

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100715\
 Data File : BE090990.D
 Acq On : 7 Oct 2015 17:36
 Operator : UM/IZ
 Sample : PB85999BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85999BSD

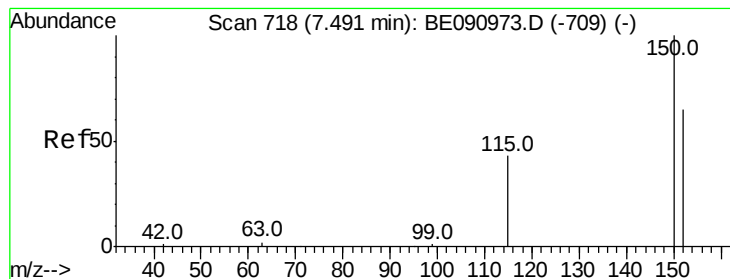
Quant Time: Oct 08 01:47:07 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 01:45:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	59818	5.00	ng	0.00
7) Naphthalene-d8	9.64	136	278272	5.00	ng	0.00
13) Acenaphthene-d10	13.46	164	152826	5.00	ng	0.00
19) Phenanthrene-d10	16.19	188	351177	5.00	ng	0.00
26) Chrysene-d12	20.33	240	454195	5.00	ng	0.00
35) Perylene-d12	22.25	264	492387	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.99	112	95408	7.87	ng	-0.02
5) Phenol-d6	6.61	99	120640	7.88	ng	-0.01
8) Nitrobenzene-d5	8.22	82	79137	4.34	ng	-0.01
14) 2,4,6-Tribromophenol	14.99	330	41057	7.76	ng	0.00
15) 2-Fluorobiphenyl	12.09	172	157435	3.80	ng	0.00
29) Terphenyl-d14	18.74	244	229901	4.11	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.19	88	22681	2.84	ng	93
3) n-Nitrosodimethylamine	3.62	42	28432	3.03	ng	# 90
6) bis(2-Chloroethyl)ether	6.62	93	147410	9.01	ng	# 28
9) Nitrobenzene	8.26	77	80753	3.92	ng	99
10) Naphthalene	9.68	128	191615	3.56	ng	99
11) Hexachlorobutadiene	9.91	225	27362	3.18	ng	99
12) 2-Methylnaphthalene	11.21	142	132723	3.76	ng	99
16) Acenaphthylene	13.20	152	880573	3.45	ng	100
17) Acenaphthene	13.52	154	136320	3.34	ng	91
18) Fluorene	14.50	166	176851	3.51	ng	99
20) 4-Bromophenyl-phenylether	15.36	248	47708	3.60	ng	90
21) Hexachlorobenzene	15.45	284	53353	0.80	ng	99
22) Pentachlorophenol	15.93	266	38116	6.96	ng	90
23) Phenanthrene	16.21	178	303507	3.79	ng	99
24) Anthracene	16.29	178	290292	3.81	ng	99
25) Fluoranthene	18.20	202	351077	3.84	ng	99
27) Benzidine	18.57	184	226128	9.98	ng	# 77
28) Pyrene	18.59	202	382809	3.67	ng	99
30) Benzo(a)anthracene	20.31	228	387966	3.84	ng	99
32) Chrysene	20.36	228	380461	3.55	ng	97
33) Bis(2-ethylhexyl)phthalate	20.02	149	207186	4.67	ng	98
34) Indeno(1,2,3-cd)pyrene	23.92	276	441812	3.91	ng	# 93
36) Benzo(b)fluoranthene	21.67	252	418818	3.86	ng	98
37) Benzo(k)fluoranthene	21.71	252	432932	3.27	ng	99
38) Benzo(a)pyrene	22.15	252	409217	4.07	ng	99
39) Dibenzo(a,h)anthracene	23.88	278	446273	4.49	ng	98
40) Benzo(g,h,i)perylene	24.49	276	458161	4.24	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.96 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

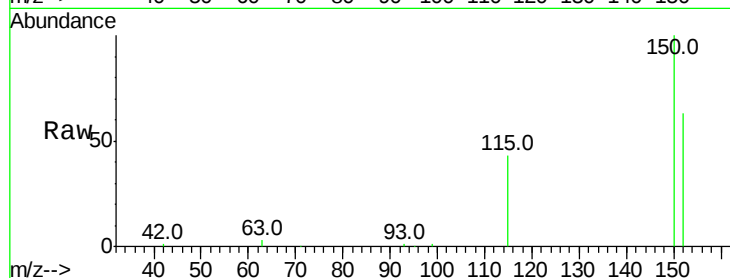
Tot Ion:152 Resp: 59818

Ion Ratio Lower Upper

152 100

150 157.8 122.6 183.8

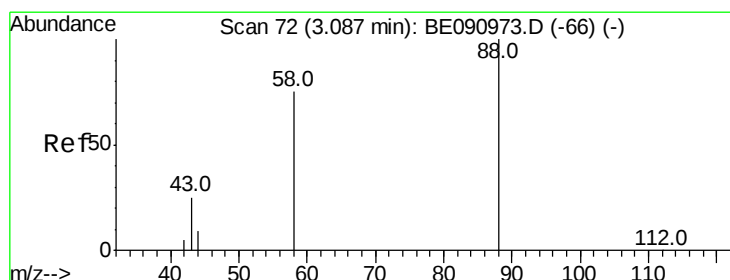
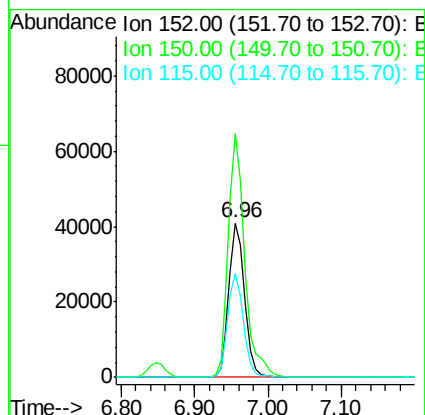
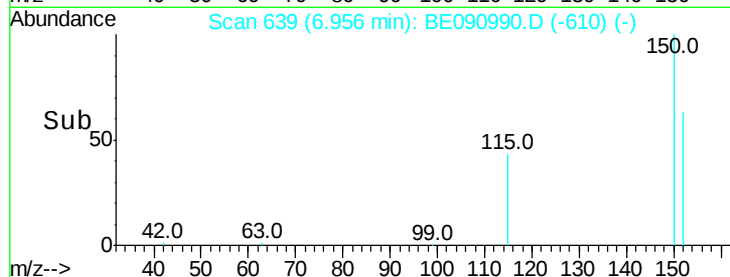
115 67.6 52.8 79.2



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: 2.84 ng

RT: 3.19 min Scan# 87

Delta R.T. -0.02 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

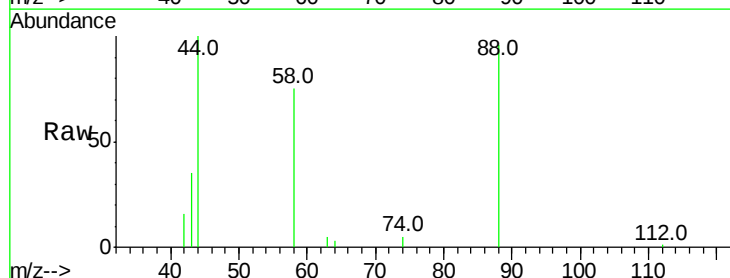
Tgt Ion: 88 Resp: 22681

Ion Ratio Lower Upper

88 100

58 90.7 65.8 98.6

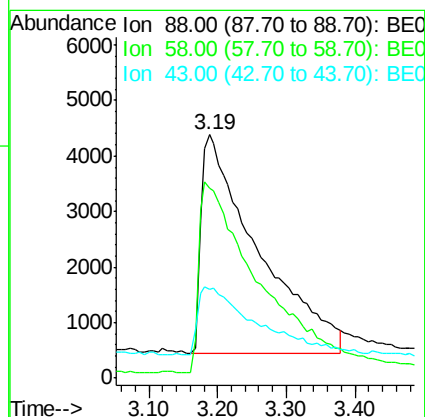
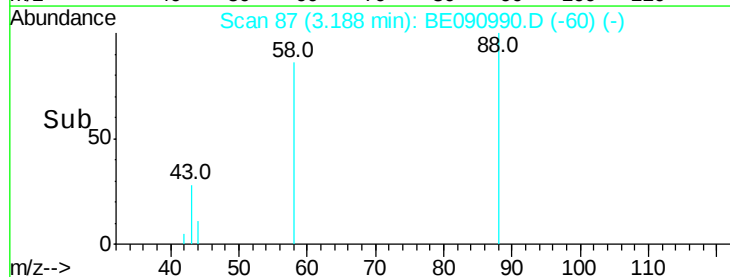
43 31.5 25.3 37.9

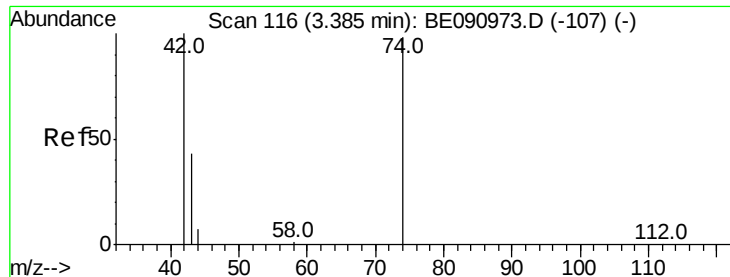


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



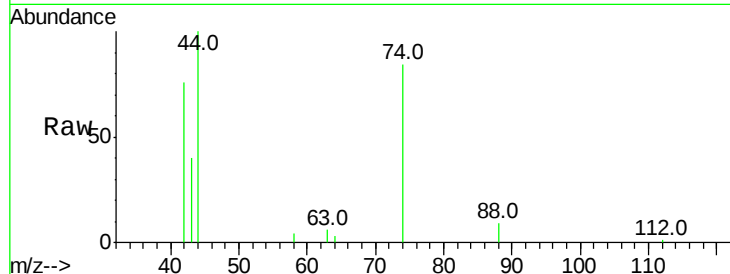


#3

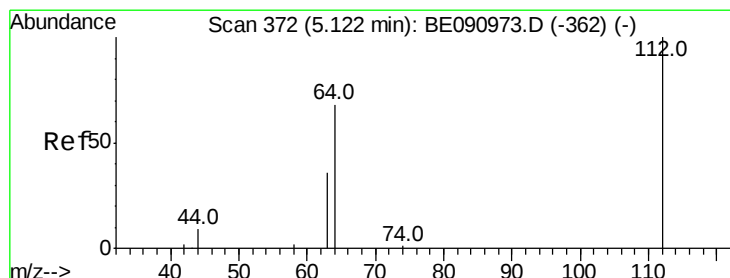
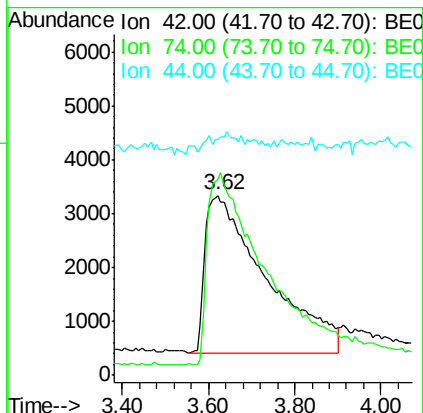
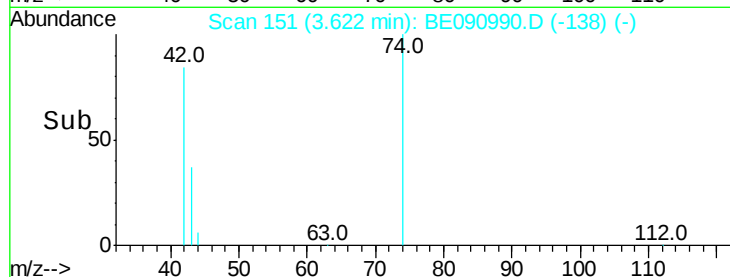
n-Nitrosodimethylamine
 Concen: 3.03 ng
 RT: 3.62 min Scan# 151
 Delta R.T. -0.11 min
 Lab File: BE090990.D
 Acq: 7 Oct 2015 17:36

Instrument :
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Tot Ion: 42 Resp: 28432
 Ion Ratio Lower Upper
 42 100
 74 119.8 87.9 131.9
 44 0.0 6.6 9.8#



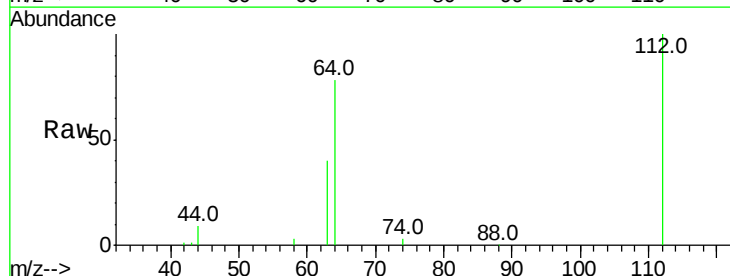
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



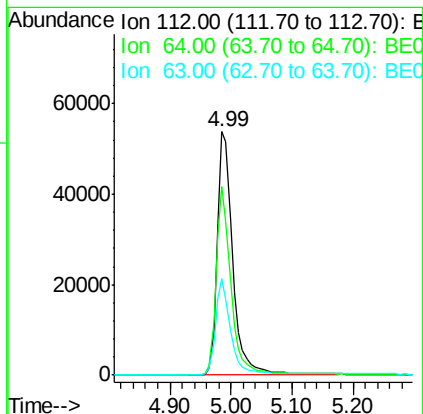
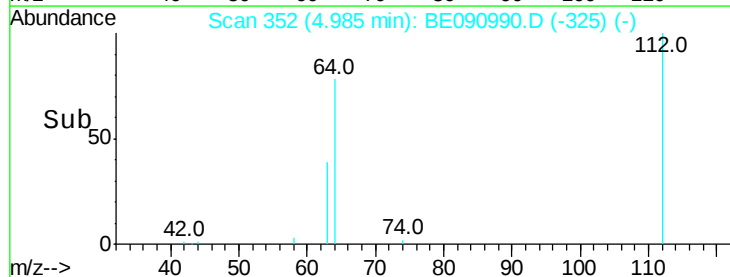
#4

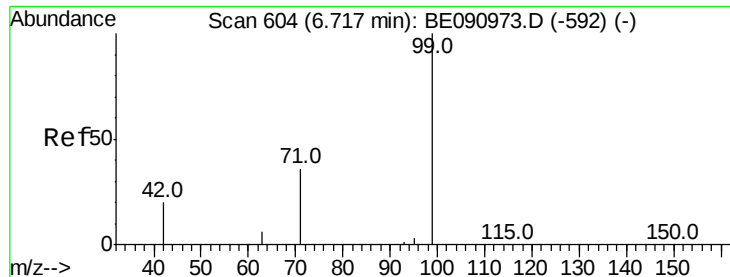
2-Fluorophenol
 Concen: 7.87 ng
 RT: 4.99 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: BE090990.D
 Acq: 7 Oct 2015 17:36

Tgt Ion: 112 Resp: 95408
 Ion Ratio Lower Upper
 112 100
 64 73.8 30.9 46.3#
 63 37.8 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: 7.88 ng

RT: 6.61 min Scan# 588

Delta R.T. -0.01 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

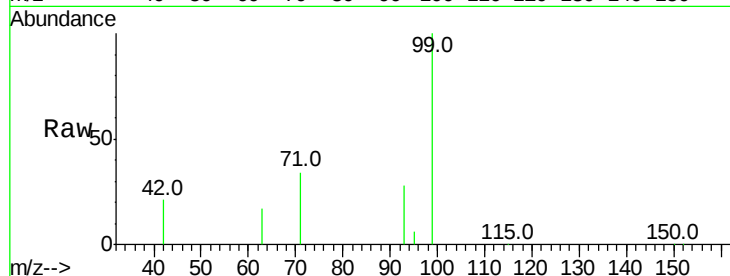
Tot Ion: 99 Resp: 120640

Ion Ratio Lower Upper

99 100

42 23.8 16.2 24.2

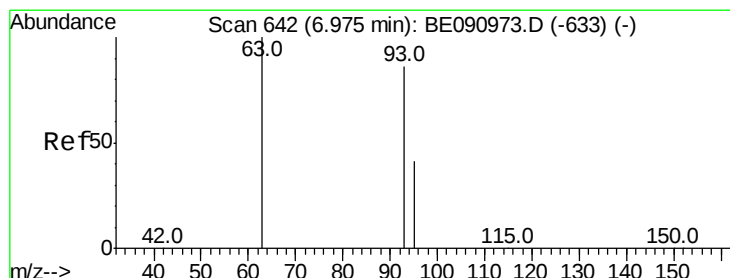
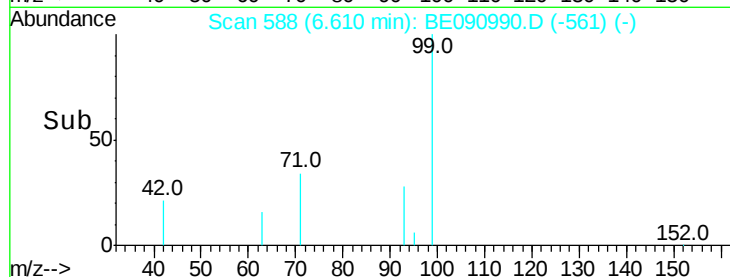
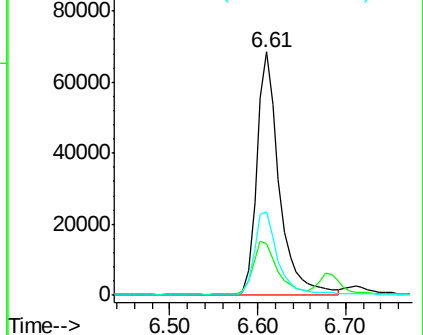
71 37.1 29.0 43.4



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: 9.01 ng

RT: 6.62 min Scan# 590

Delta R.T. -0.03 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

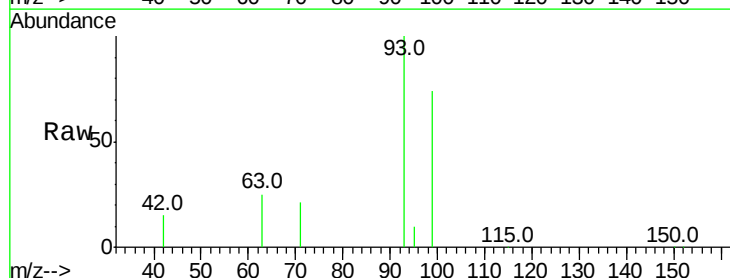
Tgt Ion: 93 Resp: 147410

Ion Ratio Lower Upper

93 100

63 0.0 49.5 74.3#

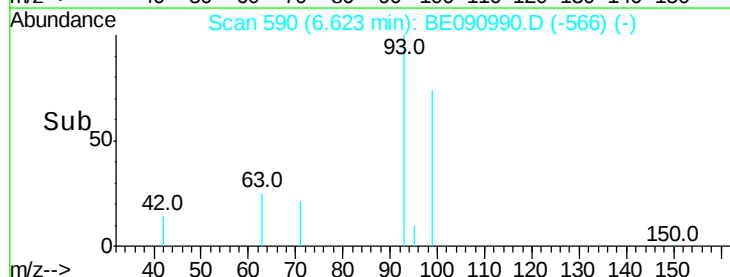
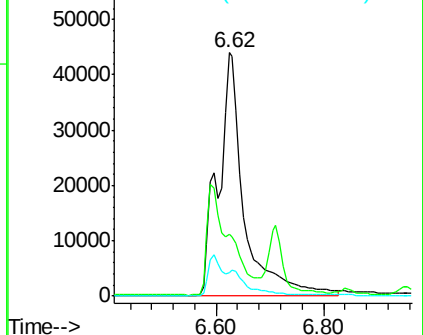
95 0.0 22.2 33.4#

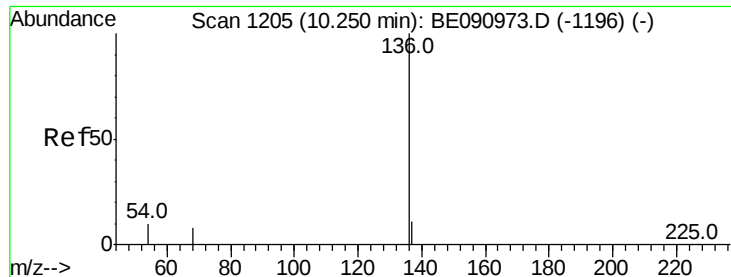


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 9.64 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

Tot Ion:136 Resp: 278272

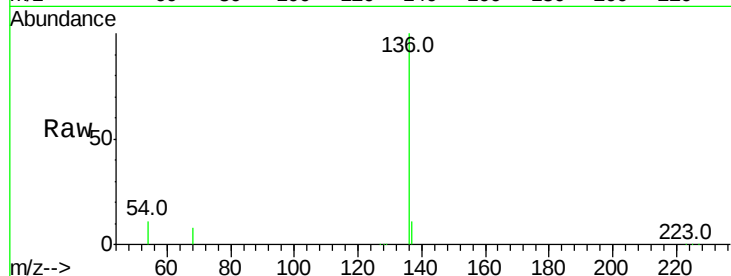
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.9 8.2 12.4

68 8.0 6.2 9.4

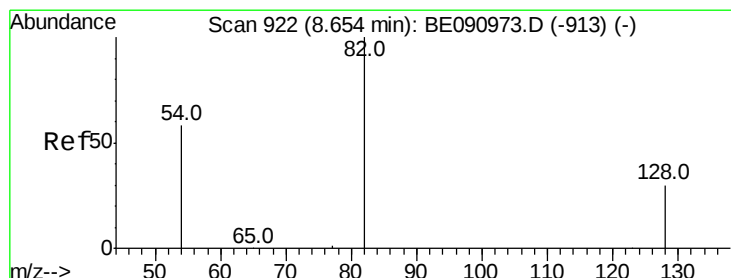
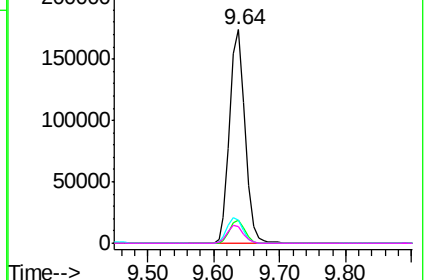
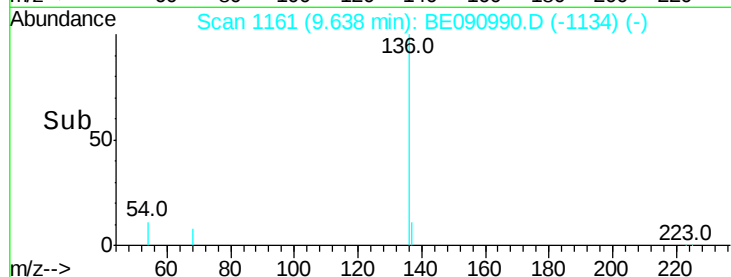


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.34 ng

RT: 8.22 min Scan# 874

Delta R.T. -0.01 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

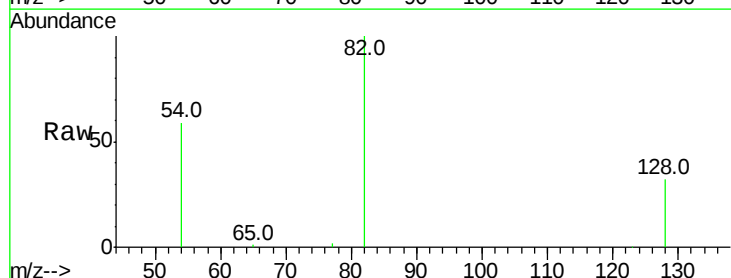
Tgt Ion: 82 Resp: 79137

Ion Ratio Lower Upper

82 100

128 31.7 25.4 38.0

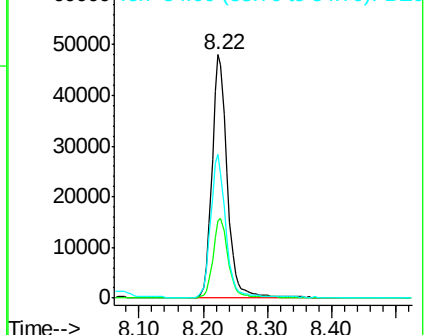
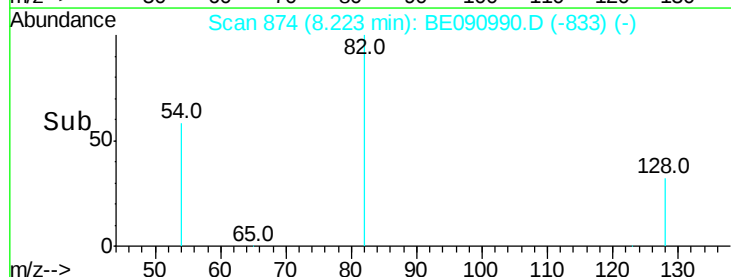
54 59.1 48.4 72.6

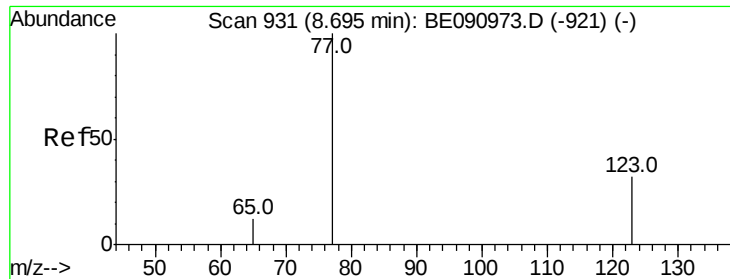


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 3.92 ng

RT: 8.26 min Scan# 882

Delta R.T. -0.01 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

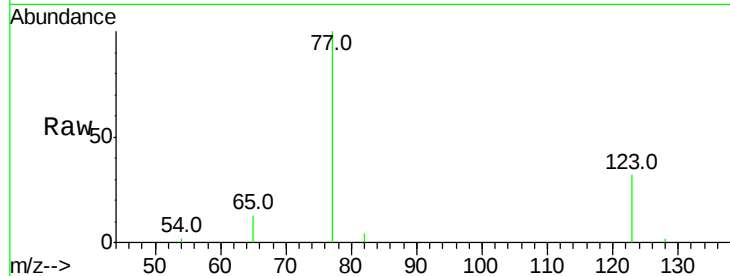
Tot Ion: 77 Resp: 80753

Ion Ratio Lower Upper

77 100

123 33.3 26.9 40.3

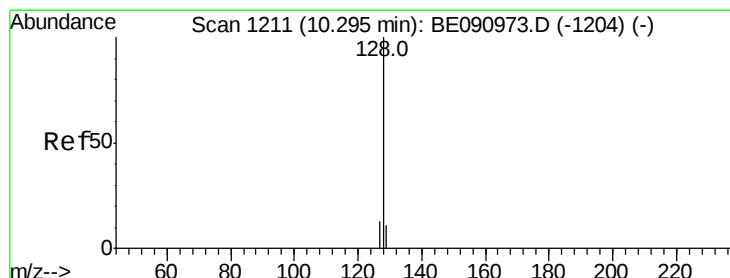
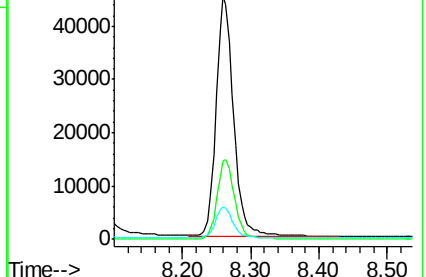
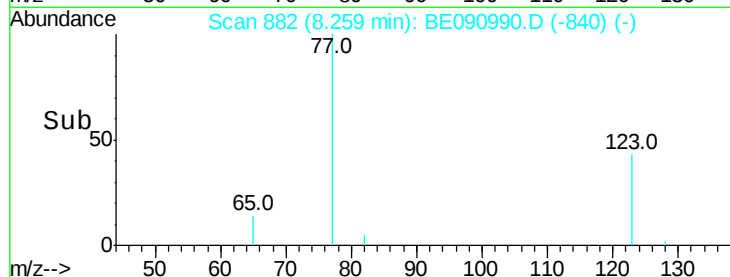
65 12.9 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE090990.D (-840) (-)

Ion 123.00 (122.70 to 123.70): BE090990.D (-840) (-)

Ion 65.00 (64.70 to 65.70): BE090990.D (-840) (-)



#10

Naphthalene

Concen: 3.56 ng

RT: 9.68 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

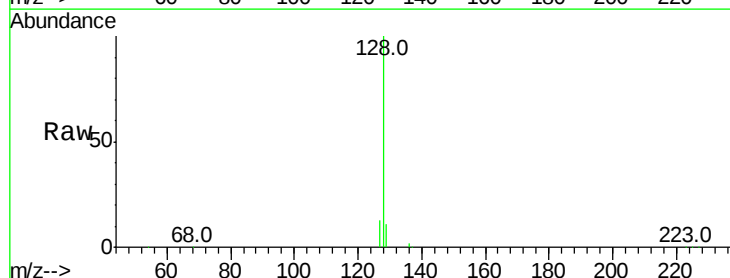
Tgt Ion: 128 Resp: 191615

Ion Ratio Lower Upper

128 100

129 11.0 9.3 13.9

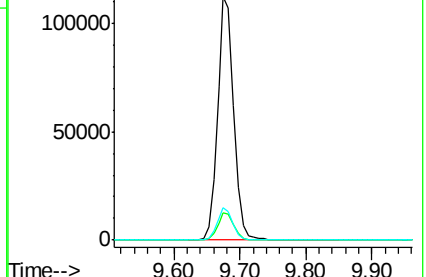
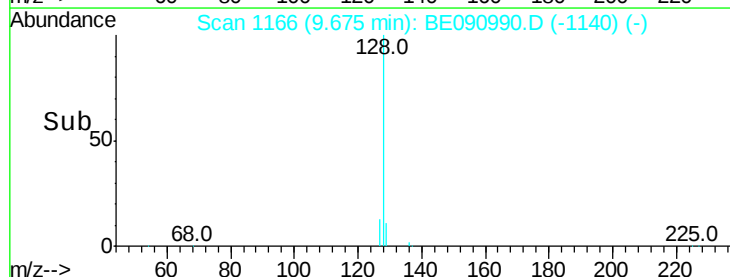
127 13.3 10.7 16.1

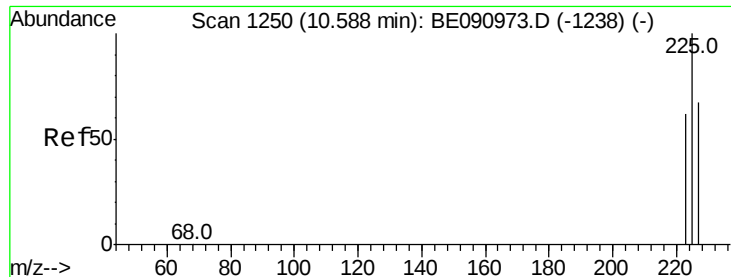


Abundance Ion 128.00 (127.70 to 128.70): BE090990.D (-1140) (-)

Ion 129.00 (128.70 to 129.70): BE090990.D (-1140) (-)

Ion 127.00 (126.70 to 127.70): BE090990.D (-1140) (-)

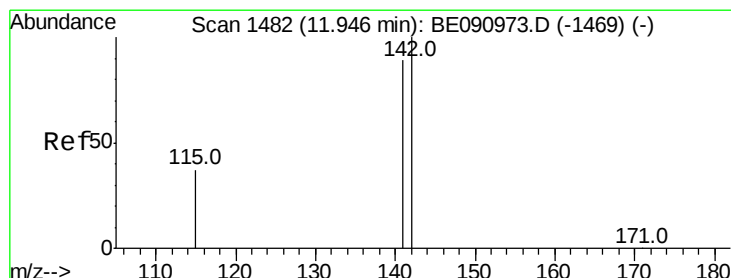
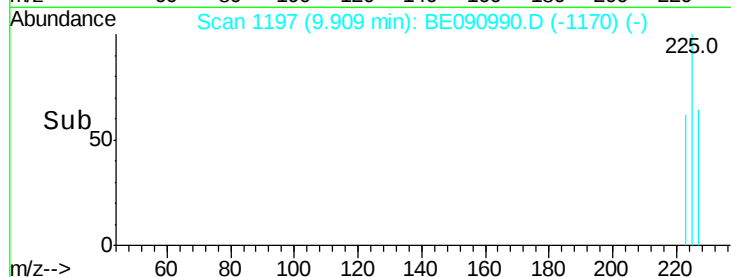
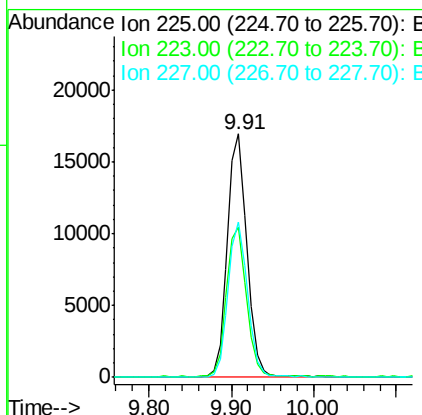
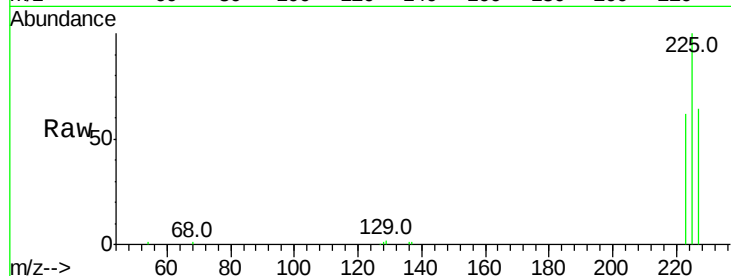




#11
Hexachlorobutadiene
Concen: 3.18 ng
RT: 9.91 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

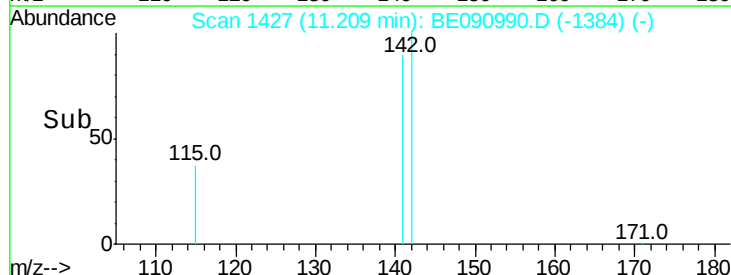
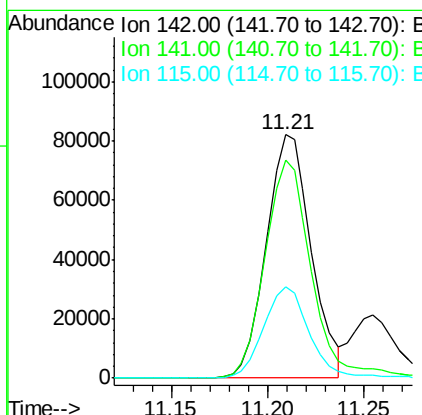
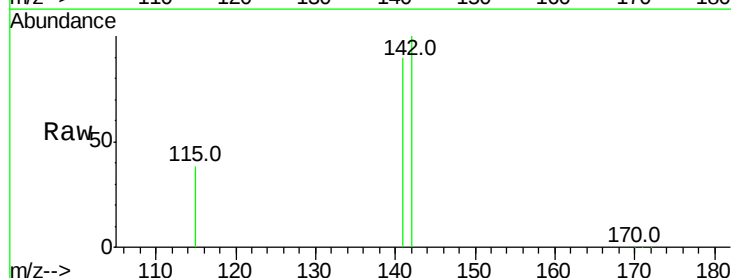
Instrument :
BNA_E
ClientSampleId :
PB85999BSD

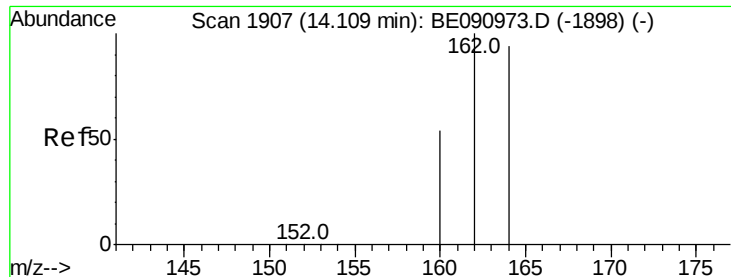
Tot Ion:225 Resp: 27362
Ion Ratio Lower Upper
225 100
223 62.7 49.0 73.6
227 63.7 50.3 75.5



#12
2-Methylnaphthalene
Concen: 3.76 ng
RT: 11.21 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:142 Resp: 132723
Ion Ratio Lower Upper
142 100
141 89.8 71.4 107.0
115 37.6 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.46 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

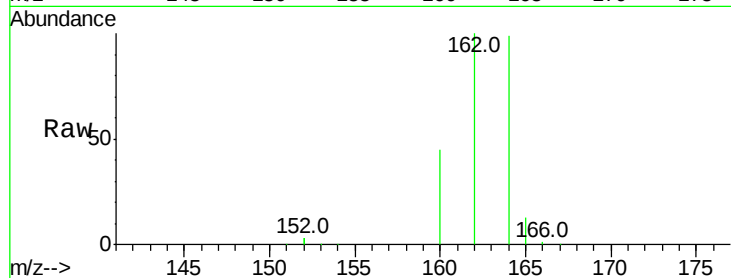
Tot Ion:164 Resp: 152826

Ion Ratio Lower Upper

164 100

162 101.2 85.3 127.9

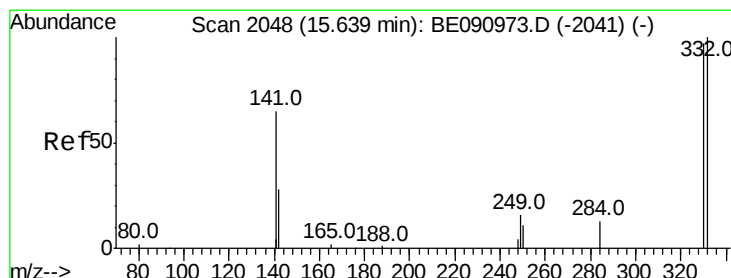
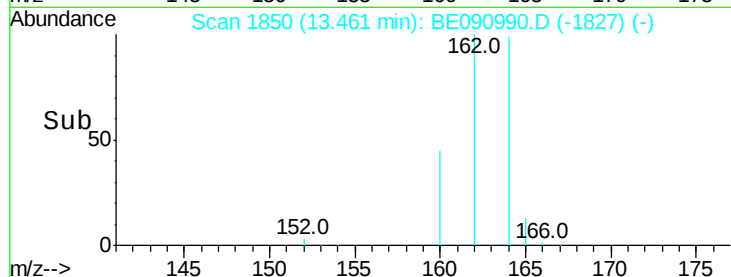
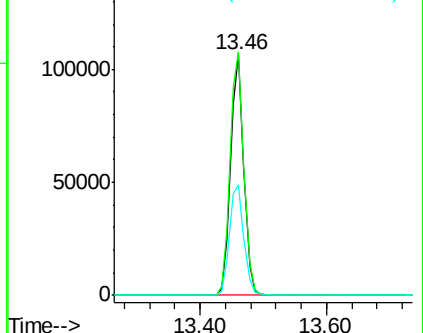
160 45.9 46.2 69.2#



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



#14

2,4,6-Tribromophenol

Concen: 7.76 ng

RT: 14.99 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

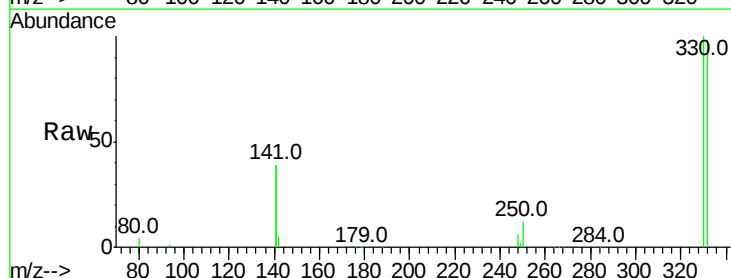
Tgt Ion:330 Resp: 41057

Ion Ratio Lower Upper

330 100

332 97.2 79.1 118.7

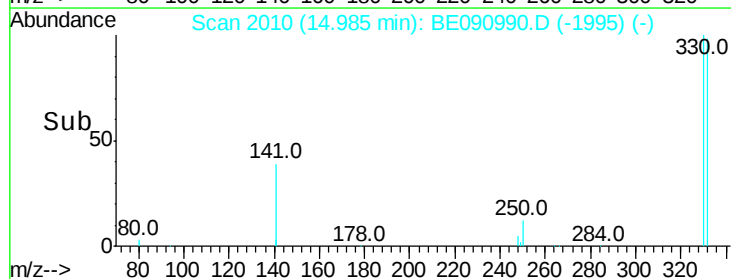
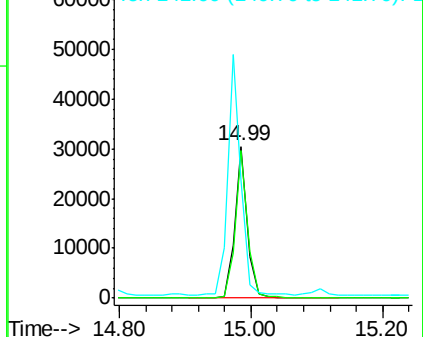
141 164.1 125.4 188.0

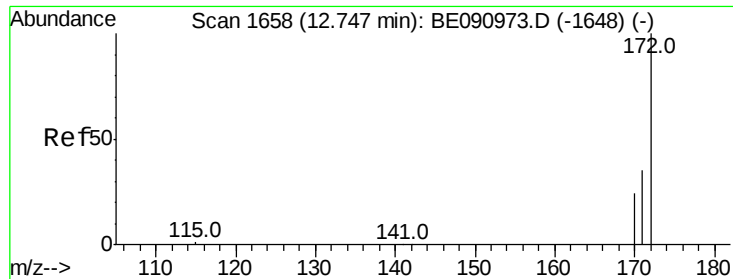


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

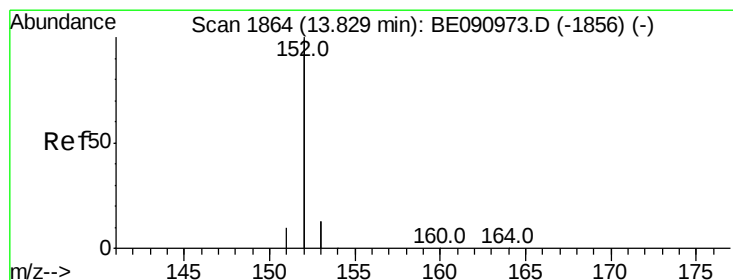
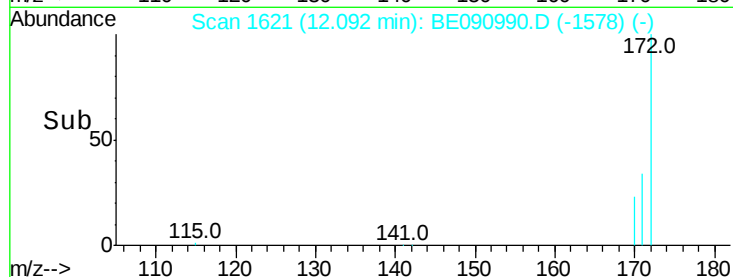
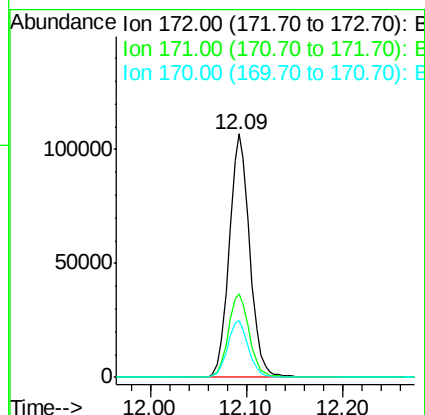
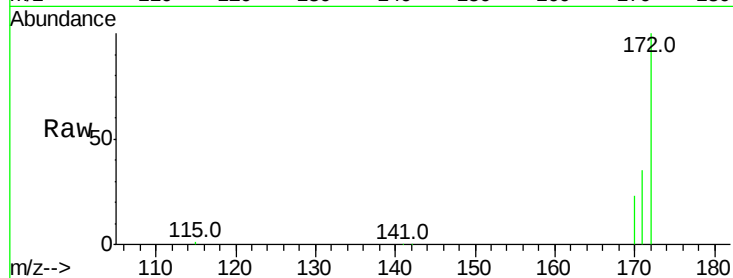




#15
2-Fluorobiphenyl
Concen: 3.80 ng
RT: 12.09 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

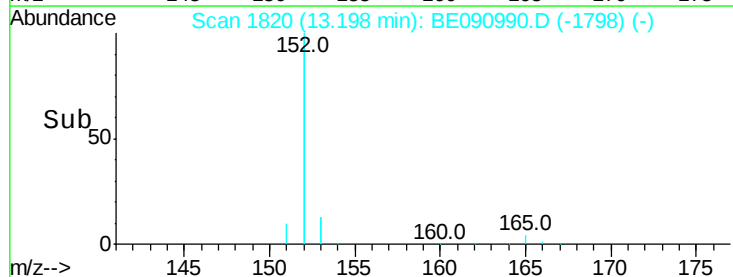
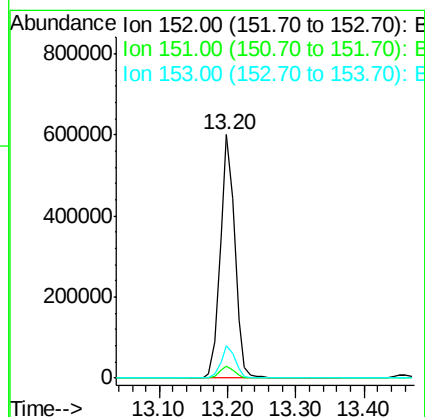
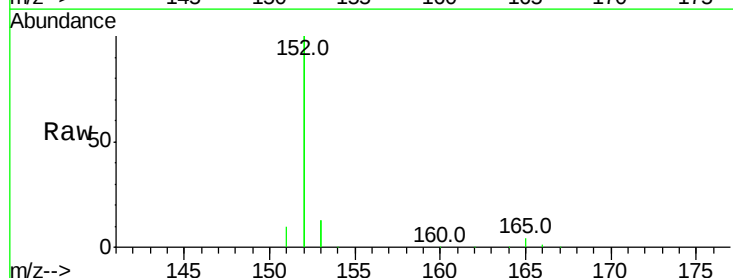
Instrument :
BNA_E
ClientSampleId :
PB85999BSD

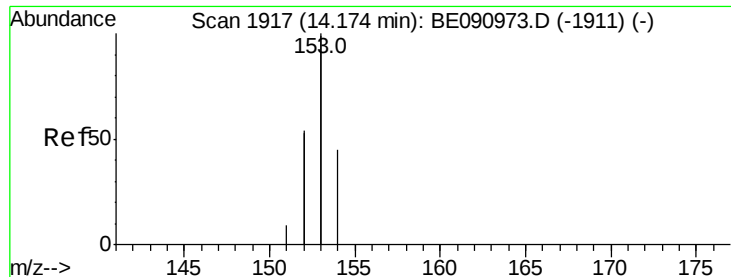
Tot Ion:172 Resp: 157435
Ion Ratio Lower Upper
172 100
171 34.5 28.8 43.2
170 23.1 19.3 28.9



#16
Acenaphthylene
Concen: 3.45 ng
RT: 13.20 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:152 Resp: 880573
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 3.34 ng

RT: 13.52 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

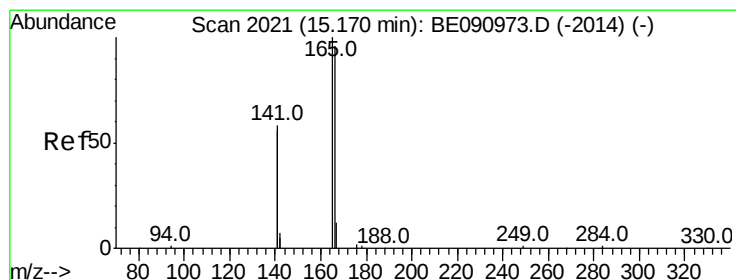
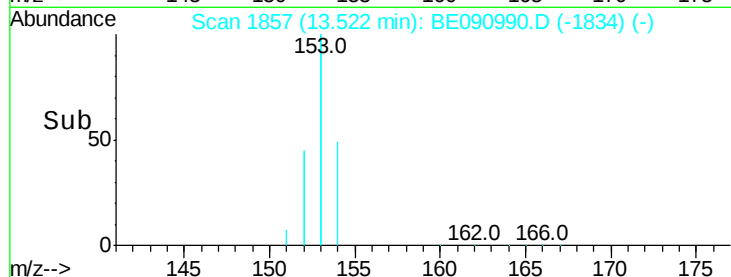
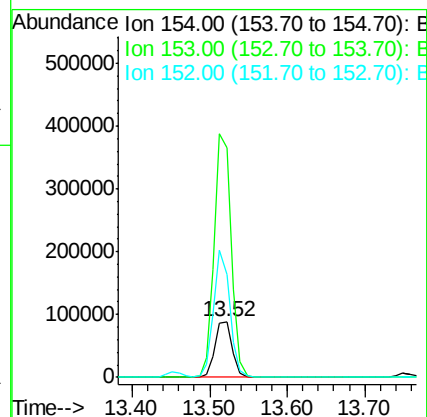
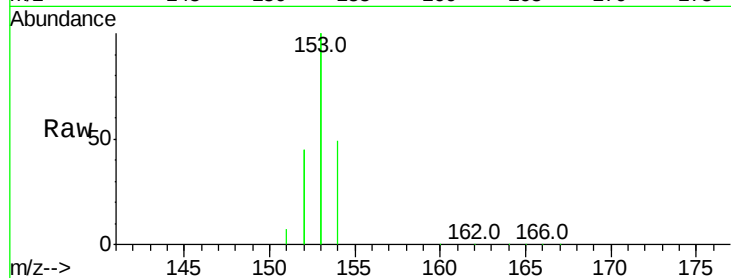
Tot Ion:154 Resp: 136320

Ion Ratio Lower Upper

154 100

153 433.7 352.0 528.0

152 215.4 200.0 300.0



#18

Fluorene

Concen: 3.51 ng

RT: 14.50 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

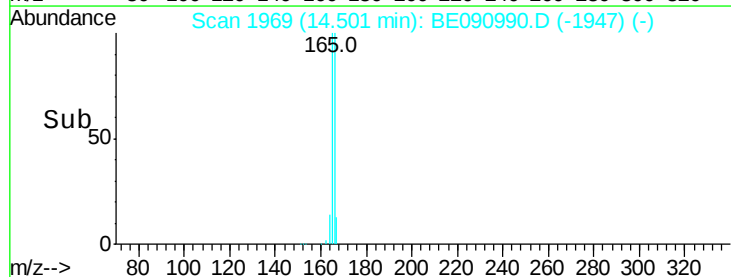
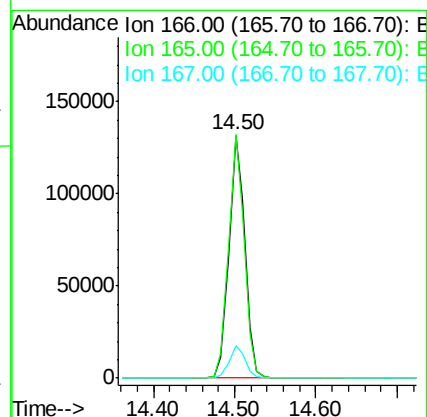
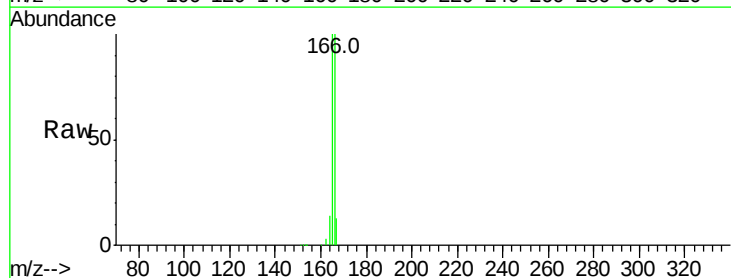
Tgt Ion:166 Resp: 176851

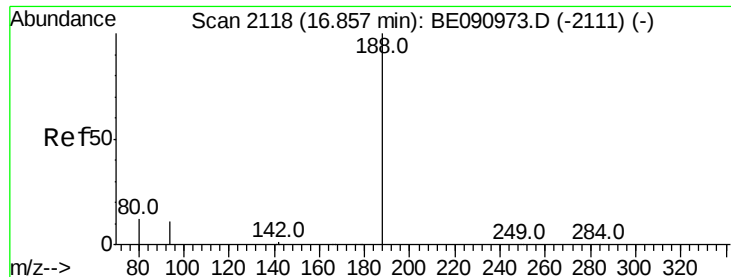
Ion Ratio Lower Upper

166 100

165 99.6 80.8 121.2

167 13.5 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.19 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

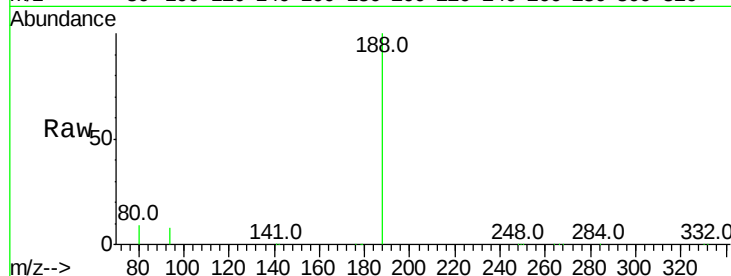
Tot Ion:188 Resp: 351177

Ion Ratio Lower Upper

188 100

94 8.4 8.7 13.1#

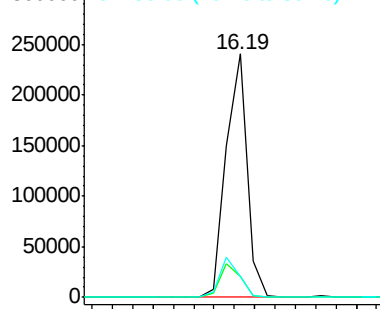
80 8.8 9.4 14.0#



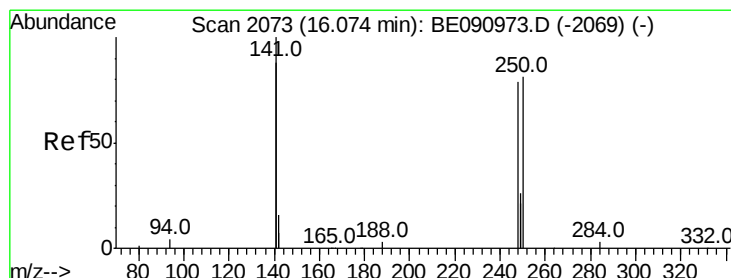
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#20

4-Bromophenyl-phenylether

Concen: 3.60 ng

RT: 15.36 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

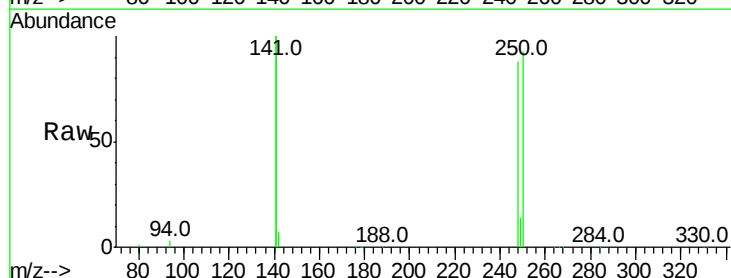
Tgt Ion:248 Resp: 47708

Ion Ratio Lower Upper

248 100

250 98.1 80.5 120.7

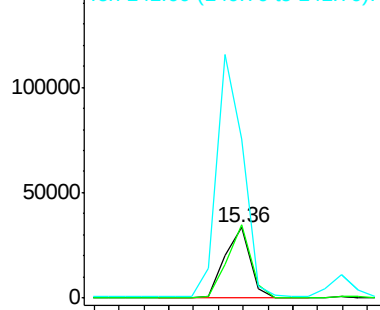
141 352.4 261.9 392.9



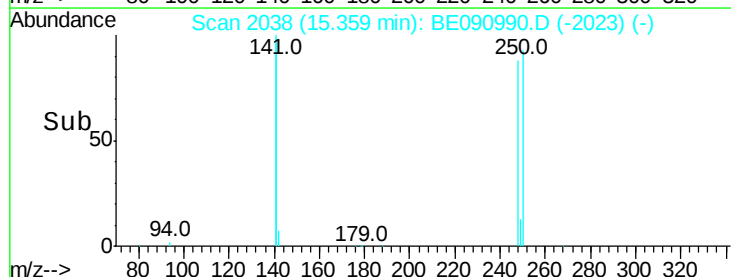
Abundance Ion 248.00 (247.70 to 248.70): E

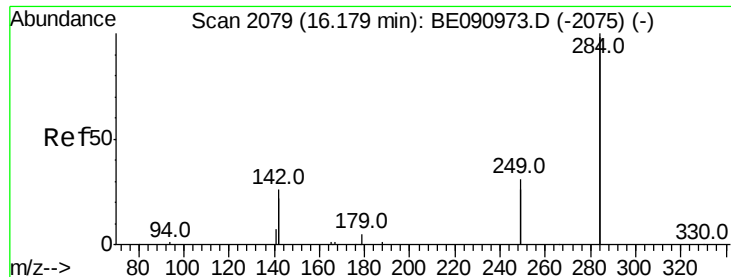
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#21

Hexachlorobenzene

Concen: 0.80 ng

RT: 15.45 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

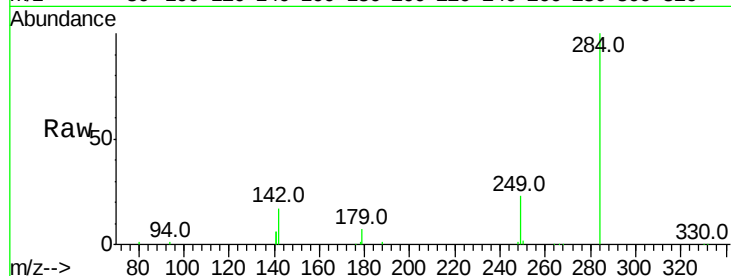
Tot Ion:284 Resp: 53353

Ion Ratio Lower Upper

284 100

142 40.4 32.2 48.2

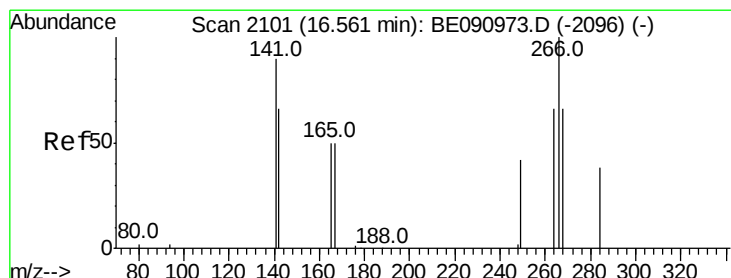
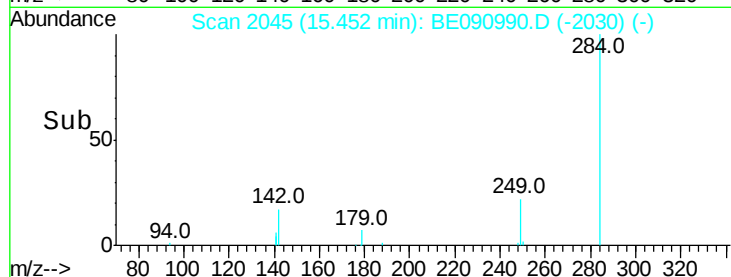
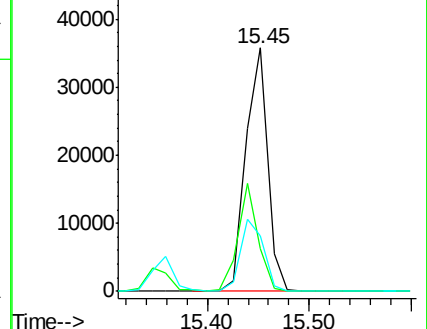
249 30.6 25.4 38.2



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: 6.96 ng

RT: 15.93 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

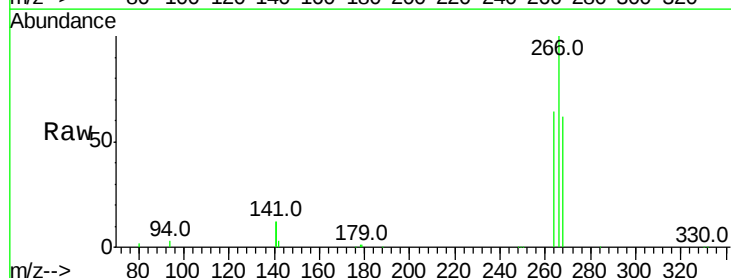
Tgt Ion:266 Resp: 38116

Ion Ratio Lower Upper

266 100

268 62.2 58.2 87.2

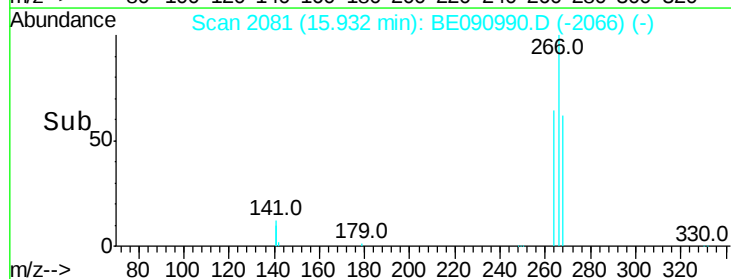
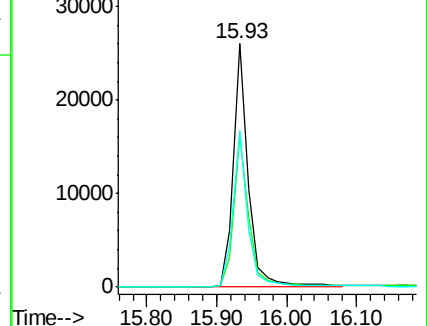
264 64.2 56.2 84.4

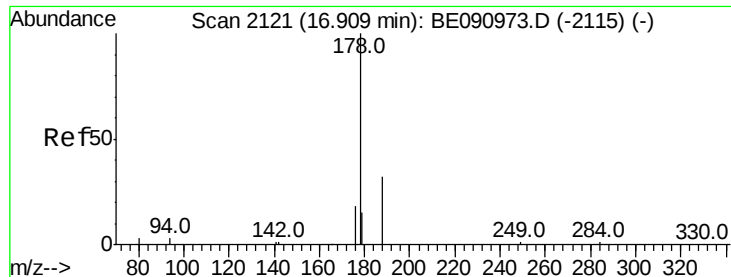


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 3.79 ng

RT: 16.21 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

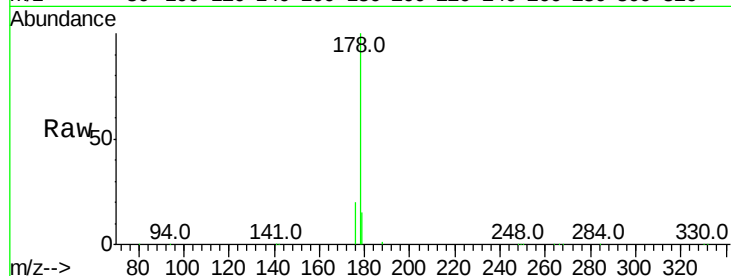
BNA_E

ClientSampleId :

PB85999BSD

Tot Ion:178 Resp: 303507

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.4	12.6	18.8

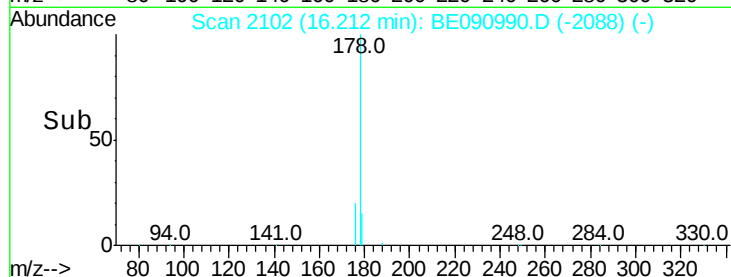
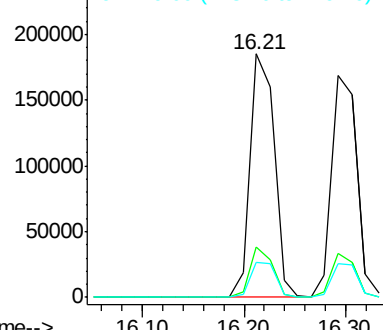


Abundance Ion 178.00 (177.70 to 178.70): E

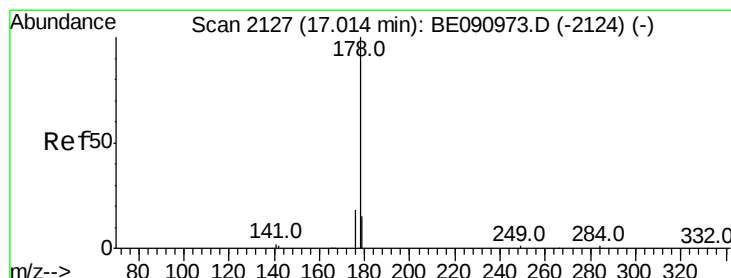
250000

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 3.81 ng

RT: 16.29 min Scan# 2108

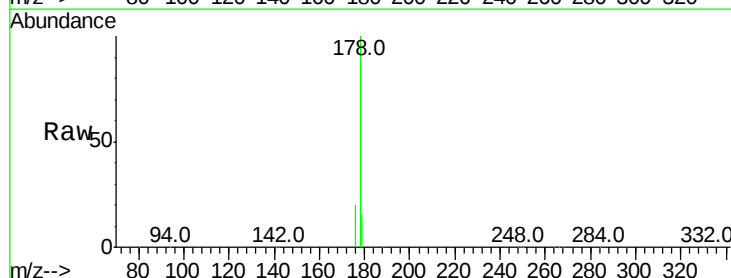
Delta R.T. -0.01 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Tgt Ion:178 Resp: 290292

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.3	11.8	17.6

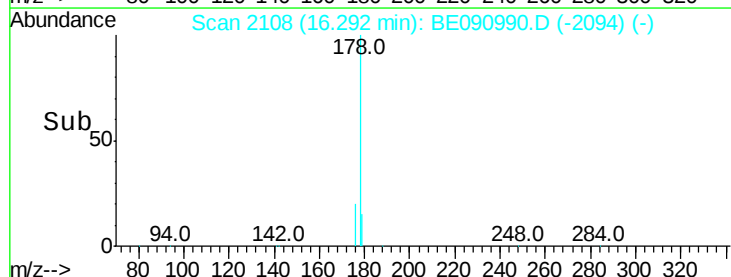
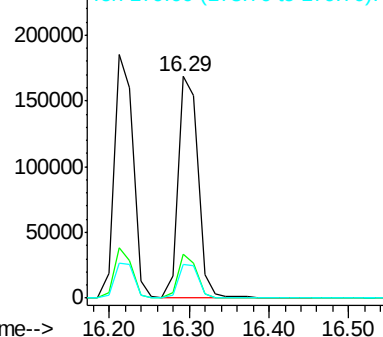


Abundance Ion 178.00 (177.70 to 178.70): E

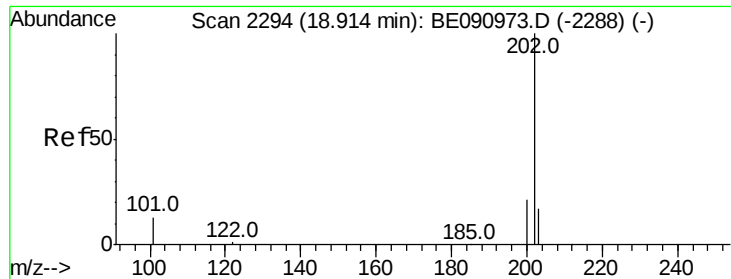
250000

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



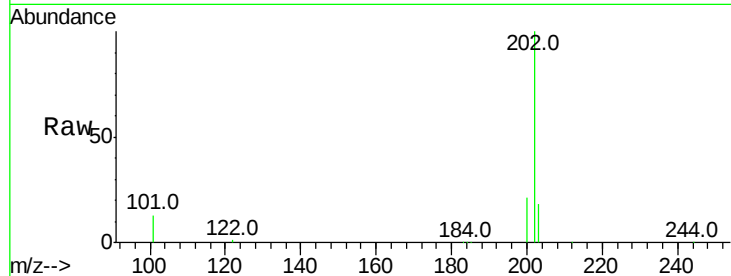
Time-->



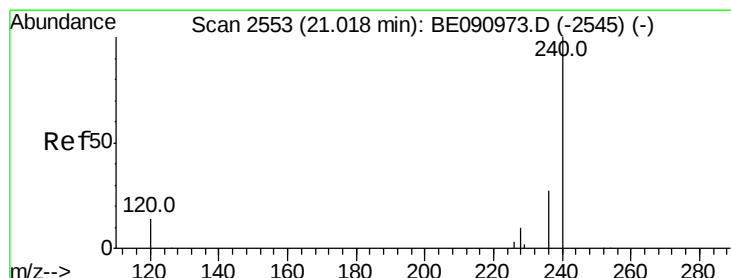
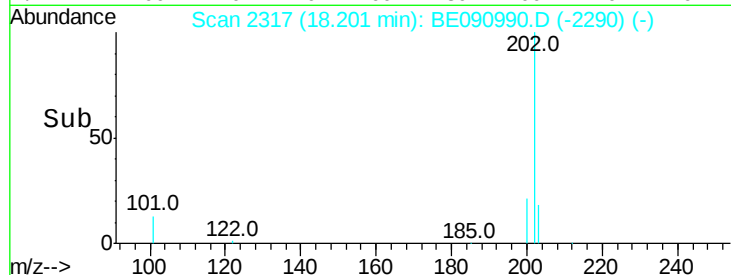
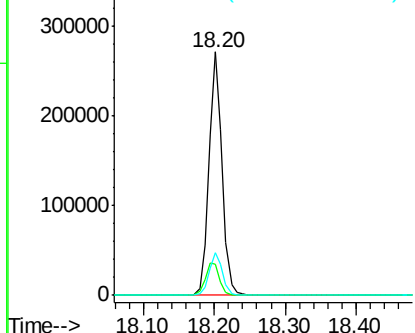
#25
 Fluoranthene
 Concen: 3.84 ng
 RT: 18.20 min Scan# 2317
 Delta R.T. -0.00 min
 Lab File: BE090990.D
 Acq: 7 Oct 2015 17:36

Instrument :
 BNA_E
 ClientSampleId :
 PB85999BSD

Tot Ion:202 Resp: 351077
 Ion Ratio Lower Upper
 202 100
 101 14.4 11.0 16.6
 203 17.5 13.9 20.9

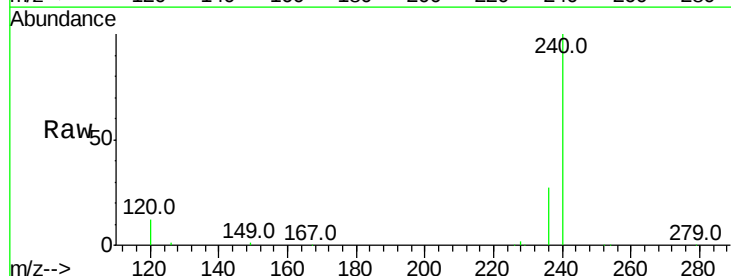


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

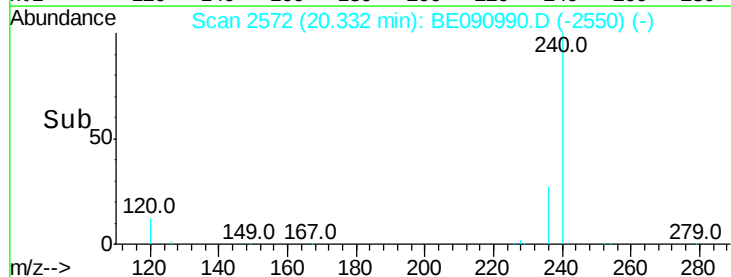
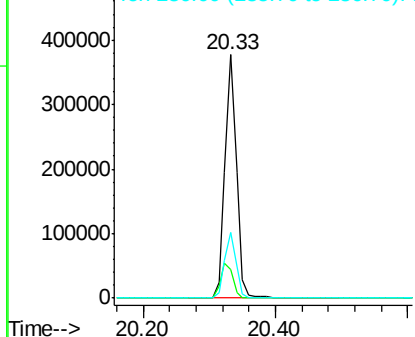


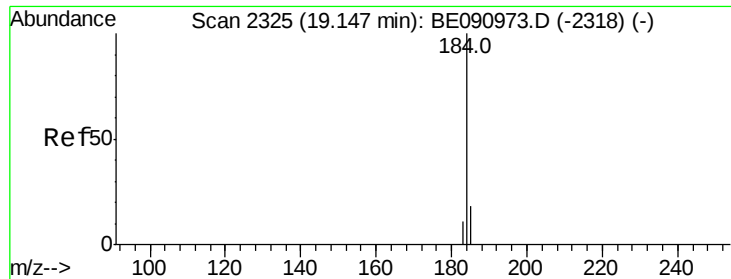
#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.33 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE090990.D
 Acq: 7 Oct 2015 17:36

Tgt Ion:240 Resp: 454195
 Ion Ratio Lower Upper
 240 100
 120 11.8 11.0 16.4
 236 26.8 21.7 32.5



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

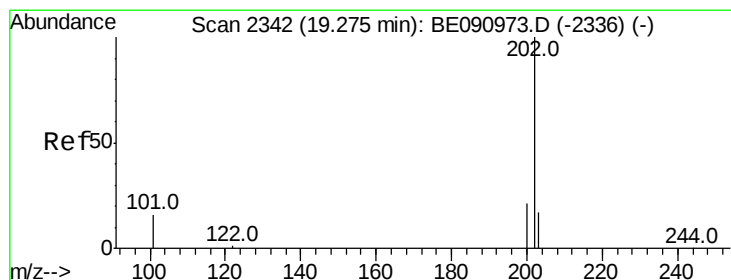
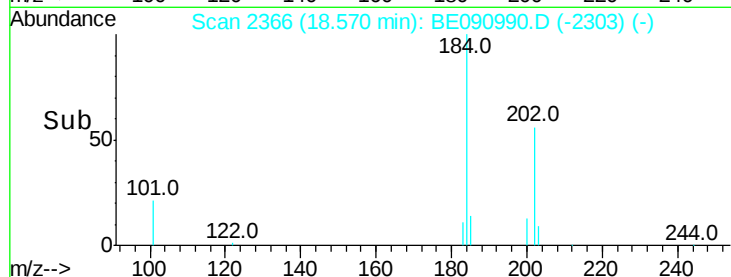
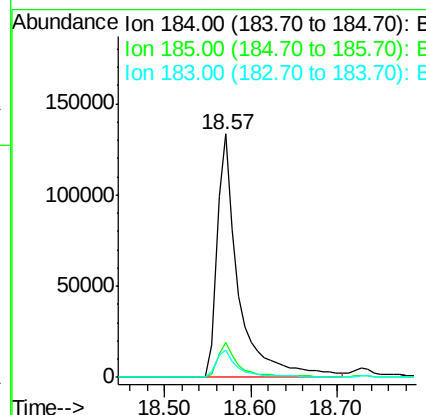
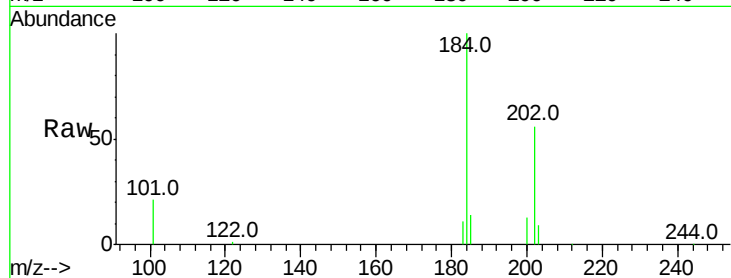




#27
Benzidine
Concen: 9.98 ng
RT: 18.57 min Scan# 2366
Delta R.T. -0.02 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

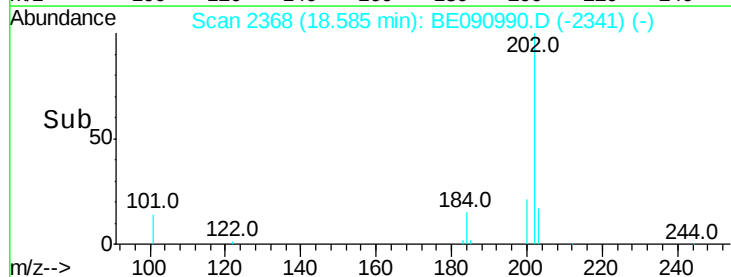
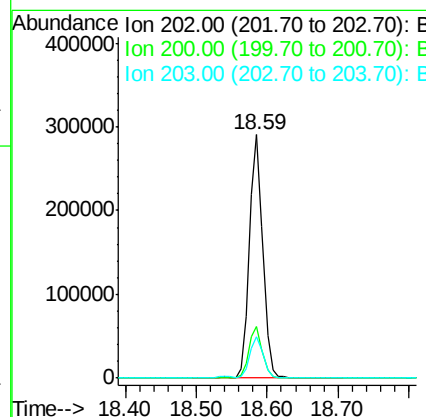
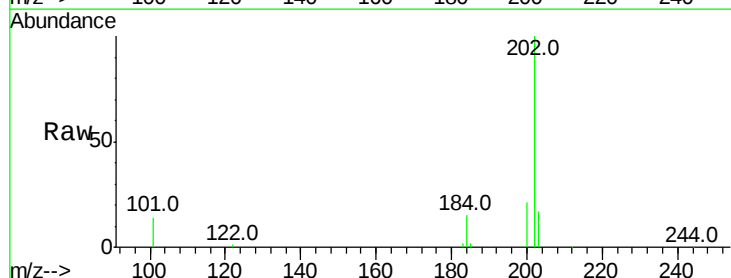
Instrument :
BNA_E
ClientSampleId :
PB85999BSD

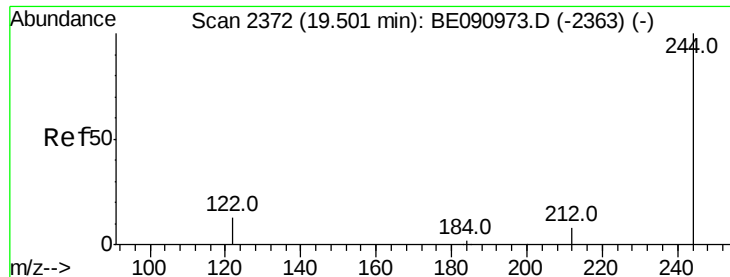
Tot Ion:184 Resp: 226128
Ion Ratio Lower Upper
184 100
185 14.4 22.3 33.5#
183 11.3 16.4 24.6#



#28
Pyrene
Concen: 3.67 ng
RT: 18.59 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:202 Resp: 382809
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.1 14.0 21.0





#29

Terphenyl-d14

Concen: 4.11 ng

RT: 18.74 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

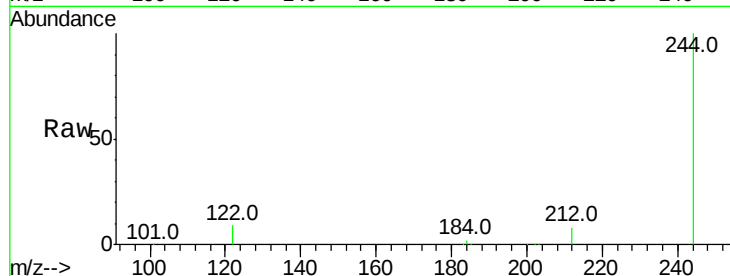
Tot Ion:244 Resp: 229901

Ion Ratio Lower Upper

244 100

212 7.7 6.9 10.3

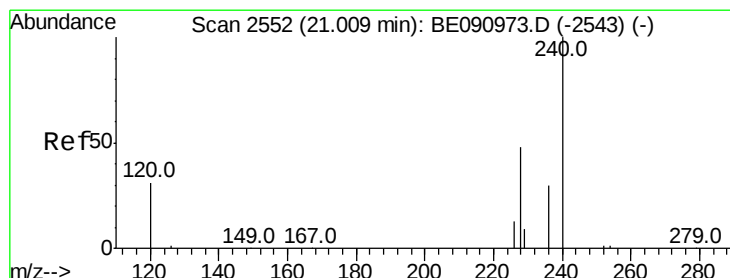
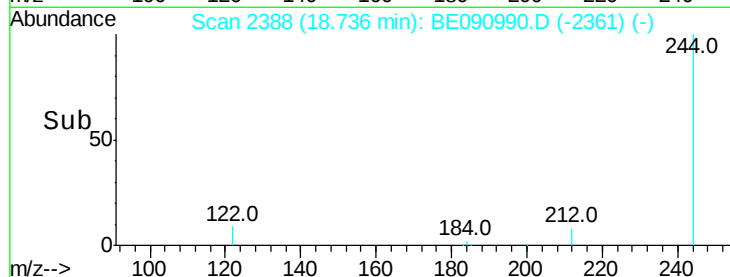
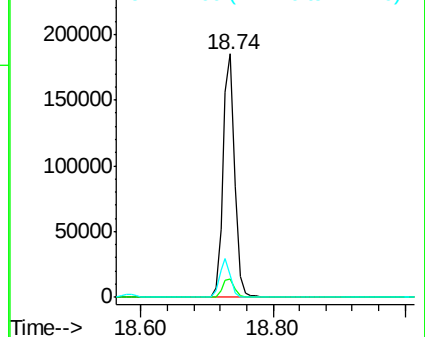
122 9.0 11.0 16.4#



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



#30

Benzo(a)anthracene

Concen: 3.84 ng

RT: 20.31 min Scan# 2569

Delta R.T. -0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

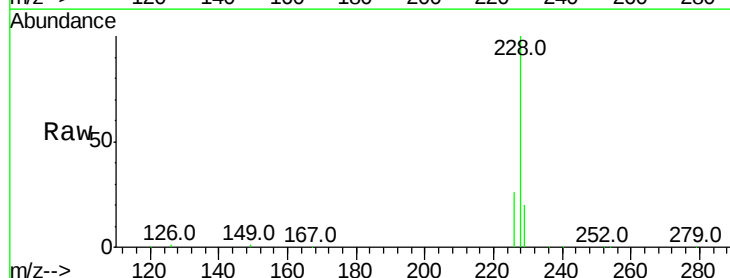
Tgt Ion:228 Resp: 387966

Ion Ratio Lower Upper

228 100

226 26.3 21.0 31.4

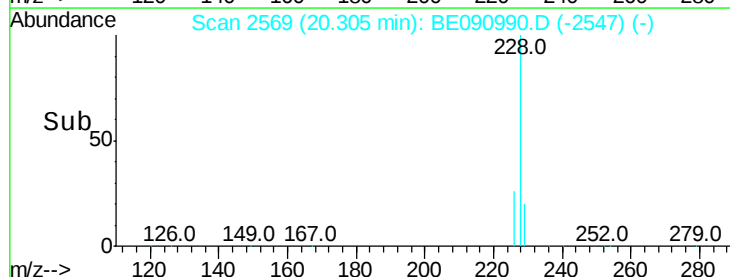
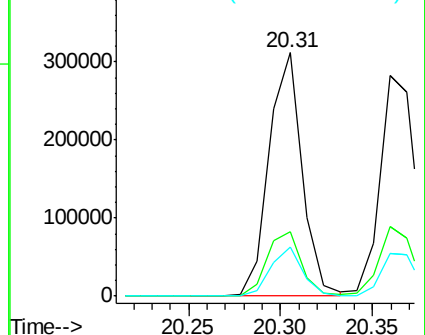
229 20.3 15.7 23.5

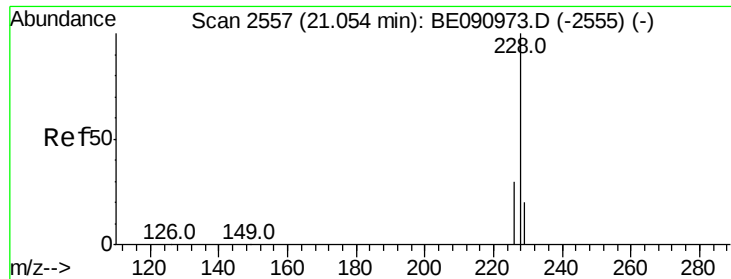


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Chrysene

Concen: 3.55 ng

RT: 20.36 min Scan# 2575

Delta R.T. -0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

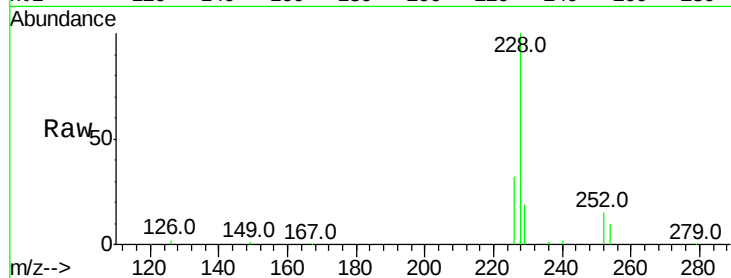
Tot Ion:228 Resp: 380461

Ion Ratio Lower Upper

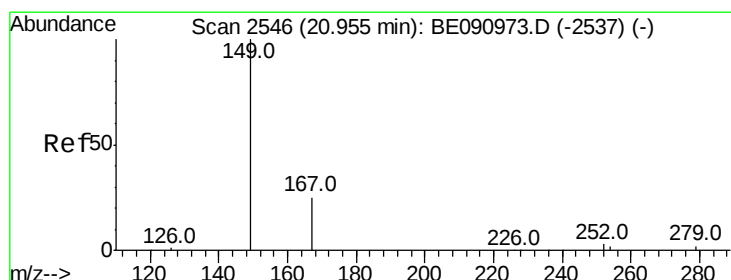
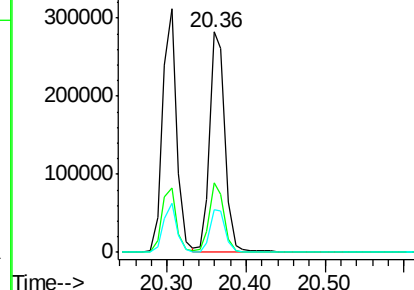
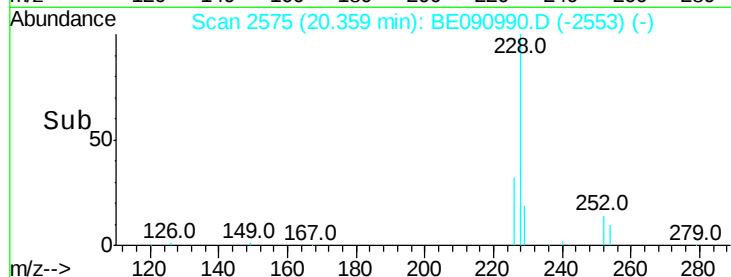
228 100

226 31.8 24.0 36.0

229 19.2 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



#33

Bis(2-ethylhexyl)phthalate

Concen: 4.67 ng

RT: 20.02 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

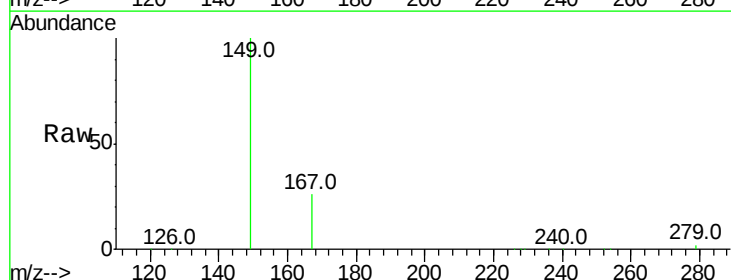
Tgt Ion:149 Resp: 207186

Ion Ratio Lower Upper

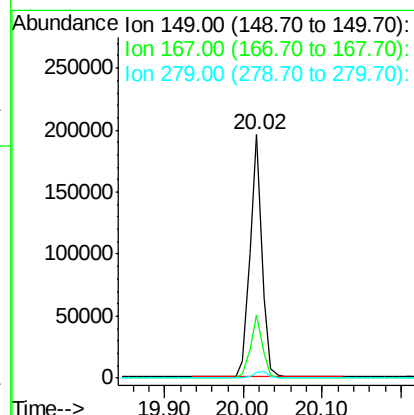
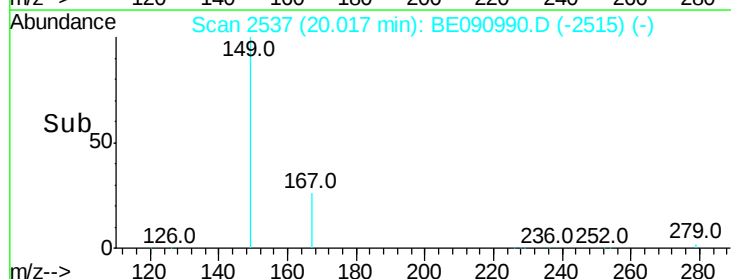
149 100

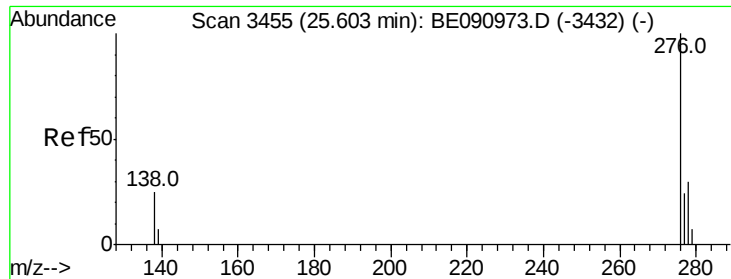
167 25.7 19.5 29.3

279 3.1 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

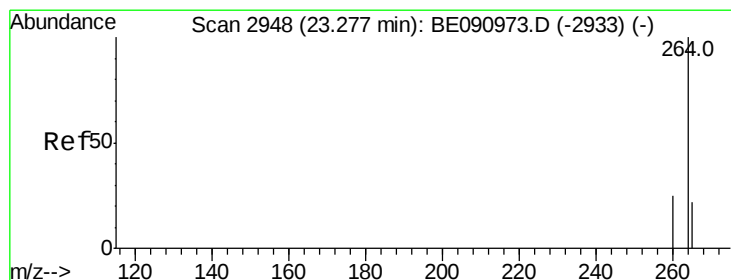
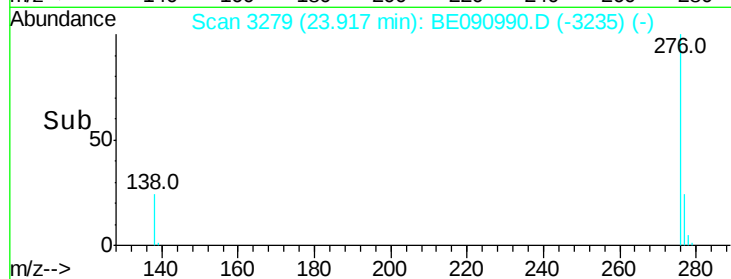
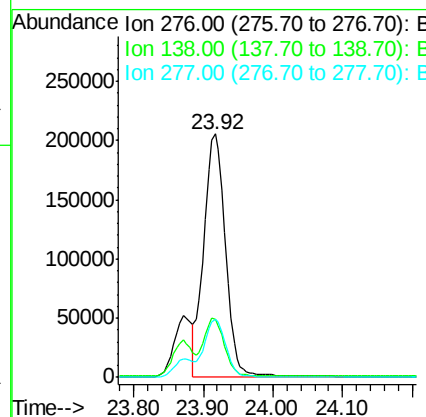
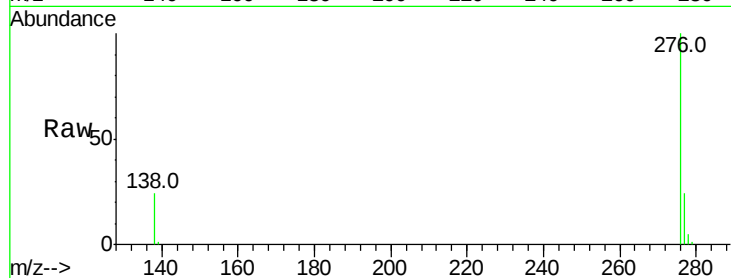




#34
Indeno(1,2,3-cd)pyrene
Concen: 3.91 ng
RT: 23.92 min Scan# 3279
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

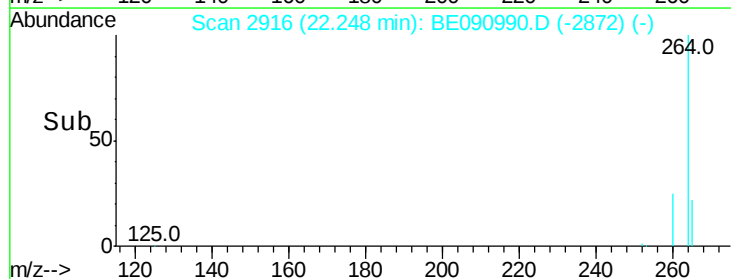
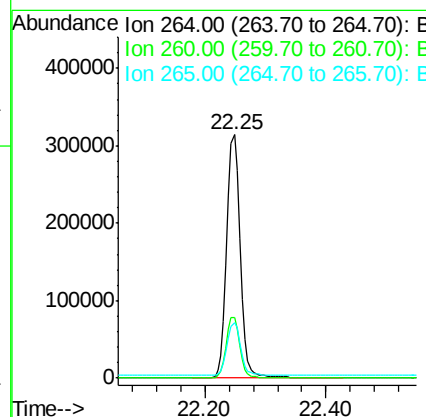
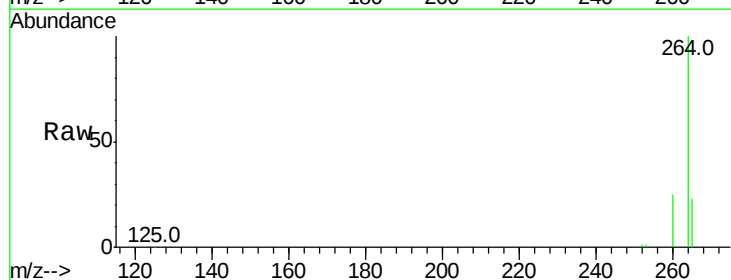
Instrument :
BNA_E
ClientSampleId :
PB85999BSD

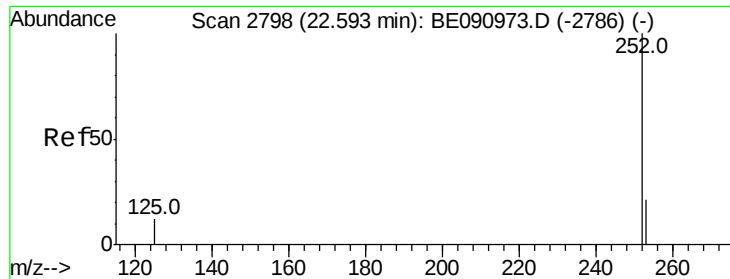
Tot Ion:276 Resp: 441812
Ion Ratio Lower Upper
276 100
138 22.8 23.4 35.2#
277 24.0 19.8 29.8



#35
Perylene-d12
Concen: 5.00 ng
RT: 22.25 min Scan# 2916
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:264 Resp: 492387
Ion Ratio Lower Upper
264 100
260 24.6 20.0 30.0
265 22.7 17.5 26.3





#36

Benzo(b)fluoranthene

Concen: 3.86 ng

RT: 21.67 min Scan# 2790

Delta R.T. -0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

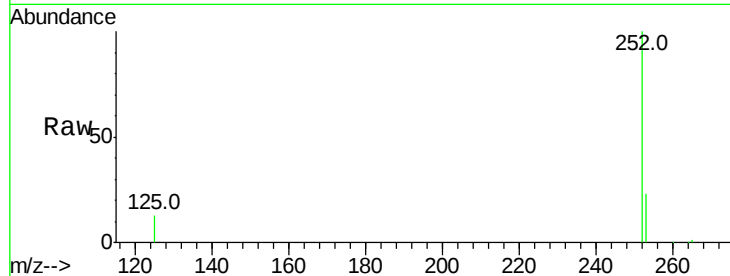
Tot Ion:252 Resp: 418818

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

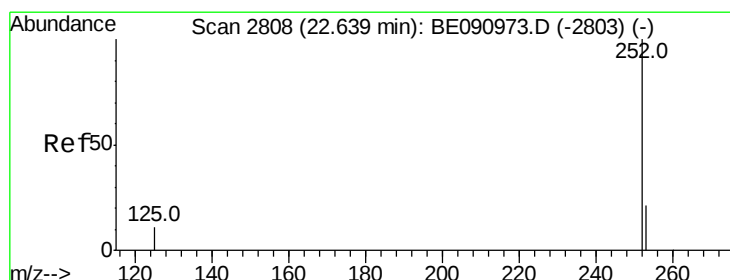
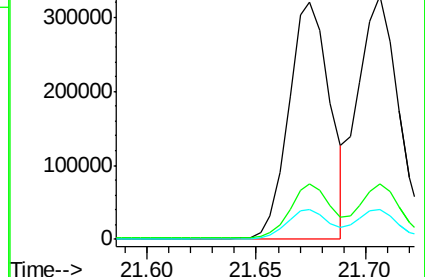
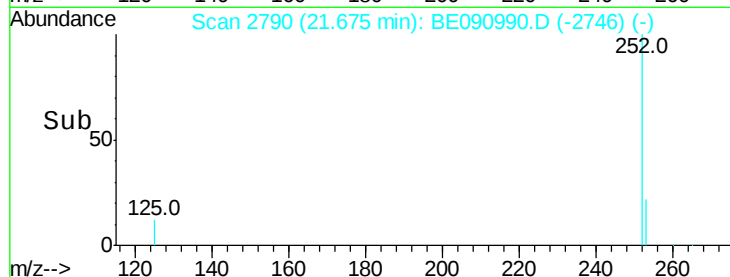
125 12.6 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(k)fluoranthene

Concen: 3.27 ng

RT: 21.71 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

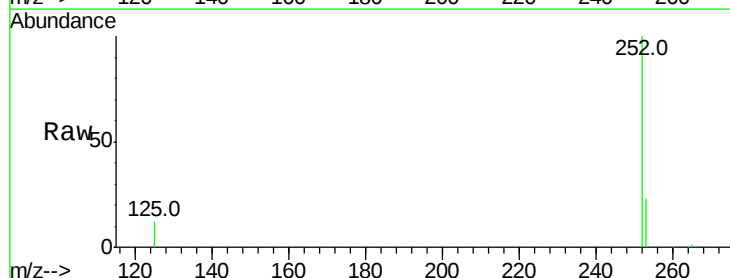
Tgt Ion:252 Resp: 432932

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

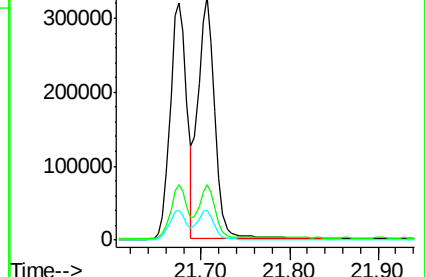
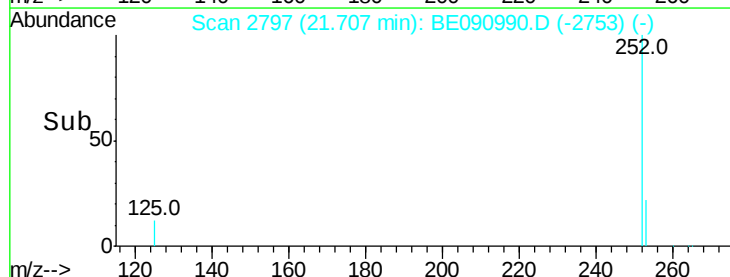
125 12.3 9.9 14.9

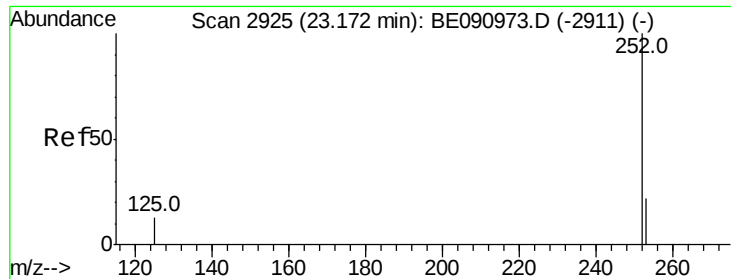


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 4.07 ng

RT: 22.15 min Scan# 2894

Delta R.T. -0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

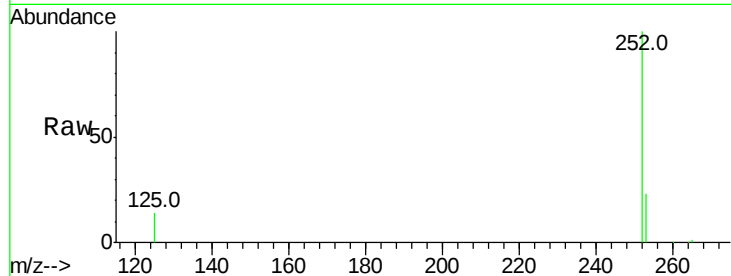
Tot Ion:252 Resp: 409217

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

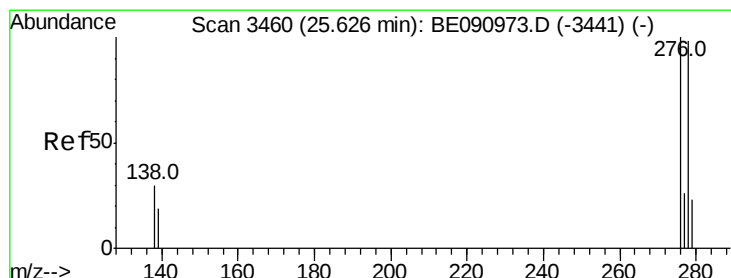
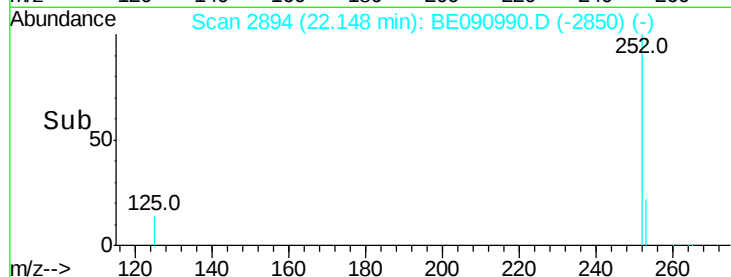
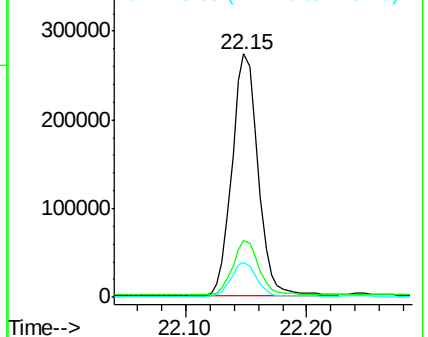
125 14.1 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#39

Dibenzo(a,h)anthracene

Concen: 4.49 ng

RT: 23.88 min Scan# 3270

Delta R.T. 0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

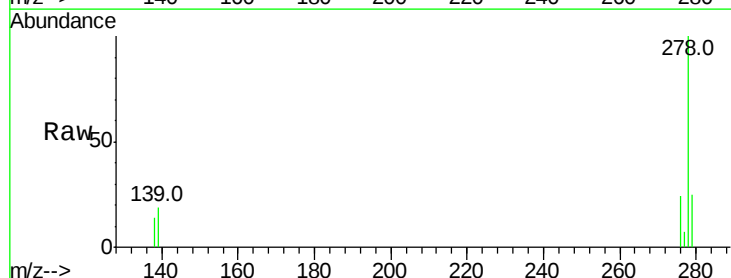
Tgt Ion:278 Resp: 446273

Ion Ratio Lower Upper

278 100

139 18.6 16.0 24.0

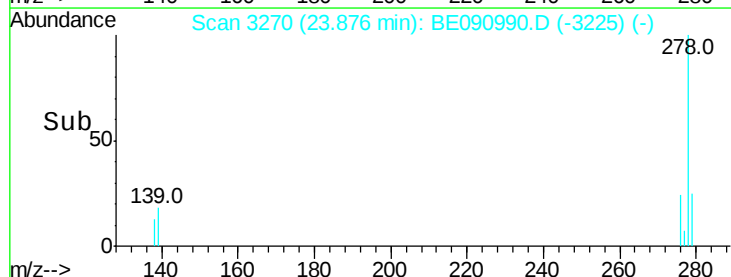
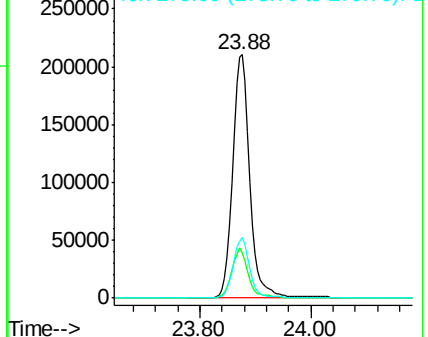
279 24.7 19.4 29.2

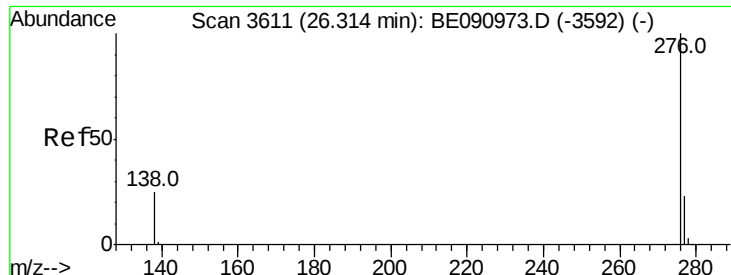


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#40

Benzo(a,h,i)perylene

Concen: 4.24 ng

RT: 24.49 min Scan# 3405

Delta R.T. 0.00 min

Lab File: BE090990.D

Acq: 7 Oct 2015 17:36

Instrument :

BNA_E

ClientSampleId :

PB85999BSD

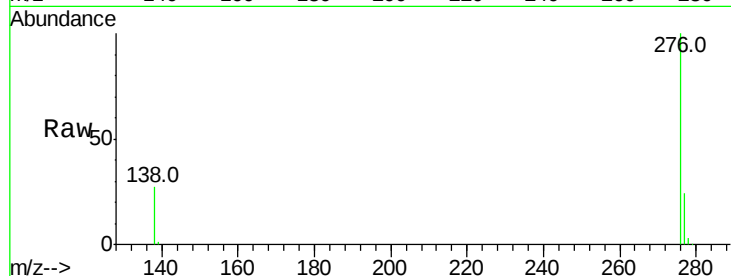
Tot Ion:276 Resp: 458161

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 26.6 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

