

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081115\
 Data File : BE090457.D
 Acq On : 12 Aug 2015 8:49
 Operator : UM/IZ
 Sample : G3136-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 12 11:24:51 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	20821	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	96082	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	54636	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	127688	5.00	ng	0.00
25) Chrysene-d12	21.09	240	148935	5.00	ng	0.00
32) Perylene-d12	23.40	264	135020	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	15577	4.99	ng	0.00
5) Phenol-d6	6.77	99	15294	2.44	ng	0.00
7) Nitrobenzene-d5	8.73	82	28034	3.64	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	16674	9.27	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	66549	4.43	ng	0.00
27) Terphenyl-d14	19.55	244	122667	5.59	ng	-0.01

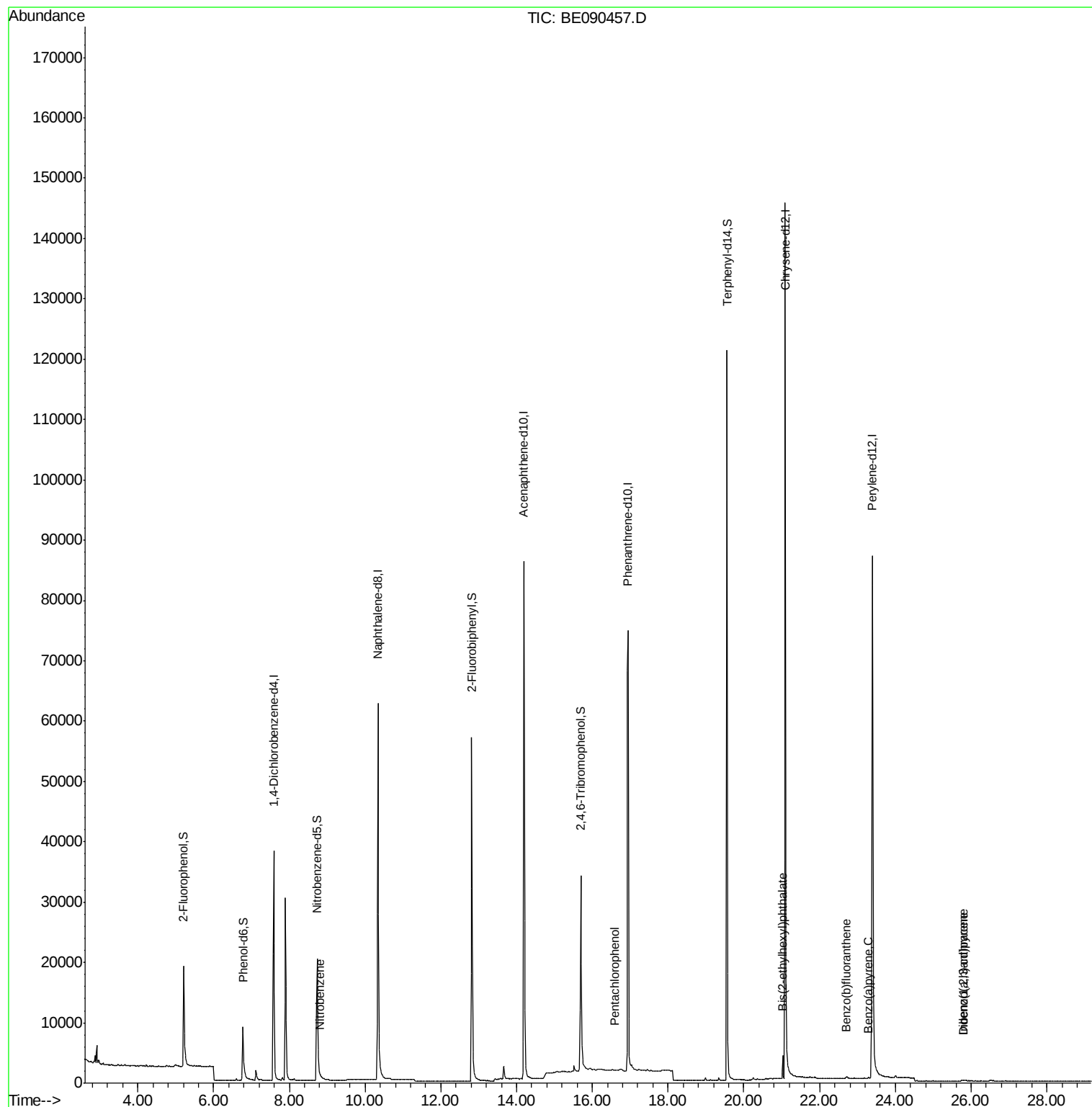
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	92	Below Cal	#	1
8) Nitrobenzene	8.82	77	13	0.21 ng	#	1
10) Hexachlorobutadiene	10.69	225	5	Below Cal	#	48
21) Pentachlorophenol	16.60	266	37	0.14 ng	#	66
30) Bis(2-ethylhexyl)phthalate	21.03	149	3374	0.53 ng	#	98
31) Indeno(1,2,3-cd)pyrene	25.79	276	220	0.26 ng	#	75
33) Benzo(b)fluoranthene	22.71	252	258	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	131	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	174	0.29 ng	#	1

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

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ALS Vial : 27 Sample Multiplier: 1

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Quant Time: Aug 12 11:24:51 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration



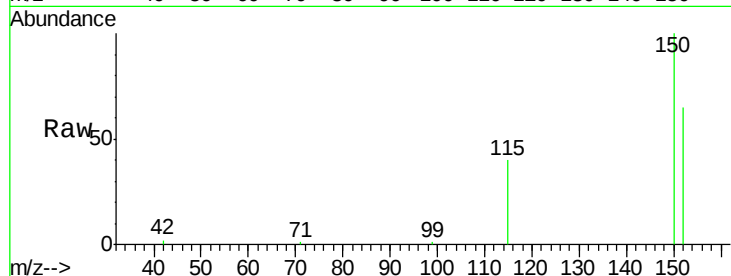


#1

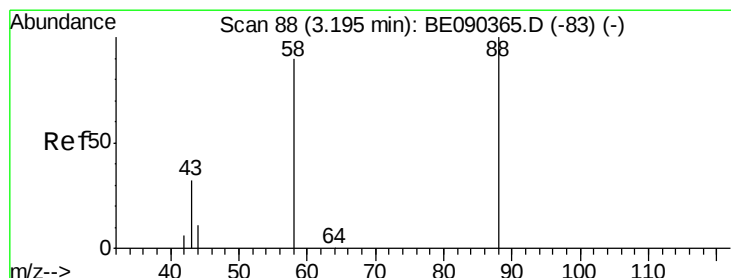
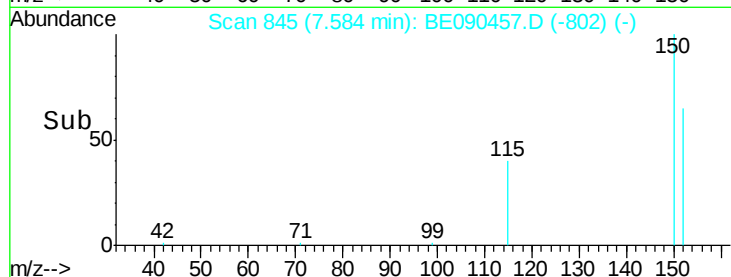
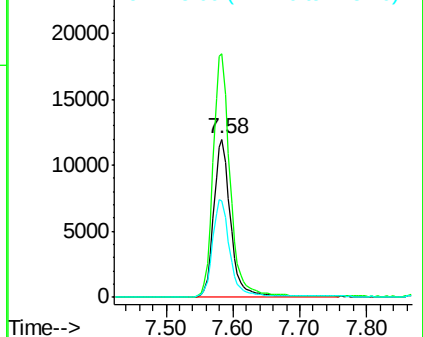
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.00 min
Lab File: BE090457.D
Acq: 12 Aug 2015 8:49

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 20821
Ion Ratio Lower Upper
152 100
150 154.0 123.0 184.4
115 61.2 48.9 73.3



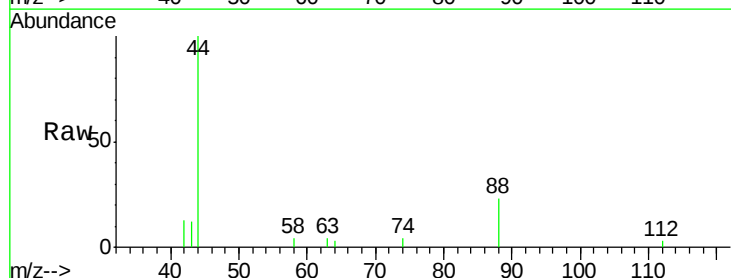
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



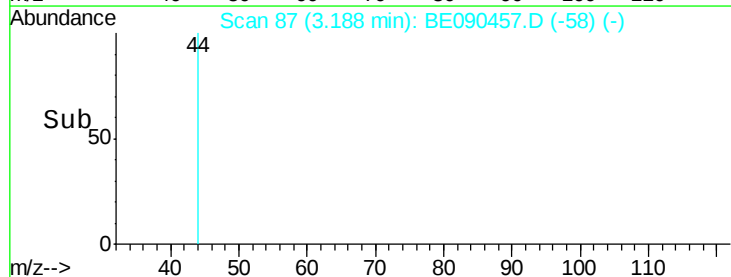
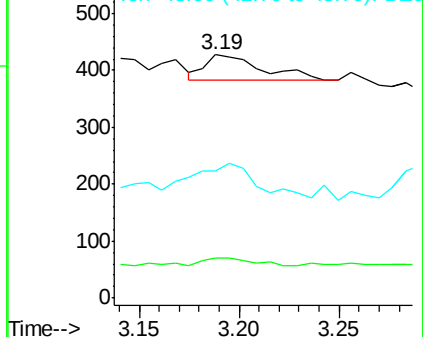
#2

1,4-Dioxane
Concen: Below Cal
RT: 3.19 min Scan# 87
Delta R.T. -0.01 min
Lab File: BE090457.D
Acq: 12 Aug 2015 8:49

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
58 25.0 70.0 105.0#
43 148.9 28.4 42.6#



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





#4

2-Fluorophenol

Concen: 4.99 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

Instrument :

BNA_E

ClientSampled :

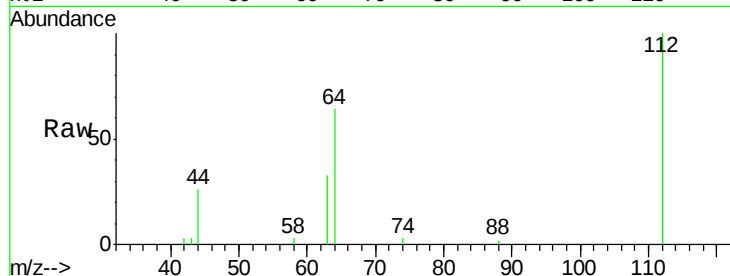
Tot Ion:112 Resp: 15577

Ion Ratio Lower Upper

112 100

64 70.9 37.1 55.7#

63 37.0 19.5 29.3#

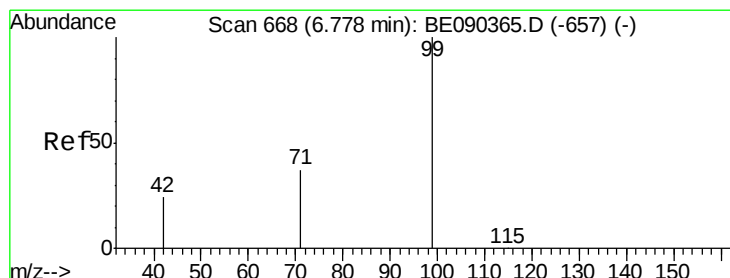
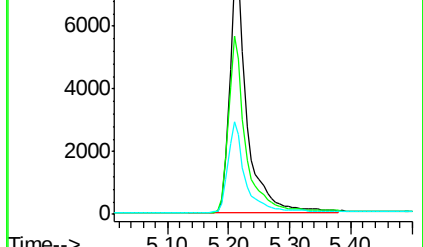
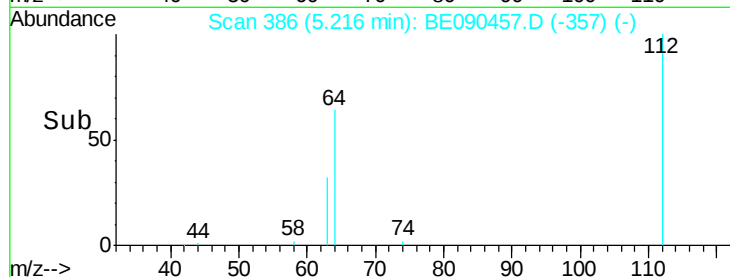


Abundance Ion 112.00 (111.70 to 112.70): BE090365.D (-380) (-)

Ion 64.00 (63.70 to 64.70): BE090365.D (-380) (-)

Ion 63.00 (62.70 to 63.70): BE090365.D (-380) (-)

Time-->



#5

Phenol-d6

Concen: 2.44 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

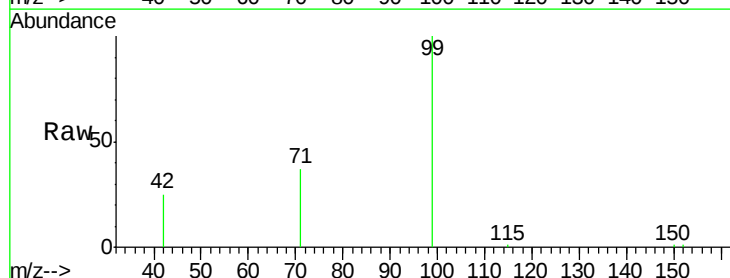
Tgt Ion: 99 Resp: 15294

Ion Ratio Lower Upper

99 100

42 21.3 18.2 27.4

71 35.3 27.4 41.0

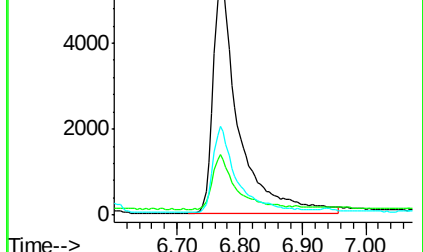
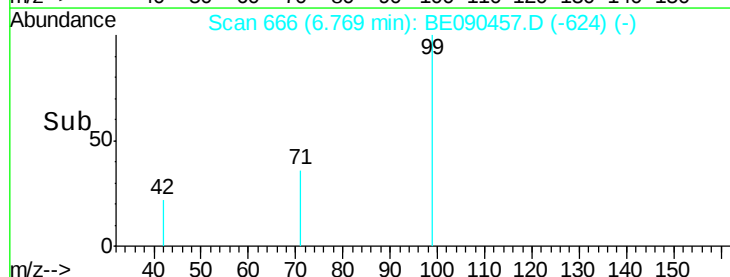


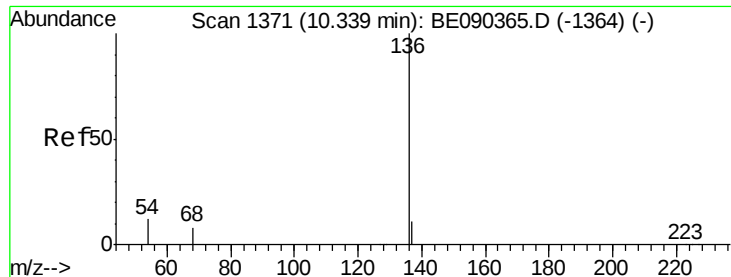
Abundance Ion 99.00 (98.70 to 99.70): BE090365.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BE090365.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BE090365.D (-657) (-)

Time-->





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 96082

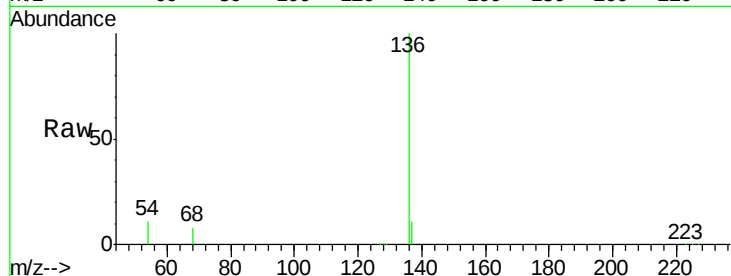
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.2 9.4 14.0

68 8.0 6.5 9.7

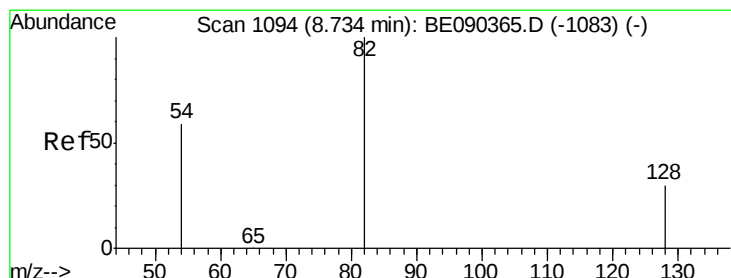
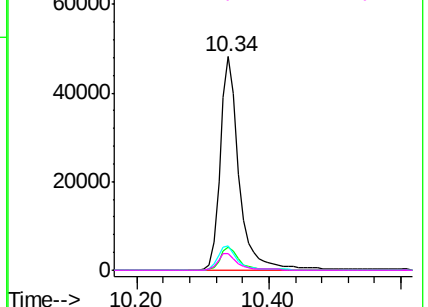
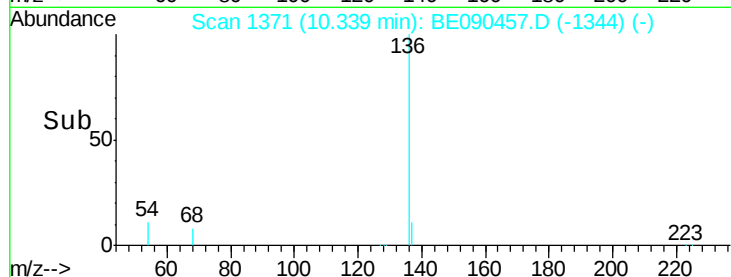


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.64 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

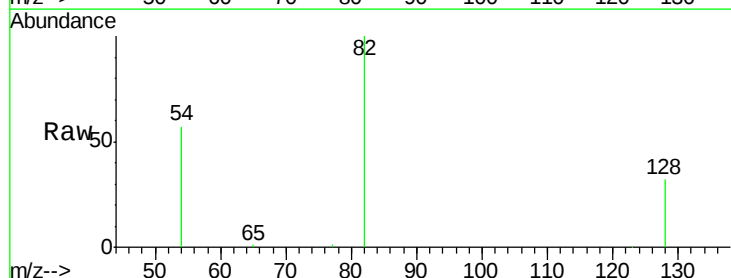
Tgt Ion: 82 Resp: 28034

Ion Ratio Lower Upper

82 100

128 31.7 25.0 37.6

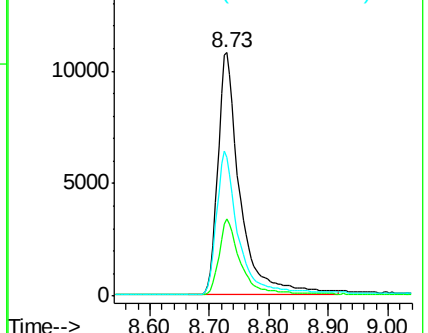
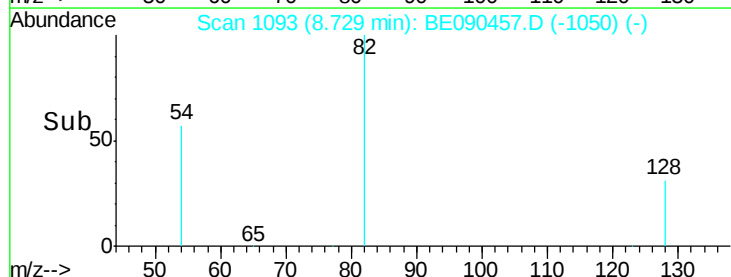
54 57.1 48.8 73.2

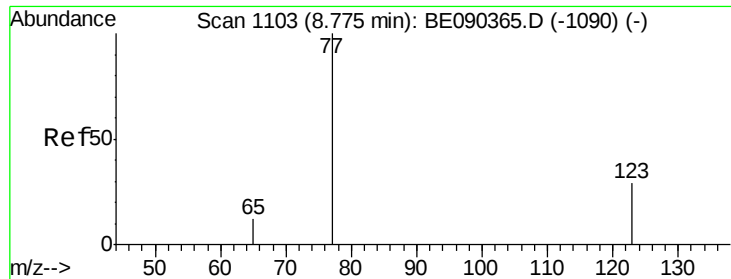


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.82 min Scan# 1112

Delta R.T. 0.04 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

Instrument :

BNA_E

ClientSampleId :

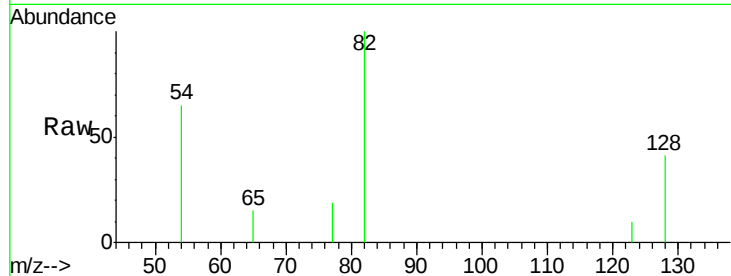
Tot Ion: 77 Resp: 13

Ion Ratio Lower Upper

77 100

123 7.7 25.1 37.7#

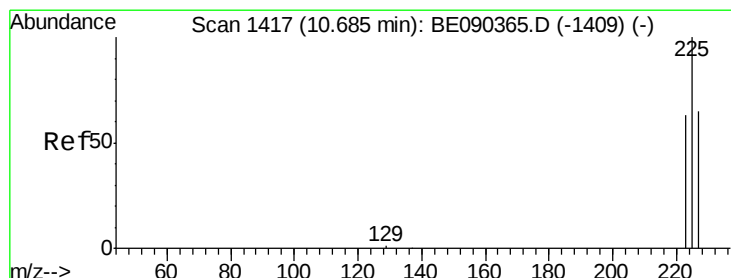
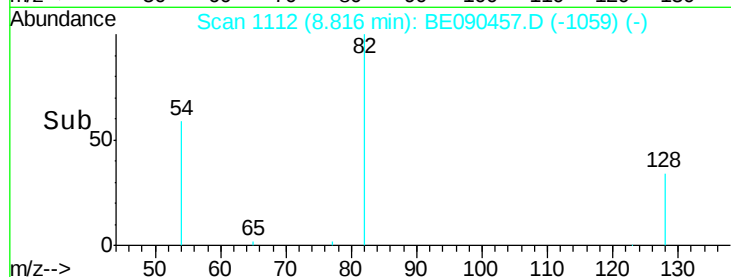
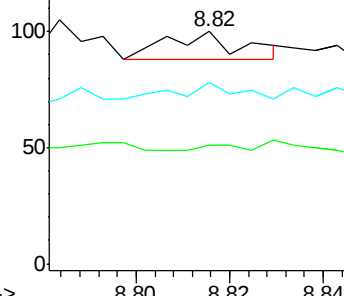
65 115.4 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE090365.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090365.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090365.D (-1090) (-)



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.69 min Scan# 1418

Delta R.T. 0.01 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

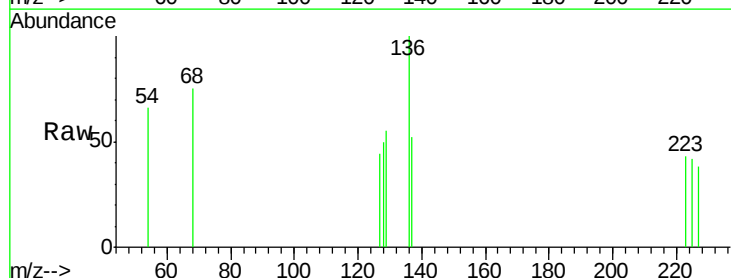
Tgt Ion: 225 Resp: 5

Ion Ratio Lower Upper

225 100

223 120.0 50.6 75.8#

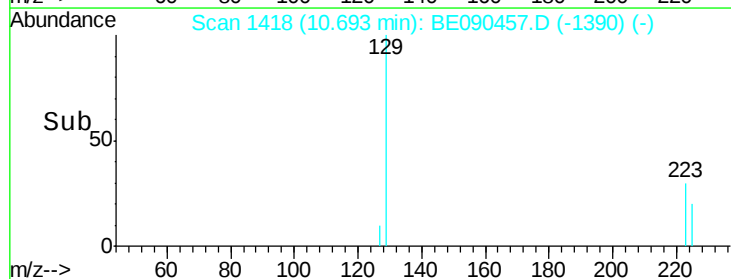
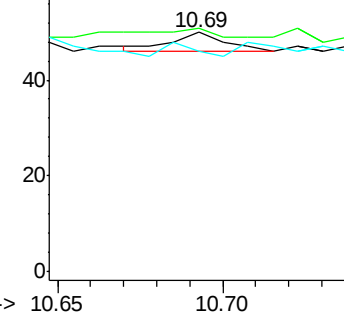
227 40.0 50.7 76.1#

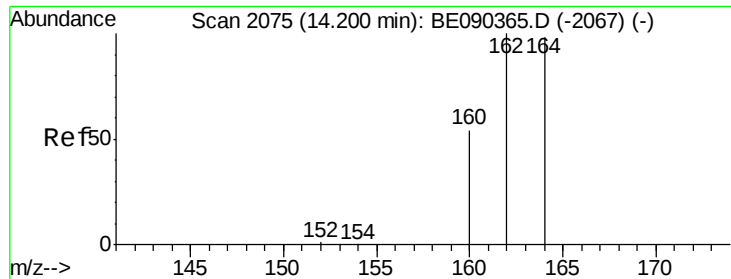


Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

Ion 223.00 (222.70 to 223.70): BE090365.D (-1409) (-)

Ion 227.00 (226.70 to 227.70): BE090365.D (-1409) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

Instrument :

BNA_E

ClientSampled :

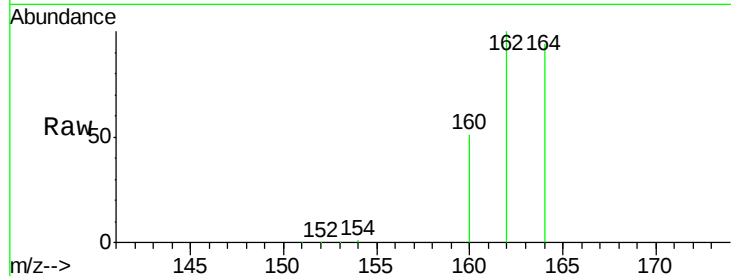
Tot Ion:164 Resp: 54636

Ion Ratio Lower Upper

164 100

162 106.7 81.8 122.8

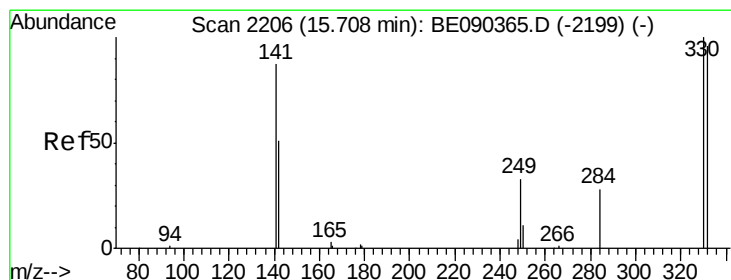
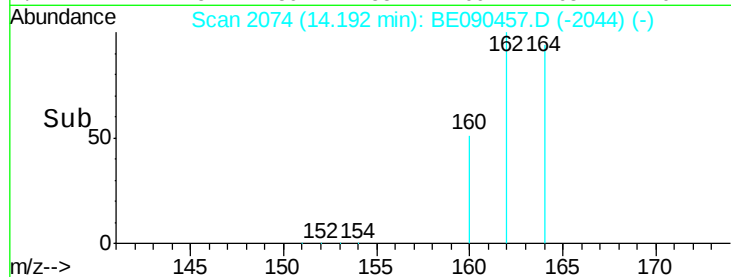
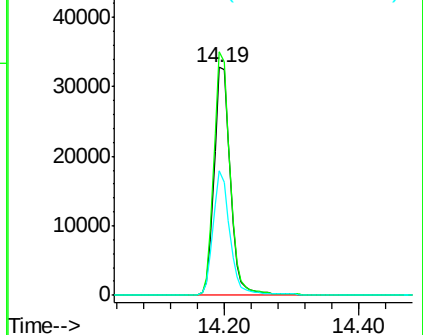
160 54.4 44.2 66.4



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: 9.27 ng

RT: 15.69 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

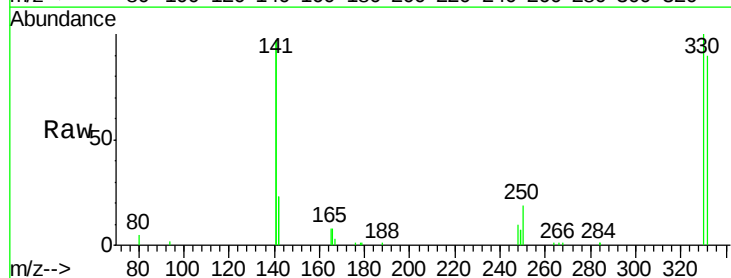
Tgt Ion:330 Resp: 16674

Ion Ratio Lower Upper

330 100

332 96.9 75.8 113.6

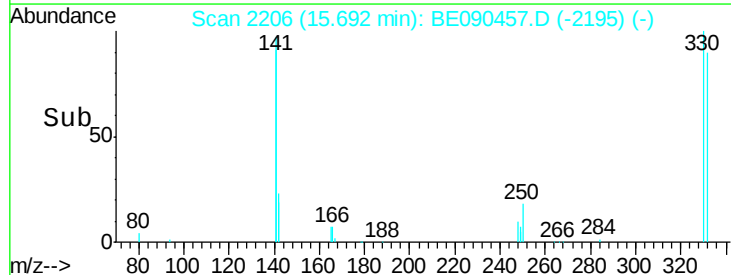
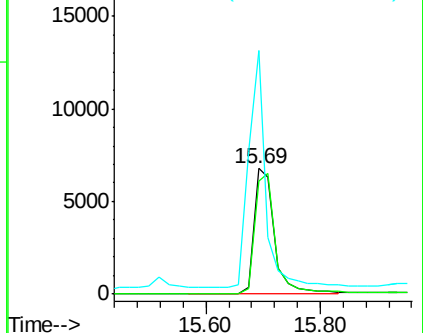
141 160.1 114.4 171.6



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

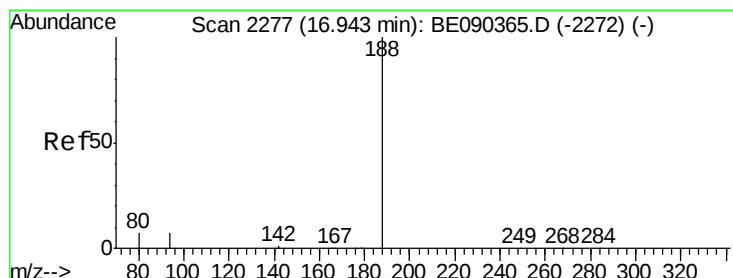
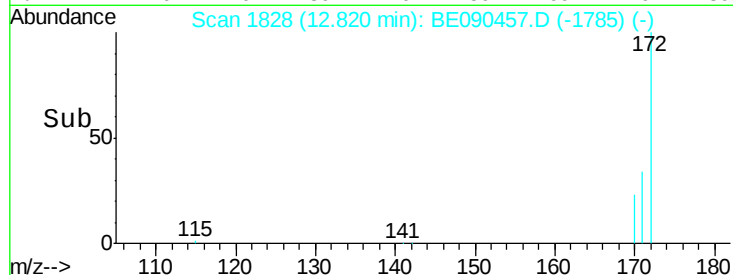
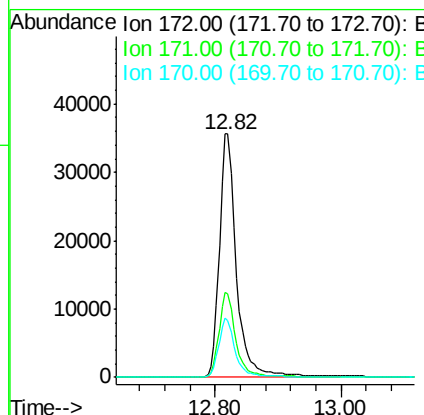
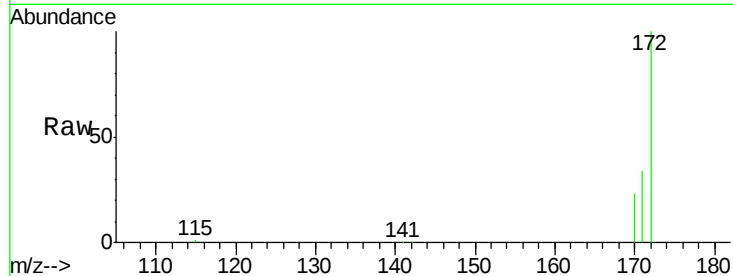




#14
2-Fluorobiphenyl
Concen: 4.43 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090457.D
Acq: 12 Aug 2015 8:49

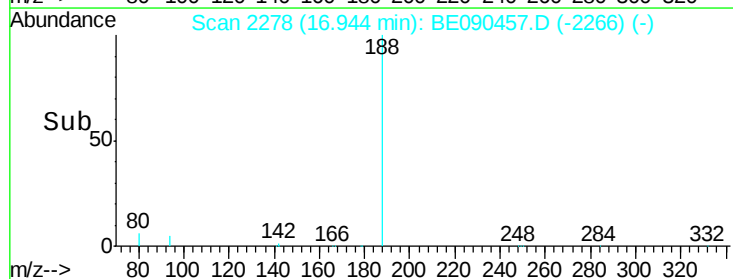
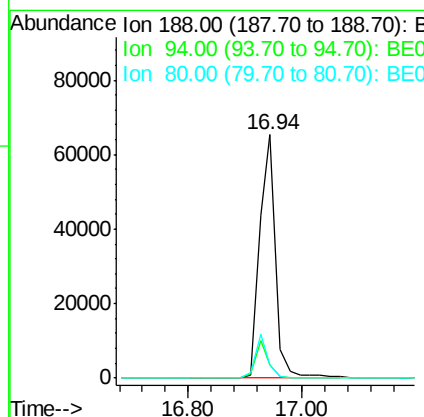
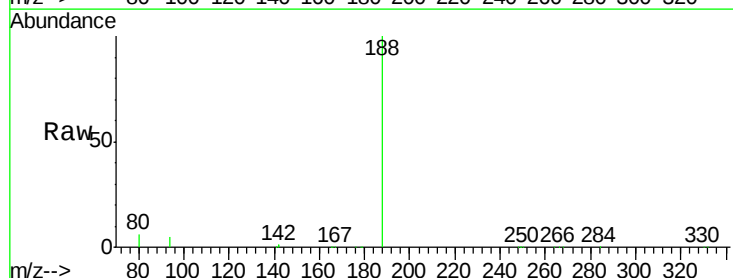
Instrument :
BNA_E
ClientSampleId :

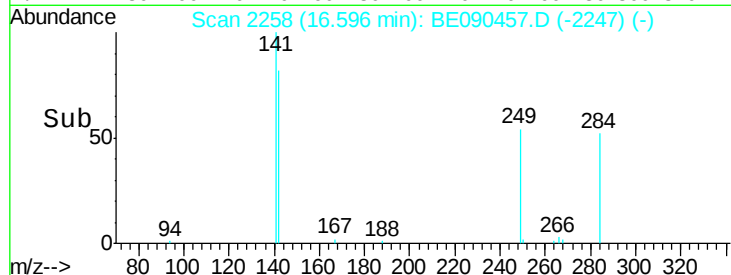
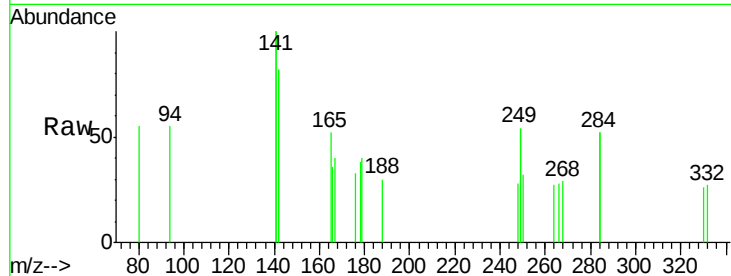
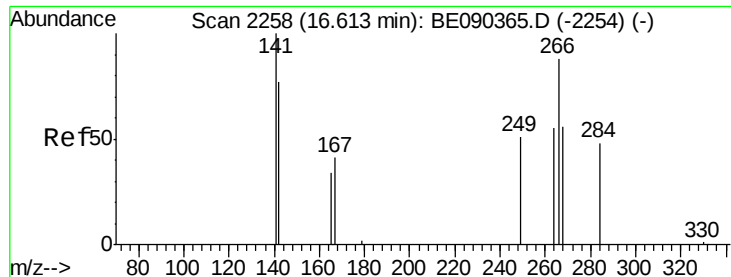
Tot Ion:172 Resp: 66549
Ion Ratio Lower Upper
172 100
171 34.3 28.5 42.7
170 23.5 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090457.D
Acq: 12 Aug 2015 8:49

Tgt Ion:188 Resp: 127688
Ion Ratio Lower Upper
188 100
94 5.5 5.7 8.5#
80 5.7 5.8 8.8#





#21

Pentachlorophenol

Concen: 0.14 ng

RT: 16.60 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

Instrument :

BNA_E

ClientSampleId :

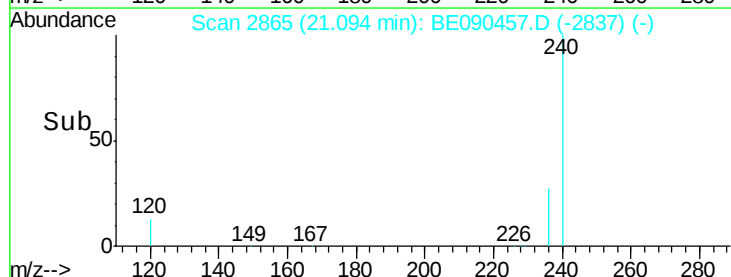
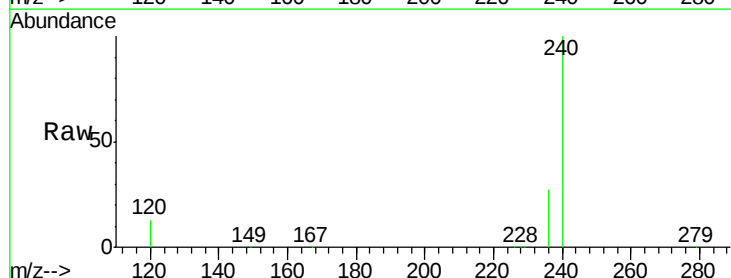
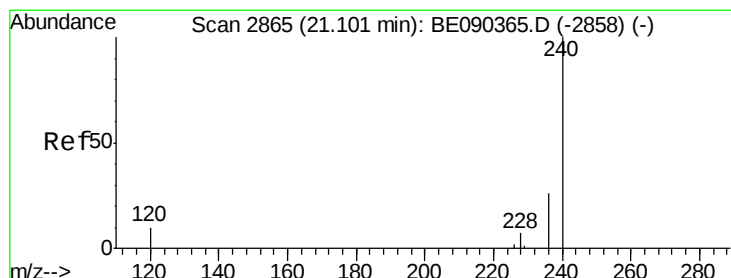
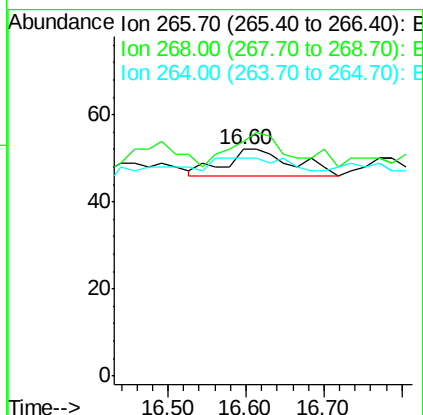
Tot Ion:266 Resp: 37

Ion Ratio Lower Upper

266 100

268 103.8 58.5 87.7#

264 96.2 56.0 84.0#



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

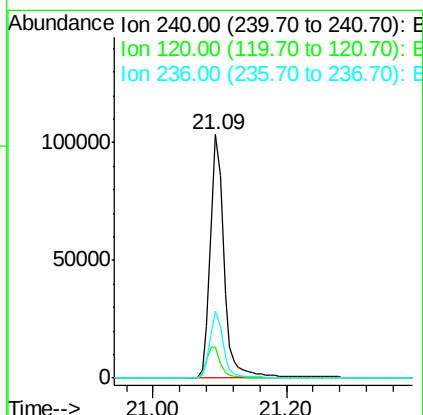
Tgt Ion:240 Resp: 148935

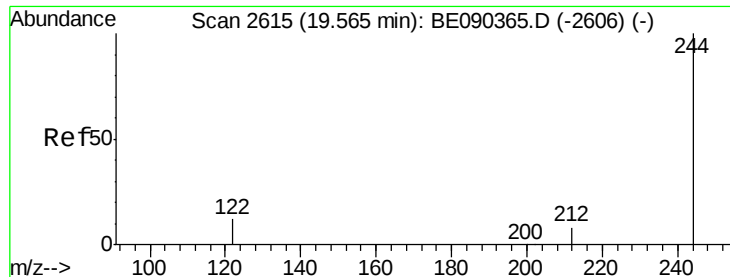
Ion Ratio Lower Upper

240 100

120 12.7 8.3 12.5#

236 27.3 21.0 31.4





#27

Terphenyl-d14

Concen: 5.59 ng

RT: 19.55 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

Instrument :

BNA_E

ClientSampled :

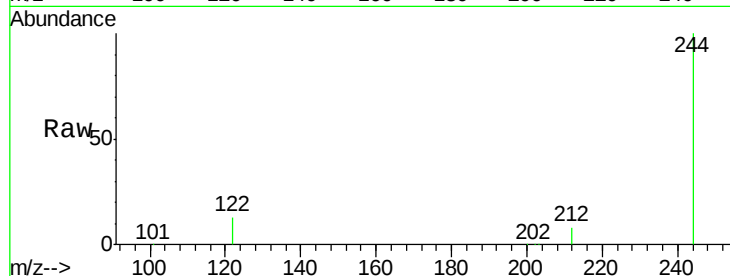
Tot Ion:244 Resp: 122667

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

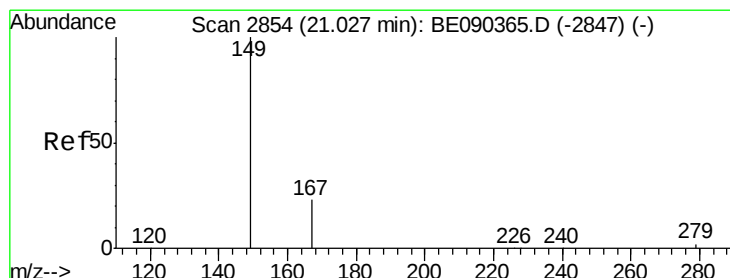
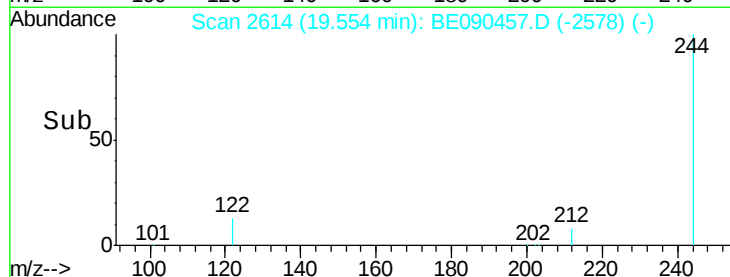
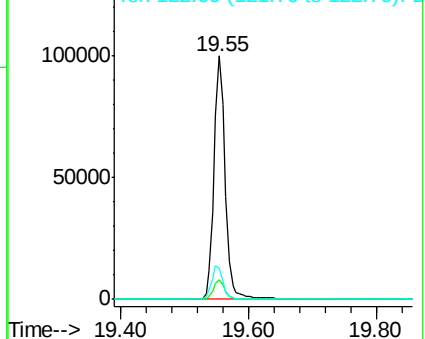
122 12.7 10.2 15.4



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.53 ng

RT: 21.03 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

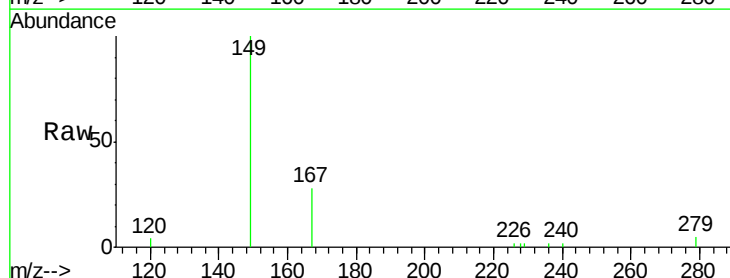
Tgt Ion:149 Resp: 3374

Ion Ratio Lower Upper

149 100

167 23.8 19.8 29.8

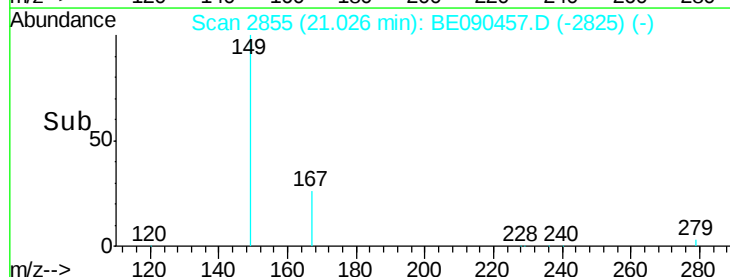
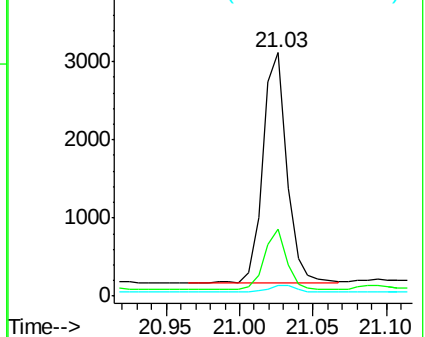
279 3.3 2.4 3.6

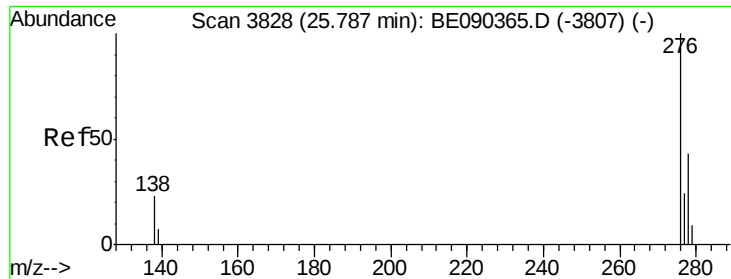


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

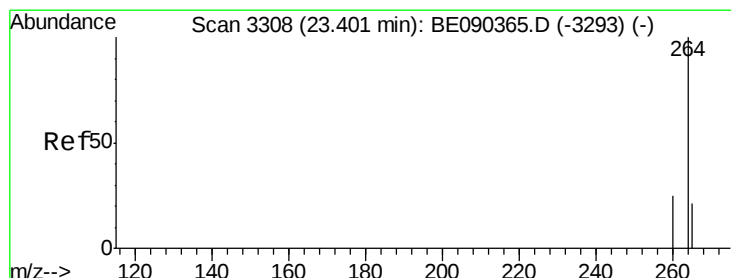
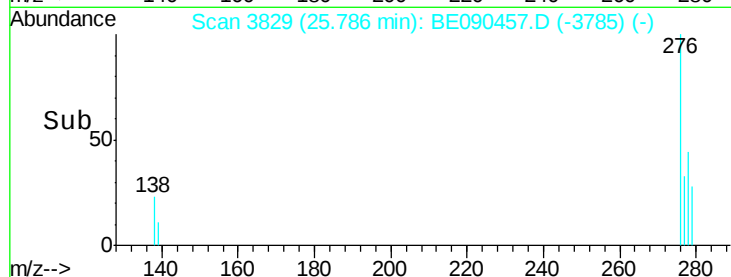
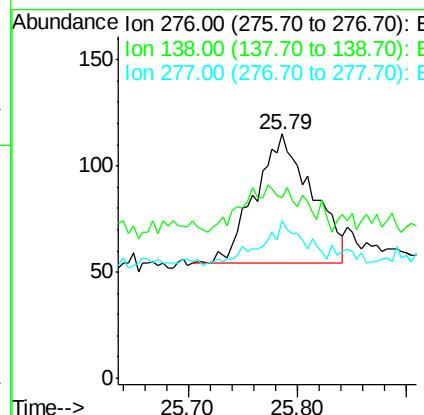
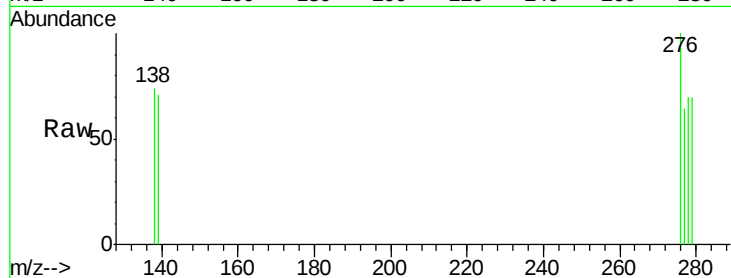




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 25.79 min Scan# 3829
 Delta R.T. 0.00 min
 Lab File: BE090457.D
 Acq: 12 Aug 2015 8:49

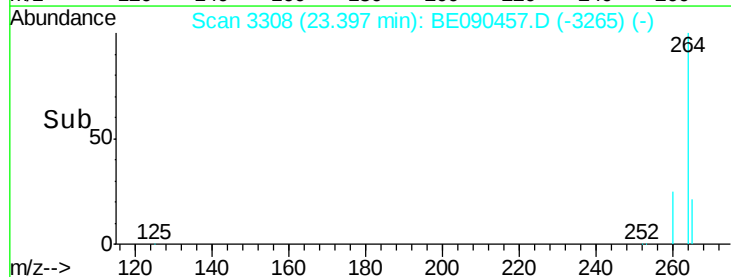
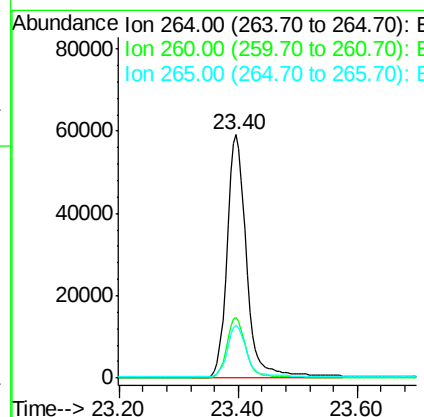
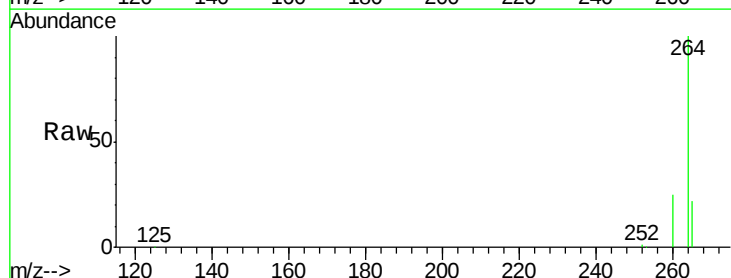
Instrument :
 BNA_E
 ClientSampleId :

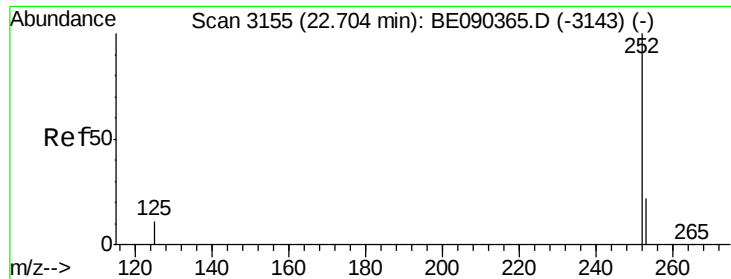
Tot Ion:276 Resp: 220
 Ion Ratio Lower Upper
 276 100
 138 0.0 18.8 28.2#
 277 23.2 18.2 27.4



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BE090457.D
 Acq: 12 Aug 2015 8:49

Tgt Ion:264 Resp: 135020
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.1 30.1
 265 21.9 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.71 min Scan# 3157

Delta R.T. 0.00 min

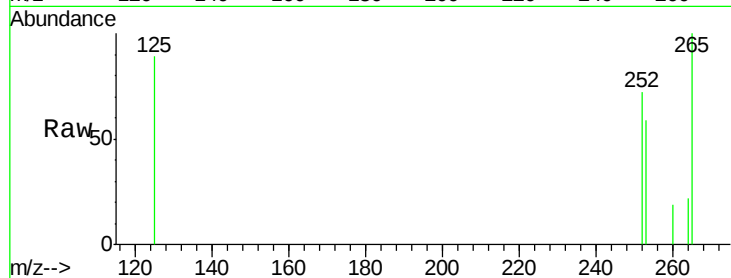
Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

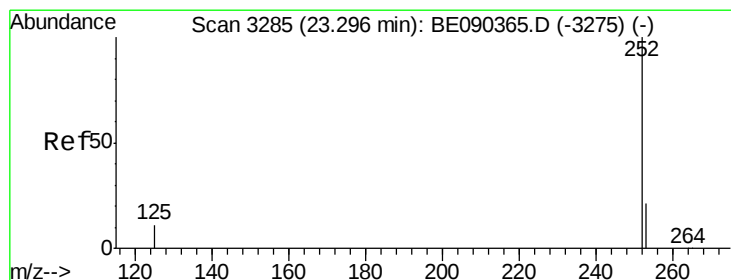
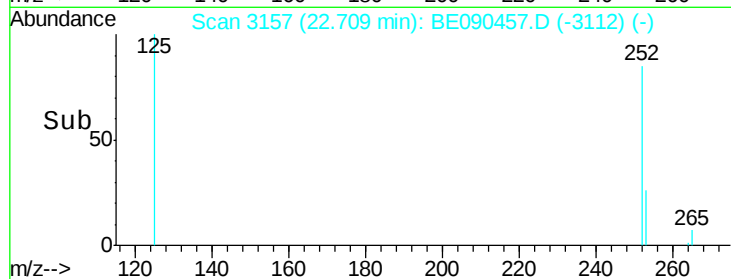
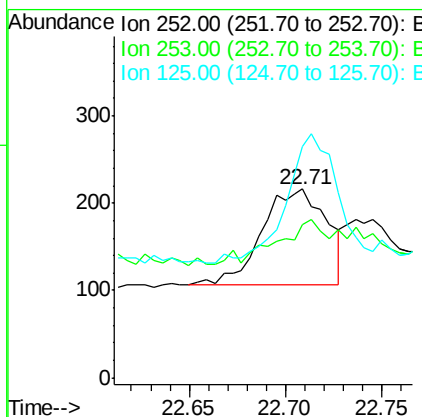
Instrument :

BNA_E

ClientSampleId :



Tot Ion:	252	Resp:	258
Ion	Ratio	Lower	Upper
252	100		
253	81.0	18.1	27.1#
125	122.7	9.4	14.2#



#35

Benzo(a)pyrene

Concen: 0.23 ng

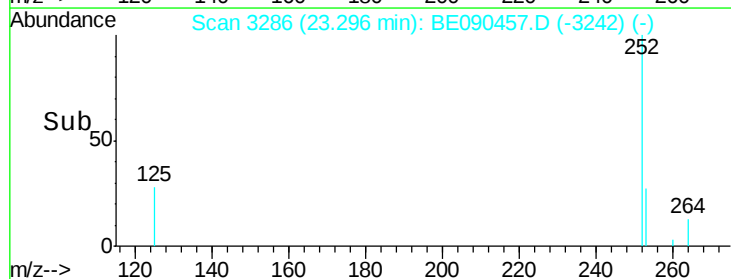
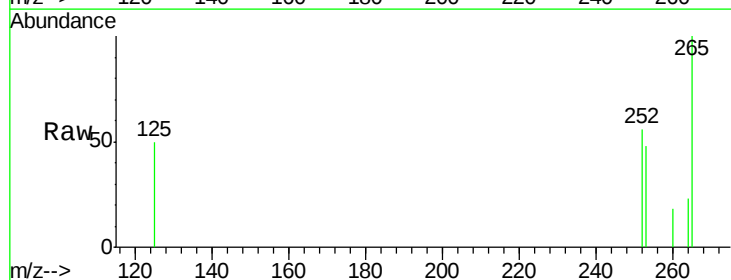
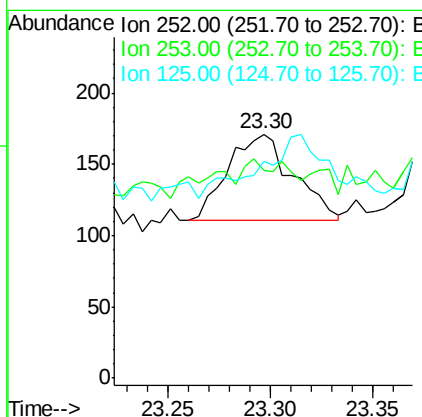
RT: 23.30 min Scan# 3286

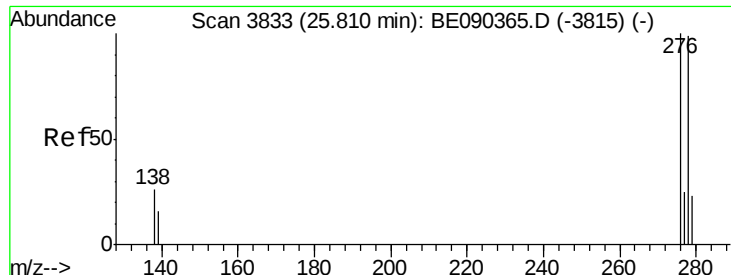
Delta R.T. 0.00 min

Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

Tgt Ion:	252	Resp:	131
Ion	Ratio	Lower	Upper
252	100		
253	85.4	17.6	26.4#
125	88.9	9.8	14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3833

Delta R.T. -0.00 min

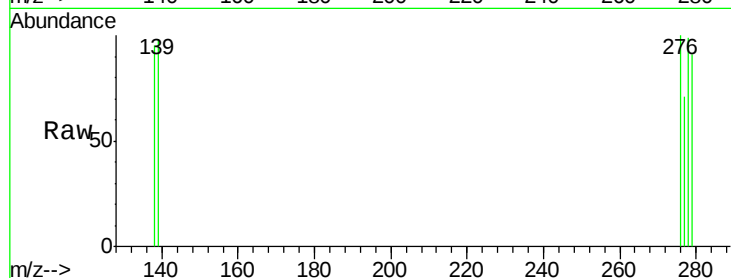
Lab File: BE090457.D

Acq: 12 Aug 2015 8:49

Instrument :

BNA_E

ClientSampleId :



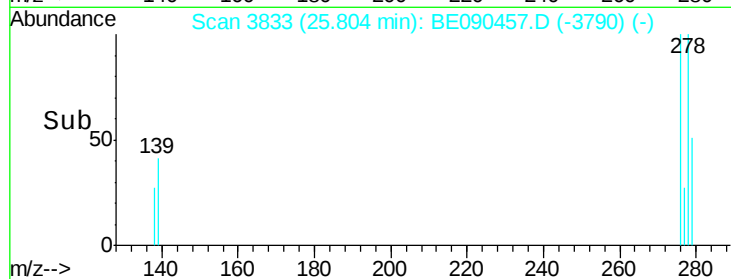
Tot Ion: 278 Resp: 174

Ion Ratio Lower Upper

278 100

139 98.9 14.2 21.4#

279 92.2 20.1 30.1#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

