

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091115\
 Data File : BE090794.D
 Acq On : 11 Sep 2015 20:55
 Operator : UM/IZ
 Sample : G3635-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 11 23:15:05 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	49360	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	222892	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	115966	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	278697	5.00	ng	0.00
25) Chrysene-d12	21.07	240	351645	5.00	ng	0.00
32) Perylene-d12	23.35	264	329530	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	28690	2.99	ng	0.00
5) Phenol-d6	6.75	99	25854	1.88	ng	0.00
7) Nitrobenzene-d5	8.71	82	43083	2.92	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	19208	5.69	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	97139	3.02	ng	0.00
27) Terphenyl-d14	19.53	244	164222	4.22	ng	-0.01

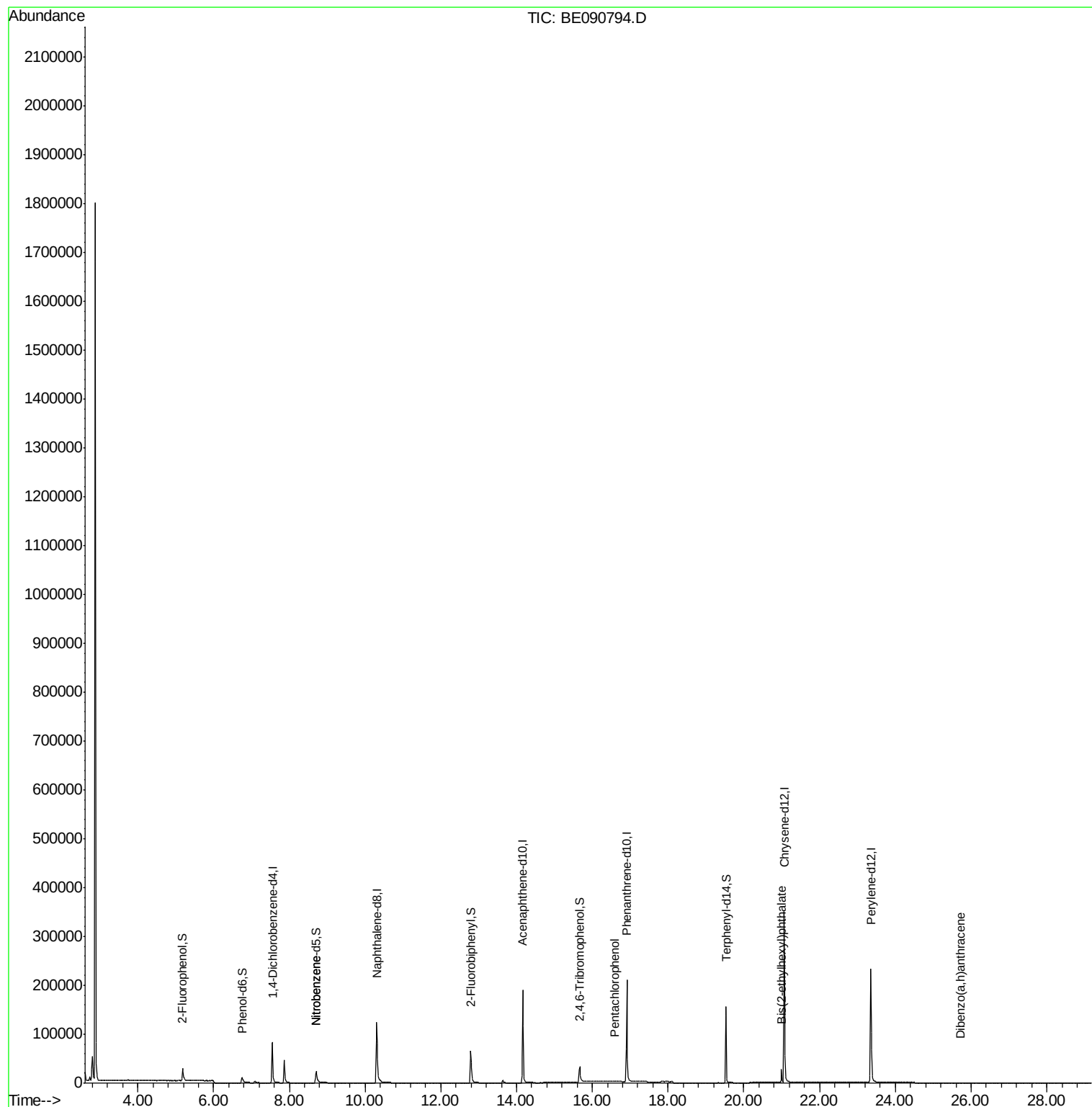
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	110	Below Cal	#	23
3) n-Nitrosodimethylamine	3.45	42	38	Below Cal	#	1
8) Nitrobenzene	8.71	77	91	0.11 ng	#	64
20) Hexachlorobenzene	16.25	284	31	Below Cal	#	1
21) Pentachlorophenol	16.60	266	31	0.47 ng	#	61
28) Benzo(a)anthracene	21.07	228	1108	Below Cal	#	76
29) Chrysene	21.07	228	1108	Below Cal	#	73
30) Bis(2-ethylhexyl)phthalate	21.00	149	23768	1.16 ng		99
36) Dibenzo(a,h)anthracene	25.72	278	8	0.14 ng	#	1

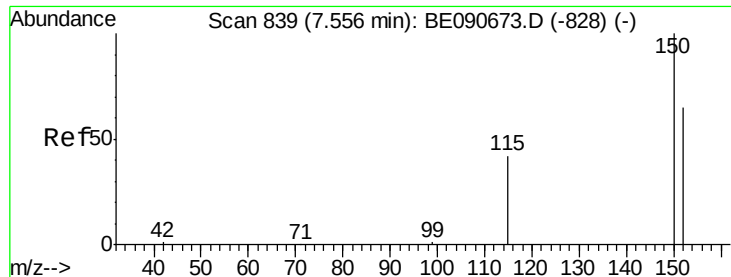
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-B

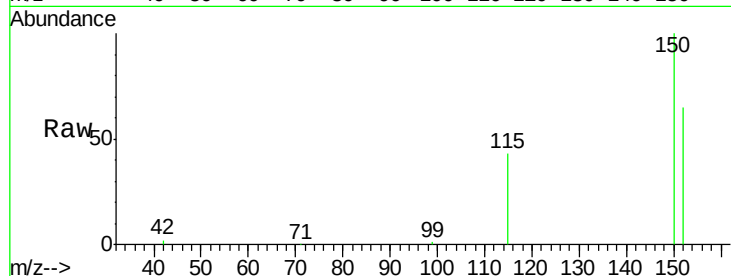
Tot Ion:152 Resp: 49360

Ion Ratio Lower Upper

152 100

150 154.8 122.2 183.4

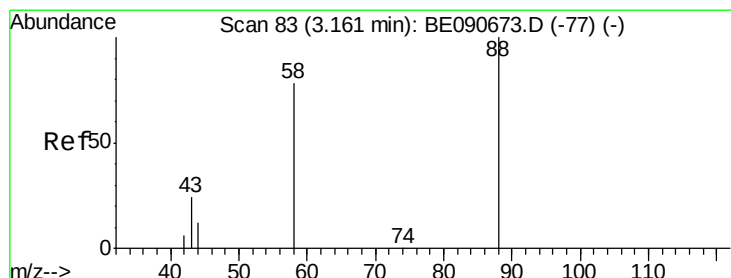
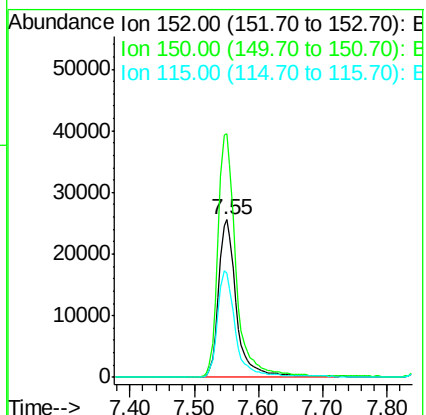
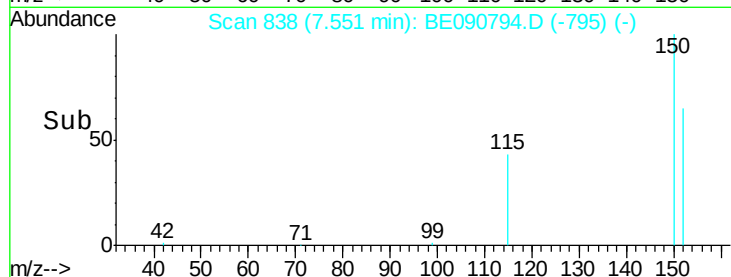
115 66.2 51.0 76.4



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: 3.22 min Scan# 91

Delta R.T. 0.06 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

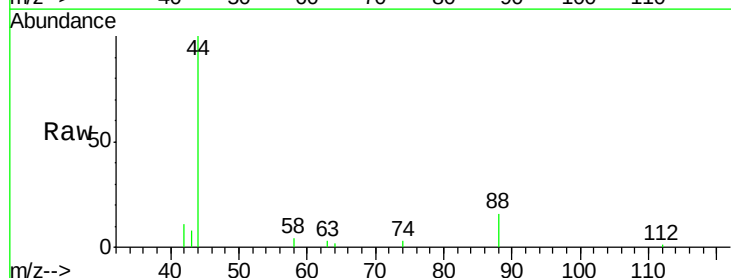
Tgt Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

58 8.2 68.4 102.6#

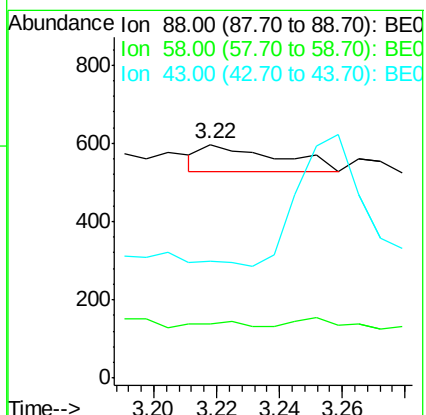
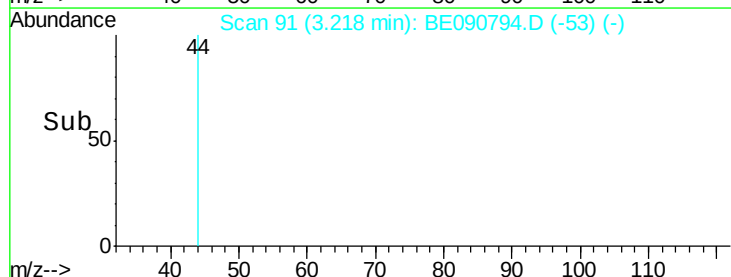
43 0.0 26.9 40.3#

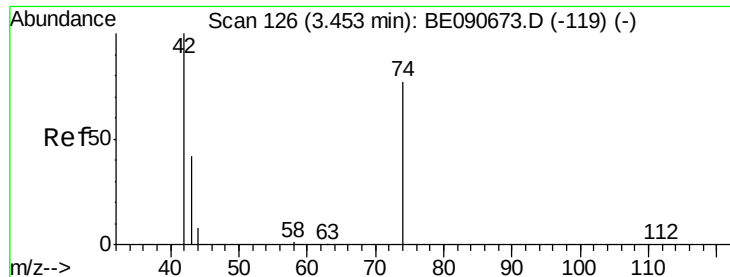


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



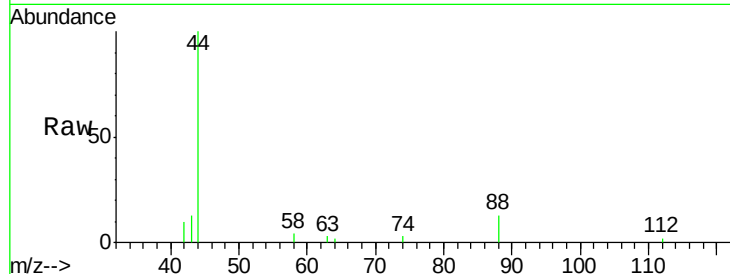


#3

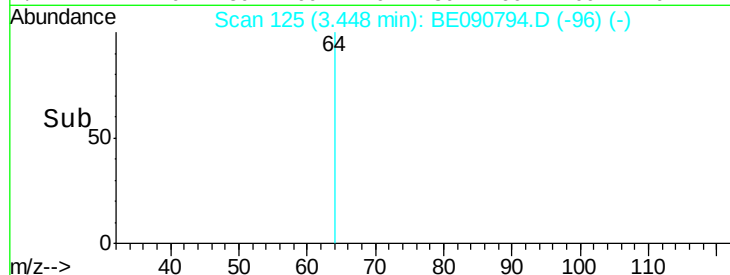
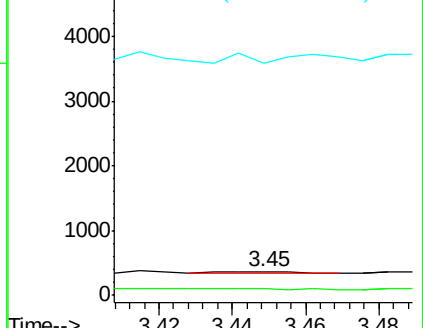
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.45 min Scan# 125
Delta R.T. -0.00 min
Lab File: BE090794.D
Acq: 11 Sep 2015 20:55

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

Tot Ion: 42 Resp: 38
Ion Ratio Lower Upper
42 100
74 0.0 83.7 125.5#
44 181.6 10.0 15.0#



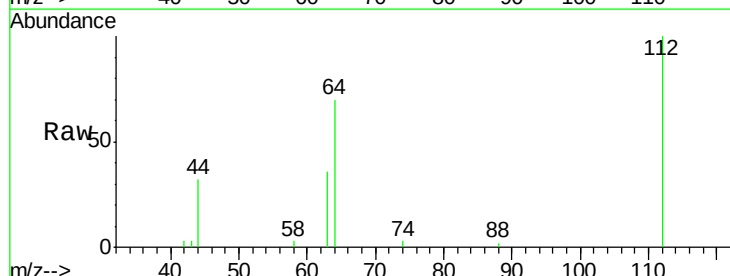
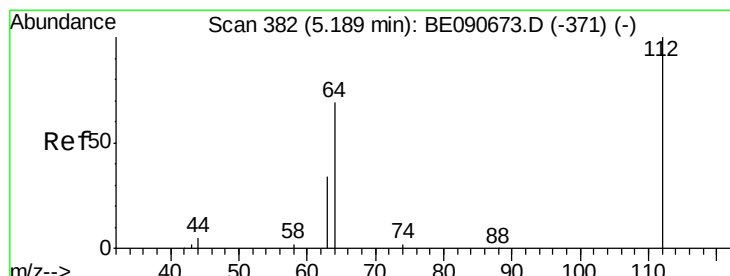
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



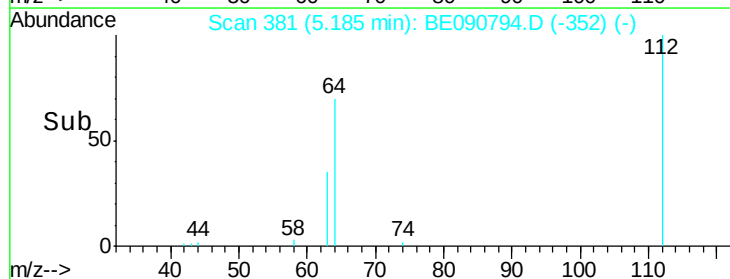
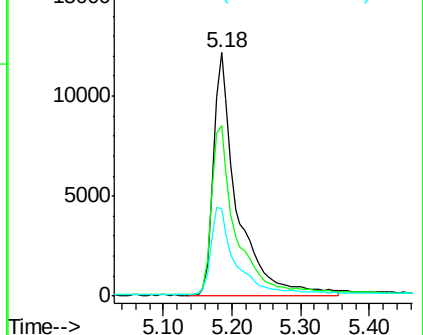
#4

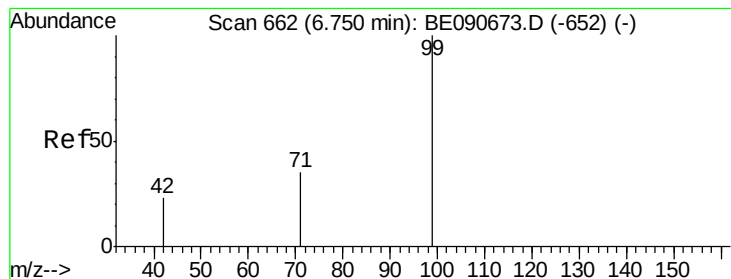
2-Fluorophenol
Concen: 2.99 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.00 min
Lab File: BE090794.D
Acq: 11 Sep 2015 20:55

Tgt Ion: 112 Resp: 28690
Ion Ratio Lower Upper
112 100
64 72.2 57.3 85.9
63 37.1 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: 1.88 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-B

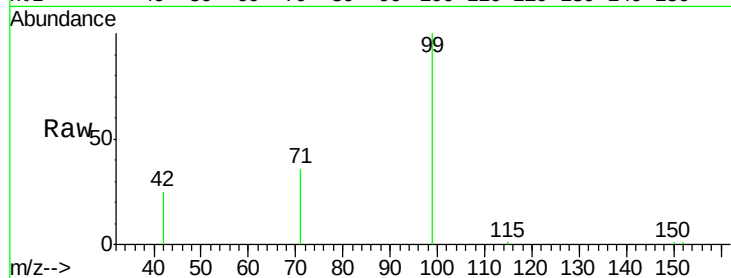
Tot Ion: 99 Resp: 25854

Ion Ratio Lower Upper

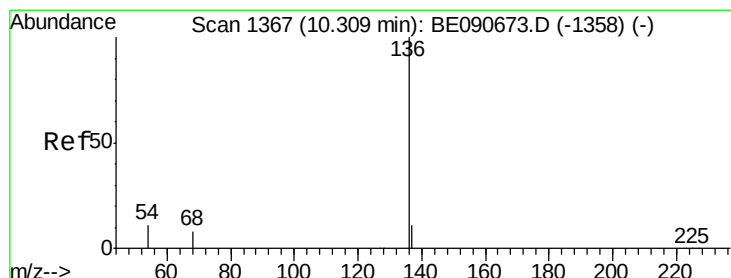
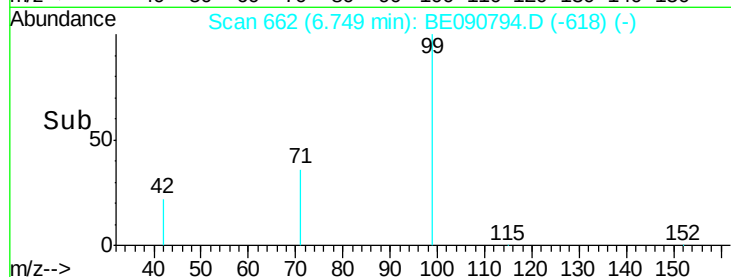
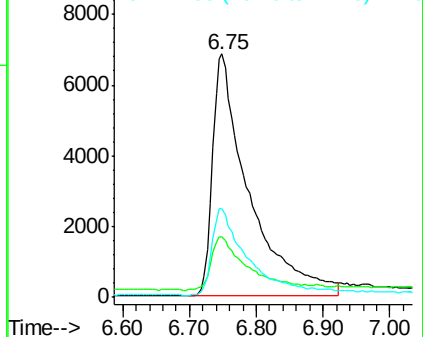
99 100

42 22.2 16.8 25.2

71 34.3 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: 10.30 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

Tgt Ion: 136 Resp: 222892

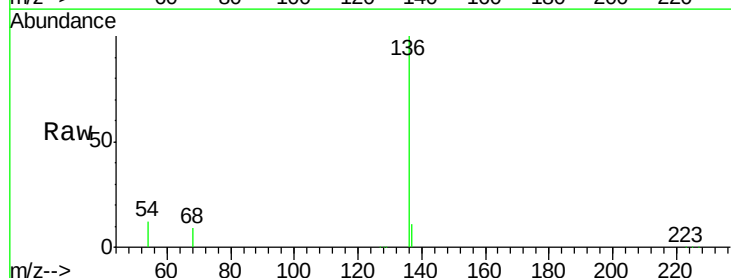
Ion Ratio Lower Upper

136 100

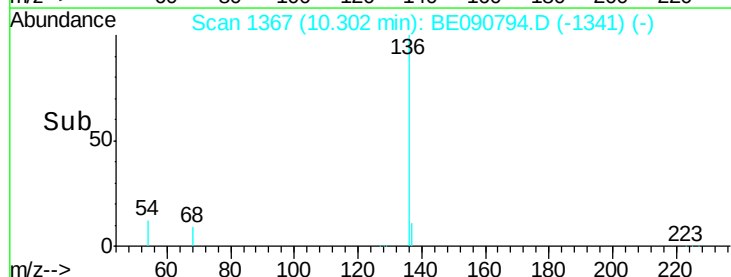
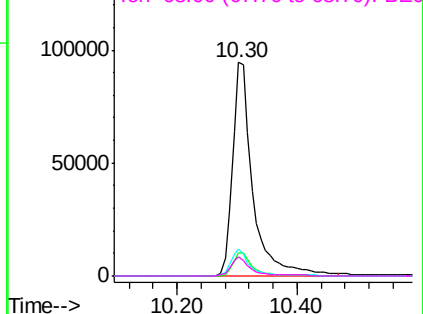
137 10.7 8.7 13.1

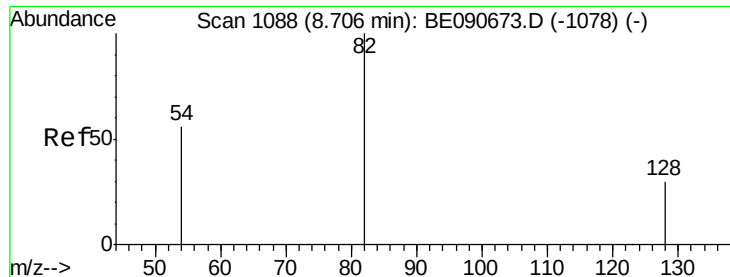
54 12.4 9.0 13.6

68 8.8 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: 2.92 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-B

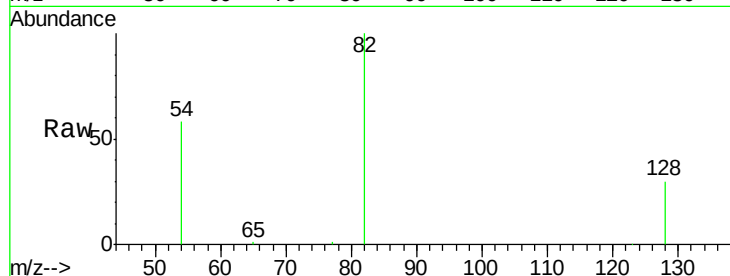
Tot Ion: 82 Resp: 43083

Ion Ratio Lower Upper

82 100

128 30.2 25.0 37.4

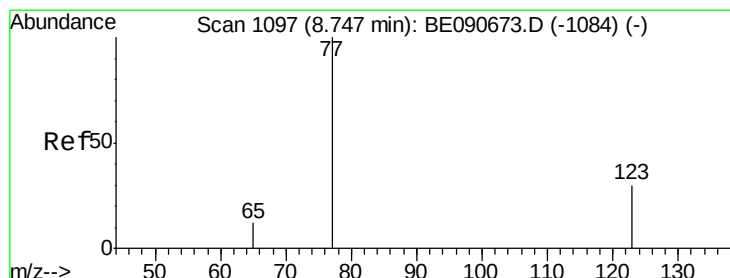
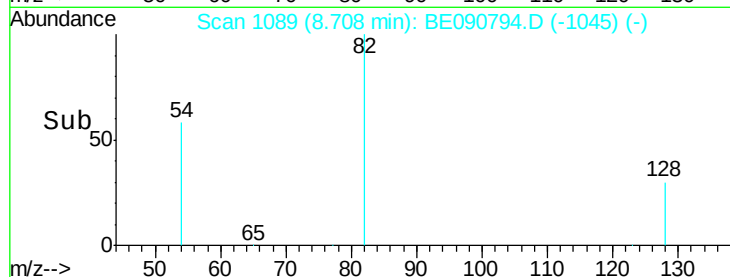
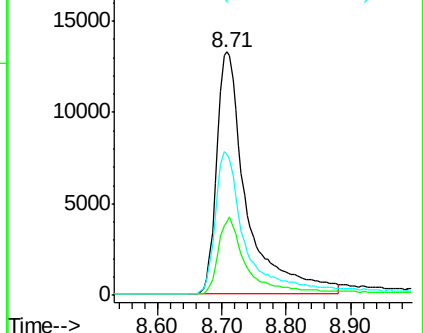
54 58.2 46.3 69.5



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



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.71 min Scan# 1090

Delta R.T. -0.03 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

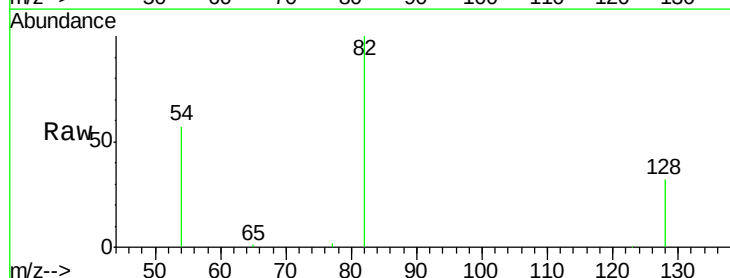
Tgt Ion: 77 Resp: 91

Ion Ratio Lower Upper

77 100

123 11.0 25.1 37.7#

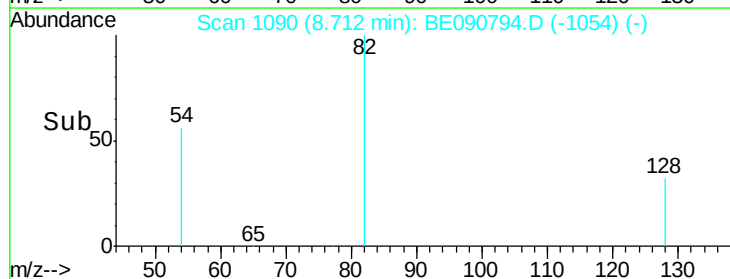
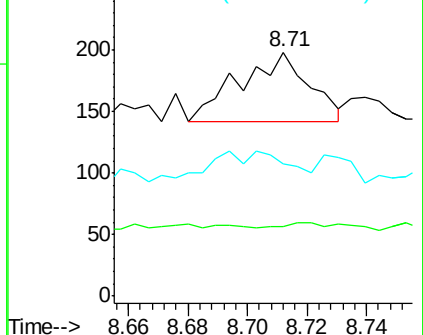
65 25.3 9.9 14.9#

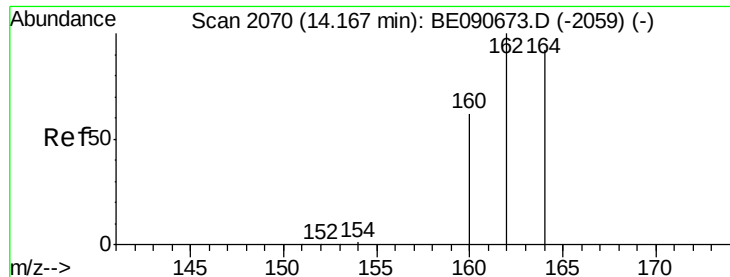


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

Instrument :

BNA_E

ClientSampleId :

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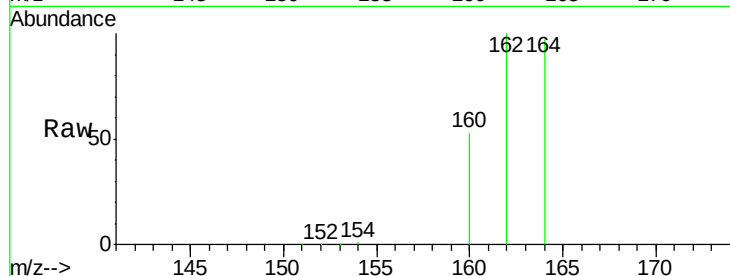
Tot Ion:164 Resp: 115966

Ion Ratio Lower Upper

164 100

162 102.9 86.8 130.2

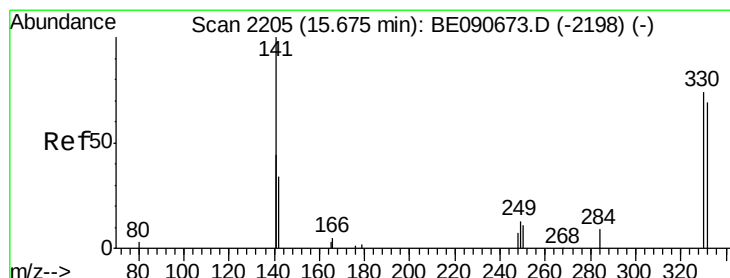
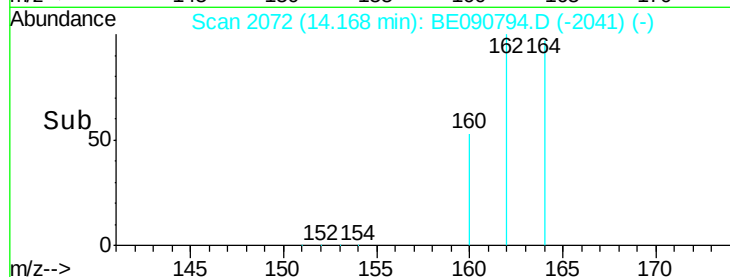
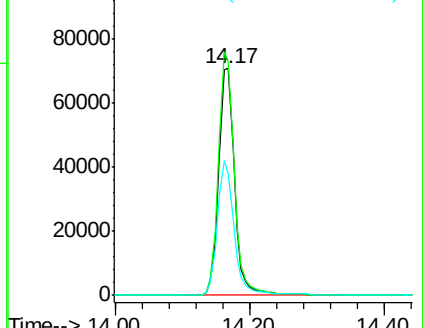
160 54.2 53.9 80.9



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: 5.69 ng

RT: 15.67 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

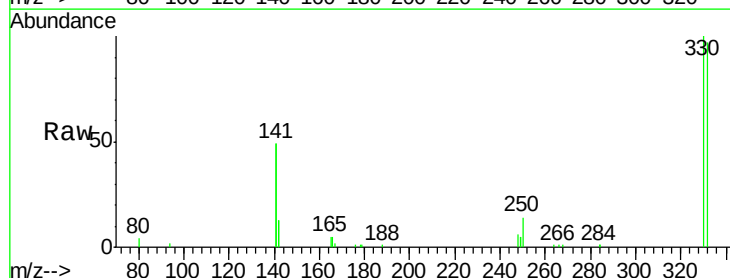
Tgt Ion:330 Resp: 19208

Ion Ratio Lower Upper

330 100

332 97.8 74.9 112.3

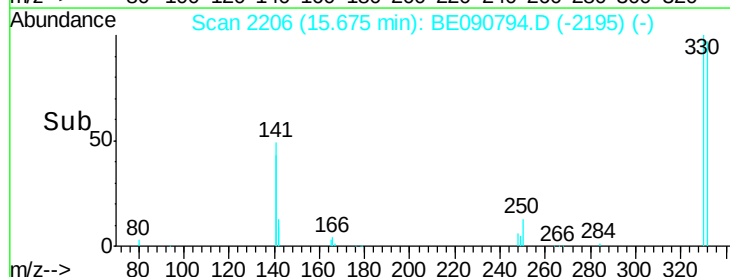
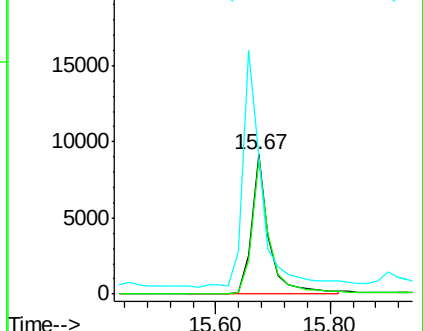
141 180.1 145.2 217.8

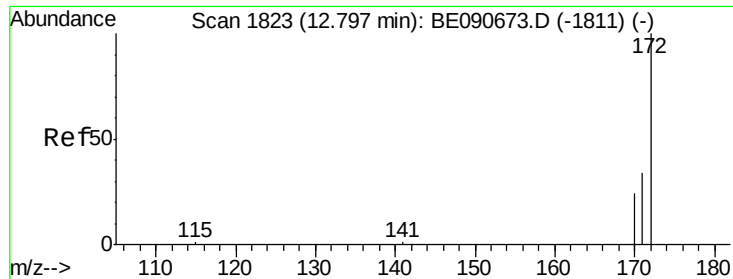


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

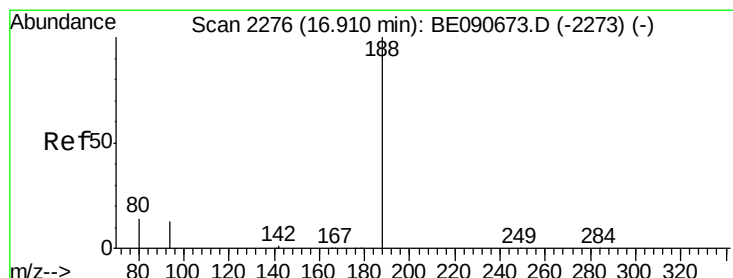
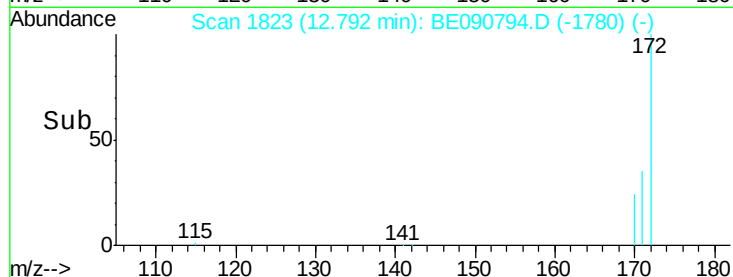
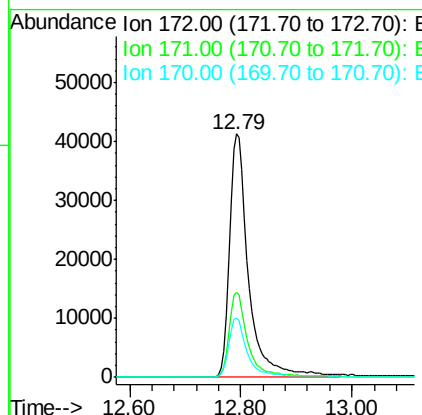
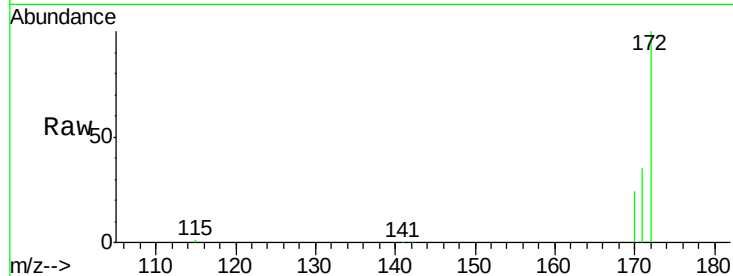




#14
2-Fluorobiphenyl
Concen: 3.02 ng
RT: 12.79 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BE090794.D
Acq: 11 Sep 2015 20:55

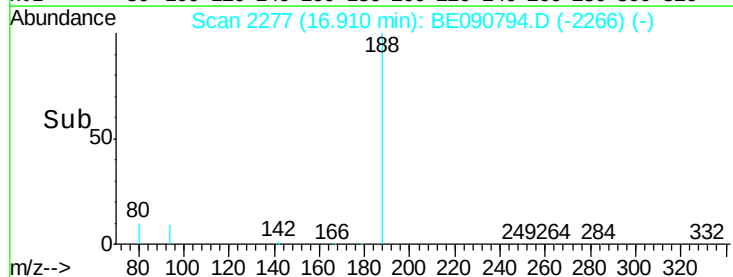
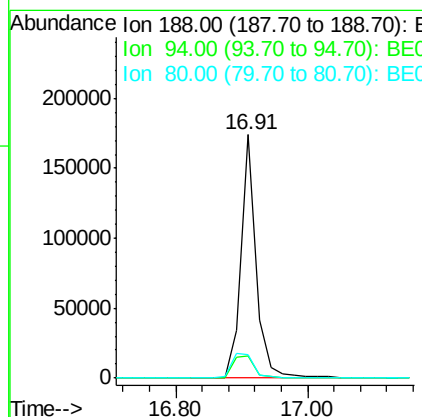
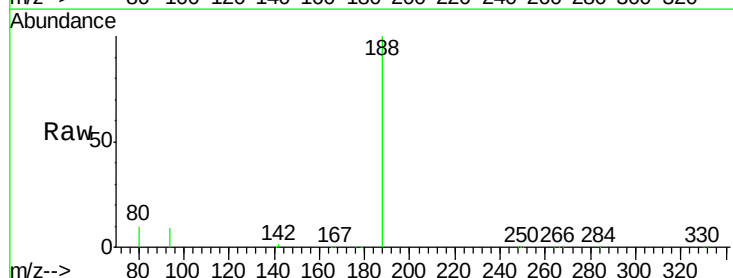
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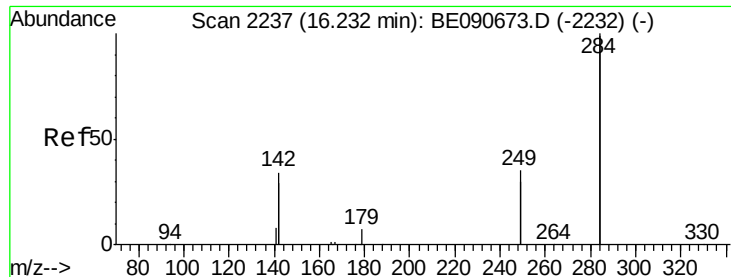
Tot Ion:172 Resp: 97139
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 24.2 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BE090794.D
Acq: 11 Sep 2015 20:55

Tgt Ion:188 Resp: 278697
Ion Ratio Lower Upper
188 100
94 9.1 10.3 15.5#
80 9.8 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.25 min Scan# 2239

Delta R.T. 0.02 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-B

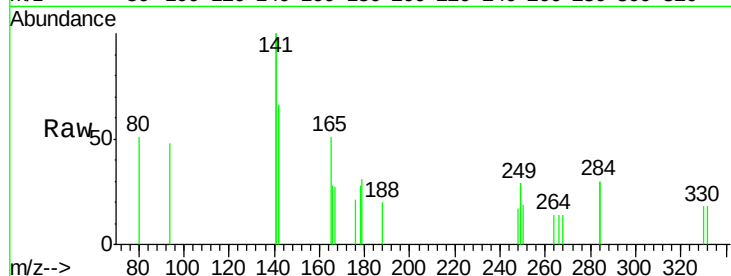
Tot Ion:284 Resp: 31

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

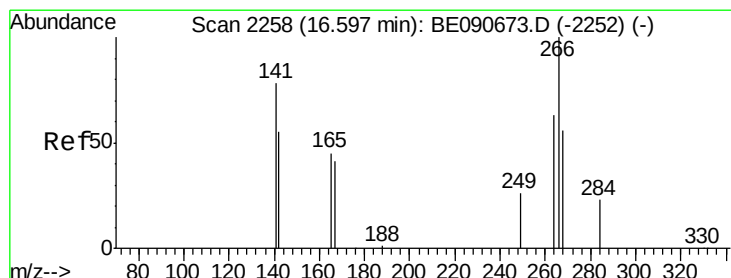
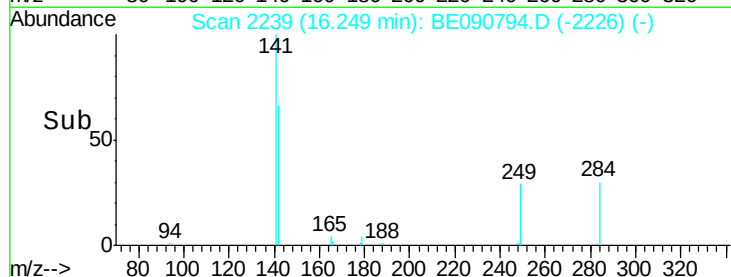
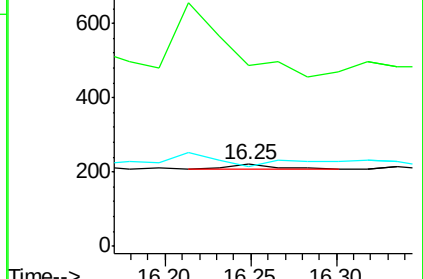
249 280.6 25.5 38.3#



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: 16.60 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

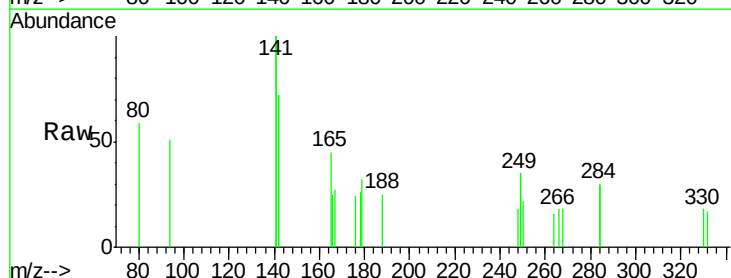
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

268 100.0 49.6 74.4#

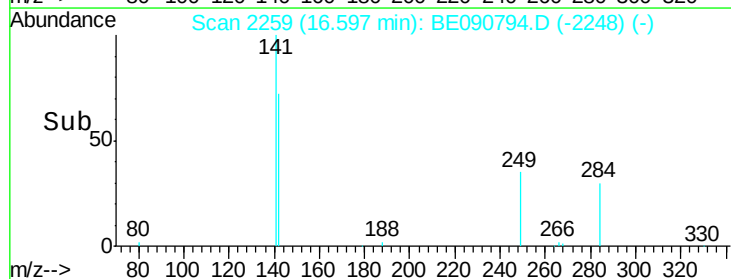
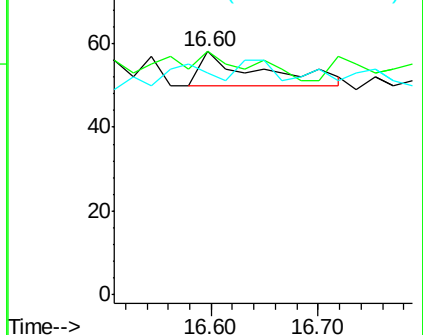
264 91.4 53.9 80.9#

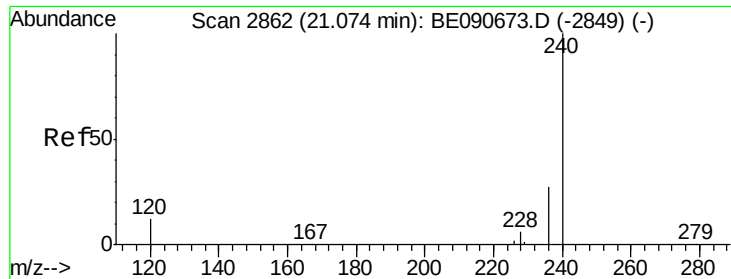


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE090794.D

Acq: 11 Sep 2015 20:55

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-B

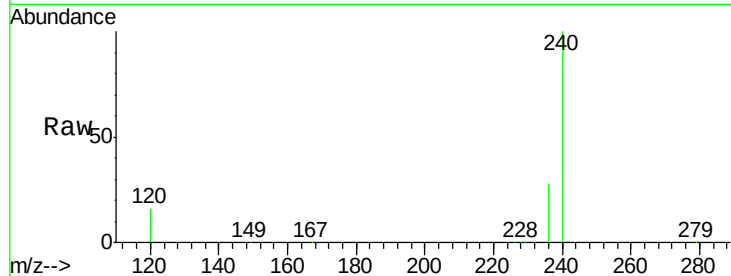
Tot Ion:240 Resp: 351645

Ion Ratio Lower Upper

240 100

120 15.9 10.1 15.1#

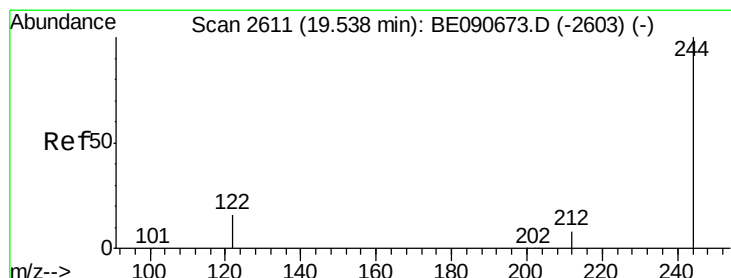
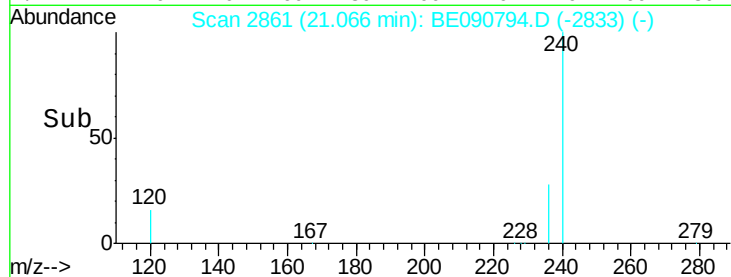
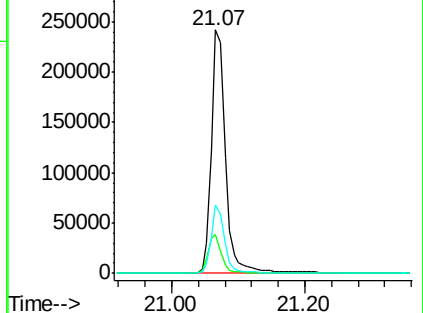
236 28.0 21.9 32.9



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: 4.22 ng

RT: 19.53 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

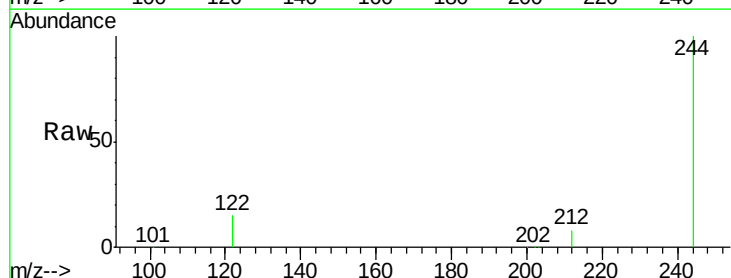
Tgt Ion:244 Resp: 164222

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

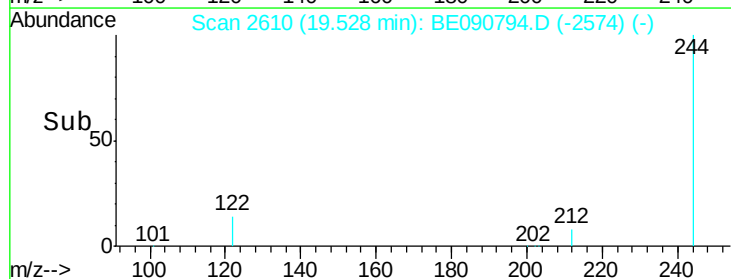
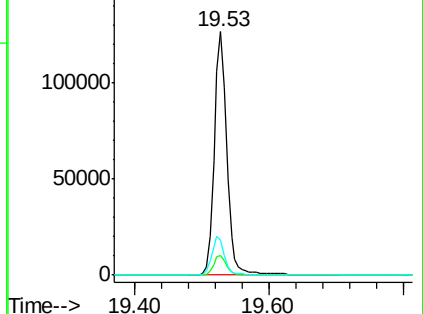
122 14.5 12.9 19.3

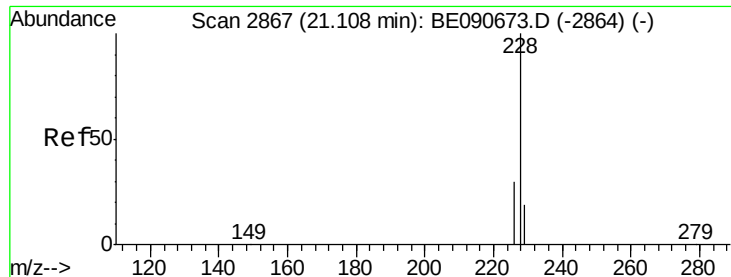


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2861

Delta R.T. -0.04 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-B

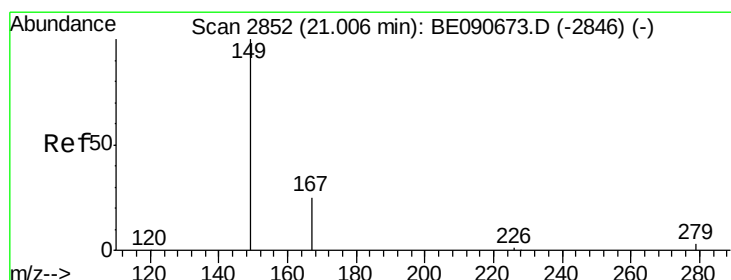
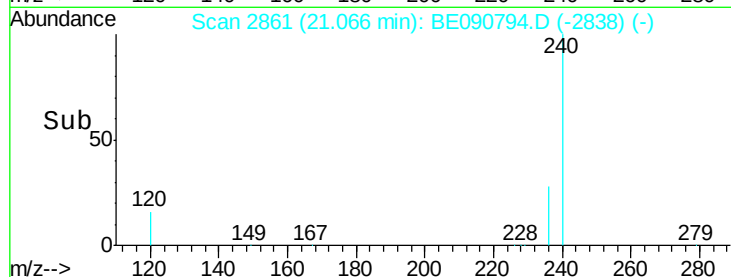
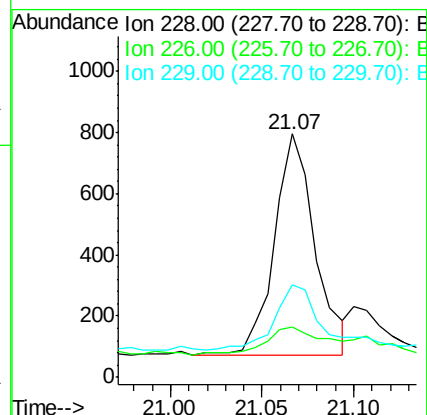
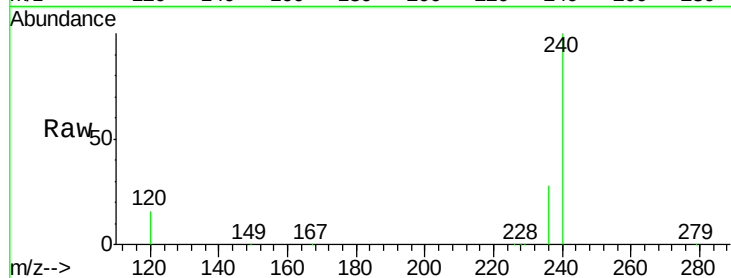
Tot Ion:228 Resp: 1108

Ion Ratio Lower Upper

228 100

226 20.9 24.2 36.4#

229 38.1 15.3 22.9#



#30

Bis(2-ethylhexyl)phthalate

Concen: 1.16 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090794.D

Acq: 11 Sep 2015 20:55

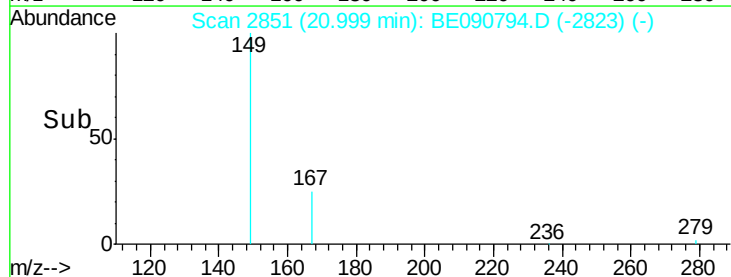
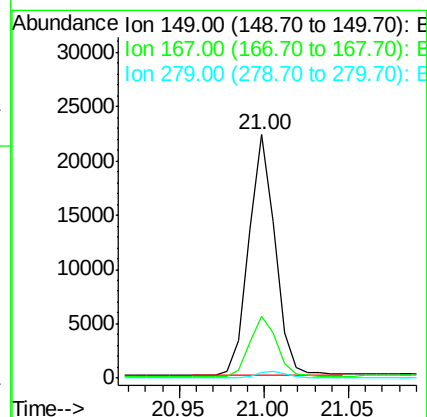
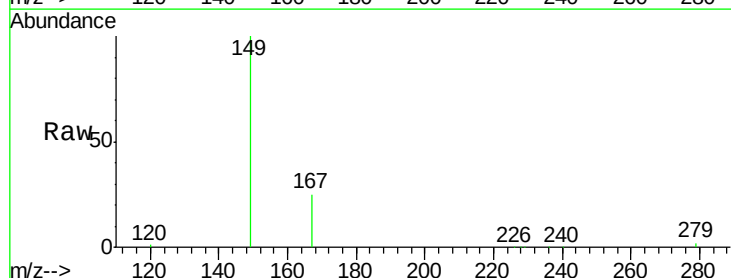
Tgt Ion:149 Resp: 23768

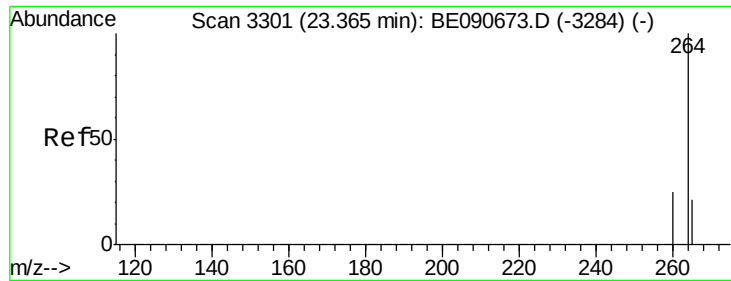
Ion Ratio Lower Upper

149 100

167 25.4 20.1 30.1

279 2.9 2.3 3.5

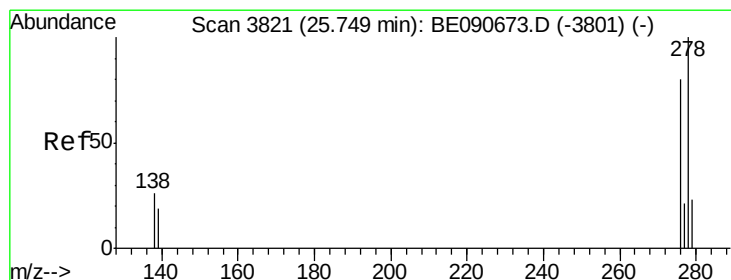
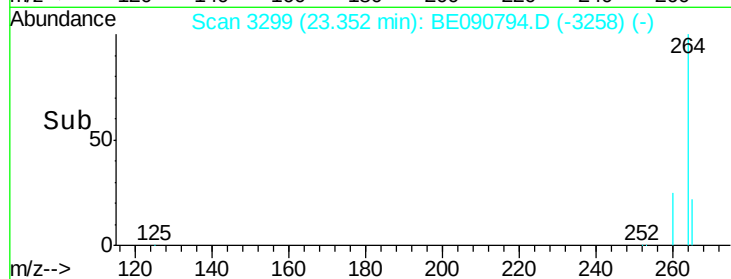
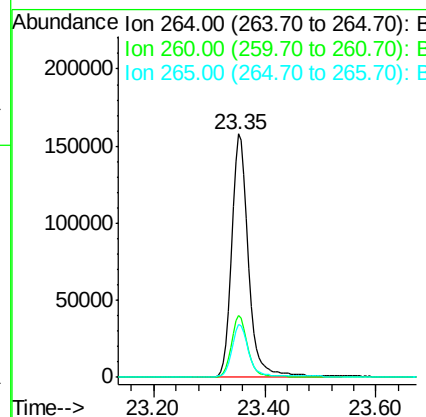
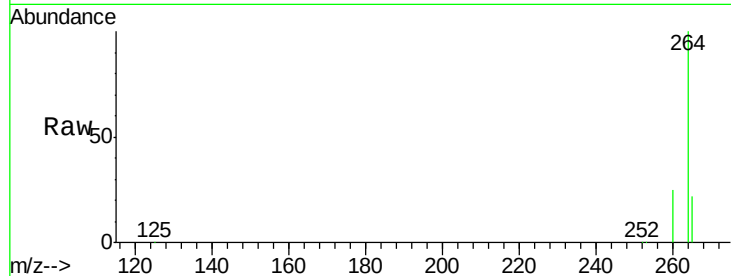




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3299
Delta R.T. -0.01 min
Lab File: BE090794.D
Acq: 11 Sep 2015 20:55

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

Tot Ion:264 Resp: 329530
Ion Ratio Lower Upper
264 100
260 25.3 19.7 29.5
265 21.9 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.72 min Scan# 3815
Delta R.T. -0.03 min
Lab File: BE090794.D
Acq: 11 Sep 2015 20:55

Tgt Ion:278 Resp: 8
Ion Ratio Lower Upper
278 100
139 164.6 15.4 23.0#
279 144.6 18.8 28.2#

