

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081115\
 Data File : BE090459.D
 Acq On : 12 Aug 2015 10:01
 Operator : UM/IZ
 Sample : G3236-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 12 11:25:13 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	19658	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	90484	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	51631	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	122599	5.00	ng	0.00
25) Chrysene-d12	21.09	240	142426	5.00	ng	0.00
32) Perylene-d12	23.40	264	125967	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	14611	4.95	ng	0.00
5) Phenol-d6	6.77	99	12401	2.13	ng	0.00
7) Nitrobenzene-d5	8.73	82	26717	3.68	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	16156	9.42	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	63061	4.44	ng	0.00
27) Terphenyl-d14	19.55	244	118802	5.66	ng	-0.01

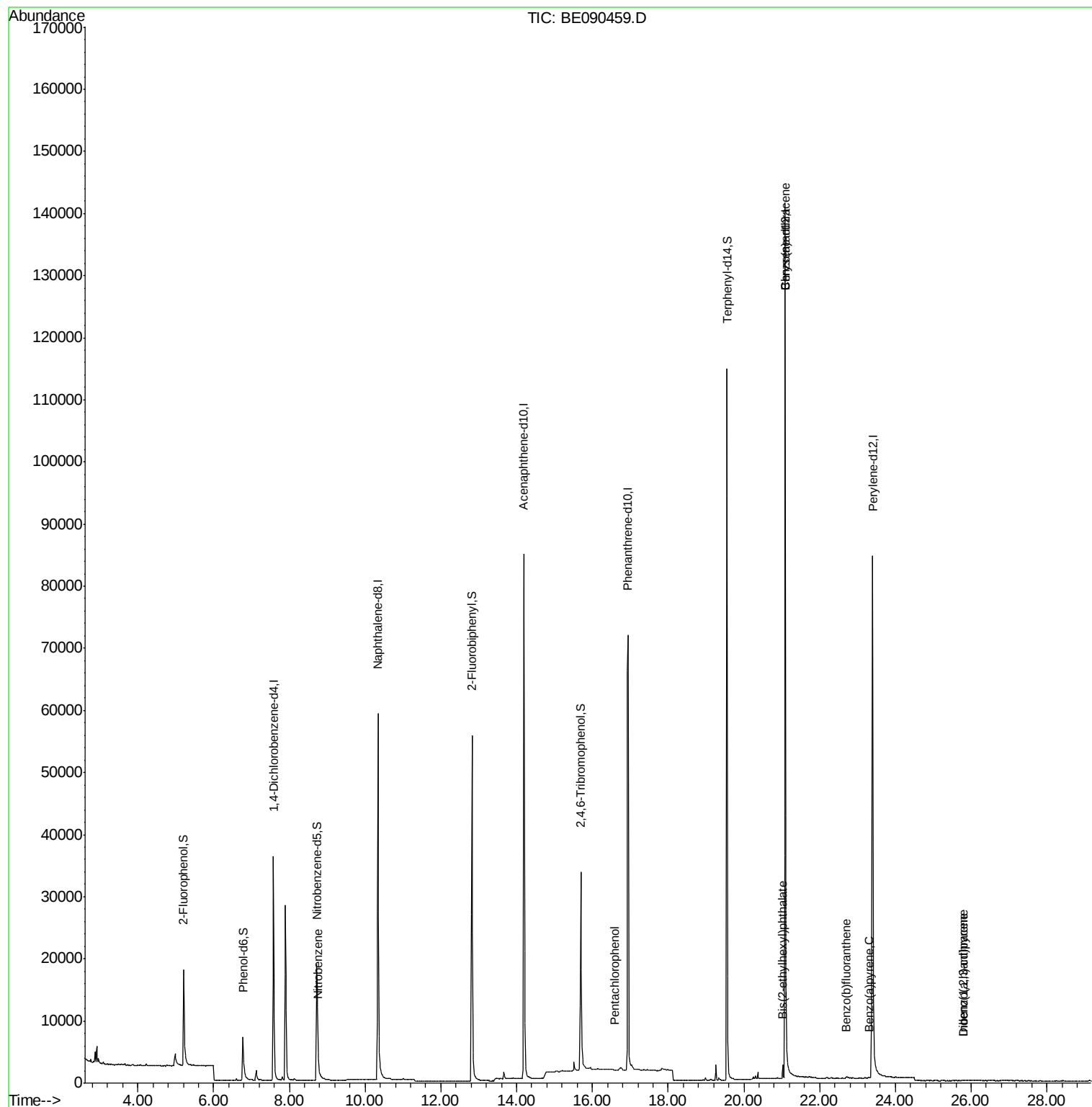
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	89	Below Cal	#	15
8) Nitrobenzene	8.77	77	13	0.21 ng	#	72
10) Hexachlorobutadiene	10.69	225	1	Below Cal	#	19
21) Pentachlorophenol	16.60	266	30	0.13 ng	#	70
28) Benzo(a)anthracene	21.09	228	642	0.02 ng	#	73
30) Bis(2-ethylhexyl)phthalate	21.02	149	2193	0.40 ng		96
31) Indeno(1,2,3-cd)pyrene	25.79	276	221	0.26 ng	#	81
33) Benzo(b)fluoranthene	22.70	252	269	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	188	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	109	0.29 ng	#	1

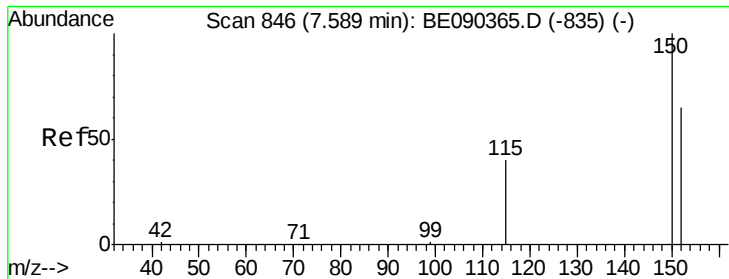
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 12 11:25:13 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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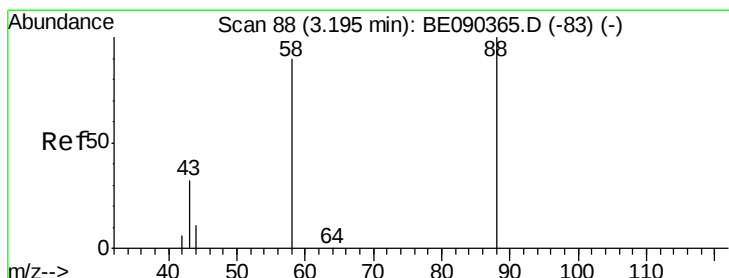
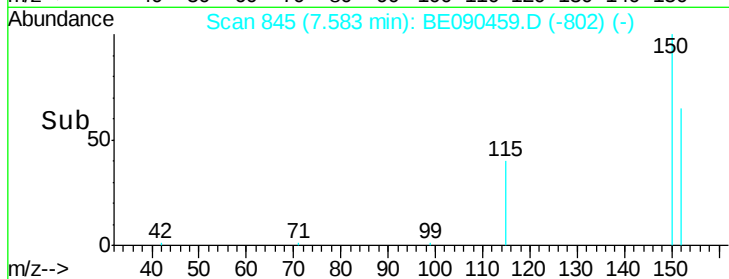
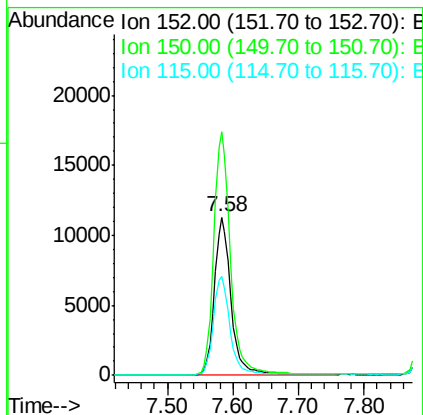
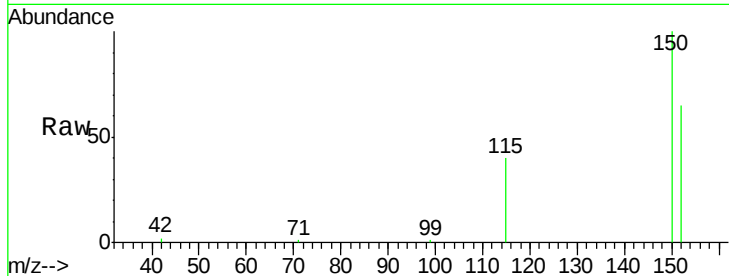


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090459.D
Acq: 12 Aug 2015 10:01

Instrument :
BNA_E
ClientSampleId :

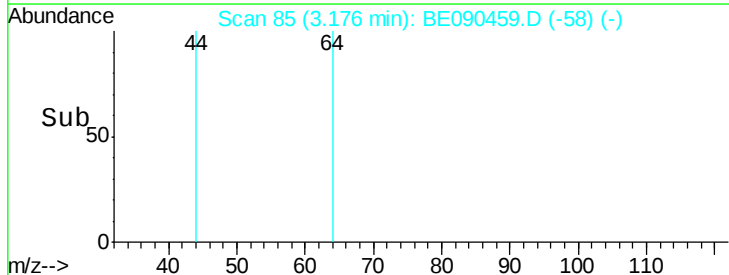
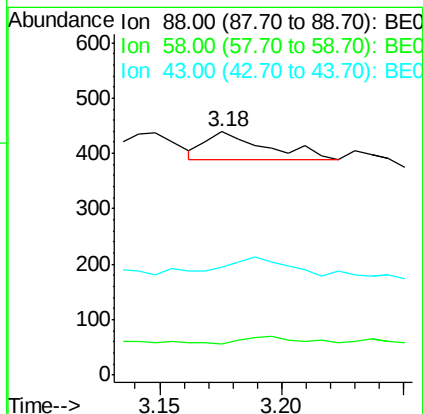
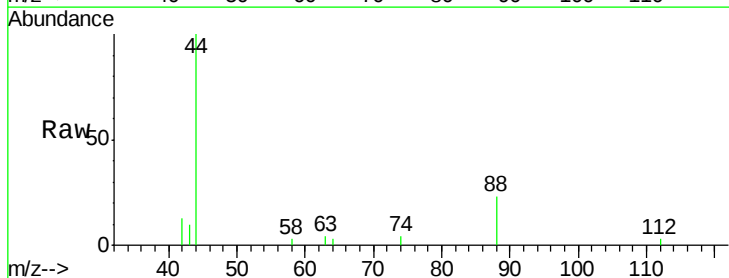
Tot Ion:152 Resp: 19658
Ion Ratio Lower Upper
152 100
150 154.1 123.0 184.4
115 62.3 48.9 73.3

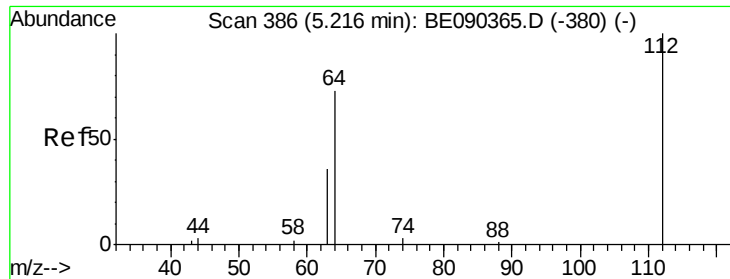


#2

1,4-Dioxane
Concen: Below Cal
RT: 3.18 min Scan# 85
Delta R.T. -0.02 min
Lab File: BE090459.D
Acq: 12 Aug 2015 10:01

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
58 0.0 70.0 105.0#
43 0.0 28.4 42.6#





#4

2-Fluorophenol

Concen: 4.95 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090459.D

Acq: 12 Aug 2015 10:01

Instrument :

BNA_E

ClientSampled :

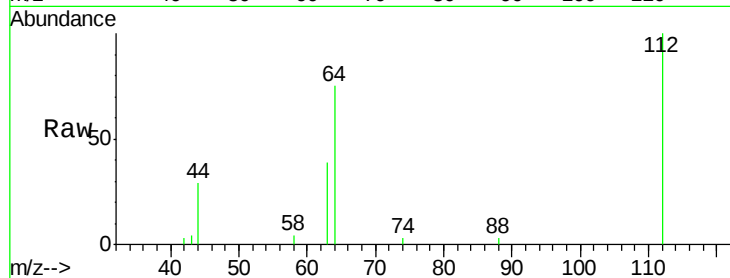
Tot Ion:112 Resp: 14611

Ion Ratio Lower Upper

112 100

64 70.9 37.1 55.7#

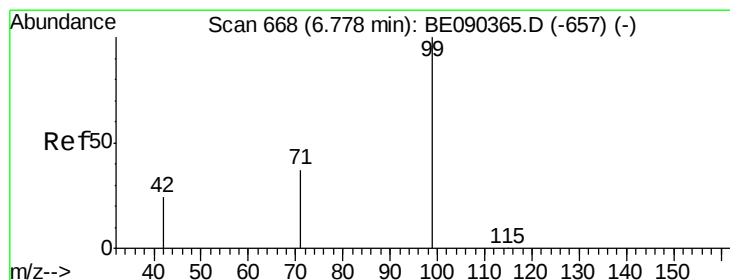
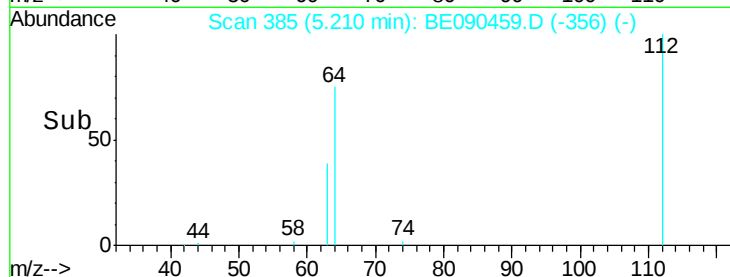
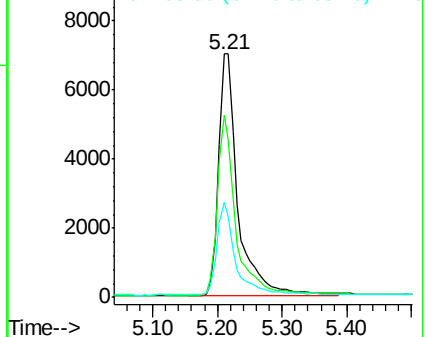
63 36.1 19.5 29.3#



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) (-)



#5

Phenol-d6

Concen: 2.13 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090459.D

Acq: 12 Aug 2015 10:01

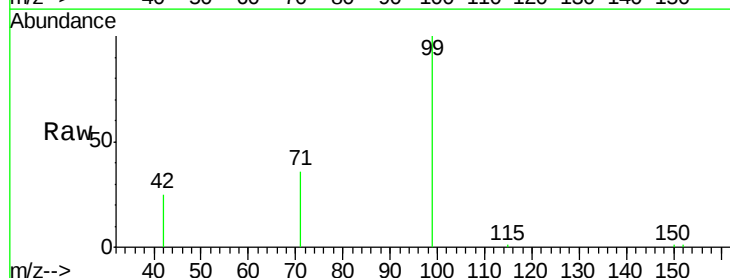
Tgt Ion: 99 Resp: 12401

Ion Ratio Lower Upper

99 100

42 22.2 18.2 27.4

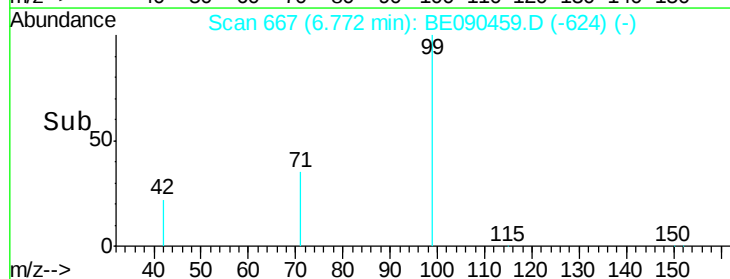
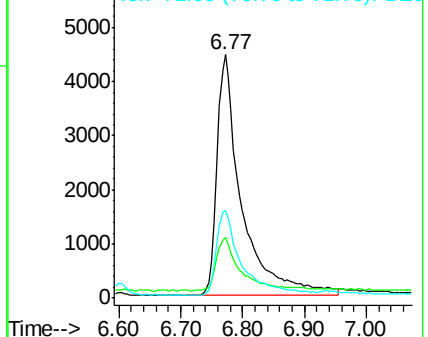
71 35.7 27.4 41.0

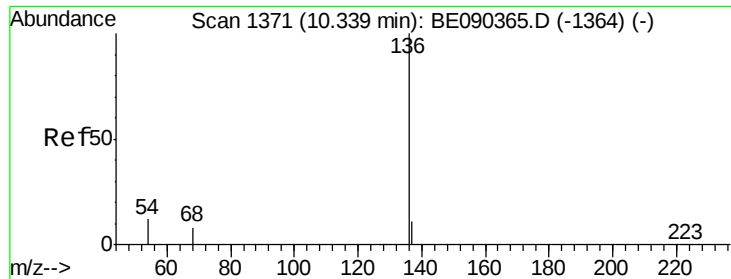


Abundance Ion 99.00 (98.70 to 99.70): BE090365.D (-657) (-)

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

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

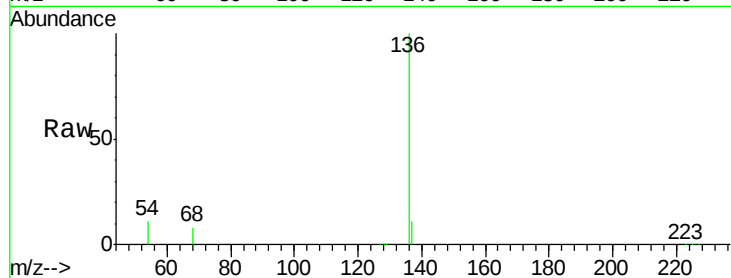




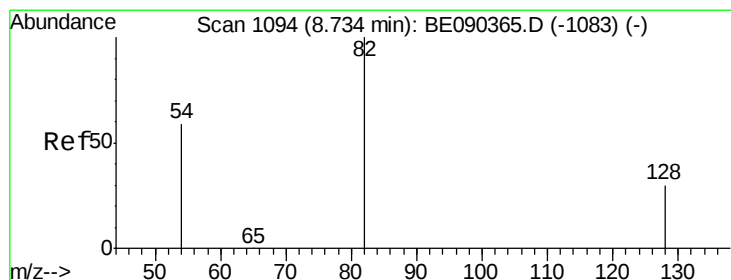
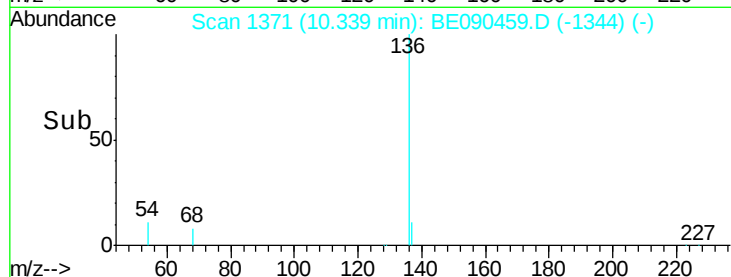
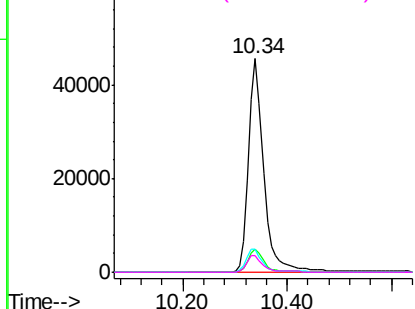
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090459.D
Acq: 12 Aug 2015 10:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.9	9.4	14.0
68	8.0	6.5	9.7

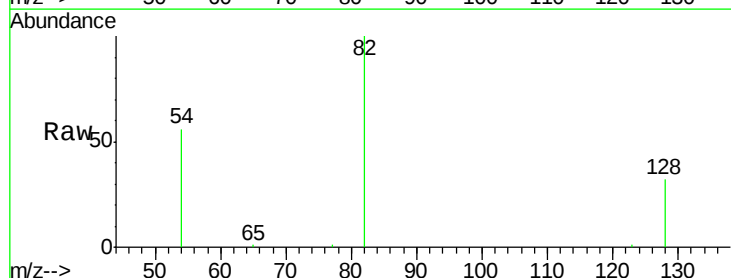


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

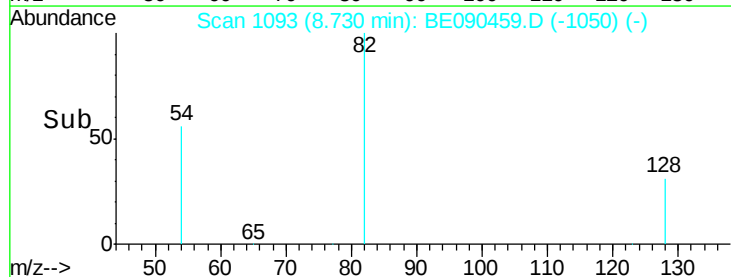
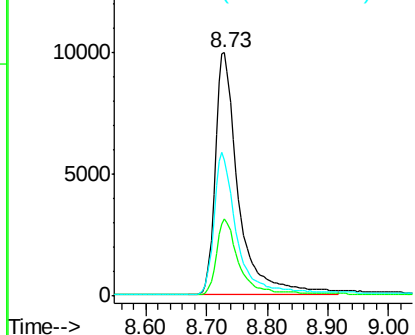


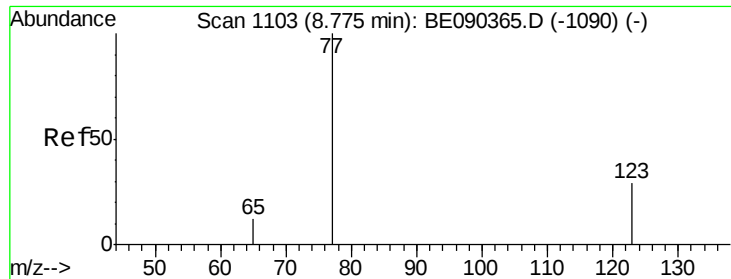
#7
Nitrobenzene-d5
Concen: 3.68 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090459.D
Acq: 12 Aug 2015 10:01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.7	25.0	37.6
54	56.1	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

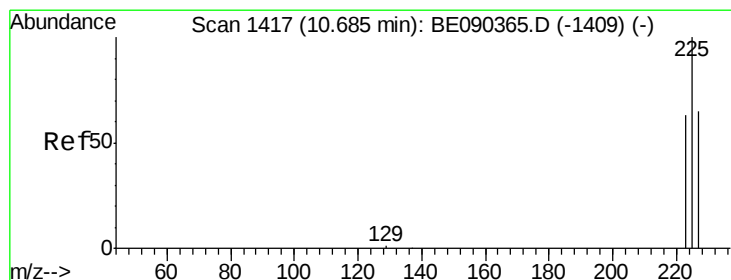
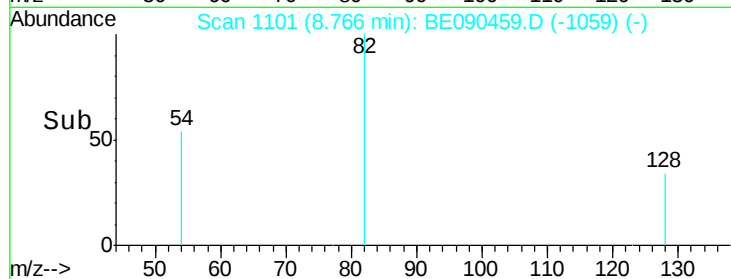
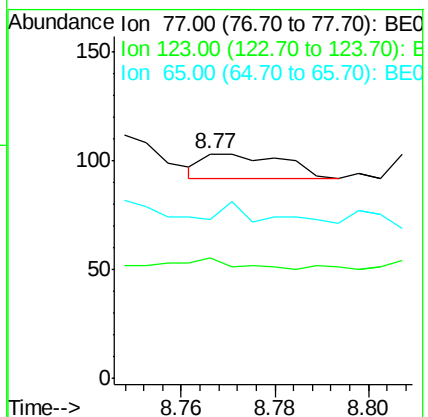
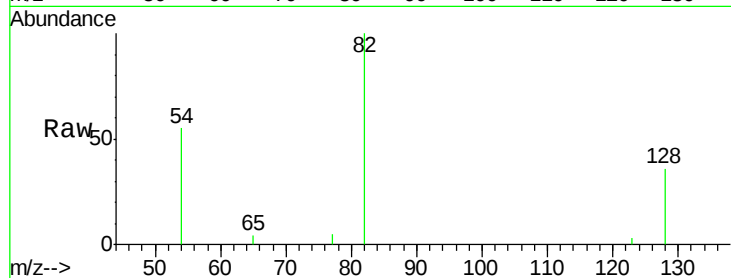




#8
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.77 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: BE090459.D
 Acq: 12 Aug 2015 10:01

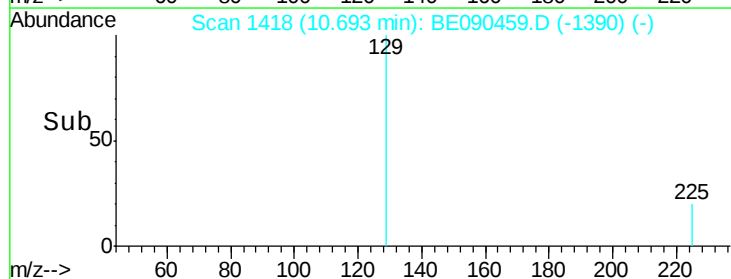
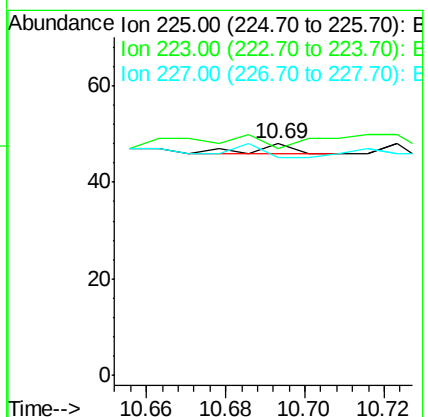
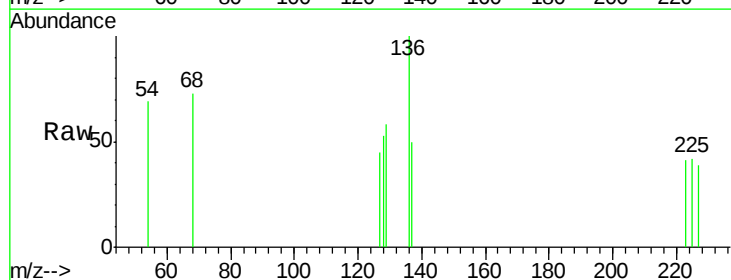
Instrument :
 BNA_E
 ClientSampled :

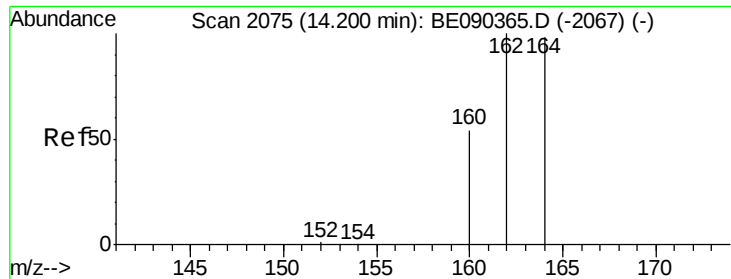
Tot Ion: 77 Resp: 13
 Ion Ratio Lower Upper
 77 100
 123 38.5 25.1 37.7#
 65 38.5 9.3 13.9#



#10
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 10.69 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: BE090459.D
 Acq: 12 Aug 2015 10:01

Tgt Ion: 225 Resp: 1
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.6 75.8#
 227 0.0 50.7 76.1#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090459.D

Acq: 12 Aug 2015 10:01

Instrument :

BNA_E

ClientSampled :

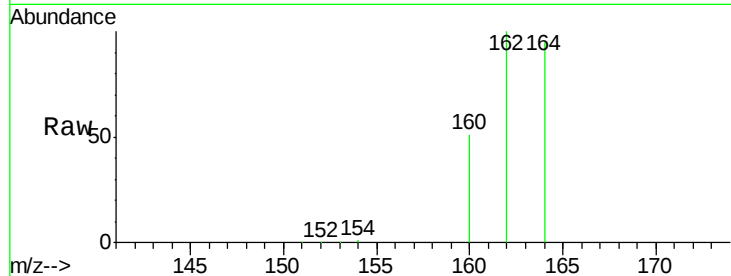
Tot Ion:164 Resp: 51631

Ion Ratio Lower Upper

164 100

162 105.1 81.8 122.8

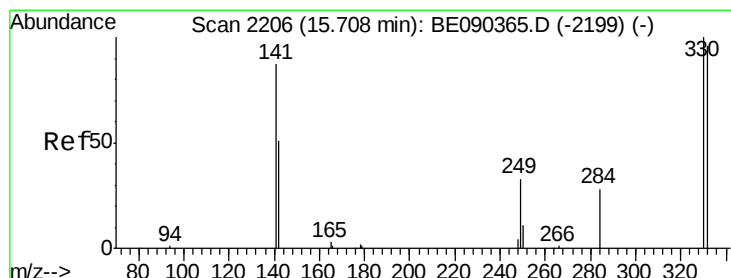
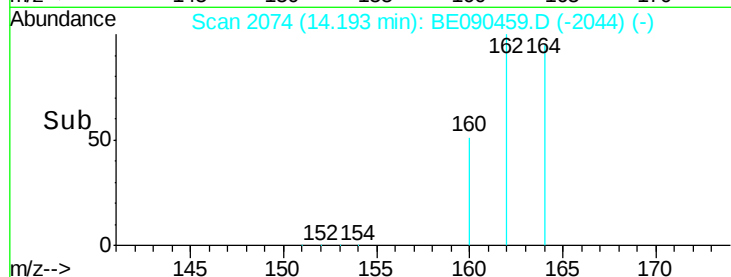
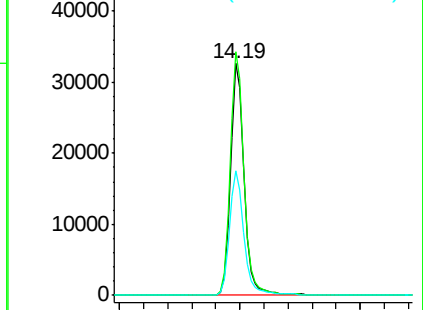
160 53.6 44.2 66.4



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: 9.42 ng

RT: 15.69 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BE090459.D

Acq: 12 Aug 2015 10:01

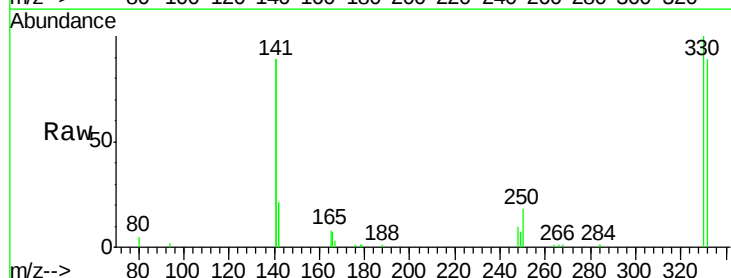
Tgt Ion:330 Resp: 16156

Ion Ratio Lower Upper

330 100

332 96.2 75.8 113.6

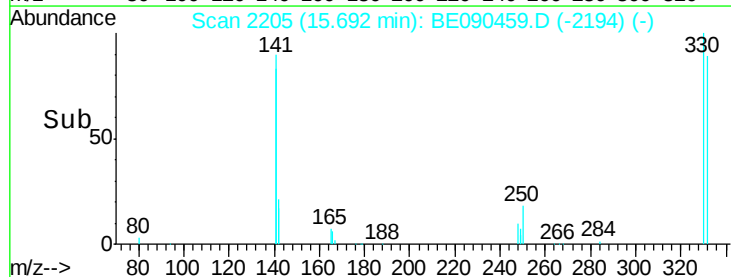
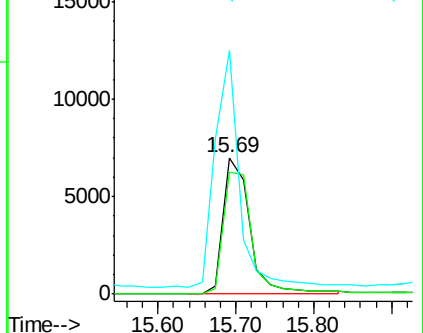
141 158.9 114.4 171.6



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

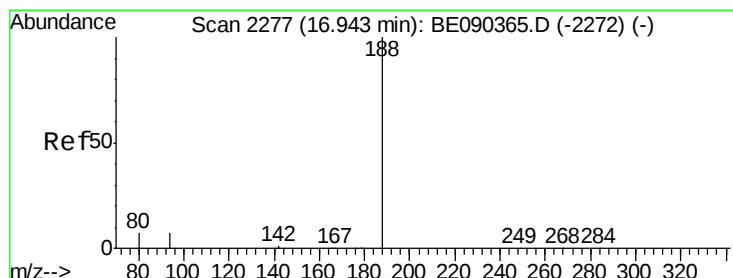
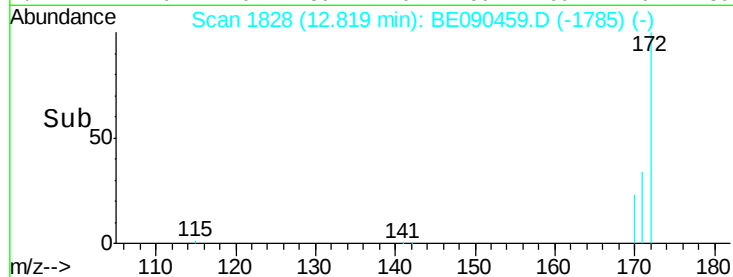
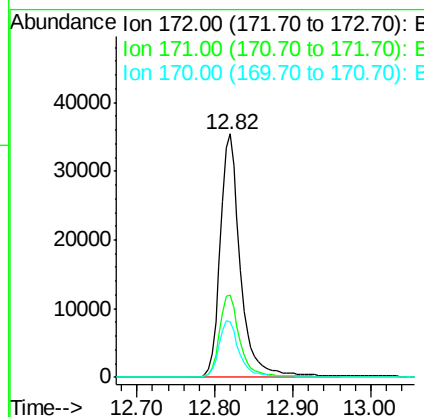
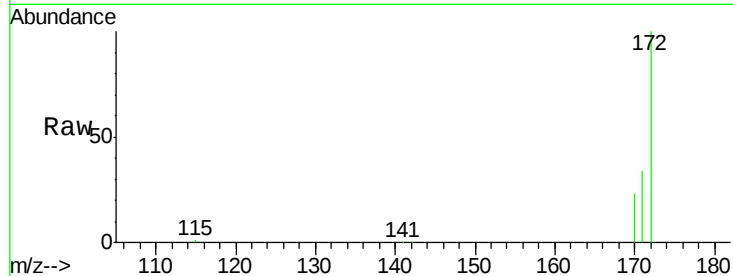




#14
2-Fluorobiphenyl
Concen: 4.44 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090459.D
Acq: 12 Aug 2015 10:01

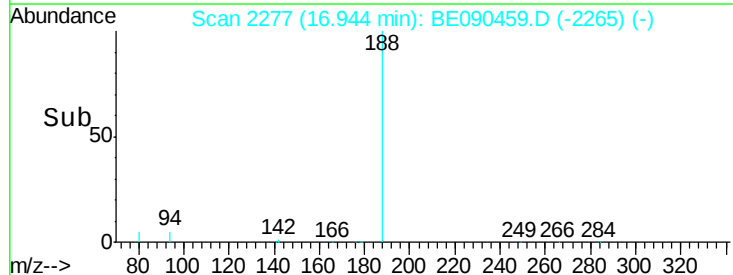
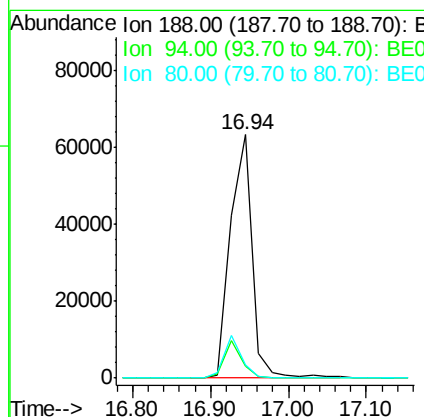
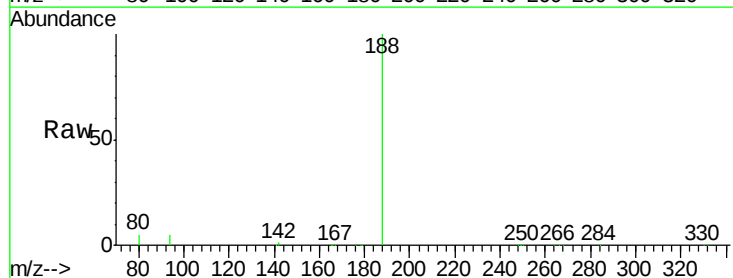
Instrument :
BNA_E
ClientSampleId :

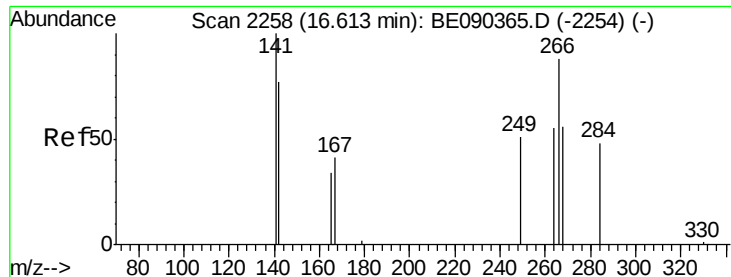
Tot Ion:172 Resp: 63061
Ion Ratio Lower Upper
172 100
171 33.7 28.5 42.7
170 23.0 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090459.D
Acq: 12 Aug 2015 10:01

Tgt Ion:188 Resp: 122599
Ion Ratio Lower Upper
188 100
94 5.1 5.7 8.5#
80 5.2 5.8 8.8#





#21

Pentachlorophenol

Concen: 0.13 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090459.D

Acq: 12 Aug 2015 10:01

Instrument :

BNA_E

ClientSampleId :

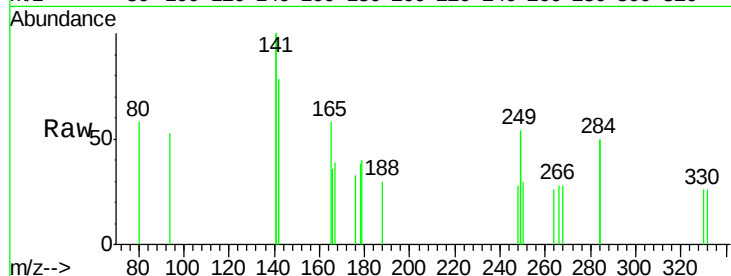
Tot Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

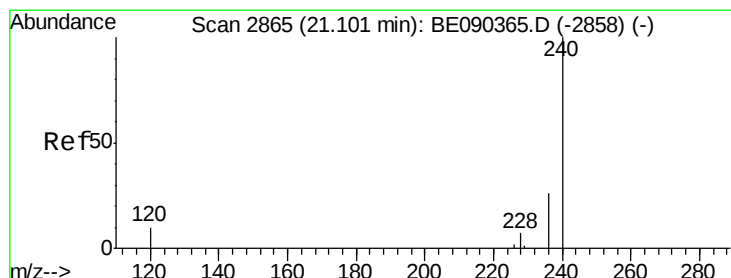
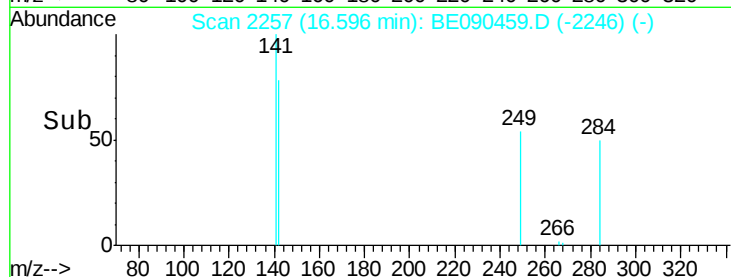
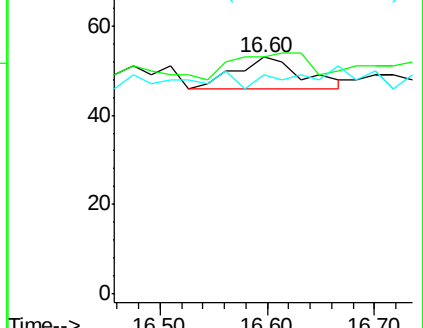
264 92.5 56.0 84.0#



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: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090459.D

Acq: 12 Aug 2015 10:01

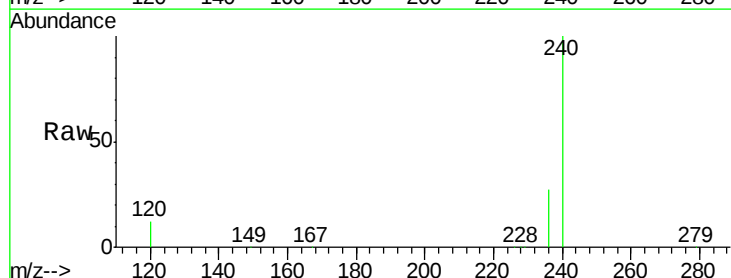
Tgt Ion:240 Resp: 142426

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

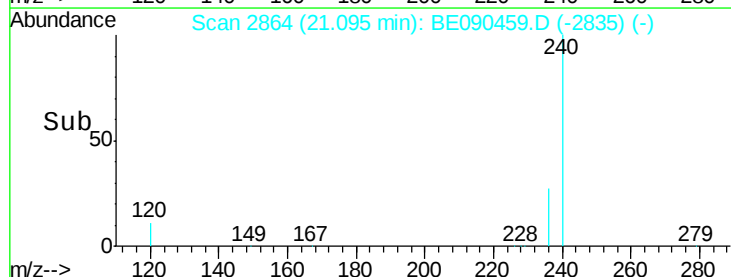
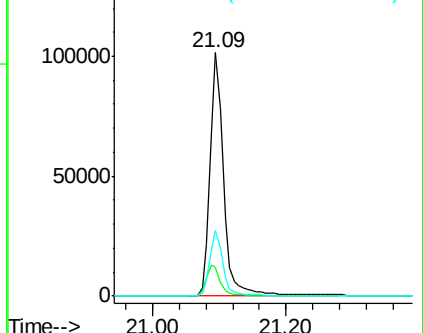
236 27.0 21.0 31.4

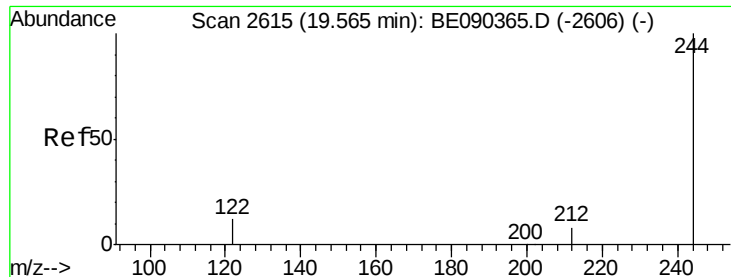


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

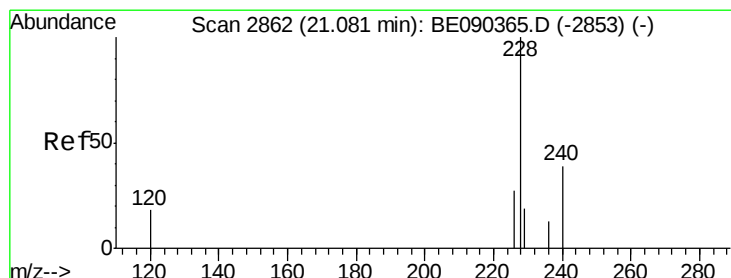
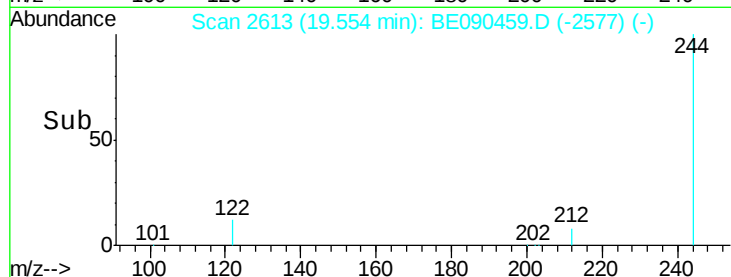
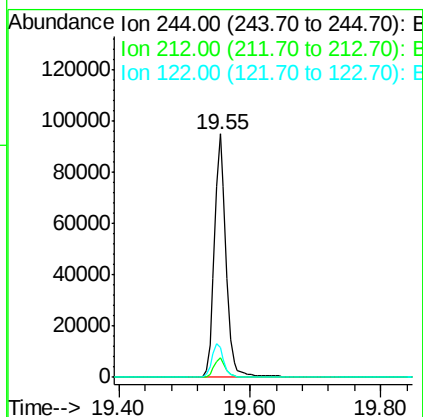
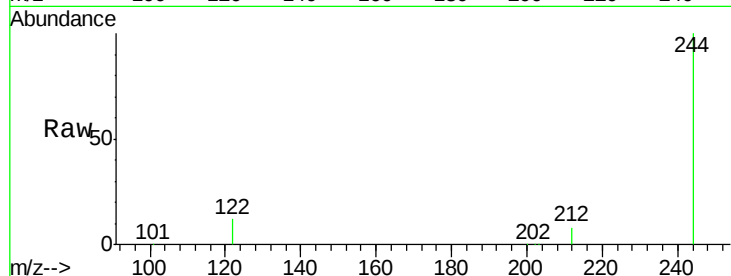




#27
 Terphenyl-d14
 Concen: 5.66 ng
 RT: 19.55 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BE090459.D
 Acq: 12 Aug 2015 10:01

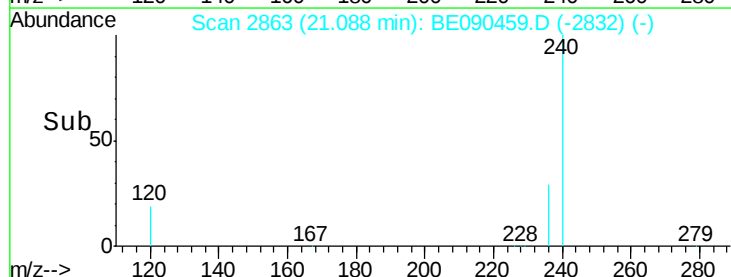
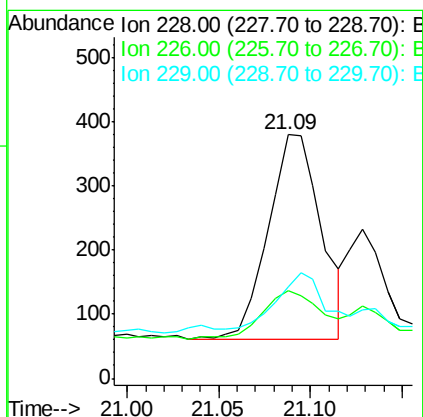
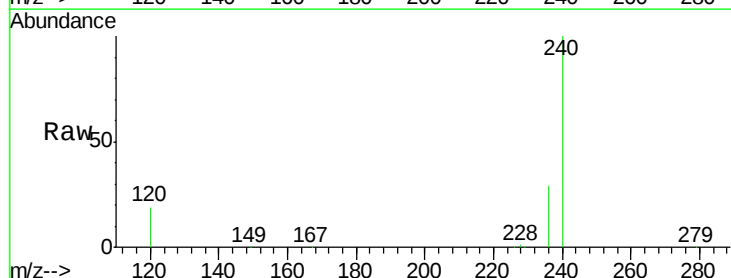
Instrument :
 BNA_E
 ClientSampleId :

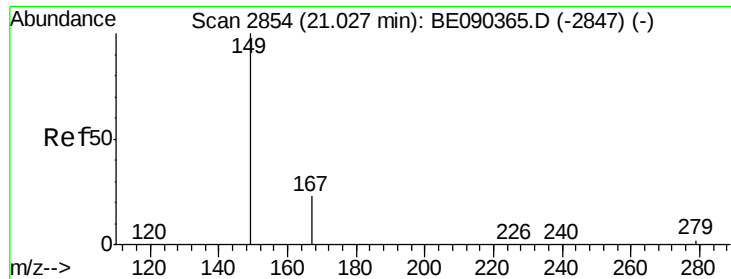
Tot Ion:244 Resp: 118802
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.6 9.8
 122 12.3 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.09 min Scan# 2863
 Delta R.T. 0.01 min
 Lab File: BE090459.D
 Acq: 12 Aug 2015 10:01

Tgt Ion:228 Resp: 642
 Ion Ratio Lower Upper
 228 100
 226 36.1 21.9 32.9#
 229 37.7 15.4 23.0#

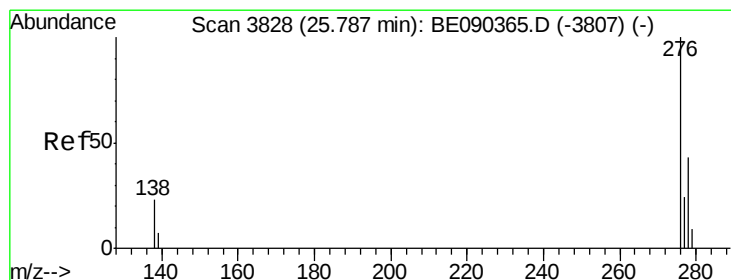
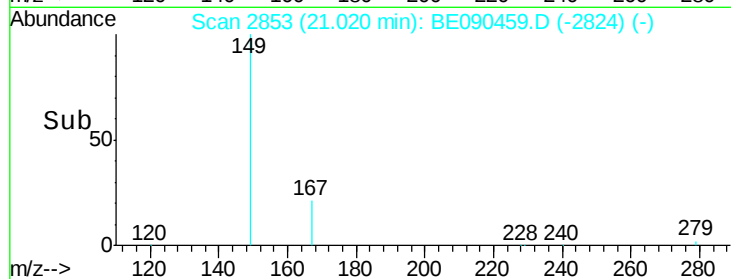
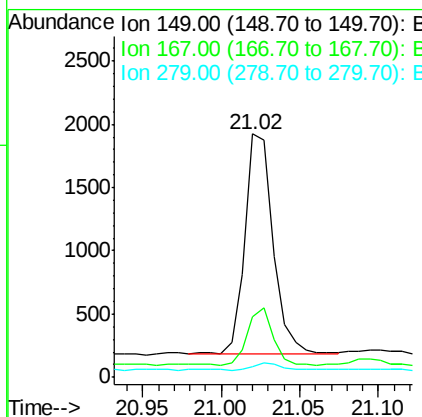
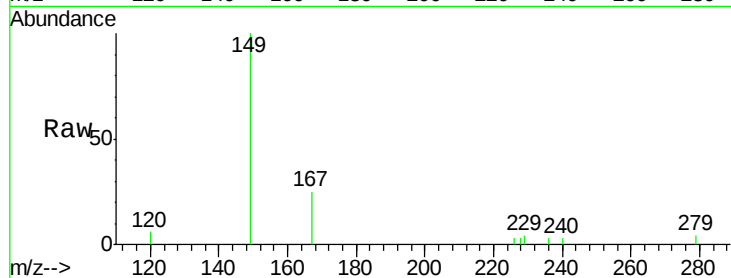




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.40 ng
 RT: 21.02 min Scan# 2853
 Delta R.T. -0.01 min
 Lab File: BE090459.D
 Acq: 12 Aug 2015 10:01

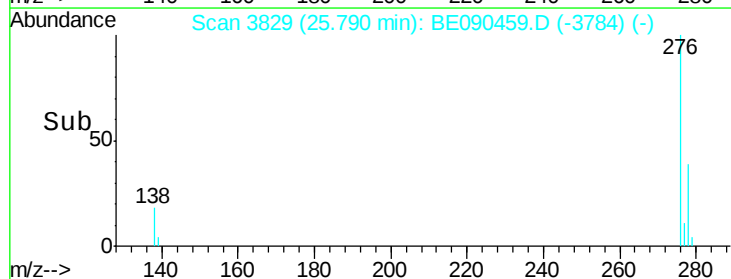
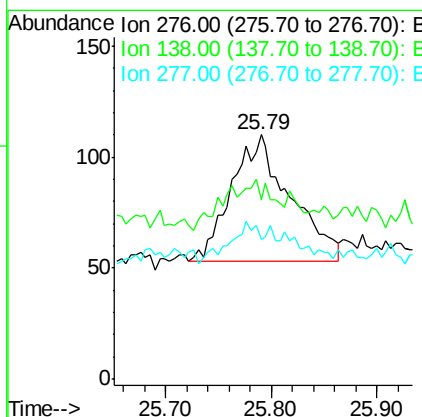
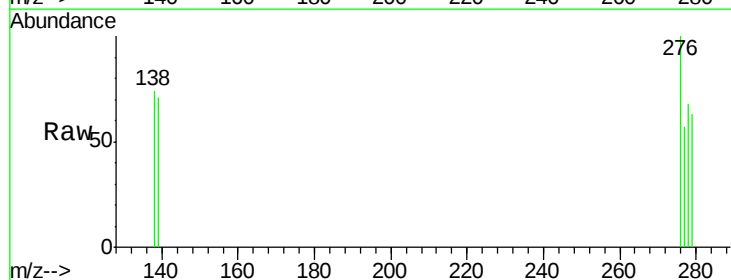
Instrument :
 BNA_E
 ClientSampleId :

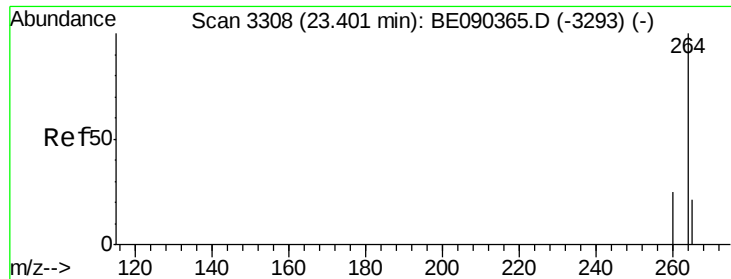
Tot Ion:149 Resp: 2193
 Ion Ratio Lower Upper
 149 100
 167 22.7 19.8 29.8
 279 3.0 2.4 3.6



#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: BE090459.D
 Acq: 12 Aug 2015 10:01

Tgt Ion:276 Resp: 221
 Ion Ratio Lower Upper
 276 100
 138 10.0 18.8 28.2#
 277 17.6 18.2 27.4#

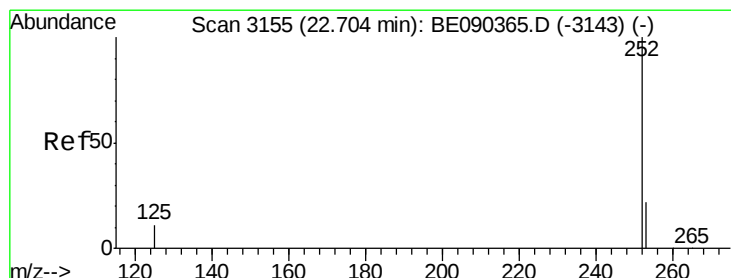
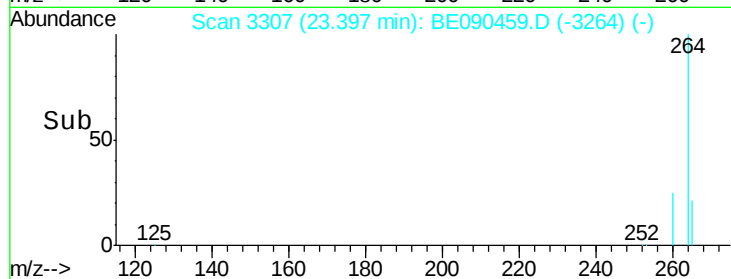
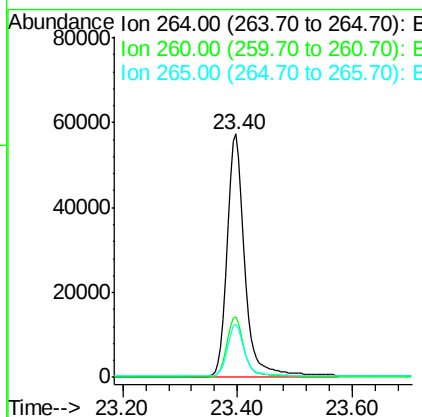




#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090459.D
 Acq: 12 Aug 2015 10:01

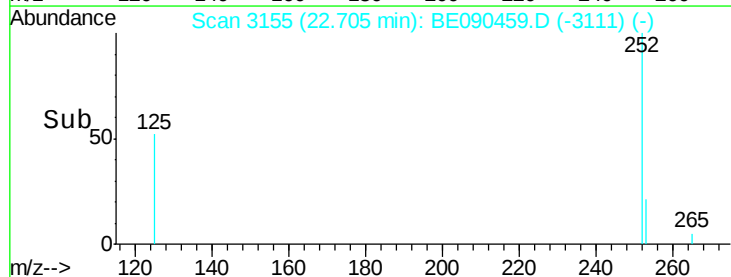
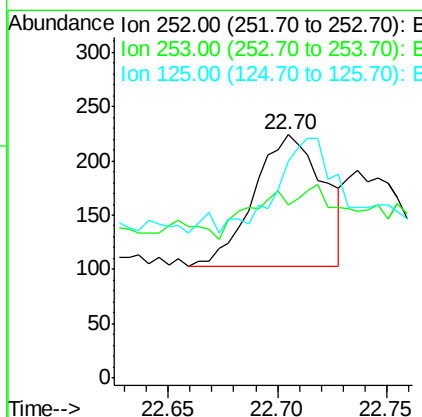
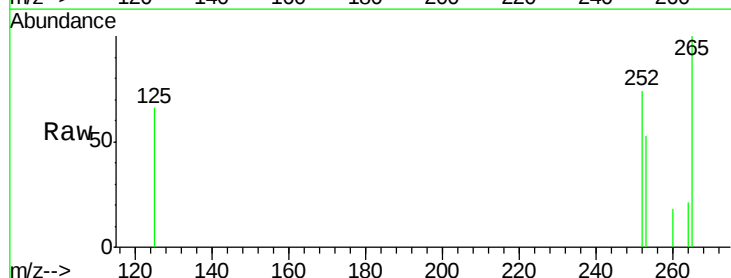
Instrument :
 BNA_E
 ClientSampleId :

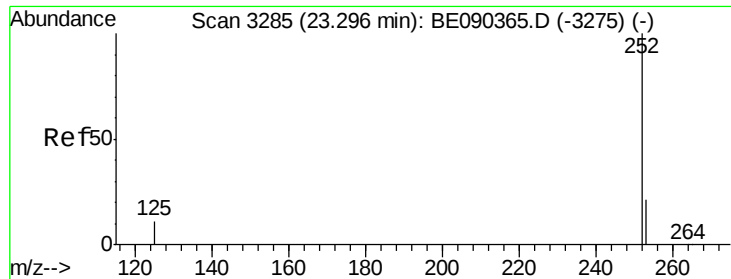
Tot Ion:264 Resp: 125967
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.1 30.1
 265 21.9 17.2 25.8



#33
 Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: BE090459.D
 Acq: 12 Aug 2015 10:01

Tgt Ion:252 Resp: 269
 Ion Ratio Lower Upper
 252 100
 253 71.4 18.1 27.1#
 125 89.3 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090459.D

Acq: 12 Aug 2015 10:01

Instrument :

BNA_E

ClientSampled :

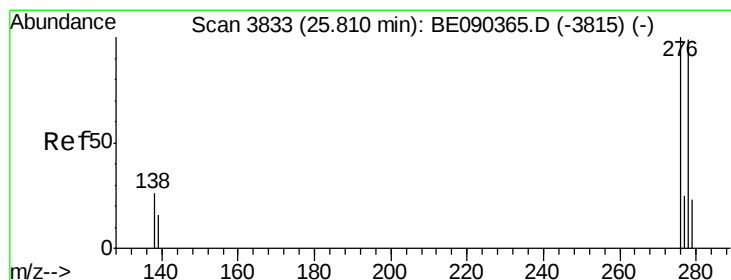
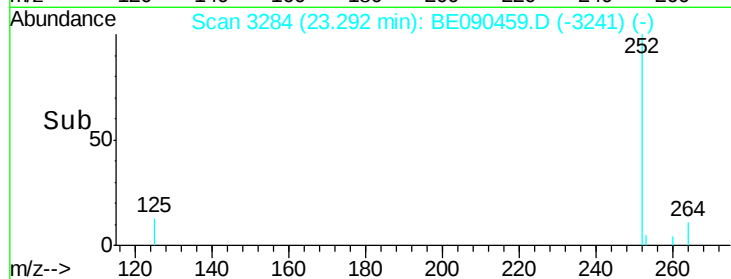
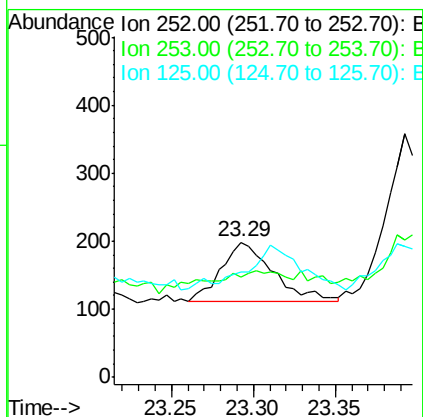
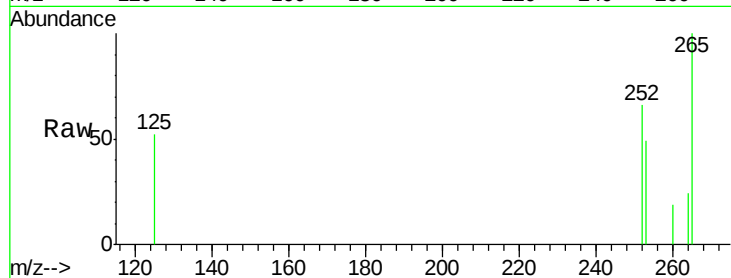
Tot Ion:252 Resp: 188

Ion Ratio Lower Upper

252 100

253 74.2 17.6 26.4#

125 77.8 9.8 14.6#



#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3831

Delta R.T. -0.01 min

Lab File: BE090459.D

Acq: 12 Aug 2015 10:01

Tgt Ion:278 Resp: 109

Ion Ratio Lower Upper

278 100

139 94.2 14.2 21.4#

279 84.9 20.1 30.1#

