

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091415\
 Data File : BE090802.D
 Acq On : 14 Sep 2015 16:38
 Operator : UM/IZ
 Sample : G3635-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091015-D534-F-D-M

Quant Time: Sep 14 17:31:03 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	39715	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	170904	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	93413	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	253503	5.00	ng	0.00
25) Chrysene-d12	21.07	240	337585	5.00	ng	0.00
32) Perylene-d12	23.36	264	301367	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	18489	2.40	ng	0.00
5) Phenol-d6	6.75	99	16141	1.46	ng	0.00
7) Nitrobenzene-d5	8.71	82	31353	2.78	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	11271	4.19	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	74442	2.88	ng	0.00
27) Terphenyl-d14	19.53	244	155569	4.17	ng	-0.01

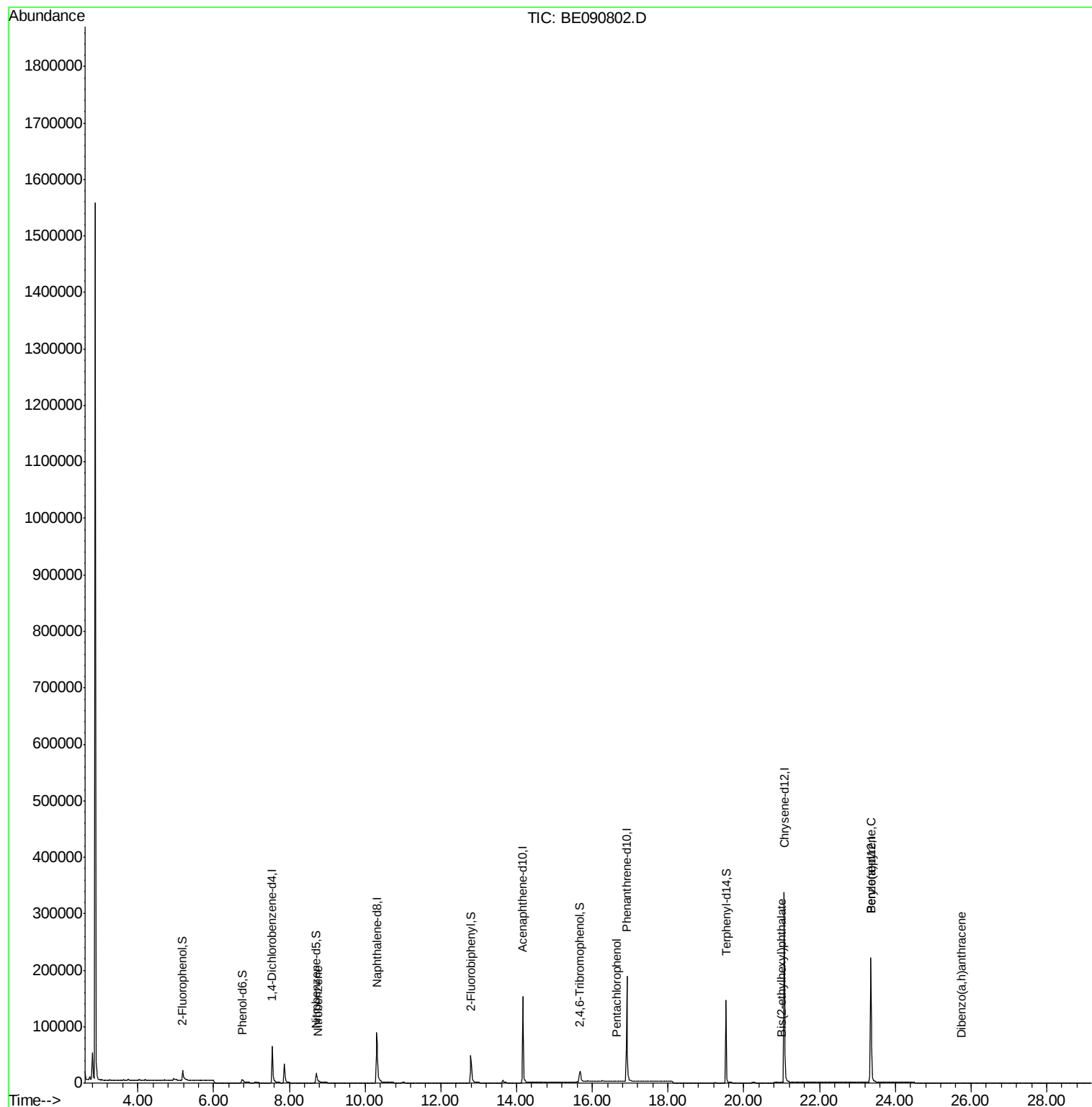
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	26	Below Cal	#	16
3) n-Nitrosodimethylamine	3.43	42	62	Below Cal	#	50
8) Nitrobenzene	8.77	77	32	0.11 ng	#	74
20) Hexachlorobenzene	16.23	284	23	Below Cal	#	37
21) Pentachlorophenol	16.65	266	20	0.46 ng	#	63
29) Chrysene	21.07	228	1283	Below Cal	#	71
30) Bis(2-ethylhexyl)phthalate	21.00	149	1448	0.14 ng	#	98
35) Benzo(a)pyrene	23.35	252	1241	0.02 ng	#	37
36) Dibenzo(a,h)anthracene	25.74	278	15	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# 837

Delta R.T. -0.01 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-D-M

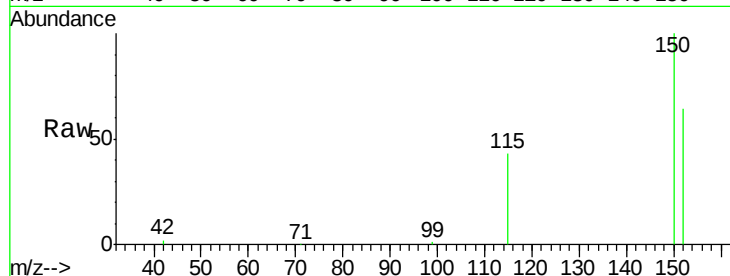
Tgt Ion: 152 Resp: 39715

Ion Ratio Lower Upper

152 100

150 157.1 122.2 183.4

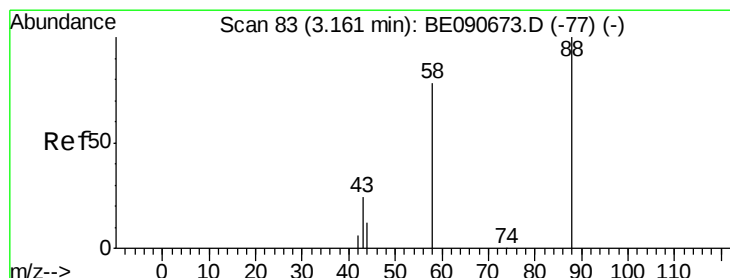
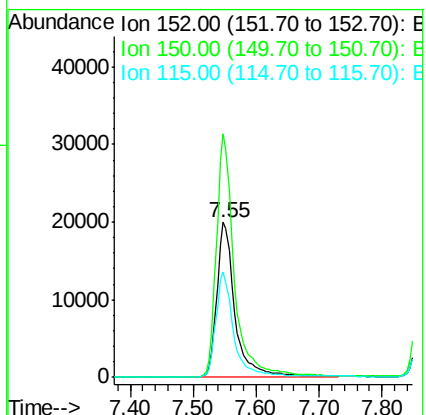
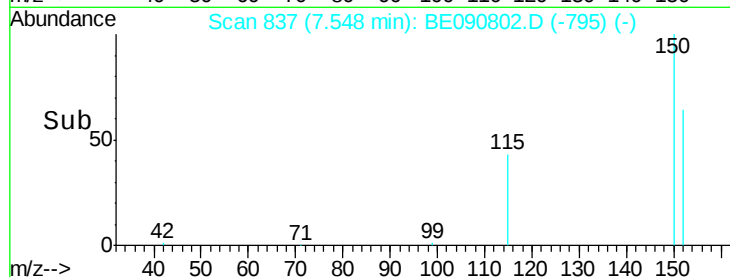
115 68.3 51.0 76.4



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: 3.31 min Scan# 105

Delta R.T. 0.15 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

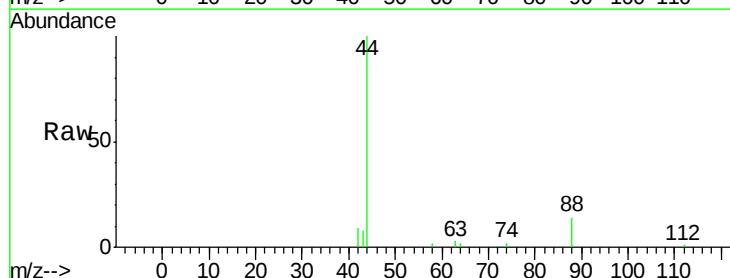
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

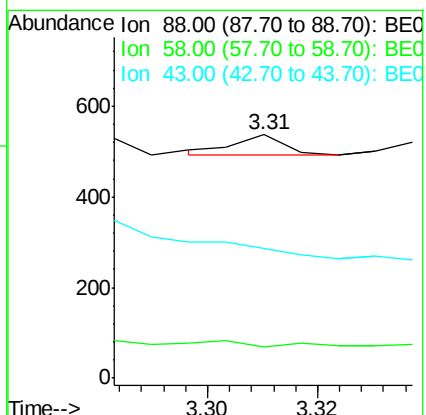
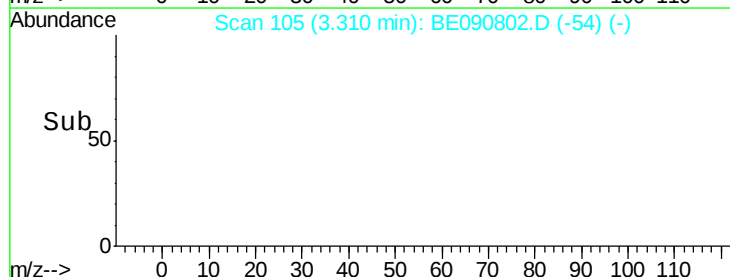
43 0.0 26.9 40.3#



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



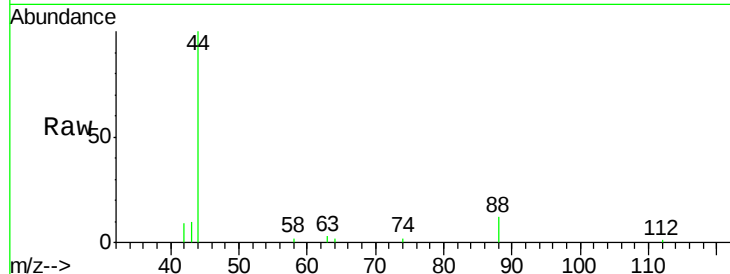


#3

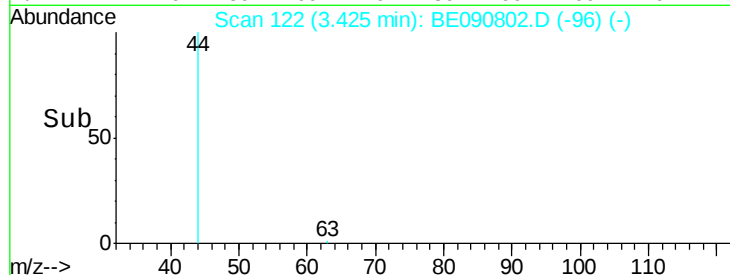
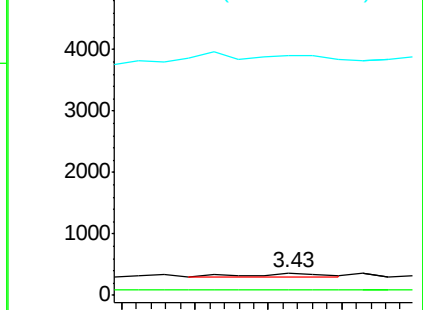
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.43 min Scan# 122
 Delta R.T. -0.03 min
 Lab File: BE090802.D
 Acq: 14 Sep 2015 16:38

Instrument :
 BNA_E
 ClientSampleId :
 091015-D534-F-D-M

Tgt Ion: 42 Resp: 62
 Ion Ratio Lower Upper
 42 100
 74 51.6 83.7 125.5#
 44 0.0 10.0 15.0#



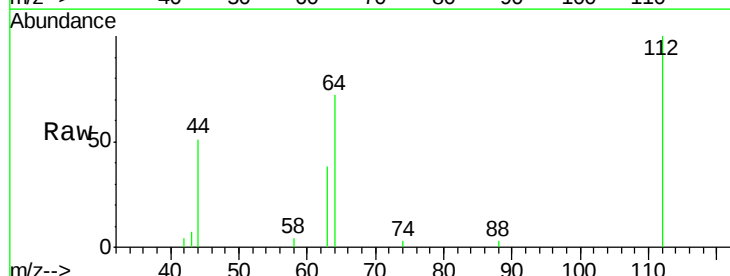
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



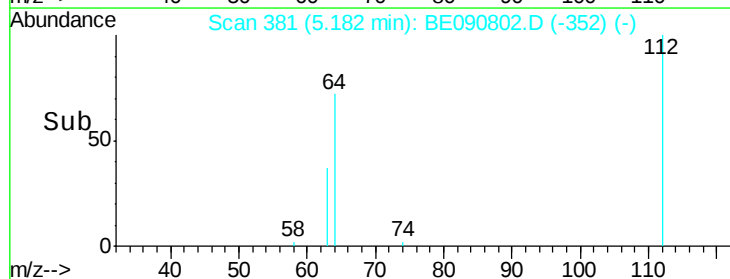
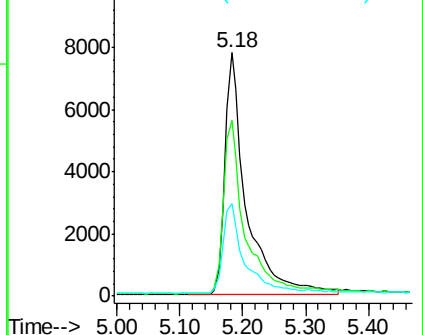
#4

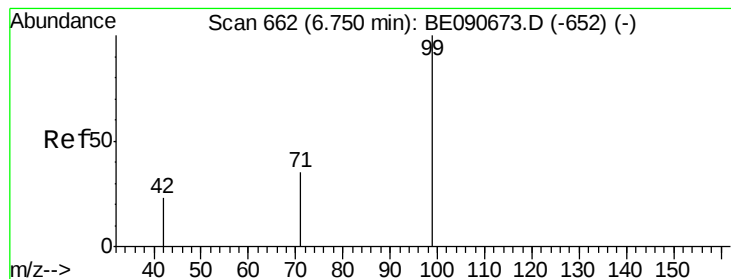
2-Fluorophenol
 Concen: 2.40 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090802.D
 Acq: 14 Sep 2015 16:38

Tgt Ion: 112 Resp: 18489
 Ion Ratio Lower Upper
 112 100
 64 72.3 57.3 85.9
 63 38.2 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: 1.46 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-D-M

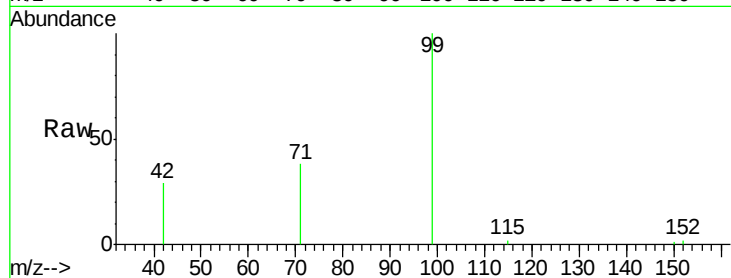
Tgt Ion: 99 Resp: 16141

Ion Ratio Lower Upper

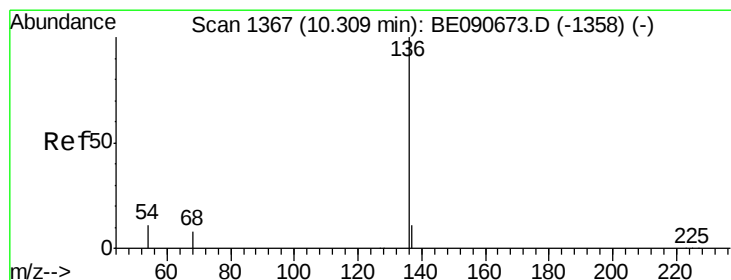
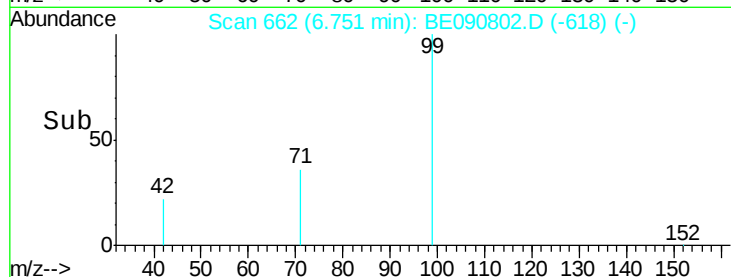
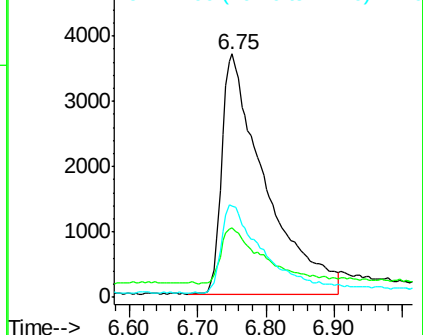
99 100

42 23.6 16.8 25.2

71 37.2 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: BE090802.D

Acq: 14 Sep 2015 16:38

Tgt Ion: 136 Resp: 170904

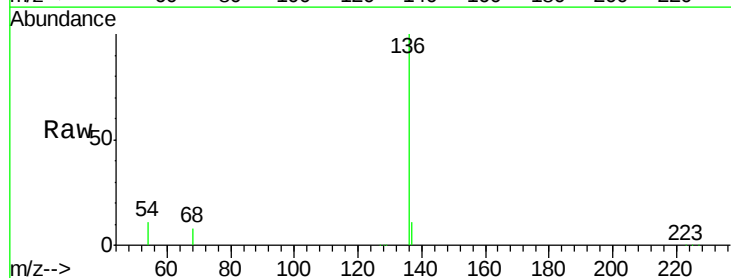
Ion Ratio Lower Upper

136 100

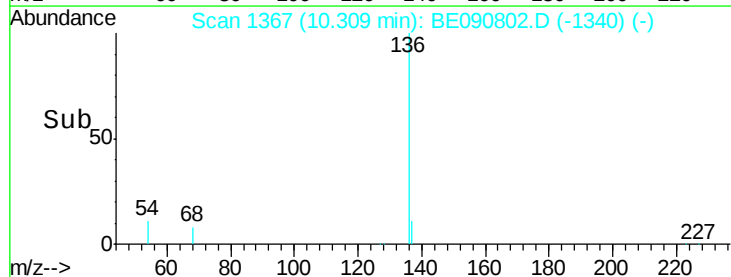
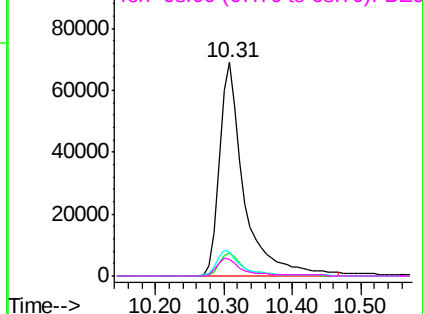
137 11.0 8.7 13.1

54 11.1 9.0 13.6

68 8.1 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: 2.78 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-D-M

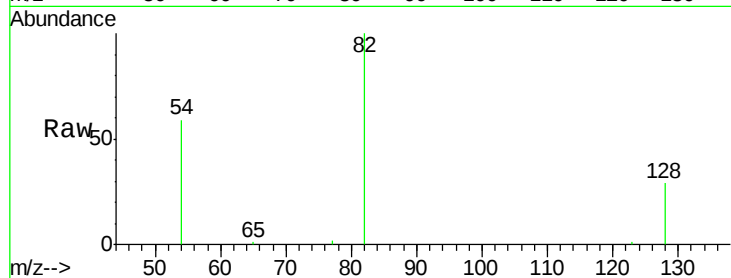
Tgt Ion: 82 Resp: 31353

Ion Ratio Lower Upper

82 100

128 28.9 25.0 37.4

54 59.3 46.3 69.5

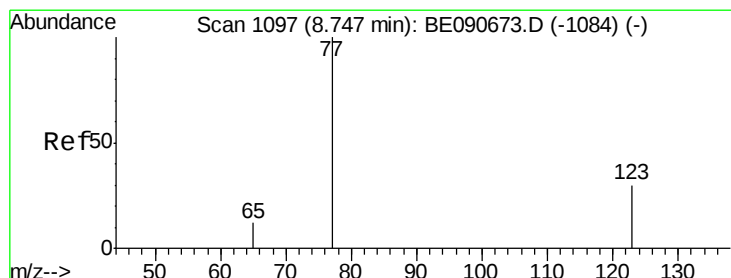
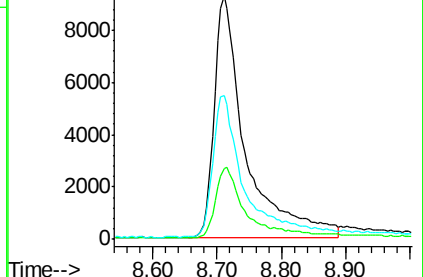
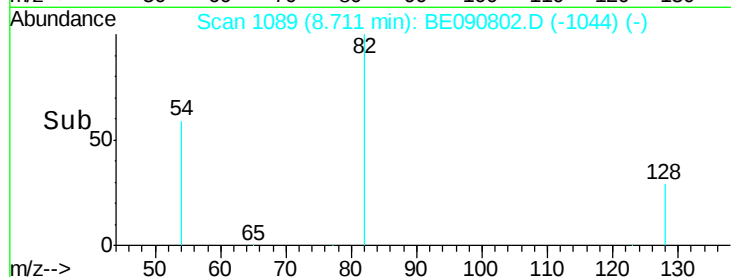


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.02 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

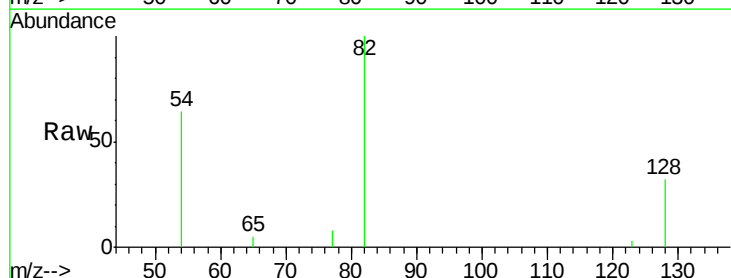
Tgt Ion: 77 Resp: 32

Ion Ratio Lower Upper

77 100

123 21.9 25.1 37.7#

65 31.3 9.9 14.9#

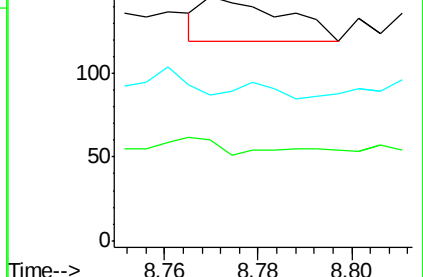
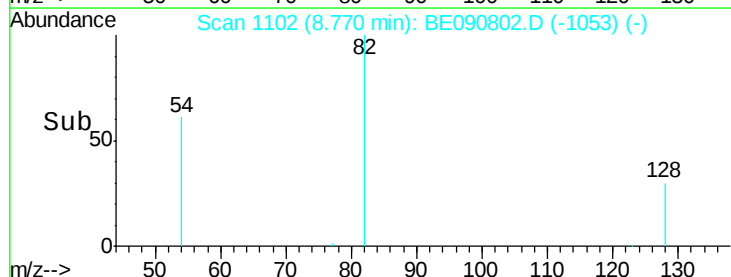


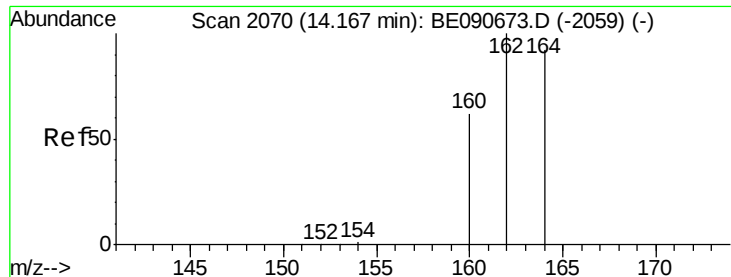
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

Instrument :

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ClientSampleId :

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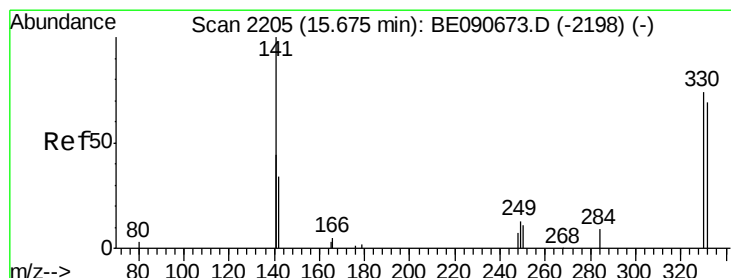
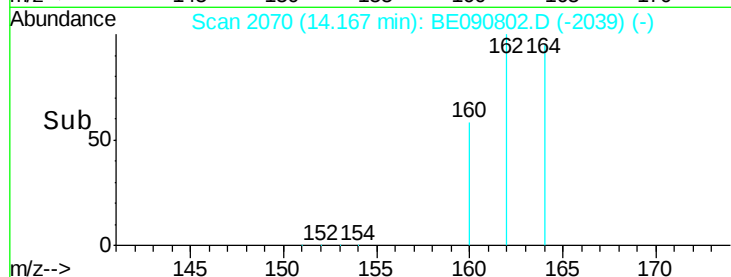
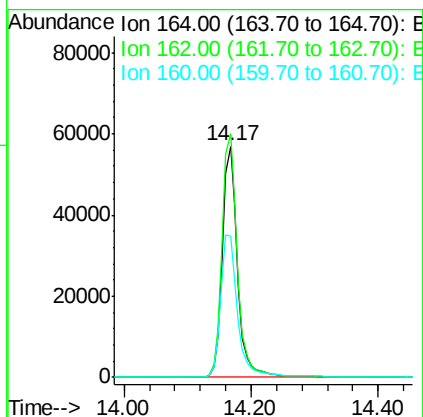
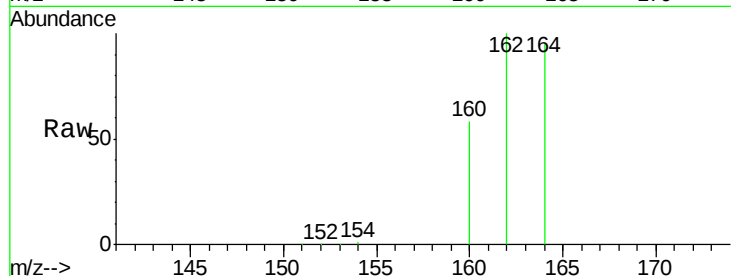
Tgt Ion:164 Resp: 93413

Ion Ratio Lower Upper

164 100

162 105.3 86.8 130.2

160 61.1 53.9 80.9



#13

2,4,6-Tribromophenol

Concen: 4.19 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

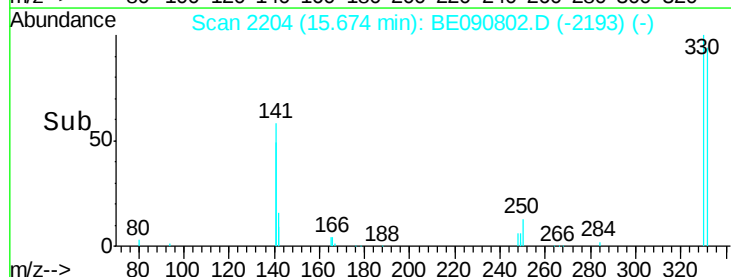
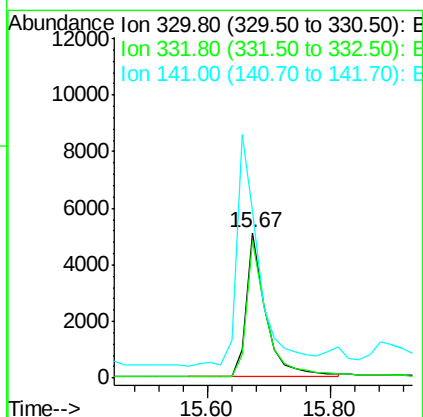
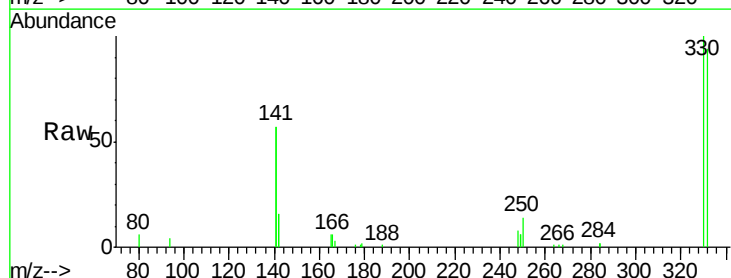
Tgt Ion:330 Resp: 11271

Ion Ratio Lower Upper

330 100

332 96.5 74.9 112.3

141 183.3 145.2 217.8

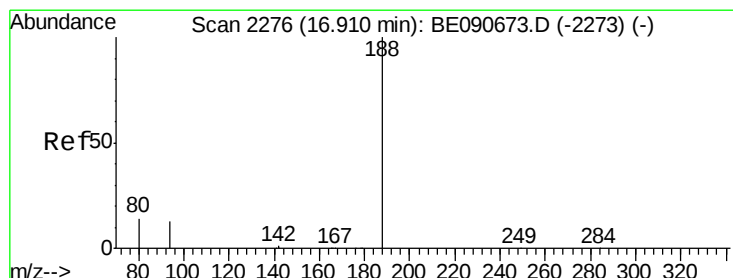
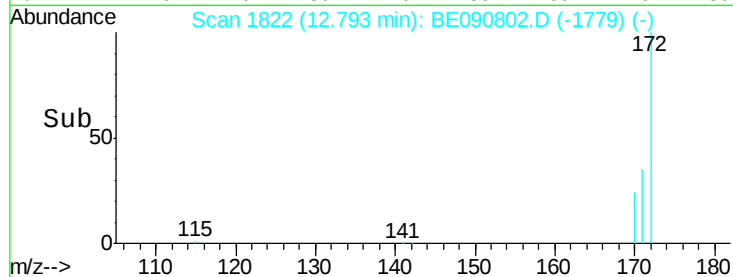
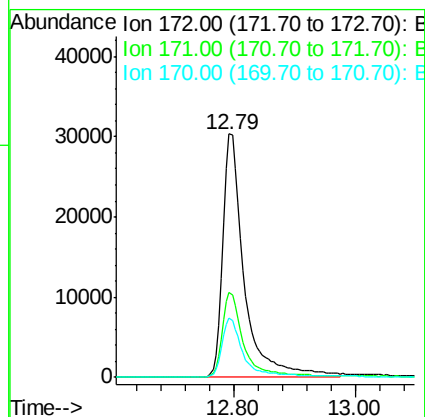
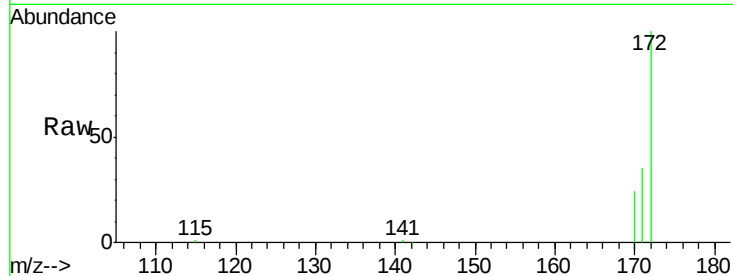




#14
2-Fluorobiphenyl
Concen: 2.88 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE090802.D
Acq: 14 Sep 2015 16:38

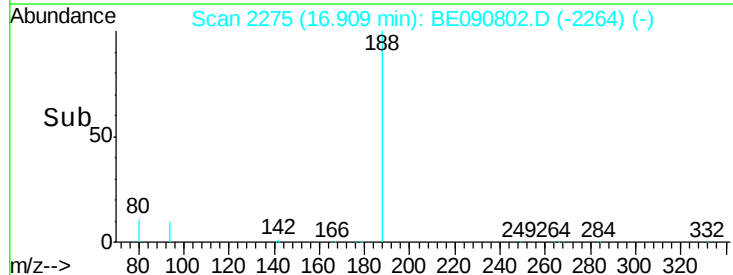
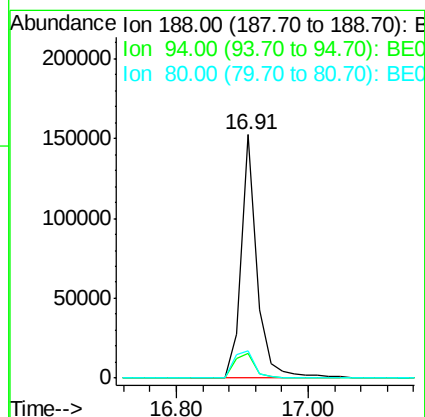
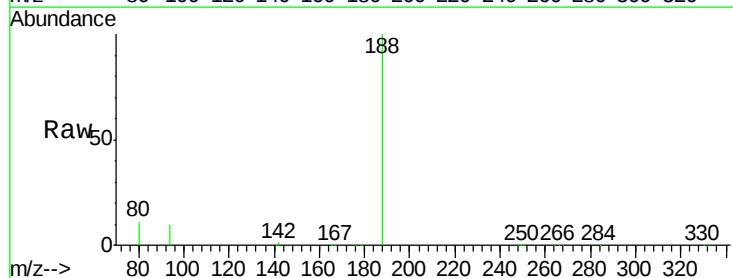
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Tgt Ion:172 Resp: 74442
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 24.1 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090802.D
Acq: 14 Sep 2015 16:38

Tgt Ion:188 Resp: 253503
Ion Ratio Lower Upper
188 100
94 10.3 10.3 15.5#
80 11.2 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-D-M

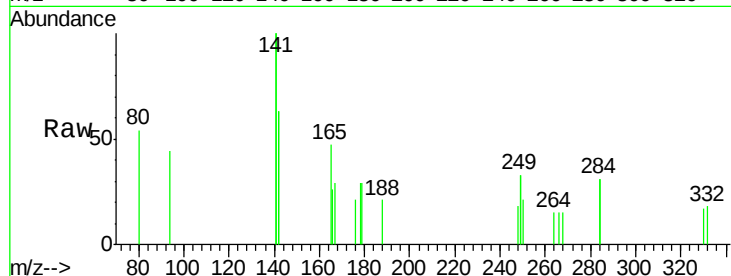
Tgt Ion:284 Resp: 23

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

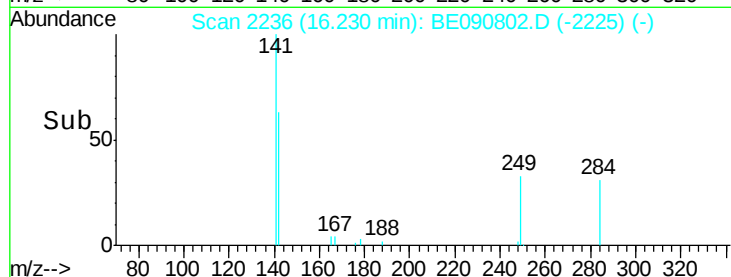
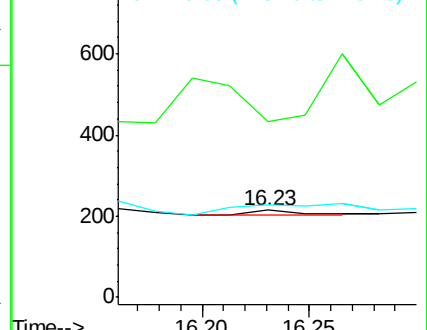
249 0.0 25.5 38.3#



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: 0.46 ng

RT: 16.65 min Scan# 2260

Delta R.T. 0.05 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

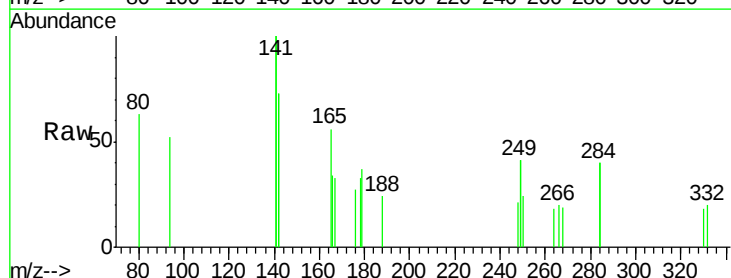
Tgt Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

268 94.4 49.6 74.4#

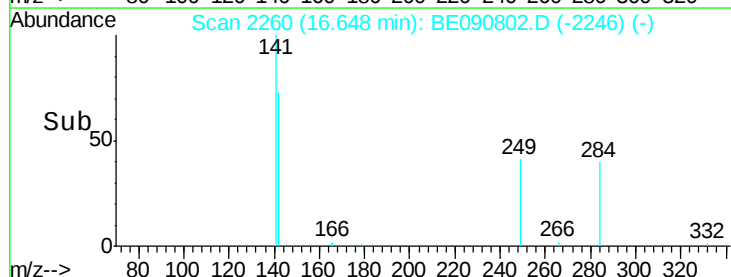
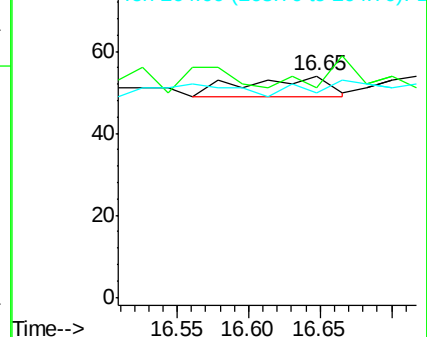
264 92.6 53.9 80.9#

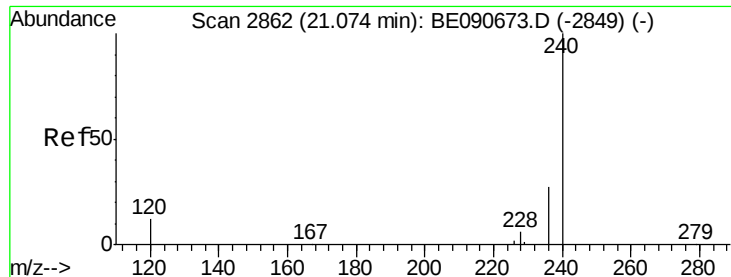


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE090802.D

Acq: 14 Sep 2015 16:38

Instrument :

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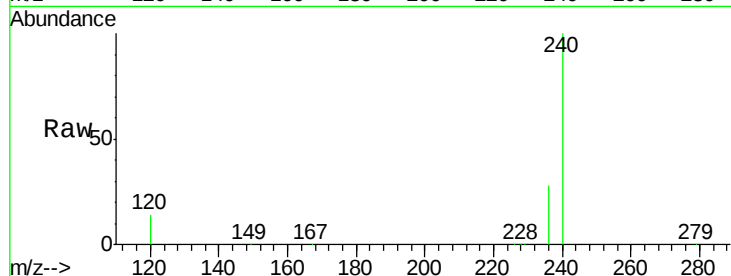
Tgt Ion:240 Resp: 337585

Ion Ratio Lower Upper

240 100

120 14.2 10.1 15.1

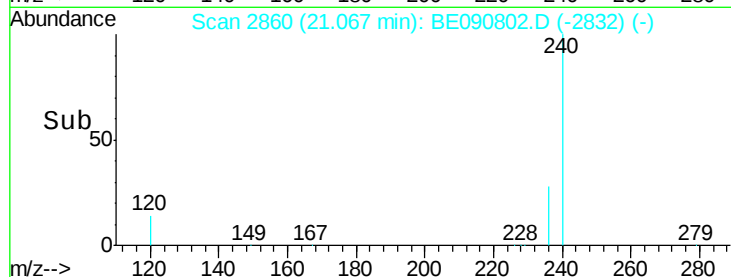
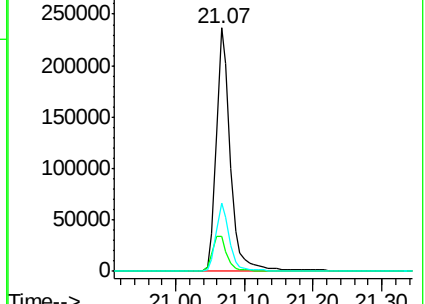
236 27.8 21.9 32.9



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: 4.17 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

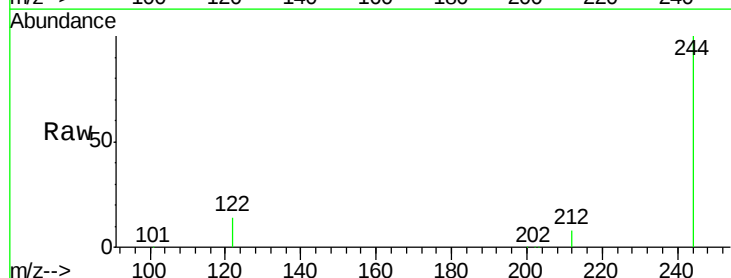
Tgt Ion:244 Resp: 155569

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

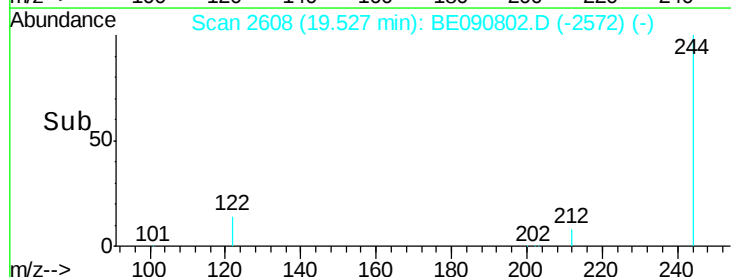
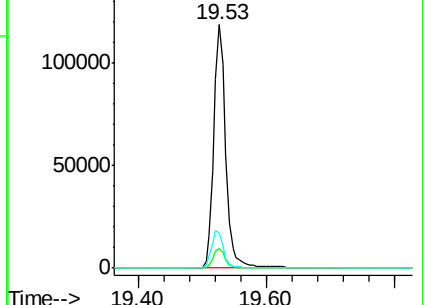
122 14.5 12.9 19.3



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: BE090802.D

Acq: 14 Sep 2015 16:38

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-D-M

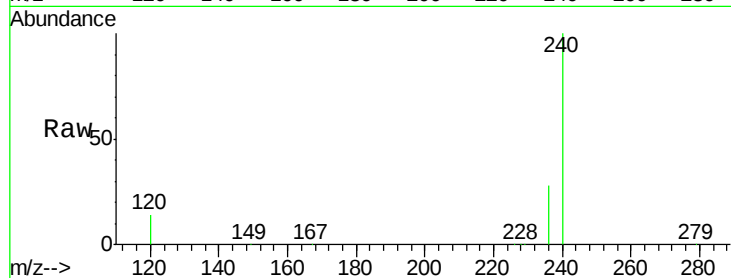
Tgt Ion:228 Resp: 1283

Ion Ratio Lower Upper

228 100

226 17.6 24.2 36.4#

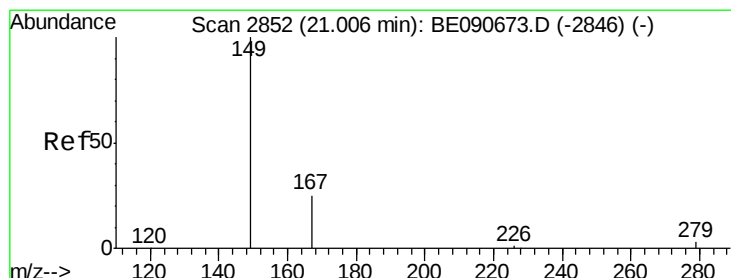
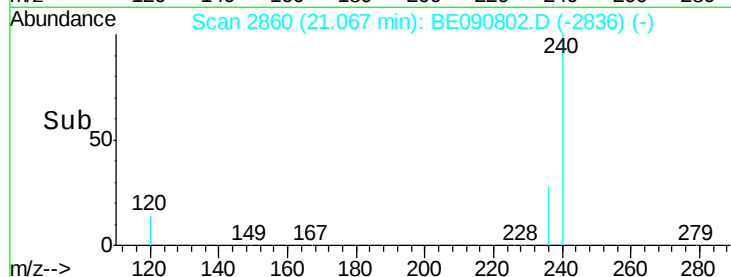
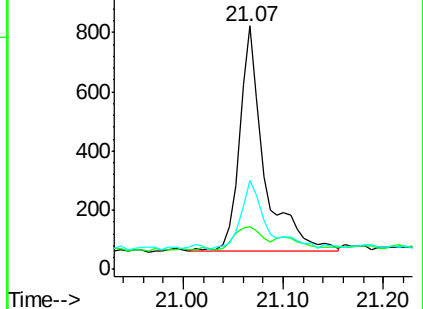
229 36.2 15.3 22.9#



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.14 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090802.D

Acq: 14 Sep 2015 16:38

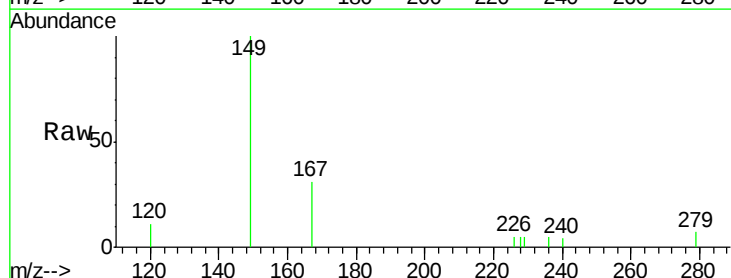
Tgt Ion:149 Resp: 1448

Ion Ratio Lower Upper

149 100

167 24.4 20.1 30.1

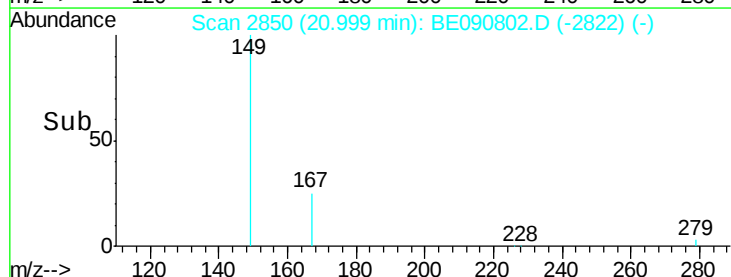
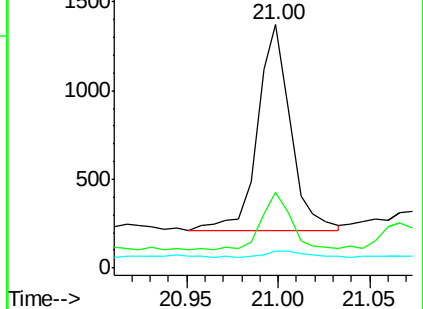
279 4.3 2.3 3.5#

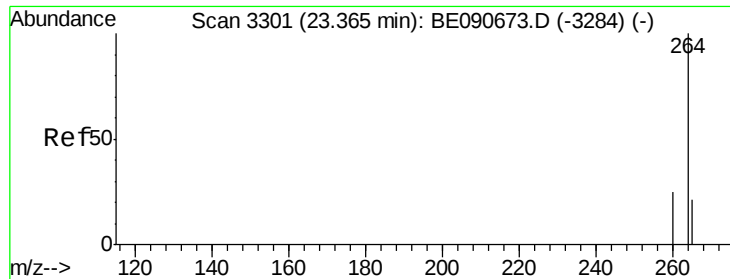


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

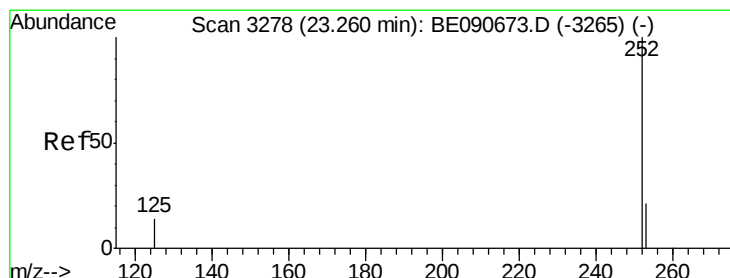
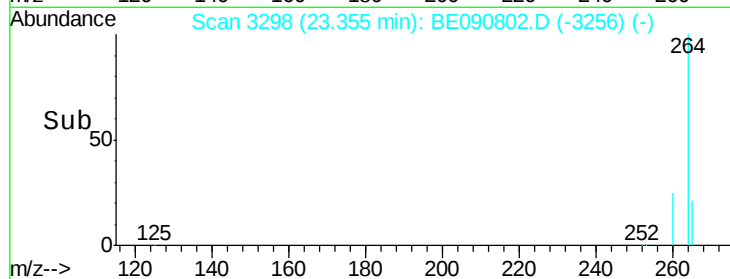
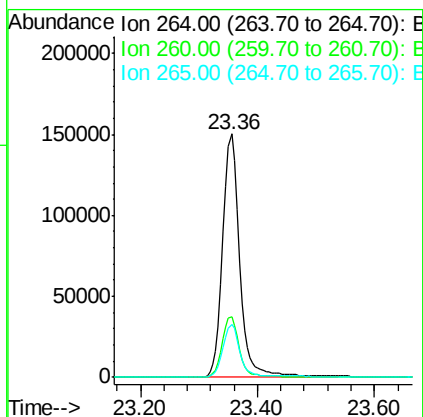
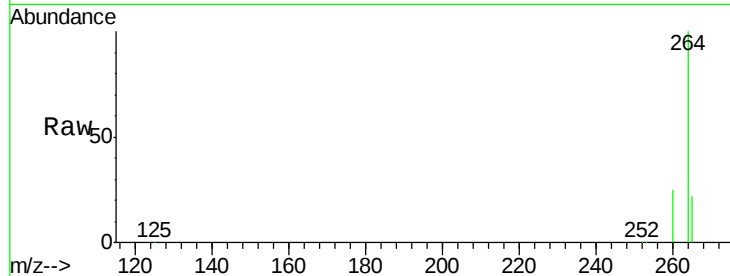




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090802.D
 Acq: 14 Sep 2015 16:38

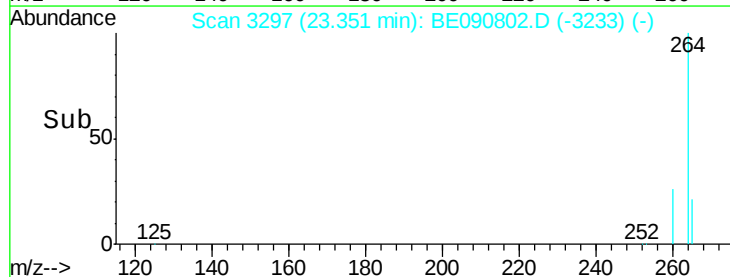
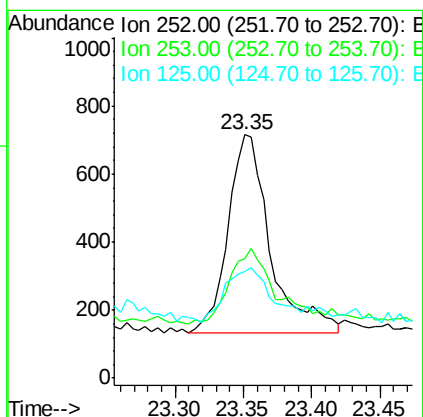
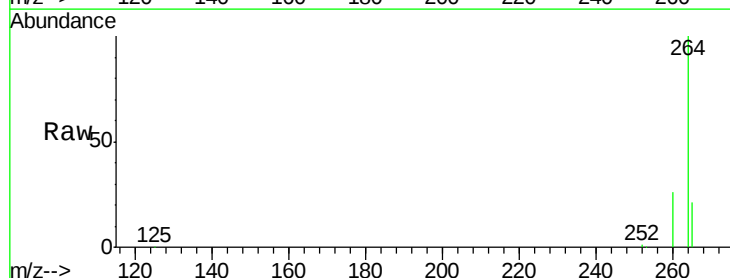
Instrument :
 BNA_E
 ClientSampleId :
 091015-D534-F-D-M

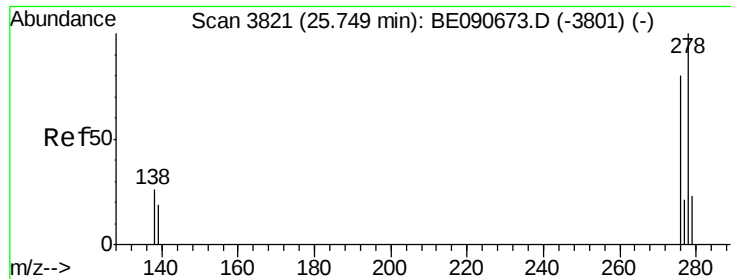
Tgt Ion: 264 Resp: 301367
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.7 29.5
 265 21.5 17.5 26.3



#35
 Benzo(a)pyrene
 Concen: 0.02 ng
 RT: 23.35 min Scan# 3297
 Delta R.T. 0.09 min
 Lab File: BE090802.D
 Acq: 14 Sep 2015 16:38

Tgt Ion: 252 Resp: 1241
 Ion Ratio Lower Upper
 252 100
 253 49.2 17.5 26.3#
 125 43.9 11.6 17.4#





#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.74 min Scan# 3818

Delta R.T. -0.01 min

Lab File: BE090802.D

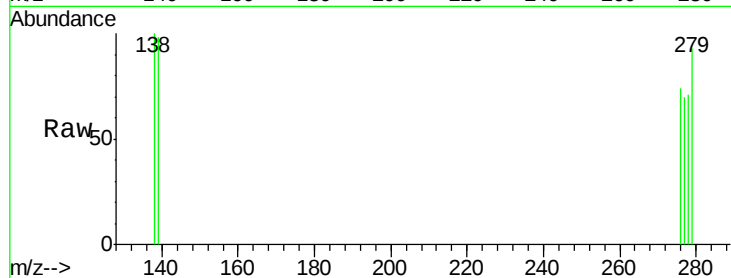
Acq: 14 Sep 2015 16:38

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-D-M



Tgt Ion: 278 Resp: 15

Ion Ratio Lower Upper

278 100

139 137.5 15.4 23.0#

279 131.3 18.8 28.2#

