

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091015\
 Data File : BE090768.D
 Acq On : 10 Sep 2015 19:18
 Operator : UM/IZ
 Sample : G3598-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 090815-D534-F-D-M

Quant Time: Sep 11 02:53:19 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	39506	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	180489	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	99628	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	248706	5.00	ng	0.00
25) Chrysene-d12	21.07	240	287373	5.00	ng	0.00
32) Perylene-d12	23.36	264	255360	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	29418	3.83	ng	0.00
5) Phenol-d6	6.75	99	26330	2.39	ng	0.00
7) Nitrobenzene-d5	8.71	82	50173	4.21	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	27122	9.25	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	115024	4.17	ng	0.00
27) Terphenyl-d14	19.53	244	203007	6.38	ng	-0.01

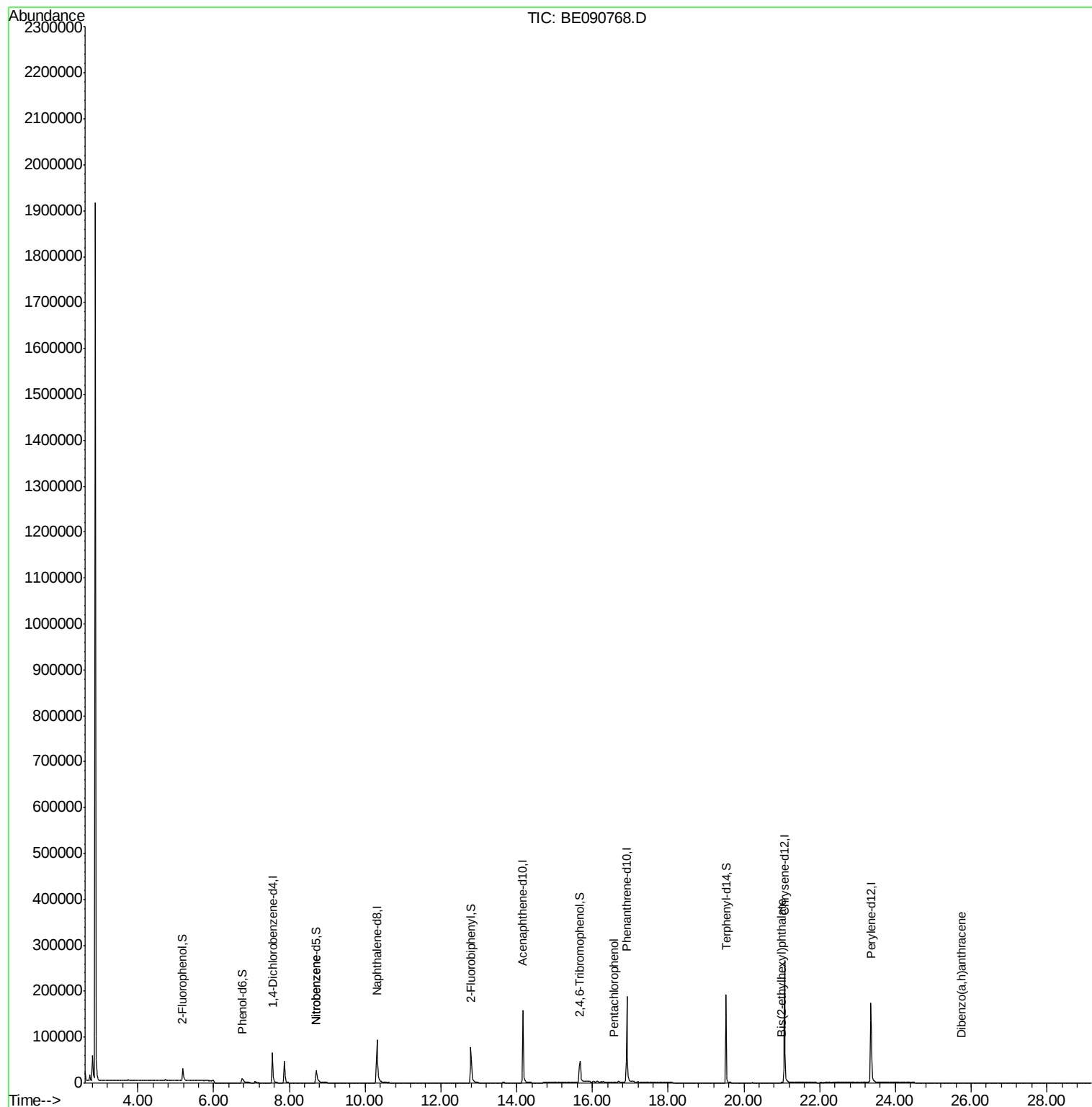
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	140	Below Cal	#	16
3) n-Nitrosodimethylamine	3.45	42	52	Below Cal	#	1
8) Nitrobenzene	8.72	77	186	0.12	ng	56
20) Hexachlorobenzene	16.23	284	84	Below Cal	#	73
21) Pentachlorophenol	16.58	266	26	0.47	ng	59
29) Chrysene	21.11	228	317	Below Cal	#	60
30) Bis(2-ethylhexyl)phthalate	21.00	149	1786	0.17	ng	96
36) Dibenzo(a,h)anthracene	25.75	278	47	0.14	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: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090768.D

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BNA_E

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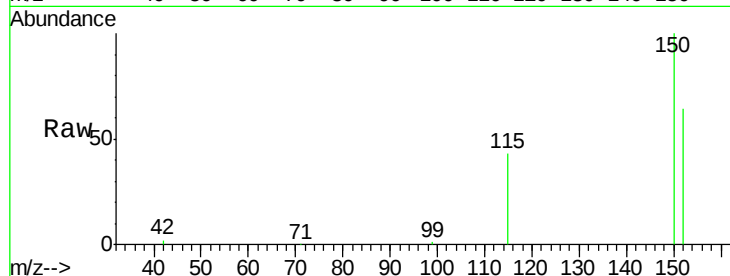
Tot Ion:152 Resp: 39506

Ion Ratio Lower Upper

152 100

150 155.5 122.2 183.4

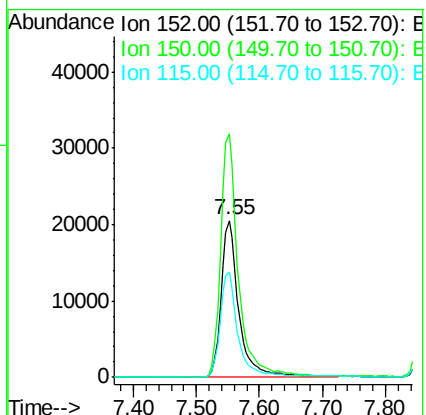
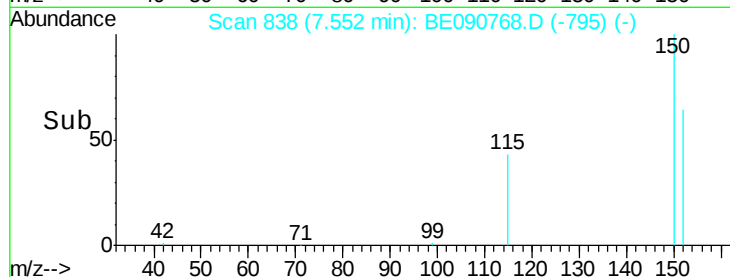
115 67.0 51.0 76.4



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: 3.23 min Scan# 93

Delta R.T. 0.07 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

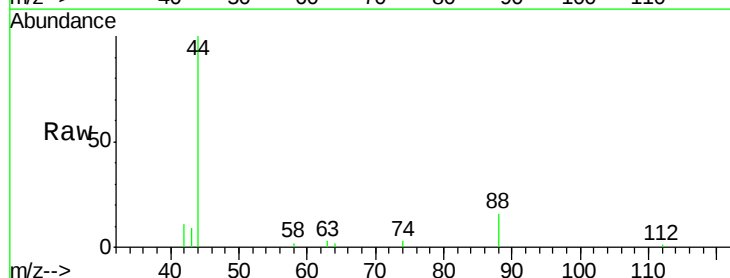
Tgt Ion: 88 Resp: 140

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

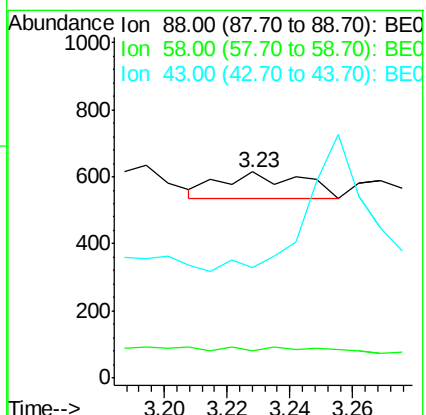
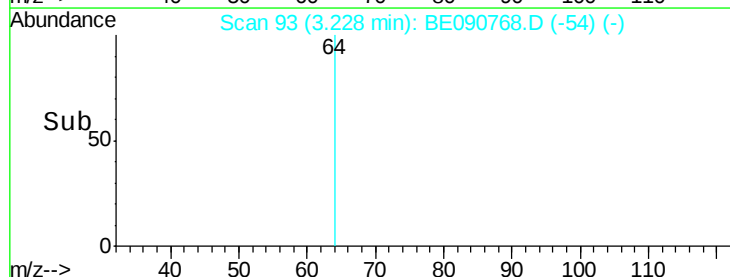
43 0.0 26.9 40.3#



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



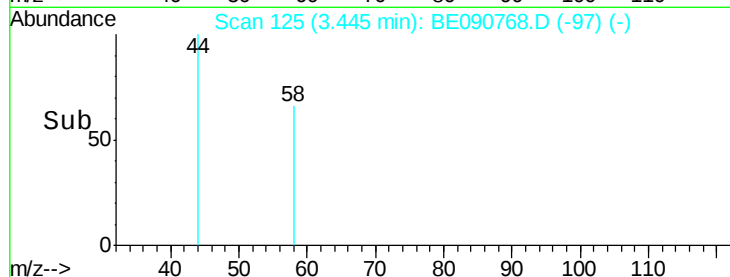
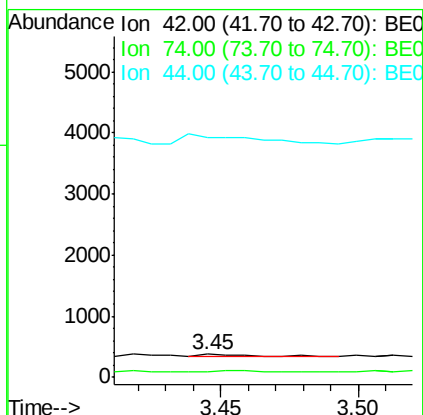
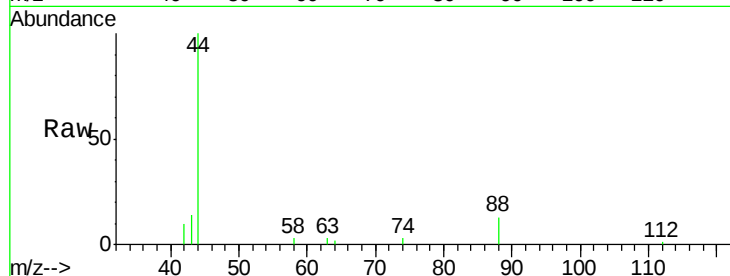


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: BE090768.D
 Acq: 10 Sep 2015 19:18

Instrument :
 BNA_E
 ClientSampleId :
 090815-D534-F-D-M

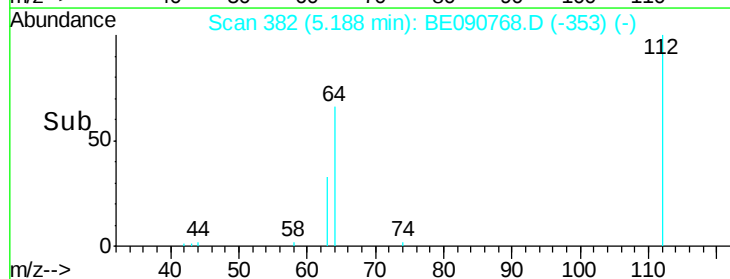
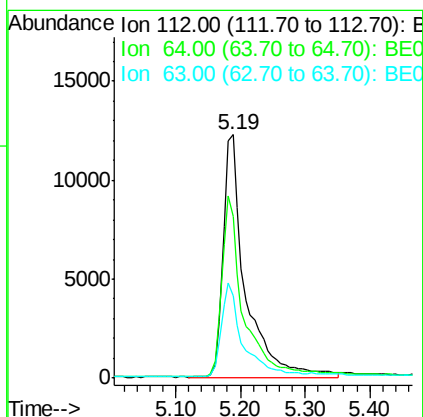
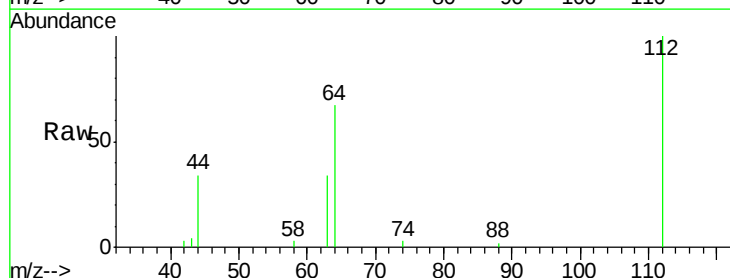
Tot Ion: 42 Resp: 52
 Ion Ratio Lower Upper
 42 100
 74 25.0 83.7 125.5#
 44 530.8 10.0 15.0#

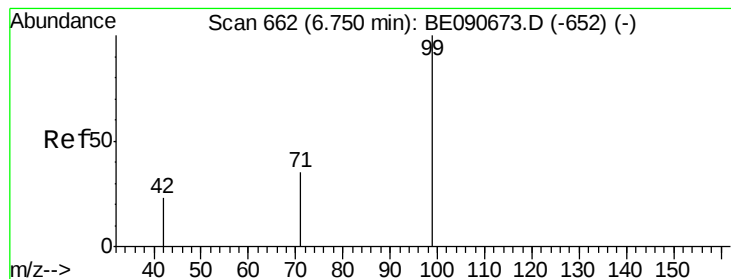


#4

2-Fluorophenol
 Concen: 3.83 ng
 RT: 5.19 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: BE090768.D
 Acq: 10 Sep 2015 19:18

Tgt Ion: 112 Resp: 29418
 Ion Ratio Lower Upper
 112 100
 64 71.8 57.3 85.9
 63 37.2 29.2 43.8





#5

Phenol-d6

Concen: 2.39 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

Instrument :

BNA_E

ClientSampleId :

090815-D534-F-D-M

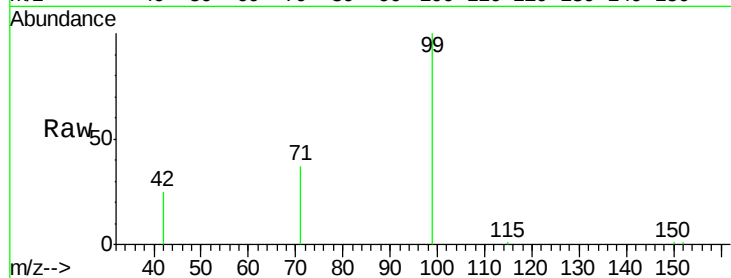
Tot Ion: 99 Resp: 26330

Ion Ratio Lower Upper

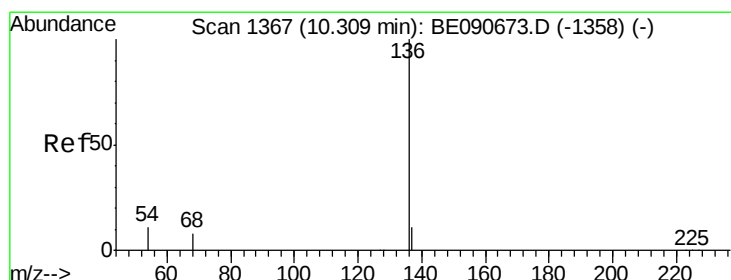
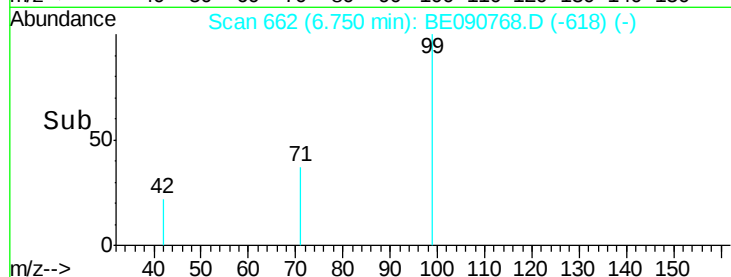
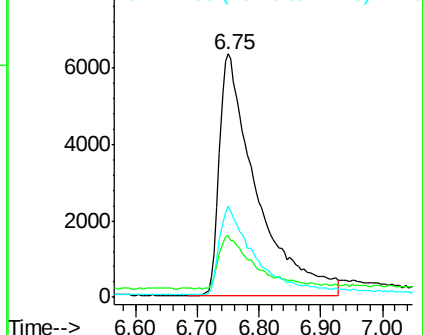
99 100

42 21.2 16.8 25.2

71 34.8 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: BE090768.D

Acq: 10 Sep 2015 19:18

Tgt Ion: 136 Resp: 180489

Ion Ratio Lower Upper

136 100

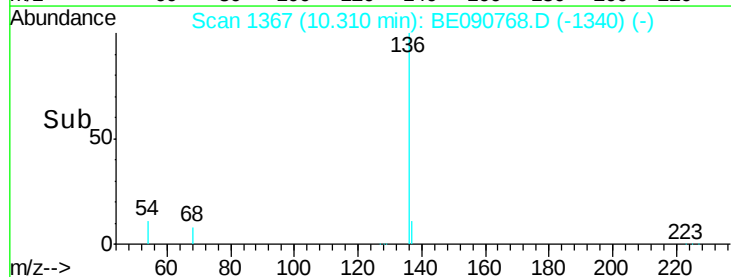
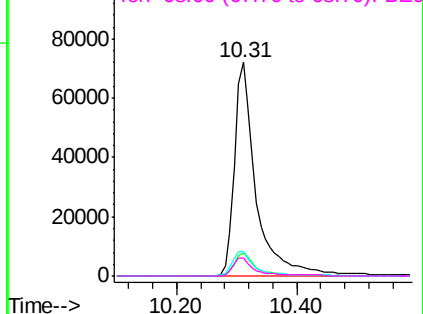
137 10.8 8.7 13.1

54 11.4 9.0 13.6

68 8.2 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: 4.21 ng

RT: 8.71 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

Instrument :

BNA_E

ClientSampleId :

090815-D534-F-D-M

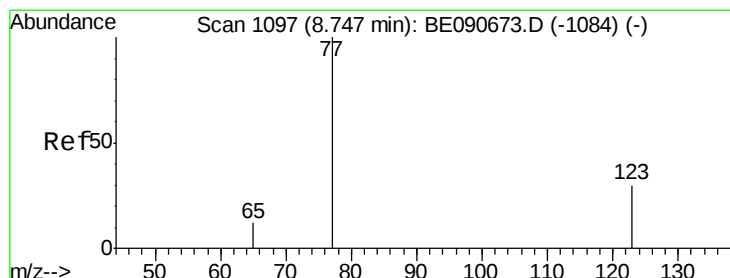
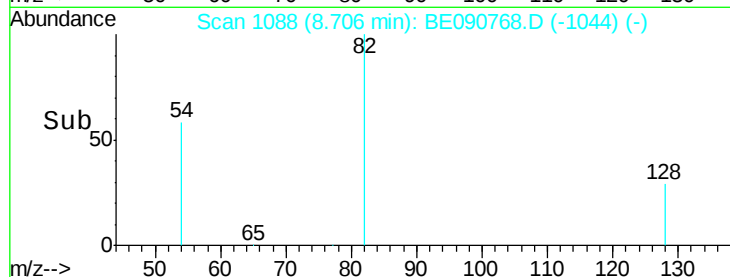
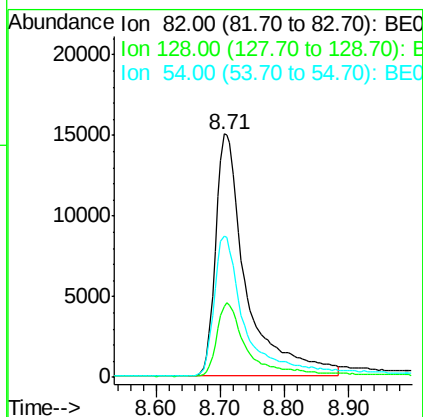
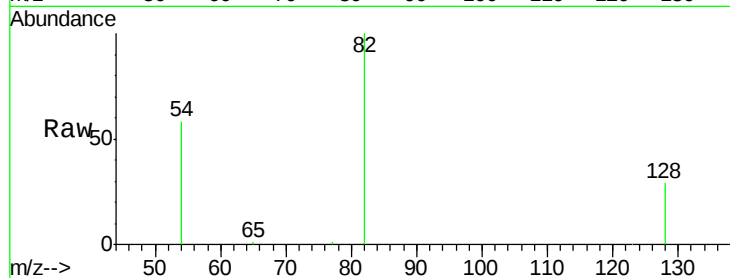
Tot Ion: 82 Resp: 50173

Ion Ratio Lower Upper

82 100

128 29.3 25.0 37.4

54 58.0 46.3 69.5



#8

Nitrobenzene

Concen: 0.12 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

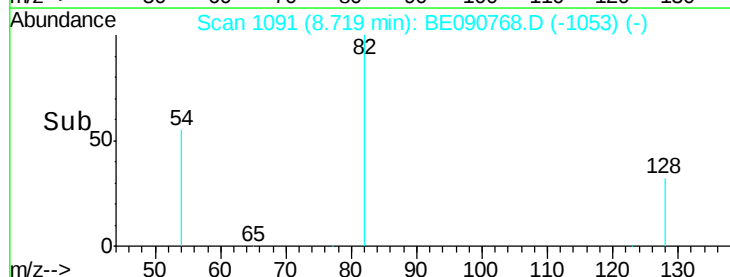
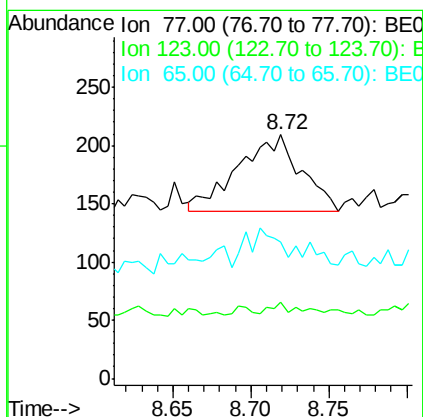
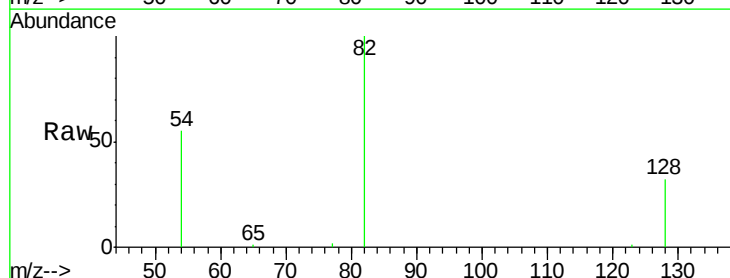
Tgt Ion: 77 Resp: 186

Ion Ratio Lower Upper

77 100

123 4.8 25.1 37.7#

65 25.8 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: BE090768.D

Acq: 10 Sep 2015 19:18

Instrument :

BNA_E

ClientSampleId :

090815-D534-F-D-M

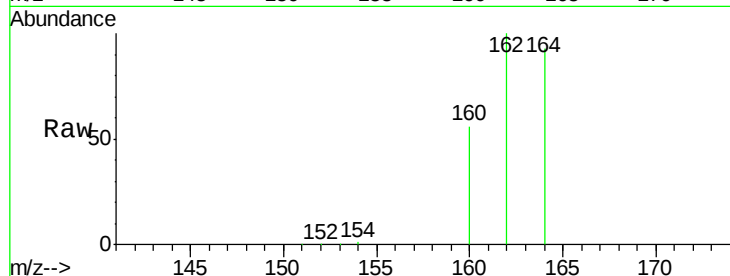
Tot Ion:164 Resp: 99628

Ion Ratio Lower Upper

164 100

162 107.1 86.8 130.2

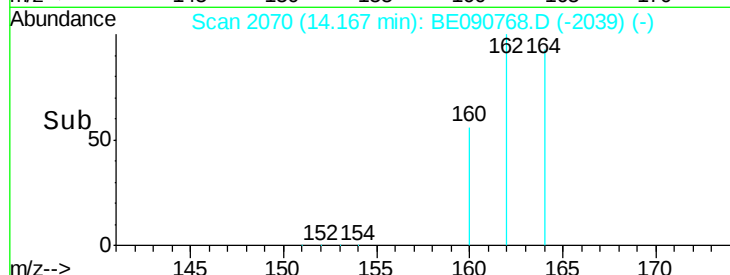
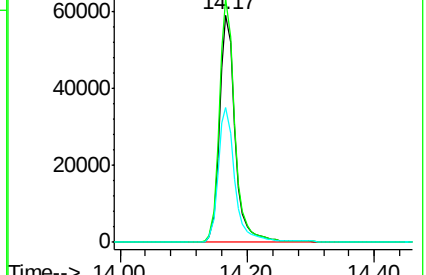
160 59.5 53.9 80.9



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: 9.25 ng

RT: 15.67 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

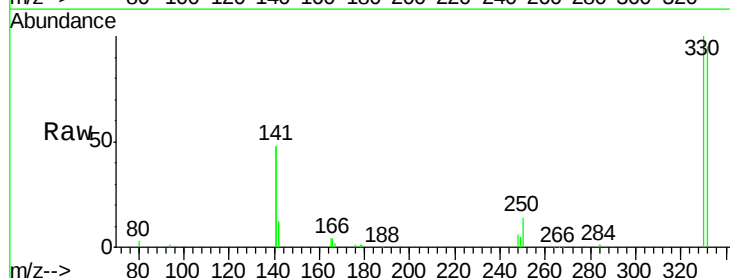
Tgt Ion:330 Resp: 27122

Ion Ratio Lower Upper

330 100

332 95.7 74.9 112.3

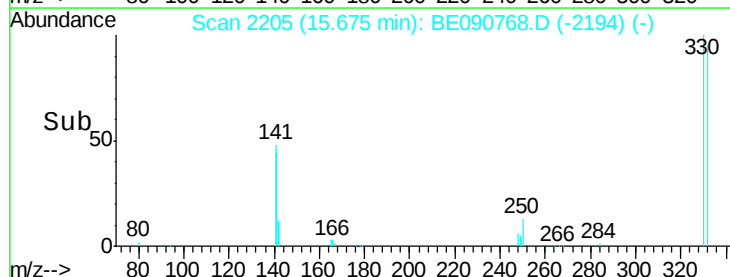
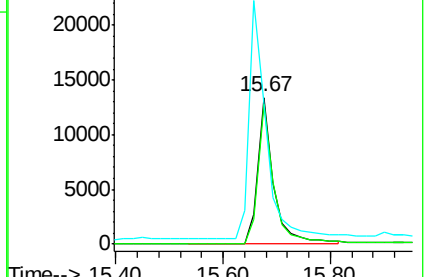
141 177.9 145.2 217.8



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

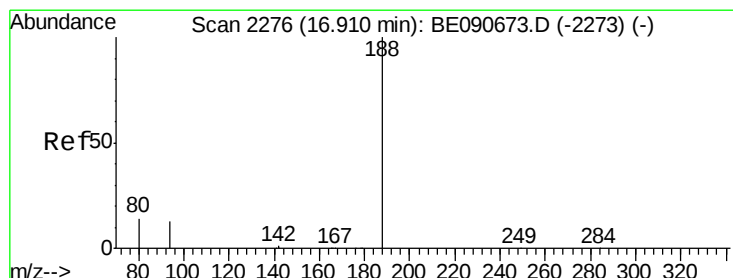
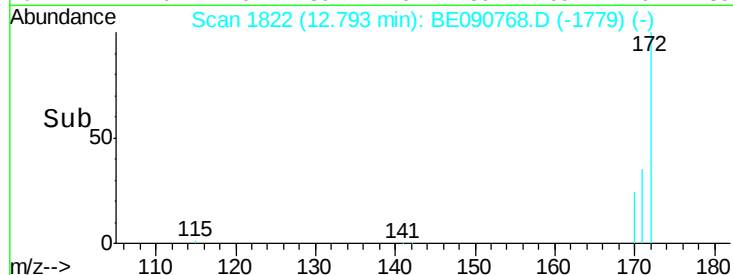
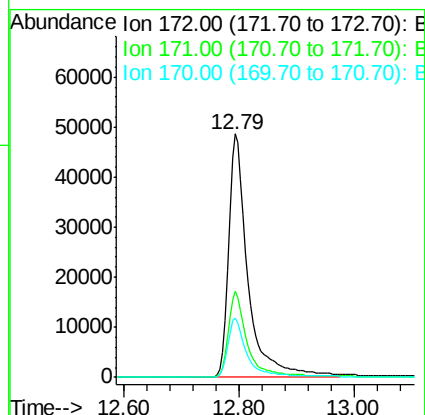
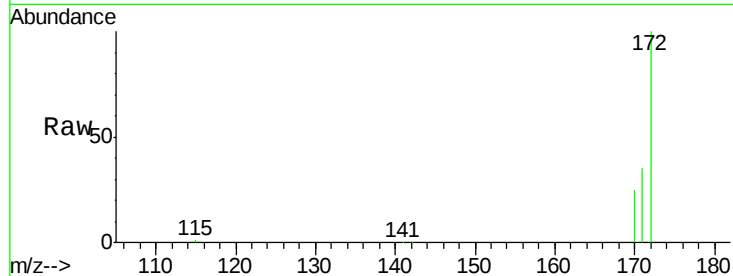




#14
2-Fluorobiphenyl
Concen: 4.17 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE090768.D
Acq: 10 Sep 2015 19:18

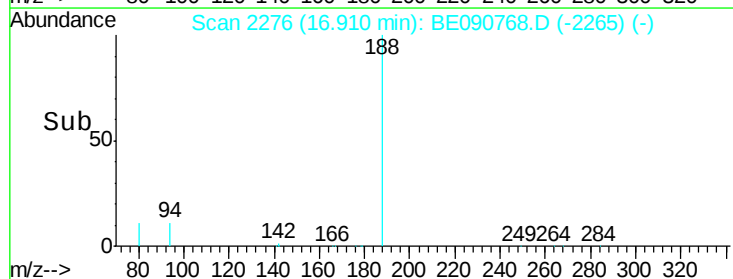
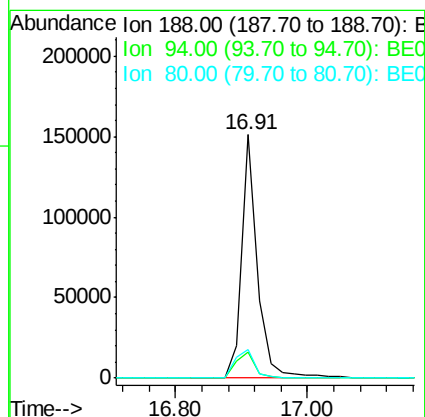
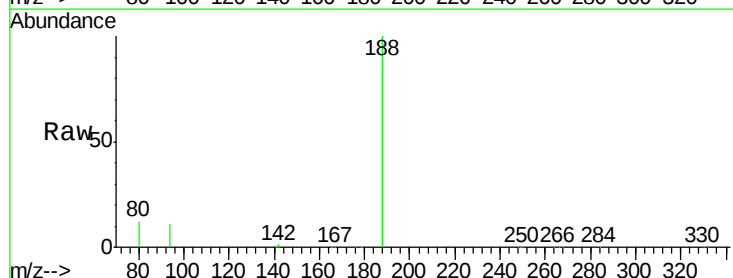
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Tot Ion:172 Resp: 115024
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.8
170 24.5 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BE090768.D
Acq: 10 Sep 2015 19:18

Tgt Ion:188 Resp: 248706
Ion Ratio Lower Upper
188 100
94 10.9 10.3 15.5
80 11.6 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

Instrument :

BNA_E

ClientSampleId :

090815-D534-F-D-M

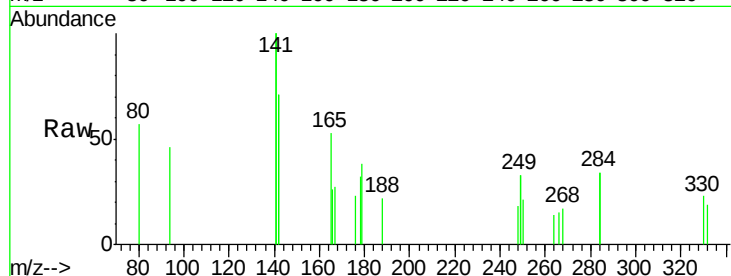
Tot Ion:284 Resp: 84

Ion Ratio Lower Upper

284 100

142 48.8 35.0 52.4

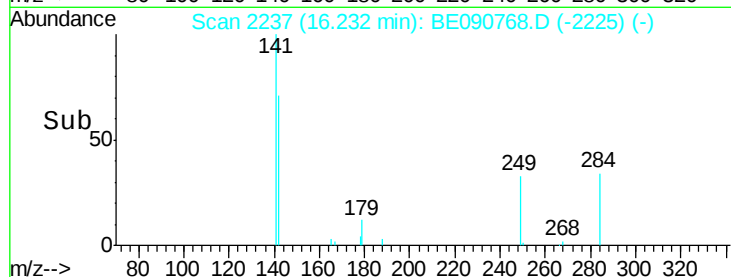
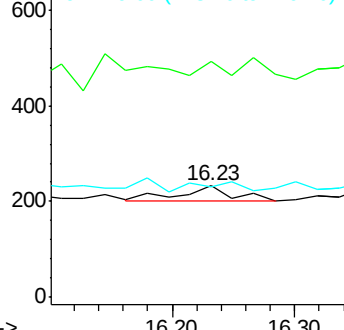
249 61.9 25.5 38.3#



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: 16.58 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

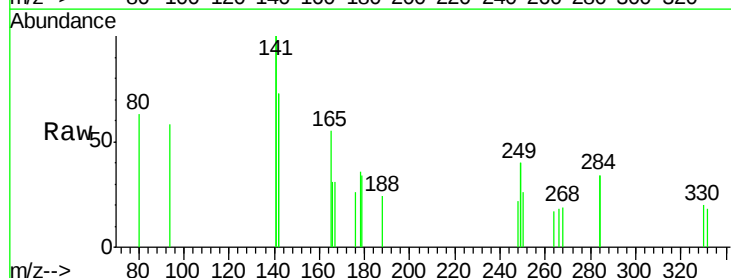
Tgt Ion:266 Resp: 26

Ion Ratio Lower Upper

266 100

268 101.8 49.6 74.4#

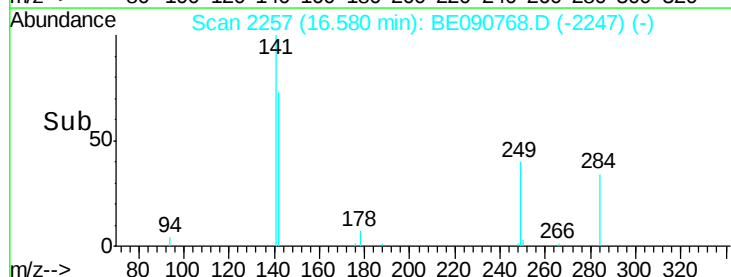
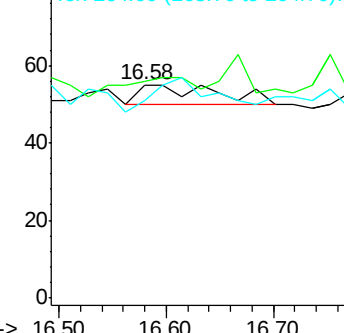
264 92.7 53.9 80.9#

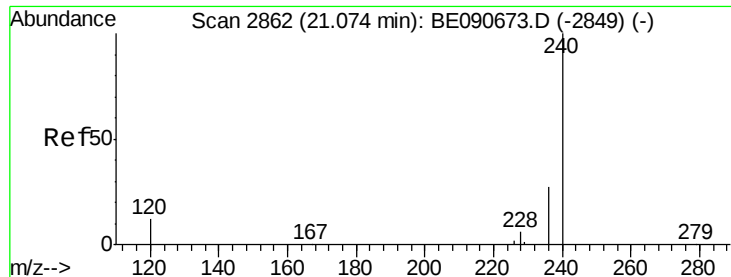


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#25

Chrvsene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.00 min

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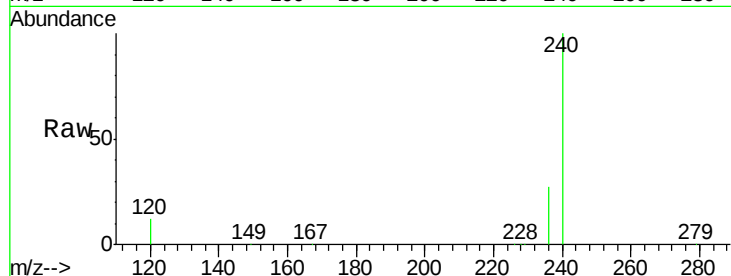
Tot Ion:240 Resp: 287373

Ion Ratio Lower Upper

240 100

120 11.7 10.1 15.1

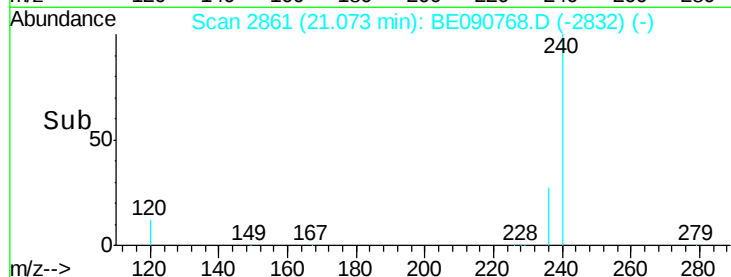
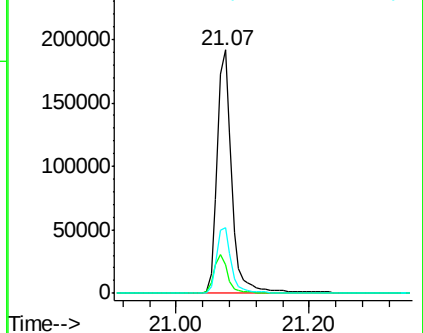
236 27.1 21.9 32.9



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: 6.38 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

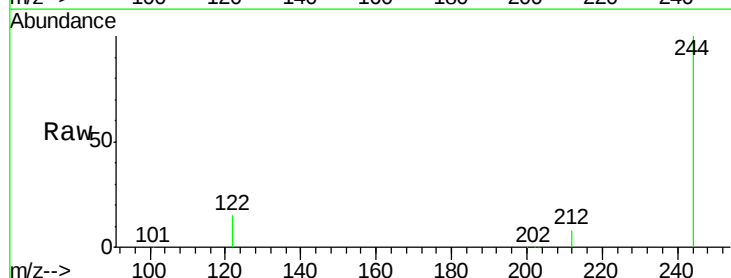
Tgt Ion:244 Resp: 203007

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

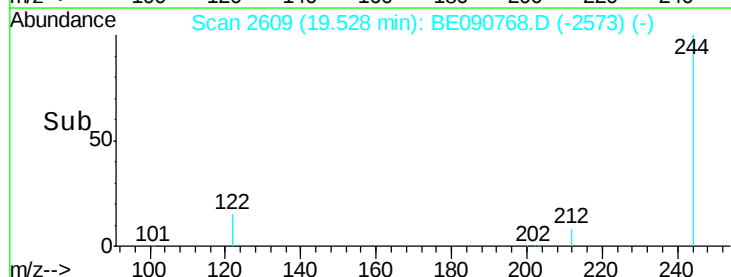
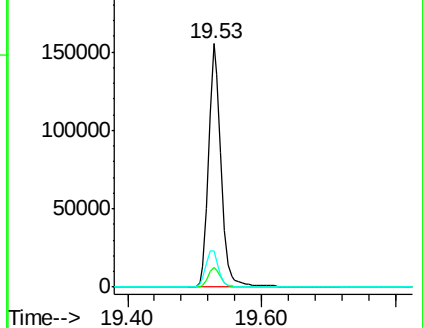
122 15.1 12.9 19.3



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: 21.11 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

Instrument :

BNA_E

ClientSampleId :

090815-D534-F-D-M

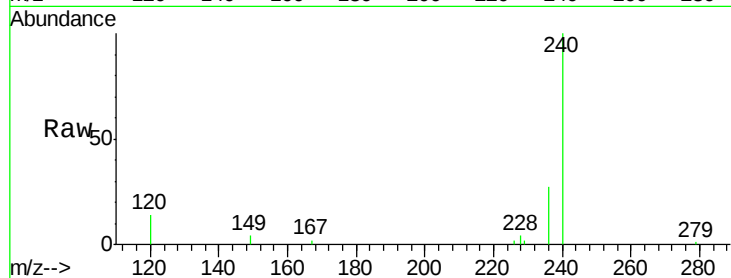
Tot Ion:228 Resp: 317

Ion Ratio Lower Upper

228 100

226 46.5 24.2 36.4#

229 44.8 15.3 22.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

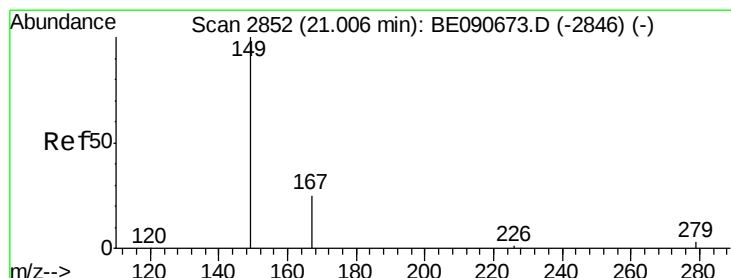
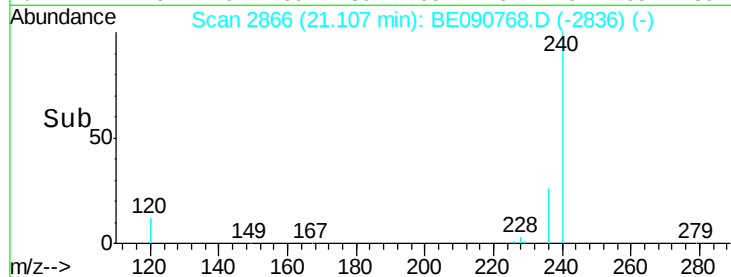
Ion 229.00 (228.70 to 229.70): E

Time-->

21.11

21.15

21.20



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090768.D

Acq: 10 Sep 2015 19:18

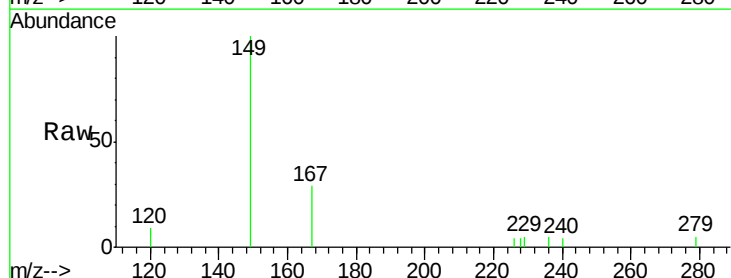
Tgt Ion:149 Resp: 1786

Ion Ratio Lower Upper

149 100

167 26.9 20.1 30.1

279 3.7 2.3 3.5#



Abundance Ion 149.00 (148.70 to 149.70): E

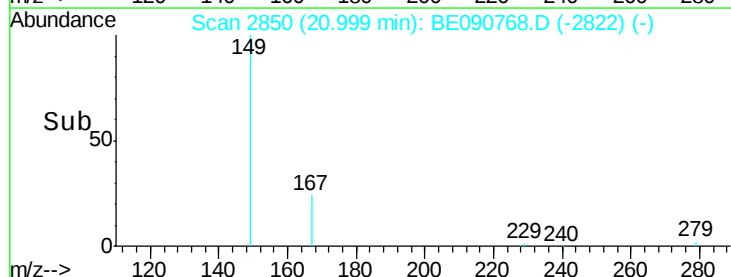
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->

21.00

21.05

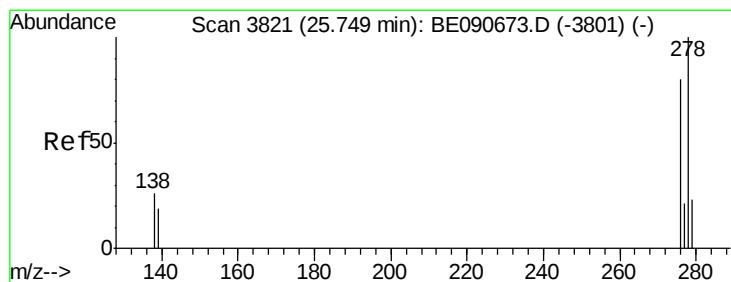
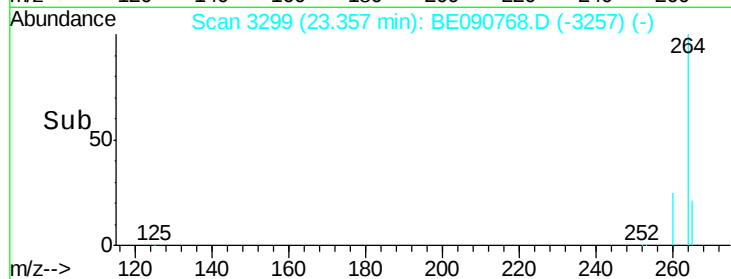
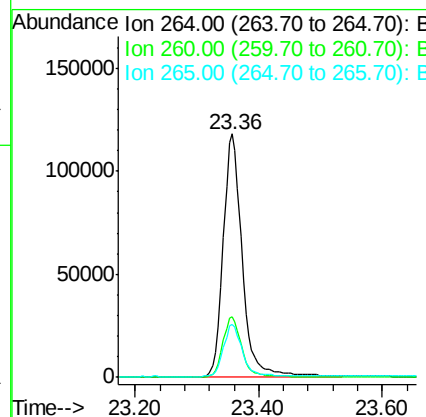




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3299
Delta R.T. -0.01 min
Lab File: BE090768.D
Acq: 10 Sep 2015 19:18

Instrument :
BNA_E
ClientSampleId :
090815-D534-F-D-M

Tot Ion:264 Resp: 255360
Ion Ratio Lower Upper
264 100
260 24.9 19.7 29.5
265 21.9 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.75 min Scan# 3822
Delta R.T. 0.01 min
Lab File: BE090768.D
Acq: 10 Sep 2015 19:18

Tgt Ion:278 Resp: 47
Ion Ratio Lower Upper
278 100
139 140.7 15.4 23.0#
279 114.8 18.8 28.2#

