

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092315\
 Data File : BE090951.D
 Acq On : 23 Sep 2015 16:10
 Operator : UM/IZ
 Sample : PB85559BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85559BL

Quant Time: Sep 23 19:04:44 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE091815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 18 18:17:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	31874	5.00	ng	0.00
7) Naphthalene-d8	10.32	136	128933	5.00	ng	0.02
13) Acenaphthene-d10	14.17	164	79671	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	187207	5.00	ng	0.00
26) Chrysene-d12	21.07	240	236678	5.00	ng	0.00
33) Perylene-d12	23.36	264	211498	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.17	112	43077	6.02	ng	-0.01
5) Phenol-d6	6.79	99	43578	4.39	ng	0.03
8) Nitrobenzene-d5	8.73	82	22269	2.51	ng	0.03
14) 2,4,6-Tribromophenol	15.69	330	14171	5.04	ng	0.00
15) 2-Fluorobiphenyl	12.81	172	58951	2.61	ng	0.01
28) Terphenyl-d14	19.53	244	115437	4.30	ng	0.00

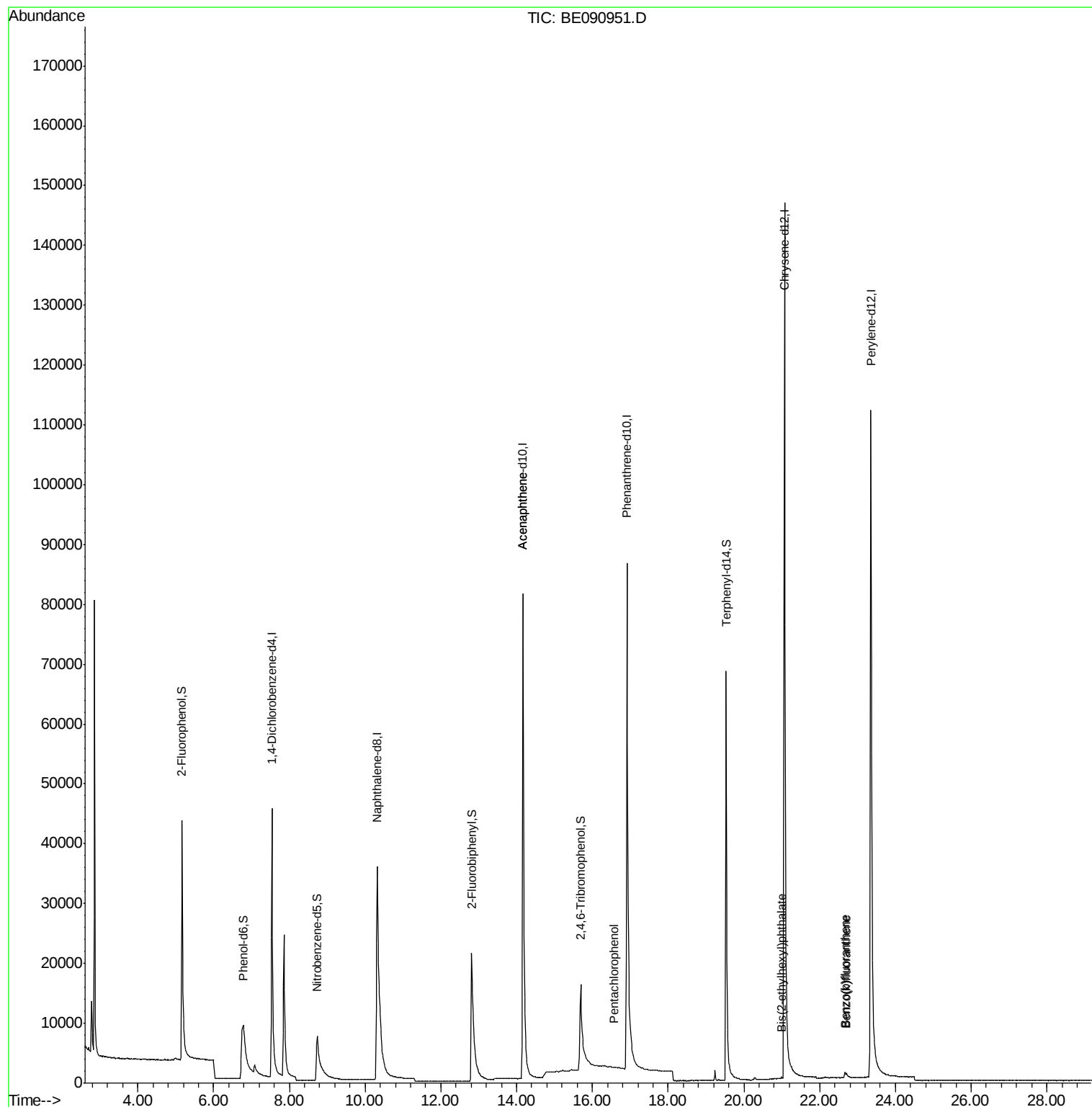
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	31	Below Cal	#	1
3) n-Nitrosodimethylamine	3.48	42	41	Below Cal	#	6
6) bis(2-Chloroethyl)ether	6.98	93	13	Below Cal	#	16
10) Naphthalene	10.35	128	113	Below Cal	#	1
11) Hexachlorobutadiene	10.66	225	4	Below Cal	#	4
17) Acenaphthene	14.17	154	444	0.02	ng	1
18) Fluorene	15.29	166	124	Below Cal	#	62
21) Hexachlorobenzene	16.23	284	69	Below Cal	#	37
22) Pentachlorophenol	16.58	266	17	0.18	ng	60
23) Phenanthrene	16.96	178	333	Below Cal	#	57
30) Chrysene	21.11	228	1518	Below Cal	#	88
31) Bis(2-ethylhexyl)phthalate	21.00	149	336	0.18	ng	95
34) Benzo(b)fluoranthene	22.67	252	1528	0.03	ng	60
35) Benzo(k)fluoranthene	22.71	252	1434	0.03	ng	60

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092315\
Data File : BE090951.D
Acq On : 23 Sep 2015 16:10
Operator : UM/IZ
Sample : PB85559BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85559BL

Quant Time: Sep 23 19:04:44 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE091815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 18:17:34 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.54 min Scan# 725

Delta R.T. -0.01 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

PB85559BL

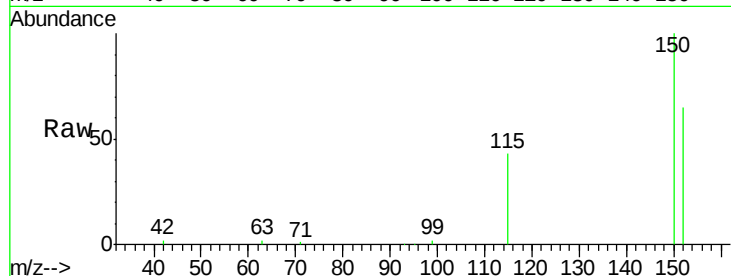
Tgt Ion:152 Resp: 31874

Ion Ratio Lower Upper

152 100

150 154.6 122.2 183.4

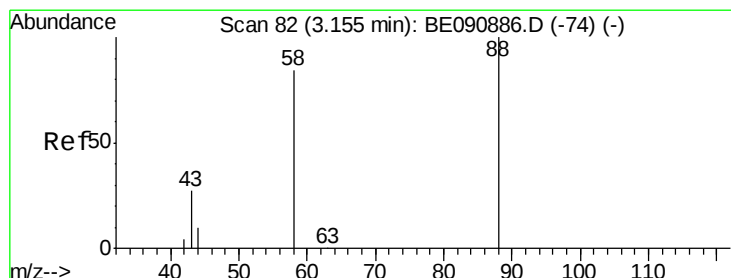
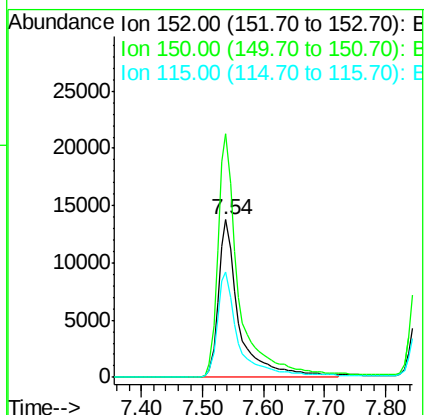
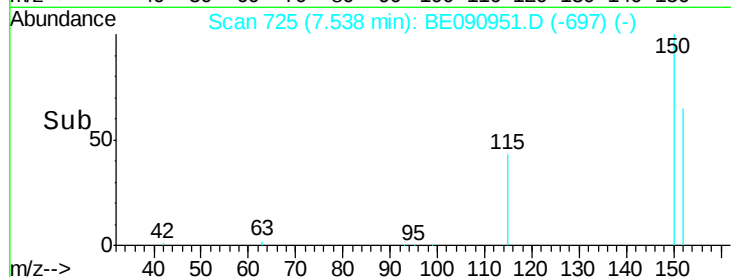
115 66.8 51.0 76.4



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: 3.22 min Scan# 92

Delta R.T. 0.07 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

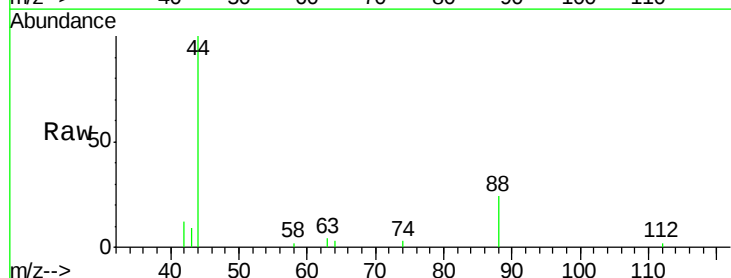
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

58 22.6 68.4 102.6#

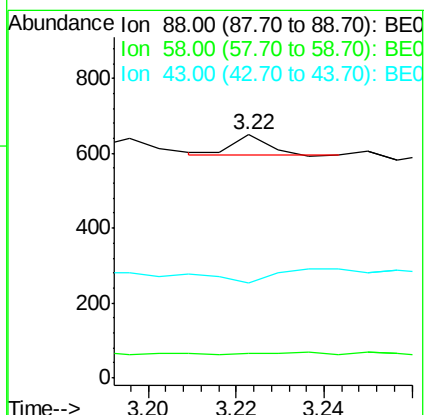
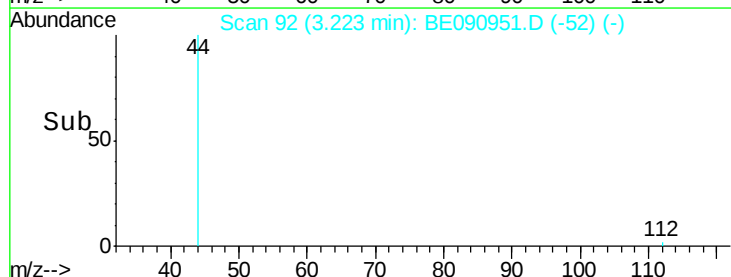
43 367.7 26.9 40.3#



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



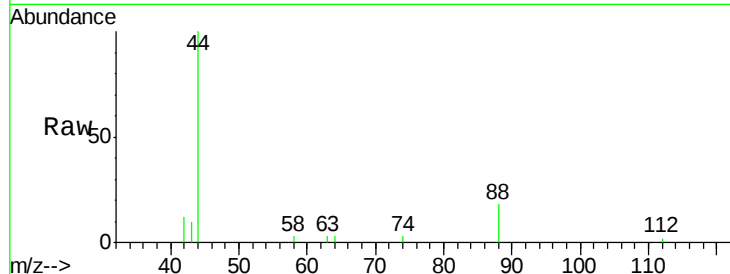


#3

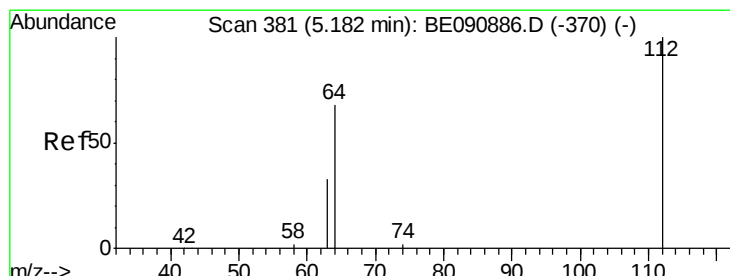
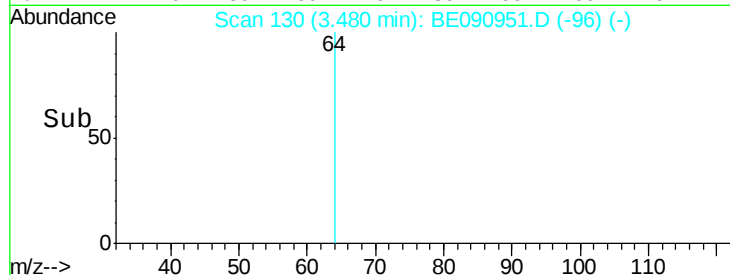
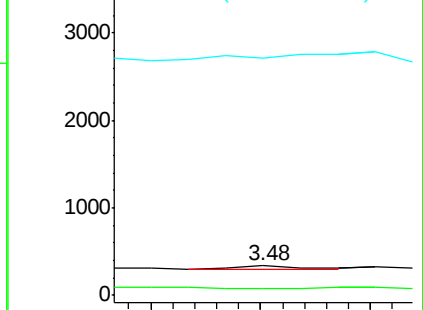
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.48 min Scan# 130
 Delta R.T. 0.03 min
 Lab File: BE090951.D
 Acq: 23 Sep 2015 16:10

Instrument :
 BNA_E
 ClientSampleId :
 PB85559BL

Tgt Ion: 42 Resp: 41
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 0.0 10.0 15.0#



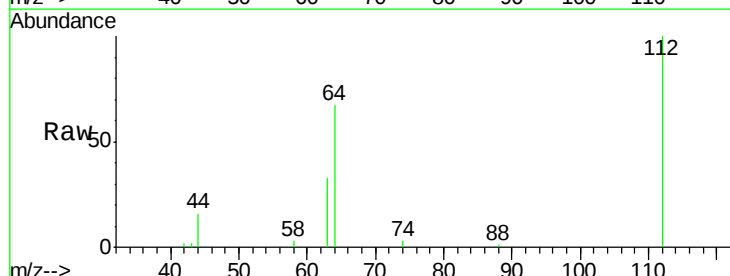
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



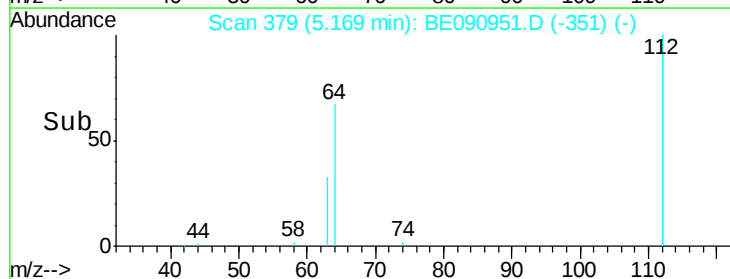
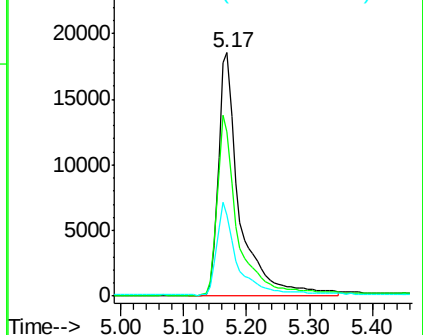
#4

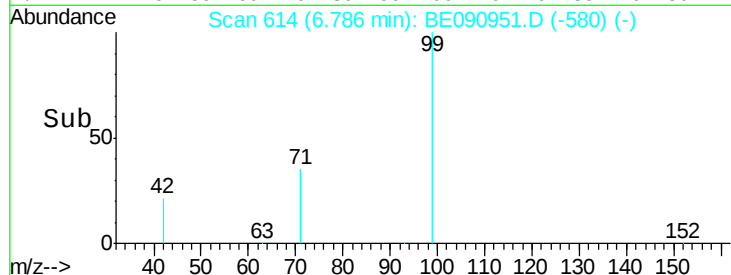
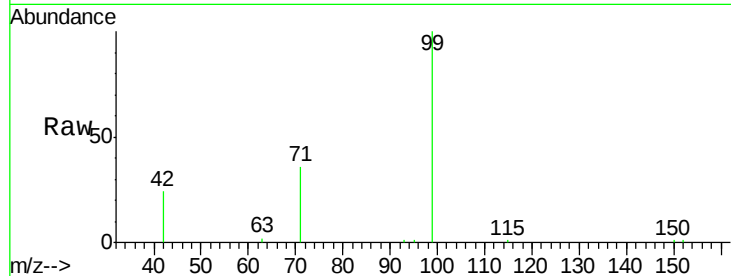
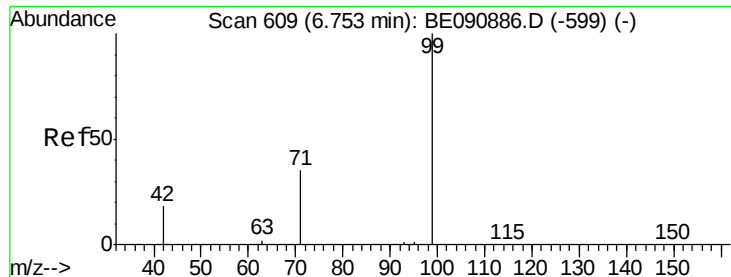
2-Fluorophenol
 Concen: 6.02 ng
 RT: 5.17 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: BE090951.D
 Acq: 23 Sep 2015 16:10

Tgt Ion: 112 Resp: 43077
 Ion Ratio Lower Upper
 112 100
 64 72.2 57.3 85.9
 63 37.3 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: 4.39 ng

RT: 6.79 min Scan# 614

Delta R.T. 0.03 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

PB85559BL

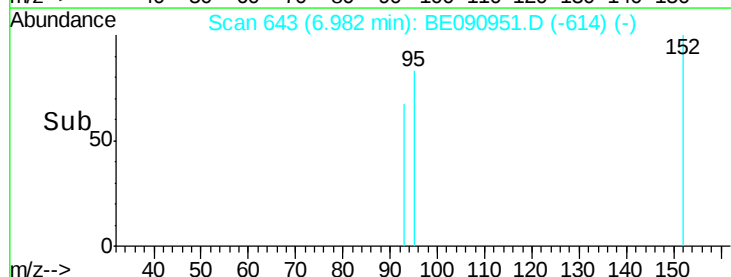
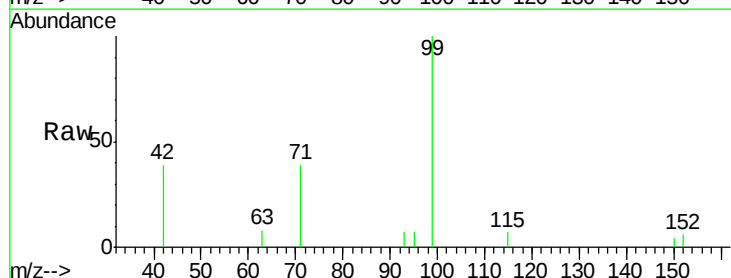
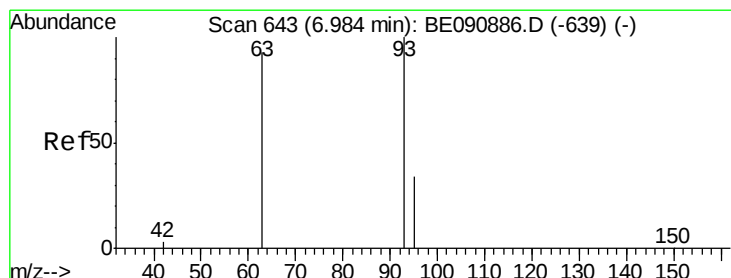
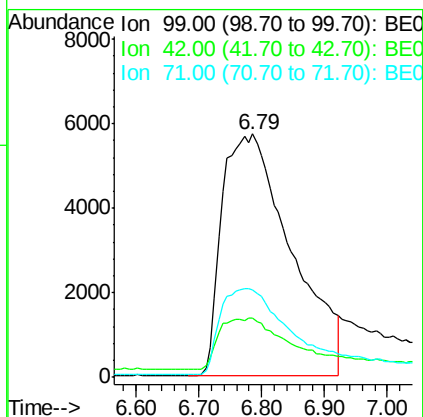
Tgt Ion: 99 Resp: 43578

Ion Ratio Lower Upper

99 100

42 0.0 16.8 25.2#

71 36.1 28.3 42.5



#6

bis(2-Chloroethyl)ether

Concen: Below Cal

RT: 6.98 min Scan# 643

Delta R.T. -0.00 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

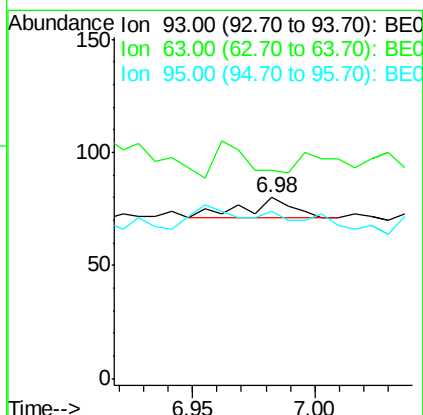
Tgt Ion: 93 Resp: 13

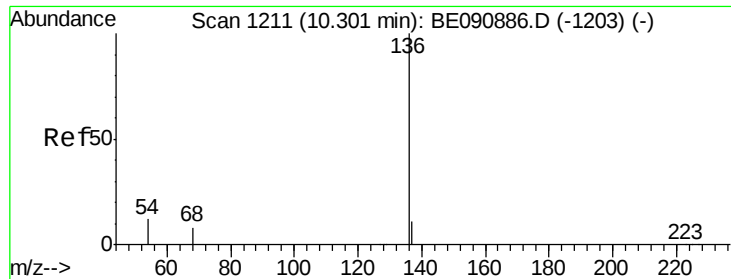
Ion Ratio Lower Upper

93 100

63 0.0 68.5 102.7#

95 0.0 26.9 40.3#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.32 min Scan# 1213

Delta R.T. 0.02 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

PB85559BL

Tgt Ion: 136 Resp: 128933

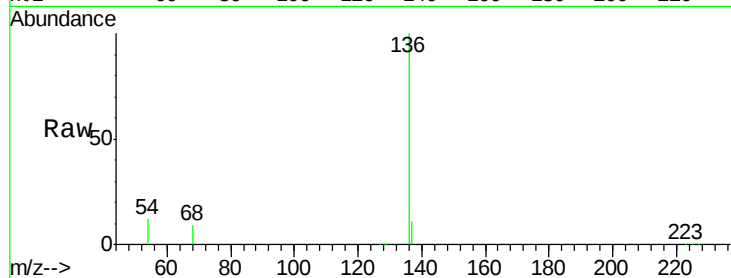
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.8 9.0 13.6

68 8.6 6.3 9.5

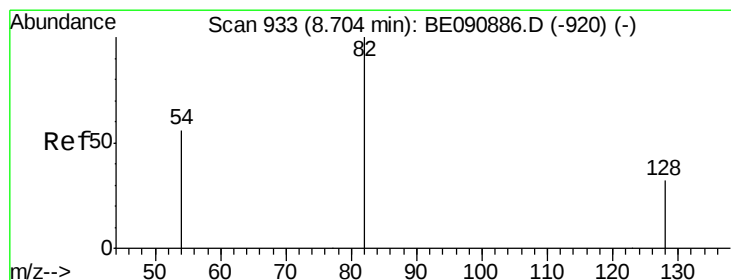
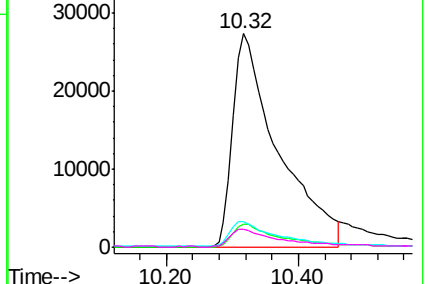
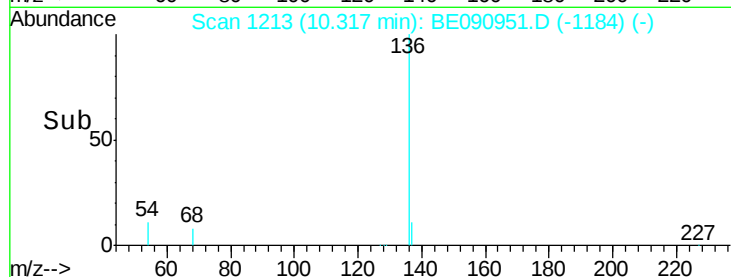


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 2.51 ng

RT: 8.73 min Scan# 939

Delta R.T. 0.03 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

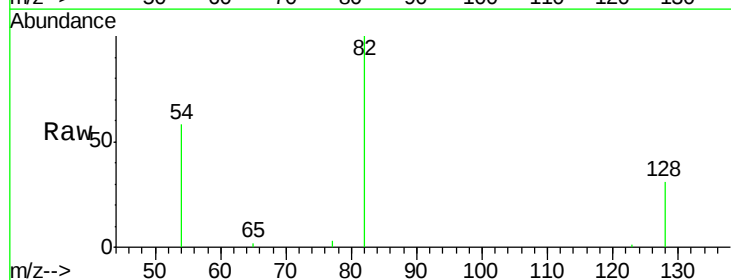
Tgt Ion: 82 Resp: 22269

Ion Ratio Lower Upper

82 100

128 30.7 25.0 37.4

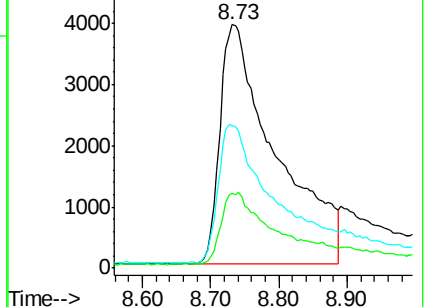
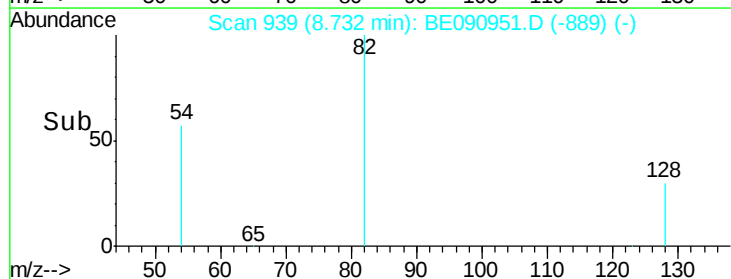
54 58.3 46.3 69.5

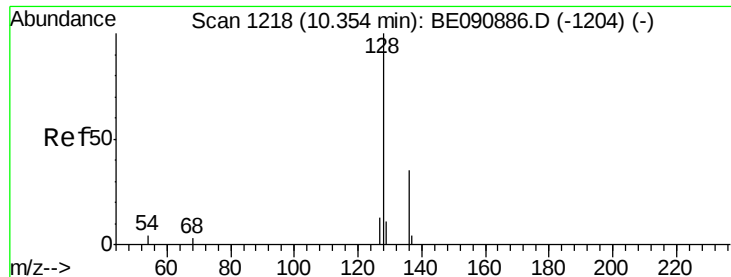


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Naphthalene

Concen: Below Cal

RT: 10.35 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Instrument :

BNA_E

ClientSampled :

PB85559BL

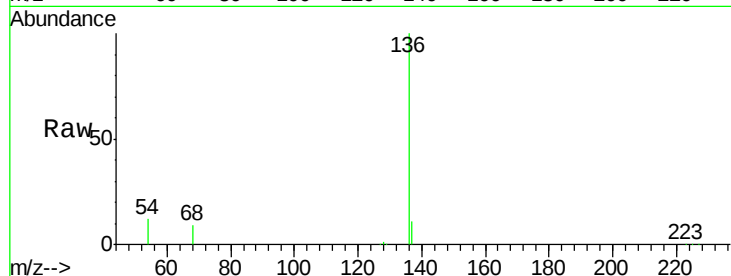
Tgt Ion:128 Resp: 113

Ion Ratio Lower Upper

128 100

129 68.0 8.4 12.6#

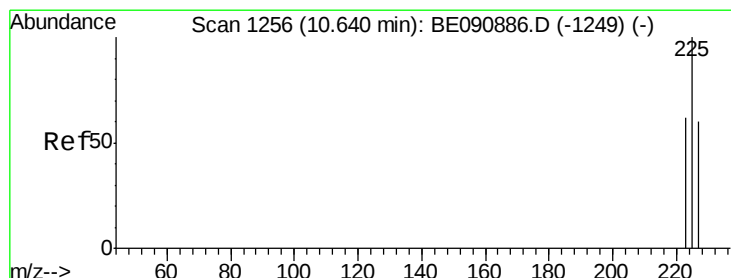
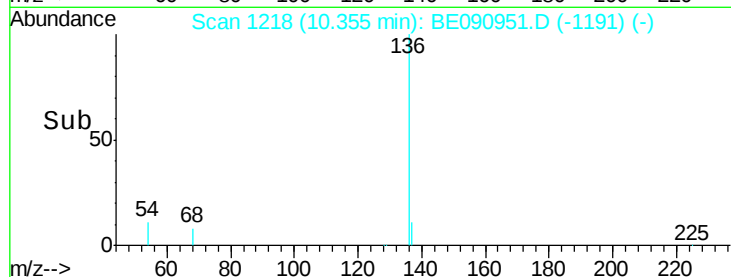
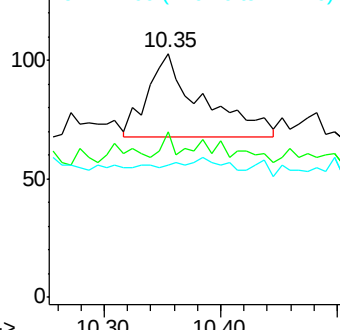
127 54.4 9.9 14.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

Hexachlorobutadiene

Concen: Below Cal

RT: 10.66 min Scan# 1259

Delta R.T. 0.02 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

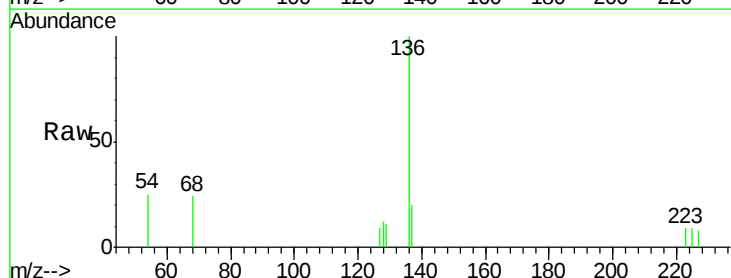
Tgt Ion:225 Resp: 4

Ion Ratio Lower Upper

225 100

223 175.0 50.6 76.0#

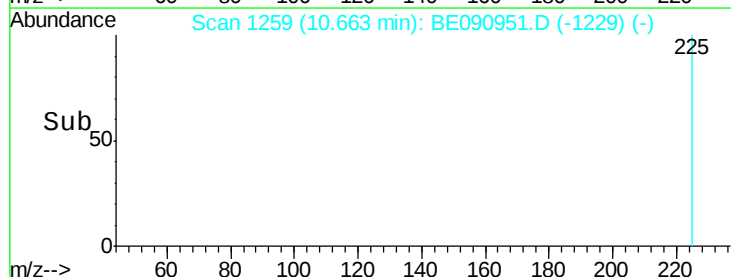
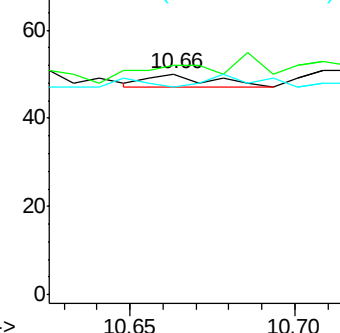
227 25.0 51.0 76.6#

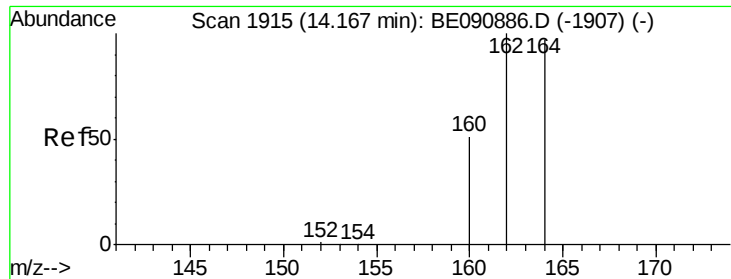


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 1916

Delta R.T. 0.00 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

PB85559BL

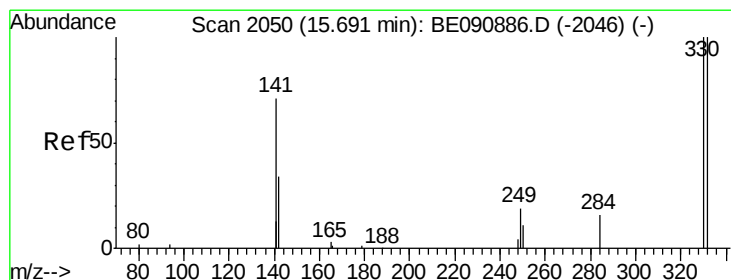
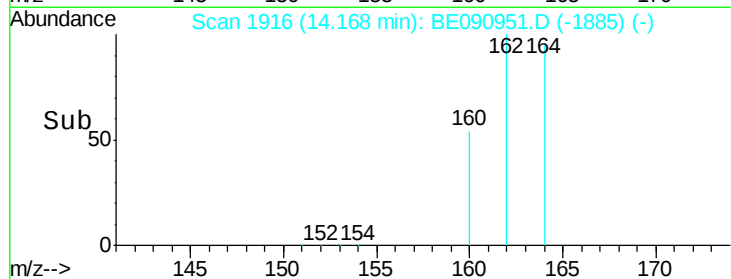
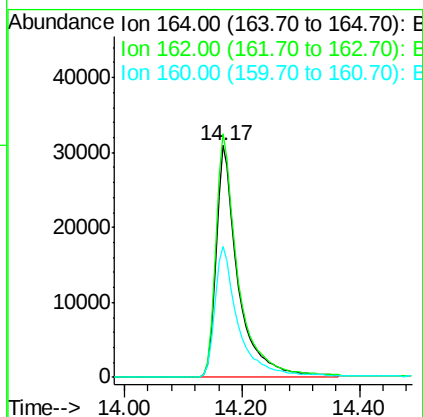
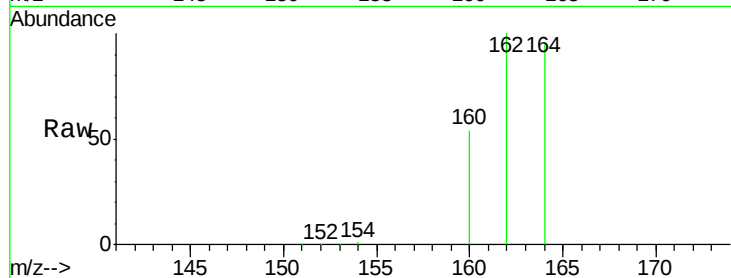
Tgt Ion:164 Resp: 79671

Ion Ratio Lower Upper

164 100

162 105.0 86.8 130.2

160 56.7 53.9 80.9



#14

2,4,6-Tribromophenol

Concen: 5.04 ng

RT: 15.69 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

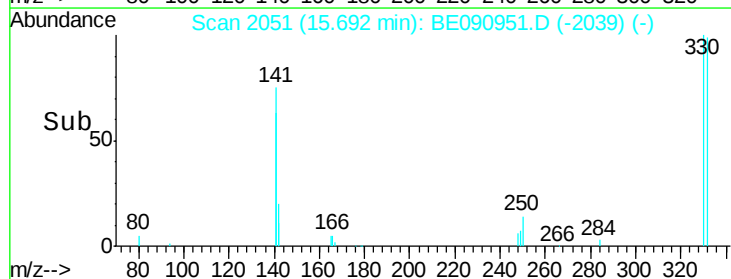
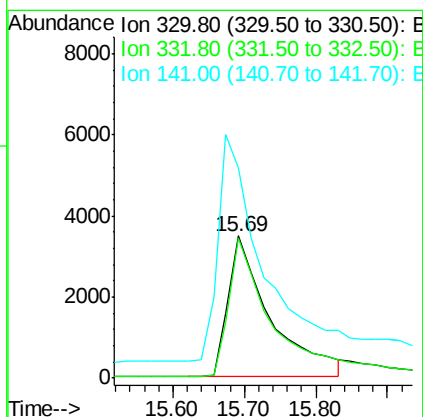
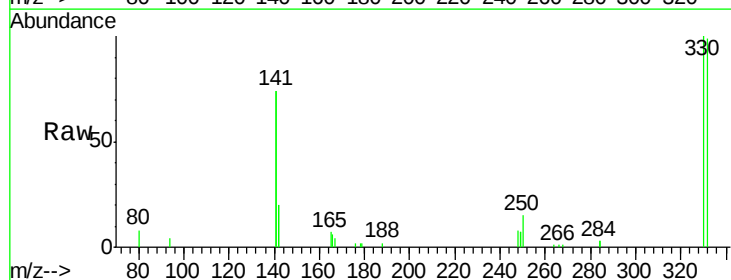
Tgt Ion:330 Resp: 14171

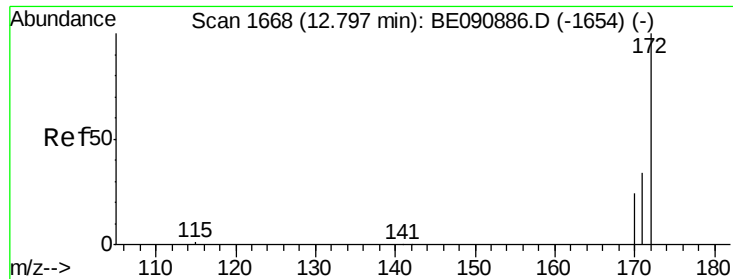
Ion Ratio Lower Upper

330 100

332 96.3 74.9 112.3

141 169.9 145.2 217.8

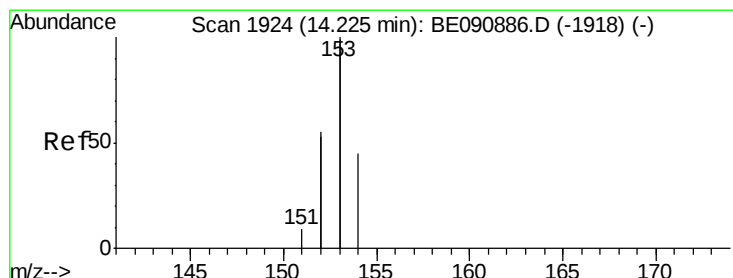
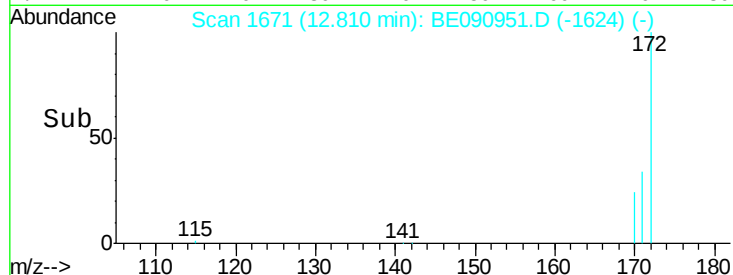
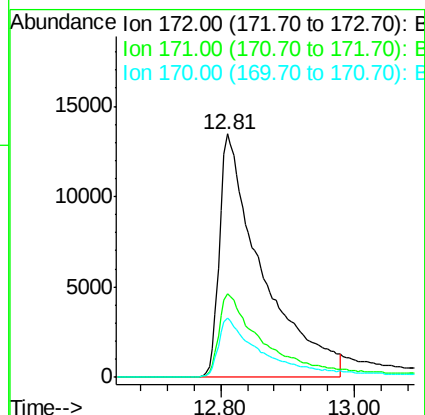
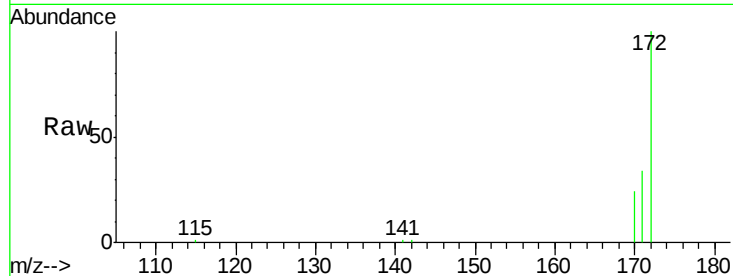




#15
2-Fluorobiphenyl
Concen: 2.61 ng
RT: 12.81 min Scan# 1671
Delta R.T. 0.01 min
Lab File: BE090951.D
Acq: 23 Sep 2015 16:10

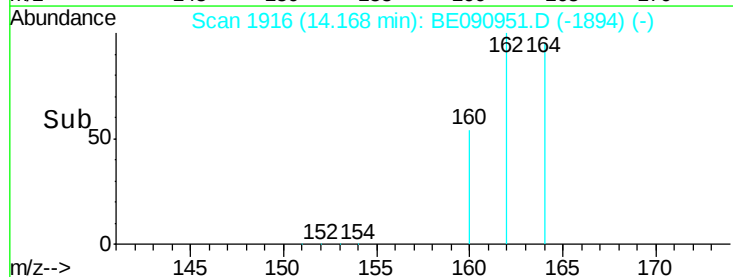
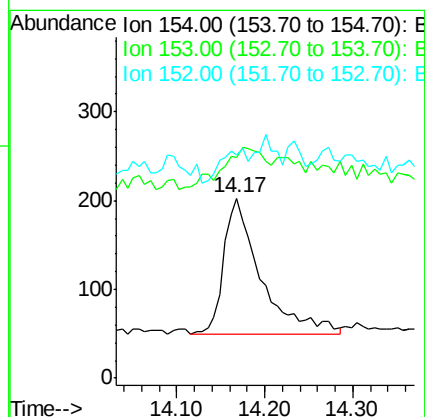
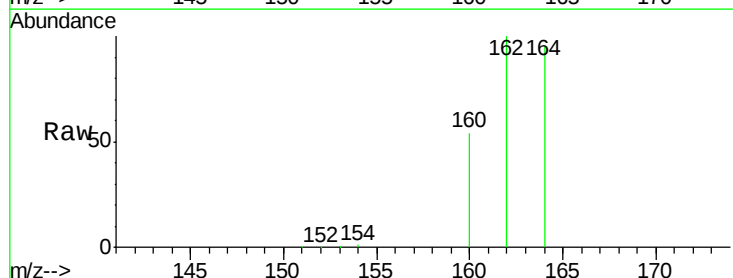
Instrument :
BNA_E
ClientSampleId :
PB85559BL

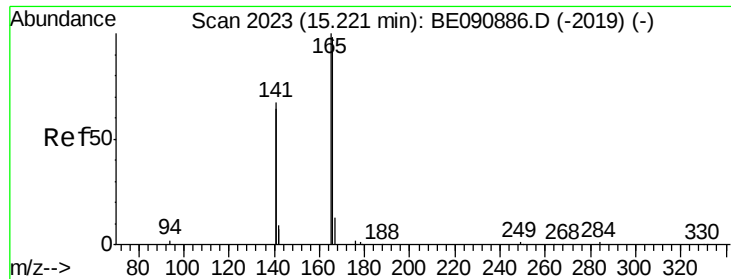
Tgt Ion:172 Resp: 58951
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.8
170 24.1 19.8 29.6



#17
Acenaphthene
Concen: 0.02 ng
RT: 14.17 min Scan# 1916
Delta R.T. -0.06 min
Lab File: BE090951.D
Acq: 23 Sep 2015 16:10

Tgt Ion:154 Resp: 444
Ion Ratio Lower Upper
154 100
153 31.8 354.5 531.7#
152 17.3 227.8 341.6#





#18

Fluorene

Concen: Below Cal

RT: 15.29 min Scan# 2028

Delta R.T. 0.07 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

PB85559BL

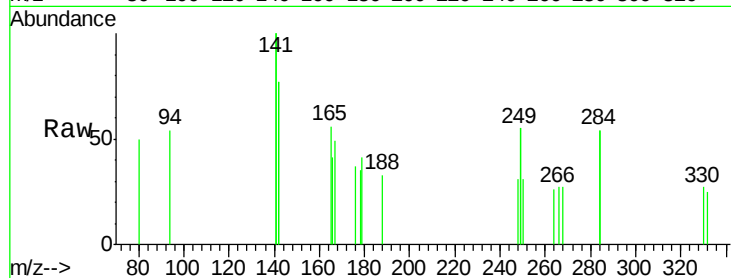
Tgt Ion:166 Resp: 124

Ion Ratio Lower Upper

166 100

165 91.9 82.7 124.1

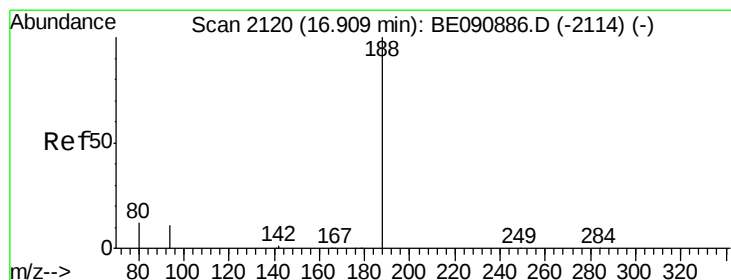
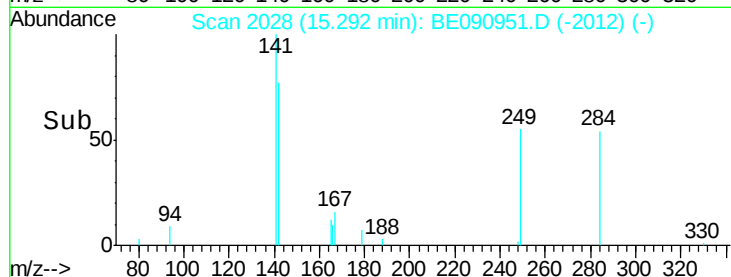
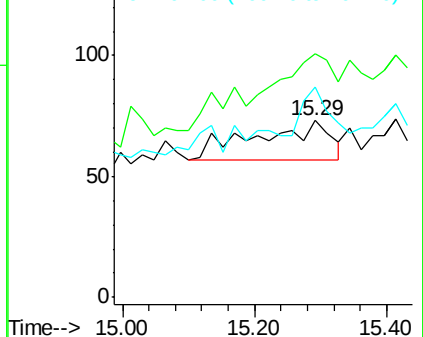
167 112.1 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

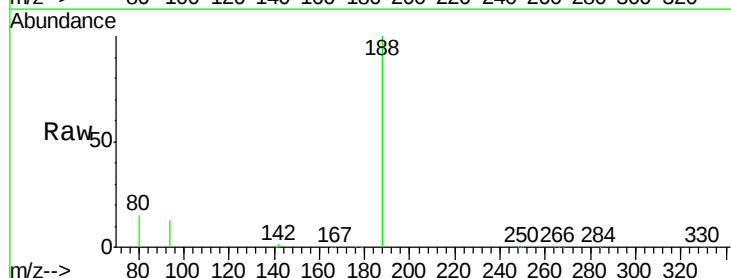
Tgt Ion:188 Resp: 187207

Ion Ratio Lower Upper

188 100

94 13.4 10.3 15.5

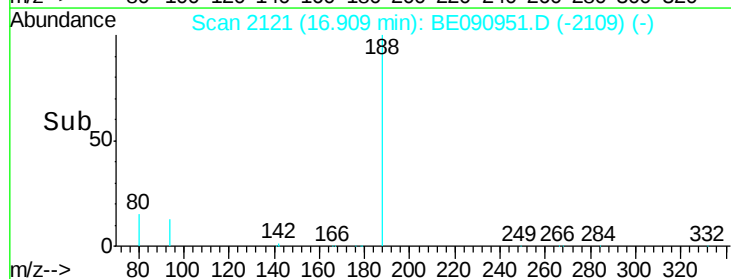
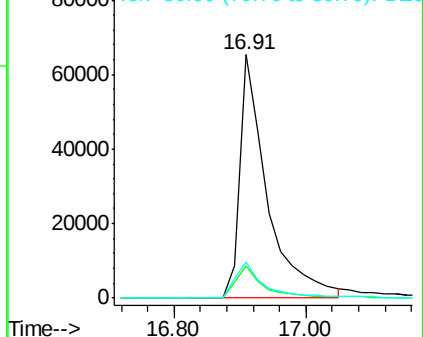
80 15.0 11.0 16.6

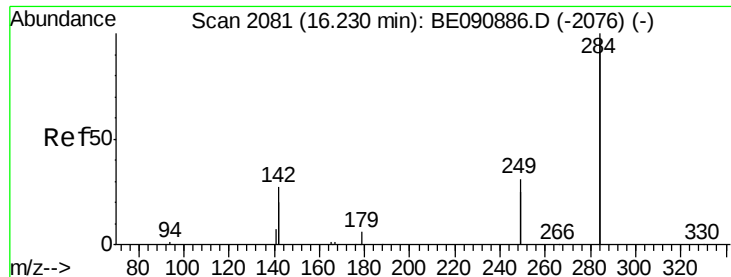


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

PB85559BL

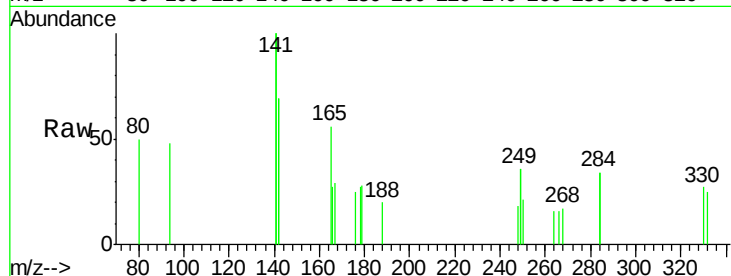
Tgt Ion:284 Resp: 69

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

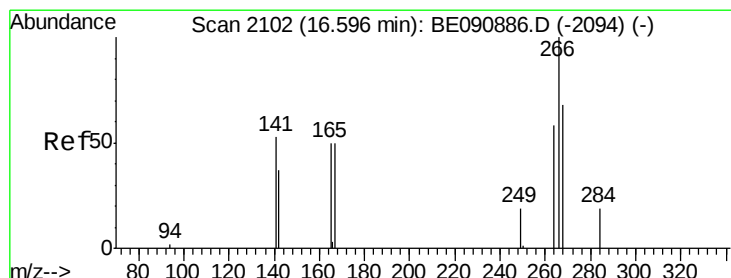
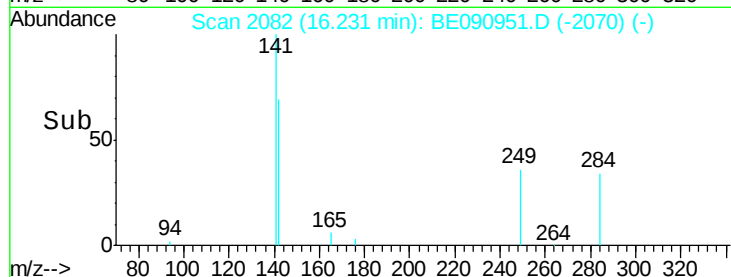
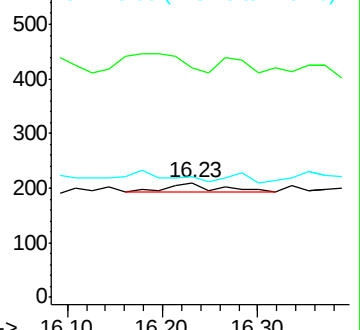
249 0.0 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.18 ng

RT: 16.58 min Scan# 2102

Delta R.T. -0.02 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

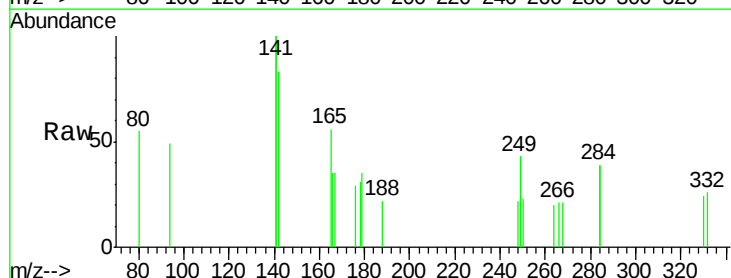
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

268 98.1 49.6 74.4#

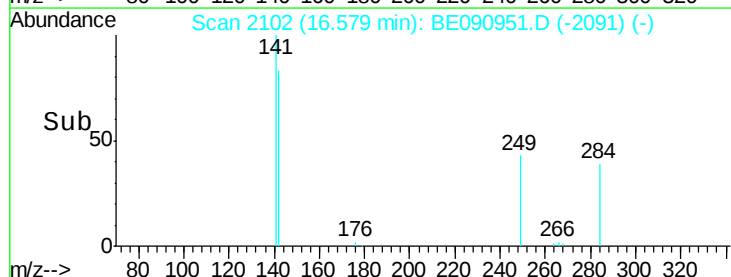
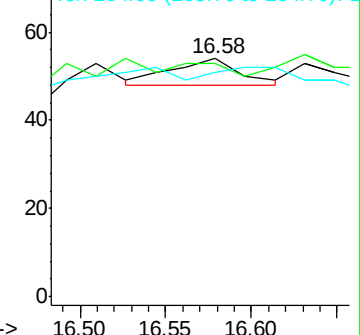
264 94.4 53.9 80.9#

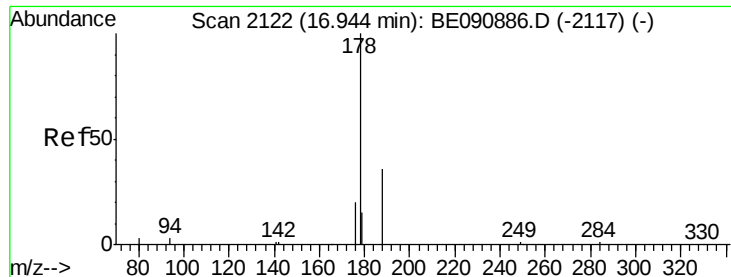


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

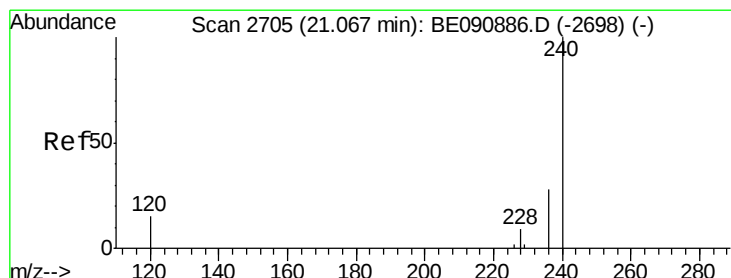
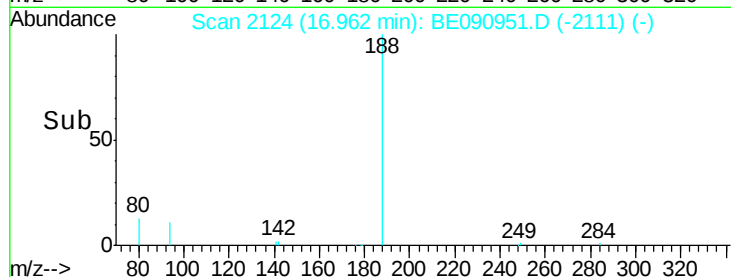
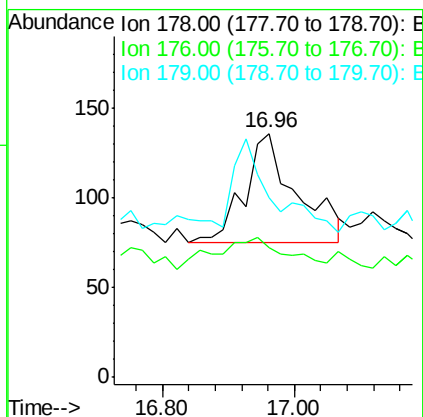
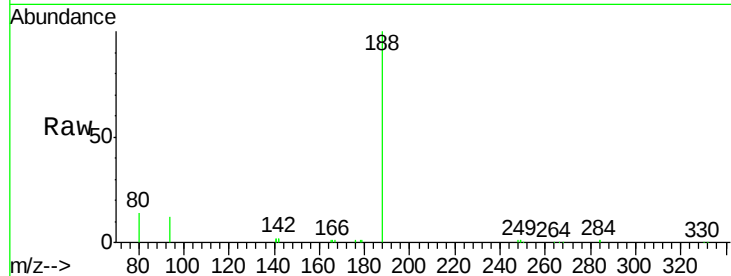




#23
Phenanthrene
Concen: Below Cal
RT: 16.96 min Scan# 2124
Delta R.T. 0.02 min
Lab File: BE090951.D
Acq: 23 Sep 2015 16:10

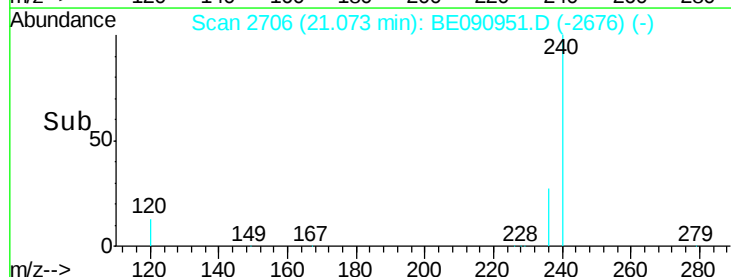
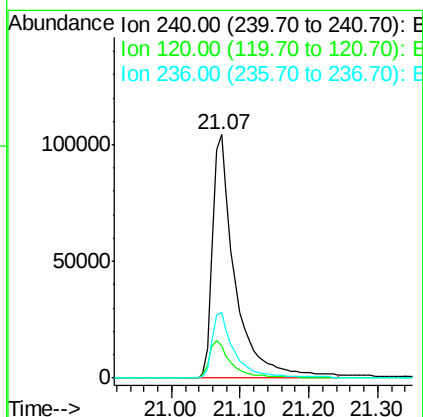
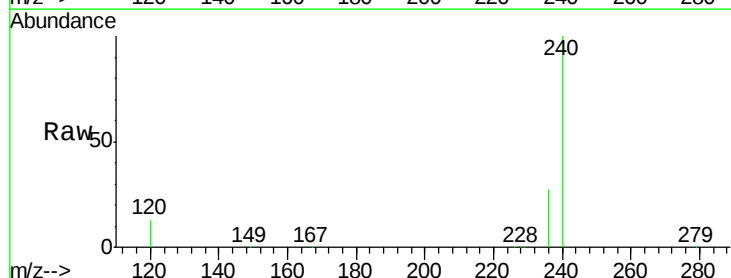
Instrument :
BNA_E
ClientSampleId :
PB85559BL

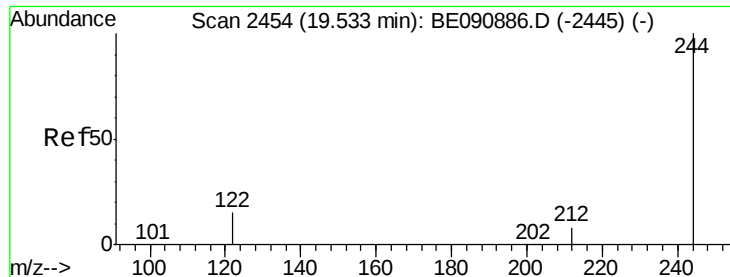
Tgt Ion:178 Resp: 333
Ion Ratio Lower Upper
178 100
176 40.8 15.6 23.4#
179 0.0 12.8 19.2#



#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2706
Delta R.T. 0.01 min
Lab File: BE090951.D
Acq: 23 Sep 2015 16:10

Tgt Ion:240 Resp: 236678
Ion Ratio Lower Upper
240 100
120 13.1 10.1 15.1
236 26.8 21.9 32.9





#28

Terphenyl-d14

Concen: 4.30 ng

RT: 19.53 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

PB85559BL

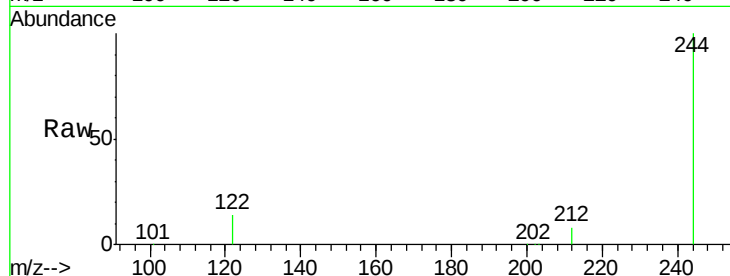
Tgt Ion:244 Resp: 115437

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

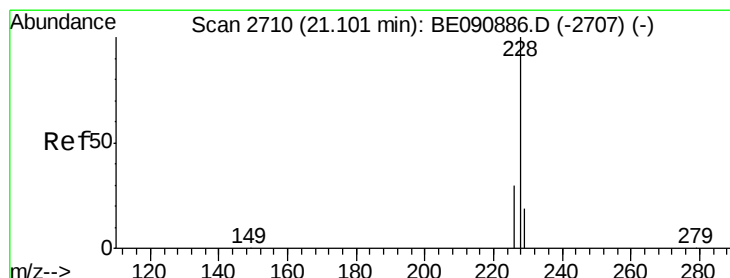
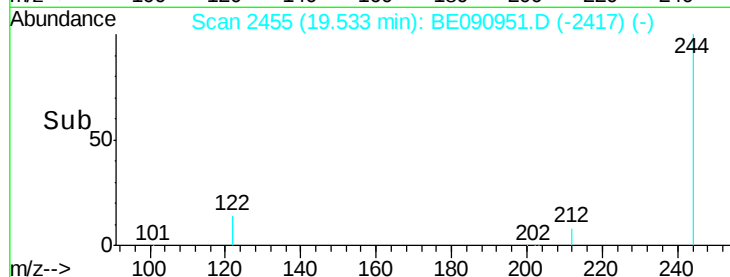
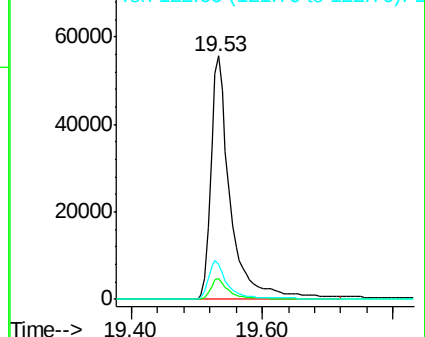
122 14.2 12.9 19.3



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



#30

Chrysene

Concen: Below Cal

RT: 21.11 min Scan# 2711

Delta R.T. 0.01 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

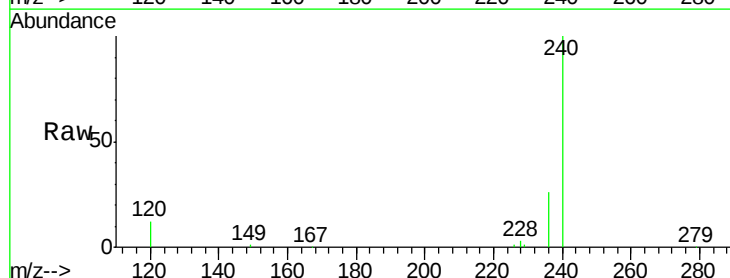
Tgt Ion:228 Resp: 1518

Ion Ratio Lower Upper

228 100

226 34.3 24.2 36.4

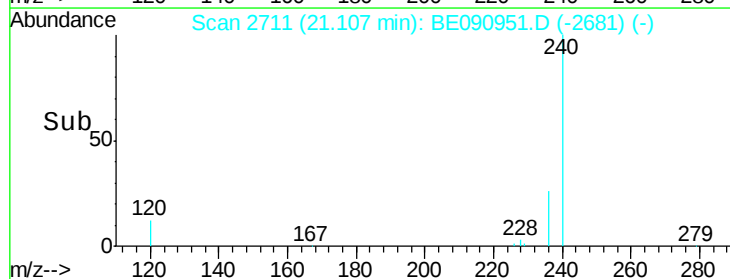
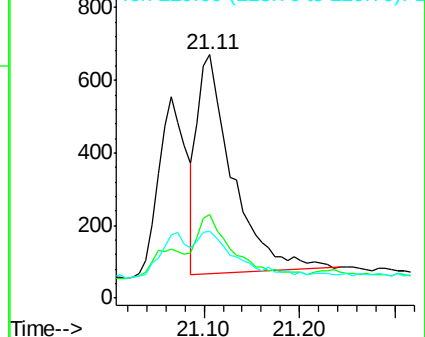
229 27.6 15.3 22.9#

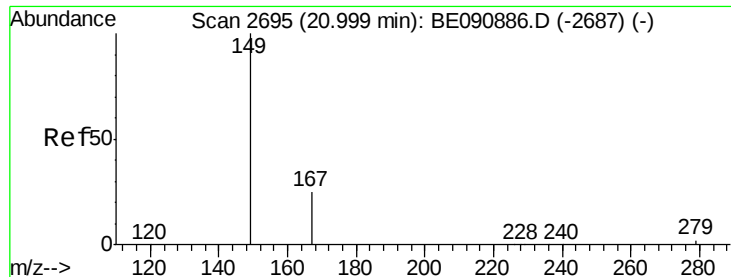


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

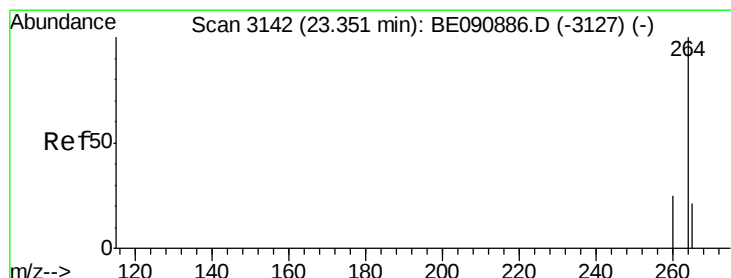
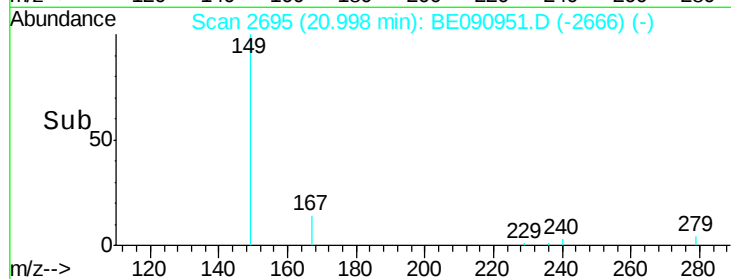
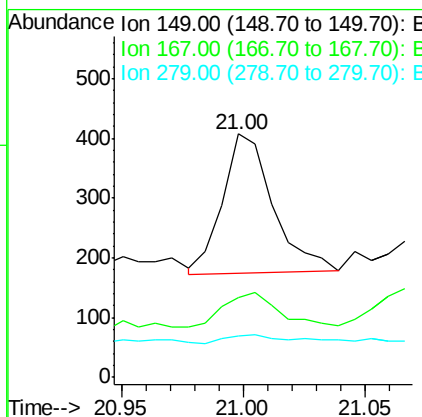
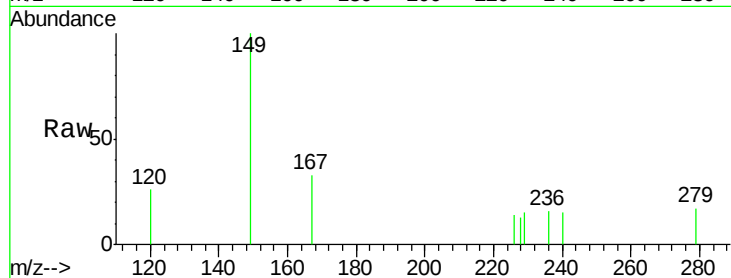




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.18 ng
 RT: 21.00 min Scan# 2695
 Delta R.T. -0.00 min
 Lab File: BE090951.D
 Acq: 23 Sep 2015 16:10

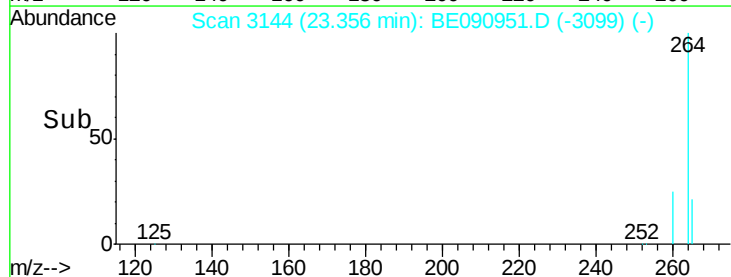
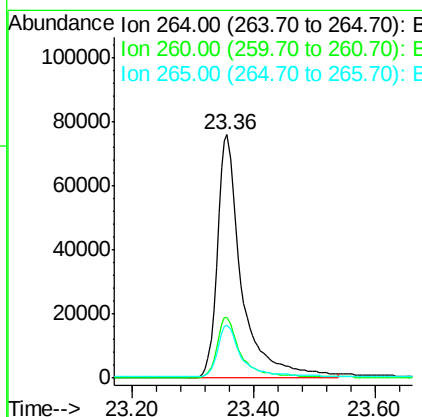
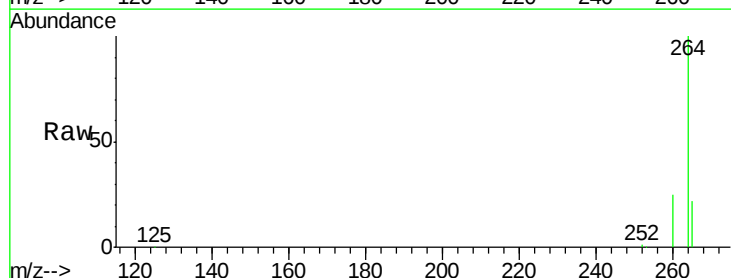
Instrument :
 BNA_E
 ClientSampleId :
 PB85559BL

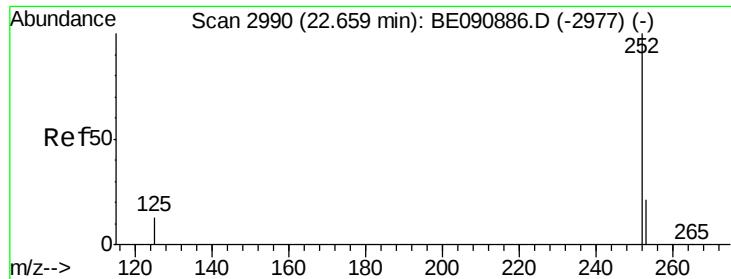
Tgt Ion:149 Resp: 336
 Ion Ratio Lower Upper
 149 100
 167 27.4 20.1 30.1
 279 6.0 2.3 3.5#



#33
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3144
 Delta R.T. 0.01 min
 Lab File: BE090951.D
 Acq: 23 Sep 2015 16:10

Tgt Ion:264 Resp: 211498
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.7 29.5
 265 21.9 17.5 26.3





#34

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.67 min Scan# 2993

Delta R.T. 0.01 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

PB85559BL

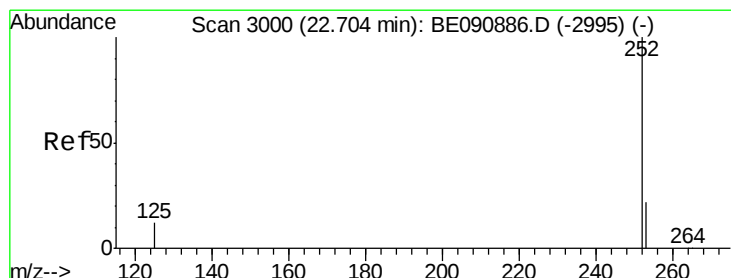
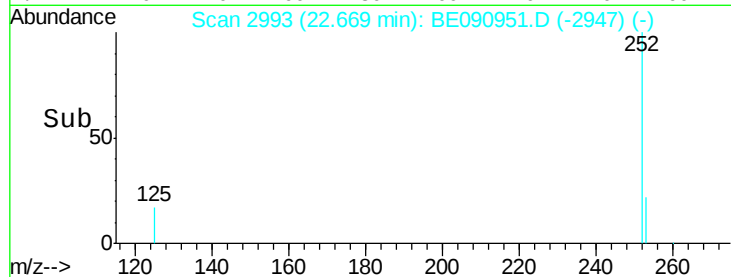
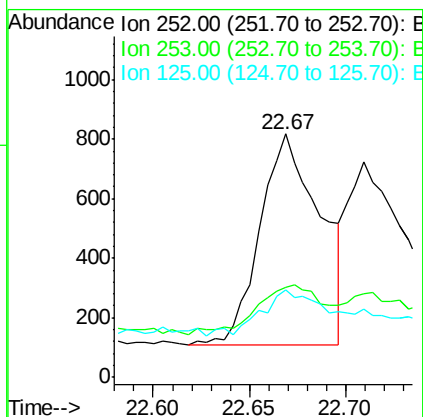
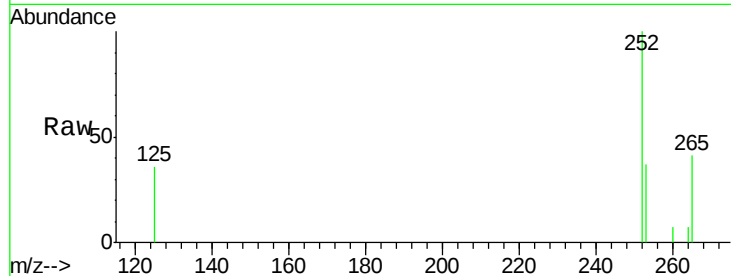
Tgt Ion:252 Resp: 1528

Ion Ratio Lower Upper

252 100

253 37.0 17.9 26.9#

125 35.9 10.6 16.0#



#35

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.71 min Scan# 3002

Delta R.T. 0.01 min

Lab File: BE090951.D

Acq: 23 Sep 2015 16:10

Tgt Ion:252 Resp: 1434

Ion Ratio Lower Upper

252 100

253 39.0 17.9 26.9#

125 32.0 10.1 15.1#

