

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090819.D
 Acq On : 15 Sep 2015 3:32
 Operator : UM/IZ
 Sample : G3658-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-D-S

Quant Time: Sep 15 05:51:29 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	34326	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	140031	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	69792	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	171561	5.00	ng	0.00
25) Chrysene-d12	21.07	240	233646	5.00	ng	0.00
32) Perylene-d12	23.35	264	222116	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	18785	2.82	ng	0.00
5) Phenol-d6	6.75	99	13816	1.45	ng	0.00
7) Nitrobenzene-d5	8.72	82	30490	3.29	ng	0.00
13) 2,4,6-Tribromophenol	15.68	330	12844	6.30	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	69189	3.58	ng	0.00
27) Terphenyl-d14	19.53	244	136407	5.28	ng	-0.01

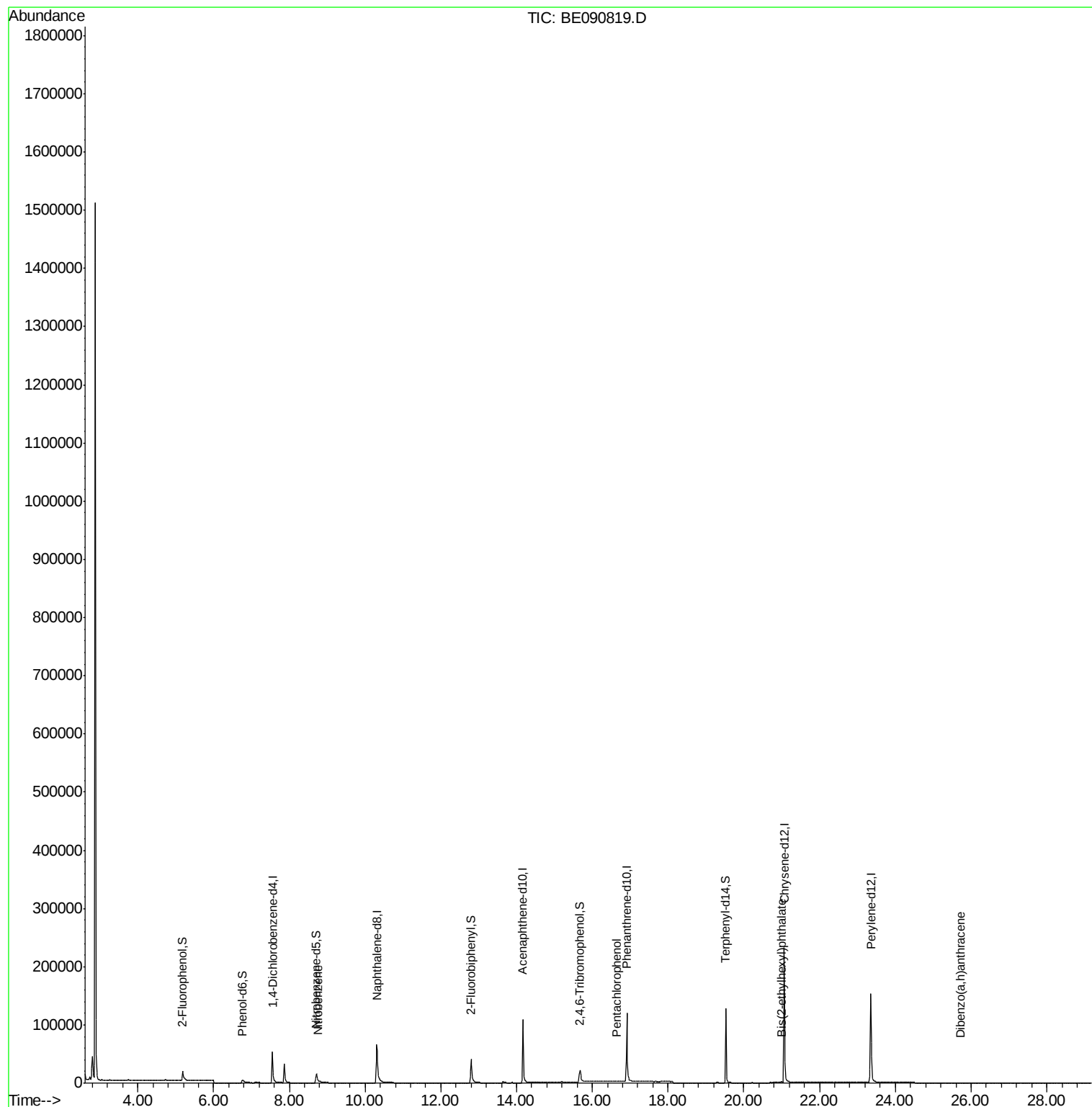
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	57	Below Cal	#	16
3) n-Nitrosodimethylamine	3.42	42	22	Below Cal	#	1
8) Nitrobenzene	8.76	77	10	0.11 ng	#	80
20) Hexachlorobenzene	16.21	284	29	Below Cal	#	1
21) Pentachlorophenol	16.65	266	30	0.47 ng	#	56
29) Chrysene	21.07	228	890	Below Cal	#	78
30) Bis(2-ethylhexyl)phthalate	21.00	149	2291	0.23 ng	#	96
36) Dibenzo(a,h)anthracene	25.73	278	7	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: BE090819.D

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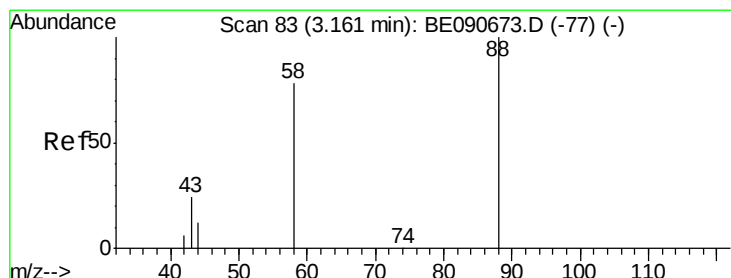
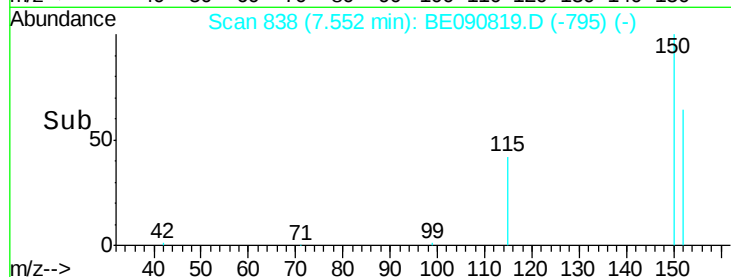
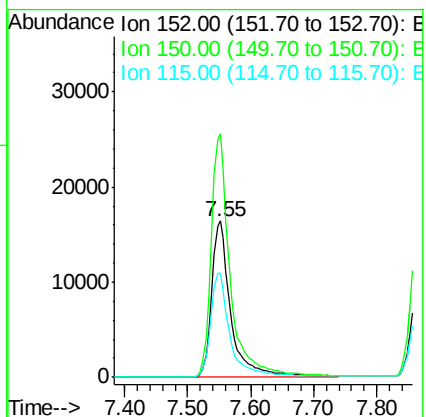
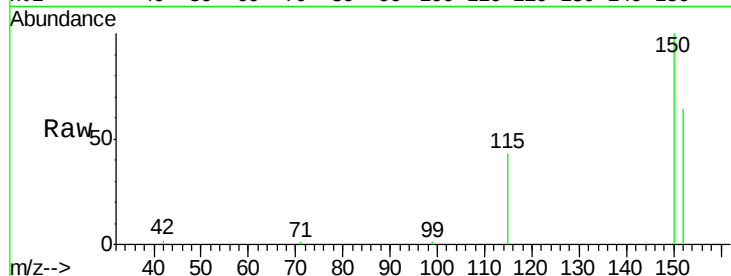
Tot Ion:152 Resp: 34326

Ion Ratio Lower Upper

152 100

150 156.0 122.2 183.4

115 66.4 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.19 min Scan# 87

Delta R.T. 0.03 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

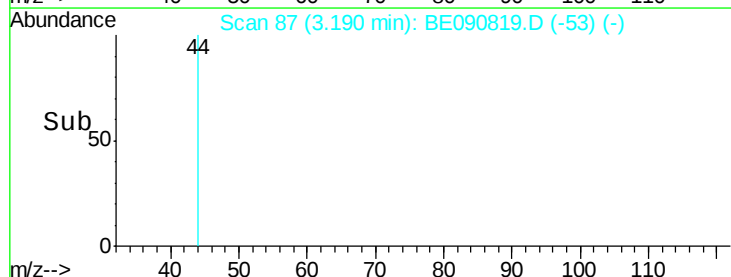
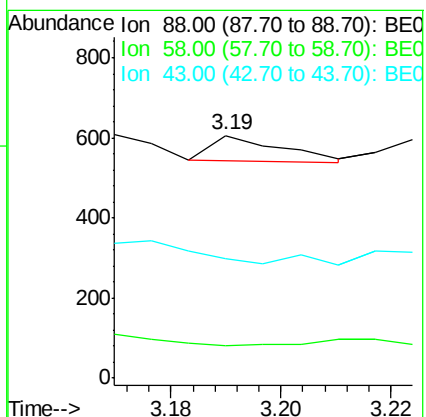
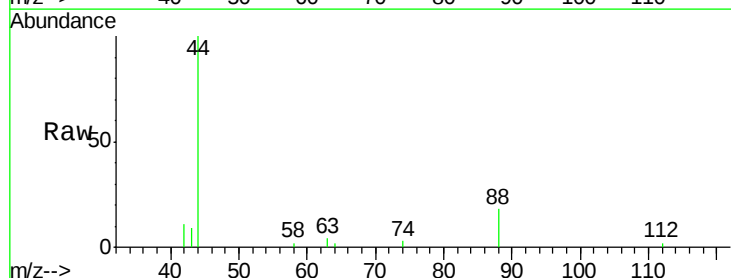
Tgt Ion: 88 Resp: 57

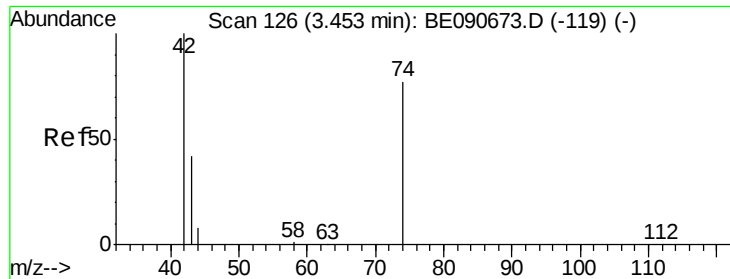
Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

43 0.0 26.9 40.3#



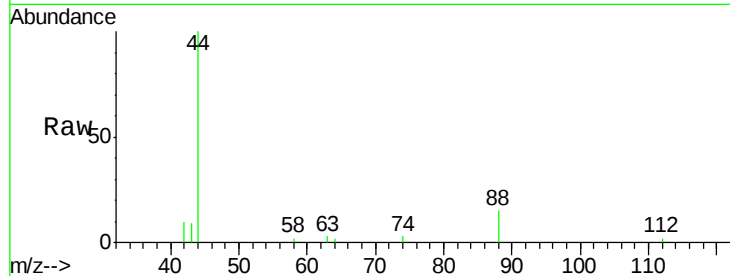


#3

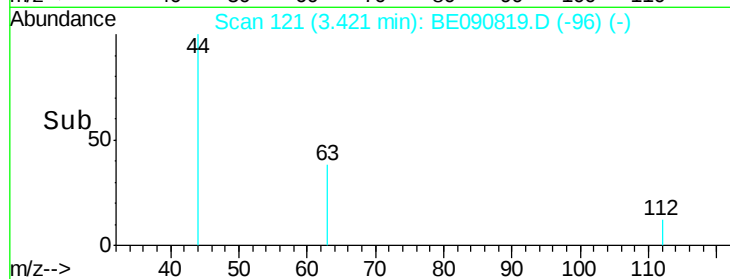
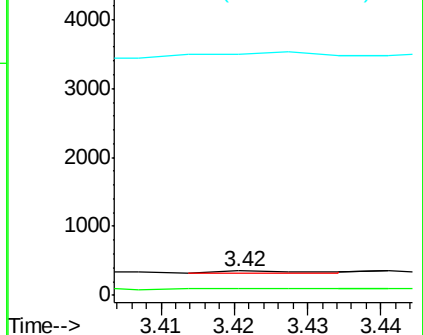
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.42 min Scan# 121
Delta R.T. -0.03 min
Lab File: BE090819.D
Acq: 15 Sep 2015 3:32

Instrument :
BNA_E
ClientSampleId :
091315-D534-F-D-S

Tot Ion: 42 Resp: 22
Ion Ratio Lower Upper
42 100
74 0.0 83.7 125.5#
44 981.8 10.0 15.0#



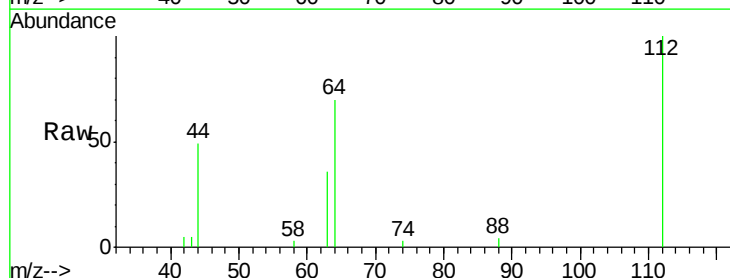
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



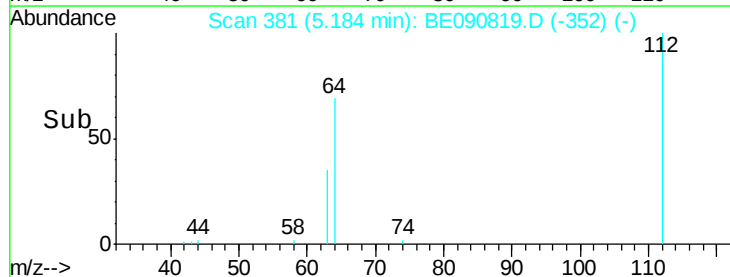
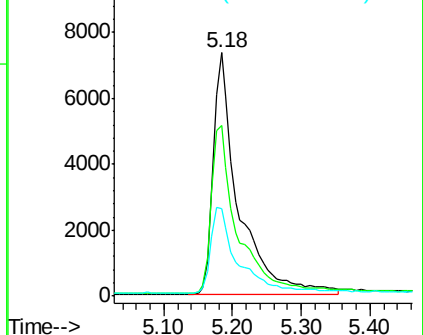
#4

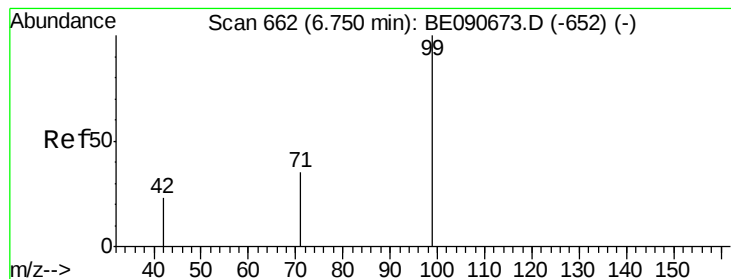
2-Fluorophenol
Concen: 2.82 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.00 min
Lab File: BE090819.D
Acq: 15 Sep 2015 3:32

Tgt Ion: 112 Resp: 18785
Ion Ratio Lower Upper
112 100
64 72.8 57.3 85.9
63 38.0 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: 1.45 ng

RT: 6.75 min Scan# 663

Delta R.T. 0.00 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-S

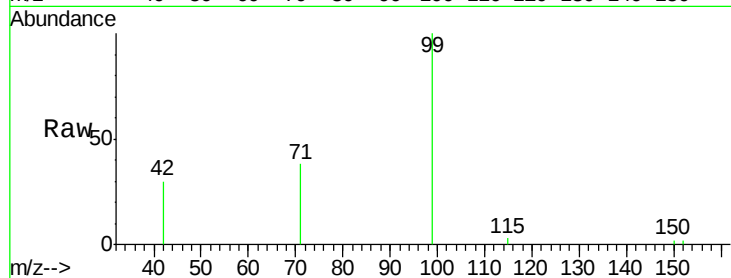
Tot Ion: 99 Resp: 13816

Ion Ratio Lower Upper

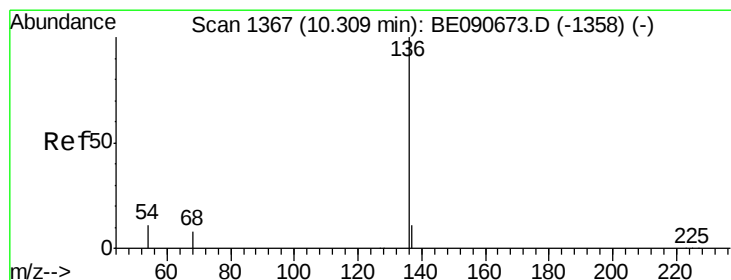
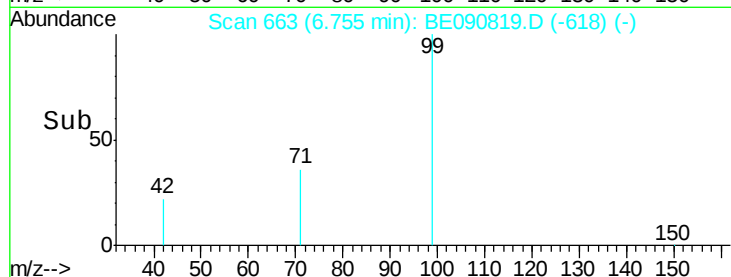
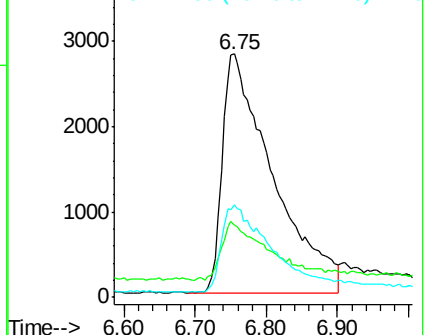
99 100

42 21.6 16.8 25.2

71 36.7 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: BE090819.D

Acq: 15 Sep 2015 3:32

Tgt Ion: 136 Resp: 140031

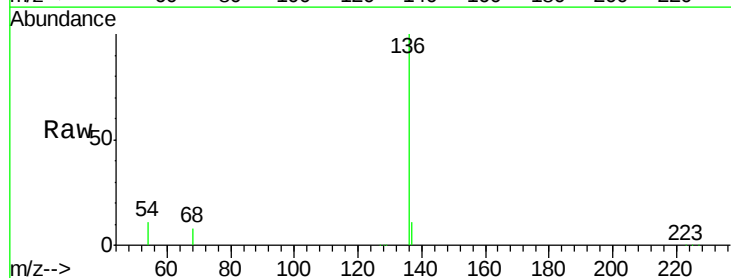
Ion Ratio Lower Upper

136 100

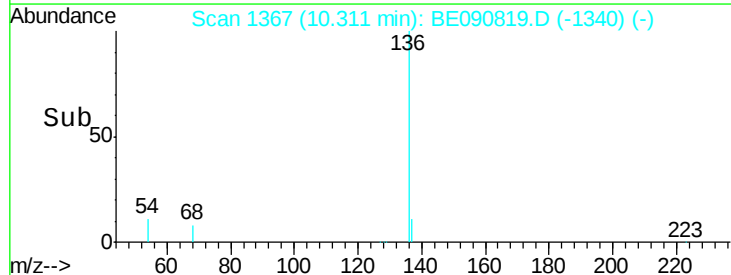
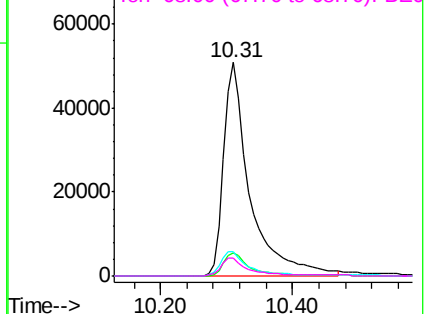
137 10.8 8.7 13.1

54 11.3 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: 3.29 ng

RT: 8.72 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

Instrument :

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ClientSampleId :

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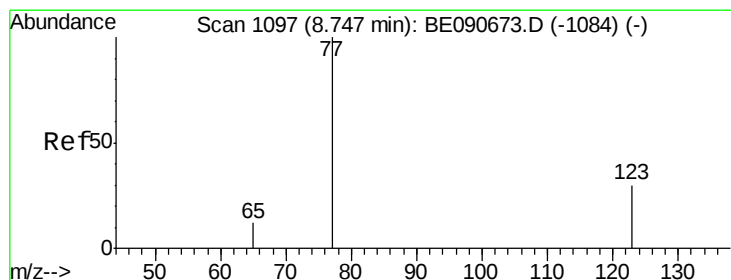
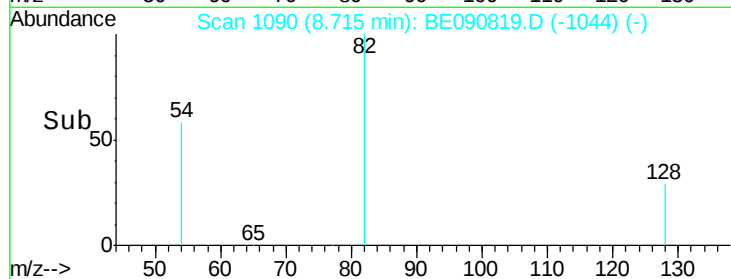
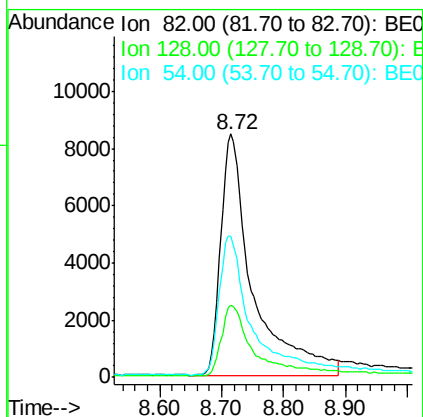
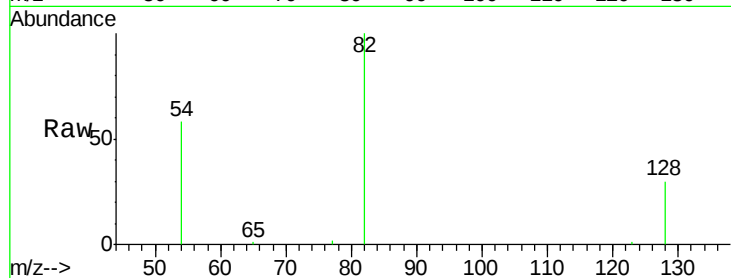
Tot Ion: 82 Resp: 30490

Ion Ratio Lower Upper

82 100

128 29.6 25.0 37.4

54 58.0 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.76 min Scan# 1100

Delta R.T. 0.01 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

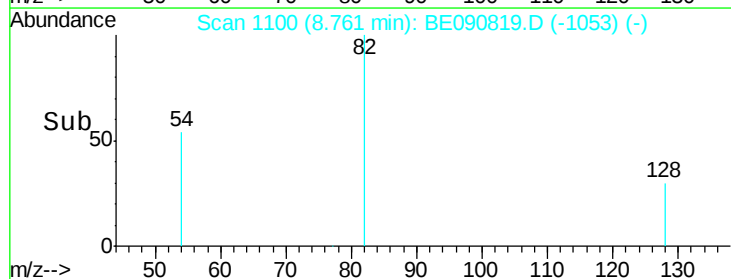
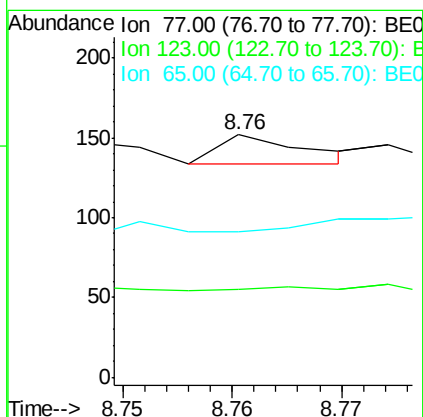
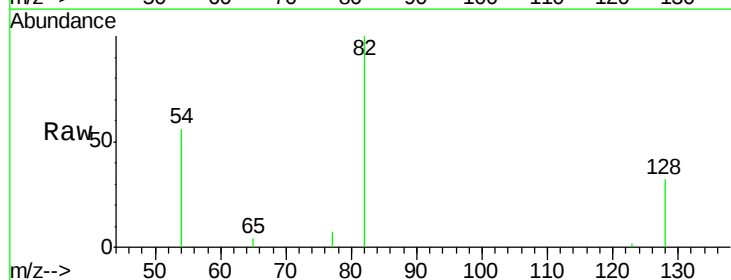
Tgt Ion: 77 Resp: 10

Ion Ratio Lower Upper

77 100

123 40.0 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: BE090819.D

Acq: 15 Sep 2015 3:32

Instrument :

BNA_E

ClientSampleId :

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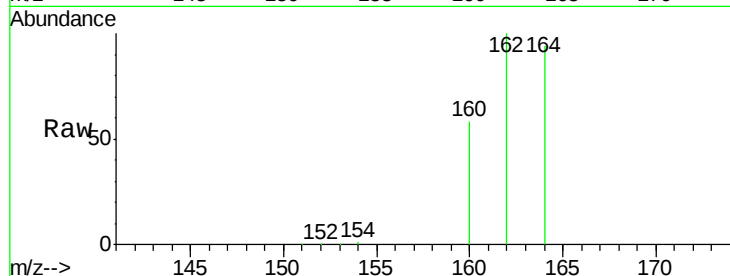
Tot Ion:164 Resp: 69792

Ion Ratio Lower Upper

164 100

162 106.8 86.8 130.2

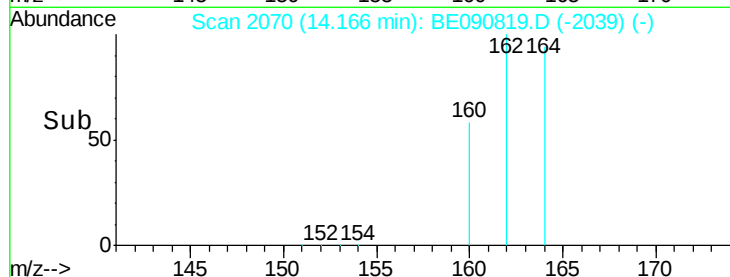
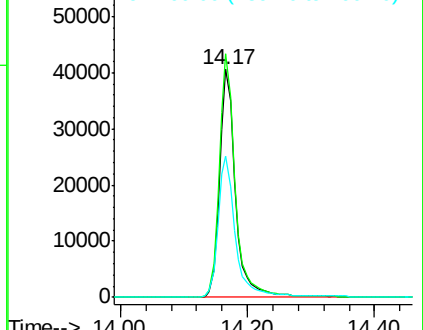
160 61.9 53.9 80.9



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: 6.30 ng

RT: 15.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

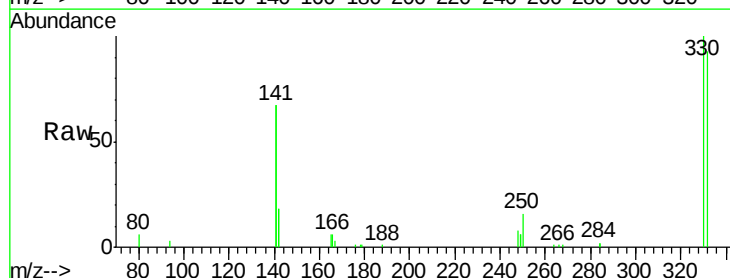
Tgt Ion:330 Resp: 12844

Ion Ratio Lower Upper

330 100

332 96.1 74.9 112.3

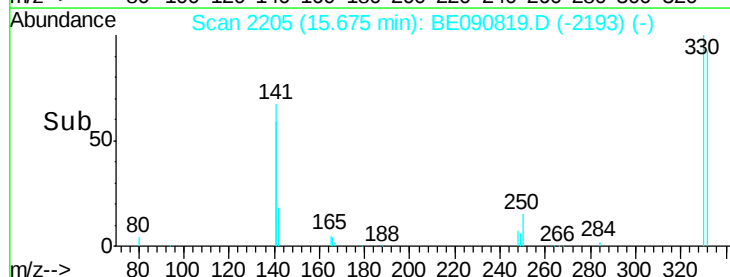
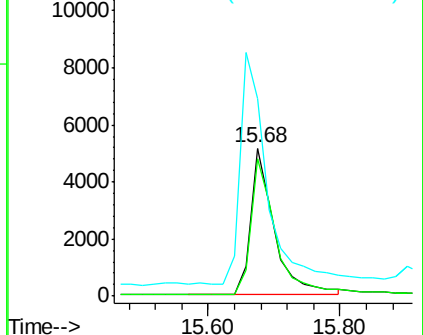
141 180.4 145.2 217.8

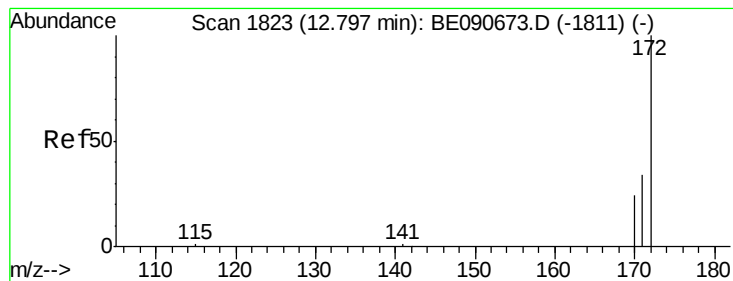


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.58 ng

RT: 12.80 min Scan# 1823

Delta R.T. 0.00 min

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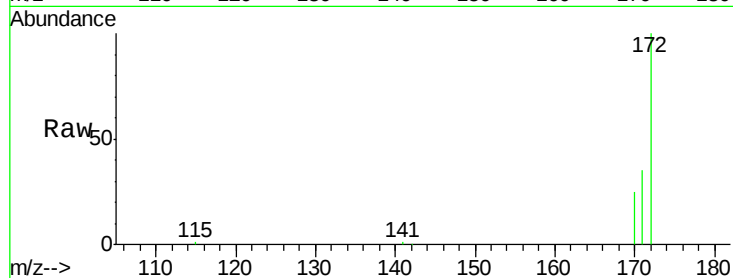
Tot Ion:172 Resp: 69189

Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.8

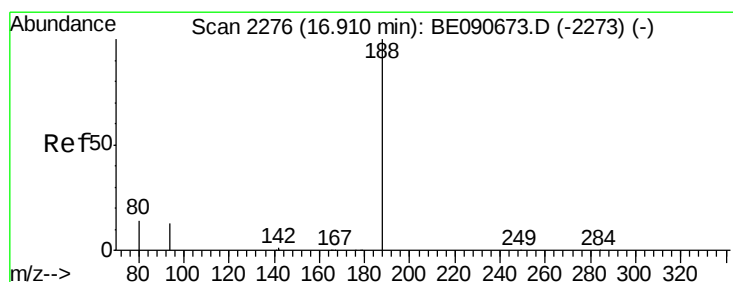
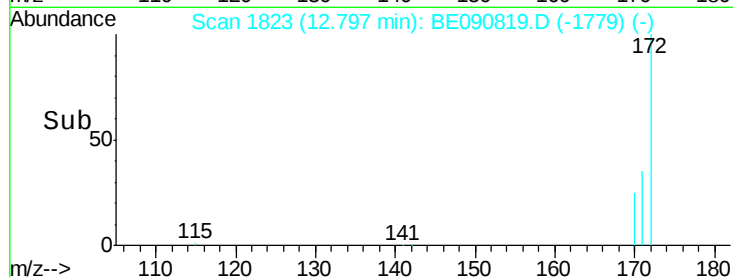
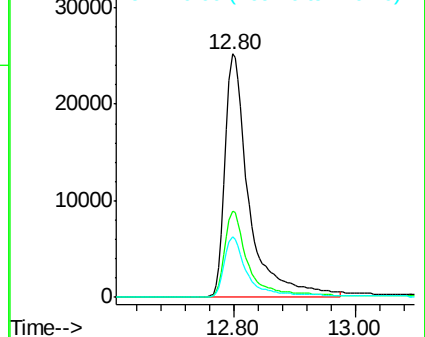
170 24.7 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

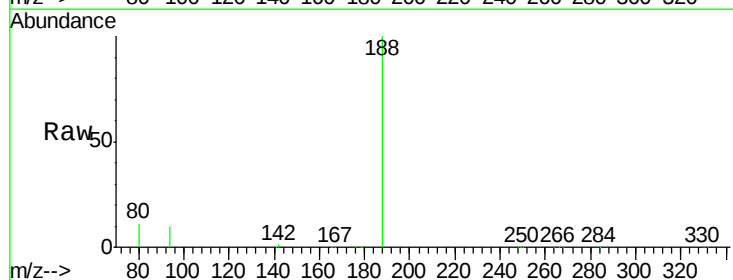
Tgt Ion:188 Resp: 171561

Ion Ratio Lower Upper

188 100

94 9.8 10.3 15.5#

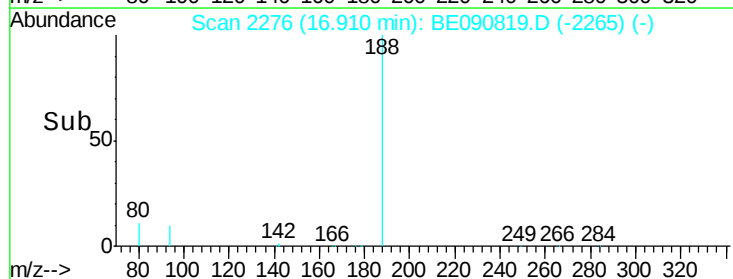
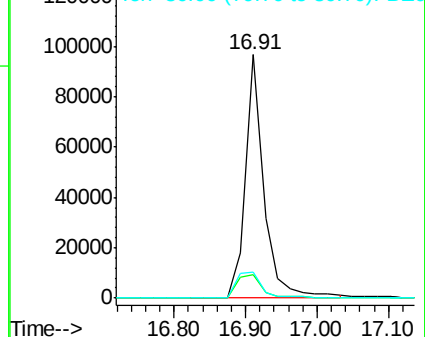
80 10.7 11.0 16.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.21 min Scan# 2236

Delta R.T. -0.02 min

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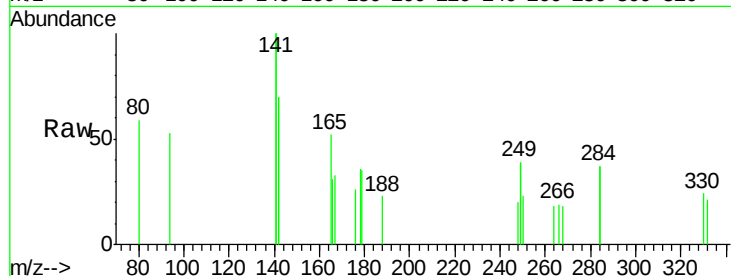
Tot Ion:284 Resp: 29

Ion Ratio Lower Upper

284 100

142 375.9 35.0 52.4#

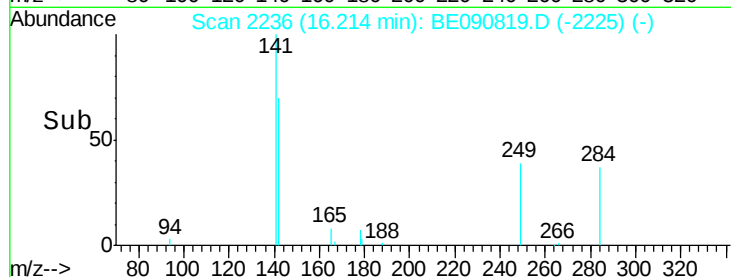
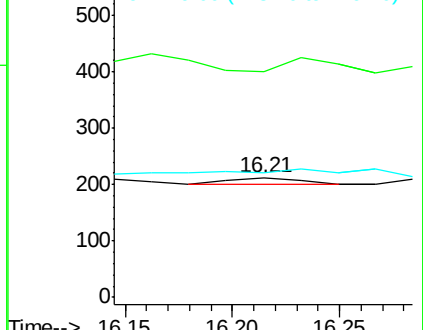
249 217.2 25.5 38.3#



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: 16.65 min Scan# 2261

Delta R.T. 0.05 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

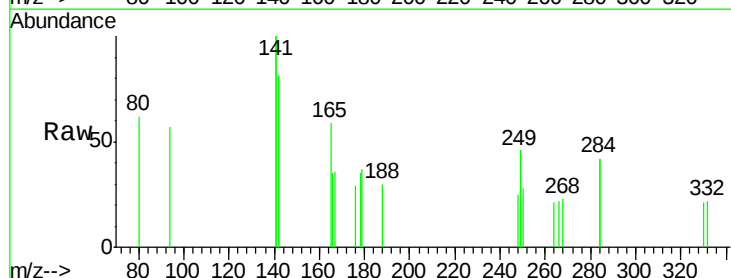
Tgt Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

268 101.8 49.6 74.4#

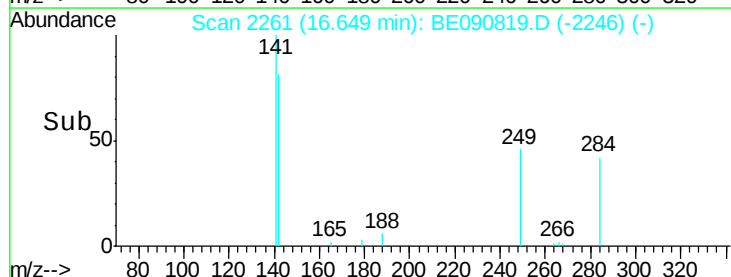
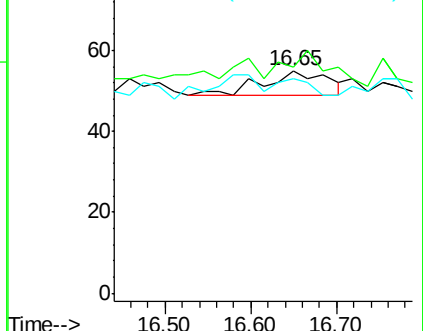
264 96.4 53.9 80.9#



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# 2861

Delta R.T. -0.01 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-S

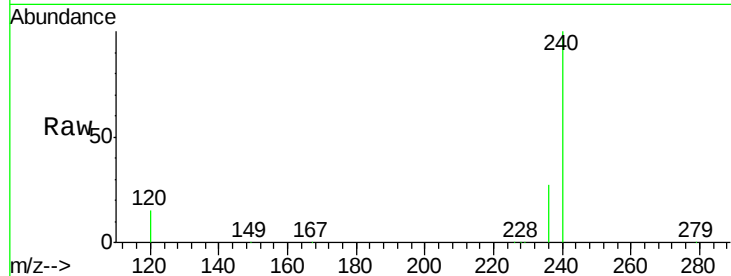
Tot Ion:240 Resp: 233646

Ion Ratio Lower Upper

240 100

120 14.9 10.1 15.1

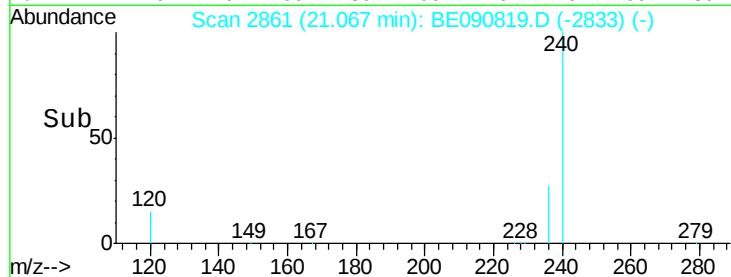
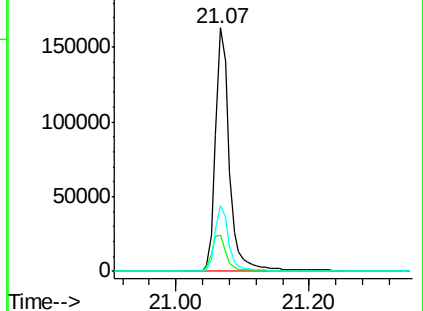
236 27.0 21.9 32.9



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: 5.28 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

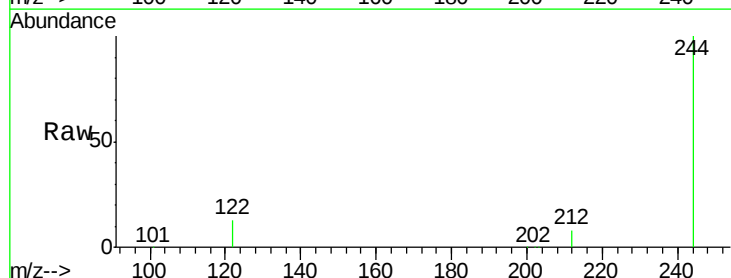
Tgt Ion:244 Resp: 136407

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

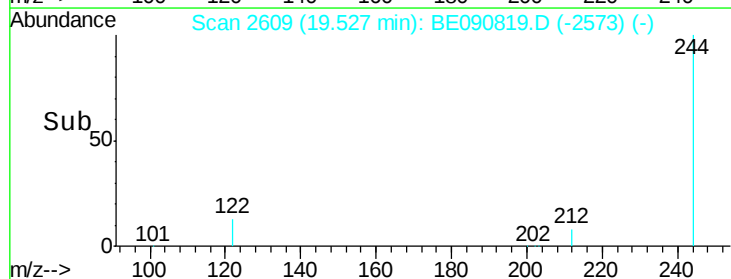
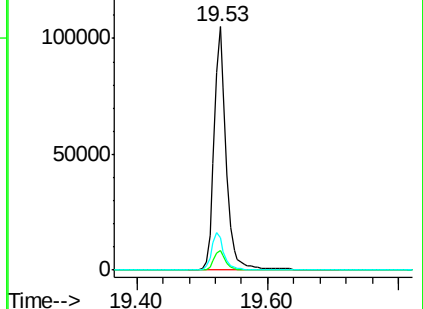
122 13.3 12.9 19.3

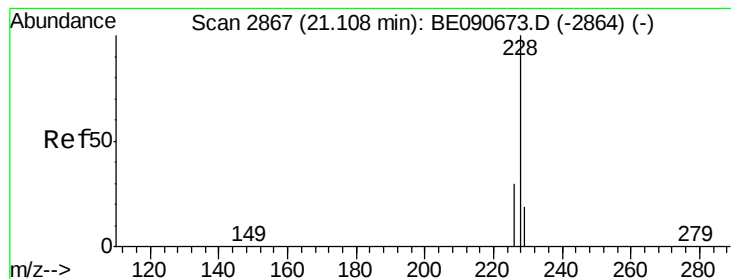


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2861

Delta R.T. -0.04 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-S

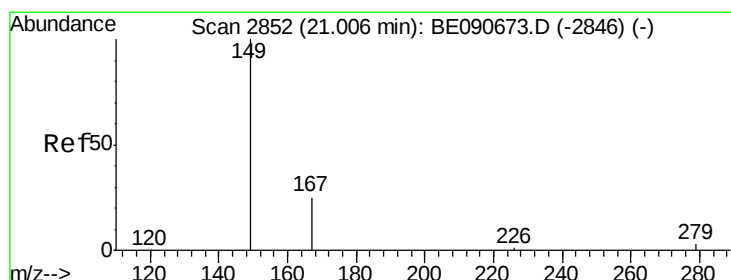
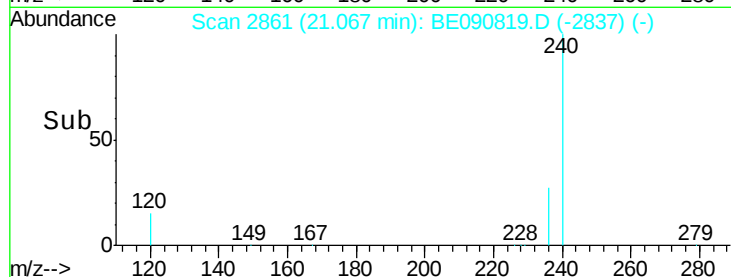
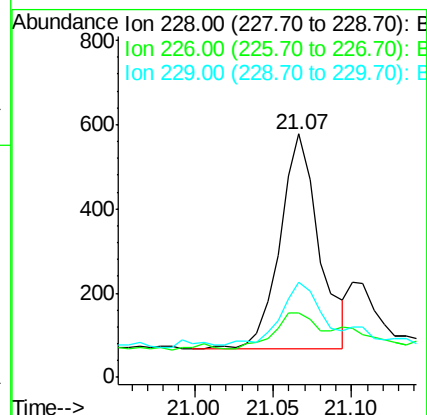
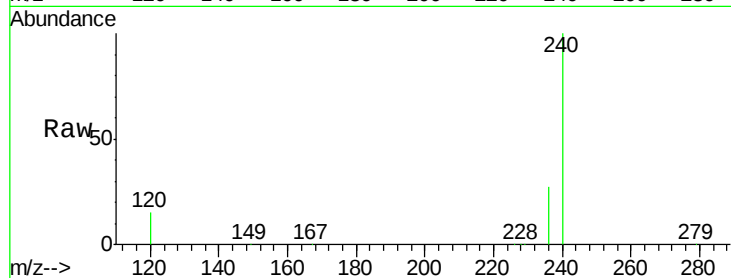
Tot Ion:228 Resp: 890

Ion Ratio Lower Upper

228 100

226 26.3 24.2 36.4

229 39.3 15.3 22.9#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090819.D

Acq: 15 Sep 2015 3:32

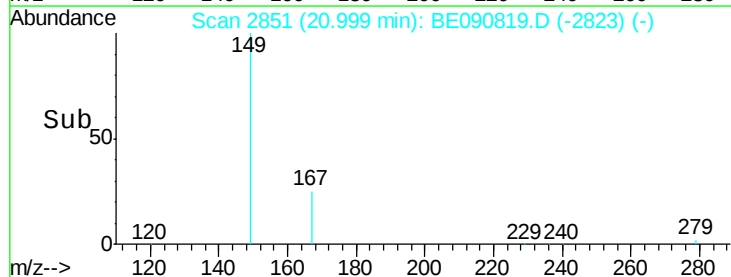
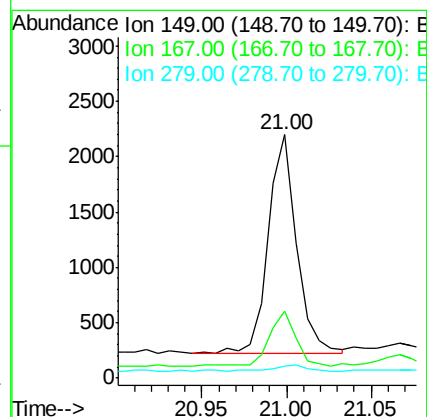
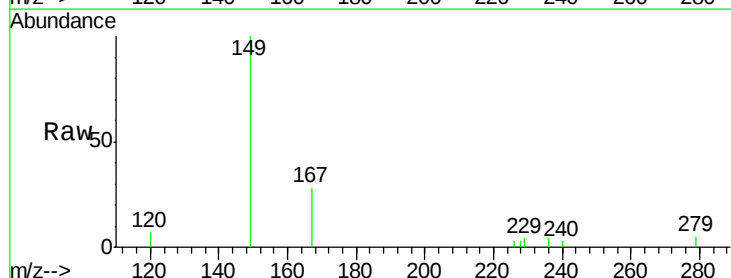
Tgt Ion:149 Resp: 2291

Ion Ratio Lower Upper

149 100

167 23.0 20.1 30.1

279 2.7 2.3 3.5

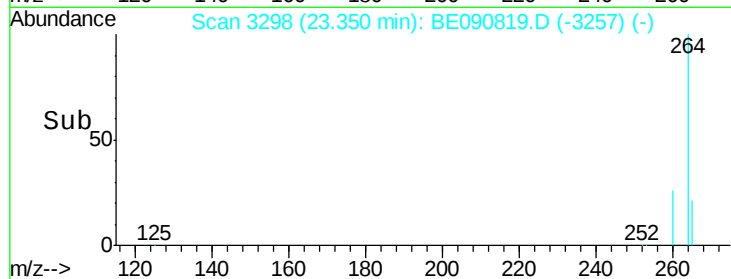
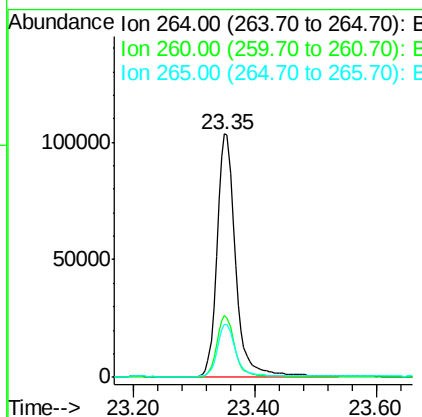
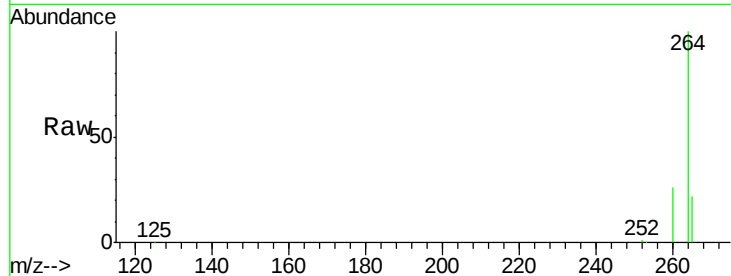




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3298
Delta R.T. -0.01 min
Lab File: BE090819.D
Acq: 15 Sep 2015 3:32

Instrument :
BNA_E
ClientSampleId :
091315-D534-F-D-S

Tot Ion:264 Resp: 222116
Ion Ratio Lower Upper
264 100
260 25.6 19.7 29.5
265 21.6 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.73 min Scan# 3816
Delta R.T. -0.02 min
Lab File: BE090819.D
Acq: 15 Sep 2015 3:32

Tgt Ion:278 Resp: 7
Ion Ratio Lower Upper
278 100
139 153.8 15.4 23.0#
279 127.7 18.8 28.2#

