

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091415\
 Data File : BE090798.D
 Acq On : 14 Sep 2015 11:49
 Operator : UM/IZ
 Sample : G3635-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091015-D534-F-U-S

Quant Time: Sep 14 13:32:08 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	59433	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	274430	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	147290	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	343728	5.00	ng	0.00
25) Chrysene-d12	21.07	240	425061	5.00	ng	0.00
32) Perylene-d12	23.36	264	389744	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	32280	2.80	ng	0.00
5) Phenol-d6	6.75	99	27635	1.67	ng	0.00
7) Nitrobenzene-d5	8.71	82	53541	2.95	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	22771	5.32	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	114783	2.81	ng	0.00
27) Terphenyl-d14	19.53	244	195525	4.16	ng	-0.01

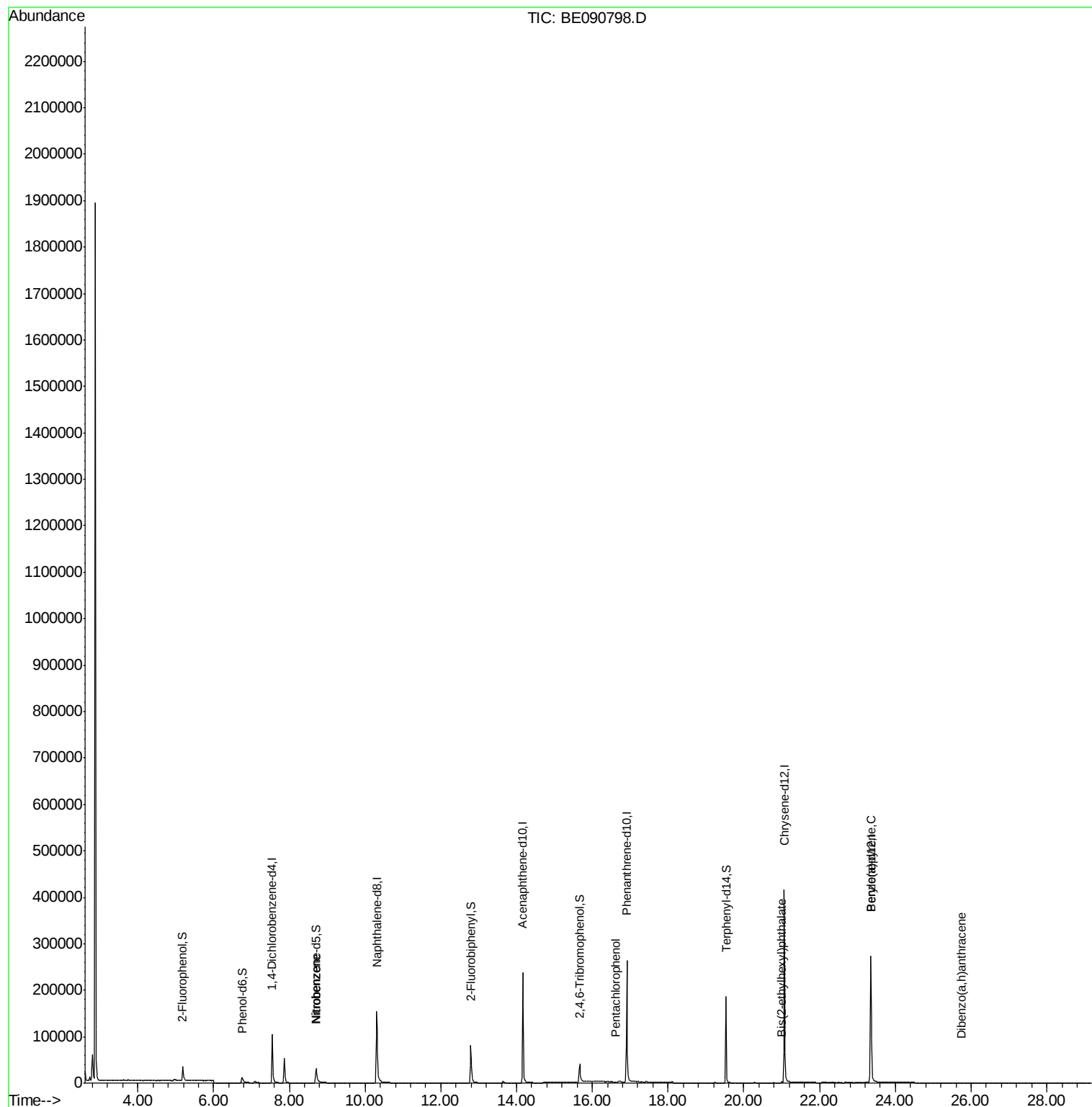
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	47	Below Cal	#	53
3) n-Nitrosodimethylamine	3.45	42	55	Below Cal	#	1
8) Nitrobenzene	8.72	77	189	0.12	ng	59
20) Hexachlorobenzene	16.21	284	98	Below Cal	#	37
21) Pentachlorophenol	16.61	266	87	0.48	ng	59
29) Chrysene	21.07	228	1547	Below Cal	#	73
30) Bis(2-ethylhexyl)phthalate	21.00	149	2547	0.17	ng	97
35) Benzo(a)pyrene	23.35	252	1682	0.02	ng	37
36) Dibenzo(a,h)anthracene	25.76	278	47	0.14	ng	1

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

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QLast Update : Wed Sep 02 11:40:50 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE090798.D

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Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-S

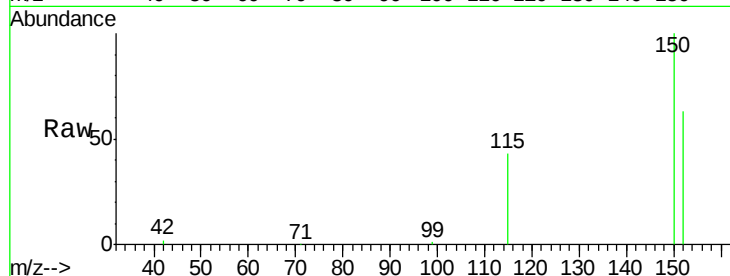
Tgt Ion: 152 Resp: 59433

Ion Ratio Lower Upper

152 100

150 158.1 122.2 183.4

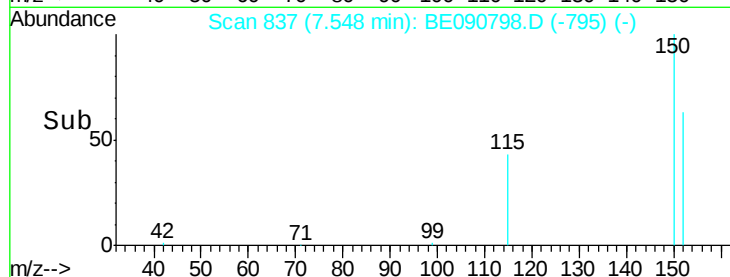
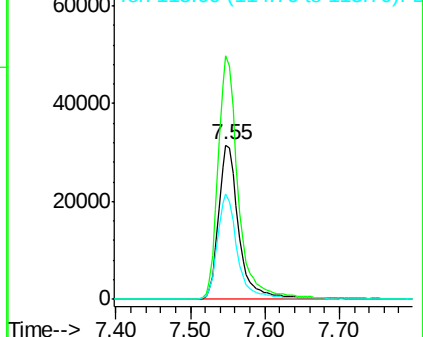
115 68.4 51.0 76.4



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: 3.12 min Scan# 77

Delta R.T. -0.04 min

Lab File: BE090798.D

Acq: 14 Sep 2015 11:49

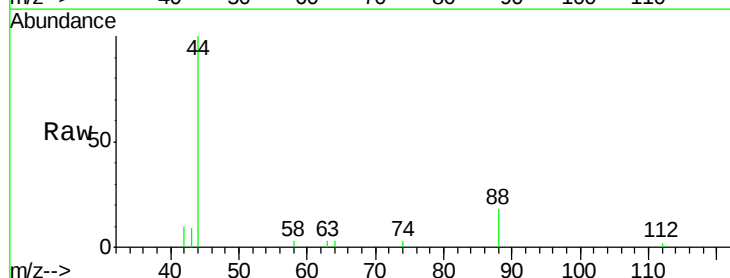
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

58 46.8 68.4 102.6#

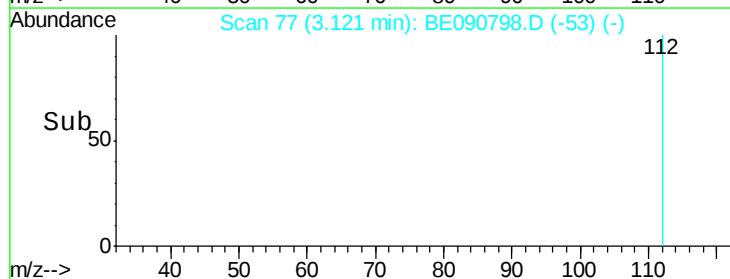
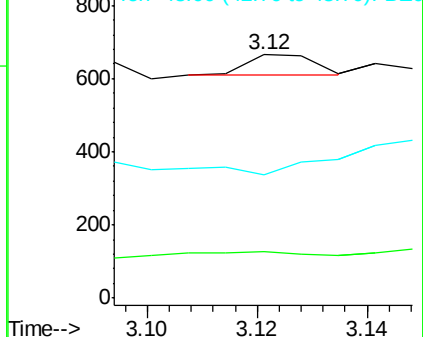
43 0.0 26.9 40.3#

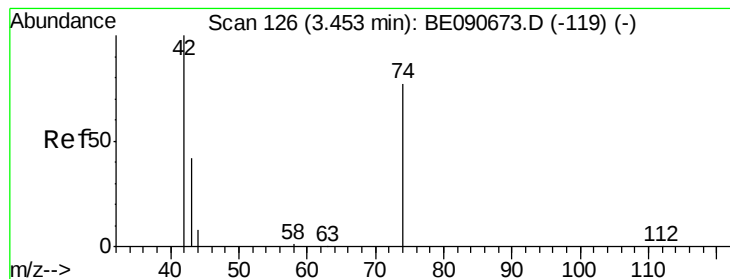


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



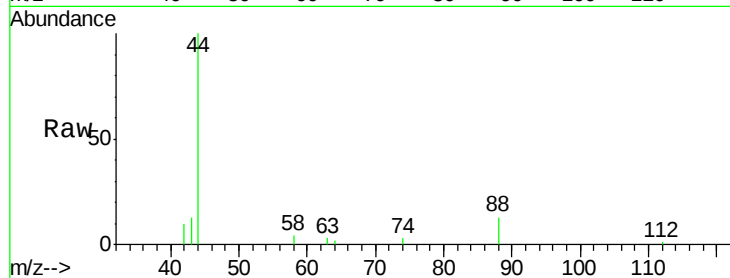


#3

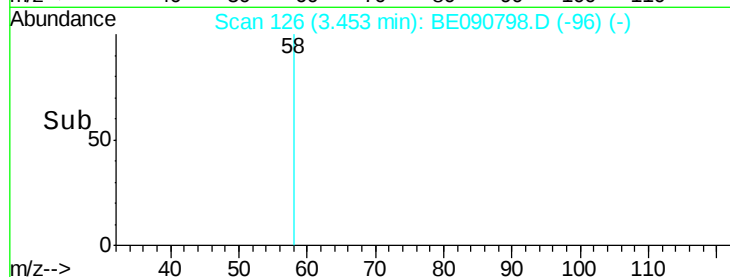
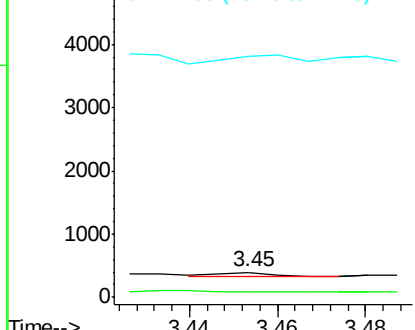
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090798.D
 Acq: 14 Sep 2015 11:49

Instrument :
 BNA_E
 ClientSampleId :
 091015-D534-F-U-S

Tgt Ion: 42 Resp: 55
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 278.2 10.0 15.0#



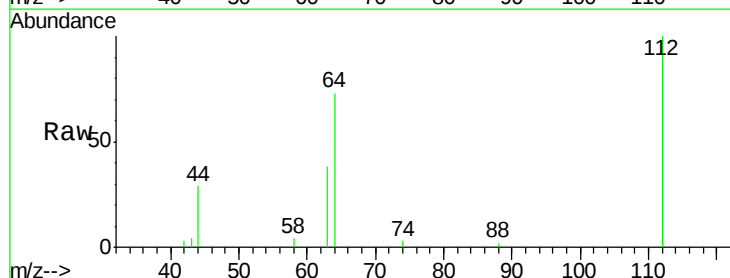
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



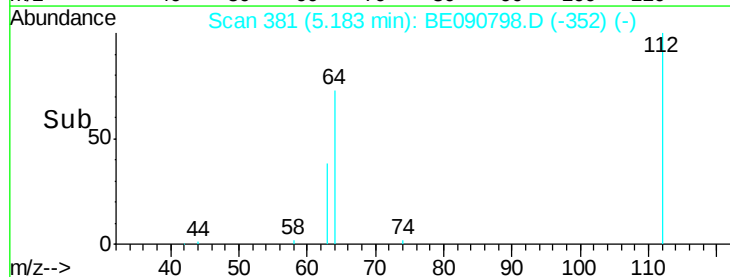
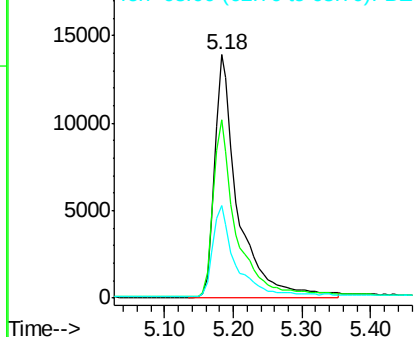
#4

2-Fluorophenol
 Concen: 2.80 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090798.D
 Acq: 14 Sep 2015 11:49

Tgt Ion: 112 Resp: 32280
 Ion Ratio Lower Upper
 112 100
 64 72.7 57.3 85.9
 63 37.0 29.2 43.8



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: 1.67 ng

RT: 6.75 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE090798.D

Acq: 14 Sep 2015 11:49

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-S

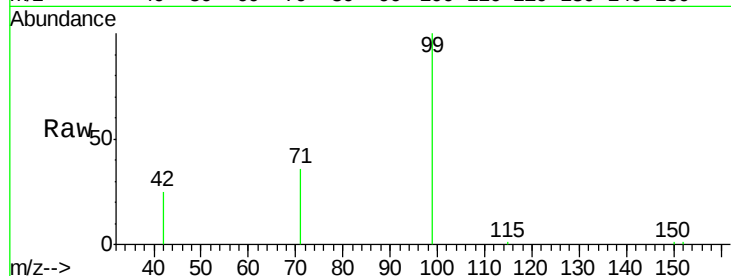
Tgt Ion: 99 Resp: 27635

Ion Ratio Lower Upper

99 100

42 21.4 16.8 25.2

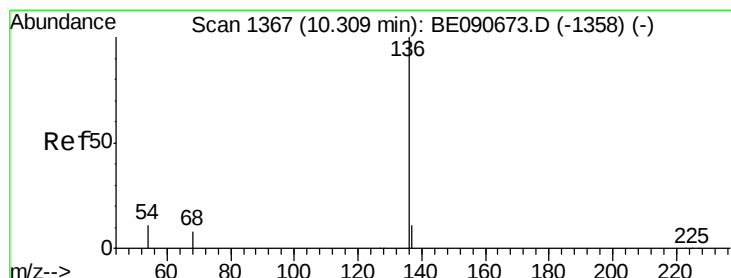
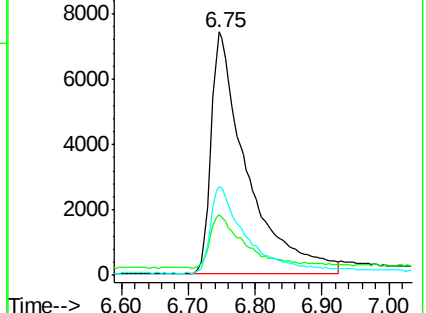
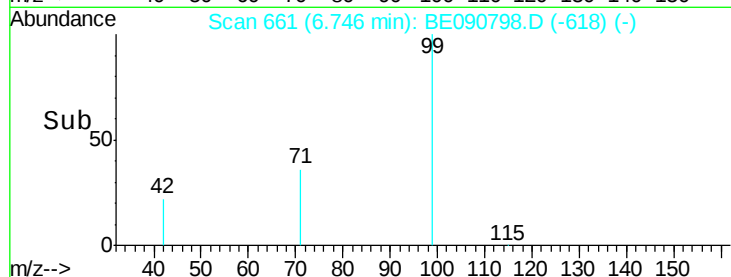
71 35.6 28.3 42.5



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: BE090798.D

Acq: 14 Sep 2015 11:49

Tgt Ion: 136 Resp: 274430

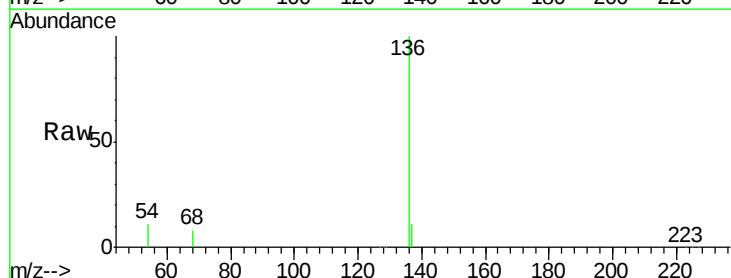
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.9 9.0 13.6

68 8.0 6.3 9.5

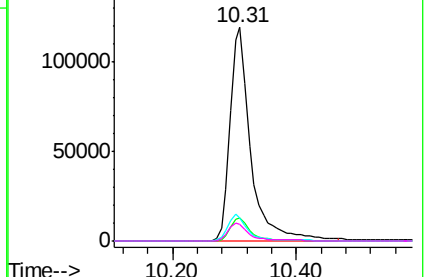
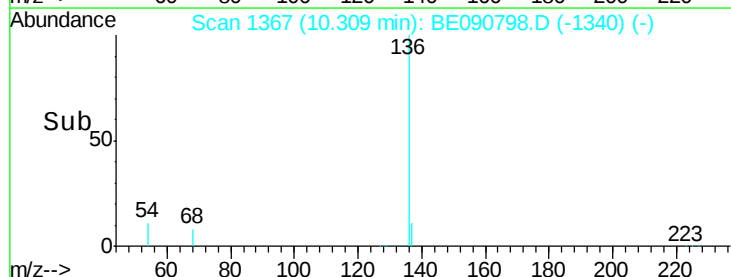


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.95 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090798.D

Acq: 14 Sep 2015 11:49

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-S

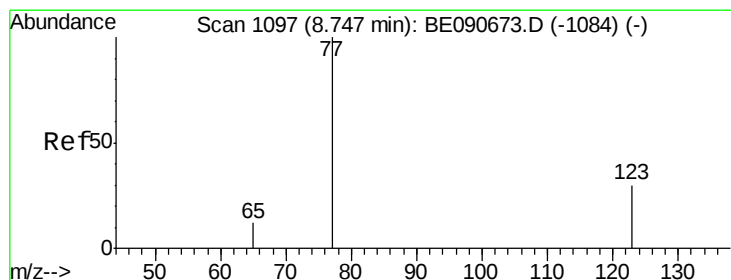
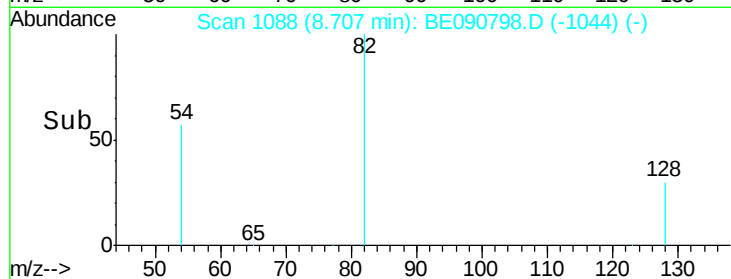
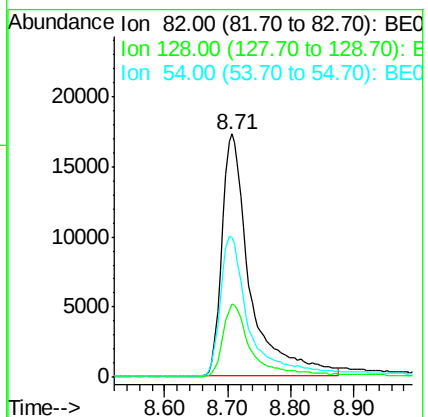
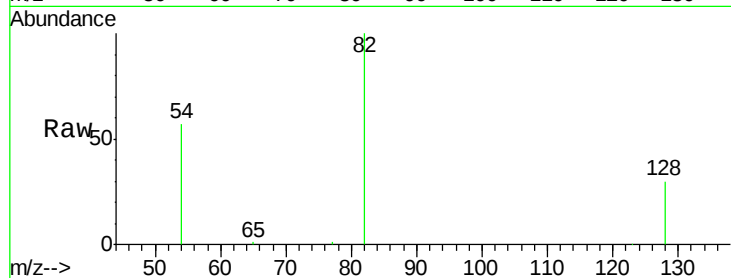
Tgt Ion: 82 Resp: 53541

Ion Ratio Lower Upper

82 100

128 29.9 25.0 37.4

54 57.3 46.3 69.5



#8

Nitrobenzene

Concen: 0.12 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BE090798.D

Acq: 14 Sep 2015 11:49

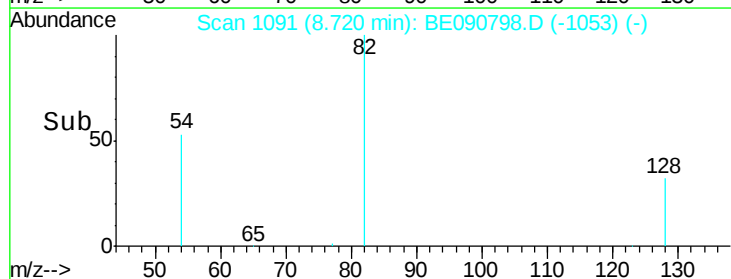
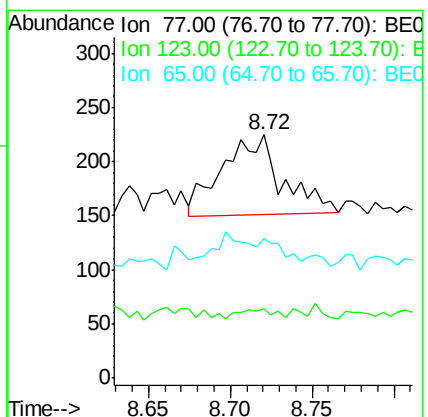
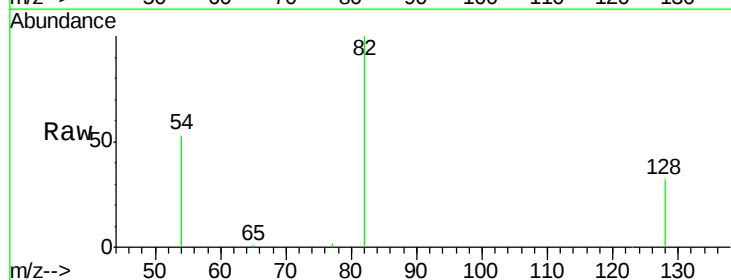
Tgt Ion: 77 Resp: 189

Ion Ratio Lower Upper

77 100

123 6.9 25.1 37.7#

65 0.0 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: BE090798.D

Acq: 14 Sep 2015 11:49

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-S

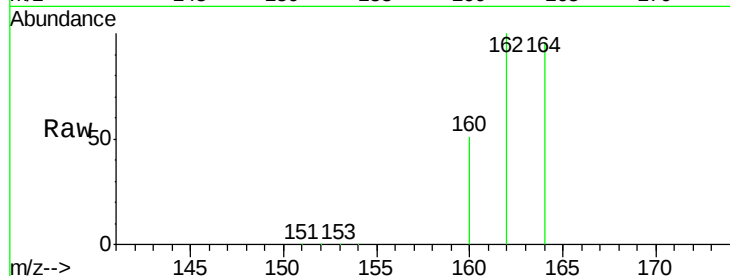
Tgt Ion:164 Resp: 147290

Ion Ratio Lower Upper

164 100

162 103.9 86.8 130.2

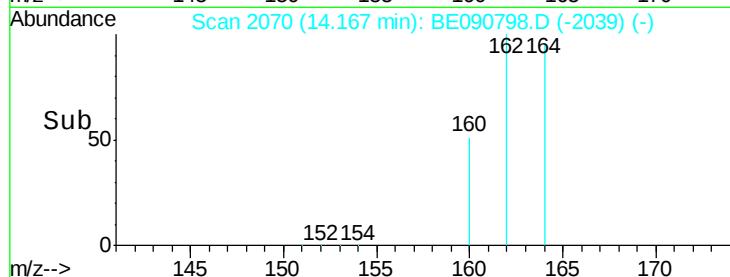
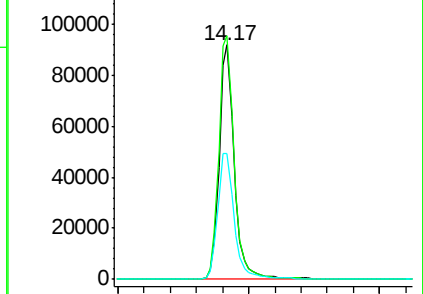
160 53.5 53.9 80.9#



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



#13

2,4,6-Tribromophenol

Concen: 5.32 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090798.D

Acq: 14 Sep 2015 11:49

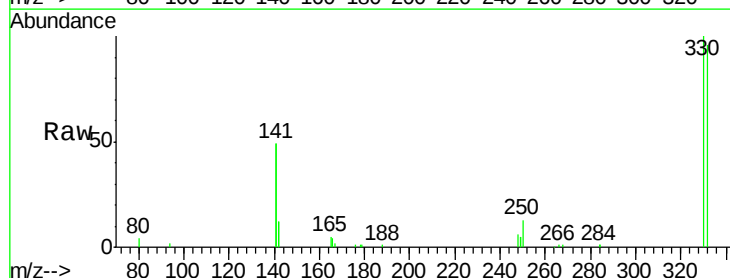
Tgt Ion:330 Resp: 22771

Ion Ratio Lower Upper

330 100

332 98.0 74.9 112.3

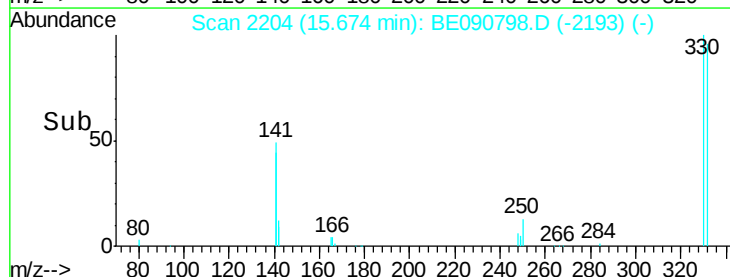
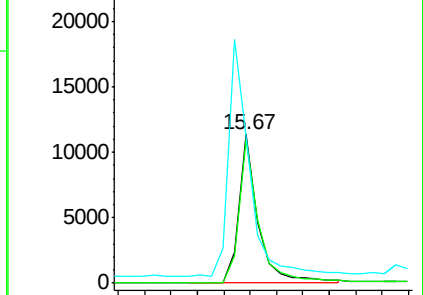
141 177.5 145.2 217.8



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

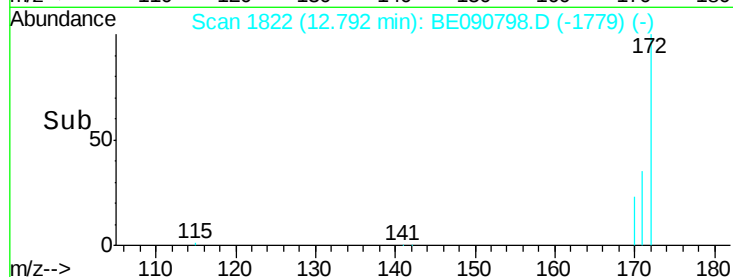
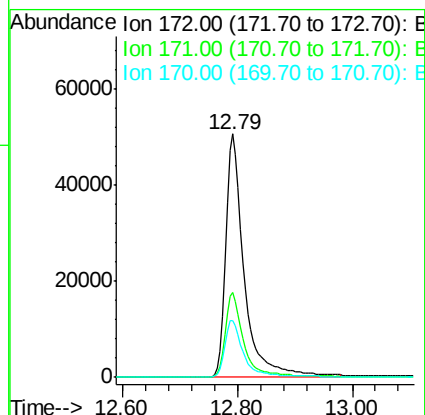
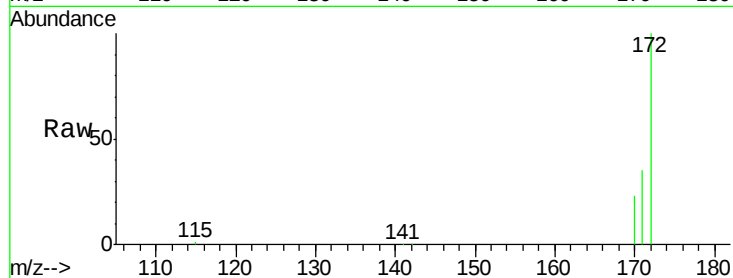




#14
2-Fluorobiphenyl
Concen: 2.81 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BE090798.D
Acq: 14 Sep 2015 11:49

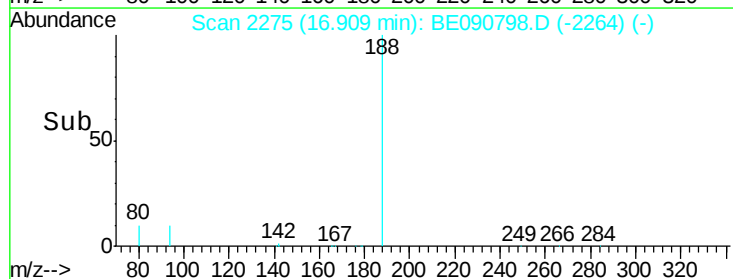
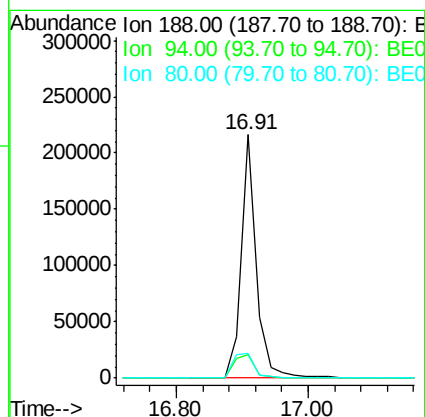
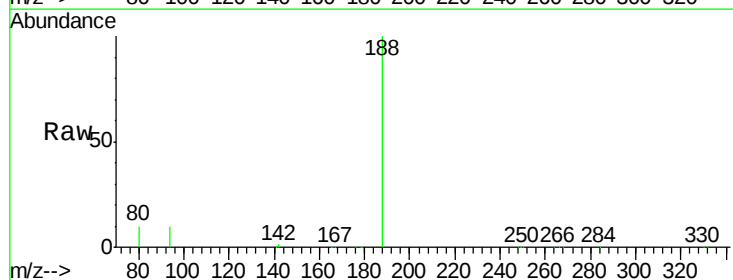
Instrument :
BNA_E
ClientSampleId :
091015-D534-F-U-S

Tgt Ion:172 Resp: 114783
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 23.4 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090798.D
Acq: 14 Sep 2015 11:49

Tgt Ion:188 Resp: 343728
Ion Ratio Lower Upper
188 100
94 9.6 10.3 15.5#
80 10.4 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.21 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BE090798.D

Acq: 14 Sep 2015 11:49

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-S

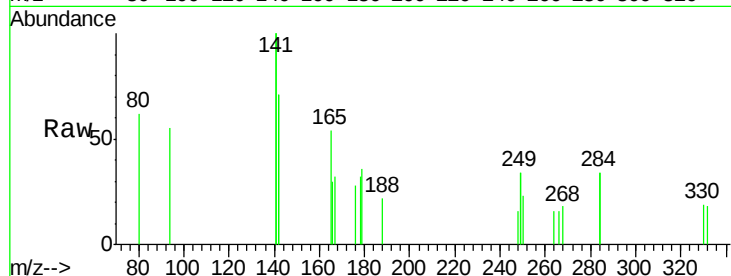
Tgt Ion: 284 Resp: 98

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

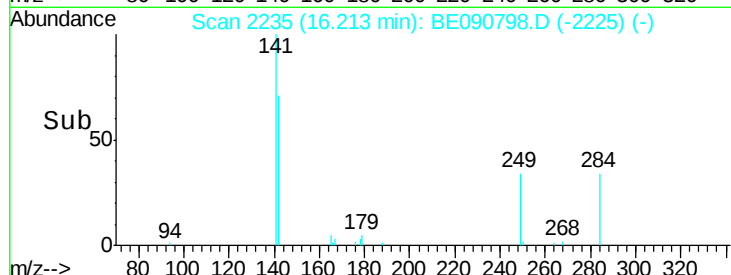
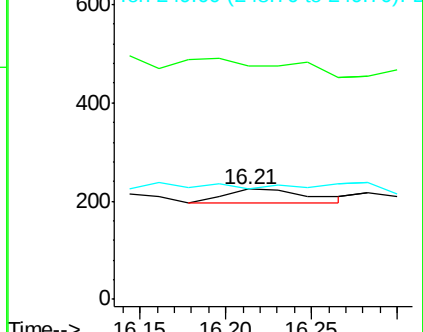
249 0.0 25.5 38.3#



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: 0.48 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.02 min

Lab File: BE090798.D

Acq: 14 Sep 2015 11:49

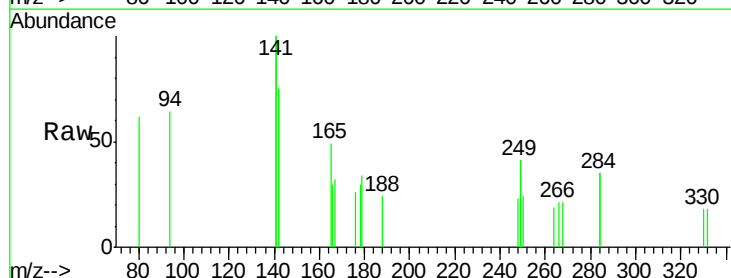
Tgt Ion: 266 Resp: 87

Ion Ratio Lower Upper

266 100

268 101.6 49.6 74.4#

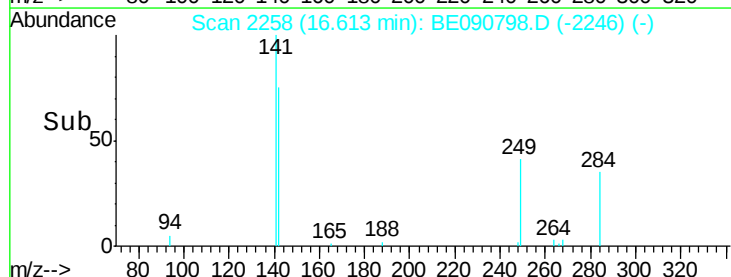
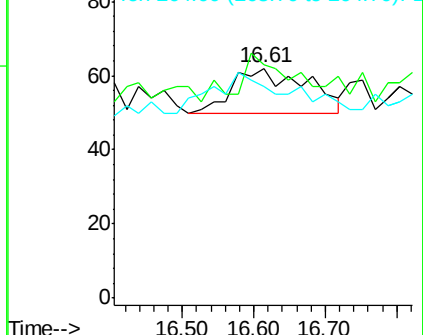
264 91.9 53.9 80.9#



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: BE090798.D

Acq: 14 Sep 2015 11:49

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-S

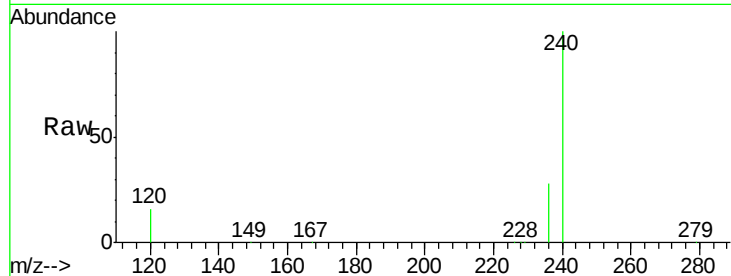
Tgt Ion:240 Resp: 425061

Ion Ratio Lower Upper

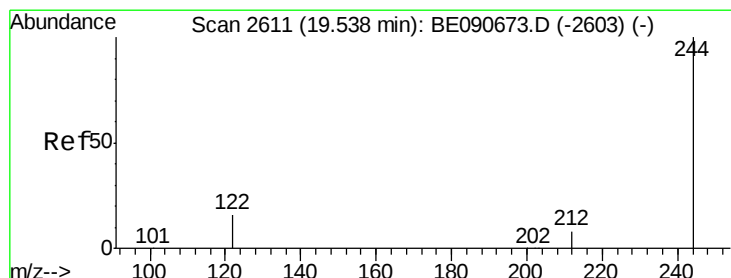
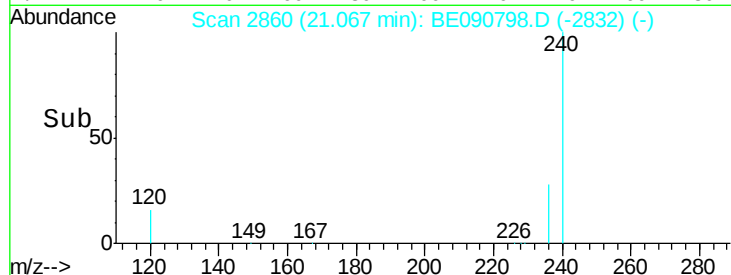
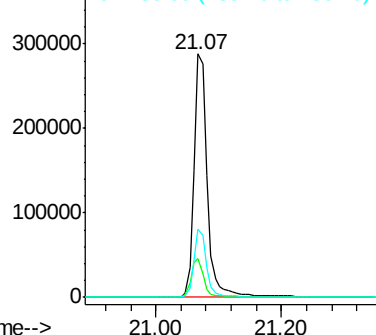
240 100

120 15.8 10.1 15.1#

236 27.8 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: 4.16 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090798.D

Acq: 14 Sep 2015 11:49

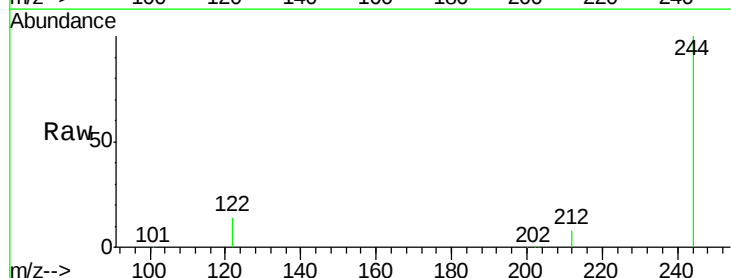
Tgt Ion:244 Resp: 195525

Ion Ratio Lower Upper

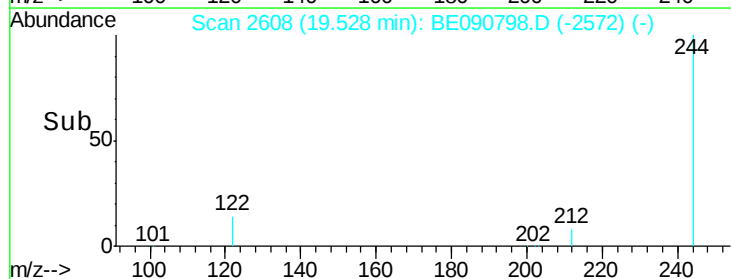
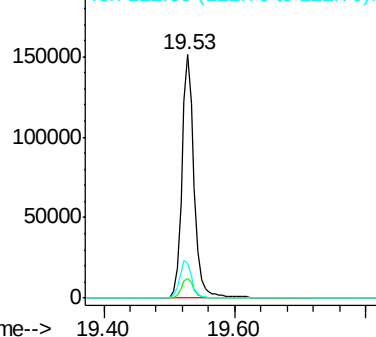
244 100

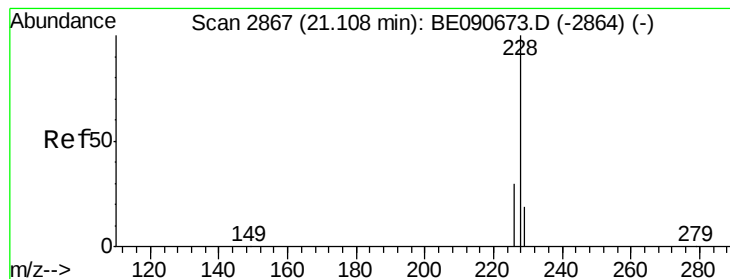
212 8.0 6.9 10.3

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: BE090798.D

Acq: 14 Sep 2015 11:49

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-S

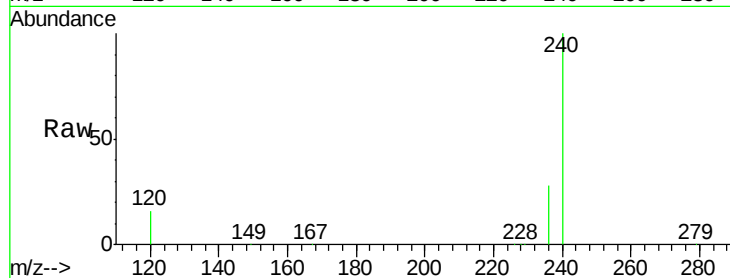
Tgt Ion:228 Resp: 1547

Ion Ratio Lower Upper

228 100

226 16.6 24.2 36.4#

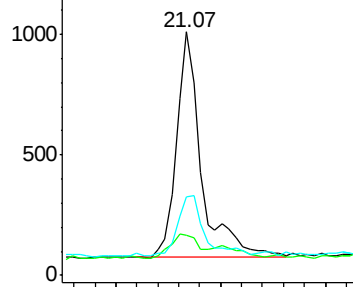
229 32.2 15.3 22.9#



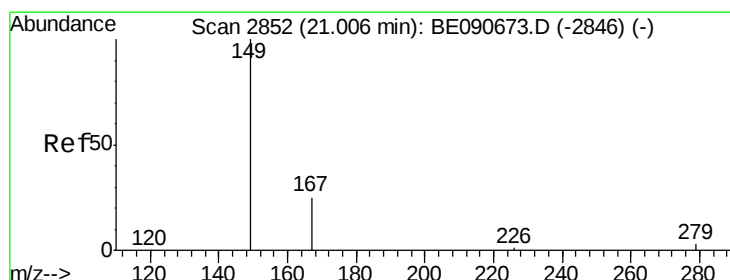
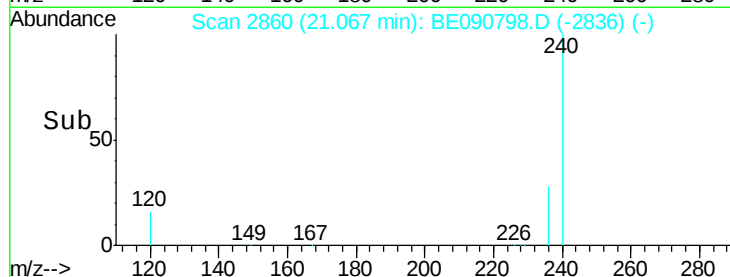
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090798.D

Acq: 14 Sep 2015 11:49

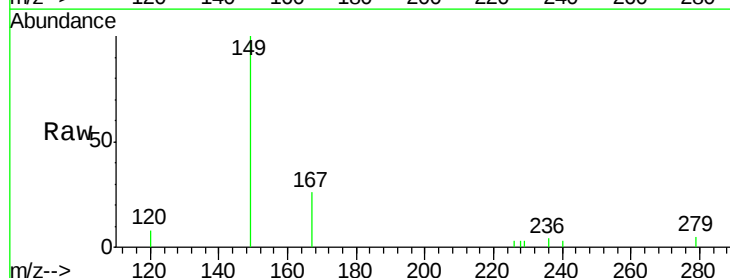
Tgt Ion:149 Resp: 2547

Ion Ratio Lower Upper

149 100

167 23.8 20.1 30.1

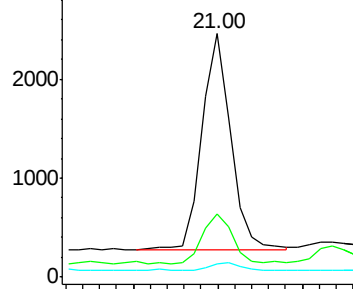
279 3.8 2.3 3.5#



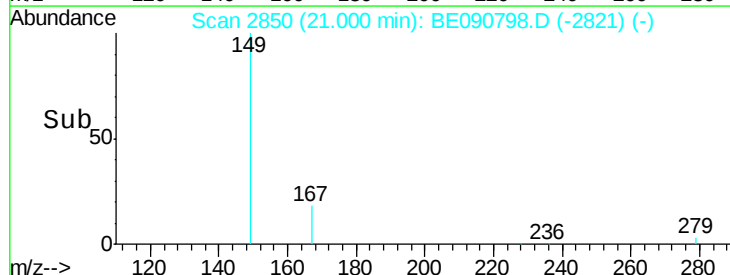
Abundance Ion 149.00 (148.70 to 149.70): E

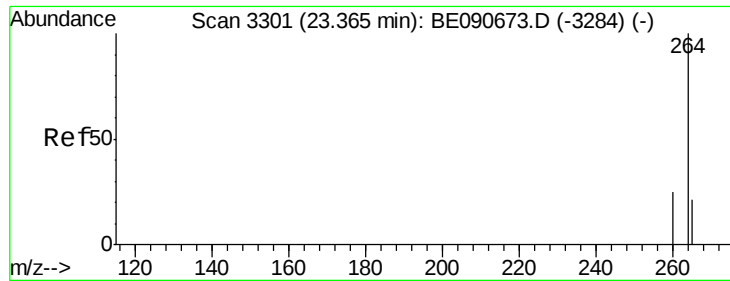
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



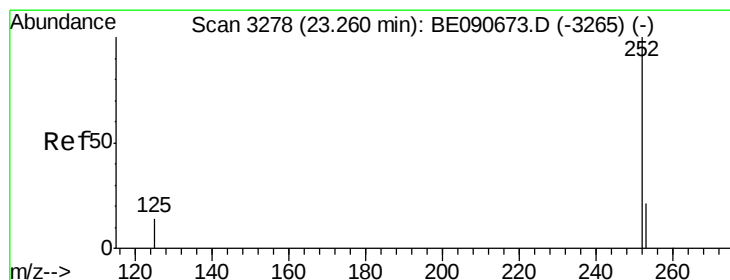
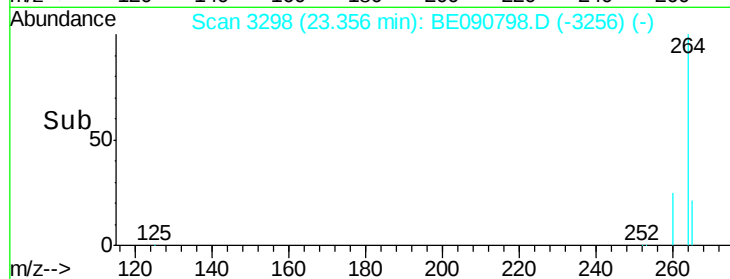
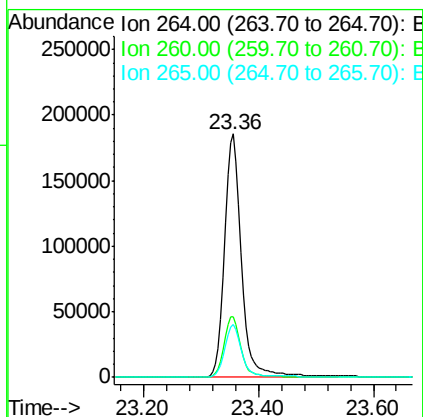
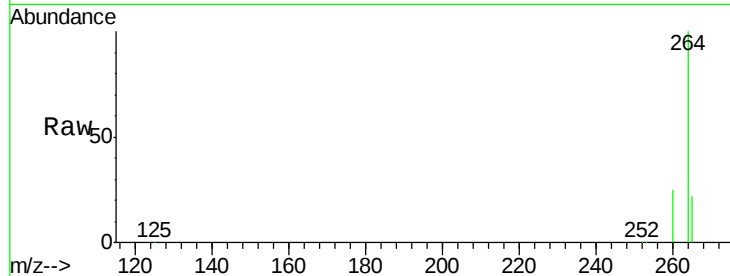


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3298
Delta R.T. -0.01 min
Lab File: BE090798.D
Acq: 14 Sep 2015 11:49

Instrument :
BNA_E
ClientSampleId :
091015-D534-F-U-S

Tgt Ion: 264 Resp: 389744

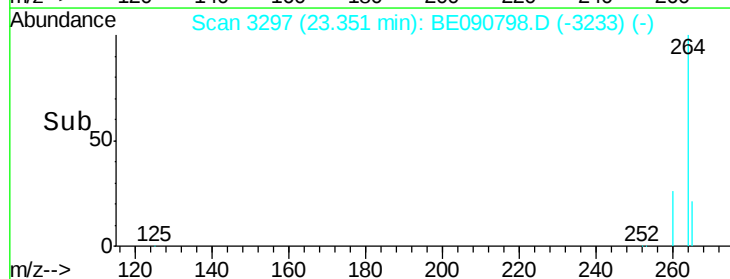
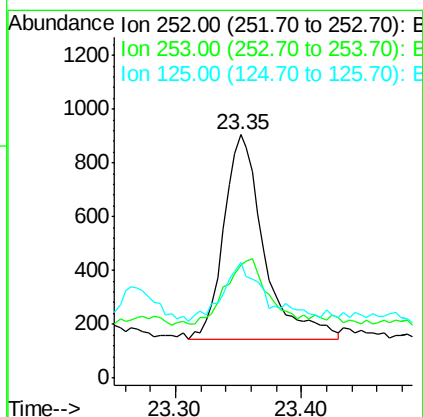
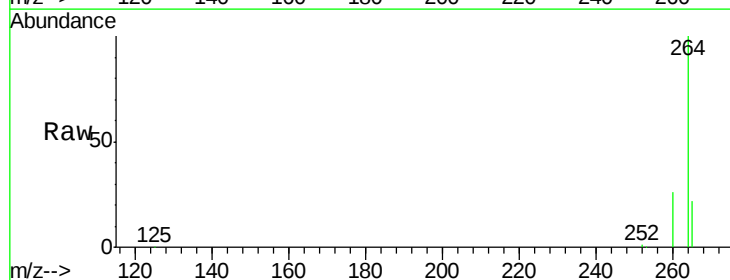
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	21.7	17.5	26.3

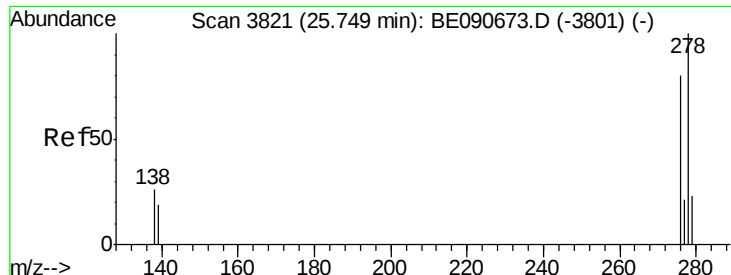


#35
Benzo(a)pyrene
Concen: 0.02 ng
RT: 23.35 min Scan# 3297
Delta R.T. 0.09 min
Lab File: BE090798.D
Acq: 14 Sep 2015 11:49

Tgt Ion: 252 Resp: 1682

Ion	Ratio	Lower	Upper
252	100		
253	46.5	17.5	26.3#
125	47.7	11.6	17.4#





#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.76 min Scan# 3822

Delta R.T. 0.01 min

Lab File: BE090798.D

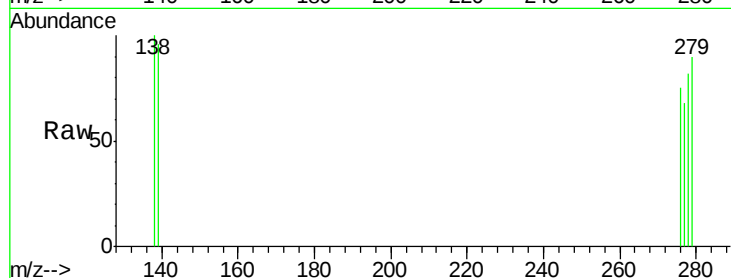
Acq: 14 Sep 2015 11:49

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-S



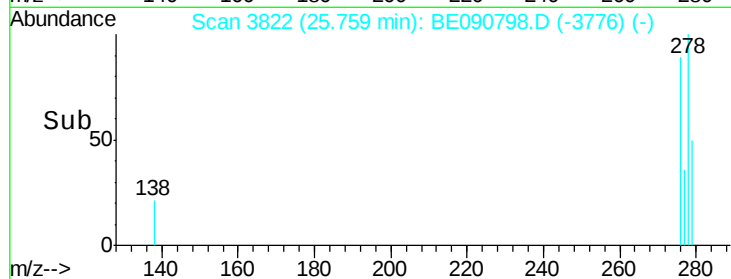
Tgt Ion: 278 Resp: 47

Ion Ratio Lower Upper

278 100

139 117.2 15.4 23.0#

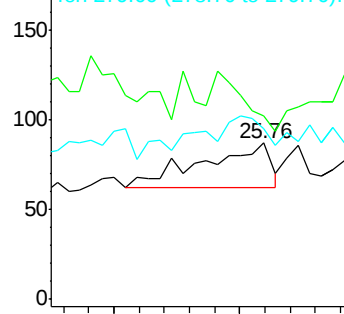
279 109.2 18.8 28.2#



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



Time-->