

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102315\
 Data File : BE091044.D
 Acq On : 23 Oct 2015 21:32
 Operator : UM/NP
 Sample : G4143-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 23 23:47:14 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 17:11:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	17288	5.00	ng	-0.05
7) Naphthalene-d8	9.58	136	82080	5.00	ng	-0.05
13) Acenaphthene-d10	13.41	164	49485	5.00	ng	-0.05
19) Phenanthrene-d10	16.13	188	128433	5.00	ng	-0.05
26) Chrysene-d12	20.29	240	164729	5.00	ng	-0.05
35) Perylene-d12	22.19	264	164698	5.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	4.93	112	13801	3.97	ng	-0.07
5) Phenol-d6	6.56	99	12092	2.73	ng	-0.07
8) Nitrobenzene-d5	8.17	82	28955	5.34	ng	-0.07
14) 2,4,6-Tribromophenol	14.93	330	16151	9.39	ng	-0.05
15) 2-Fluorobiphenyl	12.04	172	52601	3.92	ng	-0.06
29) Terphenyl-d14	18.69	244	97412	4.79	ng	-0.05

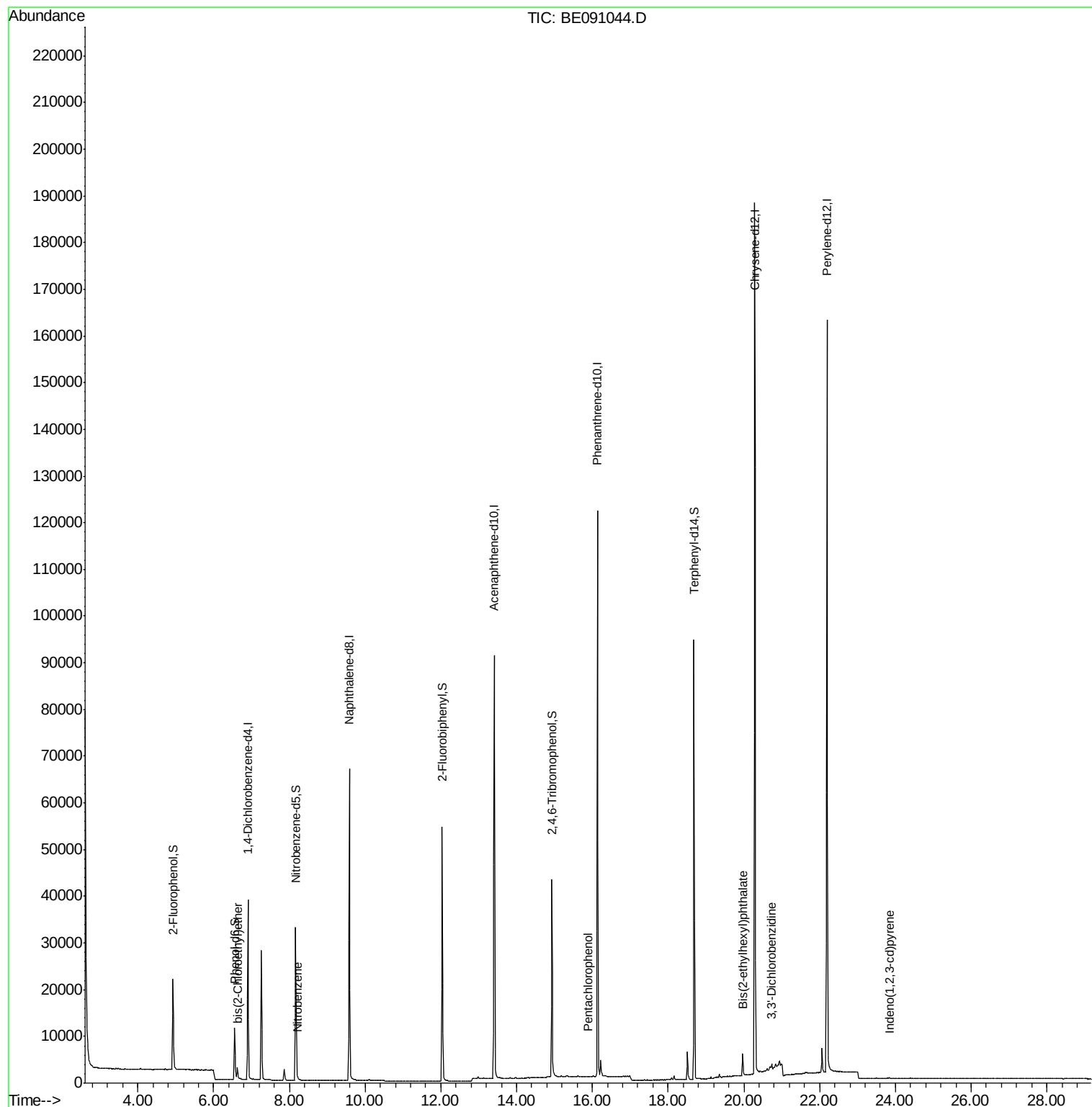
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	11	Below Cal	#	18
3) n-Nitrosodimethylamine	3.68	42	11	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.63	93	64	0.06	ng	1
9) Nitrobenzene	8.23	77	12	0.29	ng	31
10) Naphthalene	9.62	128	119	Below Cal	#	1
11) Hexachlorobutadiene	9.85	225	2	Below Cal	#	1
21) Hexachlorobenzene	15.40	284	11	Below Cal	#	1
22) Pentachlorophenol	15.89	266	34	0.02	ng	66
23) Phenanthrene	16.17	178	1009	Below Cal	#	83
25) Fluoranthene	18.16	202	783	Below Cal	#	92
27) Benzidine	18.51	184	105	Below Cal	#	1
31) 3,3'-Dichlorobenzidine	20.74	252	33	0.03	ng	32
32) Chrysene	20.29	228	659	Below Cal	#	77
33) Bis(2-ethylhexyl)phthalate	19.97	149	4992	0.46	ng	97
34) Indeno(1,2,3-cd)pyrene	23.83	276	192	0.12	ng	84
37) Benzo(k)fluoranthene	21.66	252	216	Below Cal	#	1

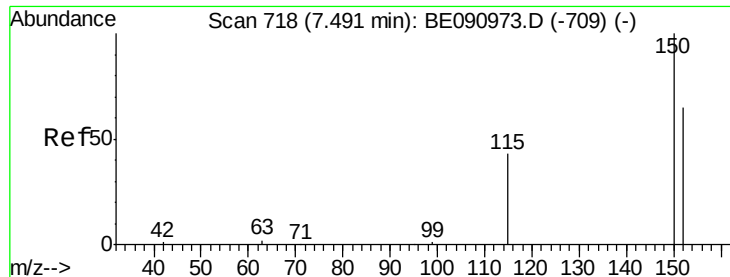
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.91 min Scan# 632

Delta R.T. -0.05 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

Instrument :

BNA_E

ClientSampleId :

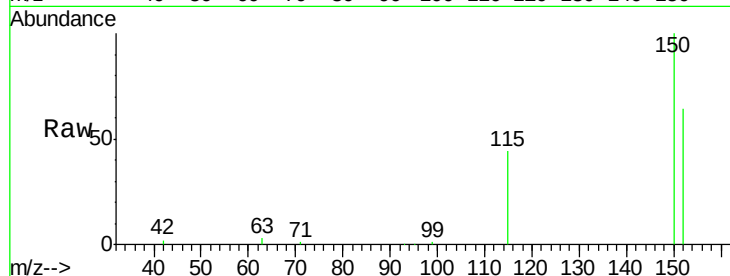
Tot Ion:152 Resp: 17288

Ion Ratio Lower Upper

152 100

150 156.6 122.6 183.8

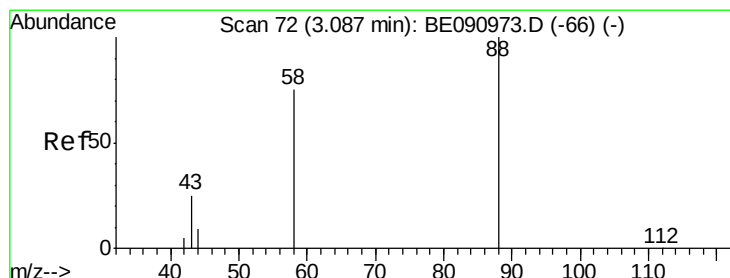
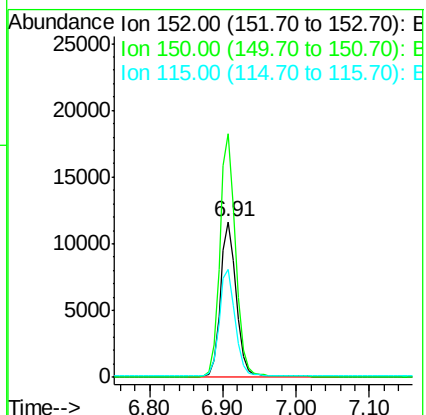
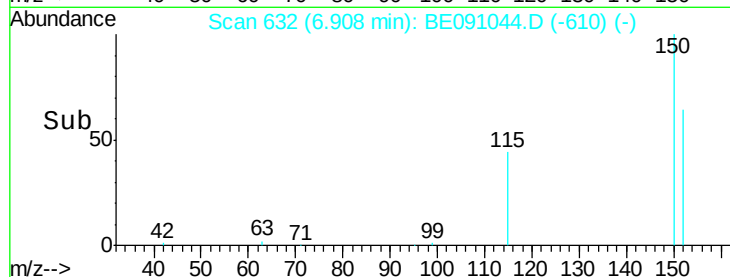
115 69.2 52.8 79.2



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: 3.20 min Scan# 88

Delta R.T. -0.01 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

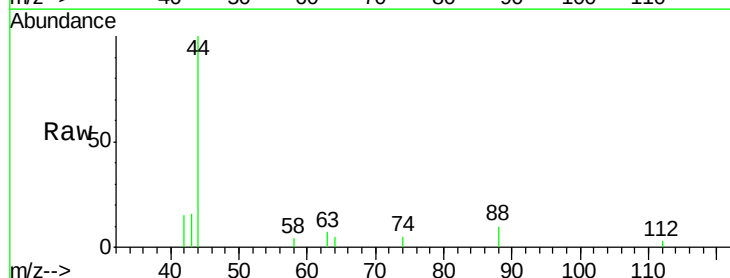
Tgt Ion: 88 Resp: 11

Ion Ratio Lower Upper

88 100

58 0.0 65.8 98.6#

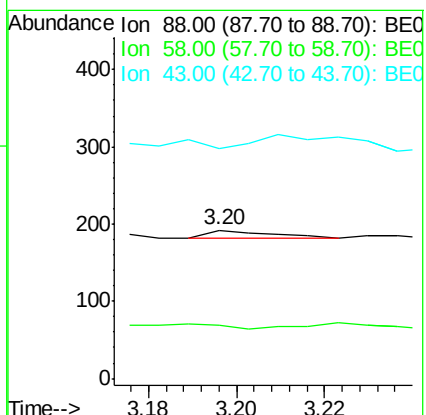
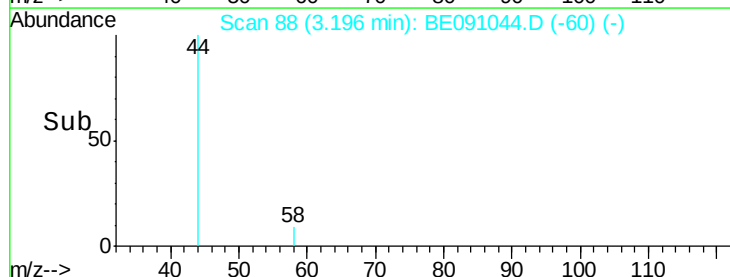
43 0.0 25.3 37.9#

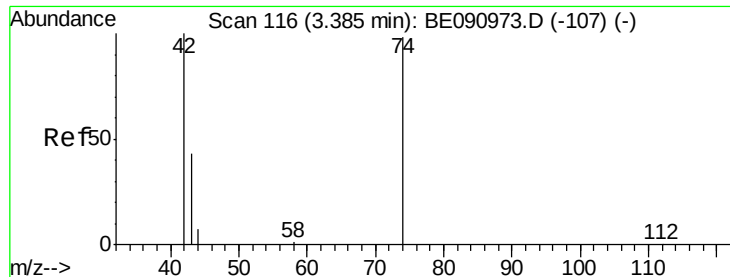


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



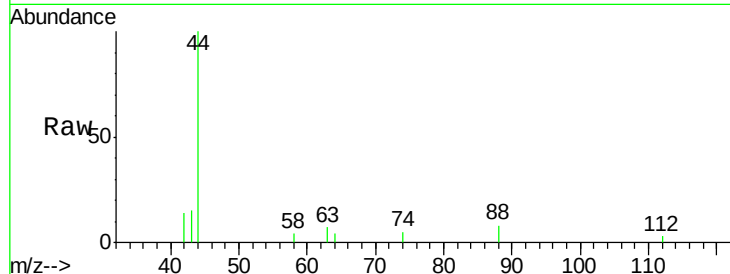


#3

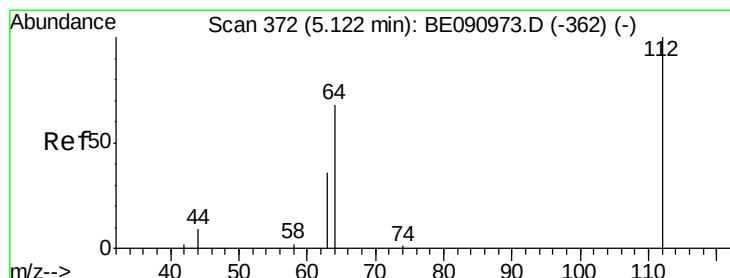
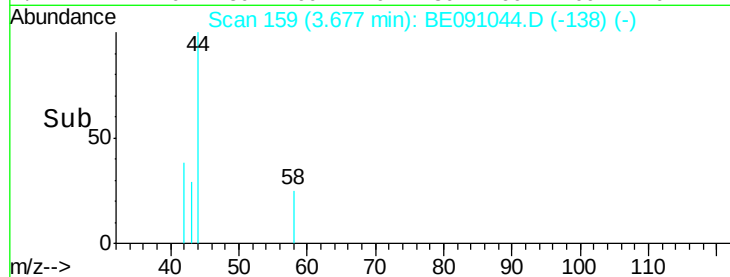
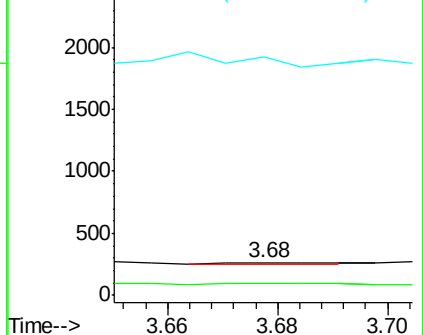
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.68 min Scan# 159
Delta R.T. -0.06 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

Instrument :
BNA_E
ClientSampled :

Tot Ion: 42 Resp: 11
Ion Ratio Lower Upper
42 100
74 127.3 87.9 131.9
44 1127.3 6.6 9.8#



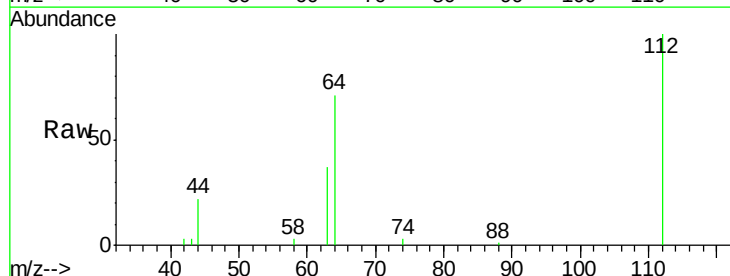
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



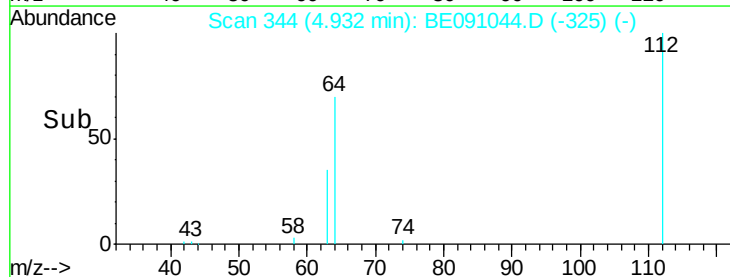
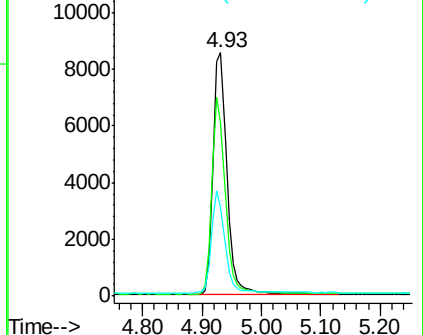
#4

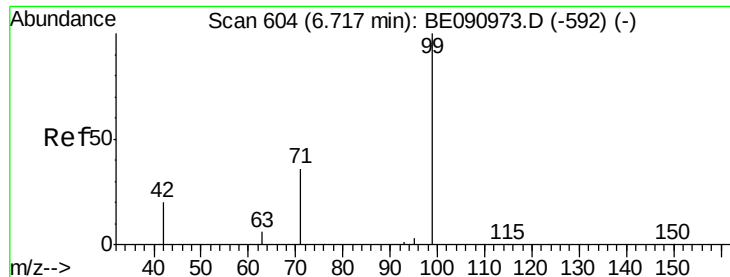
2-Fluorophenol
Concen: 3.97 ng
RT: 4.93 min Scan# 344
Delta R.T. -0.07 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

Tgt Ion: 112 Resp: 13801
Ion Ratio Lower Upper
112 100
64 77.5 30.9 46.3#
63 40.9 16.7 25.1#



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: 2.73 ng

RT: 6.56 min Scan# 580

Delta R.T. -0.07 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

Instrument :

BNA_E

ClientSampled :

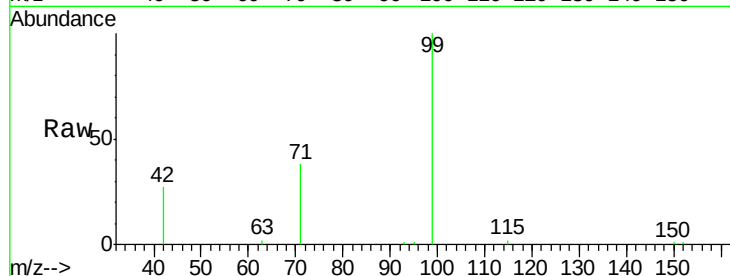
Tot Ion: 99 Resp: 12092

Ion Ratio Lower Upper

99 100

42 23.4 16.2 24.2

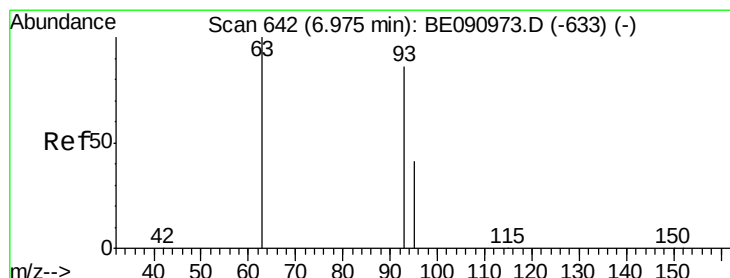
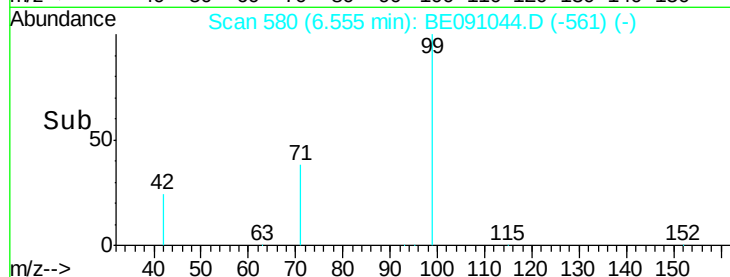
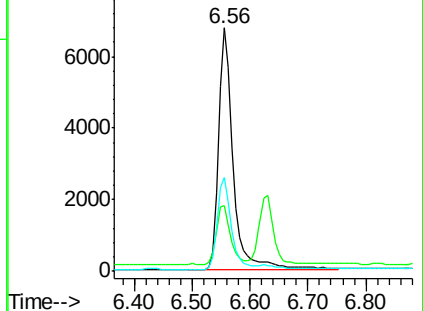
71 36.0 29.0 43.4



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

bis(2-Chloroethyl)ether

Concen: 0.06 ng

RT: 6.63 min Scan# 591

Delta R.T. -0.03 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

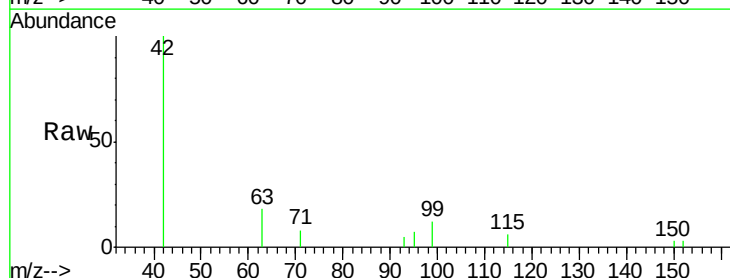
Tgt Ion: 93 Resp: 64

Ion Ratio Lower Upper

93 100

63 642.2 49.5 74.3#

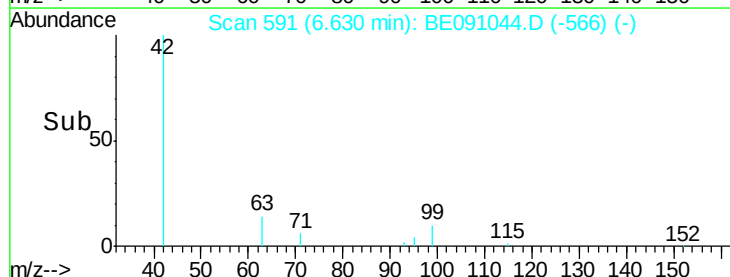
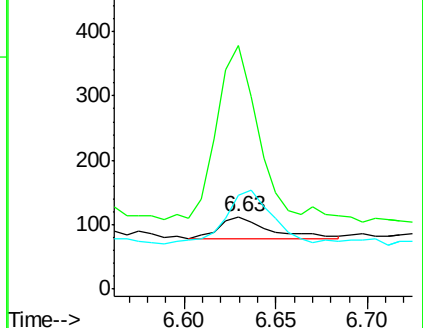
95 237.5 22.2 33.4#

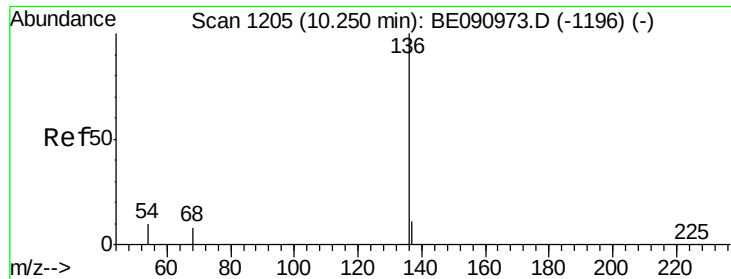


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 9.58 min Scan# 1154

Delta R.T. -0.05 min

Lab File: BE091044.D

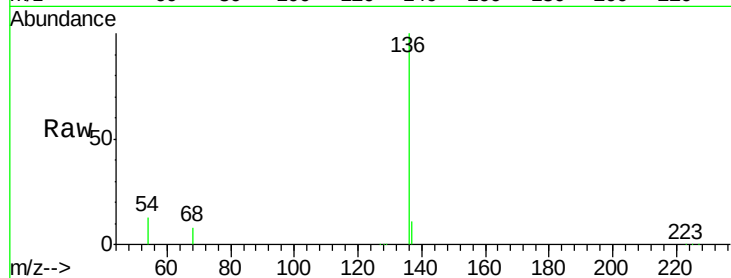
Acq: 23 Oct 2015 21:32

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	82080
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	12.5	8.2 12.4#
68	8.4	6.2 9.4

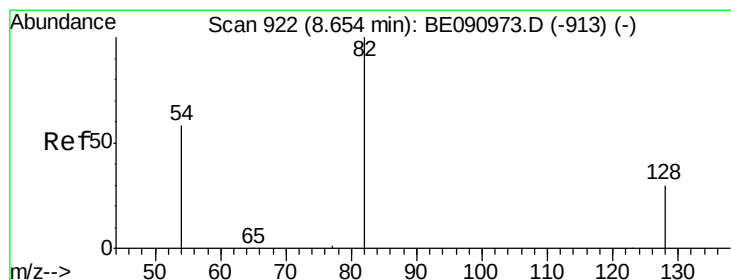
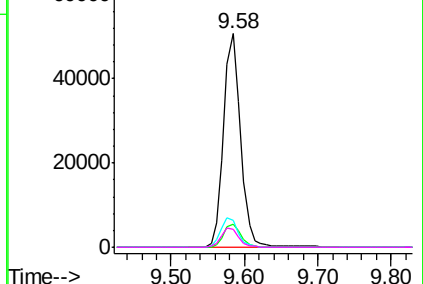
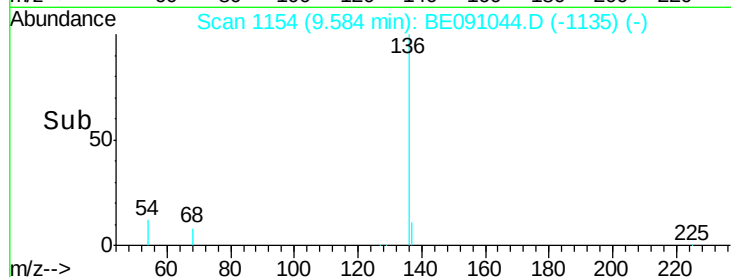


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.34 ng

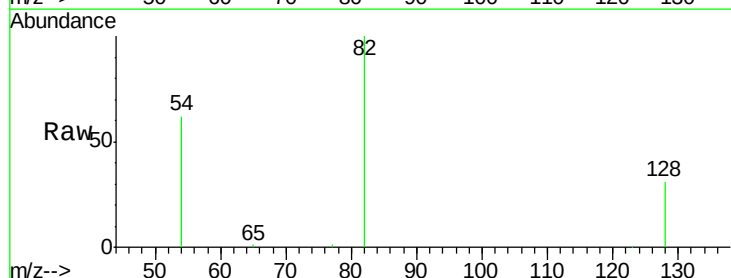
RT: 8.17 min Scan# 862

Delta R.T. -0.07 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

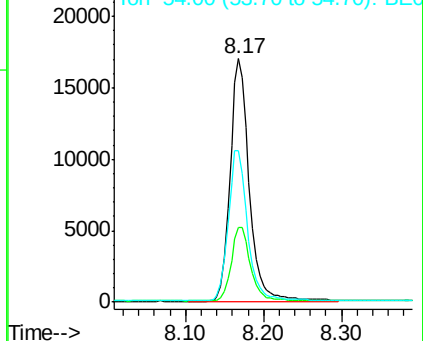
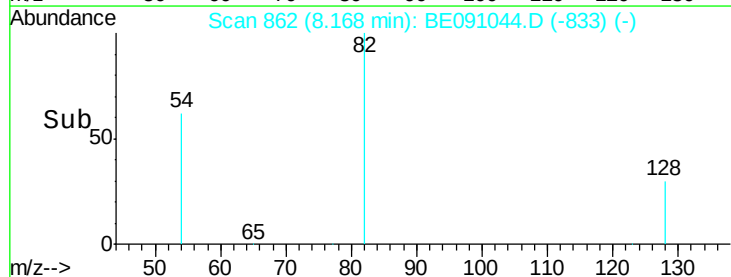
Tgt Ion: 82	Resp:	28955
Ion Ratio	Lower	Upper
82	100	
128	30.6	25.4 38.0
54	62.3	48.4 72.6

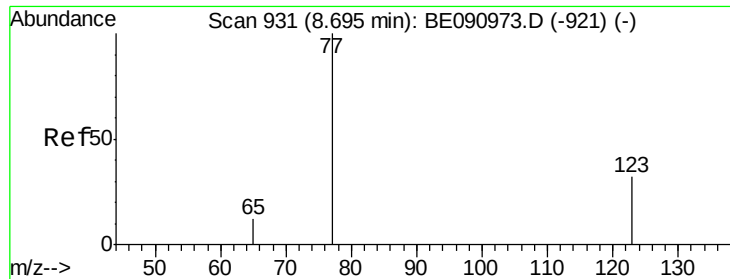


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.29 ng

RT: 8.23 min Scan# 875

Delta R.T. -0.04 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

Instrument :

BNA_E

ClientSampleId :

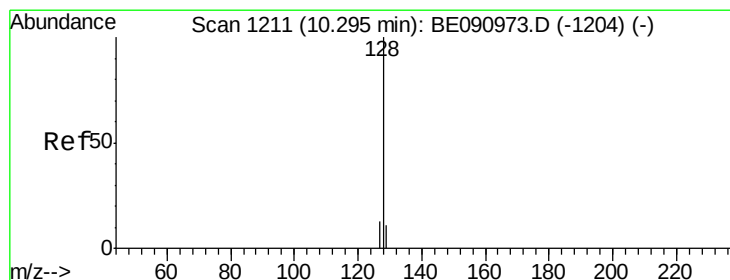
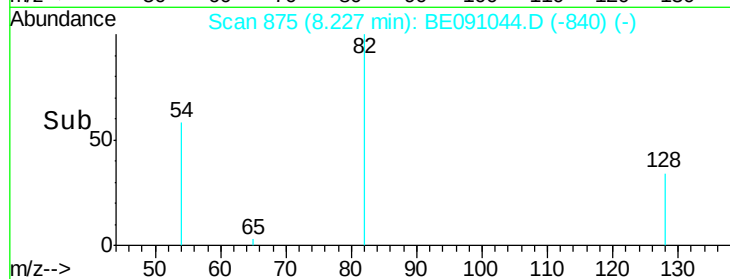
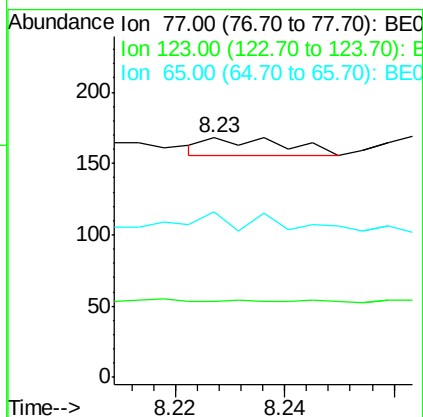
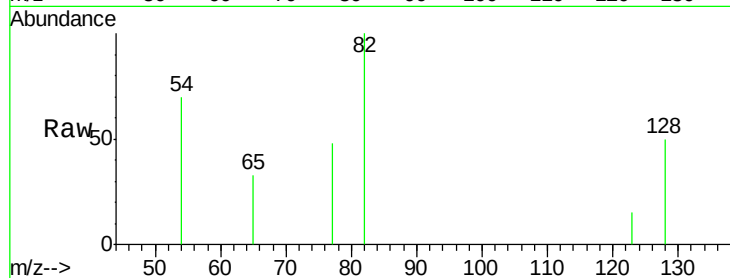
Tot Ion: 77 Resp: 12

Ion Ratio Lower Upper

77 100

123 0.0 26.9 40.3#

65 50.0 9.4 14.2#



#10

Naphthalene

Concen: Below Cal

RT: 9.62 min Scan# 1159

Delta R.T. -0.06 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

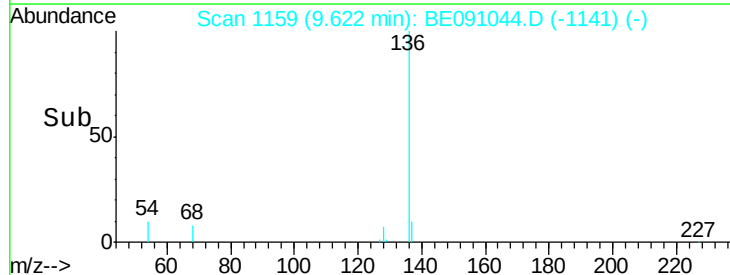
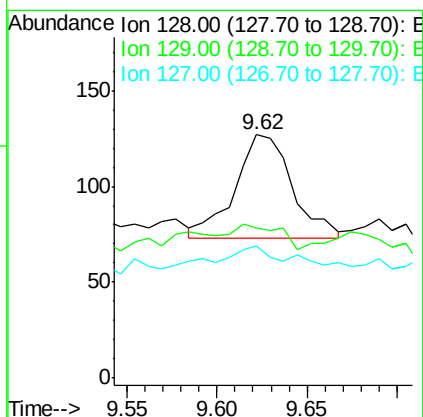
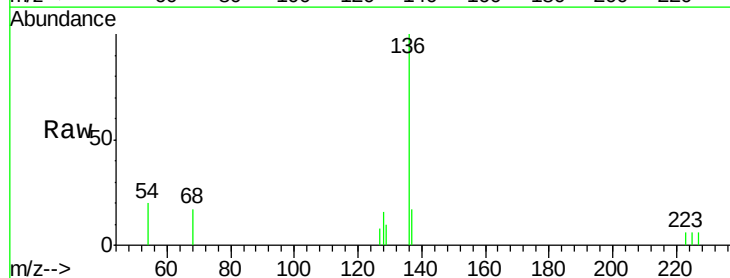
Tgt Ion: 128 Resp: 119

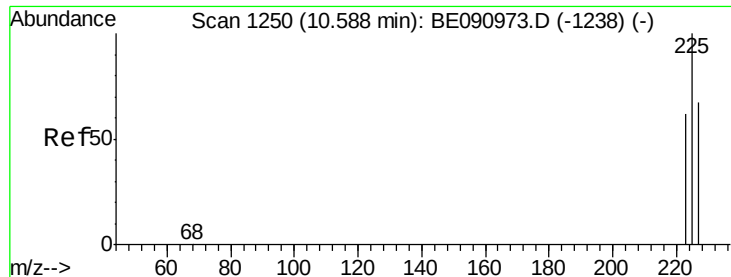
Ion Ratio Lower Upper

128 100

129 61.4 9.3 13.9#

127 54.3 10.7 16.1#

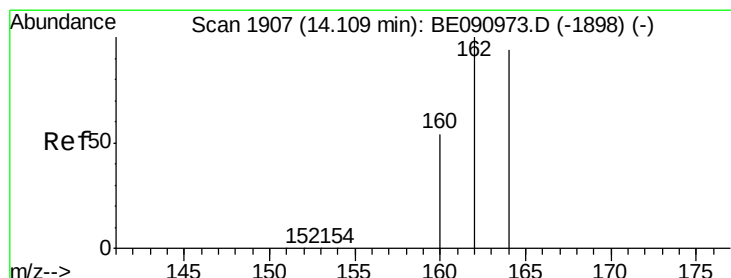
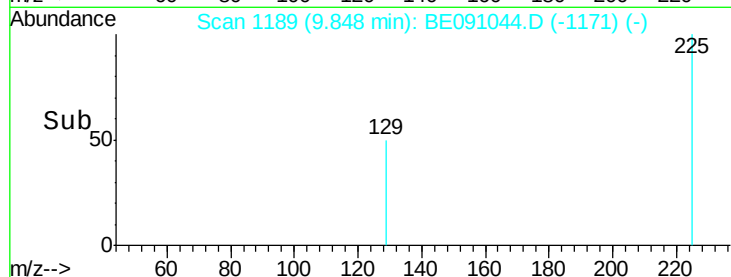
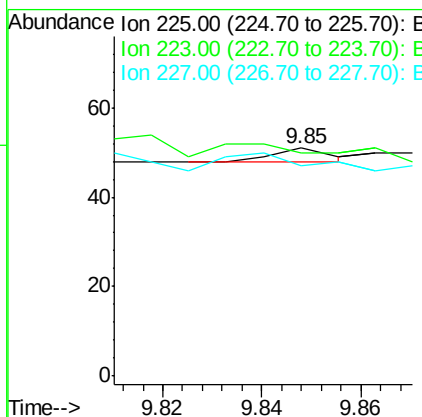
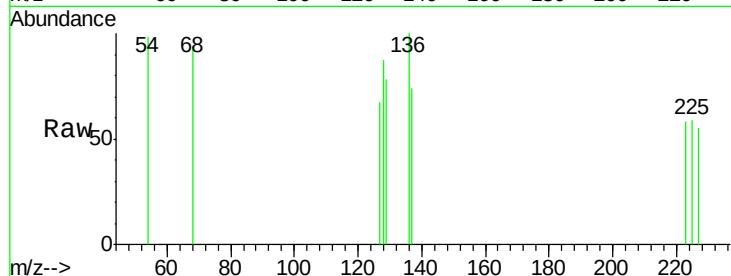




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 9.85 min Scan# 1189
Delta R.T. -0.06 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

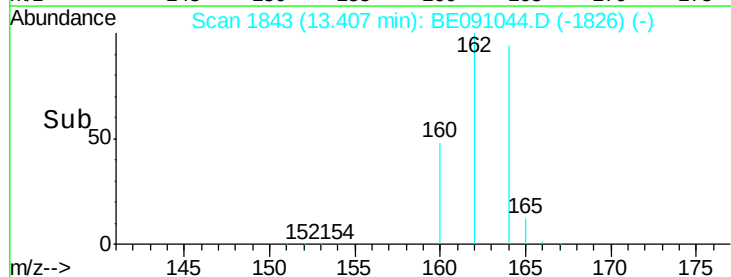
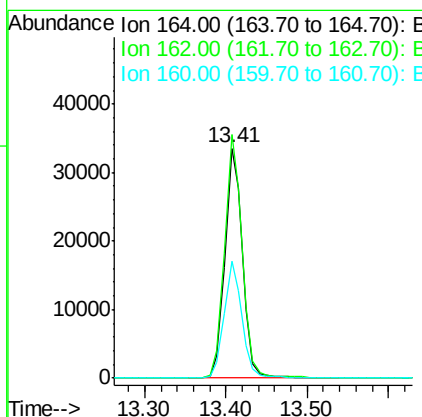
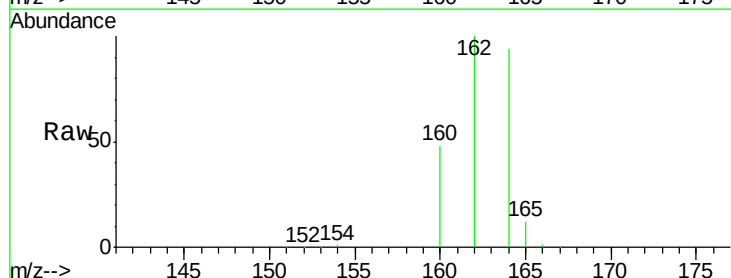
Instrument :
BNA_E
ClientSampleId :

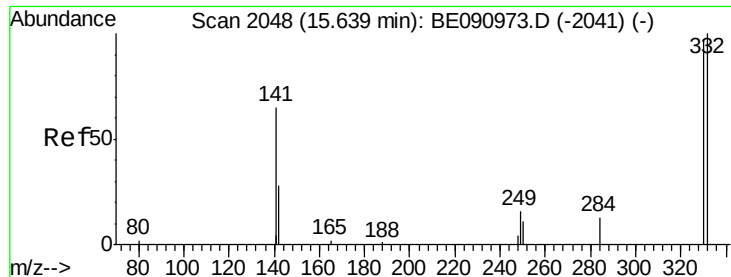
Tot Ion:225 Resp: 2
Ion Ratio Lower Upper
225 100
223 0.0 49.0 73.6#
227 250.0 50.3 75.5#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.41 min Scan# 1843
Delta R.T. -0.05 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

Tgt Ion:164 Resp: 49485
Ion Ratio Lower Upper
164 100
162 106.0 85.3 127.9
160 50.8 46.2 69.2

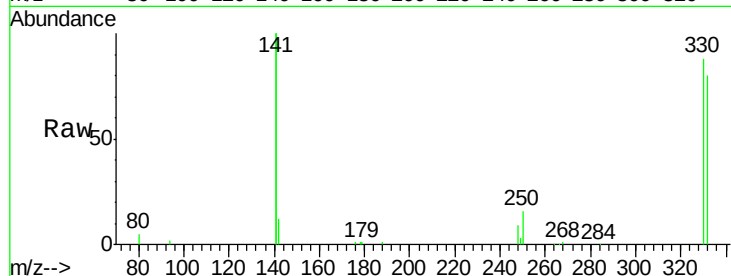




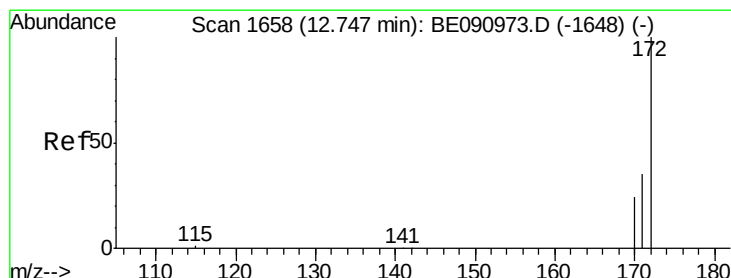
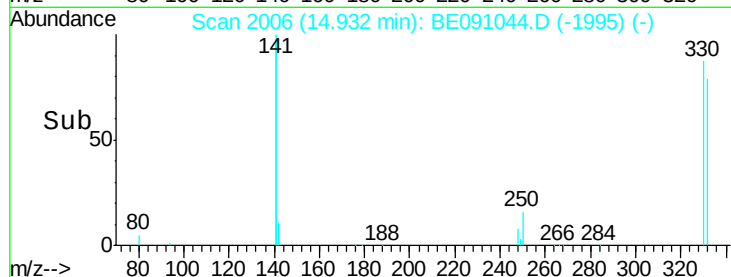
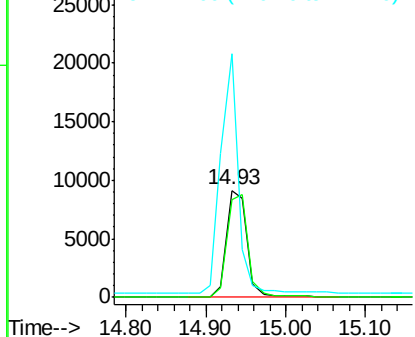
#14
2,4,6-Tribromophenol
Concen: 9.39 ng
RT: 14.93 min Scan# 2006
Delta R.T. -0.05 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

Instrument :
BNA_E
ClientSampleId :

Tot Ion:330 Resp: 16151
Ion Ratio Lower Upper
330 100
332 97.7 79.1 118.7
141 190.0 125.4 188.0#

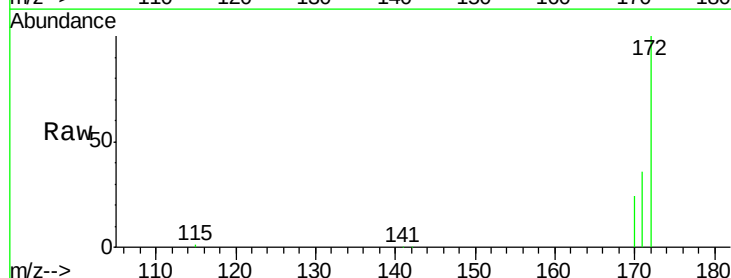


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

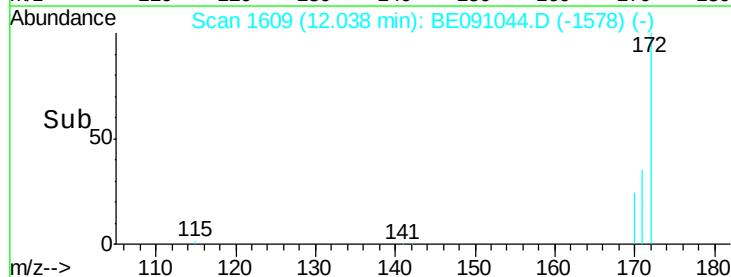
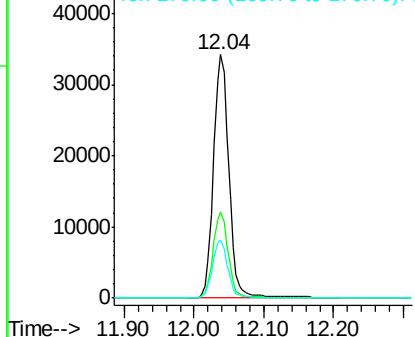


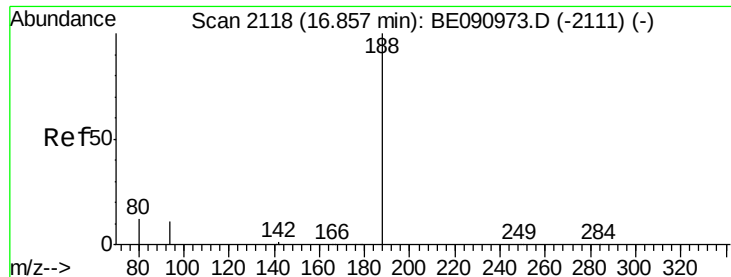
#15
2-Fluorobiphenyl
Concen: 3.92 ng
RT: 12.04 min Scan# 1609
Delta R.T. -0.06 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

Tgt Ion:172 Resp: 52601
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.7 19.3 28.9



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.13 min Scan# 2096

Delta R.T. -0.05 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

Instrument :

BNA_E

ClientSampleId :

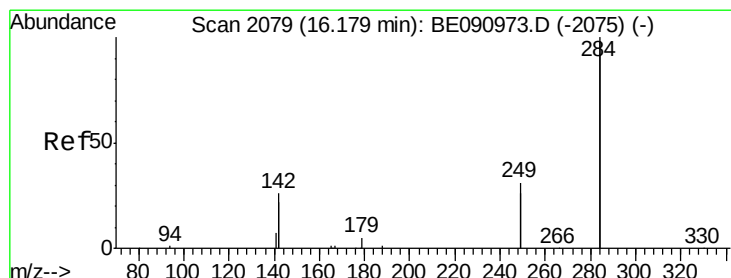
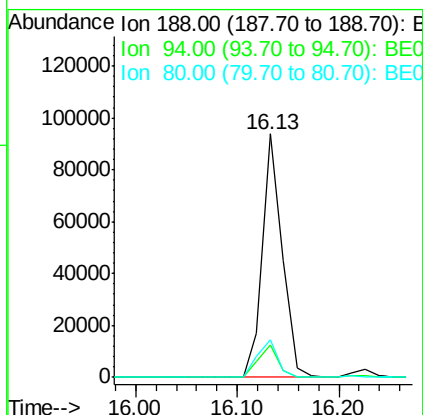
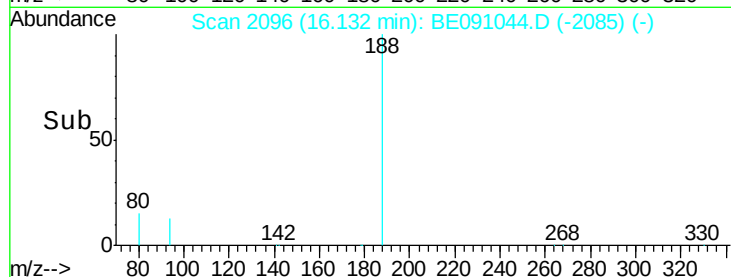
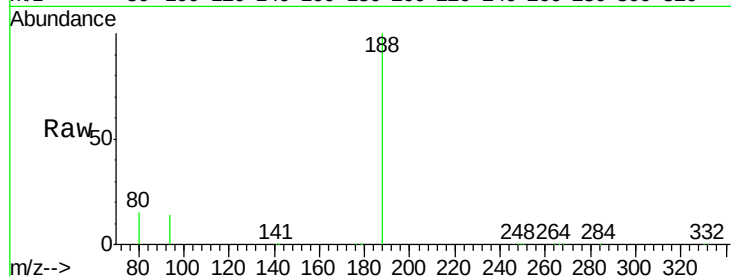
Tot Ion:188 Resp: 128433

Ion Ratio Lower Upper

188 100

94 13.5 8.7 13.1#

80 15.4 9.4 14.0#



#21

Hexachlorobenzene

Concen: Below Cal

RT: 15.40 min Scan# 2041

Delta R.T. -0.05 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

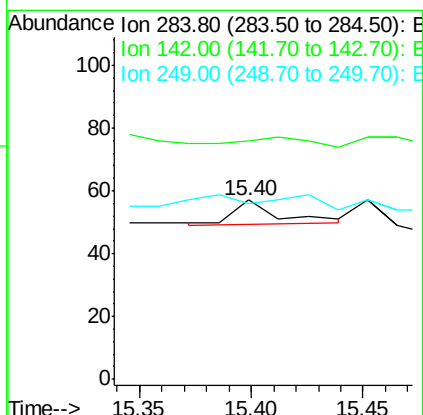
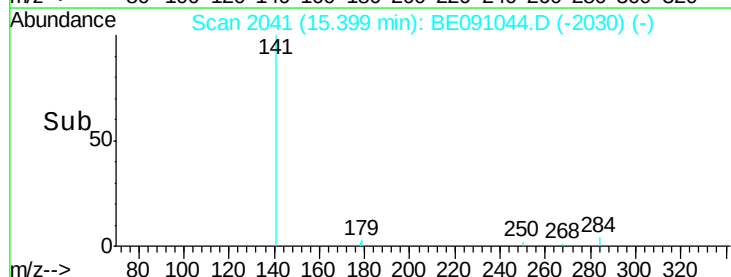
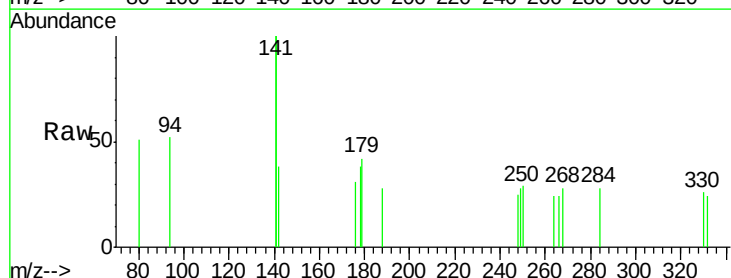
Tgt Ion:284 Resp: 11

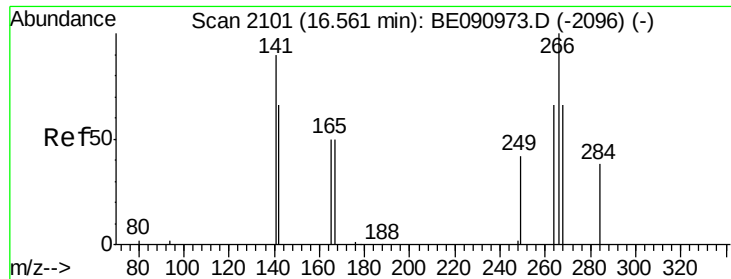
Ion Ratio Lower Upper

284 100

142 0.0 32.2 48.2#

249 154.5 25.4 38.2#





#22

Pentachlorophenol

Concen: 0.02 na

RT: 15.89 min Scan# 2078

Delta R.T. -0.04 min

Lab File: BE091044.D

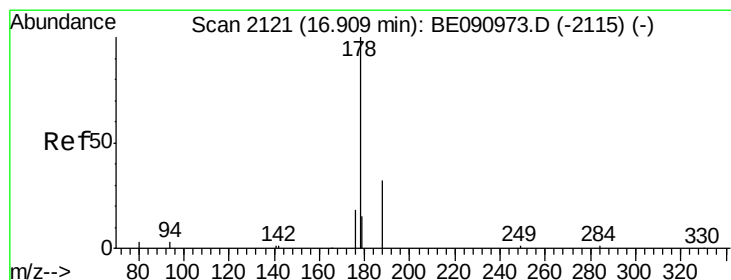
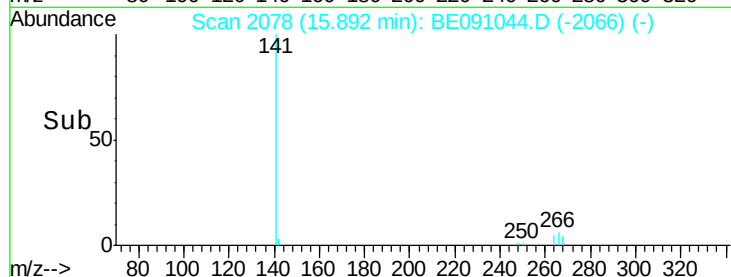
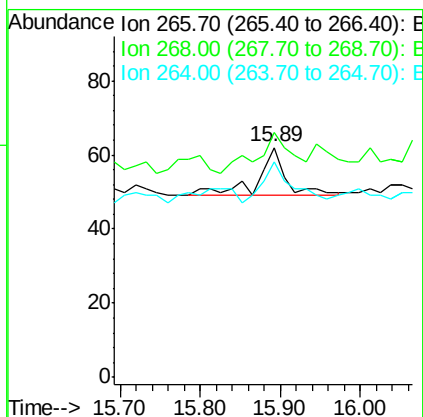
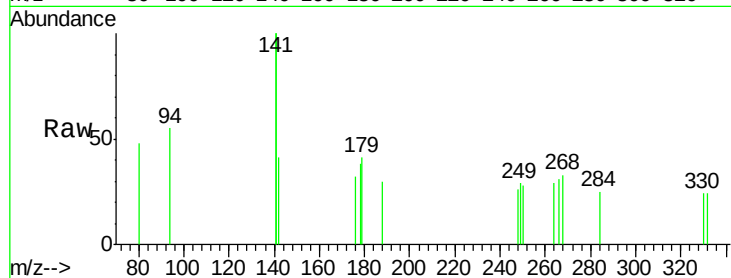
Acq: 23 Oct 2015 21:32

Instrument :

BNA_E

ClientSampled :

Tot Ion:266	Resp:	34
Ion Ratio	Lower	Upper
266	100	
268	106.5	58.2 87.2#
264	93.5	56.2 84.4#



#23

Phenanthrene

Concen: Below Cal

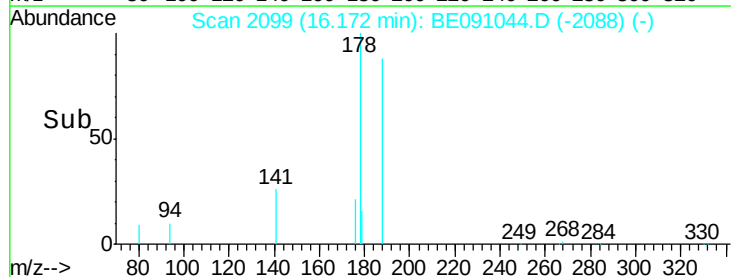
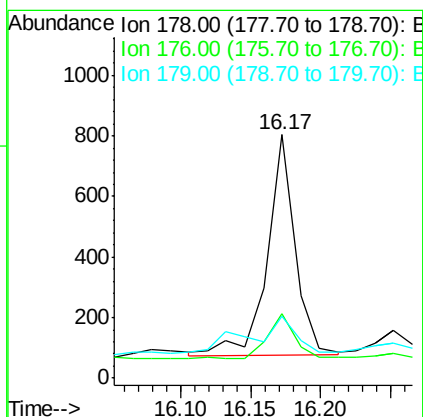
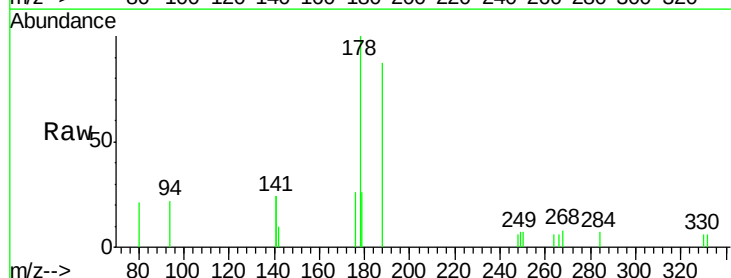
RT: 16.17 min Scan# 2099

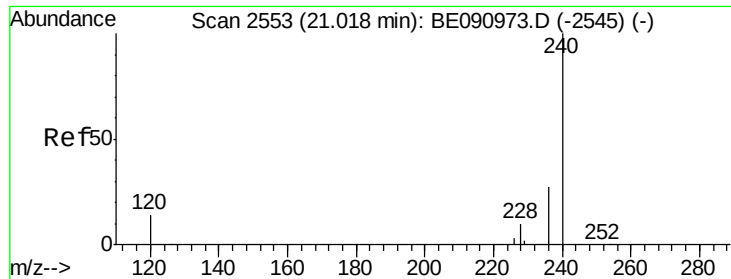
Delta R.T. -0.05 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

Tgt Ion:178	Resp:	1009
Ion Ratio	Lower	Upper
178	100	
176	22.4	15.3 22.9
179	27.9	12.6 18.8#

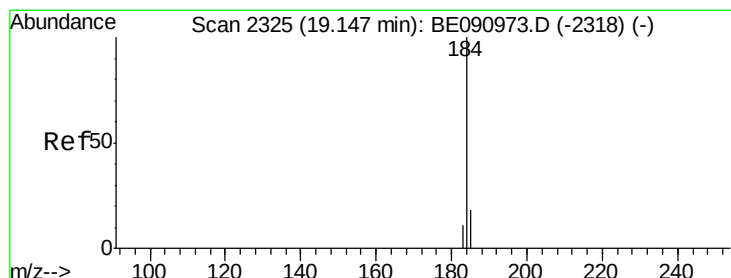
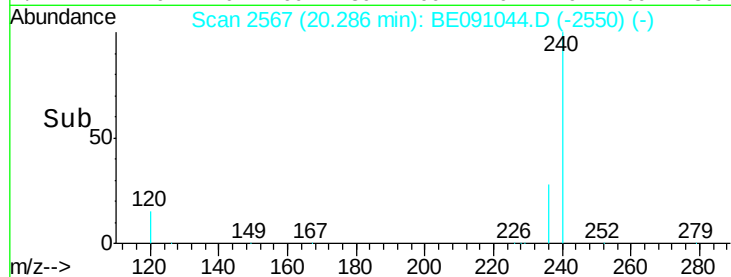
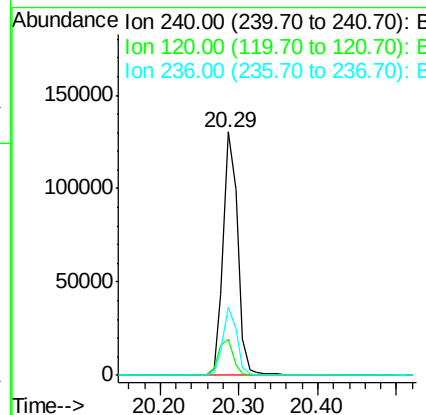
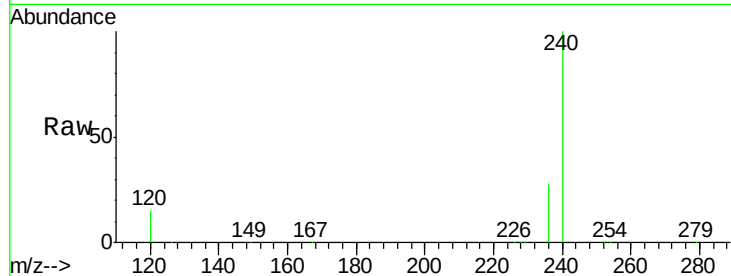




#26
Chrysene-d12
Concen: 5.00 ng
RT: 20.29 min Scan# 2567
Delta R.T. -0.05 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

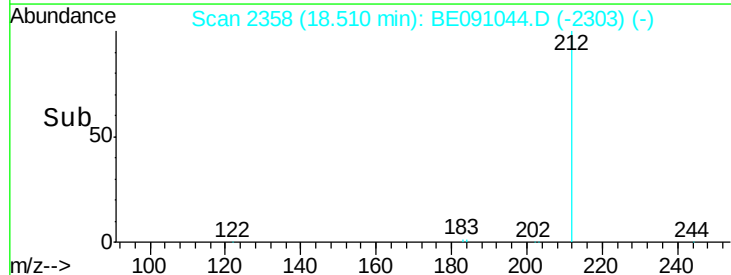
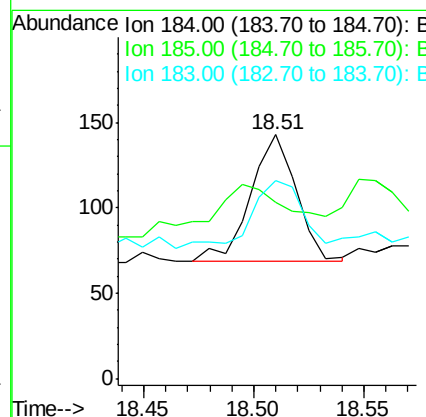
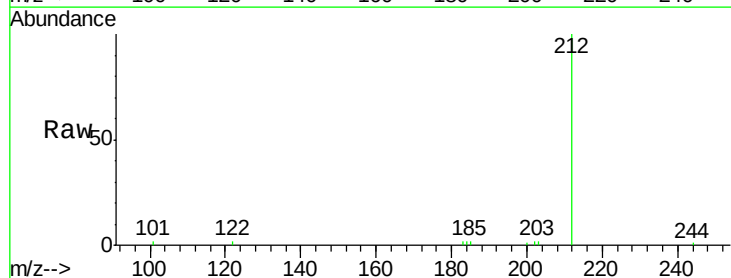
Instrument :
BNA_E
ClientSampleId :

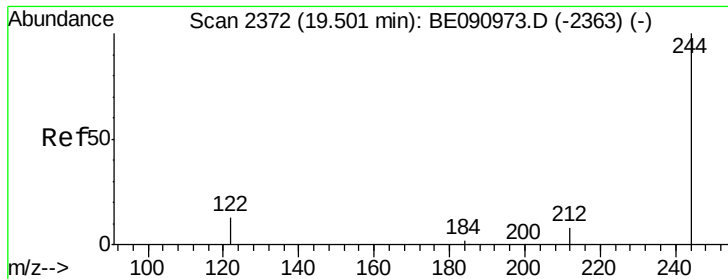
Tot Ion:240 Resp: 164729
Ion Ratio Lower Upper
240 100
120 14.8 11.0 16.4
236 27.8 21.7 32.5



#27
Benzidine
Concen: Below Cal
RT: 18.51 min Scan# 2358
Delta R.T. -0.08 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

Tgt Ion:184 Resp: 105
Ion Ratio Lower Upper
184 100
185 72.0 22.3 33.5#
183 81.1 16.4 24.6#





#29

Terphenyl-d14

Concen: 4.79 ng

RT: 18.69 min Scan# 2382

Delta R.T. -0.05 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

Instrument :

BNA_E

ClientSampled :

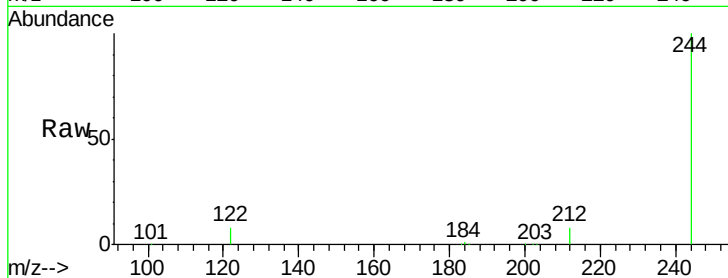
Tot Ion:244 Resp: 97412

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

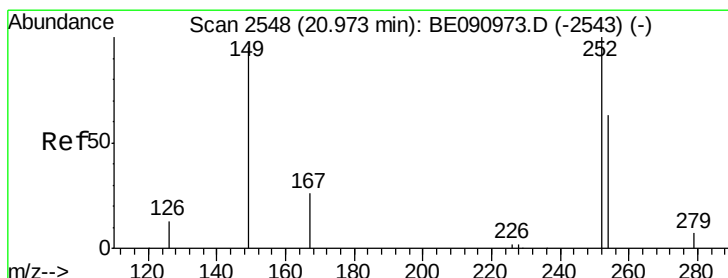
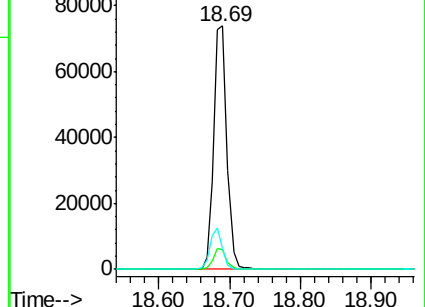
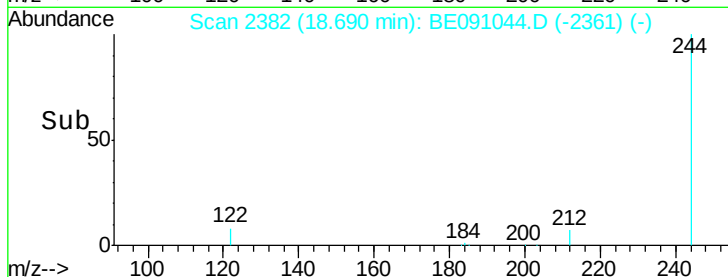
122 8.4 11.0 16.4#



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



#31

3,3'-Dichlorobenzidine

Concen: 0.03 ng

RT: 20.74 min Scan# 2617

Delta R.T. -0.10 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

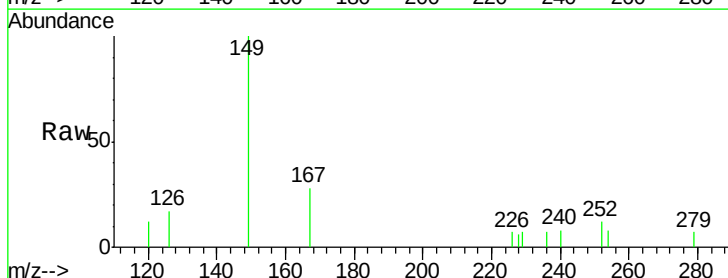
Tgt Ion:252 Resp: 33

Ion Ratio Lower Upper

252 100

254 69.4 51.1 76.7

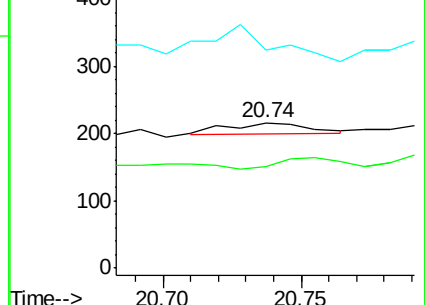
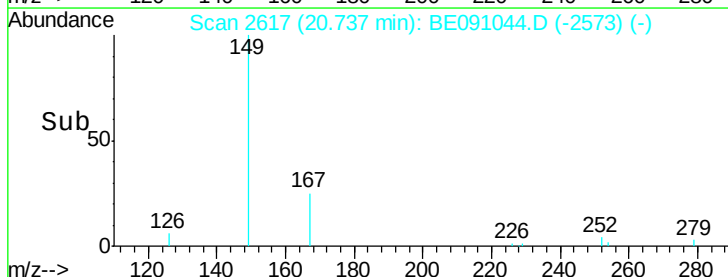
126 150.0 12.6 18.8#

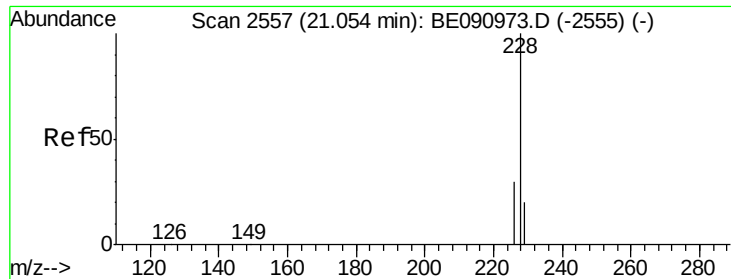


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: Below Cal

RT: 20.29 min Scan# 2567

Delta R.T. -0.07 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

Instrument :

BNA_E

ClientSampleId :

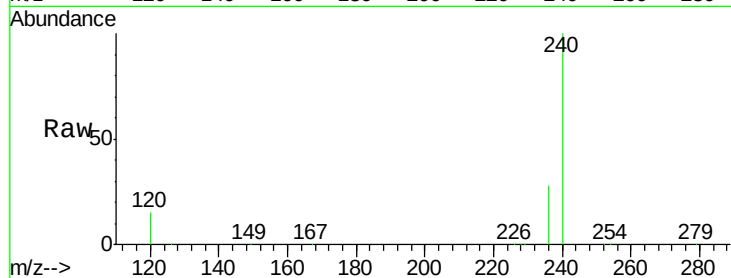
Tot Ion:228 Resp: 659

Ion Ratio Lower Upper

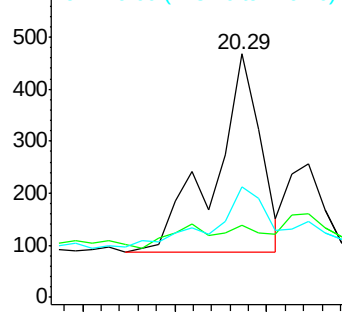
228 100

226 29.5 24.0 36.0

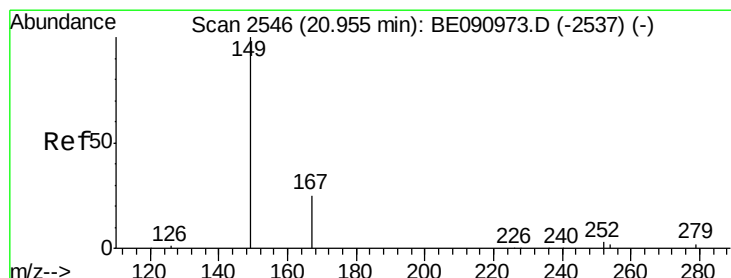
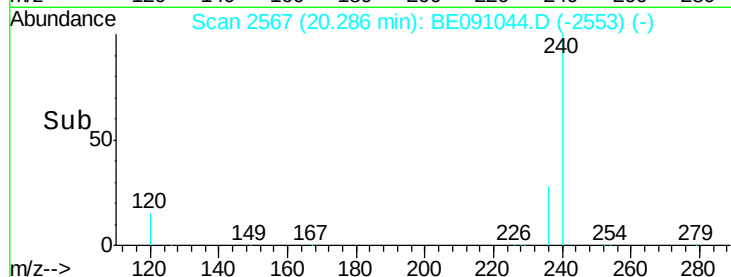
229 45.5 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.46 ng

RT: 19.97 min Scan# 2532

Delta R.T. -0.05 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

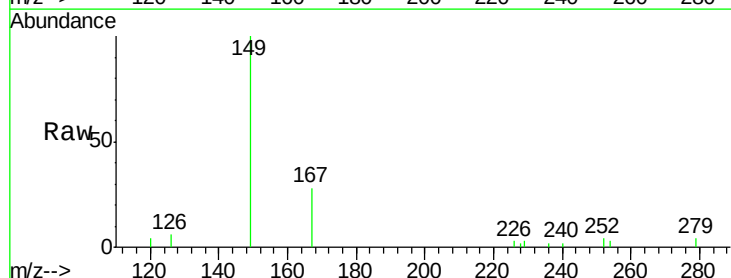
Tgt Ion:149 Resp: 4992

Ion Ratio Lower Upper

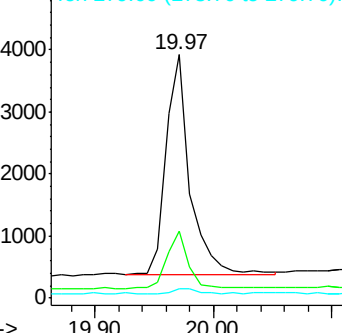
149 100

167 23.1 19.5 29.3

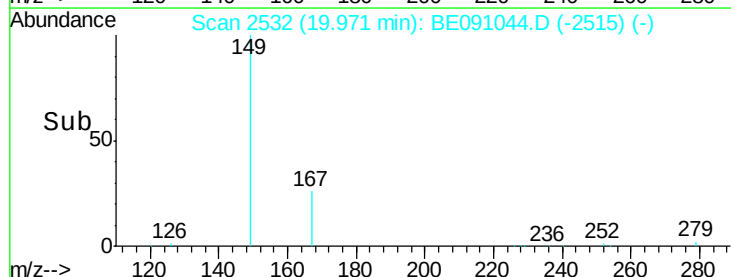
279 2.5 2.3 3.5

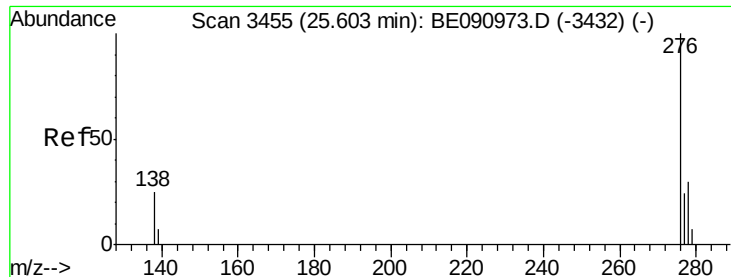


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->

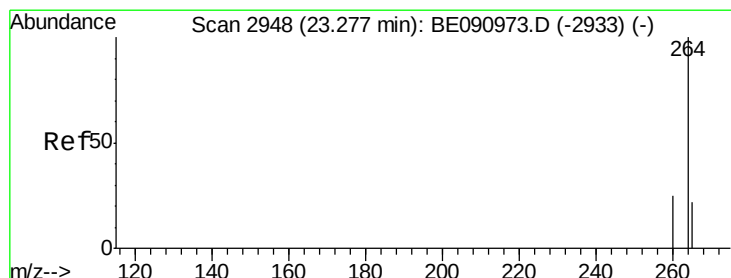
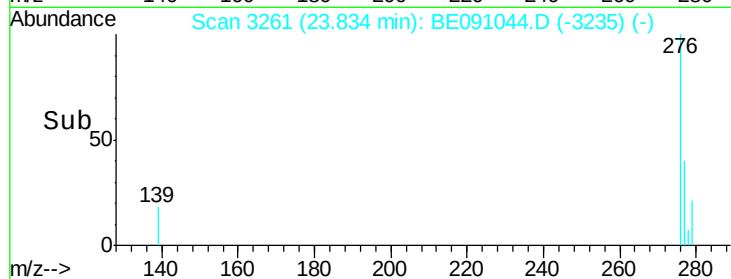
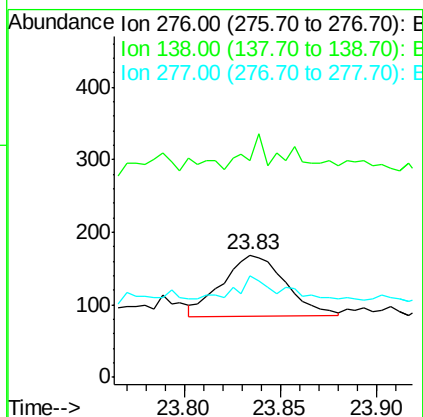
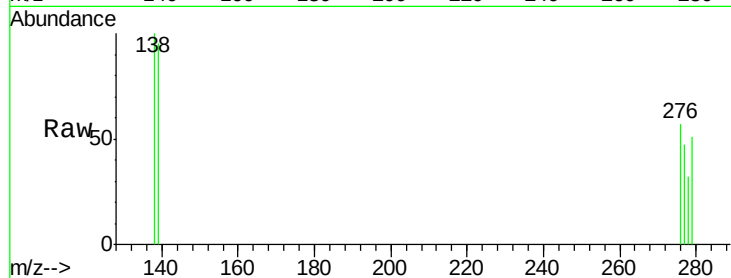




#34
Indeno(1,2,3-cd)pyrene
Concen: 0.12 ng
RT: 23.83 min Scan# 3261
Delta R.T. -0.08 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

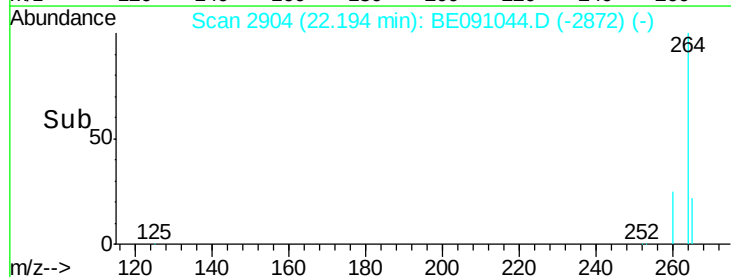
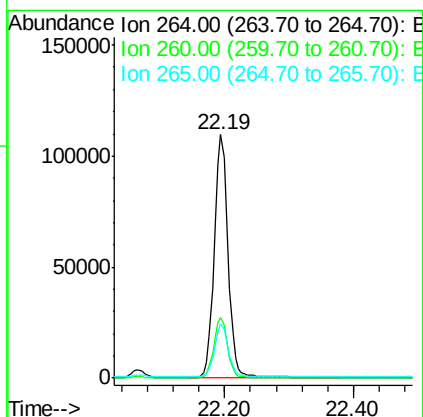
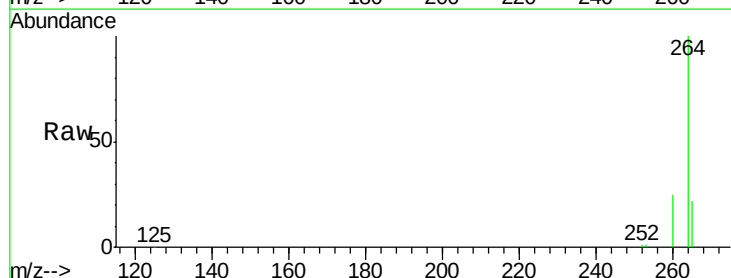
Instrument :
BNA_E
ClientSampleId :

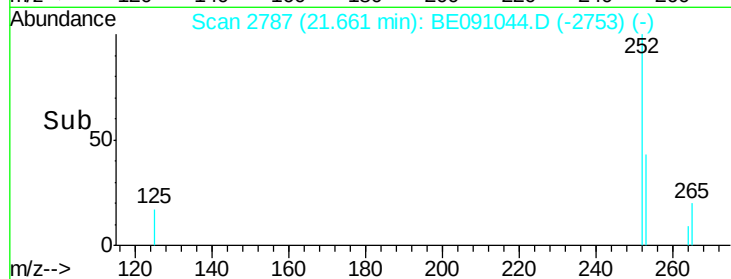
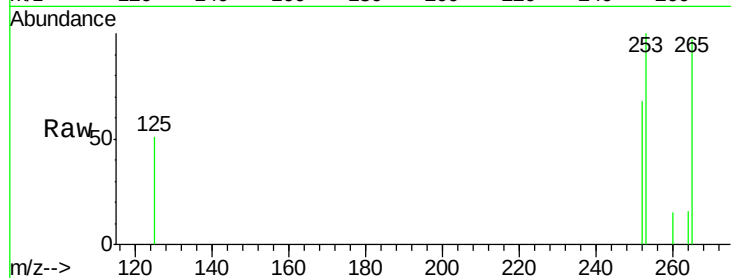
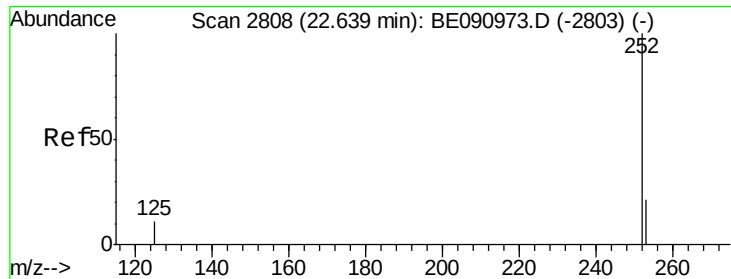
Tot Ion:276 Resp: 192
Ion Ratio Lower Upper
276 100
138 20.3 23.4 35.2#
277 17.2 19.8 29.8#



#35
Perylene-d12
Concen: 5.00 ng
RT: 22.19 min Scan# 2904
Delta R.T. -0.05 min
Lab File: BE091044.D
Acq: 23 Oct 2015 21:32

Tgt Ion:264 Resp: 164698
Ion Ratio Lower Upper
264 100
260 24.8 20.0 30.0
265 22.4 17.5 26.3





#37

Benzo(k)fluoranthene

Concen: Below Cal

RT: 21.66 min Scan# 2787

Delta R.T. -0.05 min

Lab File: BE091044.D

Acq: 23 Oct 2015 21:32

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 252 Resp: 216

Ion Ratio Lower Upper

252 100

253 146.6 17.6 26.4#

125 74.1 9.9 14.9#

