

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072015\
 Data File : BE090177.D
 Acq On : 20 Jul 2015 16:15
 Operator : TP/IZ
 Sample : G3009-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 21 02:10:12 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 18 00:40:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	6778	5.00	ng	0.00
6) Naphthalene-d8	10.36	136	29767	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	14350	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	28517	5.00	ng	0.00
25) Chrysene-d12	21.11	240	25710	5.00	ng	0.00
32) Perylene-d12	23.42	264	25062	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.23	112	3091	1.94	ng	0.00
5) Phenol-d6	6.79	99	2633	1.28	ng	0.00
7) Nitrobenzene-d5	8.74	82	5185	2.63	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	1613	4.76	ng	-0.02
14) 2-Fluorobiphenyl	12.84	172	12360	2.92	ng	0.00
27) Terphenyl-d14	19.58	244	15776	3.67	ng	0.00

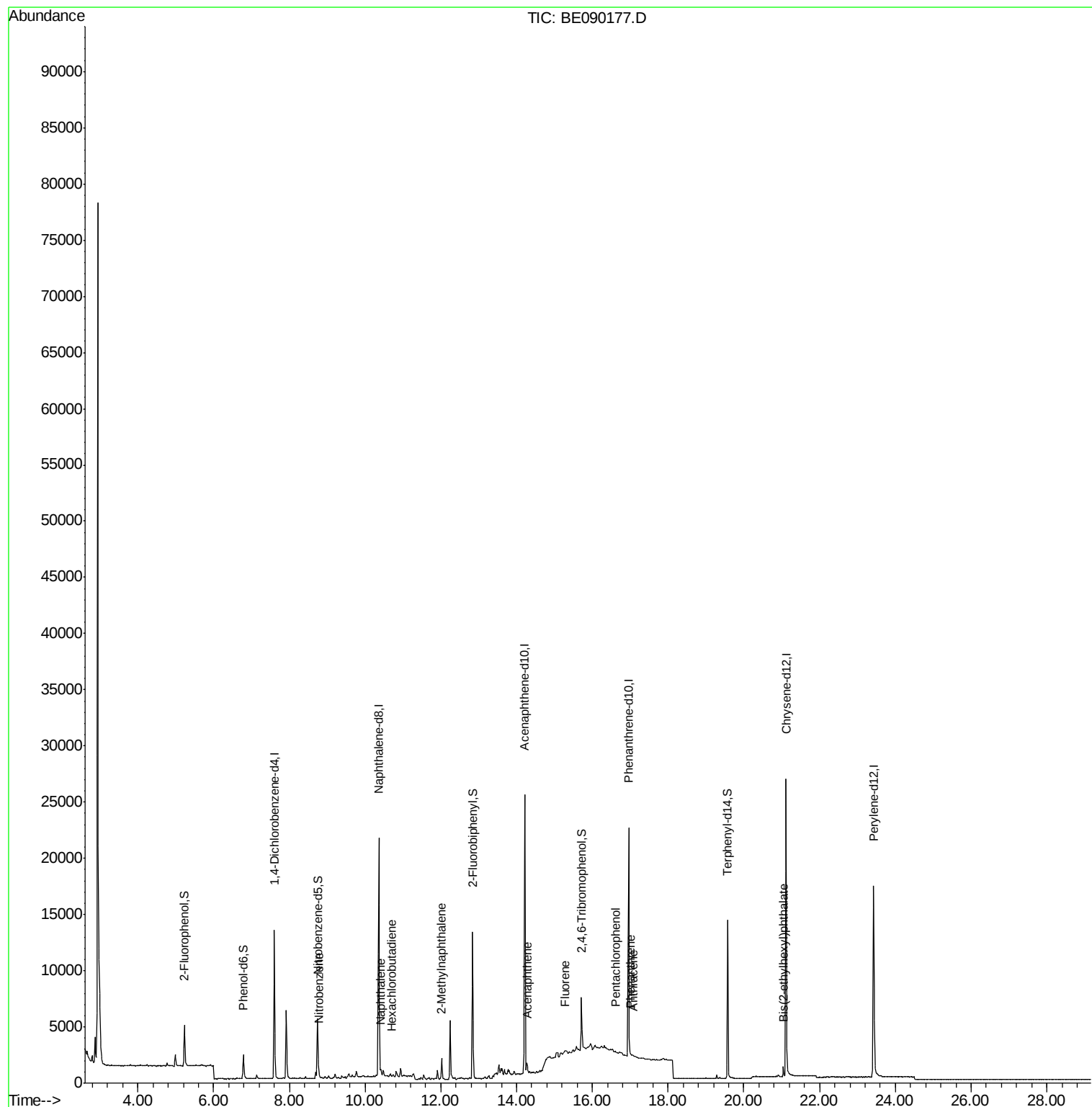
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	5	Below Cal	#	22
8) Nitrobenzene	8.78	77	321	0.17 ng	#	12
9) Naphthalene	10.41	128	370	0.06 ng	#	1
10) Hexachlorobutadiene	10.70	225	19	0.02 ng	#	74
11) 2-Methylnaphthalene	12.02	142	1357	0.32 ng	#	92
16) Acenaphthene	14.28	154	152	0.04 ng		77
17) Fluorene	15.27	166	293	0.06 ng	#	37
21) Pentachlorophenol	16.61	266	32	0.36 ng	#	70
22) Phenanthrene	17.00	178	208	0.03 ng	#	84
23) Anthracene	17.08	178	132	0.02 ng	#	66
30) Bis(2-ethylhexyl)phthalate	21.05	149	793	0.26 ng	#	95

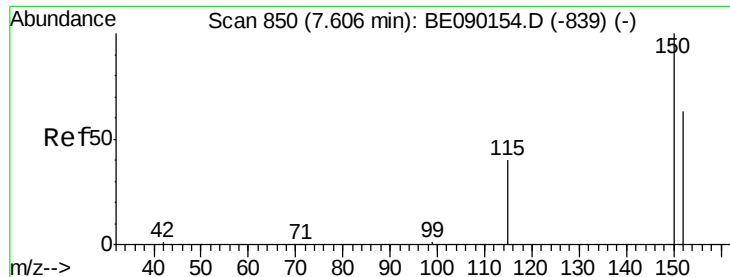
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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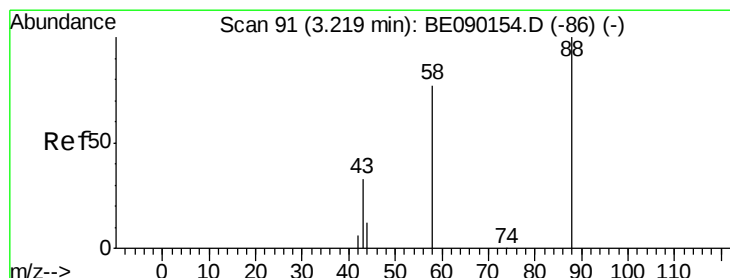
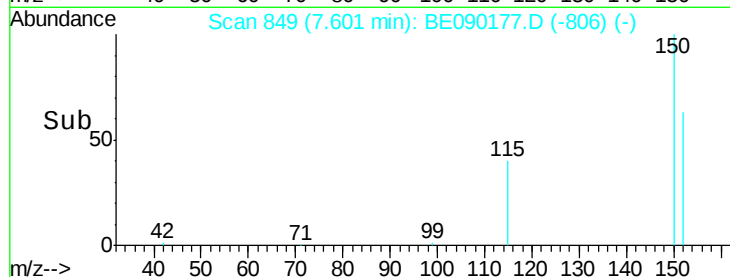
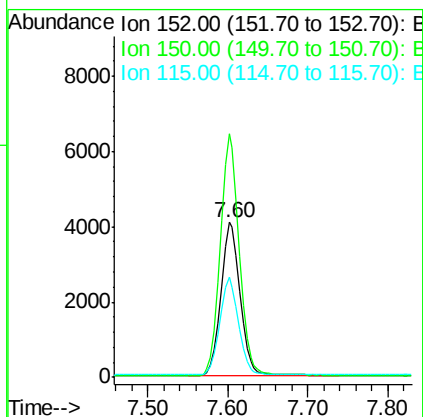
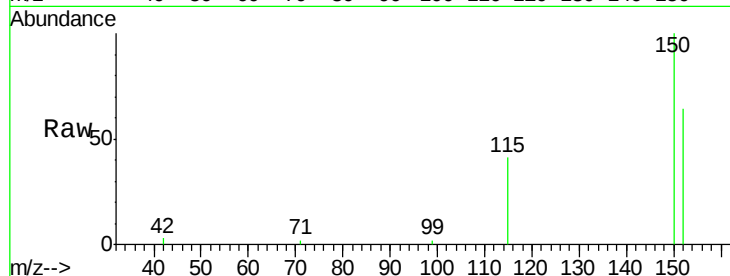


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.60 min Scan# 849
Delta R.T. -0.00 min
Lab File: BE090177.D
Acq: 20 Jul 2015 16:15

Instrument :
BNA_E
ClientSampleId :

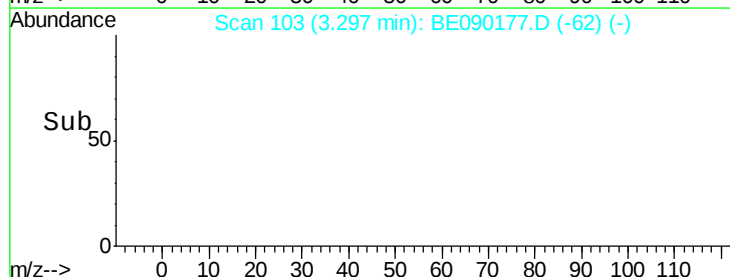
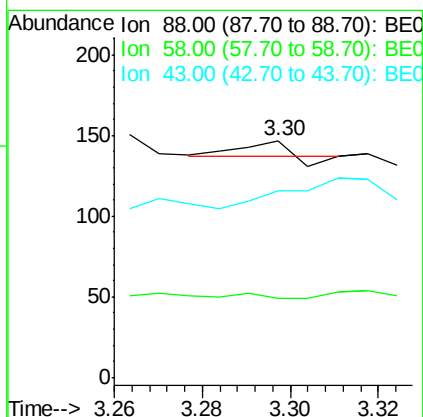
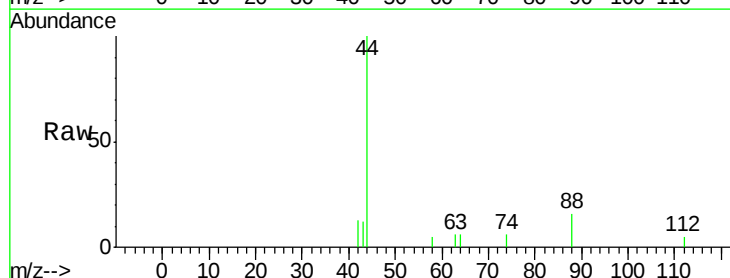
Tot Ion:152 Resp: 6778
Ion Ratio Lower Upper
152 100
150 157.2 127.2 190.8
115 64.5 51.6 77.4

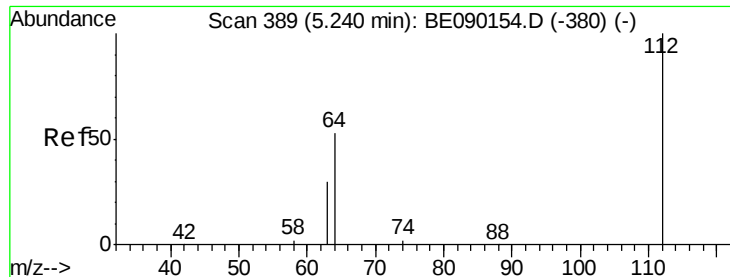


#2

1,4-Dioxane
Concen: Below Cal
RT: 3.30 min Scan# 103
Delta R.T. 0.08 min
Lab File: BE090177.D
Acq: 20 Jul 2015 16:15

Tgt Ion: 88 Resp: 5
Ion Ratio Lower Upper
88 100
58 0.0 58.2 87.2#
43 0.0 27.7 41.5#





#4

2-Fluorophenol

Concen: 1.94 ng

RT: 5.23 min Scan# 388

Delta R.T. -0.01 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

Instrument :

BNA_E

ClientSampled :

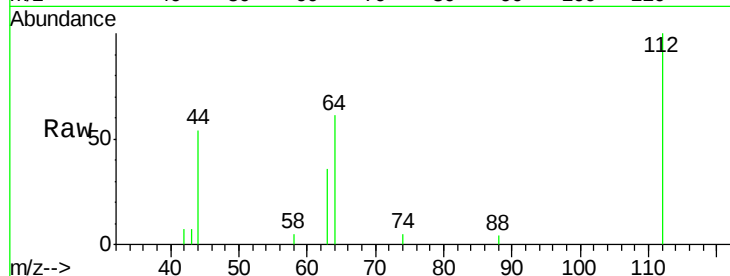
Tot Ion:112 Resp: 3091

Ion Ratio Lower Upper

112 100

64 58.3 46.7 70.1

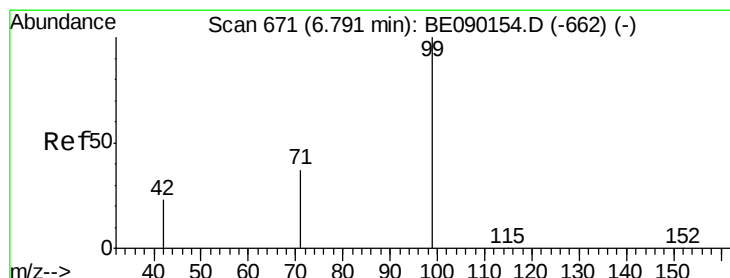
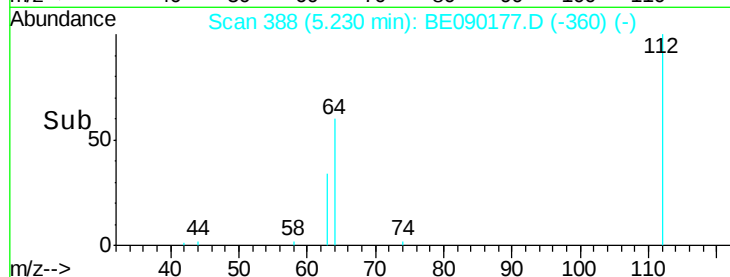
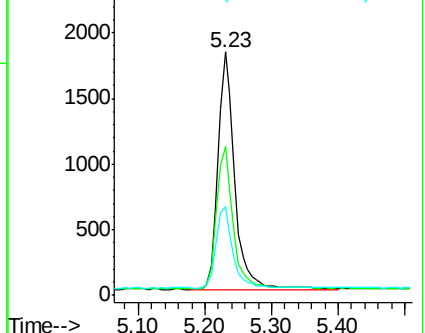
63 34.7 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.28 ng

RT: 6.79 min Scan# 670

Delta R.T. -0.00 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

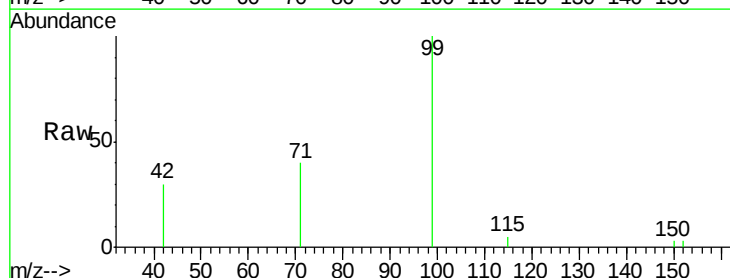
Tgt Ion: 99 Resp: 2633

Ion Ratio Lower Upper

99 100

42 24.6 19.1 28.7

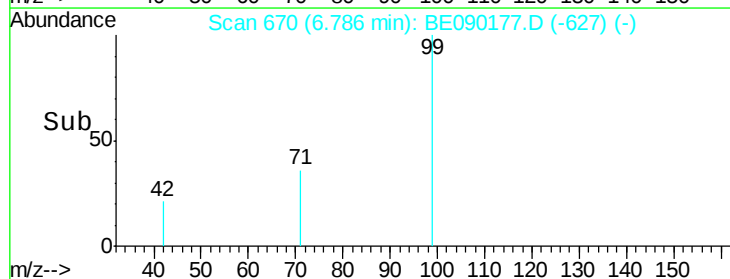
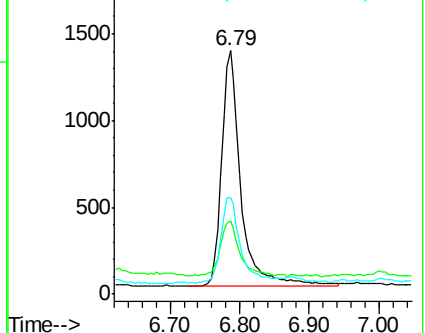
71 37.6 29.4 44.2

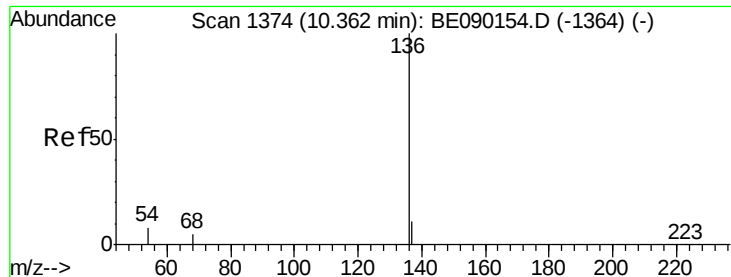


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.36 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 29767

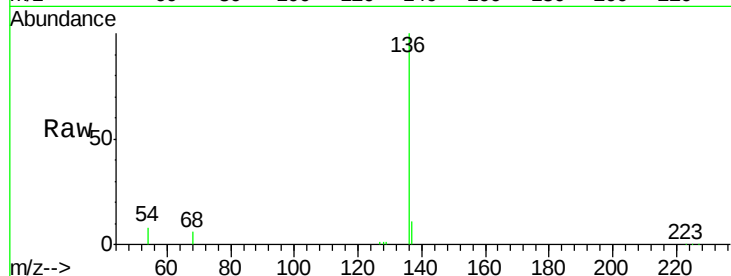
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.6	6.3	9.5
68	5.5	4.3	6.5

136 100

137 11.4 8.9 13.3

54 7.6 6.3 9.5

68 5.5 4.3 6.5

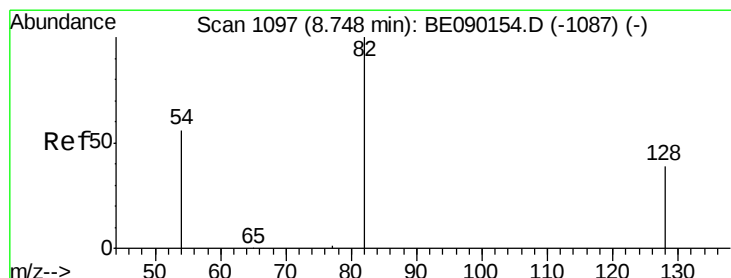
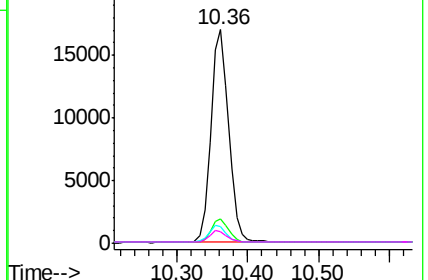
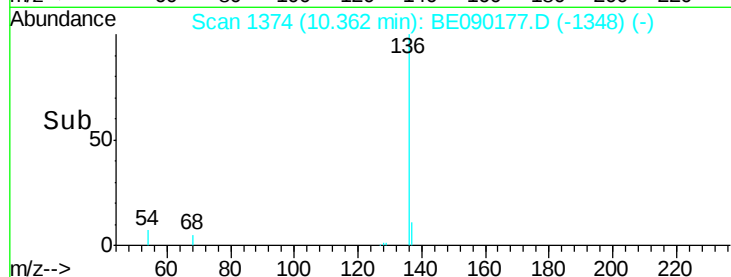


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.63 ng

RT: 8.74 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

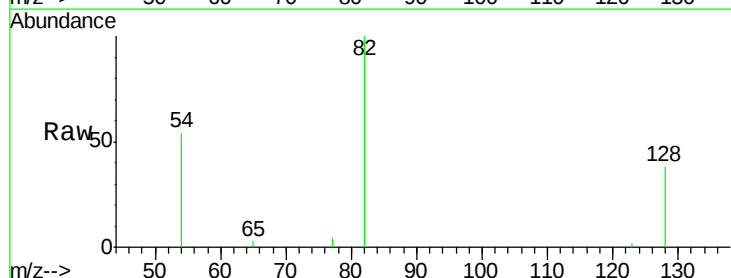
Tgt Ion: 82 Resp: 5185

Ion	Ratio	Lower	Upper
82	100		
128	38.4	32.7	49.1
54	54.2	45.9	68.9

82 100

128 38.4 32.7 49.1

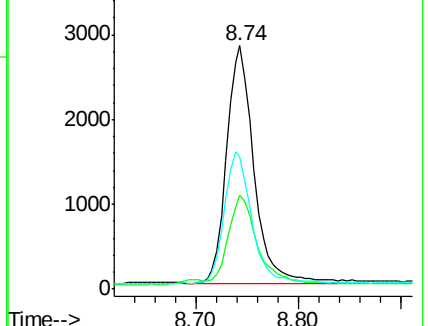
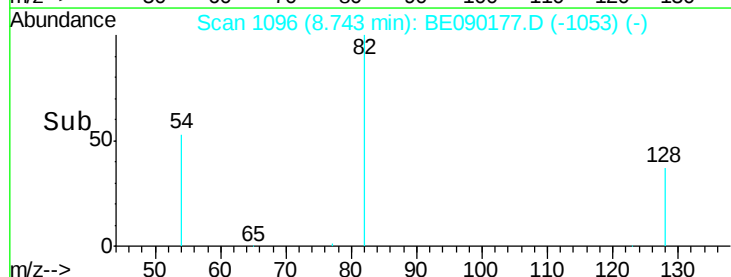
54 54.2 45.9 68.9

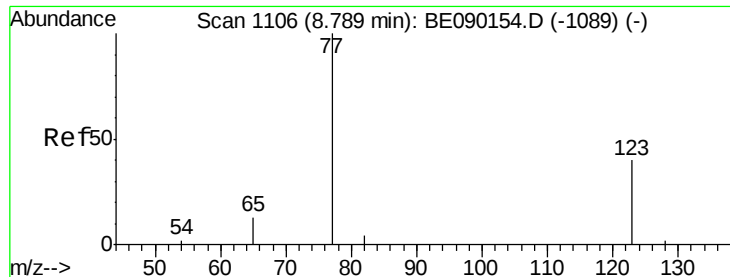


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.17 ng

RT: 8.78 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

Instrument :

BNA_E

ClientSampled :

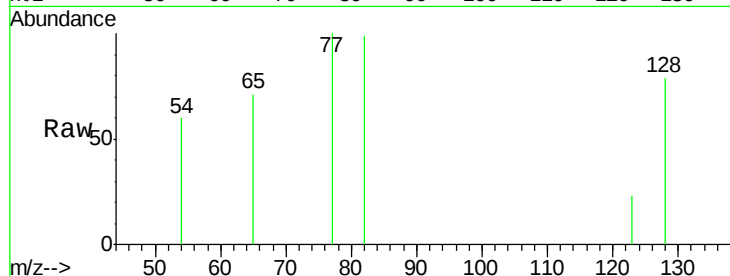
Tot Ion: 77 Resp: 321

Ion Ratio Lower Upper

77 100

123 1.6 32.3 48.5#

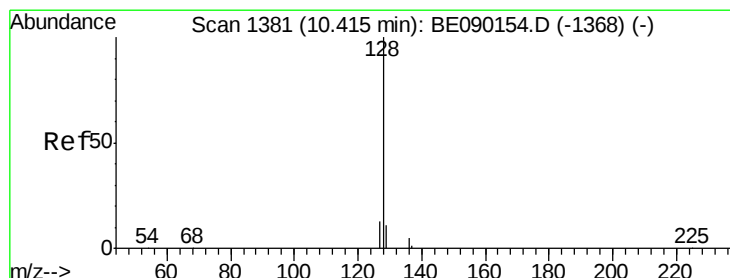
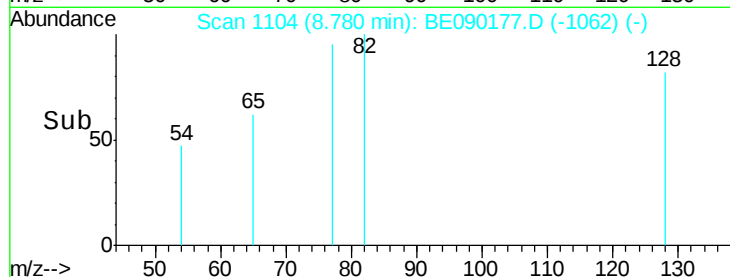
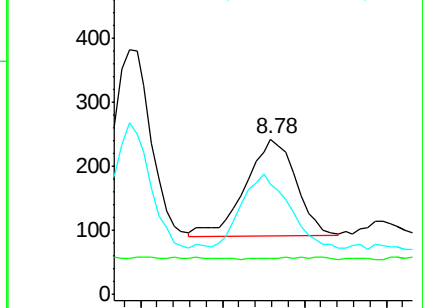
65 79.4 10.4 15.6#



Abundance Ion 77.00 (76.70 to 77.70): BE090154.D (-1089) (-)

Ion 123.00 (122.70 to 123.70): BE090154.D (-1089) (-)

Ion 65.00 (64.70 to 65.70): BE090154.D (-1089) (-)



#9

Naphthalene

Concen: 0.06 ng

RT: 10.41 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

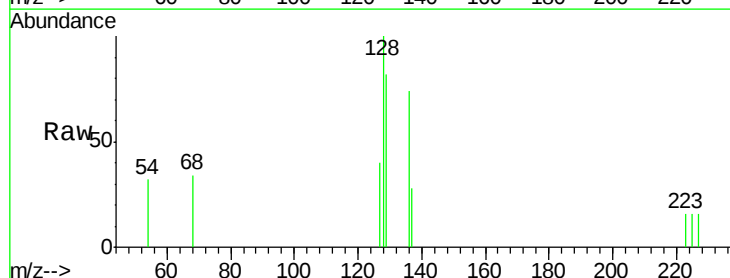
Tgt Ion: 128 Resp: 370

Ion Ratio Lower Upper

128 100

129 82.4 9.8 14.6#

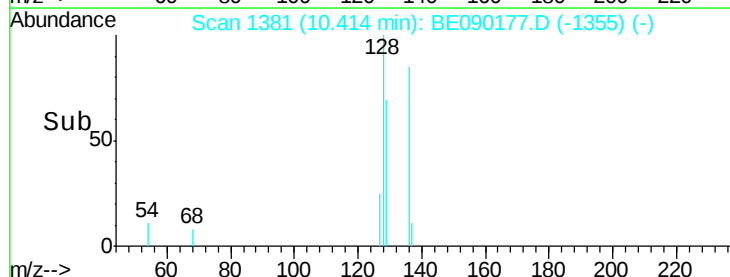
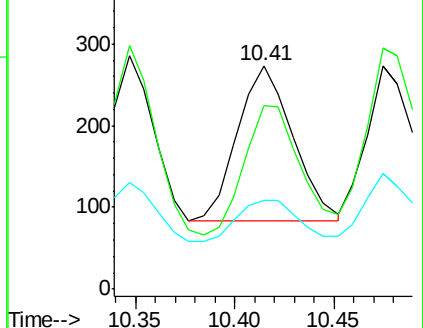
127 39.6 10.7 16.1#

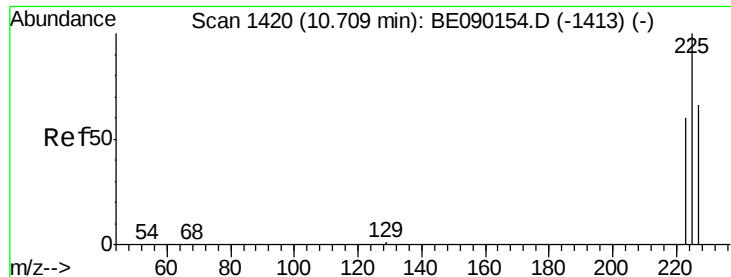


Abundance Ion 128.00 (127.70 to 128.70): BE090154.D (-1368) (-)

Ion 129.00 (128.70 to 129.70): BE090154.D (-1368) (-)

Ion 127.00 (126.70 to 127.70): BE090154.D (-1368) (-)

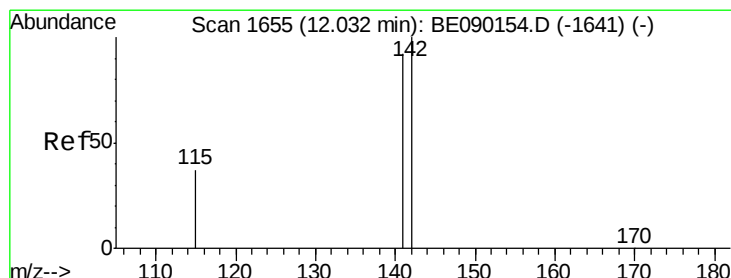
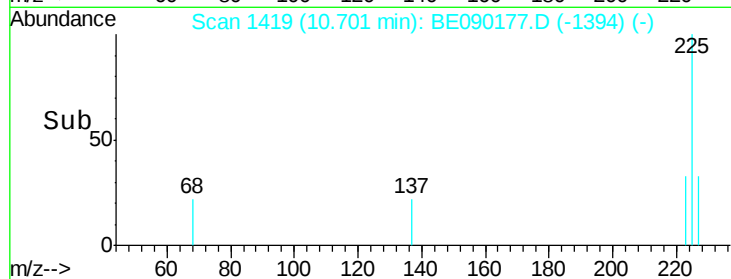
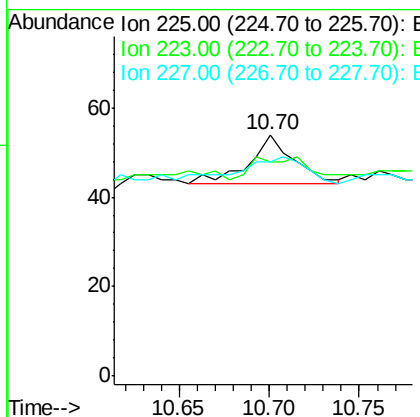
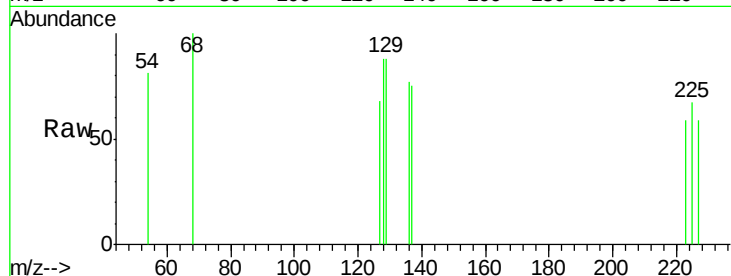




#10
Hexachlorobutadiene
Concen: 0.02 ng
RT: 10.70 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BE090177.D
Acq: 20 Jul 2015 16:15

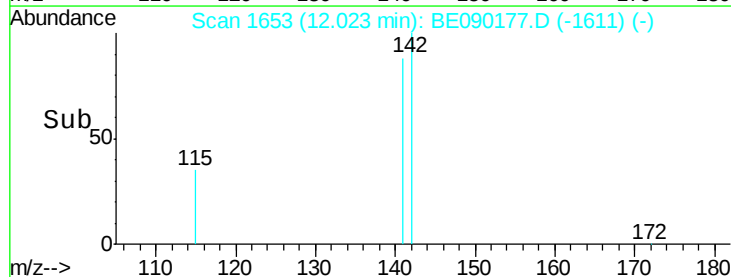
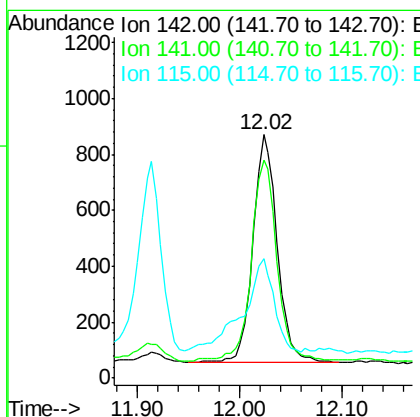
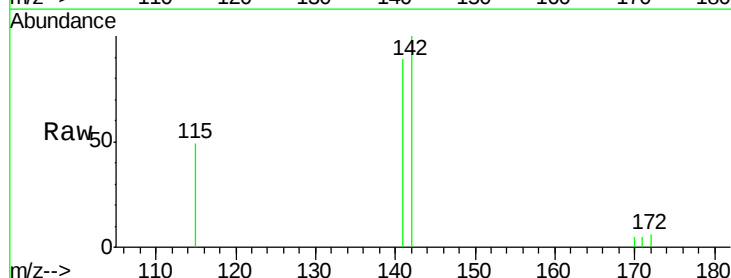
Instrument :
BNA_E
ClientSampleId :

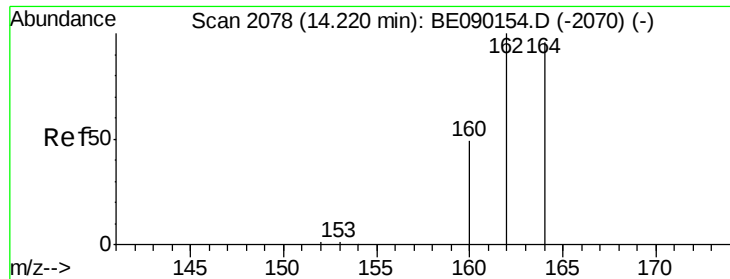
Tot Ion:225 Resp: 19
Ion Ratio Lower Upper
225 100
223 52.6 50.3 75.5
227 94.7 51.3 76.9#



#11
2-Methylnaphthalene
Concen: 0.32 ng
RT: 12.02 min Scan# 1653
Delta R.T. -0.01 min
Lab File: BE090177.D
Acq: 20 Jul 2015 16:15

Tgt Ion:142 Resp: 1357
Ion Ratio Lower Upper
142 100
141 89.4 73.9 110.9
115 48.9 30.0 45.0#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.21 min Scan# 2077

Delta R.T. -0.01 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

Instrument :

BNA_E

ClientSampleId :

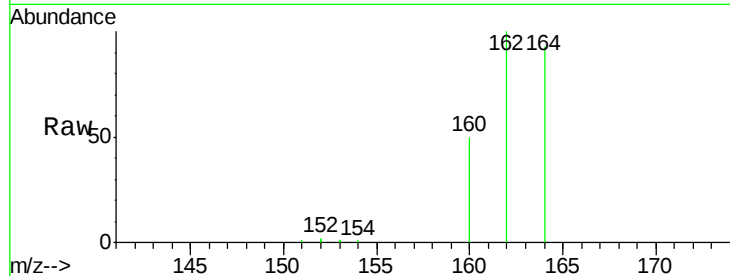
Tot Ion:164 Resp: 14350

Ion Ratio Lower Upper

164 100

162 107.8 83.3 124.9

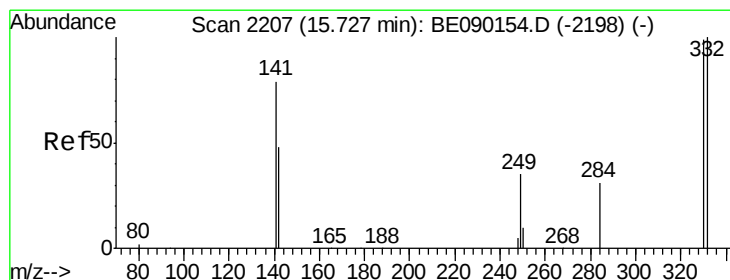
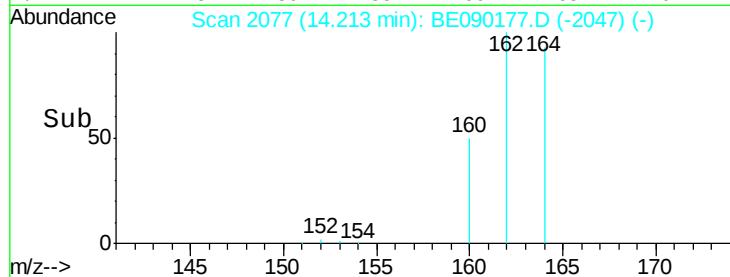
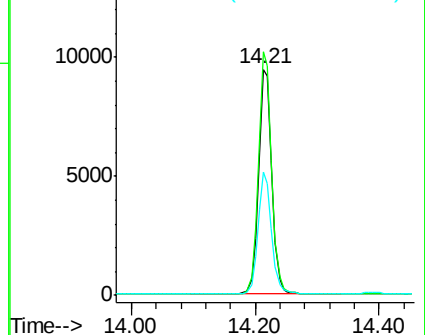
160 54.3 40.9 61.3



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: 4.76 ng

RT: 15.71 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

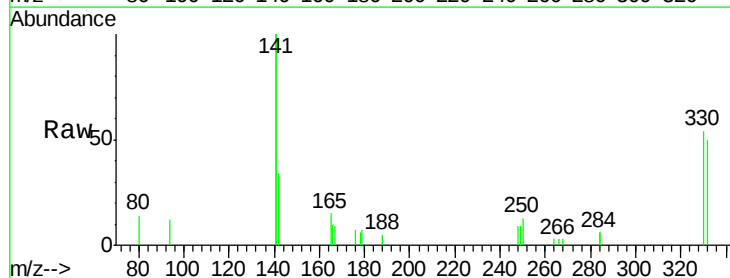
Tgt Ion:330 Resp: 1613

Ion Ratio Lower Upper

330 100

332 97.8 78.2 117.2

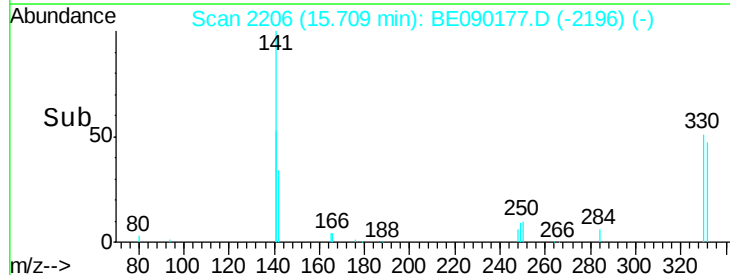
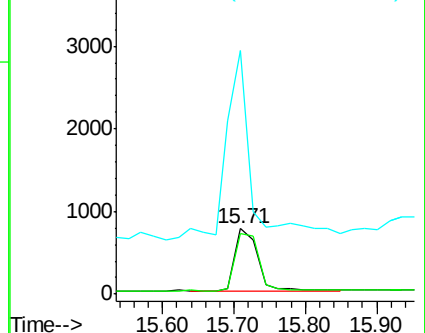
141 301.3 215.8 323.6

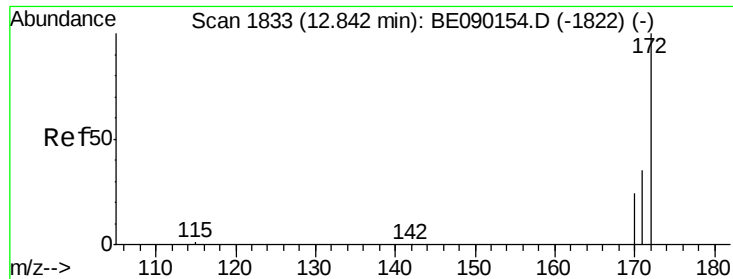


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

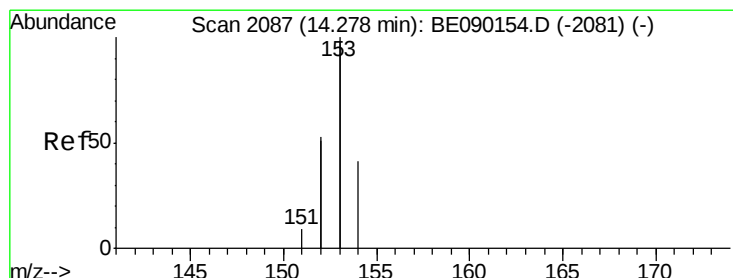
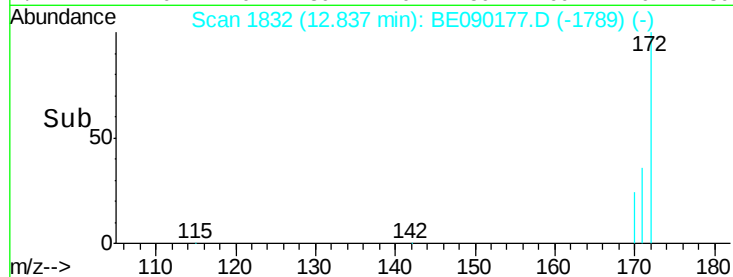
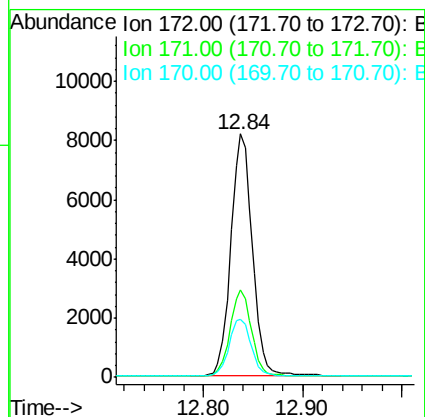
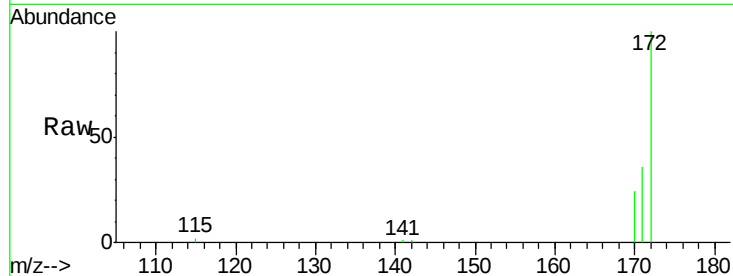




#14
2-Fluorobiphenyl
Concen: 2.92 ng
RT: 12.84 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BE090177.D
Acq: 20 Jul 2015 16:15

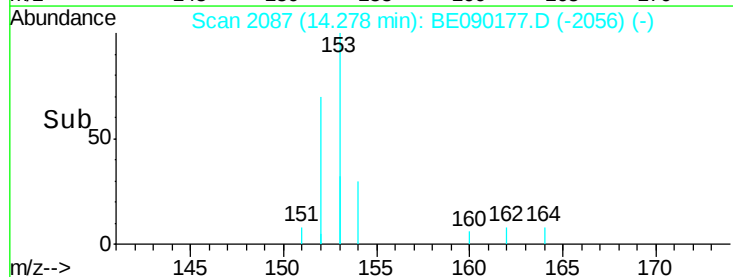
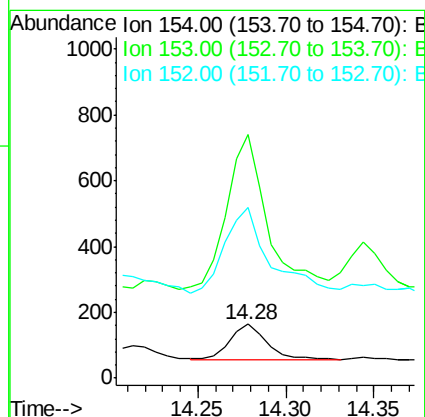
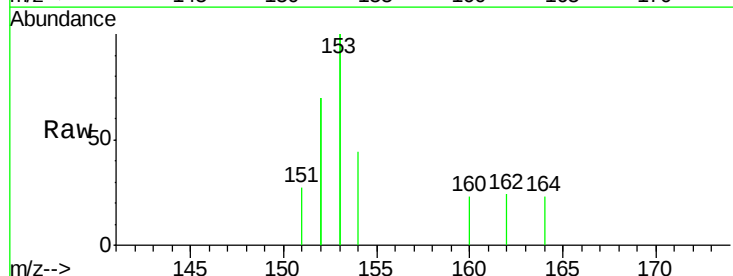
Instrument :
BNA_E
ClientSampleId :

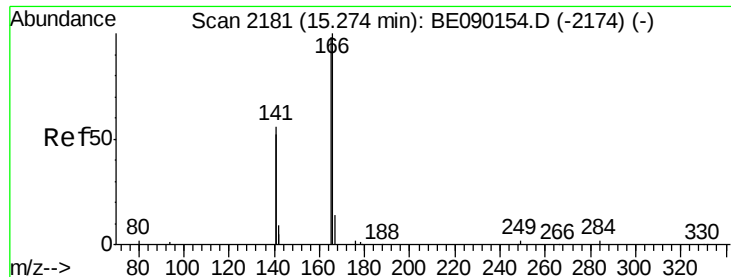
Tot Ion:172 Resp: 12360
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 24.0 19.7 29.5



#16
Acenaphthene
Concen: 0.04 ng
RT: 14.28 min Scan# 2087
Delta R.T. 0.00 min
Lab File: BE090177.D
Acq: 20 Jul 2015 16:15

Tgt Ion:154 Resp: 152
Ion Ratio Lower Upper
154 100
153 525.0 376.9 565.3
152 295.4 199.0 298.6





#17

Fluorene

Concen: 0.06 ng

RT: 15.27 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

Instrument :

BNA_E

ClientSampled :

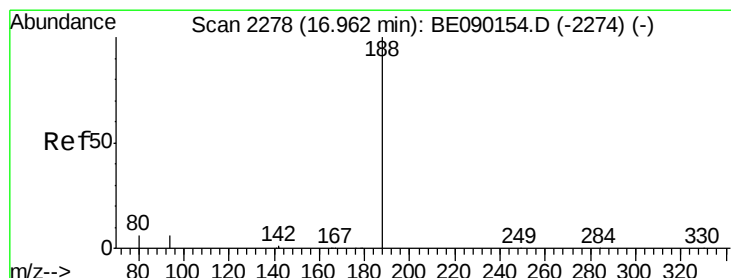
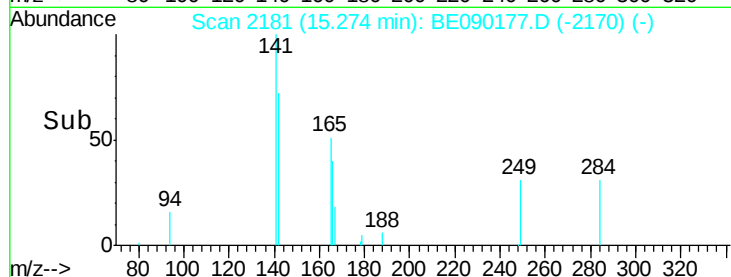
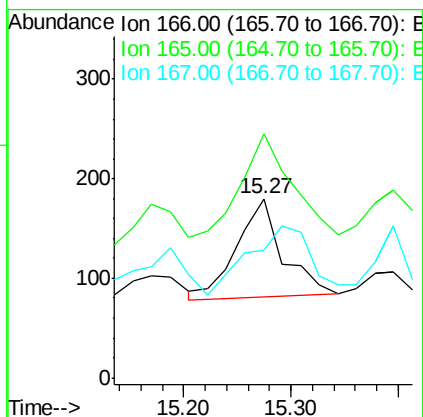
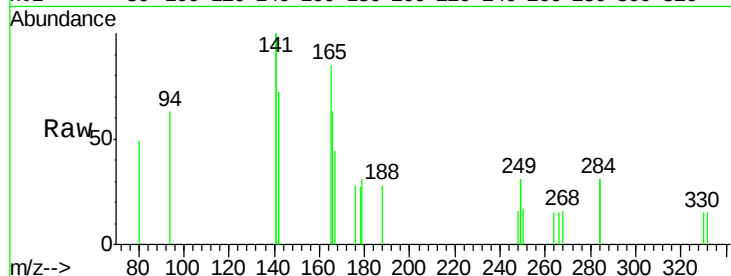
Tot Ion:166 Resp: 293

Ion Ratio Lower Upper

166 100

165 145.1 81.5 122.3#

167 98.3 11.9 17.9#



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.96 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

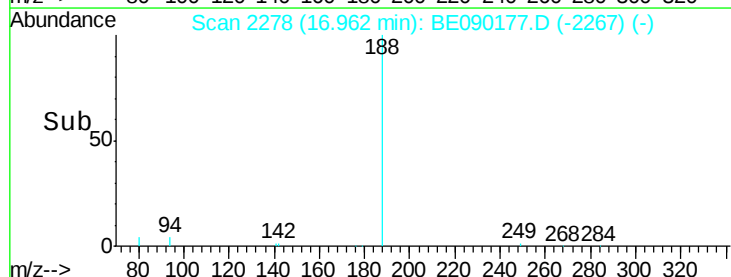
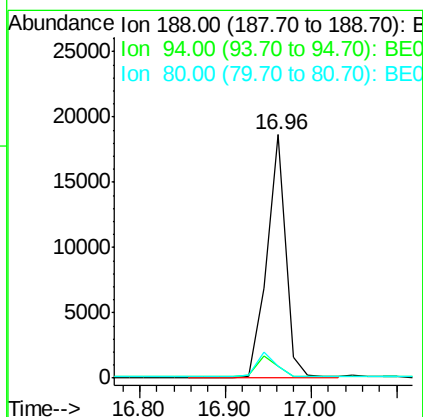
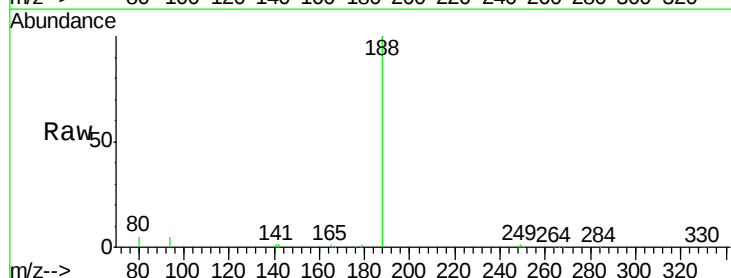
Tgt Ion:188 Resp: 28517

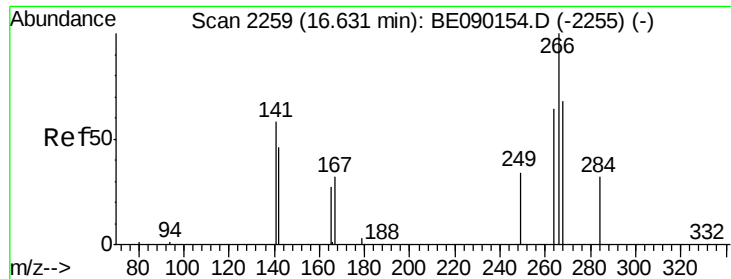
Ion Ratio Lower Upper

188 100

94 4.9 4.6 7.0

80 4.9 4.6 6.8

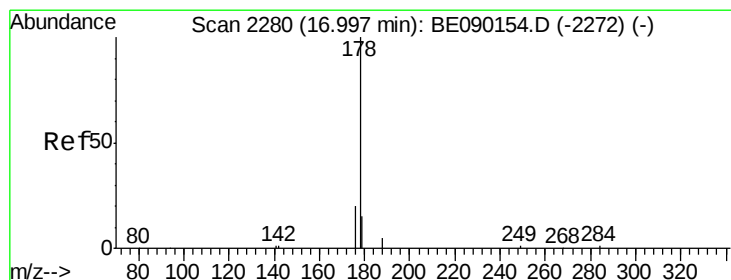
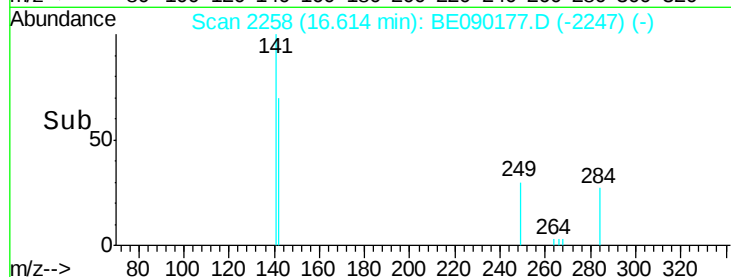
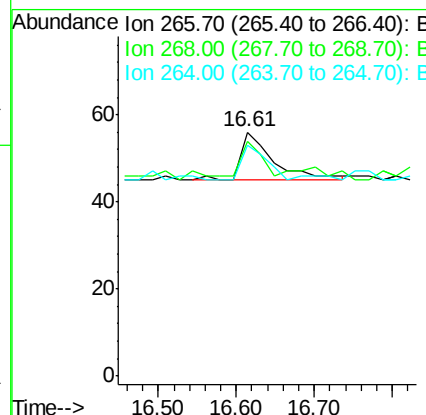
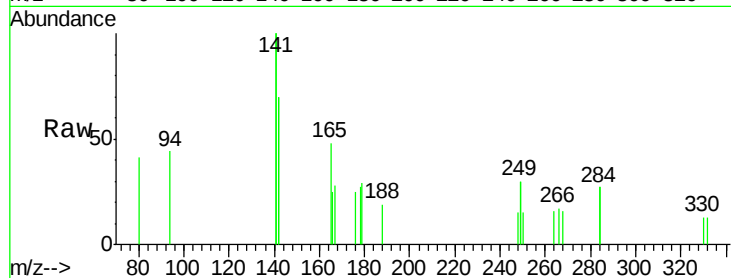




#21
 Pentachlorophenol
 Concen: 0.36 ng
 RT: 16.61 min Scan# 2258
 Delta R.T. -0.02 min
 Lab File: BE090177.D
 Acq: 20 Jul 2015 16:15

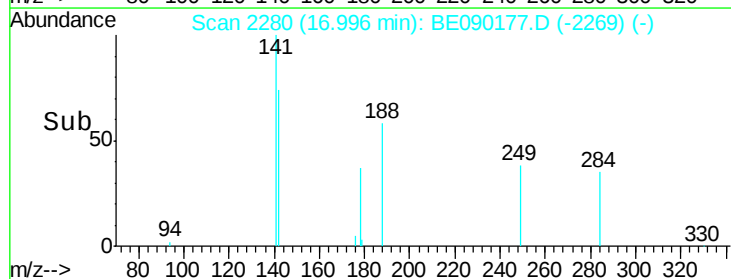
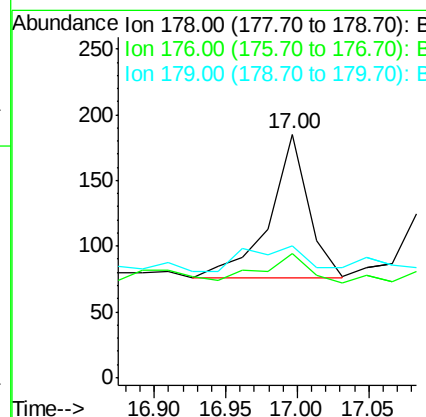
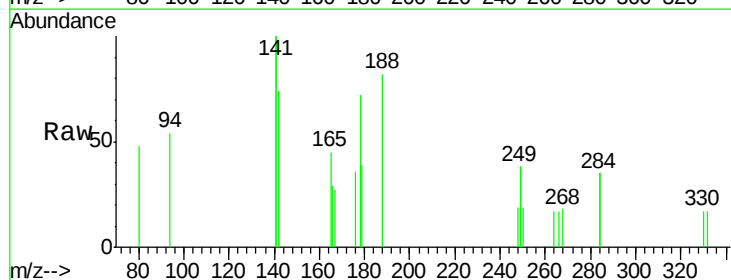
Instrument :
 BNA_E
 ClientSampleId :

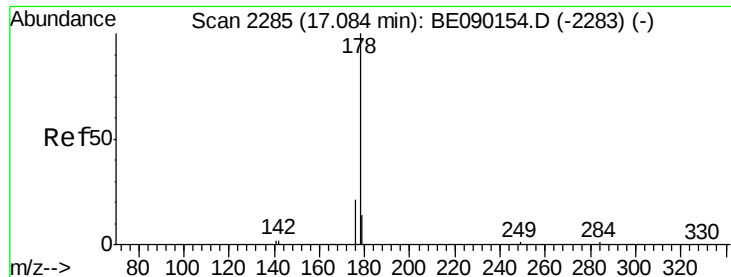
Tot Ion	Ratio	Lower	Upper
266	100		
268	96.4	58.2	87.4#
264	94.6	55.0	82.4#



#22
 Phenanthrene
 Concen: 0.03 ng
 RT: 17.00 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE090177.D
 Acq: 20 Jul 2015 16:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.6	15.9	23.9
179	26.9	12.5	18.7#





#23

Anthracene

Concen: 0.02 ng

RT: 17.08 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

Instrument :

BNA_E

ClientSampled :

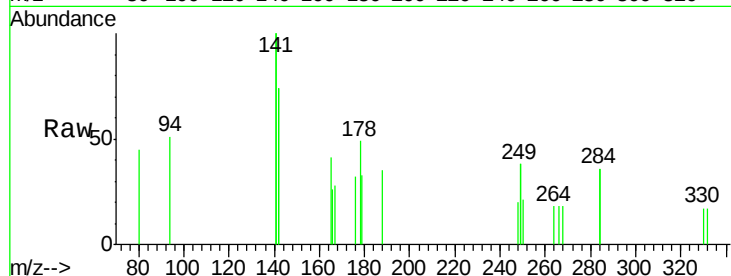
Tot Ion:178 Resp: 132

Ion Ratio Lower Upper

178 100

176 34.1 15.4 23.2#

179 0.0 12.2 18.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

250

200

150

100

50

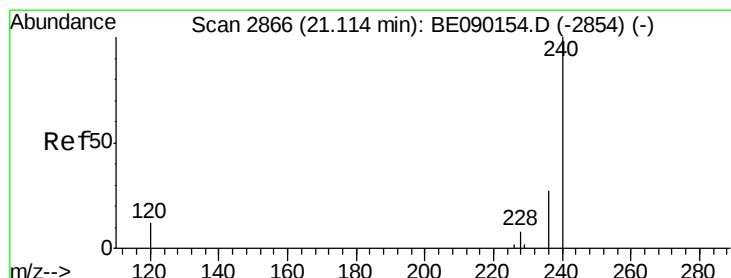
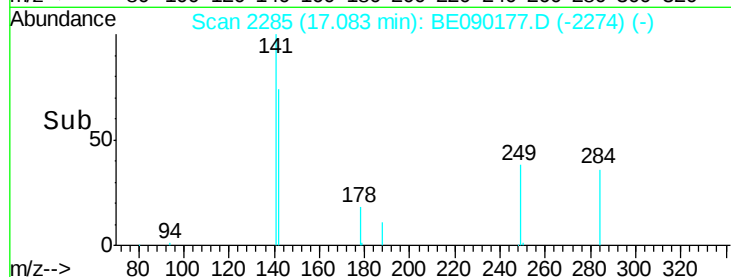
0

17.00

17.10

17.20

Time-->



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.11 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BE090177.D

Acq: 20 Jul 2015 16:15

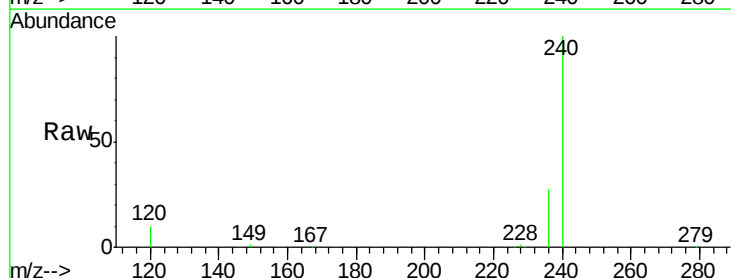
Tgt Ion:240 Resp: 25710

Ion Ratio Lower Upper

240 100

120 9.8 9.4 14.0

236 26.7 21.8 32.8



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

25000

20000

15000

10000

5000

0

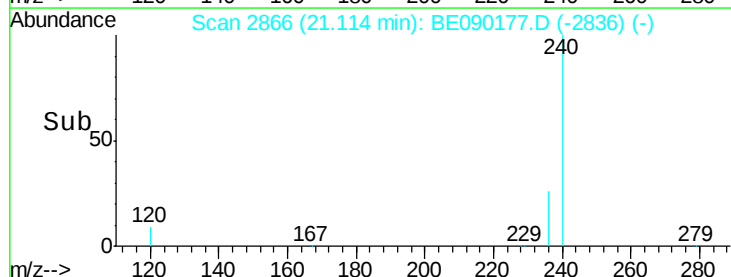
21.00

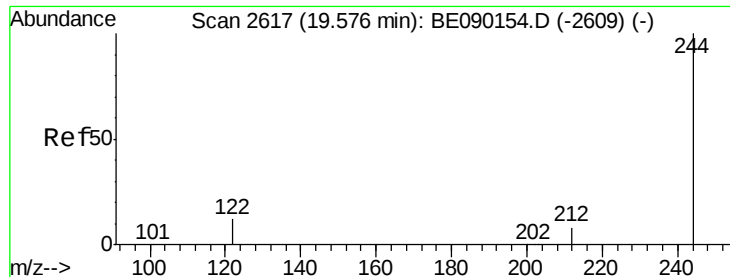
21.10

21.20

21.30

Time-->

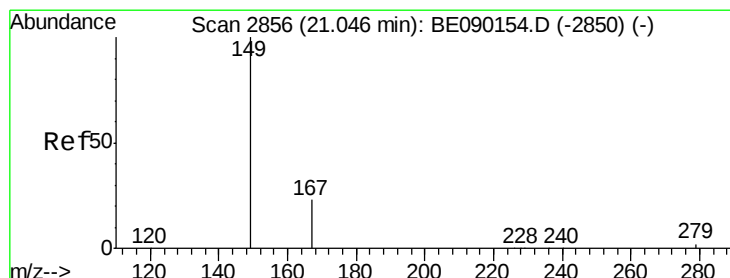
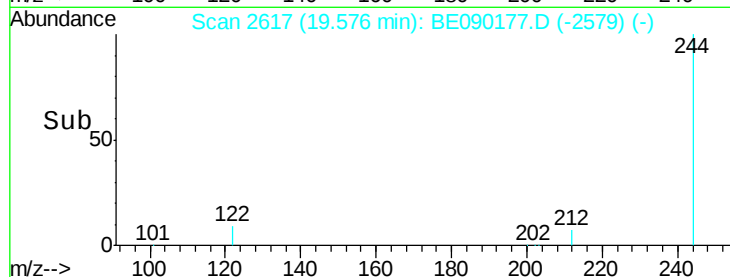
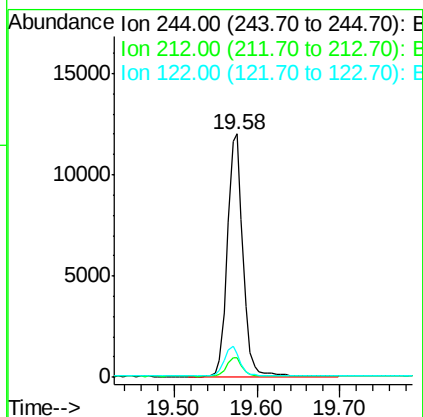
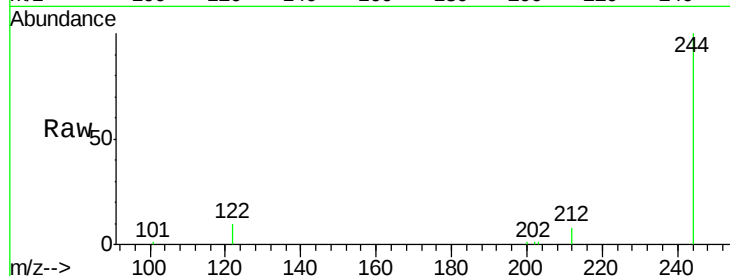




#27
 Terphenyl-d14
 Concen: 3.67 ng
 RT: 19.58 min Scan# 2617
 Delta R.T. -0.00 min
 Lab File: BE090177.D
 Acq: 20 Jul 2015 16:15

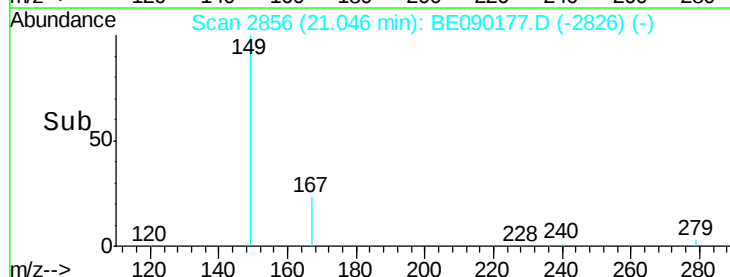
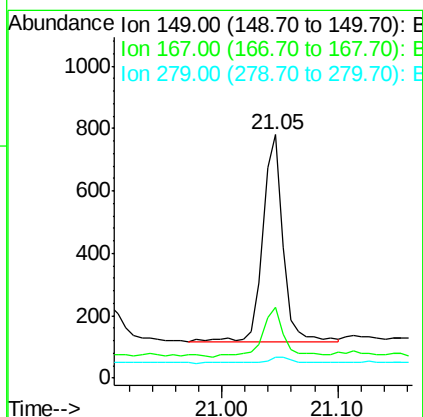
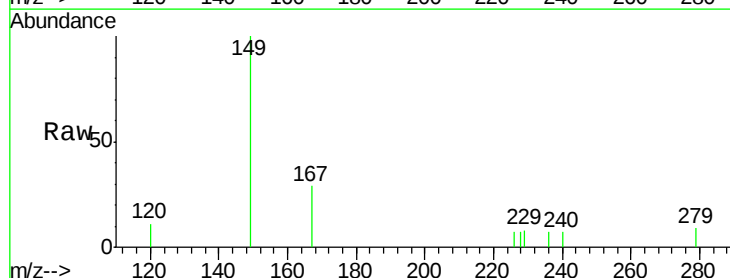
Instrument :
 BNA_E
 ClientSampleId :

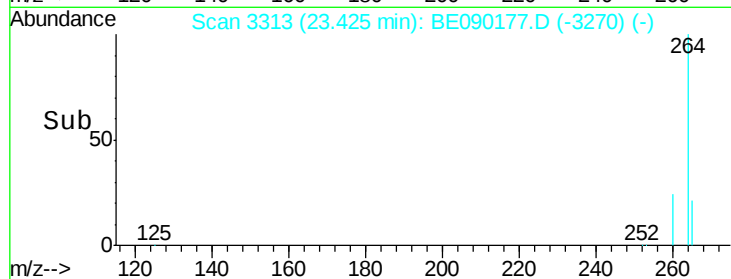
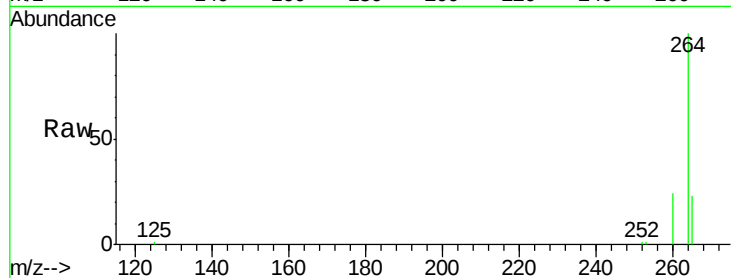
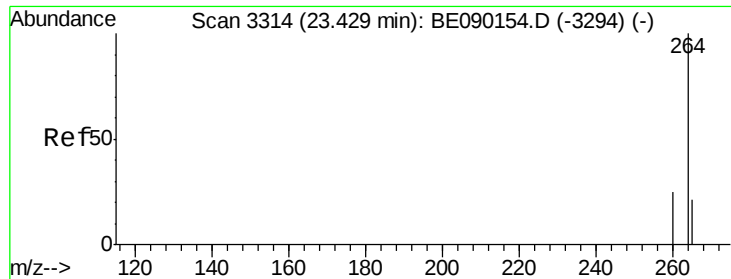
Tot Ion:244 Resp: 15776
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 9.8 9.8 14.6



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.26 ng
 RT: 21.05 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BE090177.D
 Acq: 20 Jul 2015 16:15

Tgt Ion:149 Resp: 793
 Ion Ratio Lower Upper
 149 100
 167 26.0 18.6 28.0
 279 3.5 2.2 3.4#





#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.42 min Scan# 3313
 Delta R.T. -0.00 min
 Lab File: BE090177.D
 Acq: 20 Jul 2015 16:15

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 264 Resp: 25062
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.8 29.8
 265 22.6 17.4 26.2

