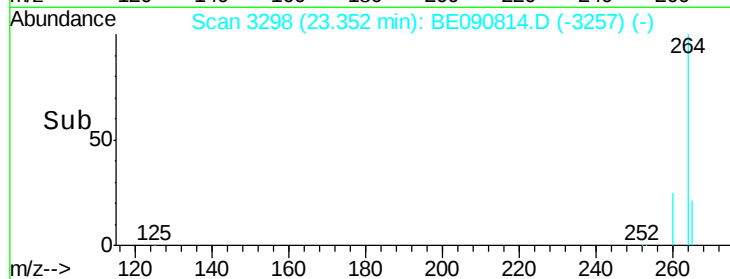
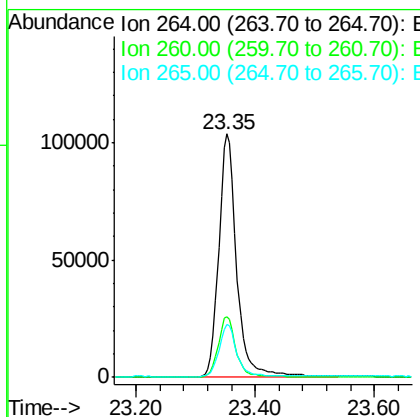
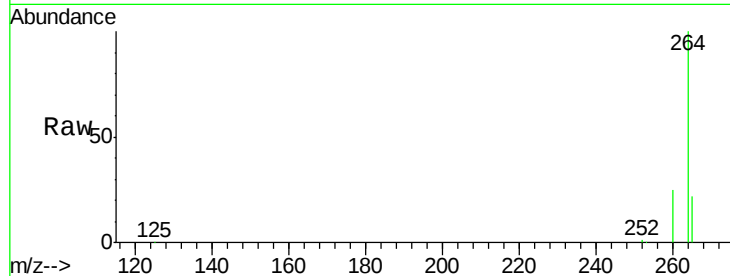




#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090814.D
 Acq: 15 Sep 2015 00:33

Instrument :
 BNA_E
 ClientSampleId :
 091215-D534-E-U-B

Tot Ion:264 Resp: 218877
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.7 29.5
 265 21.7 17.5 26.3



#36
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.75 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: BE090814.D
 Acq: 15 Sep 2015 00:33

Tgt Ion:278 Resp: 12
 Ion Ratio Lower Upper
 278 100
 139 164.7 15.4 23.0#
 279 117.6 18.8 28.2#

