

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090821.D
 Acq On : 15 Sep 2015 4:43
 Operator : UM/IZ
 Sample : G3658-11
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-U-M

Quant Time: Sep 15 05:51:52 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	26934	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	116197	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	61019	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	168242	5.00	ng	0.00
25) Chrysene-d12	21.07	240	237075	5.00	ng	0.00
32) Perylene-d12	23.35	264	214099	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	15248	2.92	ng	0.00
5) Phenol-d6	6.76	99	11394	1.52	ng	0.00
7) Nitrobenzene-d5	8.72	82	24277	3.16	ng	0.01
13) 2,4,6-Tribromophenol	15.67	330	12161	6.81	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	57224	3.39	ng	0.00
27) Terphenyl-d14	19.53	244	132499	5.05	ng	-0.01

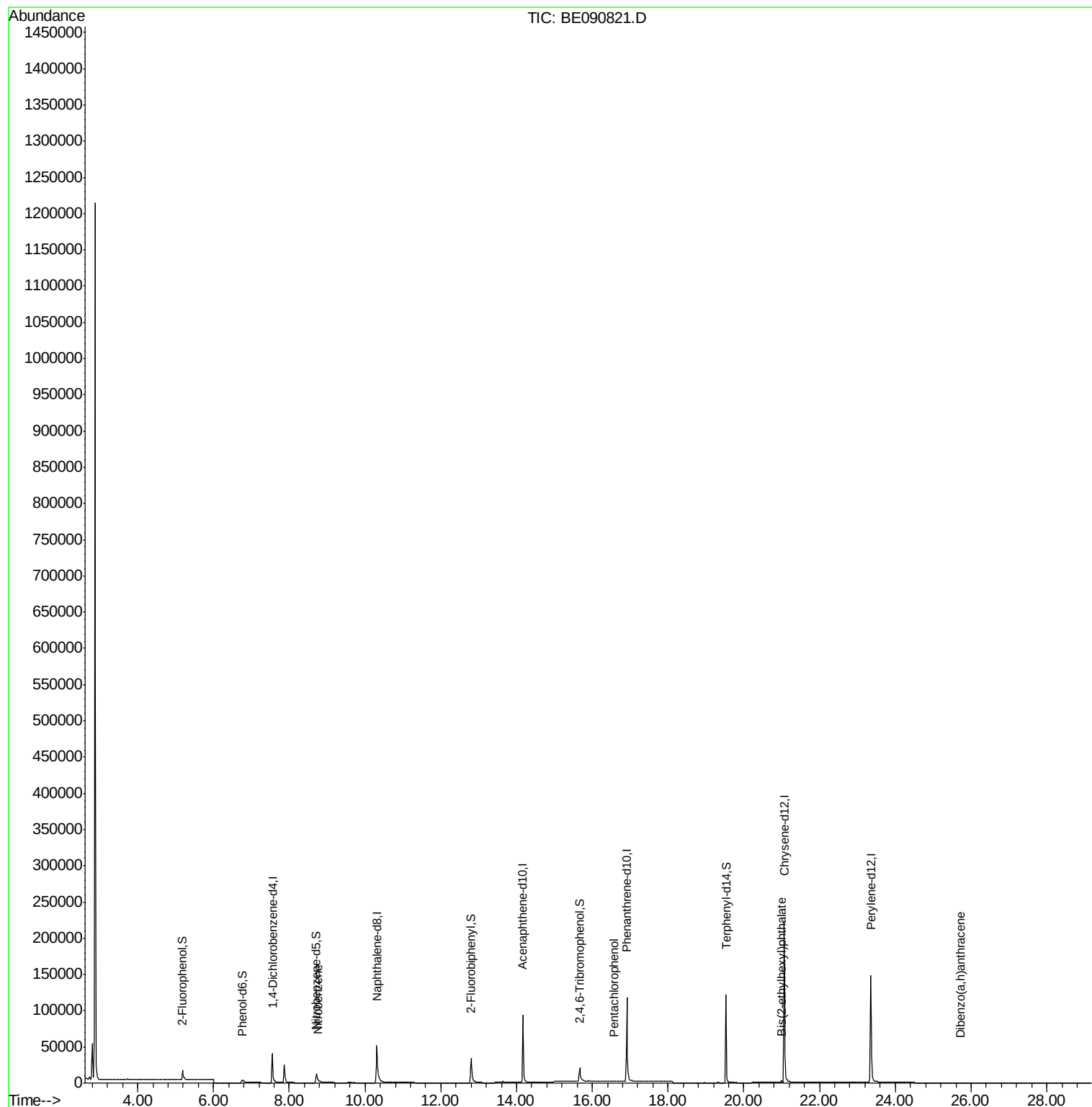
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	55	Below Cal	#	1
3) n-Nitrosodimethylamine	3.45	42	24	Below Cal	#	1
8) Nitrobenzene	8.76	77	14	0.11 ng	#	60
20) Hexachlorobenzene	16.21	284	115	Below Cal	#	37
21) Pentachlorophenol	16.58	266	17	0.47 ng	#	56
29) Chrysene	21.07	228	926	Below Cal	#	79
30) Bis(2-ethylhexyl)phthalate	21.00	149	2696	0.26 ng	#	97
36) Dibenzo(a,h)anthracene	25.73	278	9	0.14 ng	#	1

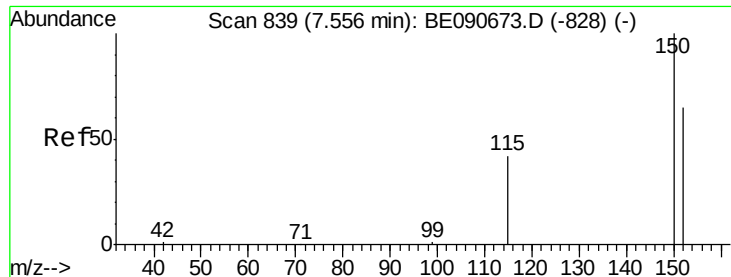
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090821.D

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Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

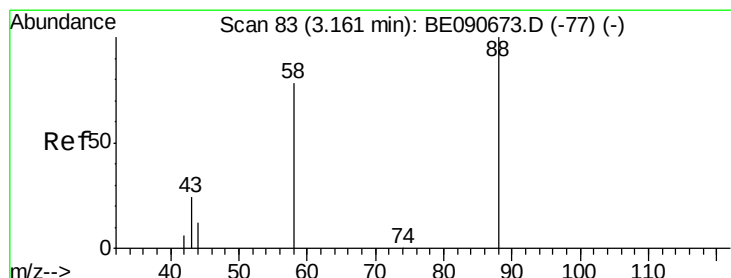
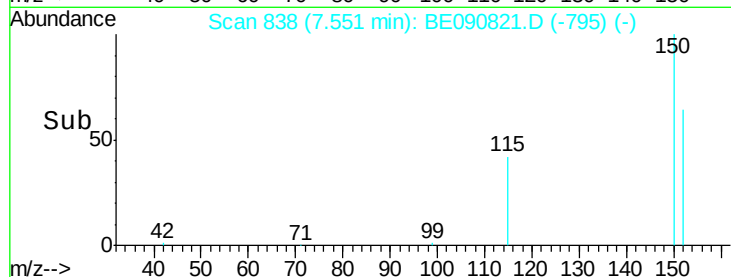
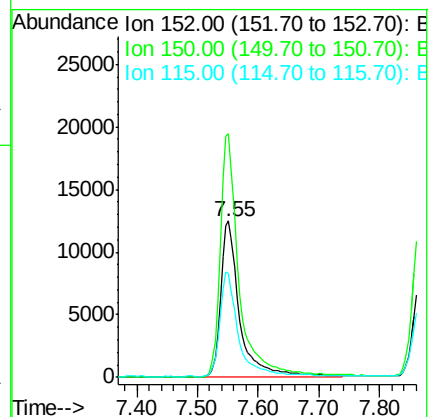
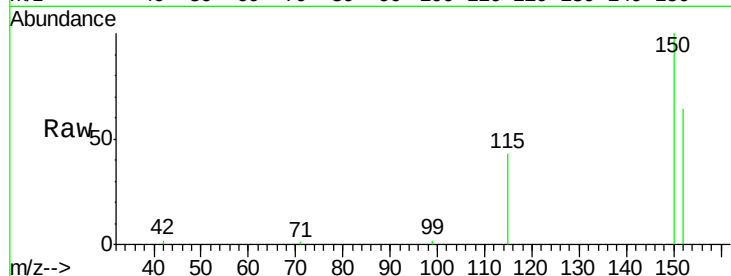
Tot Ion:152 Resp: 26934

Ion Ratio Lower Upper

152 100

150 155.7 122.2 183.4

115 66.6 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.26 min Scan# 97

Delta R.T. 0.10 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

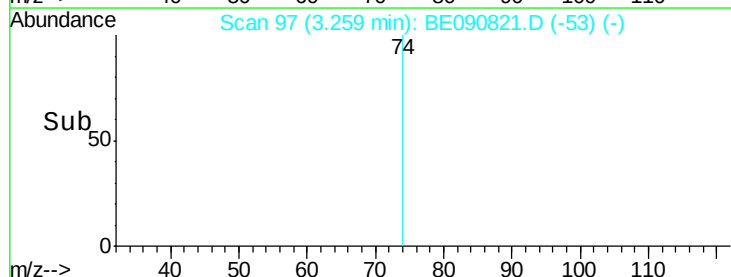
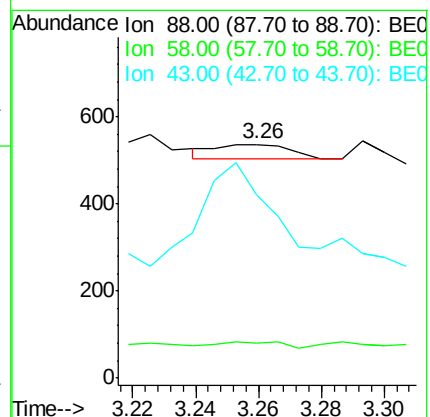
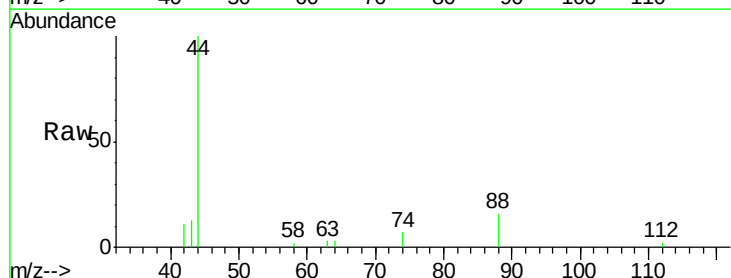
Tgt Ion: 88 Resp: 55

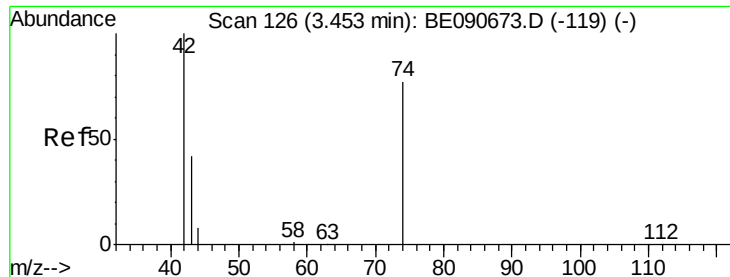
Ion Ratio Lower Upper

88 100

58 36.4 68.4 102.6#

43 810.9 26.9 40.3#



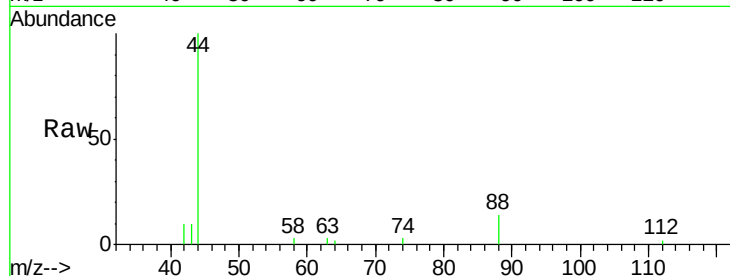


#3

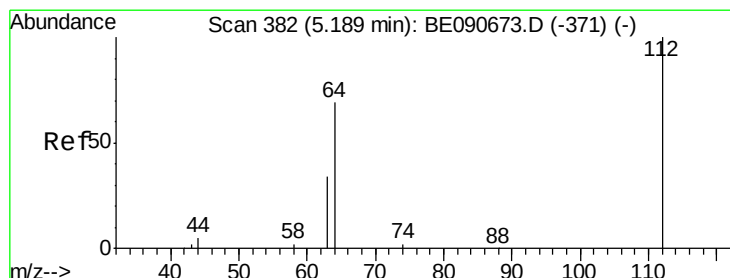
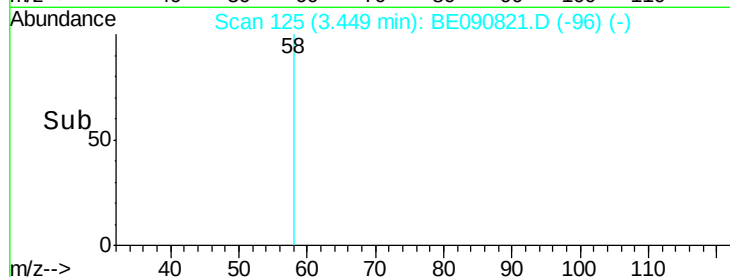
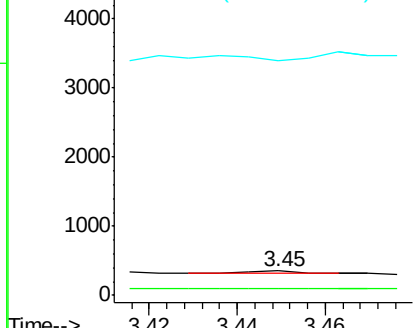
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 125
 Delta R.T. -0.00 min
 Lab File: BE090821.D
 Acq: 15 Sep 2015 4:43

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-U-M

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	83.7	125.5#
44	991.7	10.0	15.0#



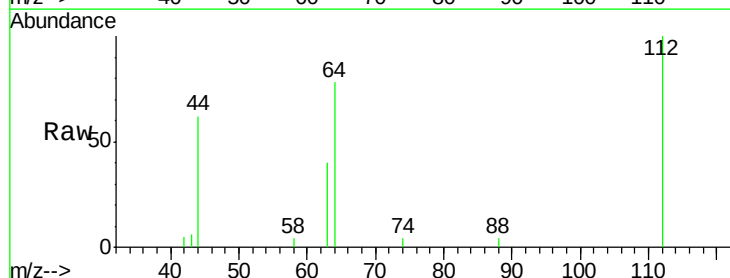
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



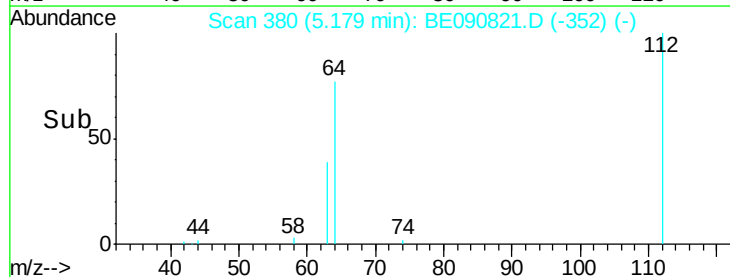
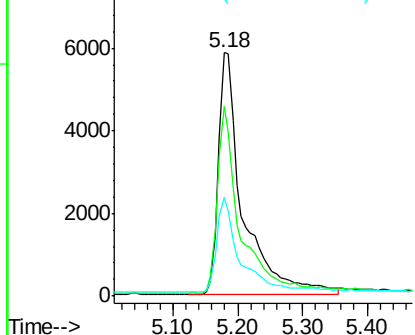
#4

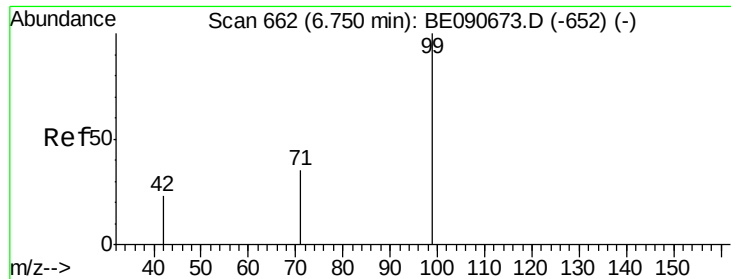
2-Fluorophenol
 Concen: 2.92 ng
 RT: 5.18 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: BE090821.D
 Acq: 15 Sep 2015 4:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.3	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: 1.52 ng

RT: 6.76 min Scan# 664

Delta R.T. 0.01 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

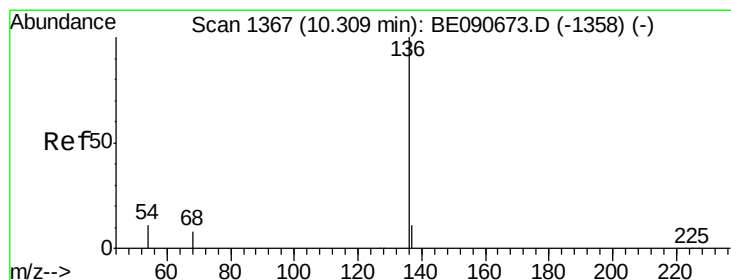
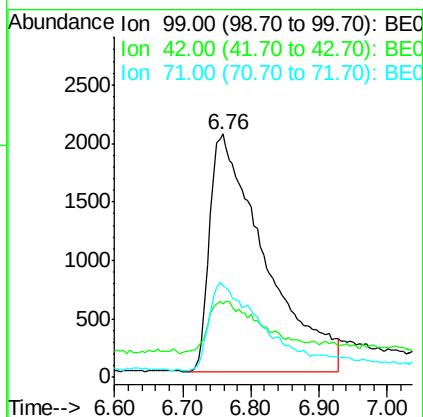
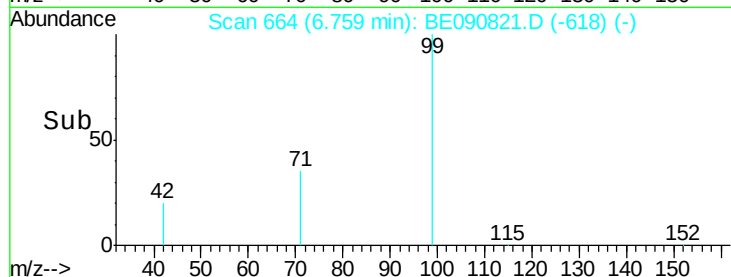
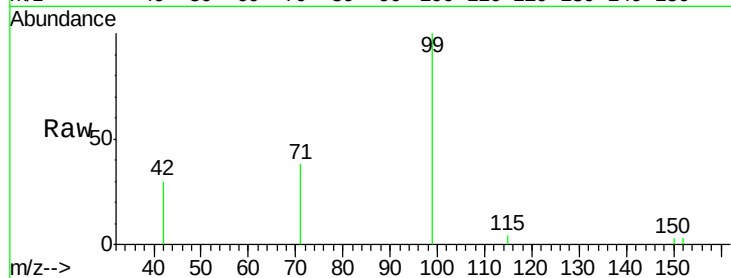
Tot Ion: 99 Resp: 11394

Ion Ratio Lower Upper

99 100

42 6.6 16.8 25.2#

71 34.7 28.3 42.5



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

Tgt Ion: 136 Resp: 116197

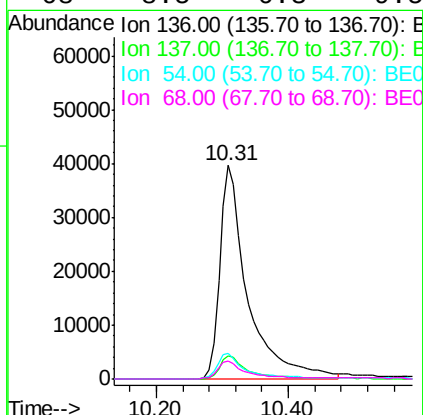
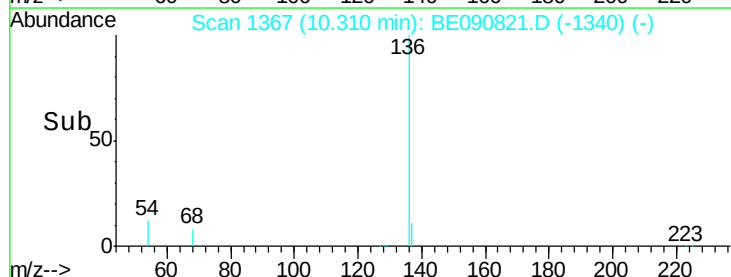
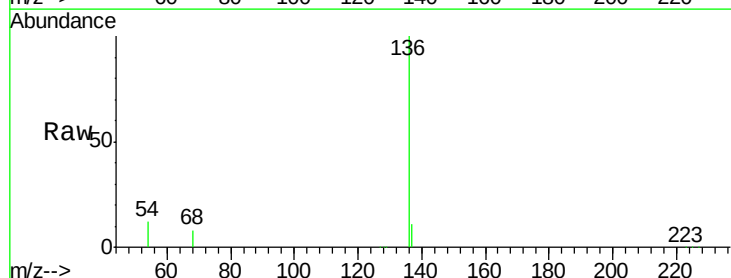
Ion Ratio Lower Upper

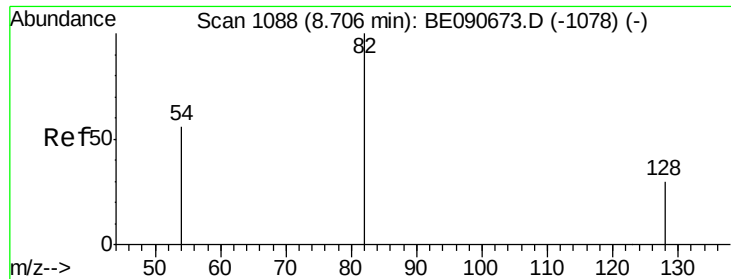
136 100

137 11.0 8.7 13.1

54 11.8 9.0 13.6

68 8.5 6.3 9.5





#7

Nitrobenzene-d5

Concen: 3.16 ng

RT: 8.72 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

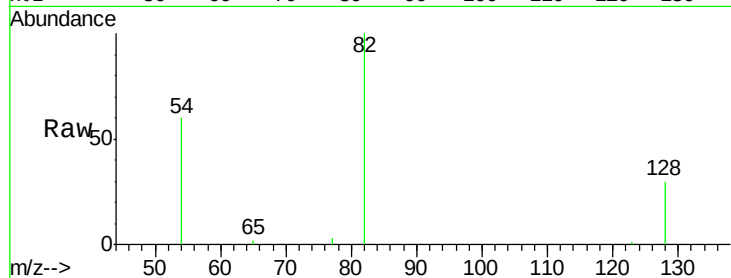
Tot Ion: 82 Resp: 24277

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.4

54 59.8 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

8.72

6000

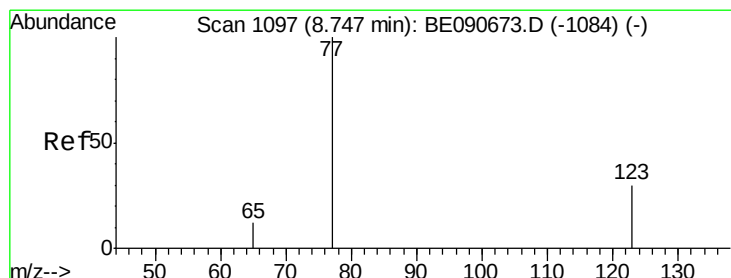
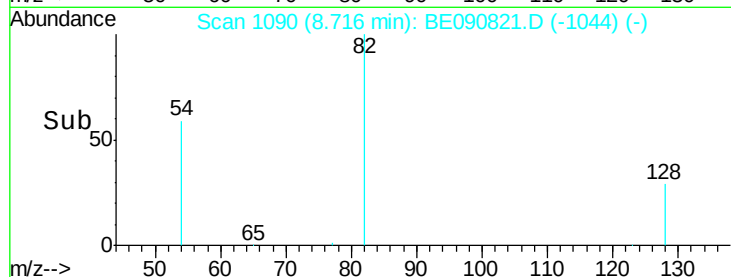
4000

2000

0

Time-->

8.60 8.70 8.80 8.90



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.76 min Scan# 1099

Delta R.T. 0.01 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

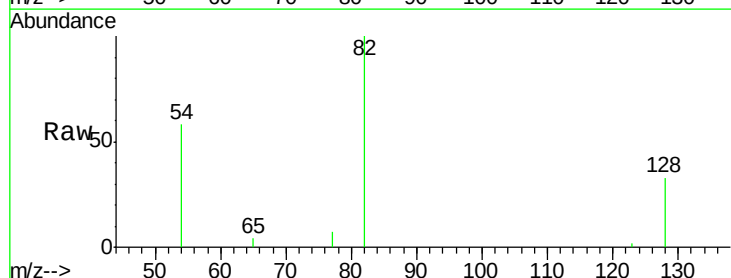
Tgt Ion: 77 Resp: 14

Ion Ratio Lower Upper

77 100

123 21.4 25.1 37.7#

65 50.0 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

8.76

200

150

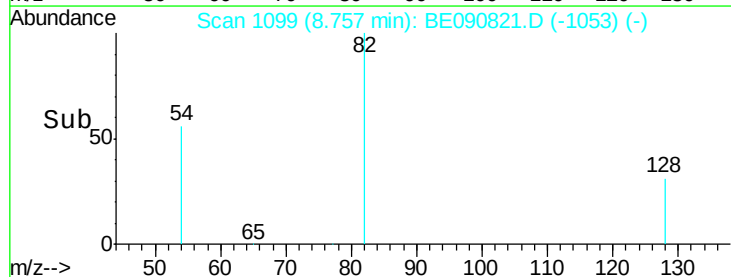
100

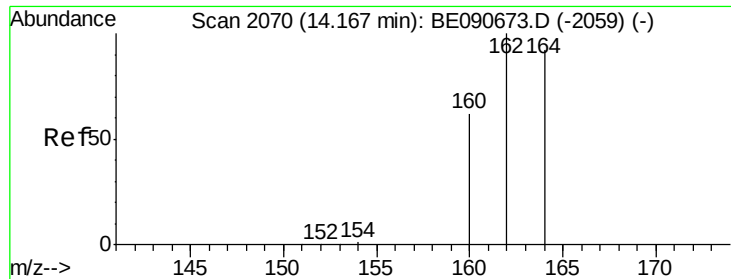
50

0

Time-->

8.75 8.76





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

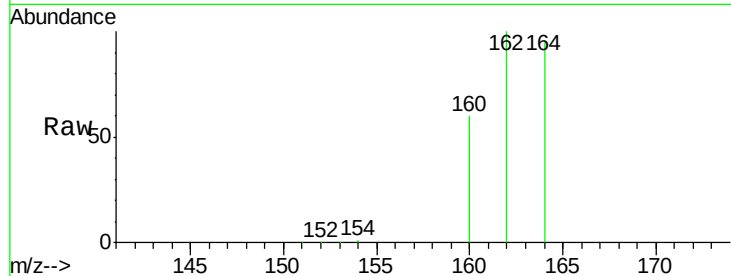
Tot Ion:164 Resp: 61019

Ion Ratio Lower Upper

164 100

162 105.6 86.8 130.2

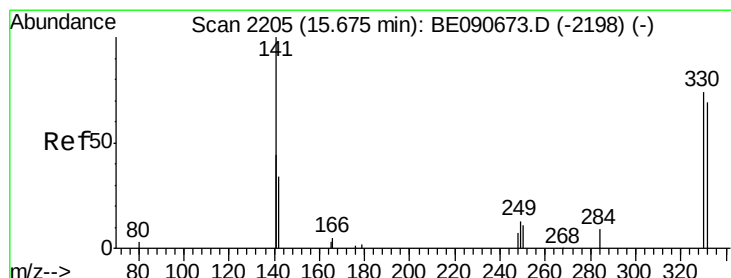
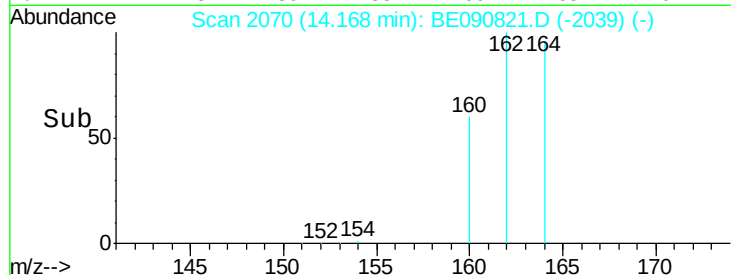
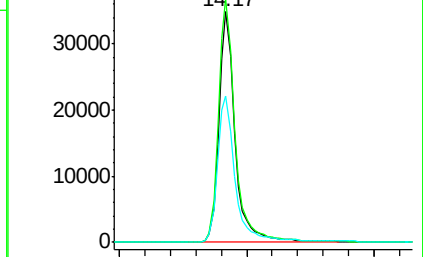
160 63.3 53.9 80.9



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: 6.81 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

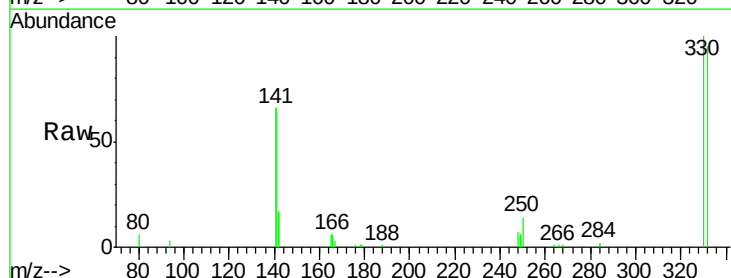
Tgt Ion:330 Resp: 12161

Ion Ratio Lower Upper

330 100

332 96.3 74.9 112.3

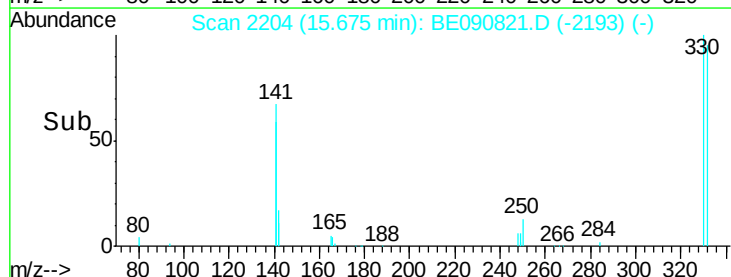
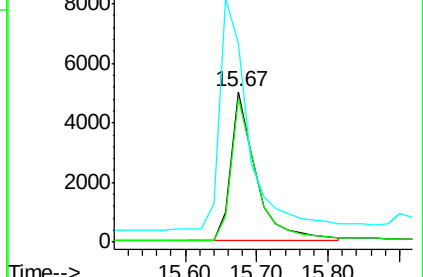
141 179.8 145.2 217.8

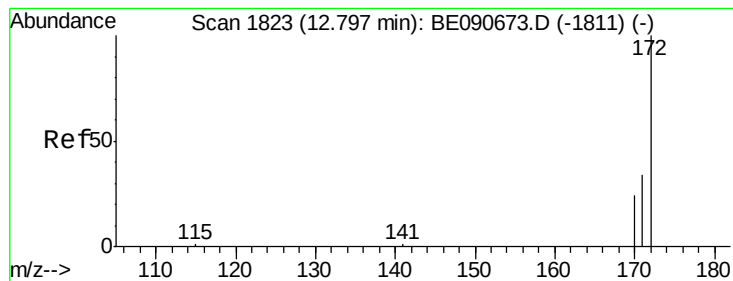


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.39 ng

RT: 12.80 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BE090821.D

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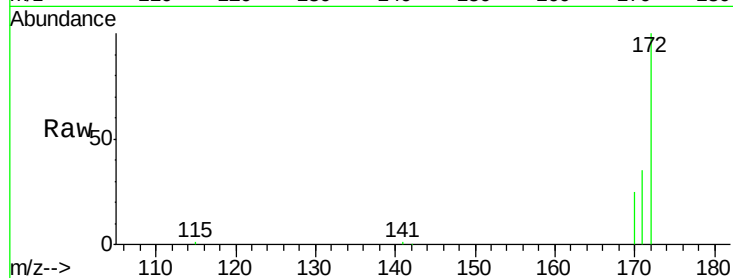
Tot Ion:172 Resp: 57224

Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.8

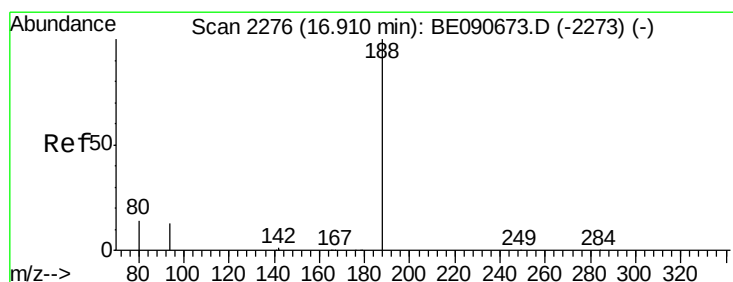
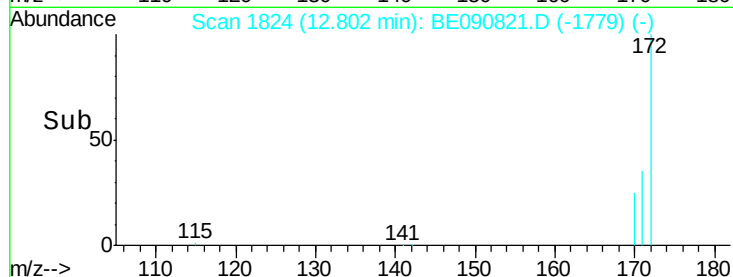
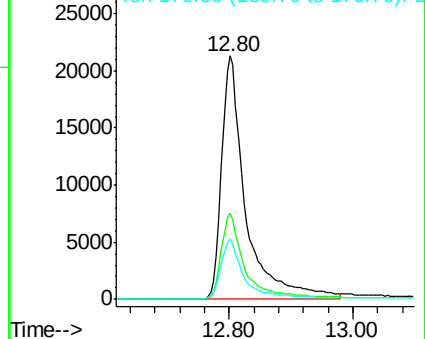
170 25.0 19.8 29.6



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# 2275

Delta R.T. -0.00 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

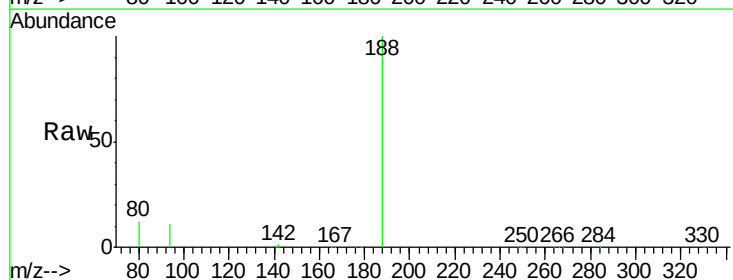
Tgt Ion:188 Resp: 168242

Ion Ratio Lower Upper

188 100

94 10.8 10.3 15.5

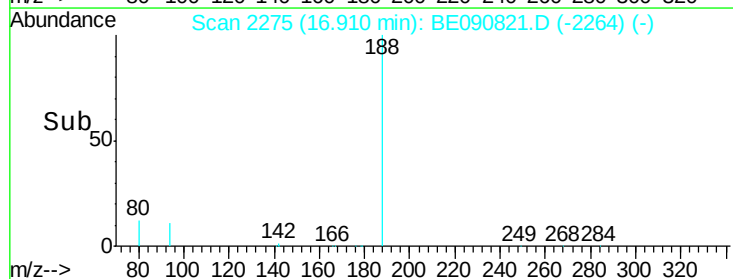
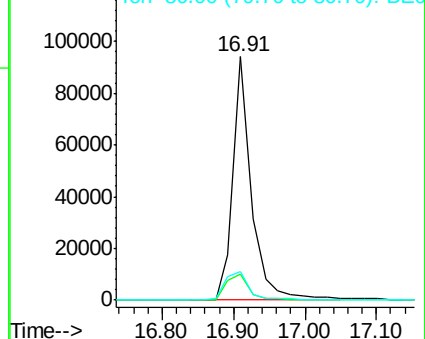
80 11.7 11.0 16.6

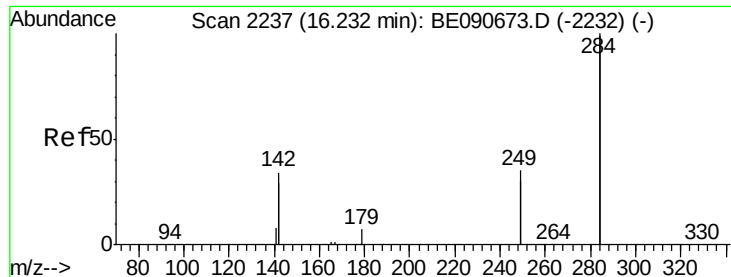


Abundance Ion 188.00 (187.70 to 188.70): E

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# 2235

Delta R.T. -0.02 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

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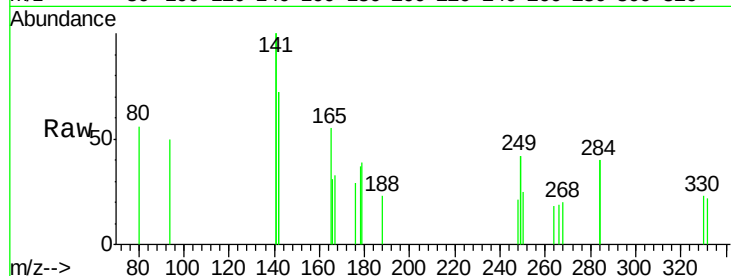
Tot Ion:284 Resp: 115

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

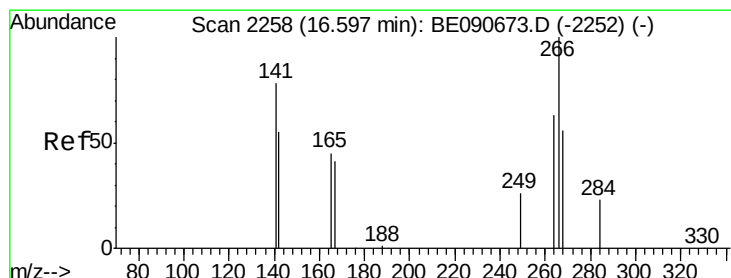
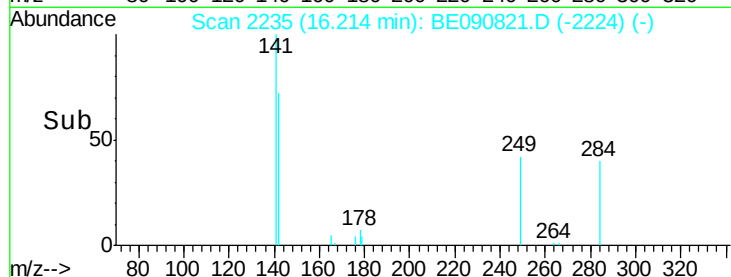
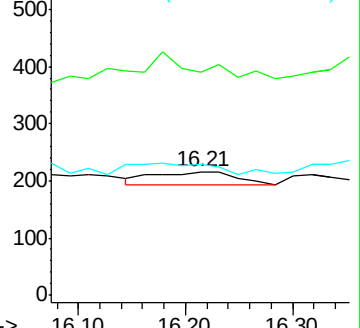
249 0.0 25.5 38.3#



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: 0.47 ng

RT: 16.58 min Scan# 2256

Delta R.T. -0.02 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

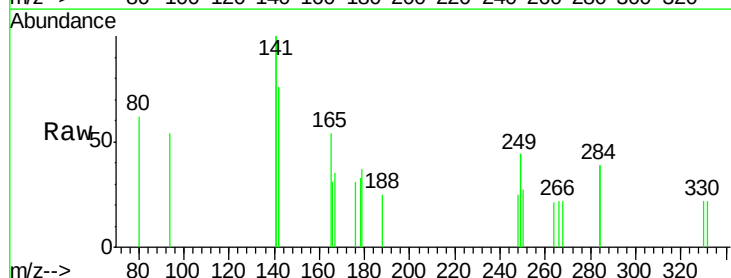
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

268 101.8 49.6 74.4#

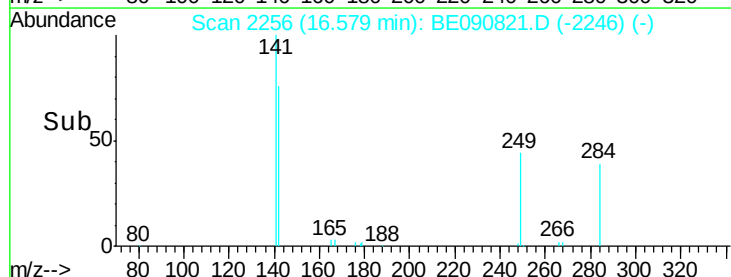
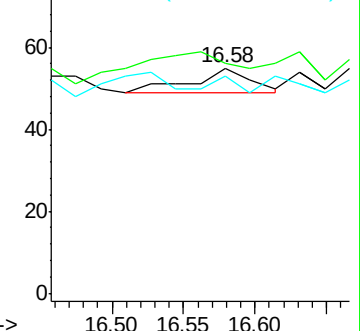
264 96.4 53.9 80.9#

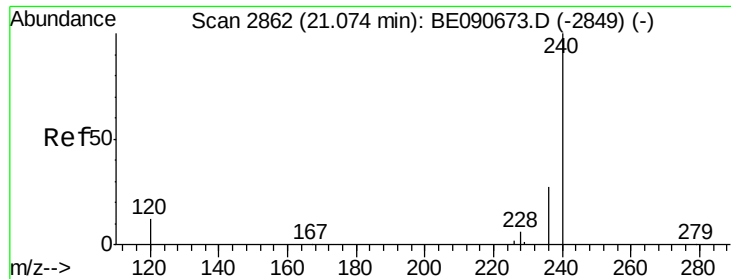


Abundance Ion 265.70 (265.40 to 266.40): E

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# 2859

Delta R.T. -0.01 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

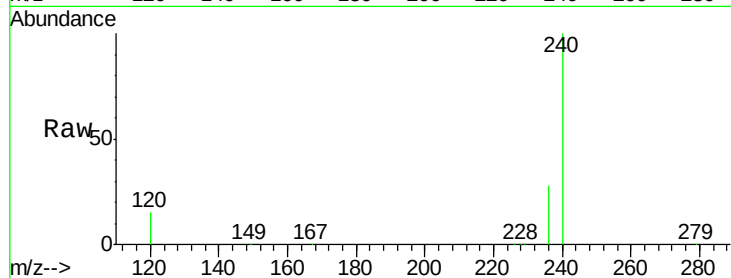
Tot Ion:240 Resp: 237075

Ion Ratio Lower Upper

240 100

120 15.2 10.1 15.1#

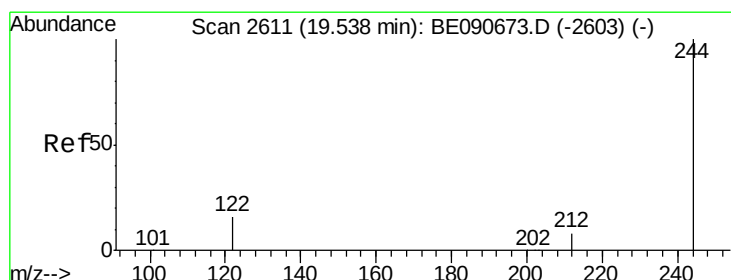
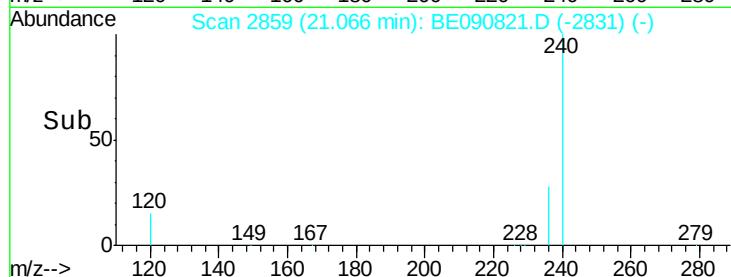
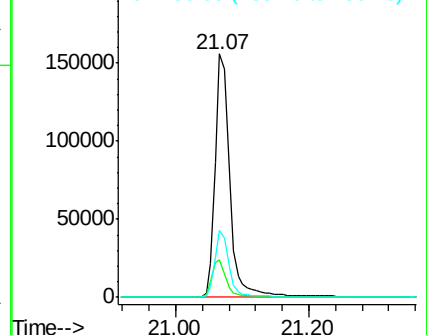
236 27.7 21.9 32.9



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: 5.05 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

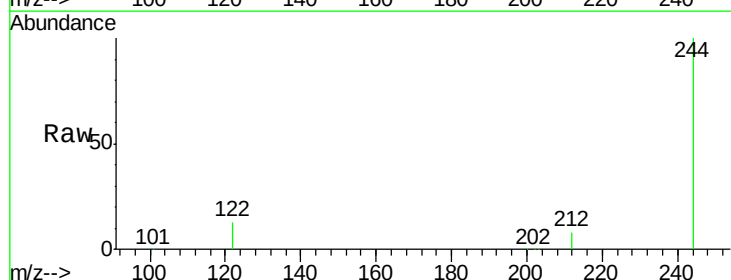
Tgt Ion:244 Resp: 132499

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

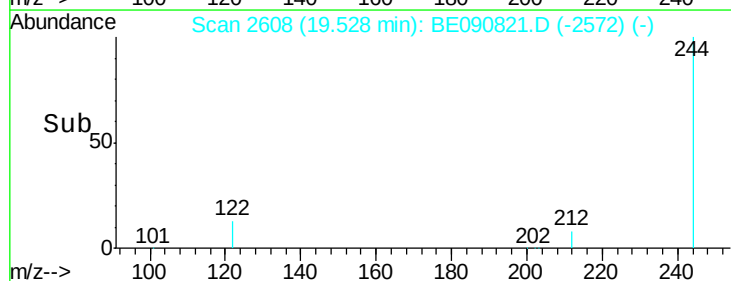
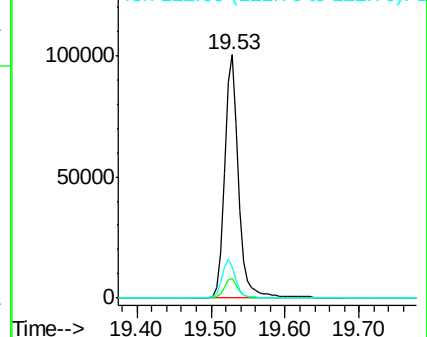
122 13.0 12.9 19.3

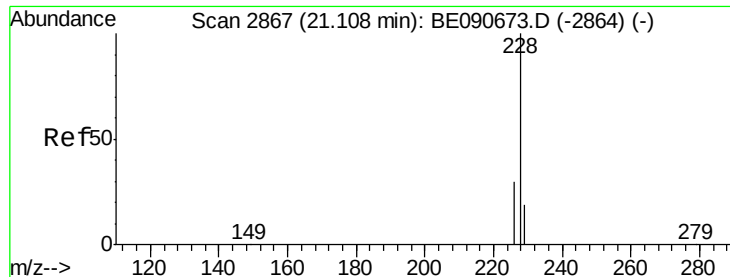


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2859

Delta R.T. -0.04 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

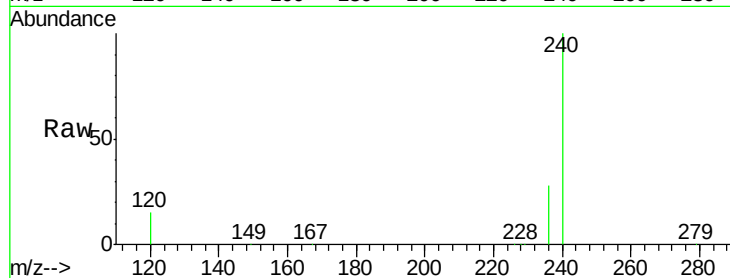
Tot Ion:228 Resp: 926

Ion Ratio Lower Upper

228 100

226 24.7 24.2 36.4

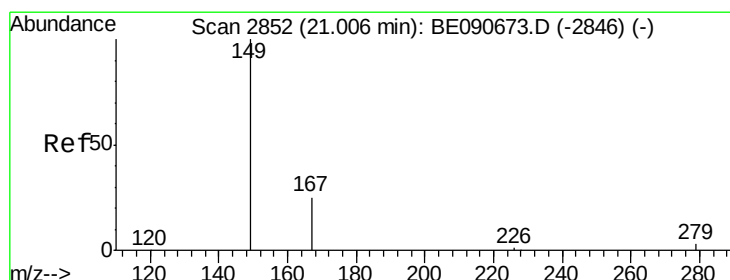
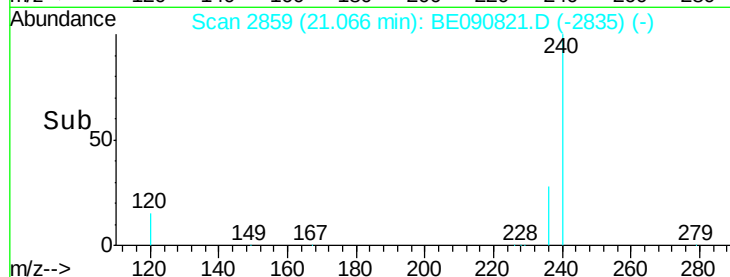
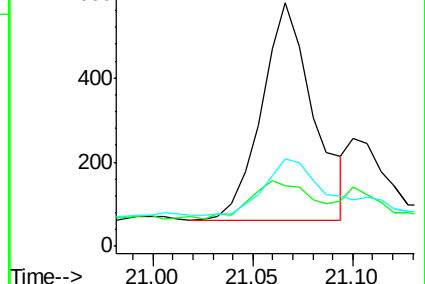
229 35.8 15.3 22.9#



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090821.D

Acq: 15 Sep 2015 4:43

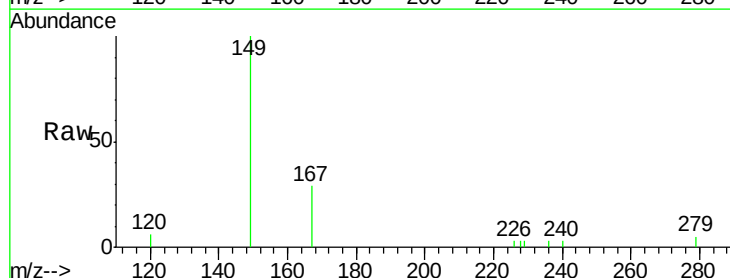
Tgt Ion:149 Resp: 2696

Ion Ratio Lower Upper

149 100

167 23.7 20.1 30.1

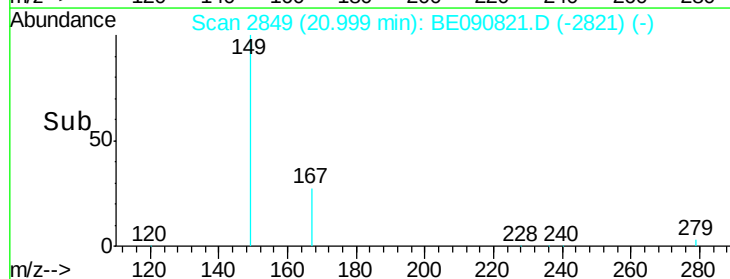
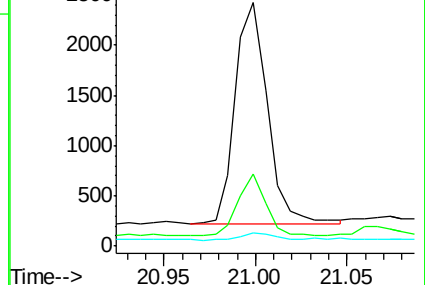
279 3.4 2.3 3.5

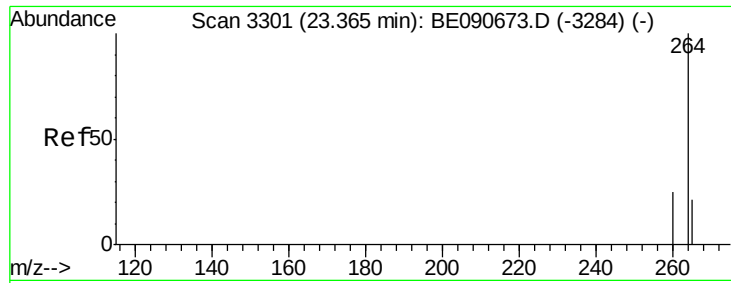


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

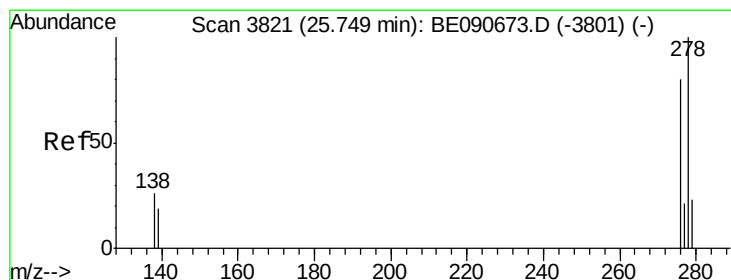
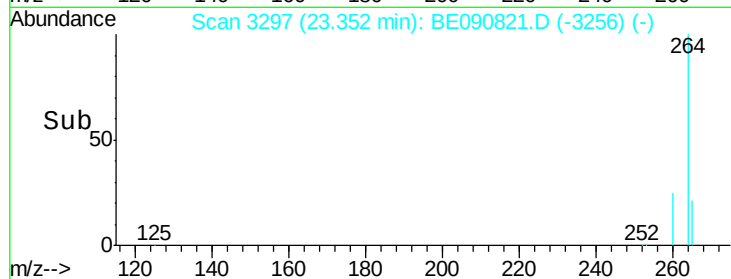
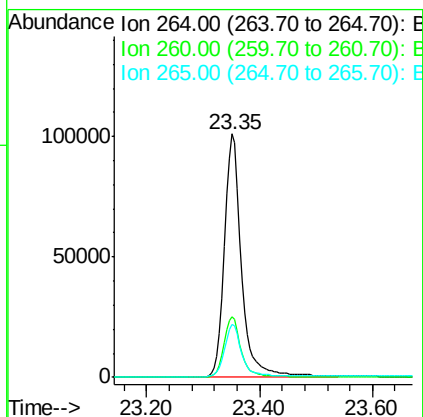
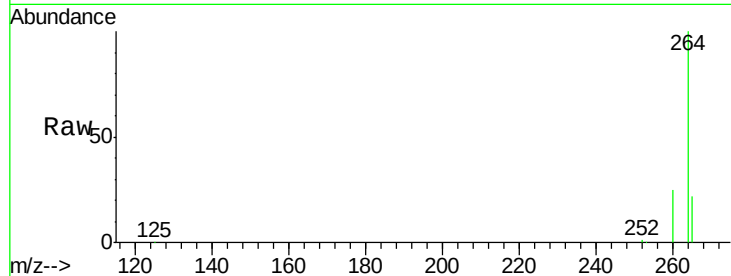




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3297
Delta R.T. -0.01 min
Lab File: BE090821.D
Acq: 15 Sep 2015 4:43

Instrument :
BNA_E
ClientSampleId :
091315-D534-F-U-M

Tot Ion:264 Resp: 214099
Ion Ratio Lower Upper
264 100
260 24.8 19.7 29.5
265 21.7 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: BE090821.D
Acq: 15 Sep 2015 4:43

Tgt Ion:278 Resp: 9
Ion Ratio Lower Upper
278 100
139 147.0 15.4 23.0#
279 125.8 18.8 28.2#

