

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091615\
 Data File : BE090847.D
 Acq On : 16 Sep 2015 17:00
 Operator : UM/IZ
 Sample : G3677-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-D-M

Quant Time: Sep 17 00:56:06 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	30461	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	132278	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	71094	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	185566	5.00	ng	0.00
25) Chrysene-d12	21.07	240	240888	5.00	ng	0.00
32) Perylene-d12	23.35	264	215698	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	21334	3.60	ng	-0.01
5) Phenol-d6	6.75	99	16421	1.94	ng	0.00
7) Nitrobenzene-d5	8.71	82	33780	3.86	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	14611	7.02	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	76363	3.88	ng	0.00
27) Terphenyl-d14	19.53	244	152016	5.70	ng	-0.01

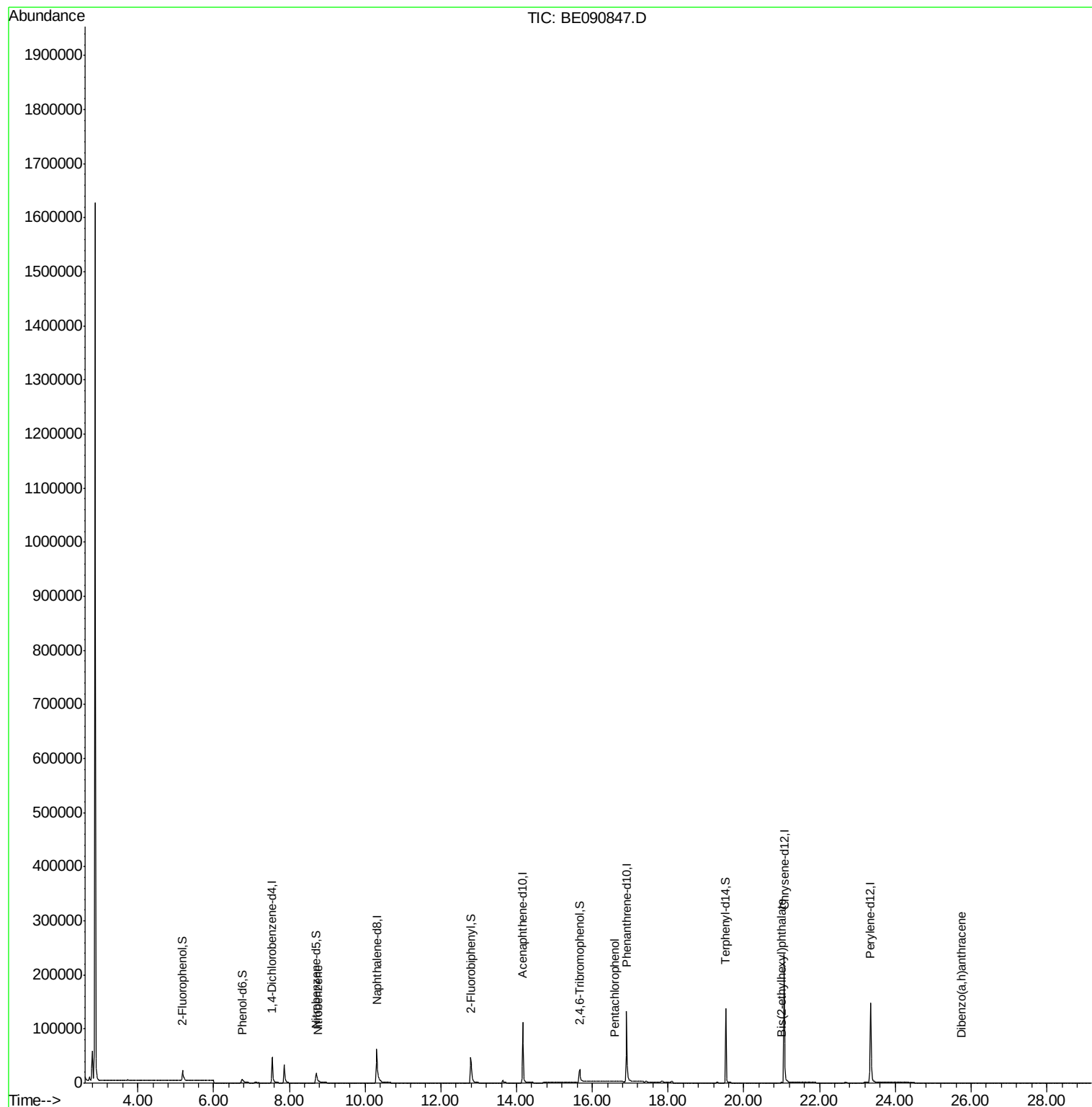
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	37	Below Cal	#	1
3) n-Nitrosodimethylamine	3.40	42	26	Below Cal	#	32
8) Nitrobenzene	8.76	77	22	0.11 ng	#	51
20) Hexachlorobenzene	16.21	284	50	Below Cal	#	15
21) Pentachlorophenol	16.60	266	58	0.48 ng	#	61
28) Benzo(a)anthracene	21.07	228	814	Below Cal	#	76
29) Chrysene	21.07	228	814	Below Cal	#	73
30) Bis(2-ethylhexyl)phthalate	20.99	149	1556	0.18 ng	#	97
36) Dibenzo(a,h)anthracene	25.75	278	37	0.14 ng	#	1

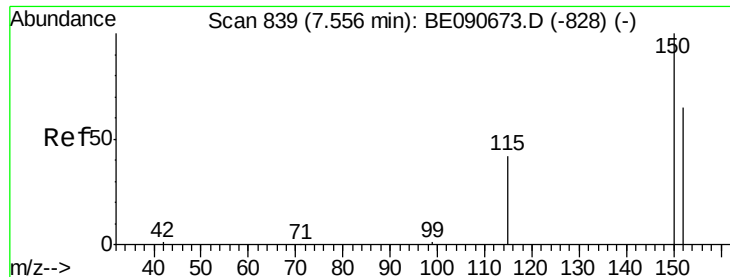
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-M

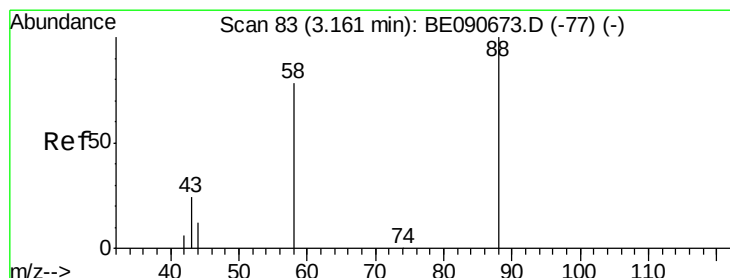
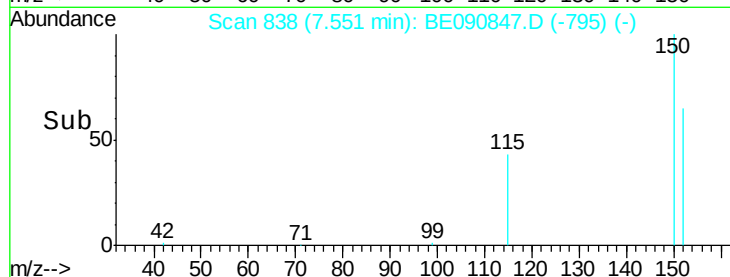
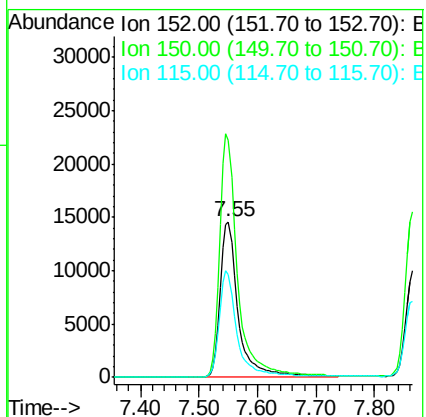
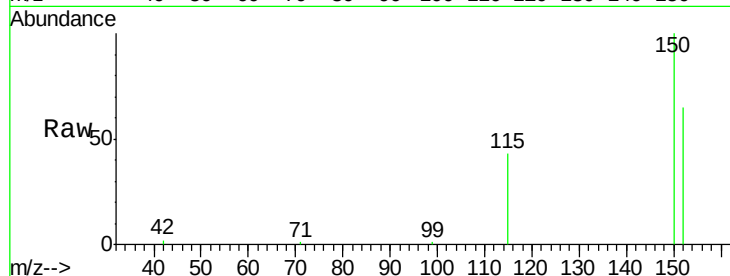
Tot Ion:152 Resp: 30461

Ion Ratio Lower Upper

152 100

150 152.7 122.2 183.4

115 65.9 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.24 min Scan# 94

Delta R.T. 0.08 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

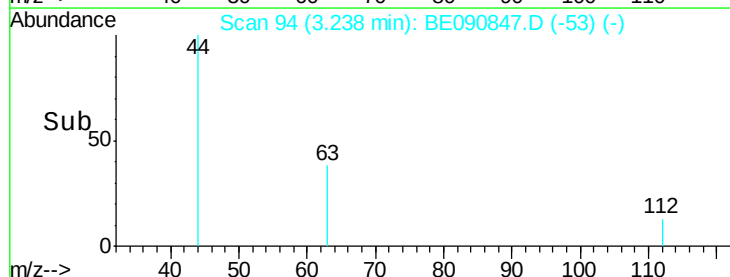
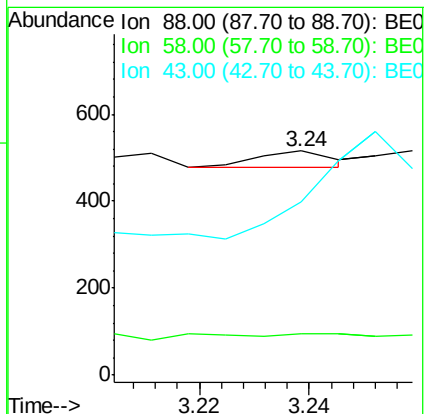
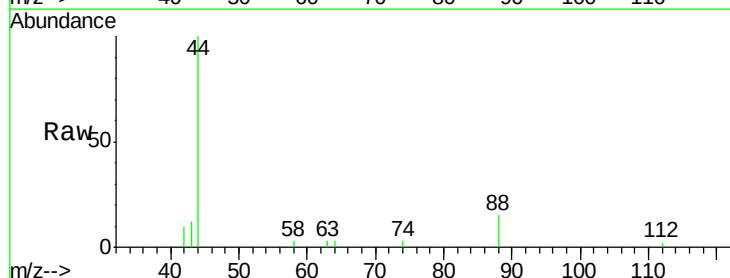
Tgt Ion: 88 Resp: 37

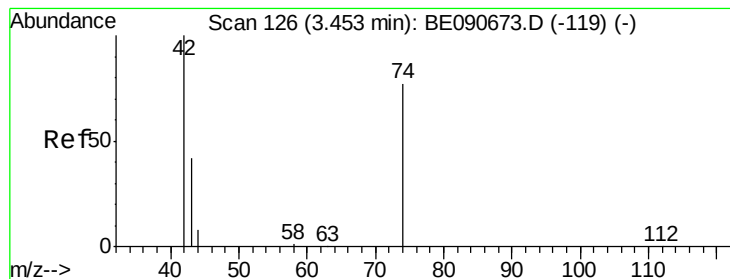
Ion Ratio Lower Upper

88 100

58 32.4 68.4 102.6#

43 1300.0 26.9 40.3#



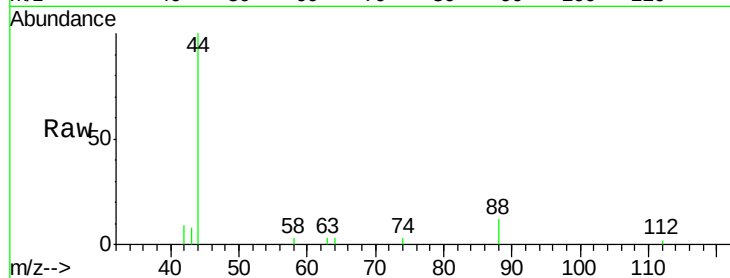


#3

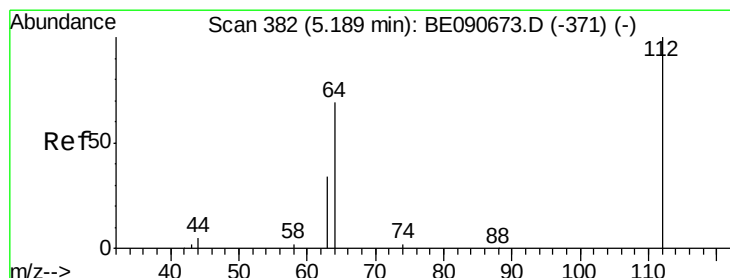
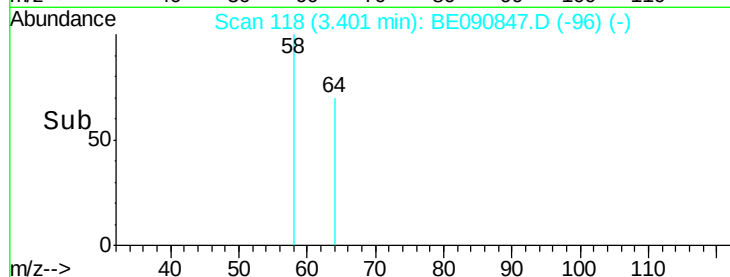
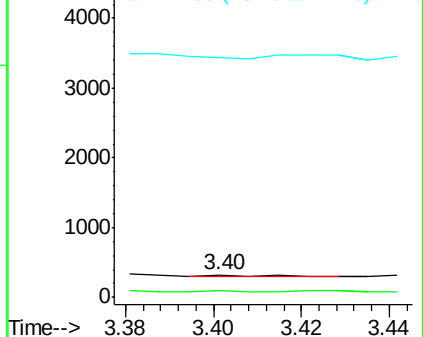
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.40 min Scan# 118
 Delta R.T. -0.05 min
 Lab File: BE090847.D
 Acq: 16 Sep 2015 17:00

Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-D-M

Tot Ion: 42 Resp: 26
 Ion Ratio Lower Upper
 42 100
 74 30.8 83.7 125.5#
 44 0.0 10.0 15.0#



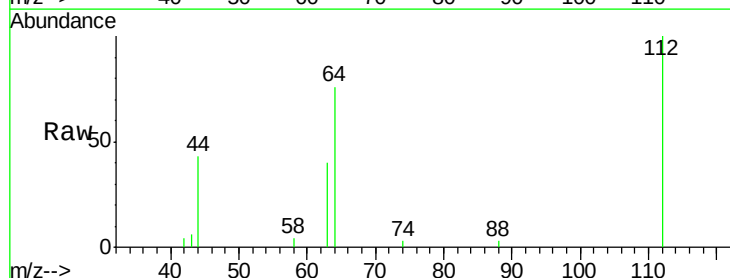
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



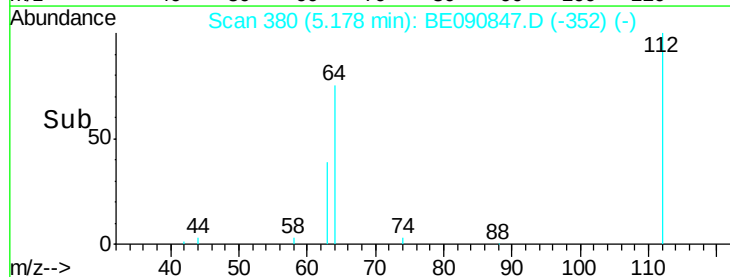
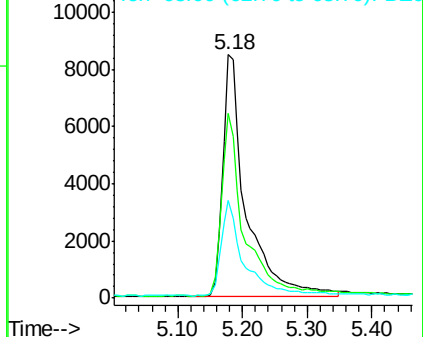
#4

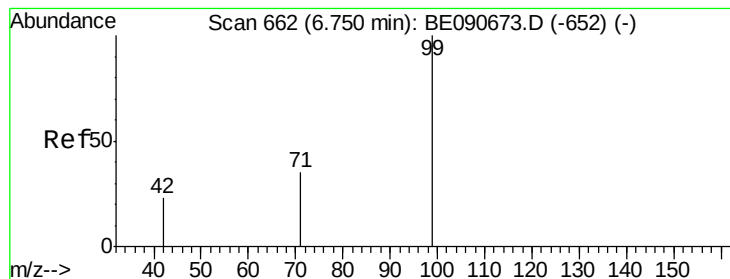
2-Fluorophenol
 Concen: 3.60 ng
 RT: 5.18 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: BE090847.D
 Acq: 16 Sep 2015 17:00

Tgt Ion: 112 Resp: 21334
 Ion Ratio Lower Upper
 112 100
 64 73.4 57.3 85.9
 63 38.8 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: 1.94 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-M

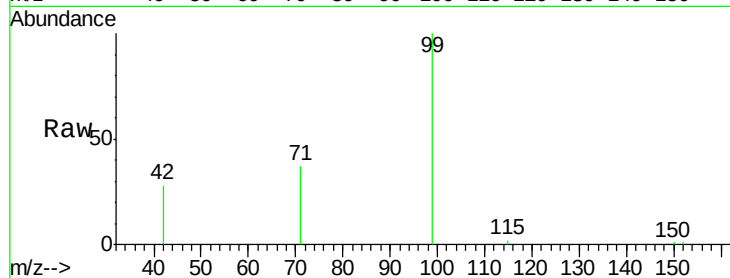
Tot Ion: 99 Resp: 16421

Ion Ratio Lower Upper

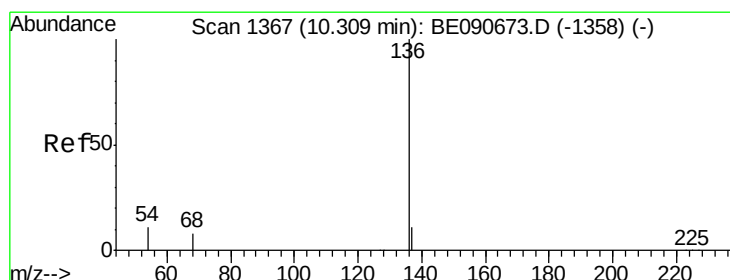
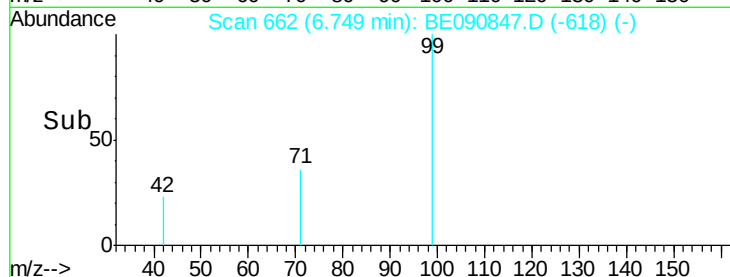
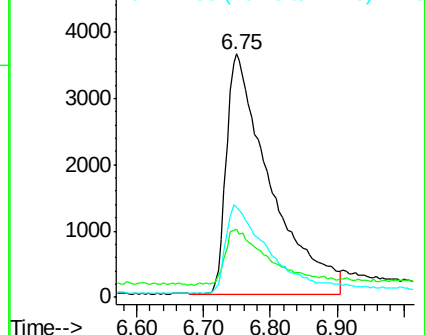
99 100

42 22.6 16.8 25.2

71 35.6 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: BE090847.D

Acq: 16 Sep 2015 17:00

Tgt Ion: 136 Resp: 132278

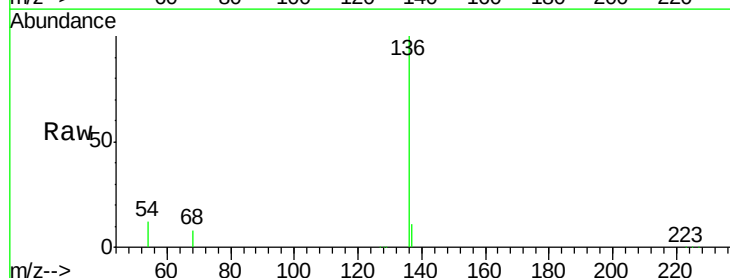
Ion Ratio Lower Upper

136 100

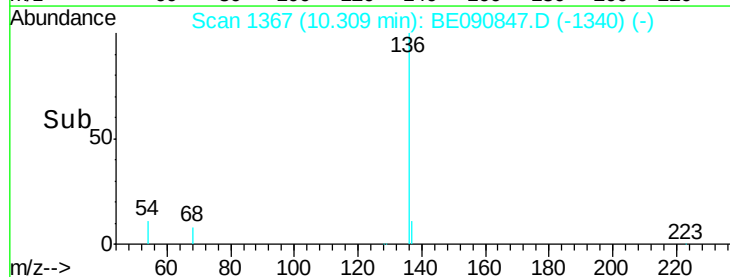
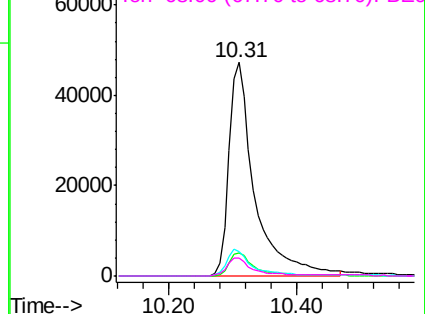
137 11.0 8.7 13.1

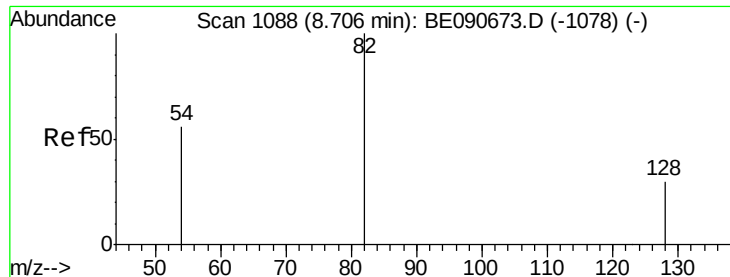
54 11.7 9.0 13.6

68 8.3 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: 3.86 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-M

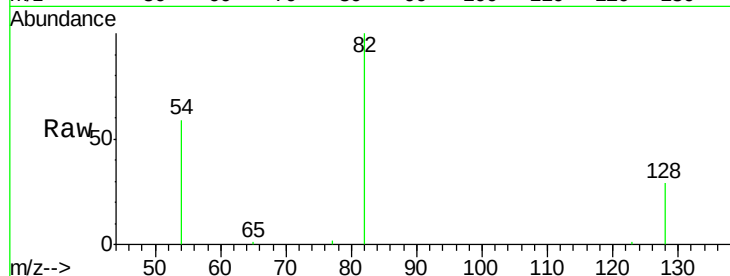
Tot Ion: 82 Resp: 33780

Ion Ratio Lower Upper

82 100

128 28.8 25.0 37.4

54 59.0 46.3 69.5

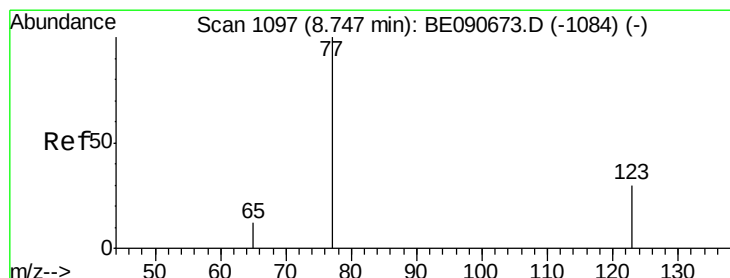
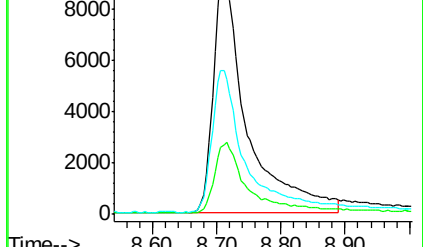
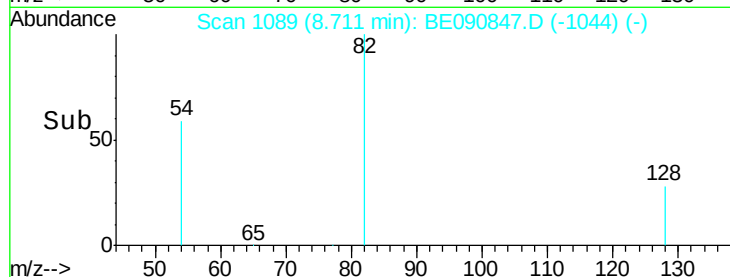


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.76 min Scan# 1099

Delta R.T. 0.01 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

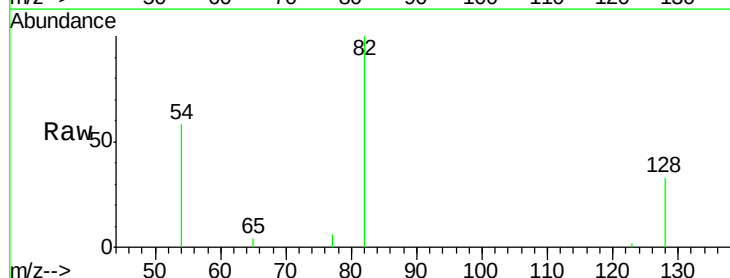
Tgt Ion: 77 Resp: 22

Ion Ratio Lower Upper

77 100

123 4.5 25.1 37.7#

65 31.8 9.9 14.9#

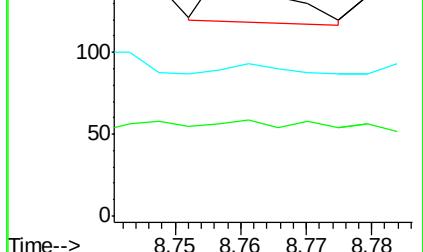
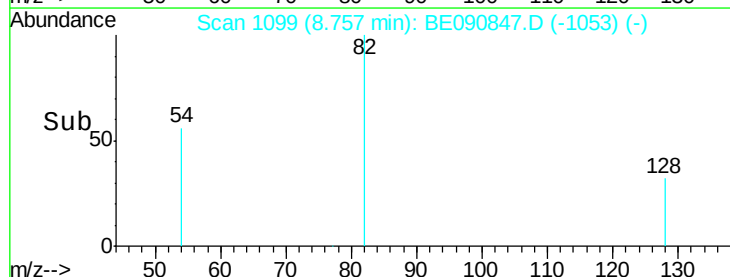


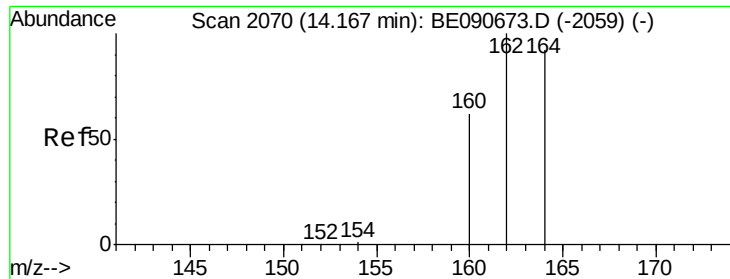
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->

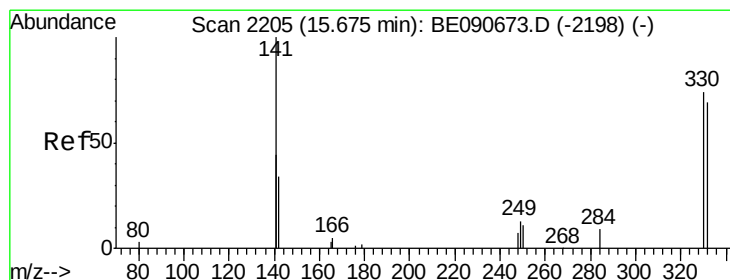
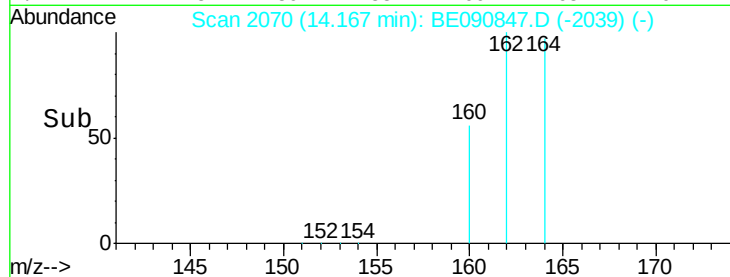
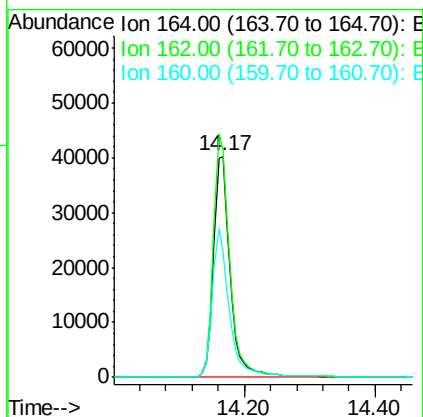
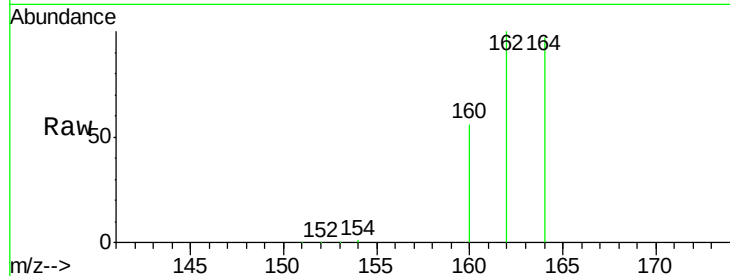




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 2070
Delta R.T. 0.00 min
Lab File: BE090847.D
Acq: 16 Sep 2015 17:00

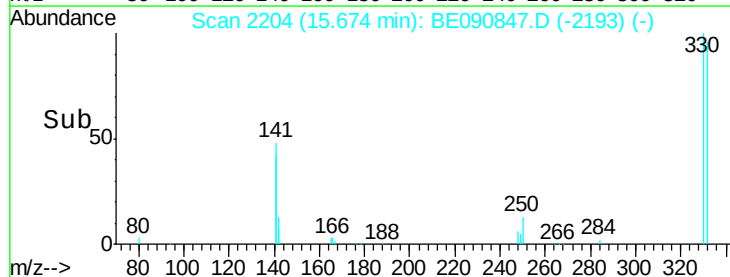
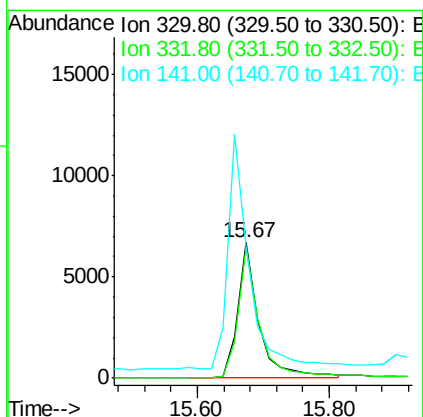
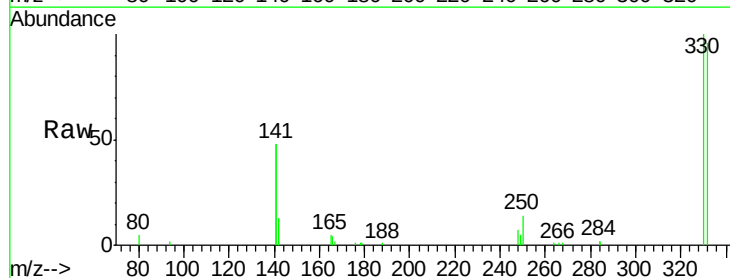
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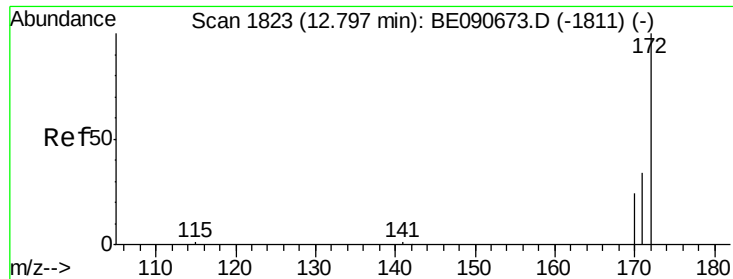
Tot Ion:164 Resp: 71094
Ion Ratio Lower Upper
164 100
162 102.8 86.8 130.2
160 57.2 53.9 80.9



#13
2,4,6-Tribromophenol
Concen: 7.02 ng
RT: 15.67 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE090847.D
Acq: 16 Sep 2015 17:00

Tgt Ion:330 Resp: 14611
Ion Ratio Lower Upper
330 100
332 96.1 74.9 112.3
141 180.7 145.2 217.8

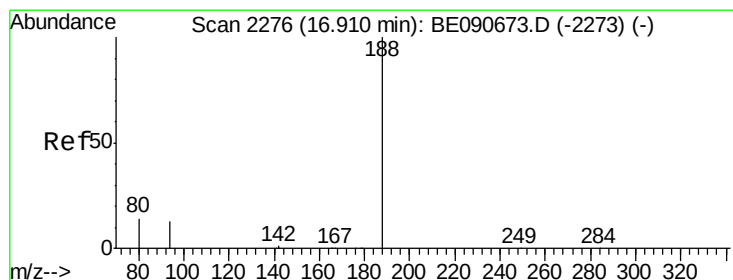
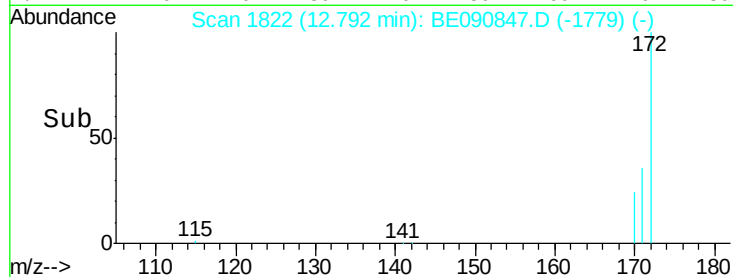
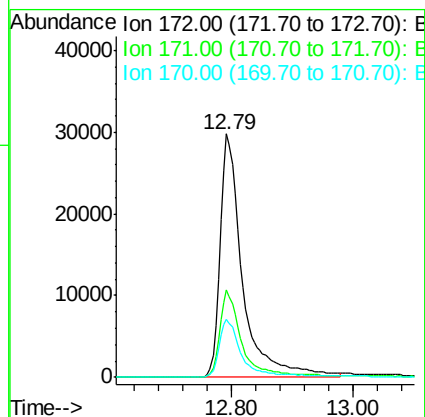
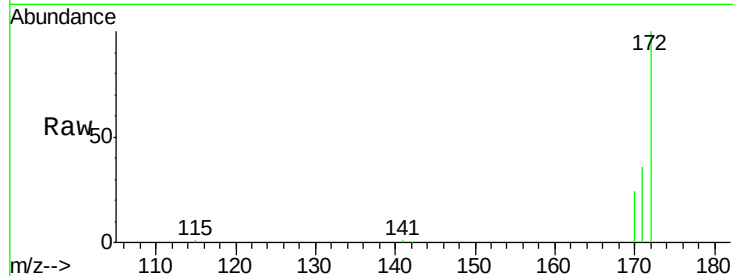




#14
2-Fluorobiphenyl
Concen: 3.88 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BE090847.D
Acq: 16 Sep 2015 17:00

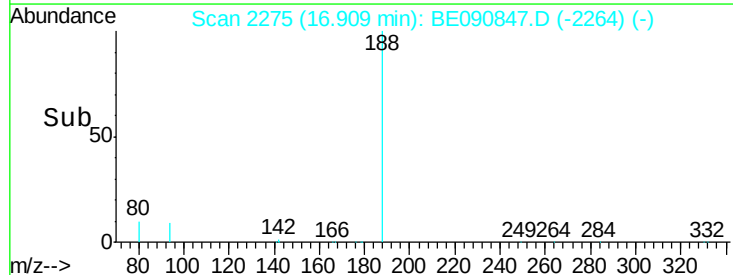
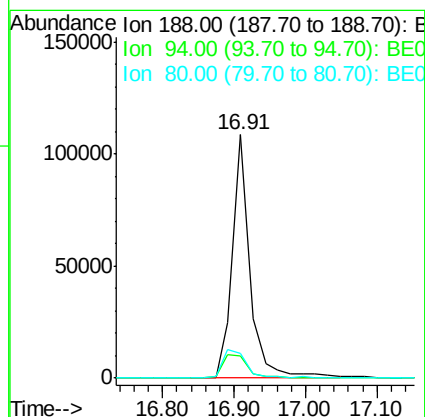
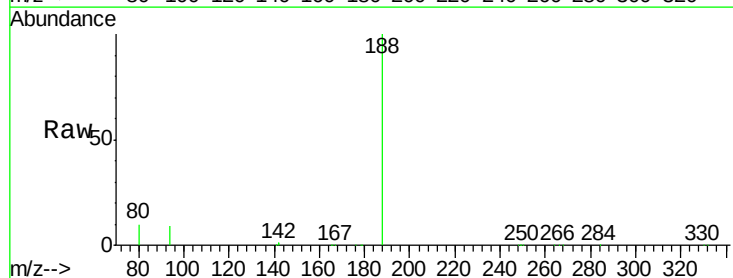
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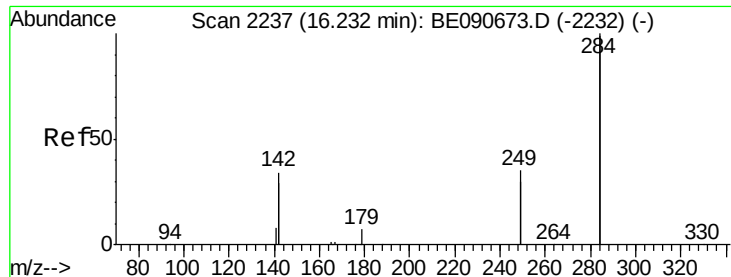
Tot Ion:172 Resp: 76363
Ion Ratio Lower Upper
172 100
171 35.7 27.8 41.8
170 23.9 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090847.D
Acq: 16 Sep 2015 17:00

Tgt Ion:188 Resp: 185566
Ion Ratio Lower Upper
188 100
94 9.2 10.3 15.5#
80 10.0 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.21 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-M

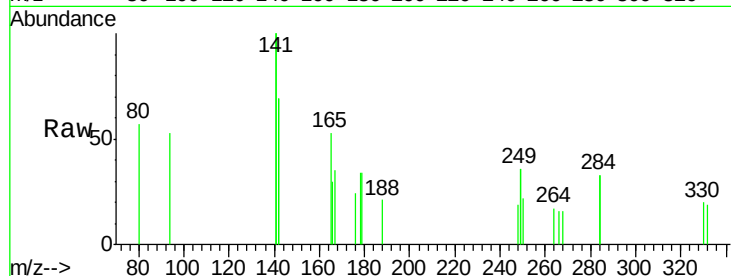
Tot Ion:284 Resp: 50

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

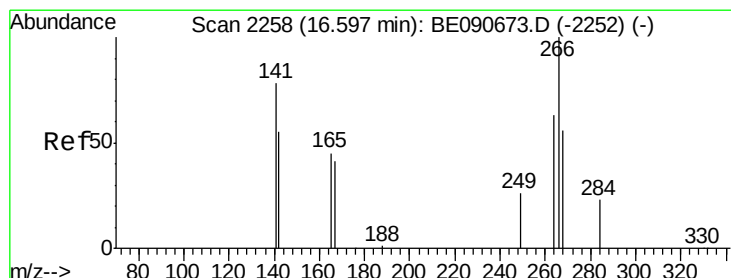
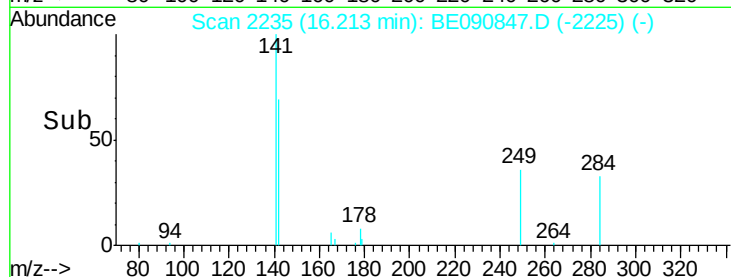
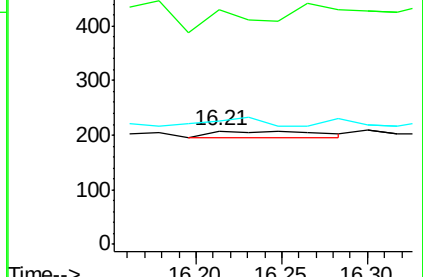
249 92.0 25.5 38.3#



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: 0.48 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

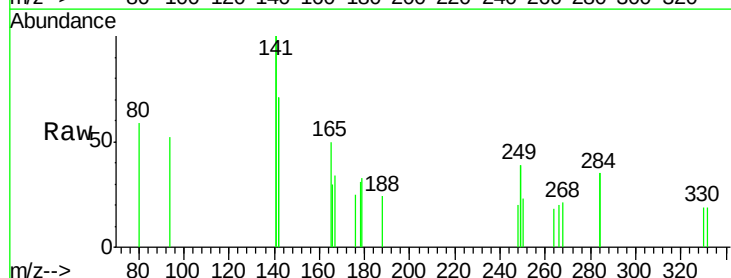
Tgt Ion:266 Resp: 58

Ion Ratio Lower Upper

266 100

268 101.7 49.6 74.4#

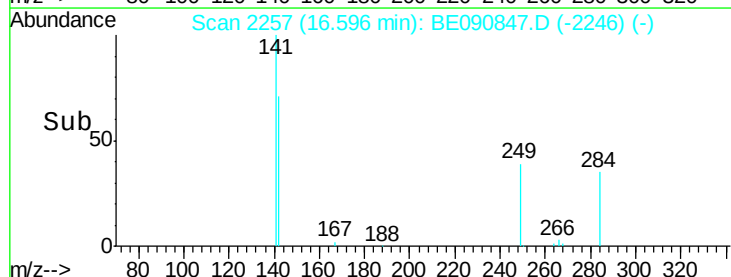
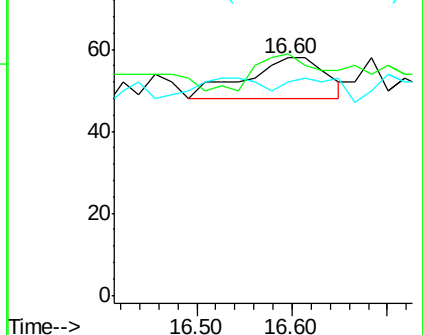
264 89.7 53.9 80.9#

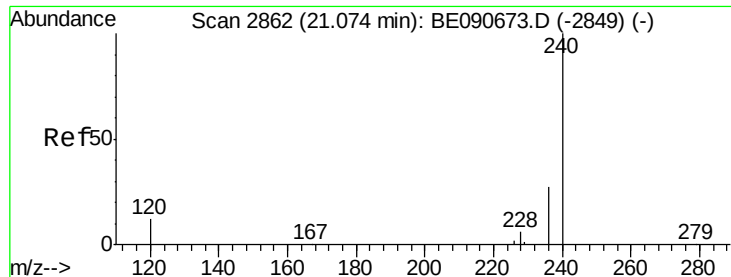


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-M

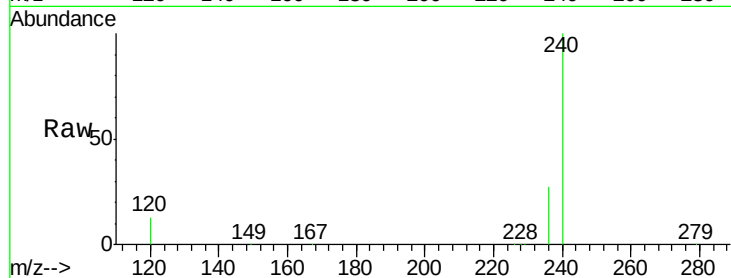
Tot Ion:240 Resp: 240888

Ion Ratio Lower Upper

240 100

120 13.1 10.1 15.1

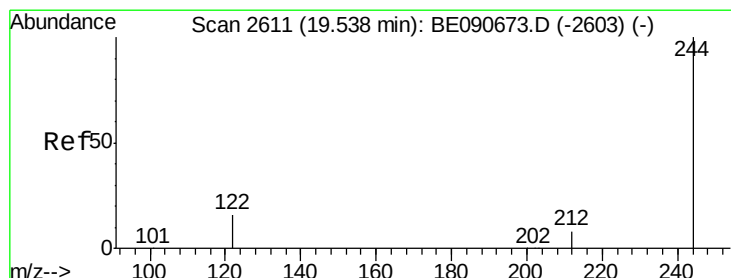
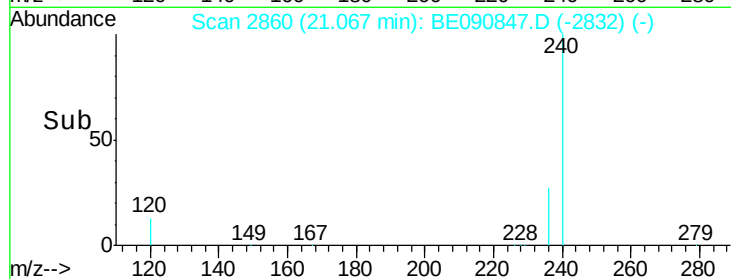
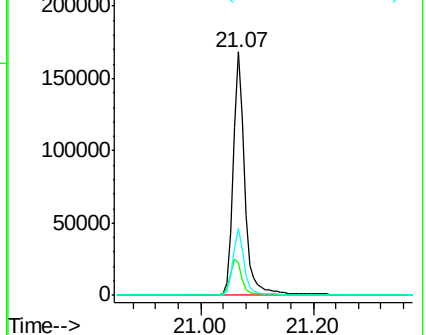
236 27.3 21.9 32.9



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: 5.70 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

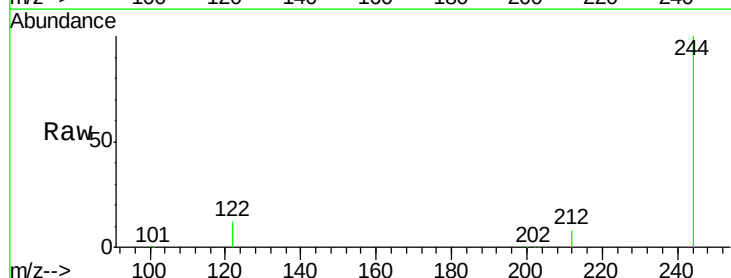
Tgt Ion:244 Resp: 152016

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

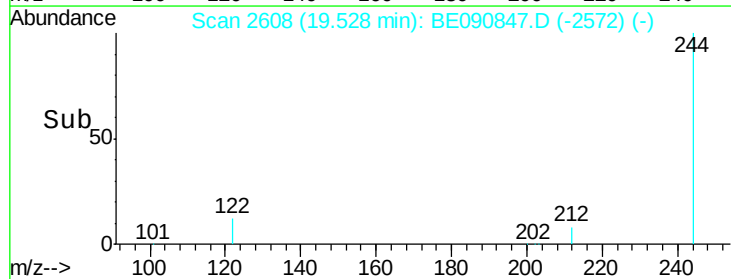
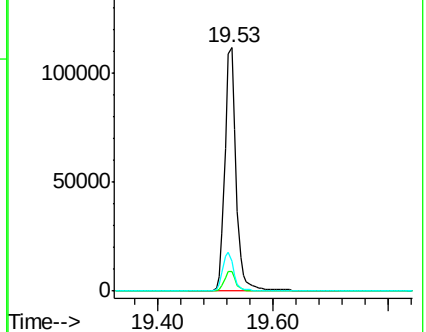
122 12.4 12.9 19.3#

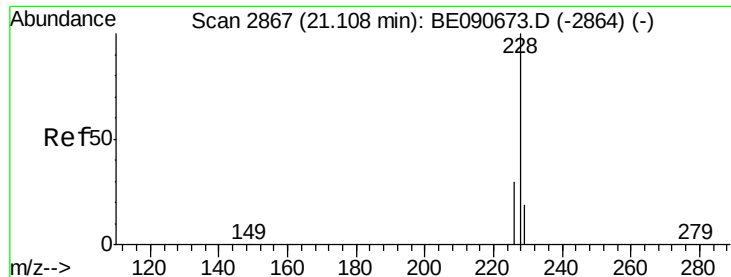


Abundance Ion 244.00 (243.70 to 244.70): E

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: BE090847.D

Acq: 16 Sep 2015 17:00

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-M

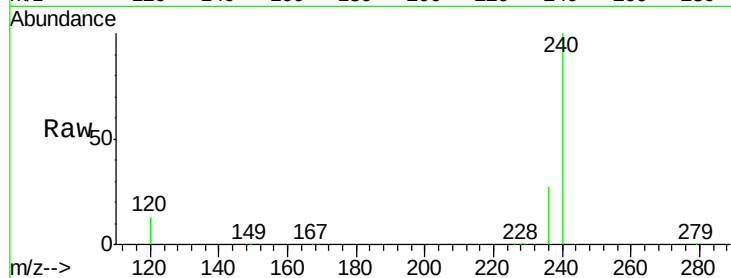
Tot Ion:228 Resp: 814

Ion Ratio Lower Upper

228 100

226 20.7 24.2 36.4#

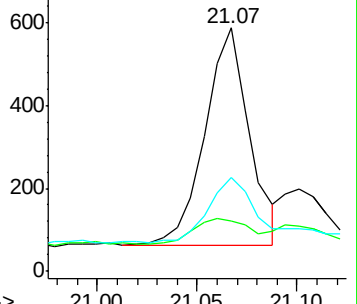
229 38.6 15.3 22.9#



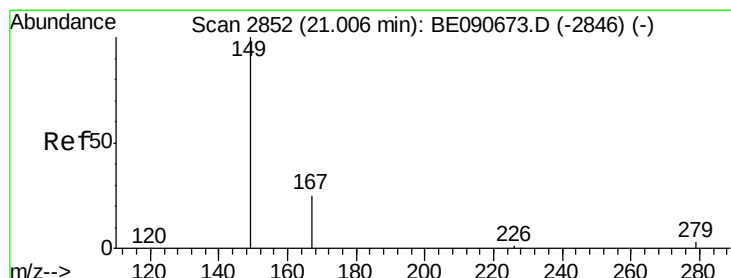
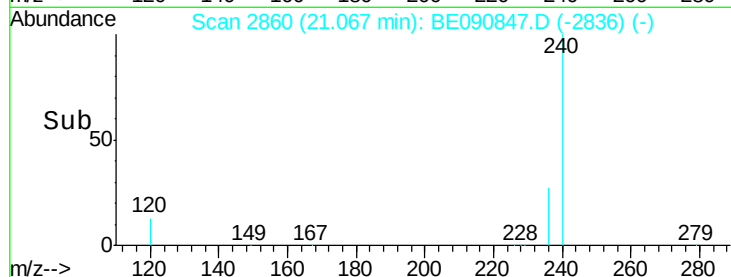
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.18 ng

RT: 20.99 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090847.D

Acq: 16 Sep 2015 17:00

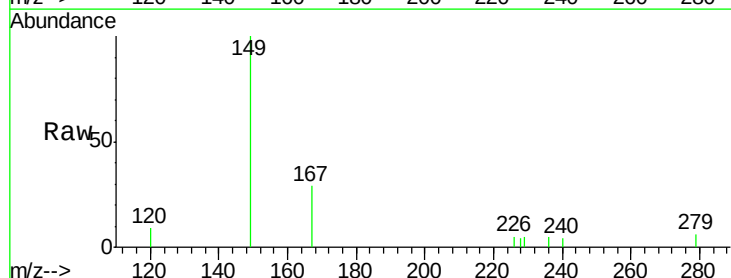
Tgt Ion:149 Resp: 1556

Ion Ratio Lower Upper

149 100

167 26.4 20.1 30.1

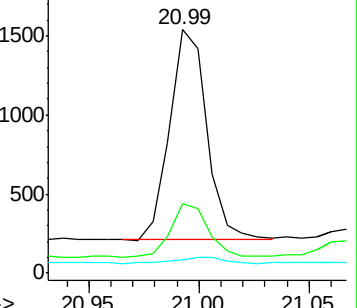
279 3.9 2.3 3.5#



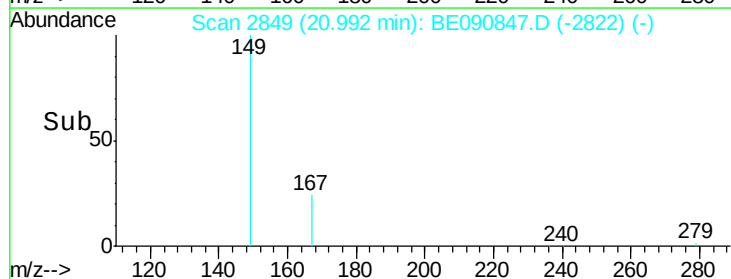
Abundance Ion 149.00 (148.70 to 149.70): E

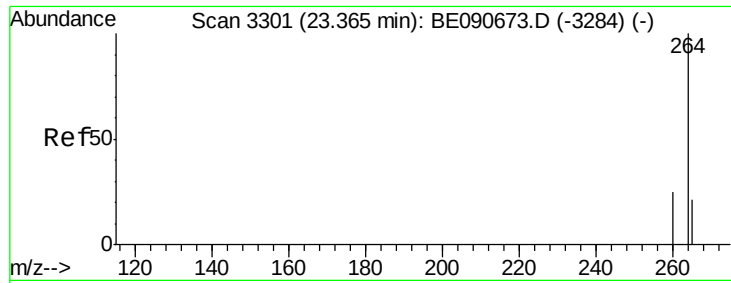
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

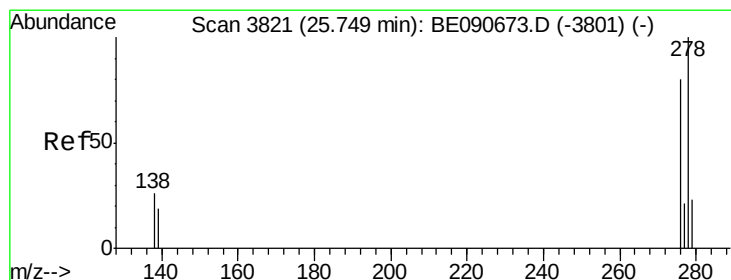
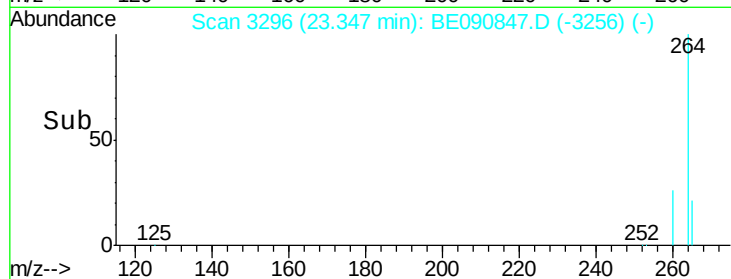
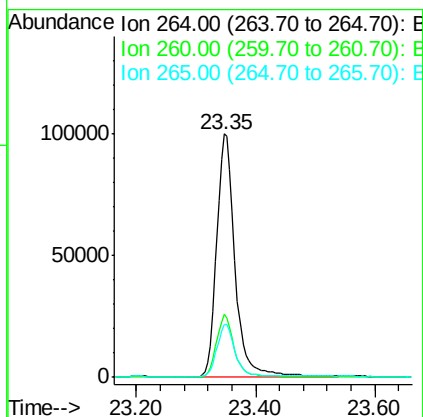
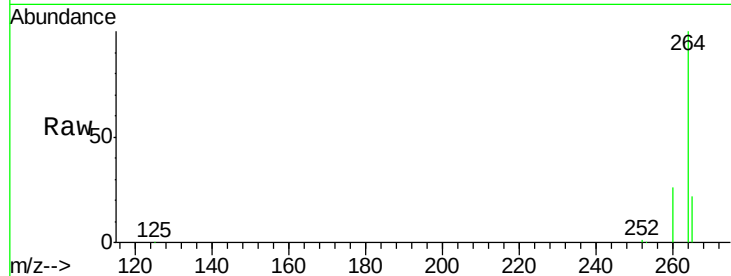




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3296
Delta R.T. -0.02 min
Lab File: BE090847.D
Acq: 16 Sep 2015 17:00

Instrument :
BNA_E
ClientSampleId :
091415-D534-F-D-M

Tot Ion:264 Resp: 215698
Ion Ratio Lower Upper
264 100
260 25.7 19.7 29.5
265 21.6 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.75 min Scan# 3820
Delta R.T. 0.00 min
Lab File: BE090847.D
Acq: 16 Sep 2015 17:00

Tgt Ion:278 Resp: 37
Ion Ratio Lower Upper
278 100
139 114.3 15.4 23.0#
279 103.6 18.8 28.2#

