

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100715\
 Data File : BE090989.D
 Acq On : 7 Oct 2015 17:00
 Operator : UM/IZ
 Sample : PB85999BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85999BS

Quant Time: Oct 08 01:46:50 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	60269	5.00	ng	0.00
7) Naphthalene-d8	9.64	136	279573	5.00	ng	0.00
13) Acenaphthene-d10	13.46	164	152969	5.00	ng	0.00
19) Phenanthrene-d10	16.19	188	348019	5.00	ng	0.00
26) Chrysene-d12	20.33	240	460320	5.00	ng	0.00
35) Perylene-d12	22.25	264	488450	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.99	112	104283	8.53	ng	-0.01
5) Phenol-d6	6.61	99	128462	8.33	ng	-0.01
8) Nitrobenzene-d5	8.22	82	84267	4.58	ng	-0.01
14) 2,4,6-Tribromophenol	14.99	330	43849	8.27	ng	0.00
15) 2-Fluorobiphenyl	12.09	172	166518	4.02	ng	0.00
29) Terphenyl-d14	18.74	244	244458	4.31	ng	0.00

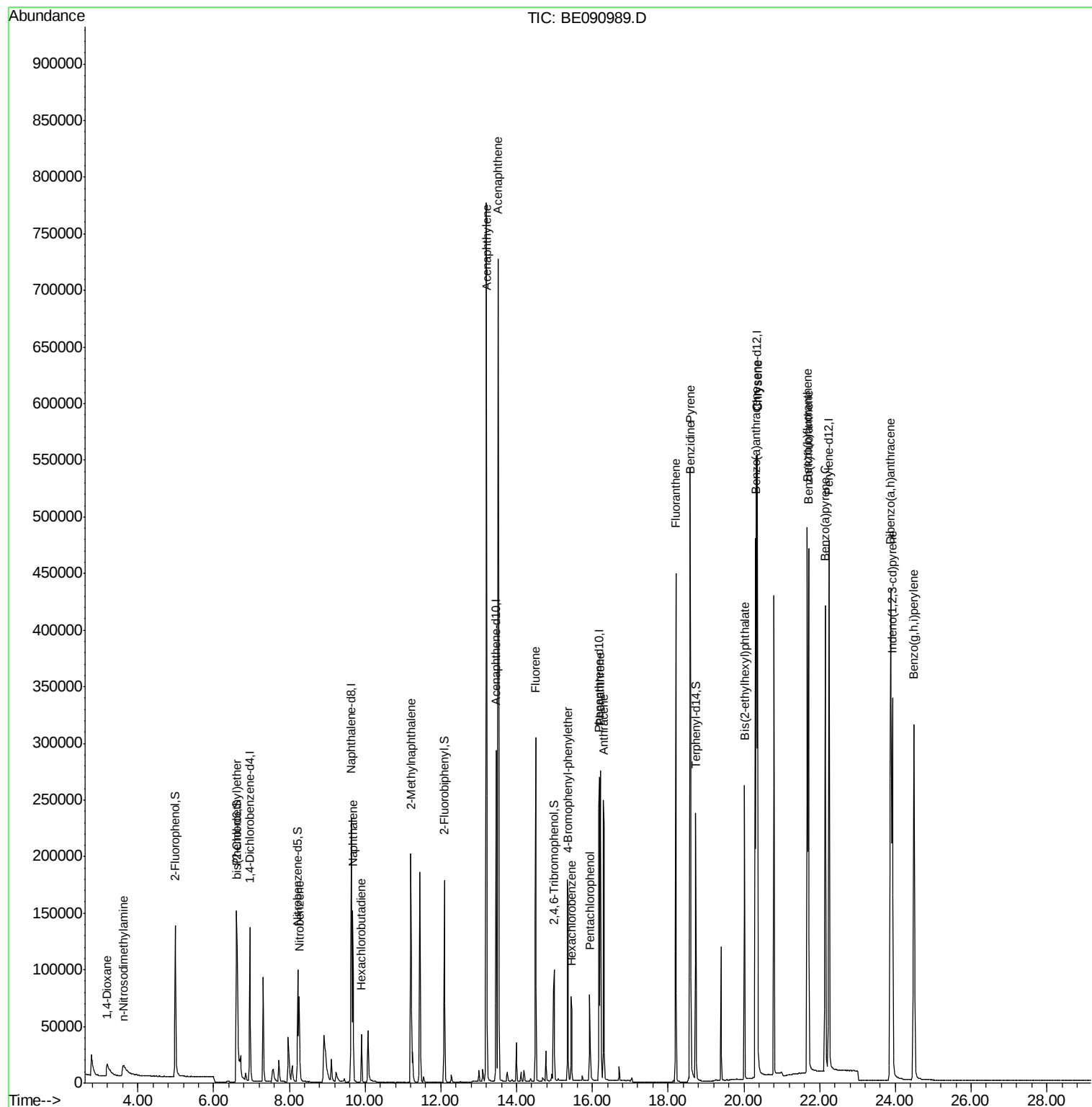
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.18	88	25800	3.24	ng	91
3) n-Nitrosodimethylamine	3.61	42	31620	3.35	ng	# 90
6) bis(2-Chloroethyl)ether	6.62	93	121305	7.36	ng	# 28
9) Nitrobenzene	8.26	77	89997	4.32	ng	99
10) Naphthalene	9.68	128	210545	3.91	ng	98
11) Hexachlorobutadiene	9.91	225	30378	3.54	ng	98
12) 2-Methylnaphthalene	11.21	142	145328	4.10	ng	98
16) Acenaphthylene	13.20	152	963776	3.77	ng	100
17) Acenaphthene	13.52	154	147929	3.62	ng	90
18) Fluorene	14.50	166	190588	3.78	ng	99
20) 4-Bromophenyl-phenylether	15.36	248	52186	3.97	ng	91
21) Hexachlorobenzene	15.45	284	57447	0.88	ng	99
22) Pentachlorophenol	15.93	266	42492	7.59	ng	90
23) Phenanthrene	16.21	178	327250	4.13	ng	100
24) Anthracene	16.29	178	316703	4.19	ng	99
25) Fluoranthene	18.20	202	385351	4.26	ng	100
27) Benzidine	18.57	184	244721	10.34	ng	# 76
28) Pyrene	18.59	202	410739	3.88	ng	99
30) Benzo(a)anthracene	20.31	228	416372	4.07	ng	99
32) Chrysene	20.36	228	412534	3.81	ng	97
33) Bis(2-ethylhexyl)phthalate	20.02	149	222393	4.88	ng	98
34) Indeno(1,2,3-cd)pyrene	23.92	276	481438	4.19	ng	# 92
36) Benzo(b)fluoranthene	21.68	252	446518	4.15	ng	99
37) Benzo(k)fluoranthene	21.71	252	466780	3.57	ng	99
38) Benzo(a)pyrene	22.15	252	442774	4.43	ng	100
39) Dibenzo(a,h)anthracene	23.88	278	481979	4.89	ng	99
40) Benzo(g,h,i)perylene	24.49	276	494984	4.62	ng	99

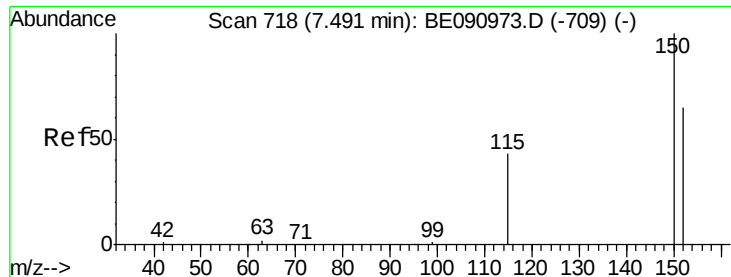
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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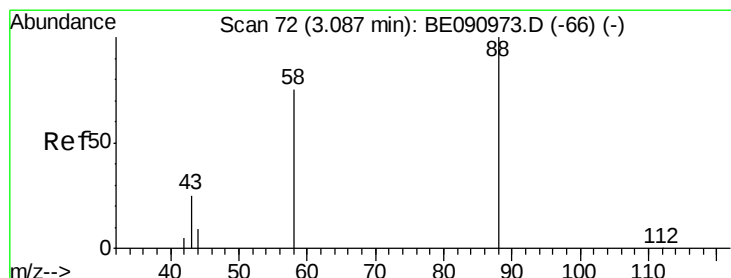
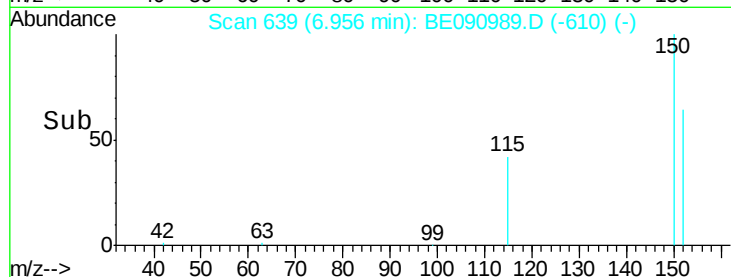
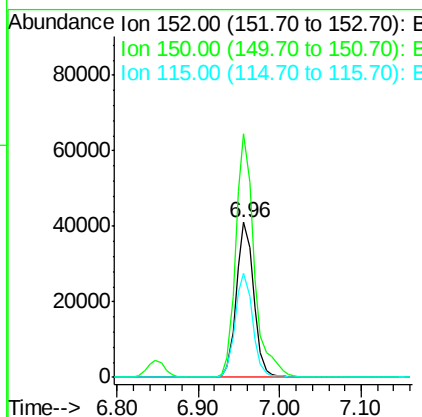
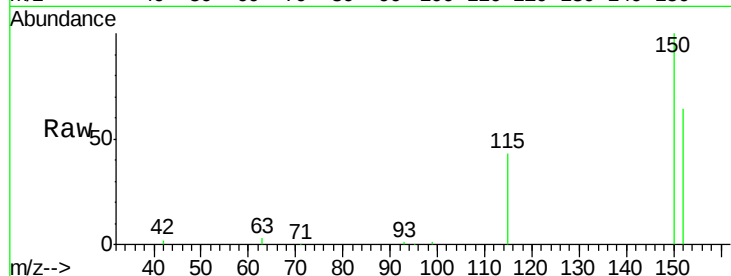




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.96 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BE090989.D
 Acq: 7 Oct 2015 17:00

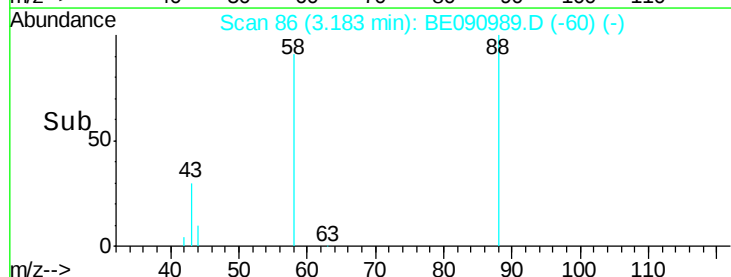
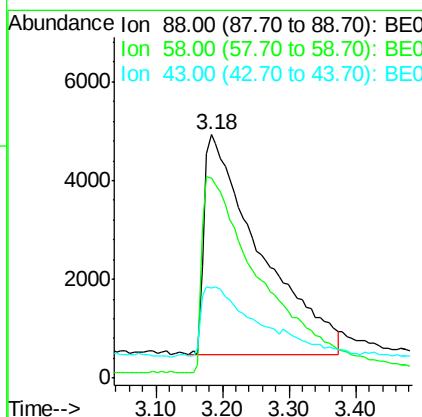
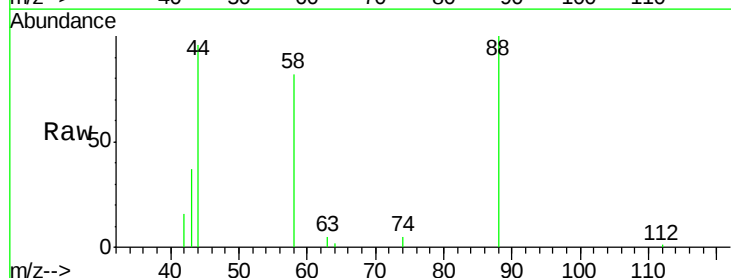
Instrument :
 BNA_E
 ClientSampleId :
 PB85999BS

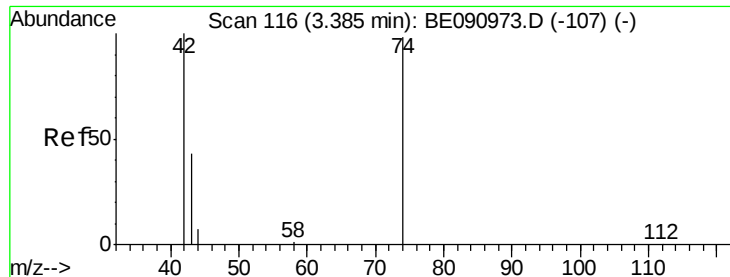
Tot Ion:152 Resp: 60269
 Ion Ratio Lower Upper
 152 100
 150 157.1 122.6 183.8
 115 66.8 52.8 79.2



#2
 1,4-Dioxane
 Concen: 3.24 ng
 RT: 3.18 min Scan# 86
 Delta R.T. -0.02 min
 Lab File: BE090989.D
 Acq: 7 Oct 2015 17:00

Tgt Ion: 88 Resp: 25800
 Ion Ratio Lower Upper
 88 100
 58 92.7 65.8 98.6
 43 33.2 25.3 37.9





#3

n-Nitrosodimethylamine

Concen: 3.35 ng

RT: 3.61 min Scan# 149

Delta R.T. -0.12 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

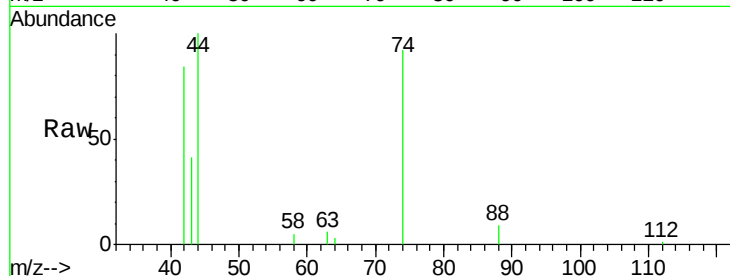
Tot Ion: 42 Resp: 31620

Ion Ratio Lower Upper

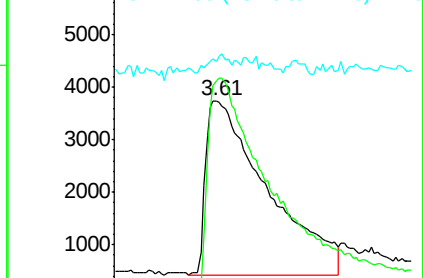
42 100

74 119.8 87.9 131.9

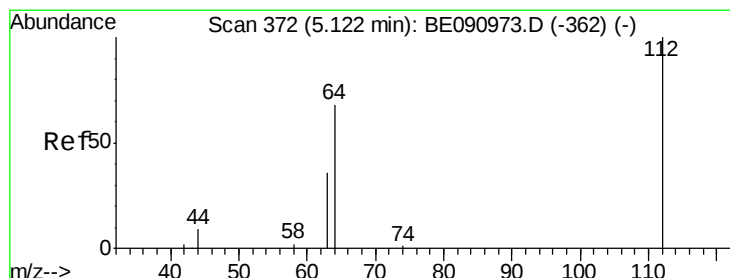
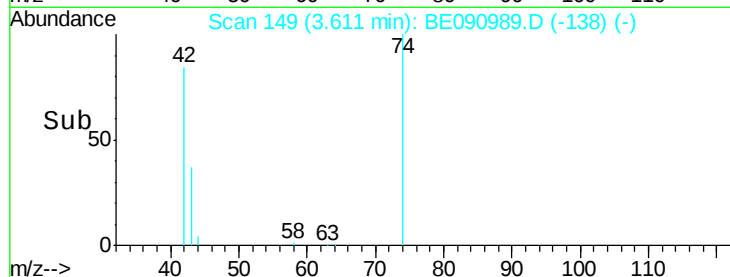
44 3.1 6.6 9.8#



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



Time--> 3.40 3.60 3.80 4.00



#4

2-Fluorophenol

Concen: 8.53 ng

RT: 4.99 min Scan# 352

Delta R.T. -0.01 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

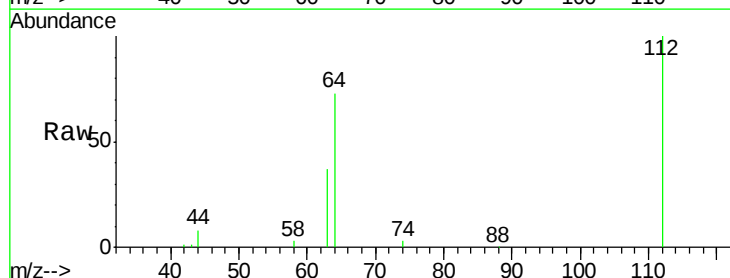
Tgt Ion: 112 Resp: 104283

Ion Ratio Lower Upper

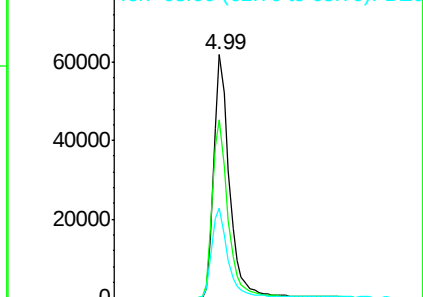
112 100

64 73.7 30.9 46.3#

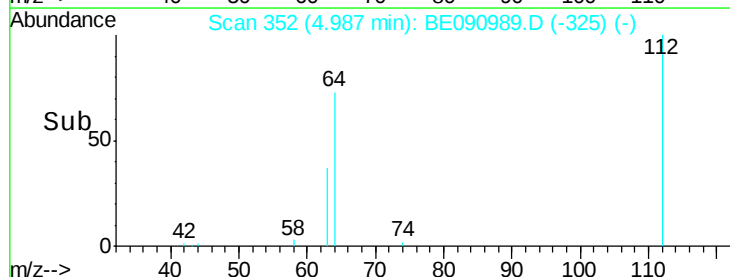
63 36.6 16.7 25.1#

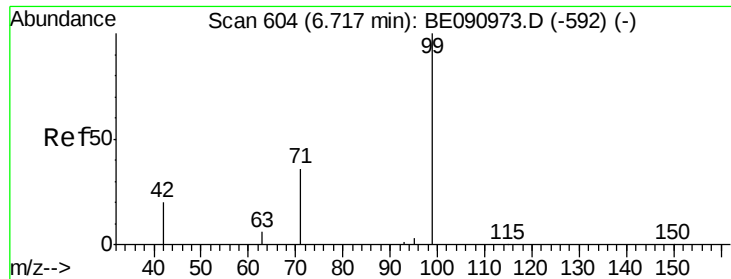


Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time--> 4.90 5.00 5.10 5.20





#5

Phenol-d6

Concen: 8.33 ng

RT: 6.61 min Scan# 588

Delta R.T. -0.01 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

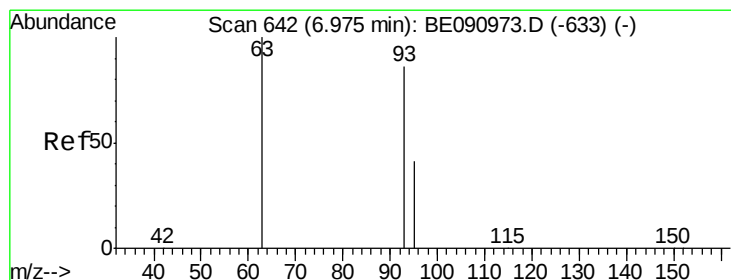
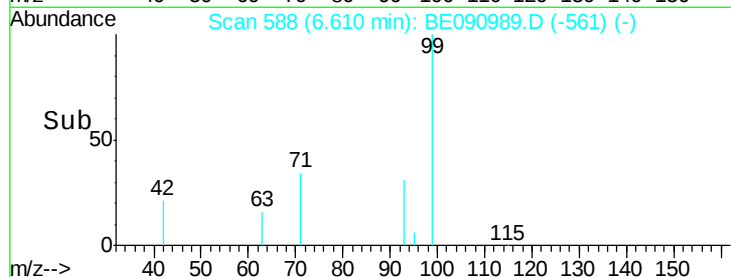
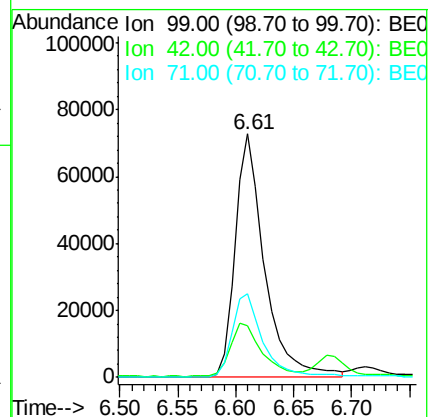
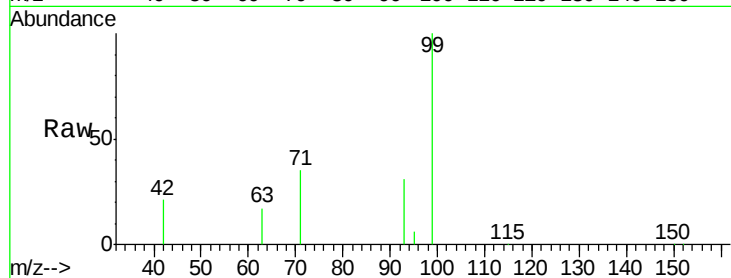
Tot Ion: 99 Resp: 128462

Ion Ratio Lower Upper

99 100

42 23.9 16.2 24.2

71 37.2 29.0 43.4



#6

bis(2-Chloroethyl)ether

Concen: 7.36 ng

RT: 6.62 min Scan# 590

Delta R.T. -0.03 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

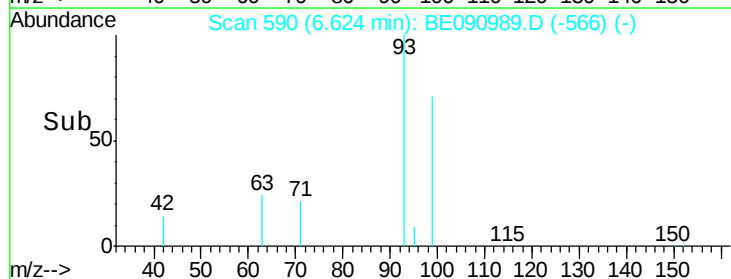
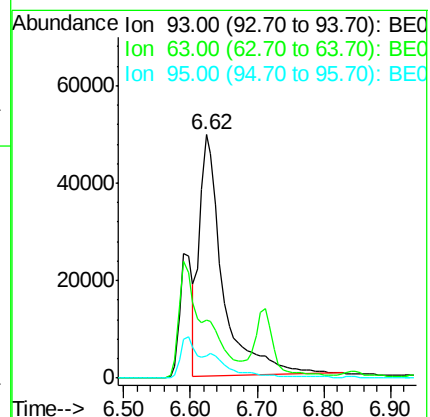
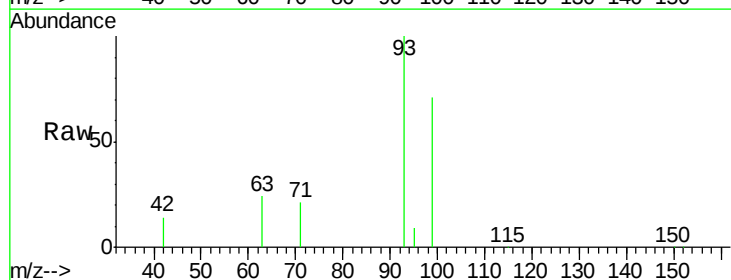
Tgt Ion: 93 Resp: 121305

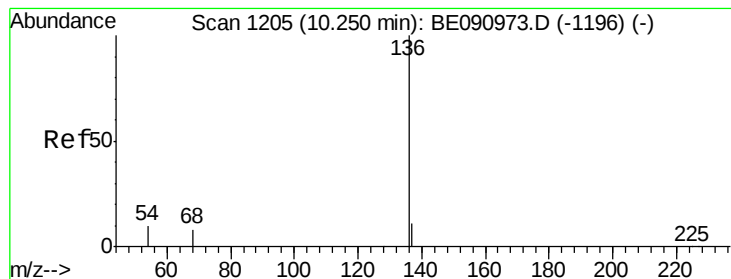
Ion Ratio Lower Upper

93 100

63 0.0 49.5 74.3#

95 0.0 22.2 33.4#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 9.64 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

Tot Ion:136 Resp: 279573

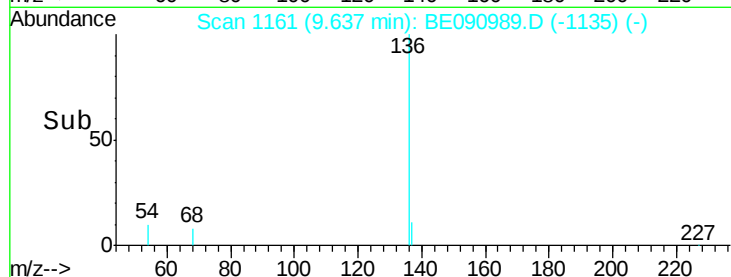
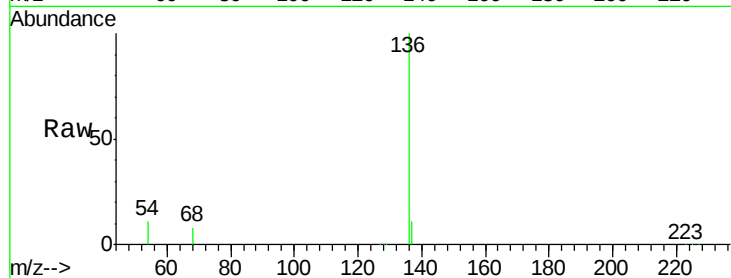
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 11.0 8.2 12.4

68 8.0 6.2 9.4

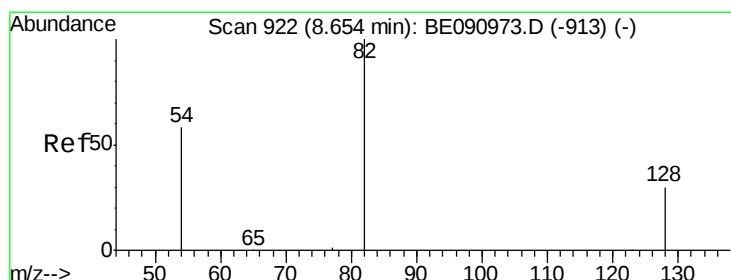
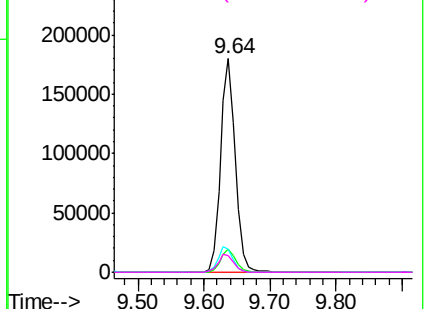


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.58 ng

RT: 8.22 min Scan# 874

Delta R.T. -0.01 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

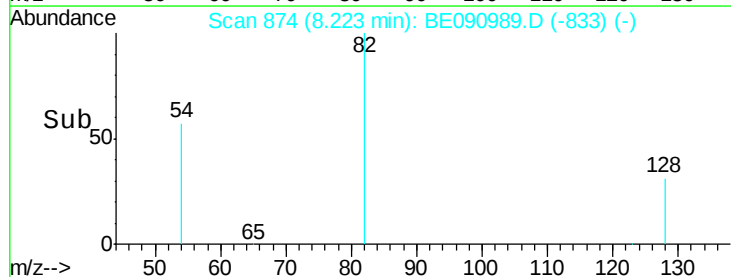
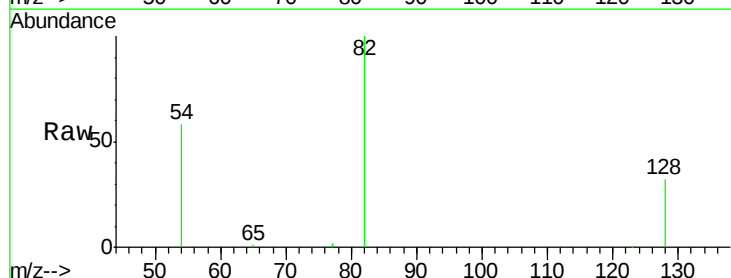
Tgt Ion: 82 Resp: 84267

Ion Ratio Lower Upper

82 100

128 31.5 25.4 38.0

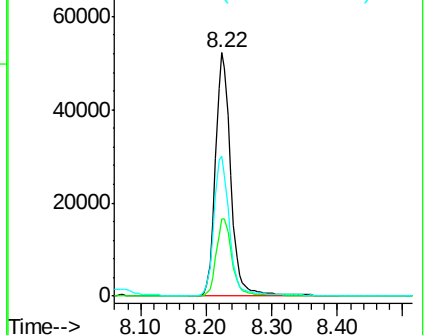
54 57.7 48.4 72.6

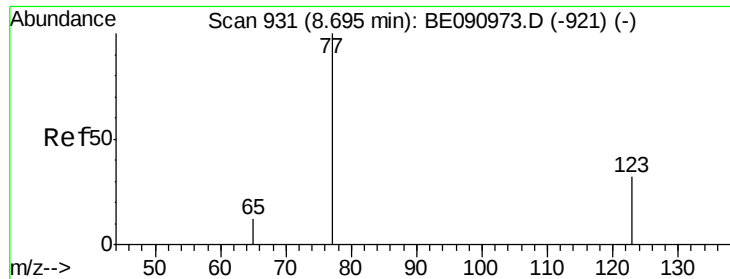


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 4.32 ng

RT: 8.26 min Scan# 883

Delta R.T. -0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

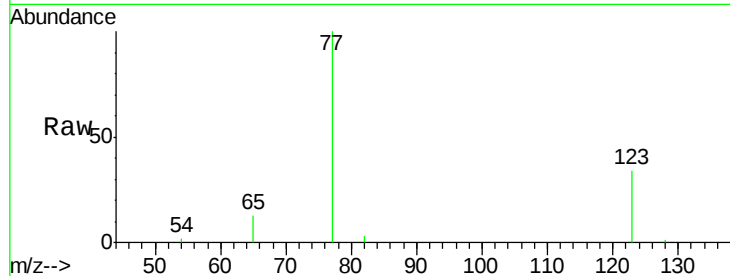
Tot Ion: 77 Resp: 89997

Ion Ratio Lower Upper

77 100

123 33.1 26.9 40.3

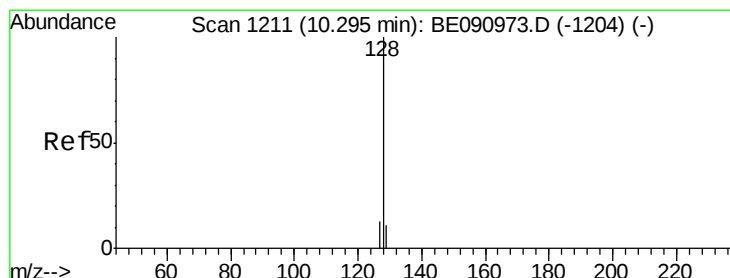
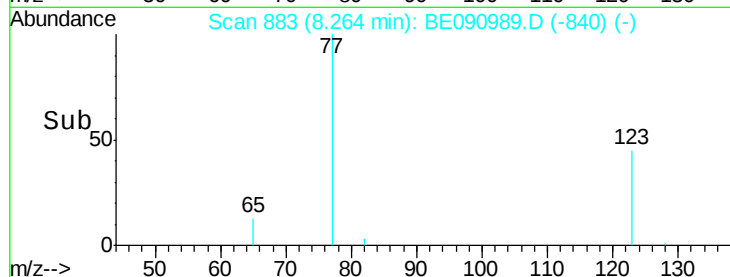
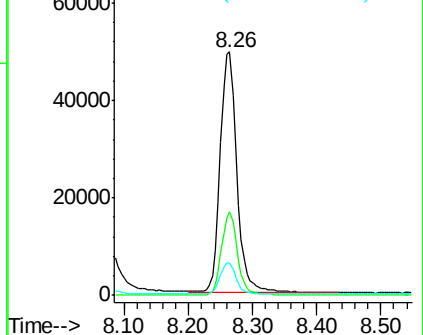
65 12.7 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

Naphthalene

Concen: 3.91 ng

RT: 9.68 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

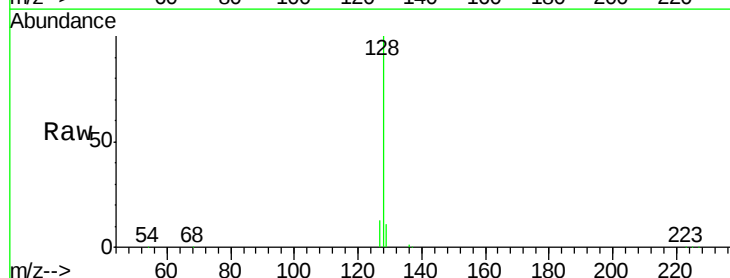
Tgt Ion: 128 Resp: 210545

Ion Ratio Lower Upper

128 100

129 11.1 9.3 13.9

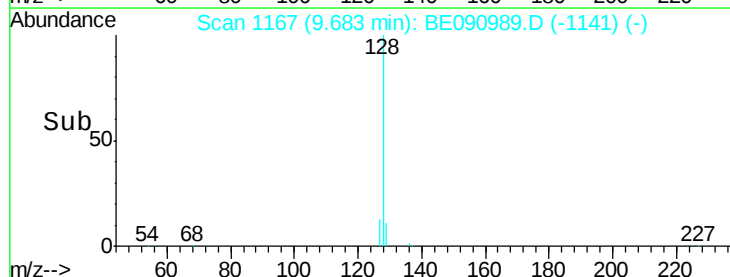
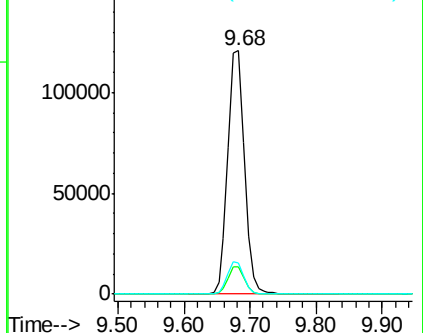
127 12.7 10.7 16.1

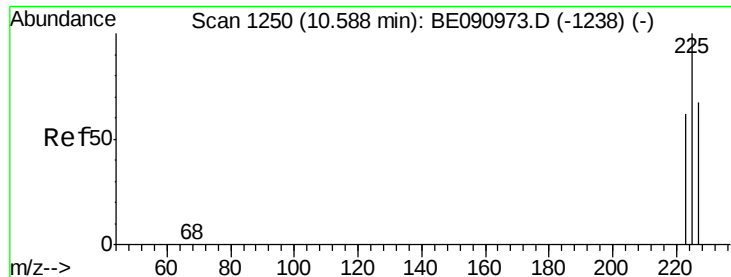


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0

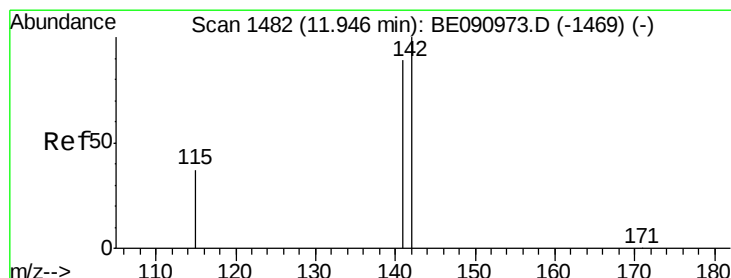
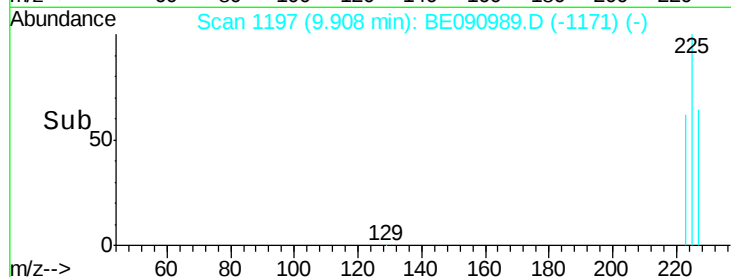
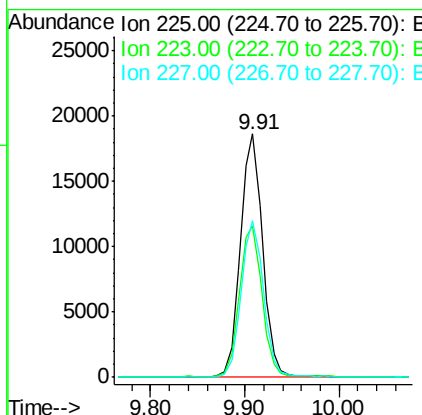
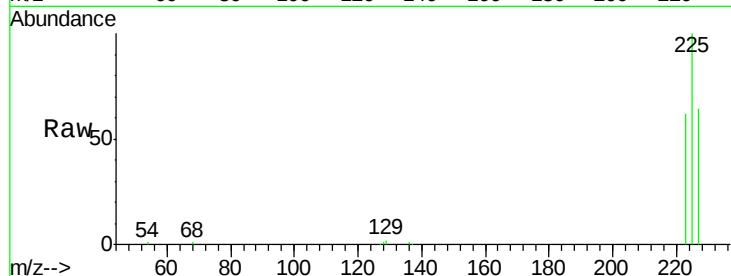




#11
Hexachlorobutadiene
Concen: 3.54 ng
RT: 9.91 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

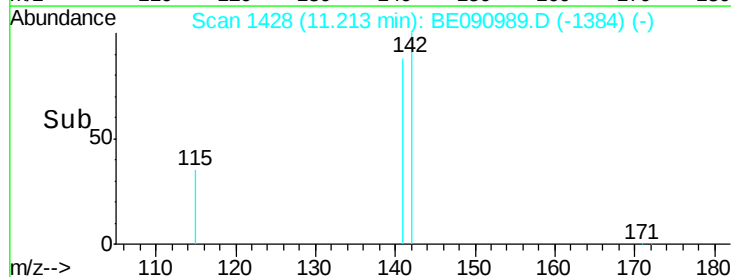
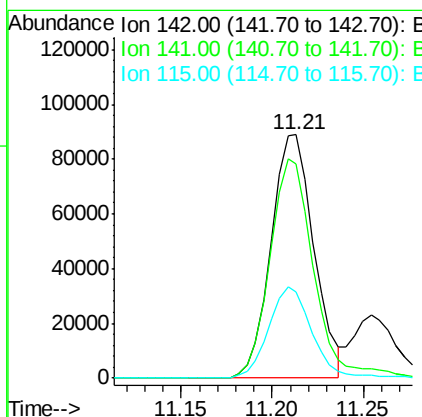
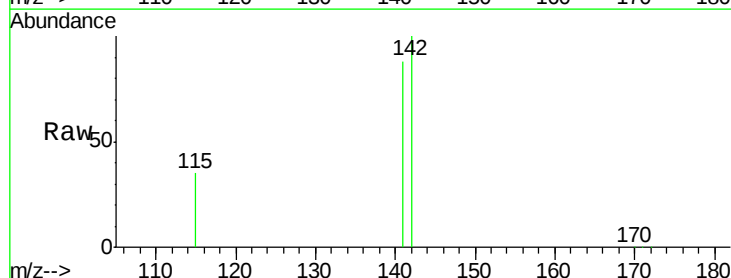
Instrument :
BNA_E
ClientSampleId :
PB85999BS

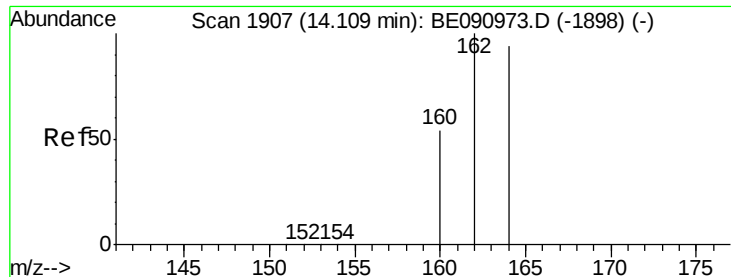
Tot Ion:225 Resp: 30378
Ion Ratio Lower Upper
225 100
223 62.8 49.0 73.6
227 64.5 50.3 75.5



#12
2-Methylnaphthalene
Concen: 4.10 ng
RT: 11.21 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:142 Resp: 145328
Ion Ratio Lower Upper
142 100
141 88.0 71.4 107.0
115 35.2 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: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampled :

PB85999BS

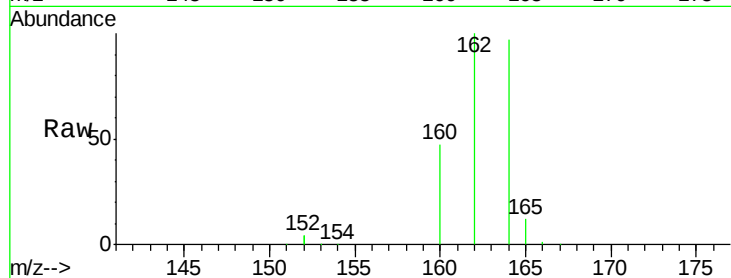
Tot Ion:164 Resp: 152969

Ion Ratio Lower Upper

164 100

162 103.0 85.3 127.9

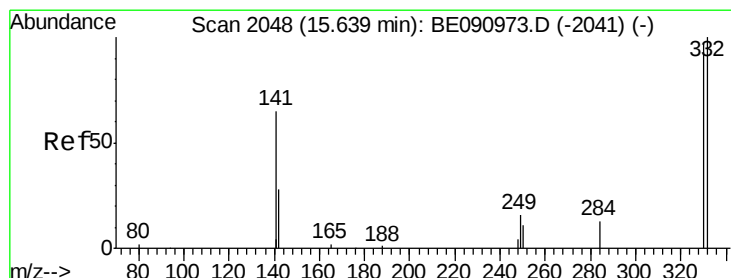
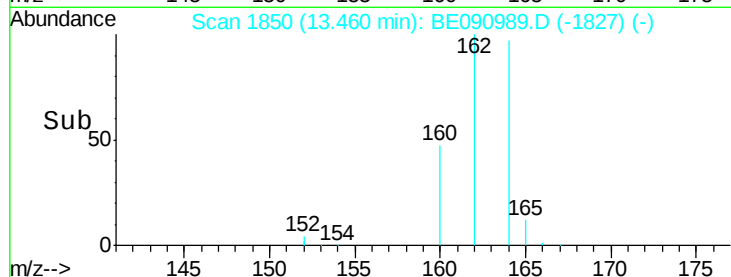
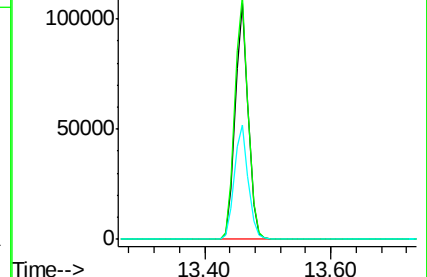
160 48.4 46.2 69.2



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: 8.27 ng

RT: 14.99 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

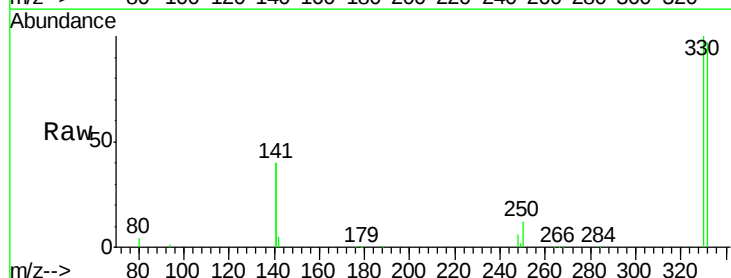
Tgt Ion:330 Resp: 43849

Ion Ratio Lower Upper

330 100

332 96.5 79.1 118.7

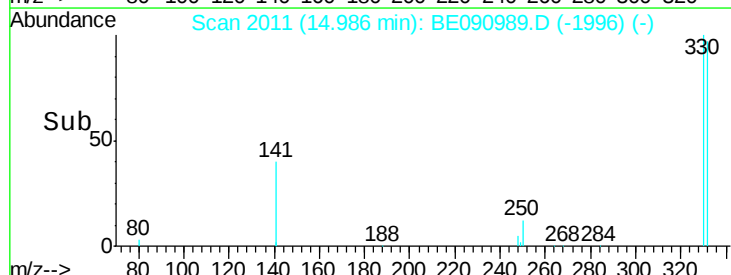
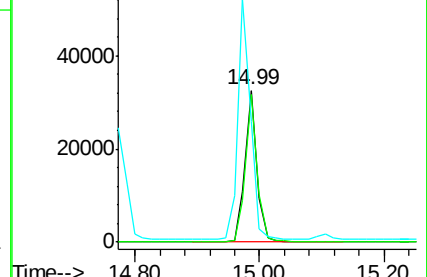
141 164.5 125.4 188.0

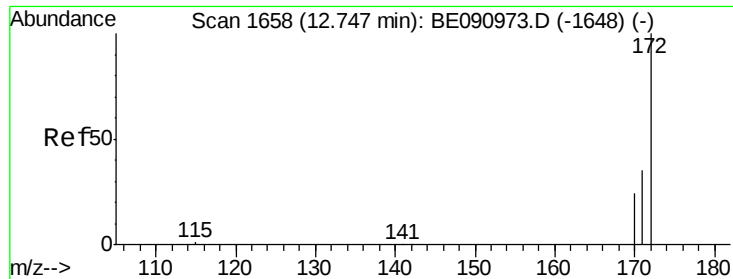


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

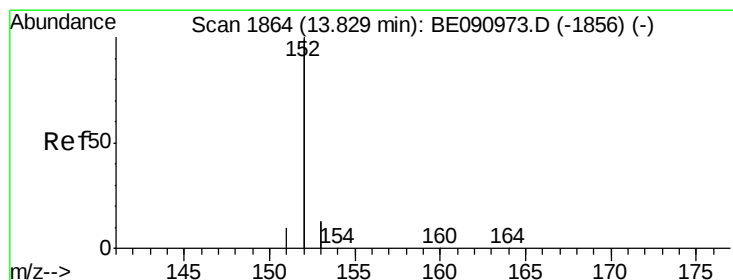
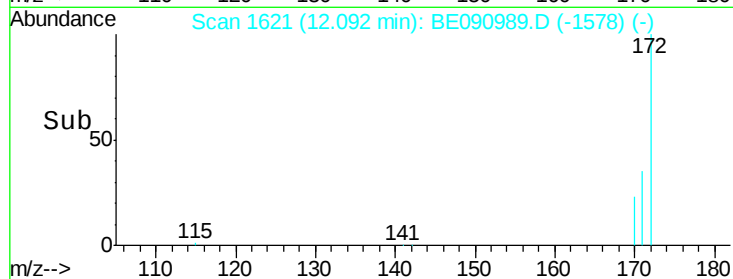
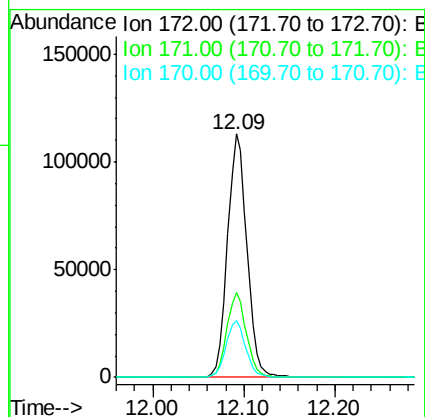
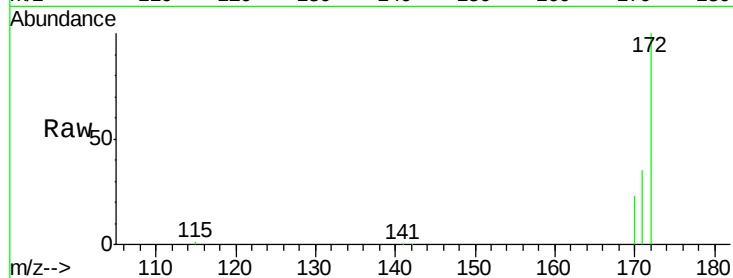




#15
2-Fluorobiphenyl
Concen: 4.02 ng
RT: 12.09 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

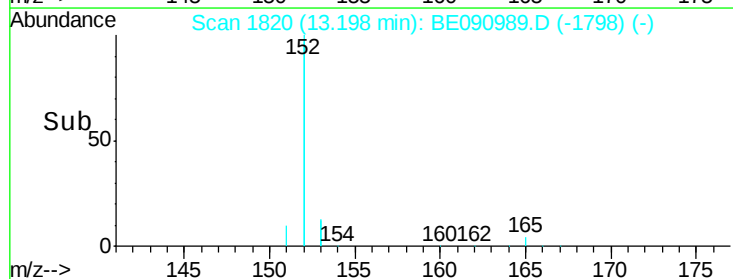
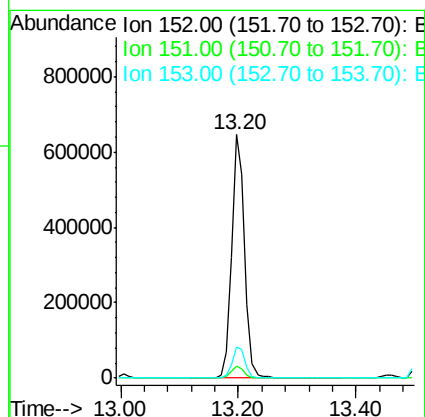
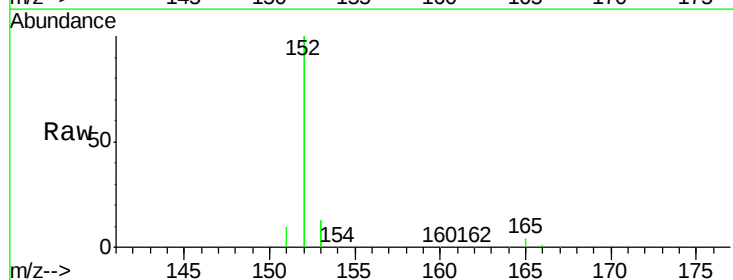
Instrument :
BNA_E
ClientSampleId :
PB85999BS

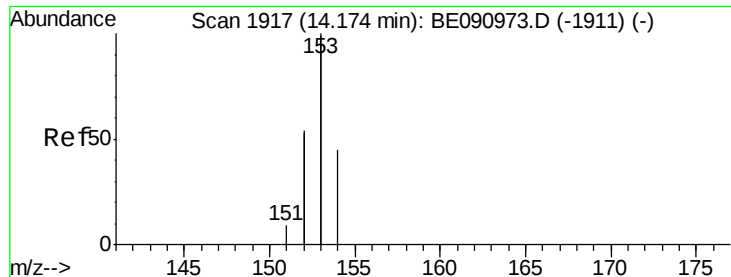
Tot Ion:172 Resp: 166518
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.2 19.3 28.9



#16
Acenaphthylene
Concen: 3.77 ng
RT: 13.20 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:152 Resp: 963776
Ion Ratio Lower Upper
152 100
151 4.8 3.9 5.9
153 13.0 10.3 15.5





#17

Acenaphthene

Concen: 3.62 ng

RT: 13.52 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

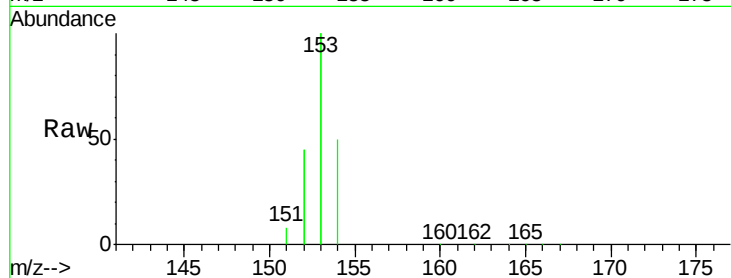
Tot Ion:154 Resp: 147929

Ion Ratio Lower Upper

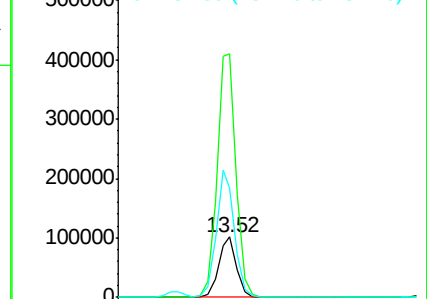
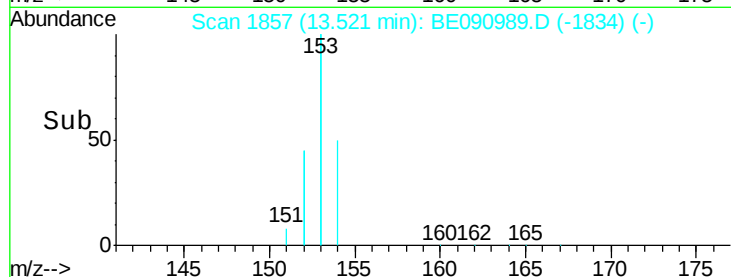
154 100

153 431.8 352.0 528.0

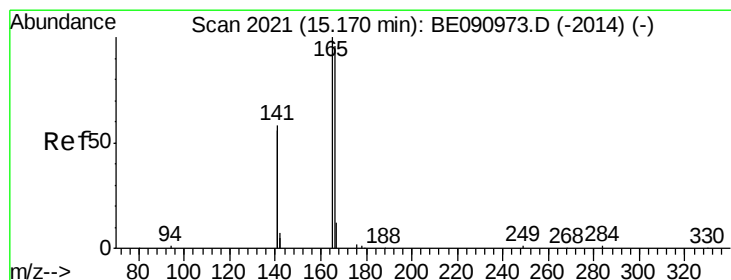
152 214.1 200.0 300.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time--> 13.40 13.50 13.60 13.70



#18

Fluorene

Concen: 3.78 ng

RT: 14.50 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

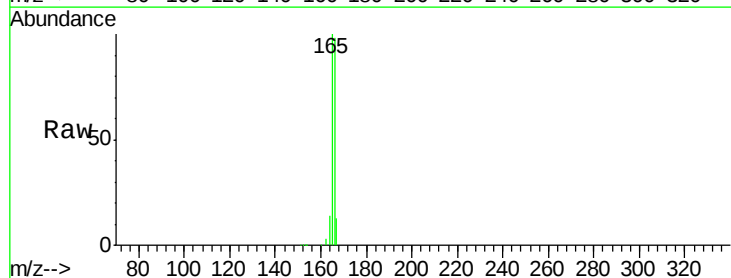
Tgt Ion:166 Resp: 190588

Ion Ratio Lower Upper

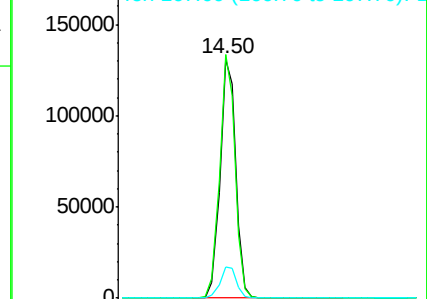
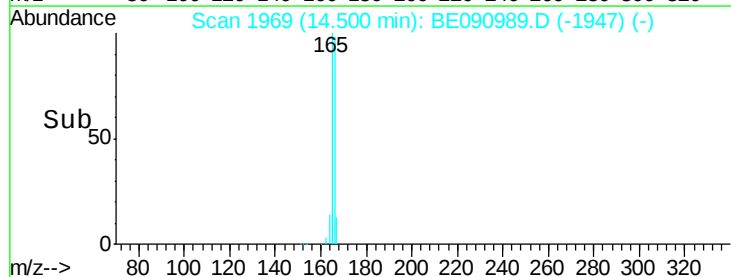
166 100

165 99.6 80.8 121.2

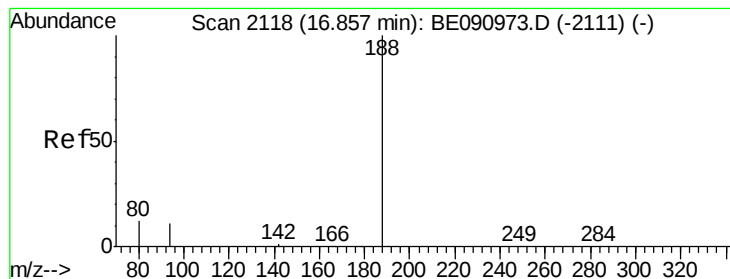
167 13.4 10.9 16.3



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



Time--> 14.40 14.50 14.60 14.70



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.19 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

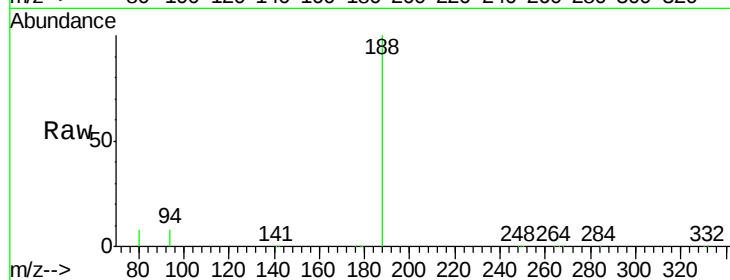
Tot Ion:188 Resp: 348019

Ion Ratio Lower Upper

188 100

94 8.2 8.7 13.1#

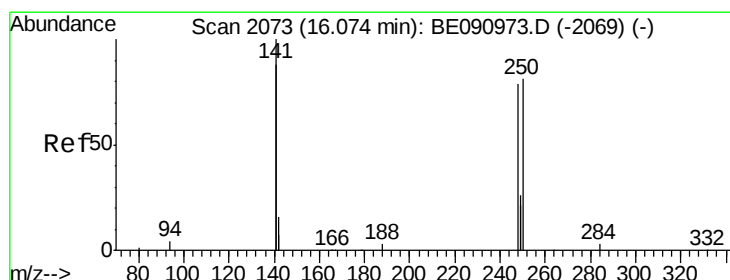
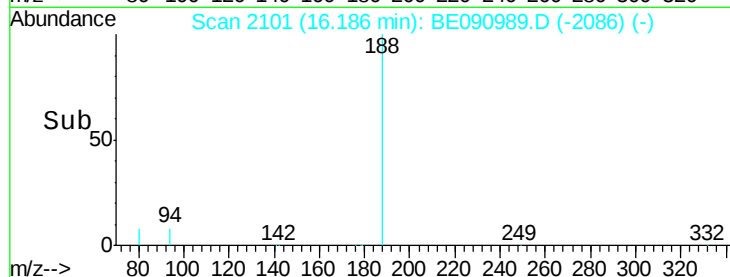
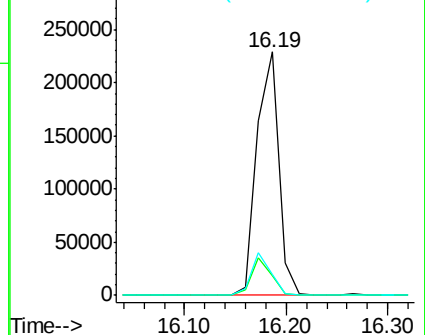
80 8.3 9.4 14.0#



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



#20

4-Bromophenyl-phenylether

Concen: 3.97 ng

RT: 15.36 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

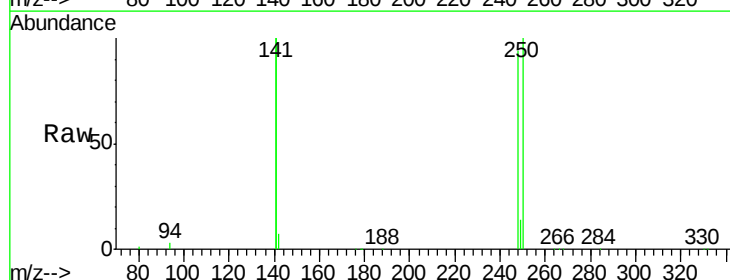
Tgt Ion:248 Resp: 52186

Ion Ratio Lower Upper

248 100

250 97.3 80.5 120.7

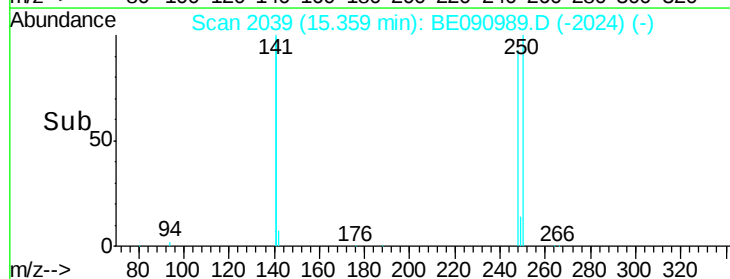
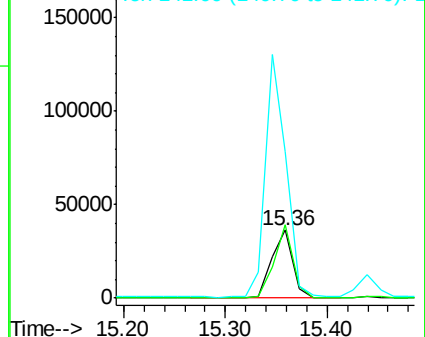
141 349.2 261.9 392.9

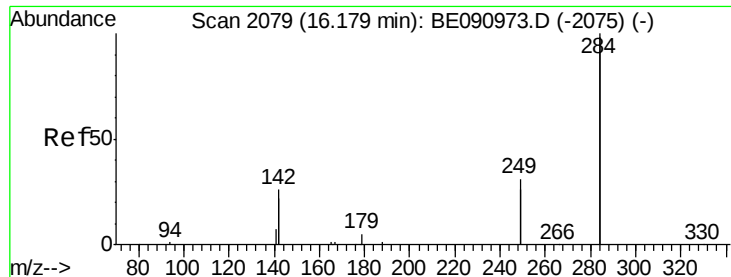


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.88 ng

RT: 15.45 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

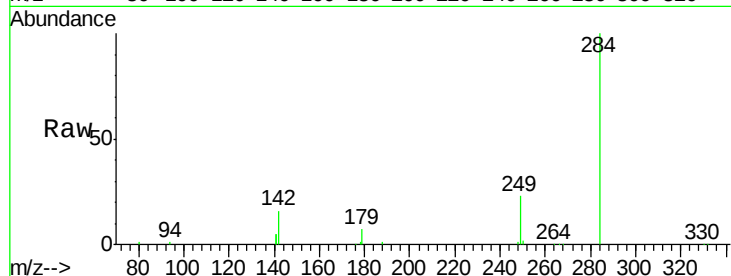
Tot Ion:284 Resp: 57447

Ion Ratio Lower Upper

284 100

142 39.8 32.2 48.2

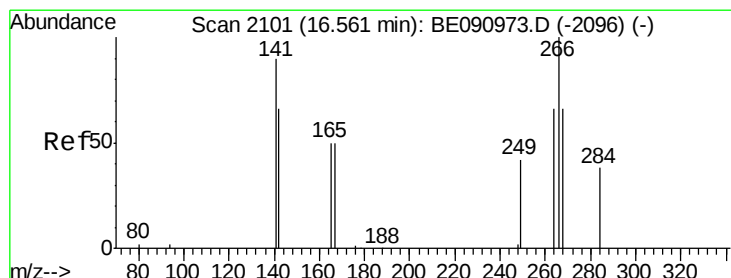
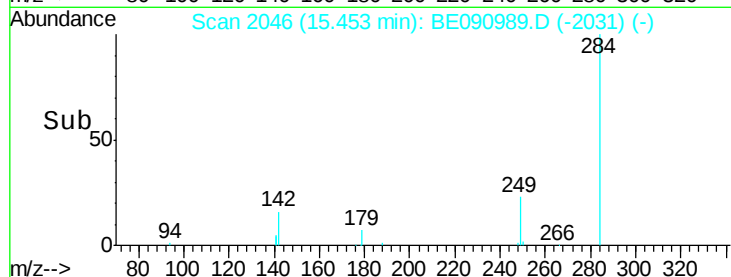
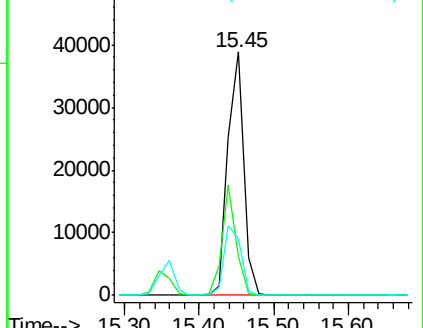
249 30.6 25.4 38.2



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: 7.59 ng

RT: 15.93 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

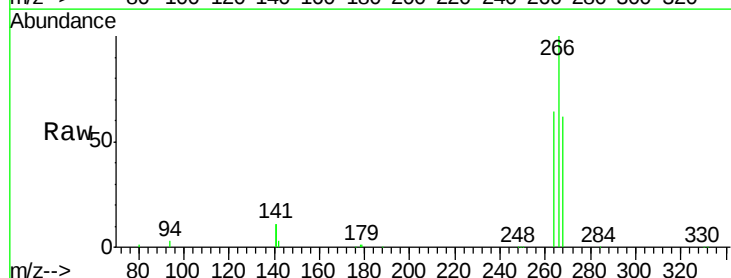
Tgt Ion:266 Resp: 42492

Ion Ratio Lower Upper

266 100

268 62.5 58.2 87.2

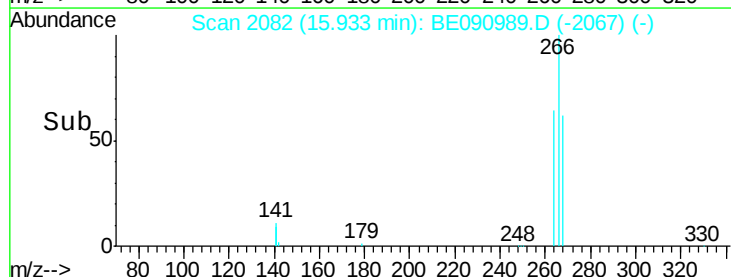
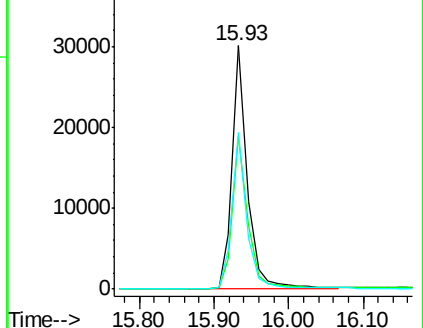
264 64.2 56.2 84.4

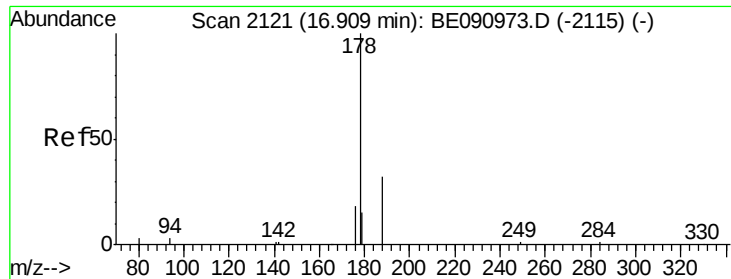


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

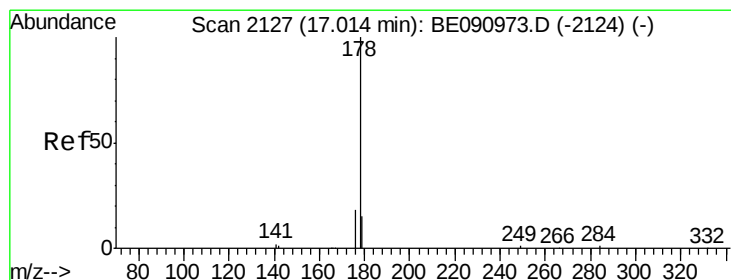
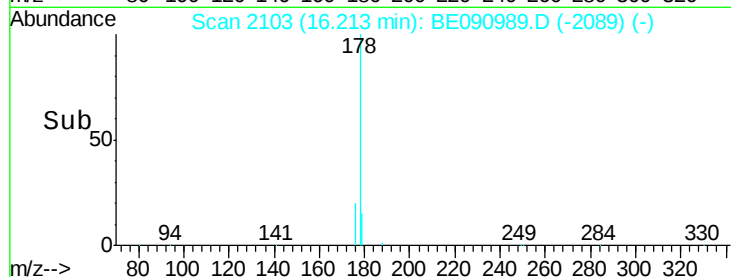
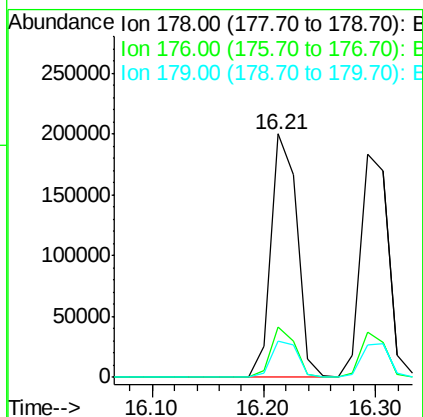
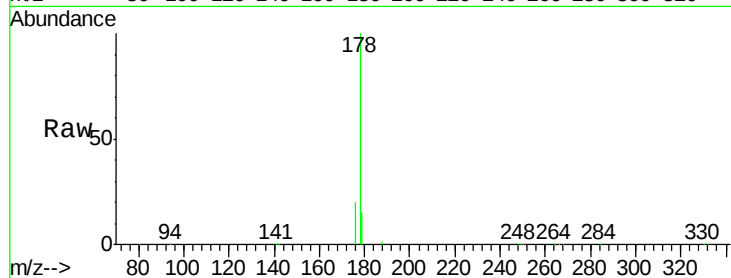




#23
Phenanthrene
Concen: 4.13 ng
RT: 16.21 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

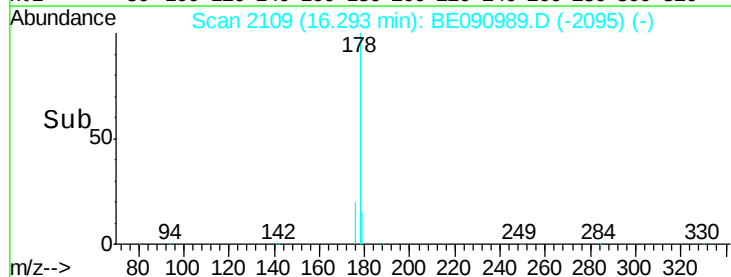
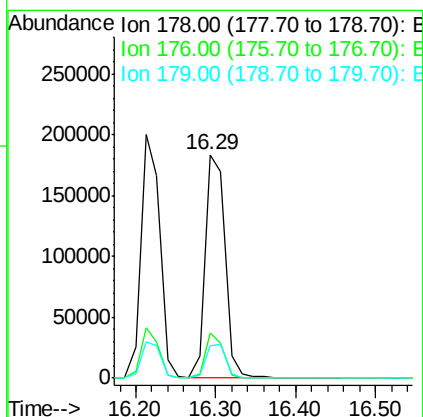
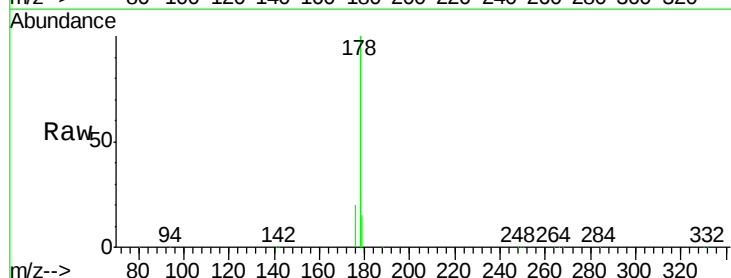
Instrument :
BNA_E
ClientSampleId :
PB85999BS

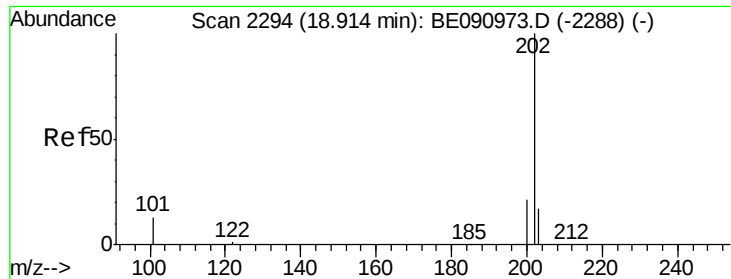
Tot Ion:178 Resp: 327250
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.5 12.6 18.8



#24
Anthracene
Concen: 4.19 ng
RT: 16.29 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:178 Resp: 316703
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.3 11.8 17.6

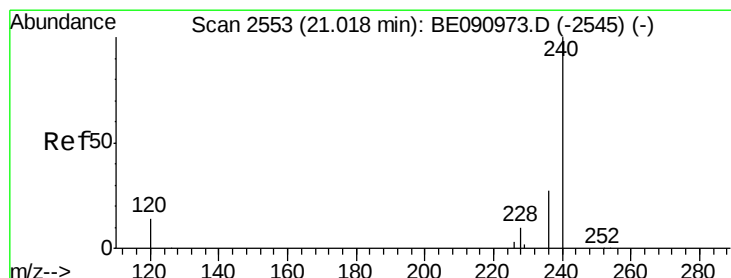
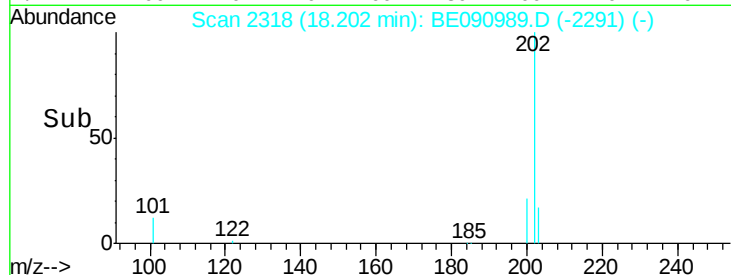
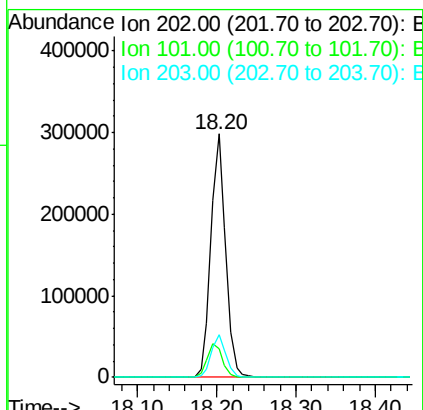
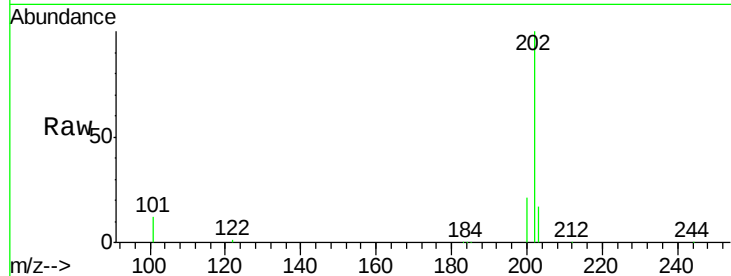




#25
 Fluoranthene
 Concen: 4.26 ng
 RT: 18.20 min Scan# 2318
 Delta R.T. 0.00 min
 Lab File: BE090989.D
 Acq: 7 Oct 2015 17:00

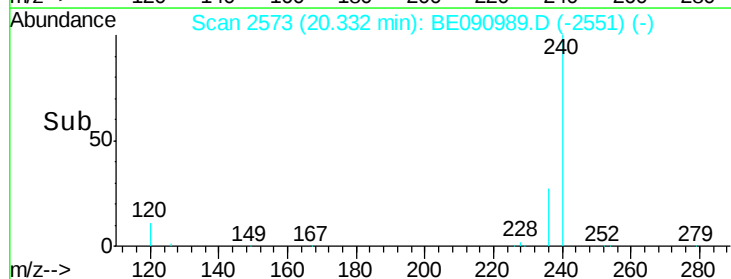
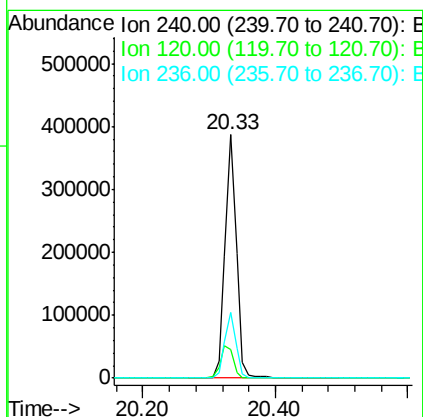
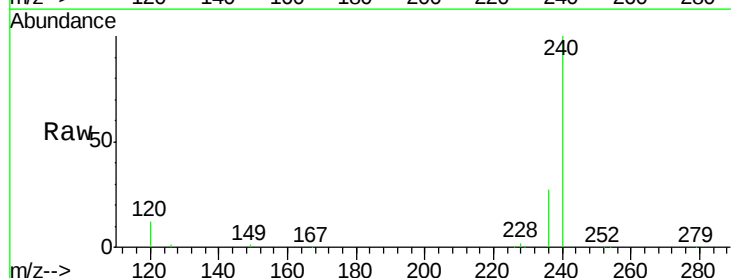
Instrument :
 BNA_E
 ClientSampleId :
 PB85999BS

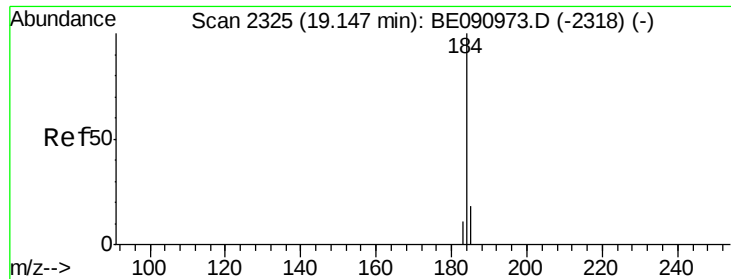
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.0	16.6
203	17.4	13.9	20.9



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.33 min Scan# 2573
 Delta R.T. 0.00 min
 Lab File: BE090989.D
 Acq: 7 Oct 2015 17:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	11.0	16.4
236	27.2	21.7	32.5





#27

Benzidine

Concen: 10.34 ng

RT: 18.57 min Scan# 2367

Delta R.T. -0.02 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

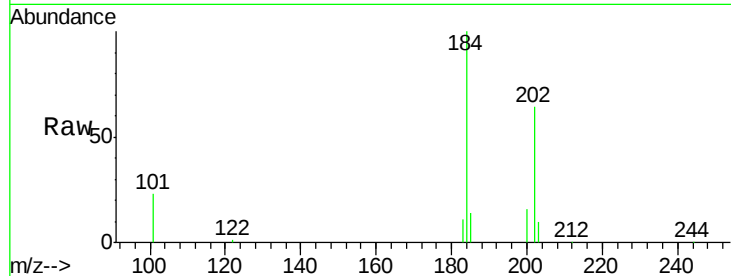
Tot Ion:184 Resp: 244721

Ion Ratio Lower Upper

184 100

185 14.1 22.3 33.5#

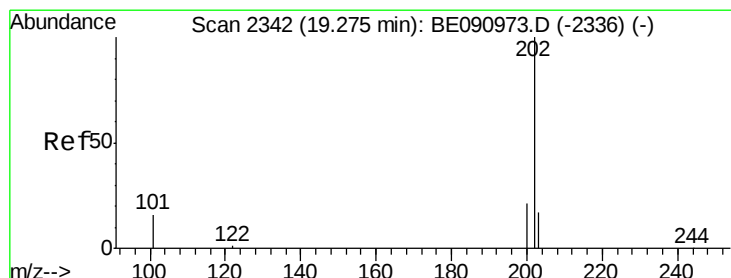
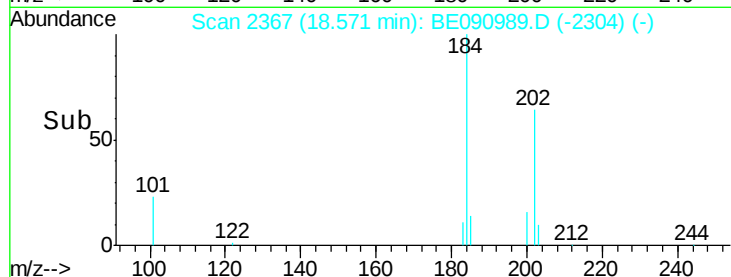
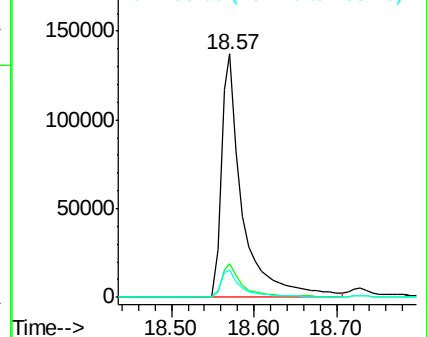
183 11.2 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 3.88 ng

RT: 18.59 min Scan# 2369

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

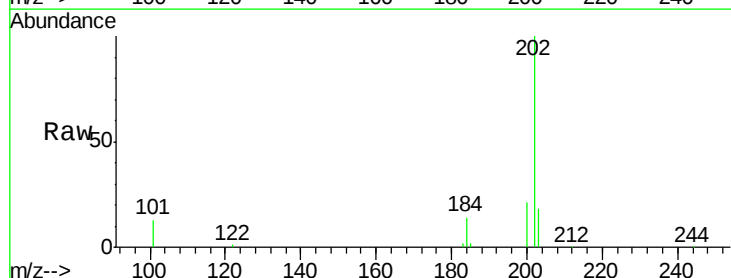
Tgt Ion:202 Resp: 410739

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

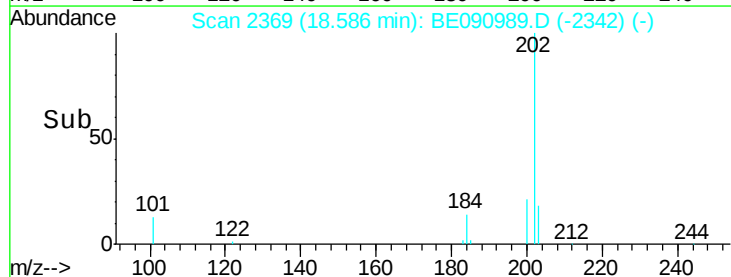
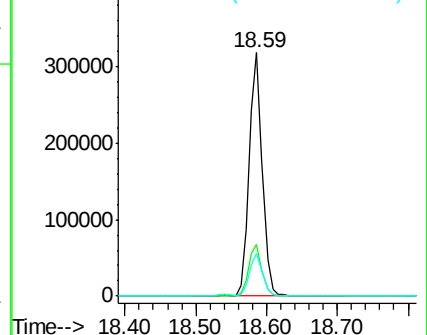
203 17.3 14.0 21.0

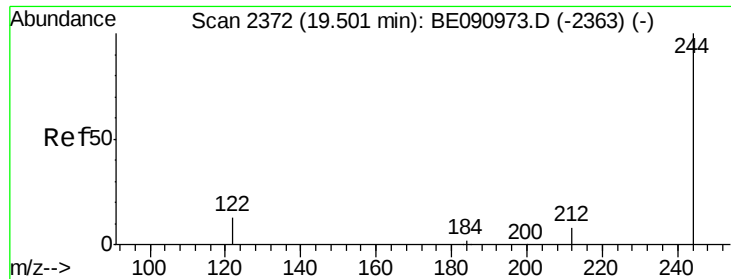


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.31 ng

RT: 18.74 min Scan# 2389

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

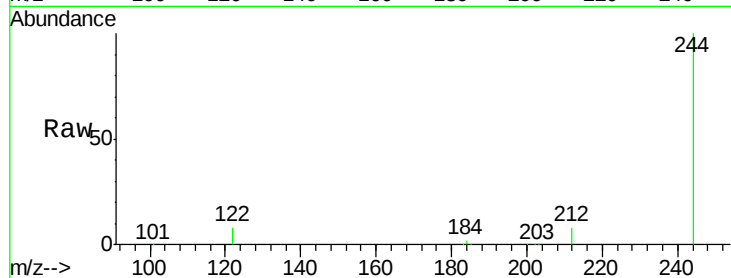
Tot Ion:244 Resp: 244458

Ion Ratio Lower Upper

244 100

212 7.7 6.9 10.3

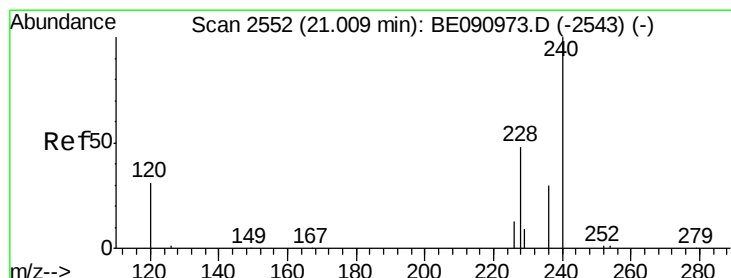
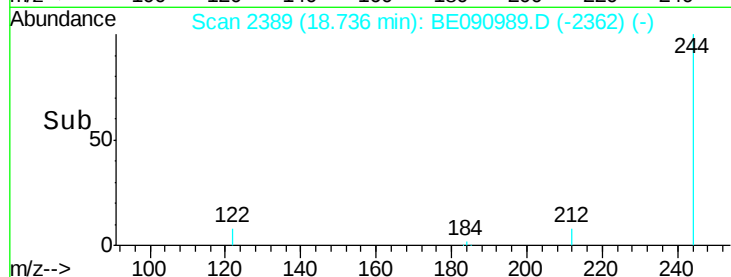
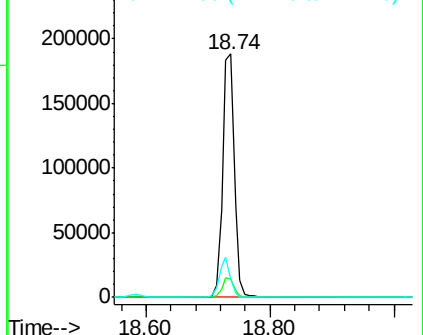
122 7.6 11.0 16.4#



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: 4.07 ng

RT: 20.31 min Scan# 2570

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

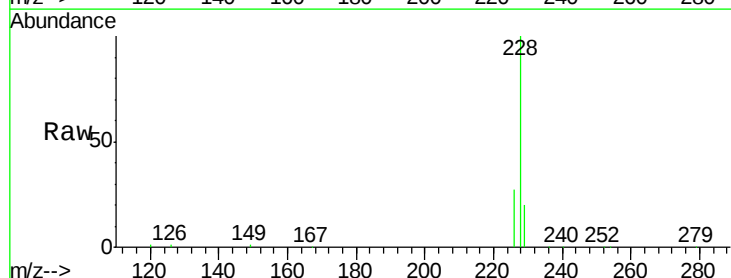
Tgt Ion:228 Resp: 416372

Ion Ratio Lower Upper

228 100

226 26.7 21.0 31.4

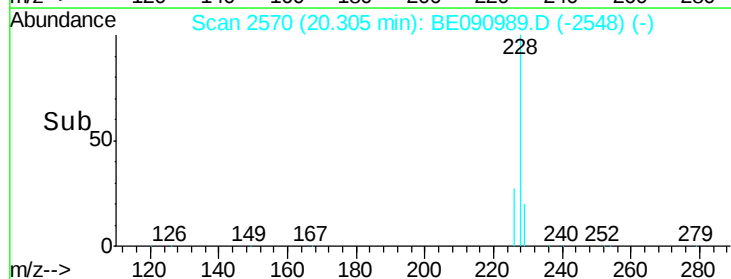
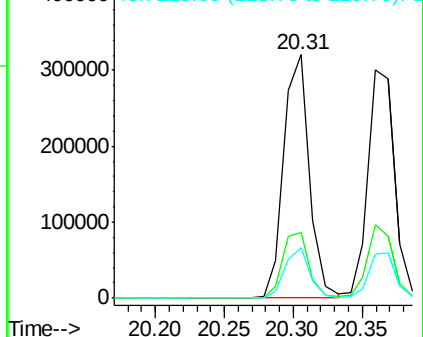
229 20.4 15.7 23.5

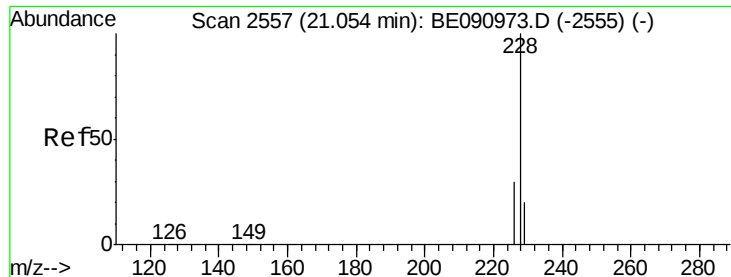


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Chrysene

Concen: 3.81 ng

RT: 20.36 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

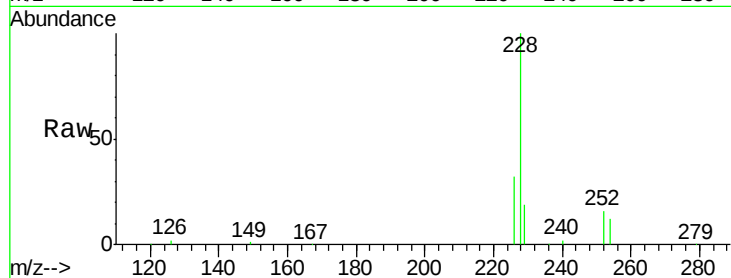
Tot Ion:228 Resp: 412534

Ion Ratio Lower Upper

228 100

226 32.0 24.0 36.0

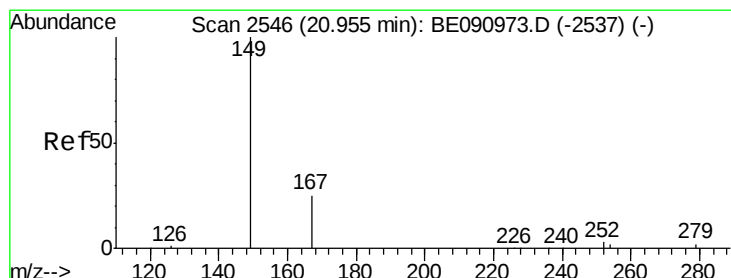
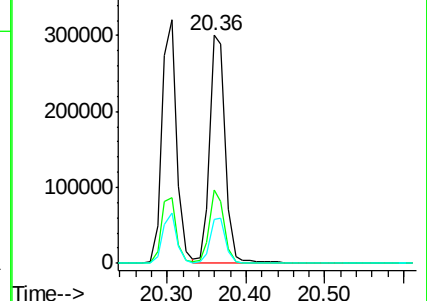
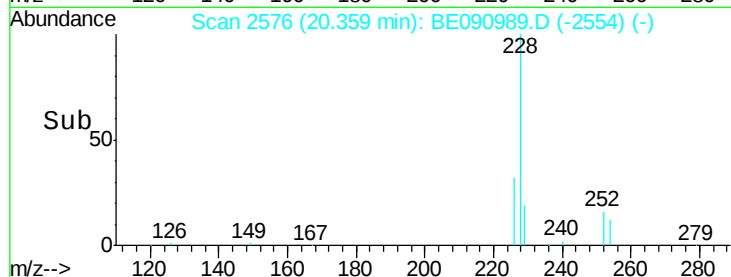
229 19.0 15.9 23.9



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: 4.88 ng

RT: 20.02 min Scan# 2538

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

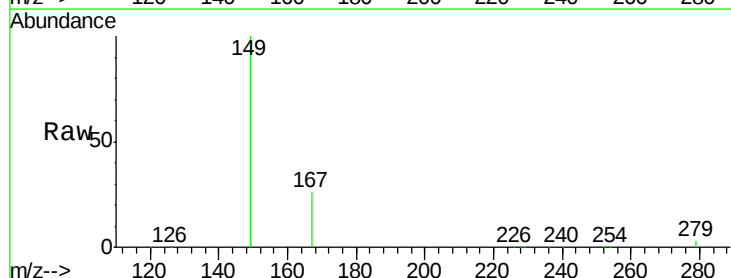
Tgt Ion:149 Resp: 222393

Ion Ratio Lower Upper

149 100

167 25.5 19.5 29.3

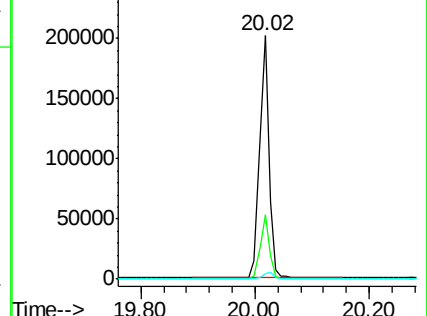
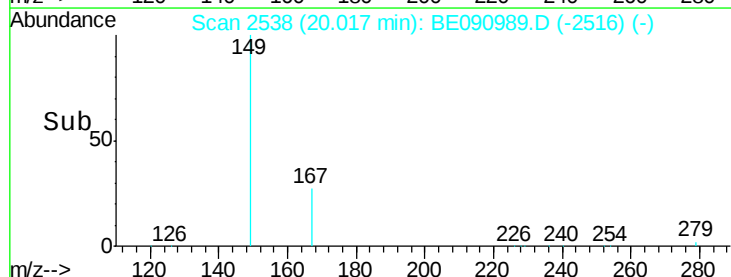
279 3.1 2.3 3.5

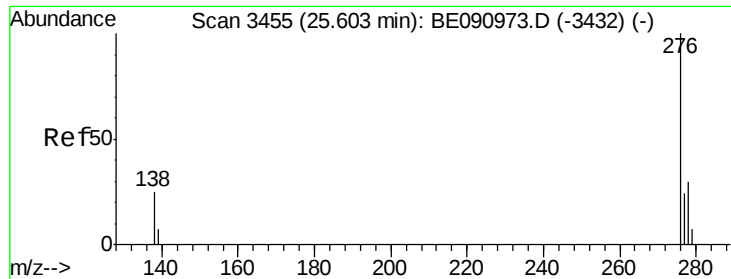


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

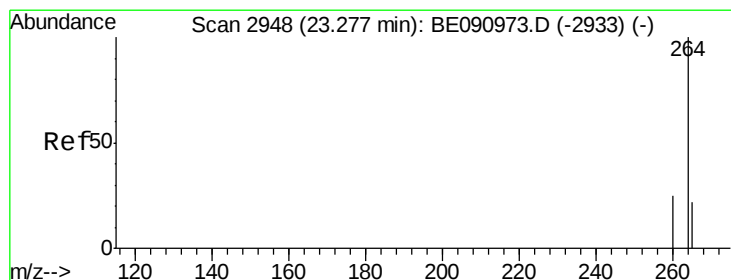
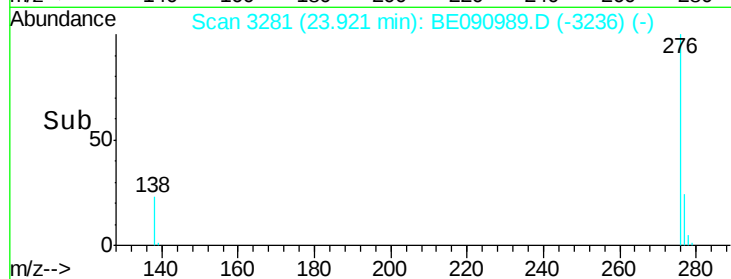
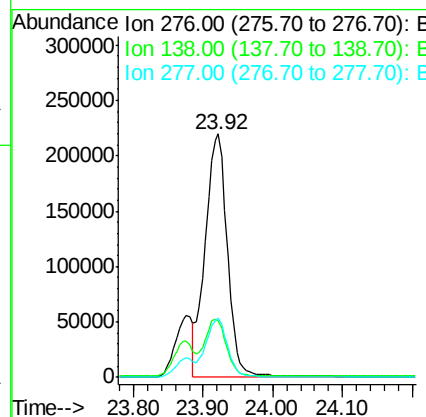
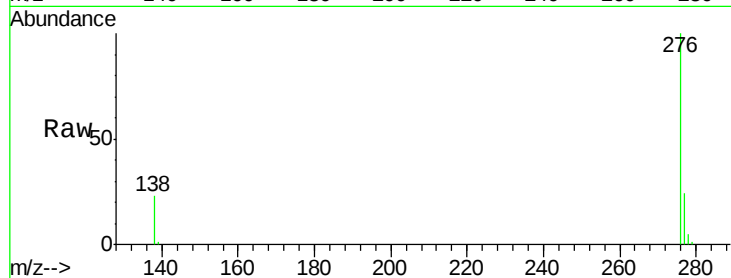




#34
Indeno(1,2,3-cd)pyrene
Concen: 4.19 ng
RT: 23.92 min Scan# 3281
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

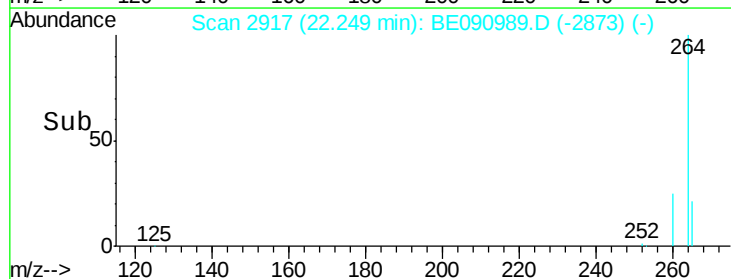
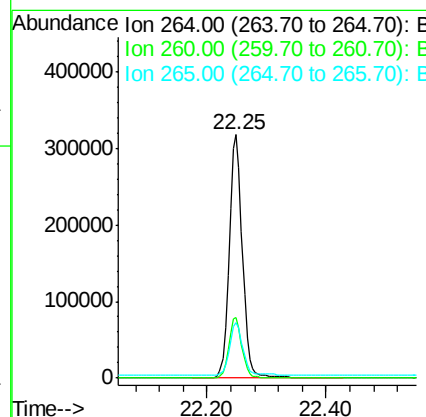
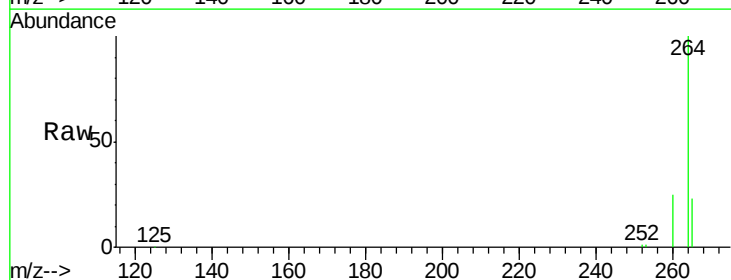
Instrument :
BNA_E
ClientSampleId :
PB85999BS

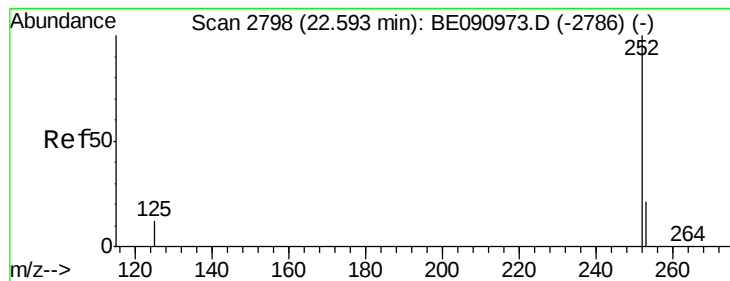
Tot Ion:276 Resp: 481438
Ion Ratio Lower Upper
276 100
138 23.0 23.4 35.2#
277 23.4 19.8 29.8



#35
Perylene-d12
Concen: 5.00 ng
RT: 22.25 min Scan# 2917
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:264 Resp: 488450
Ion Ratio Lower Upper
264 100
260 25.0 20.0 30.0
265 22.7 17.5 26.3





#36

Benzo(b)fluoranthene

Concen: 4.15 ng

RT: 21.68 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

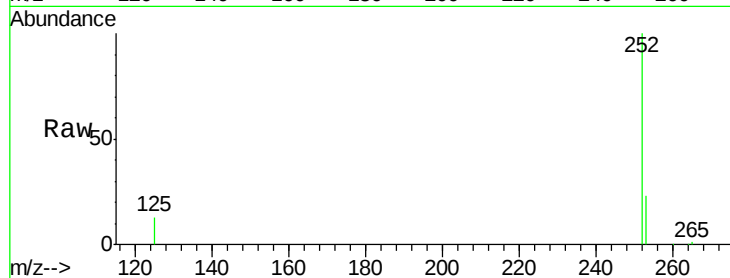
Tot Ion:252 Resp: 446518

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

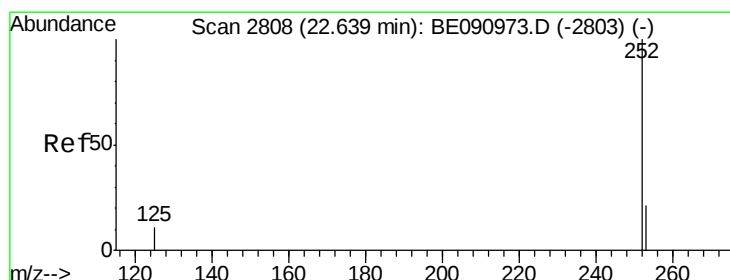
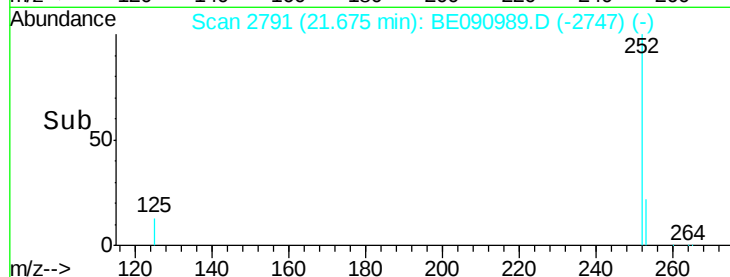
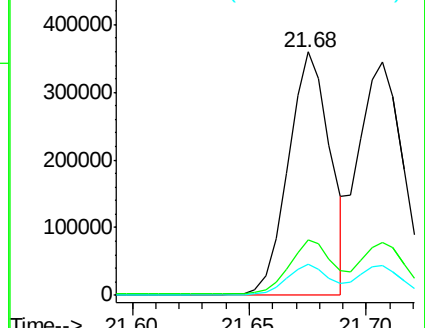
125 12.8 10.2 15.2



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: 3.57 ng

RT: 21.71 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

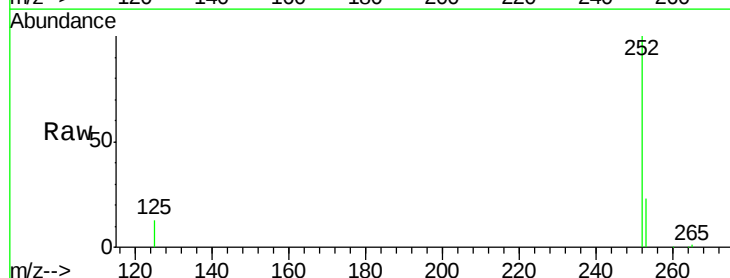
Tgt Ion:252 Resp: 466780

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

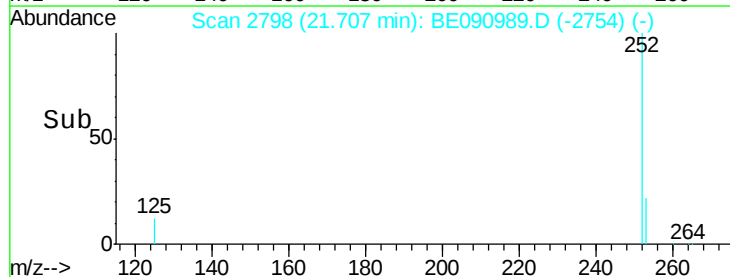
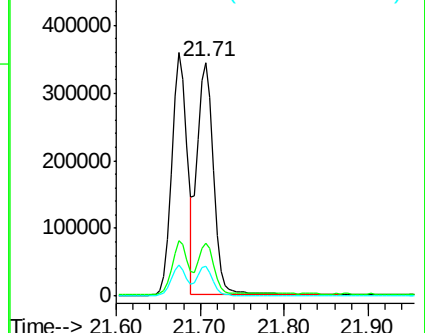
125 12.6 9.9 14.9

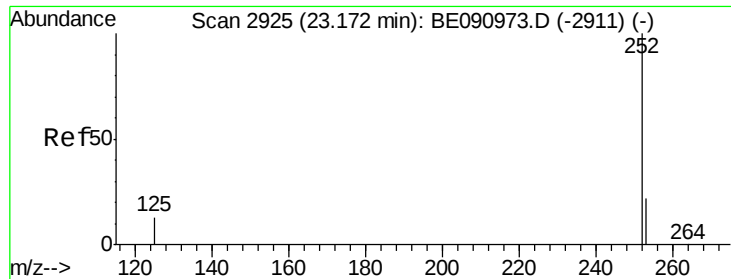


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 4.43 ng

RT: 22.15 min Scan# 2895

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

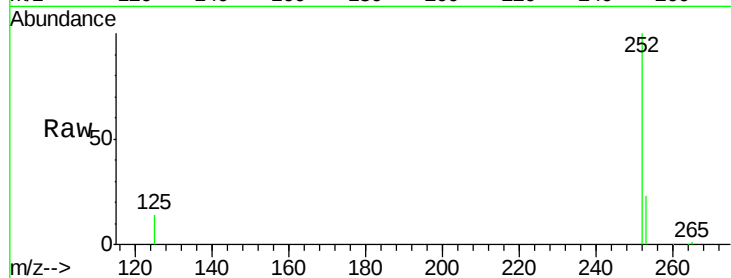
Tot Ion:252 Resp: 442774

Ion Ratio Lower Upper

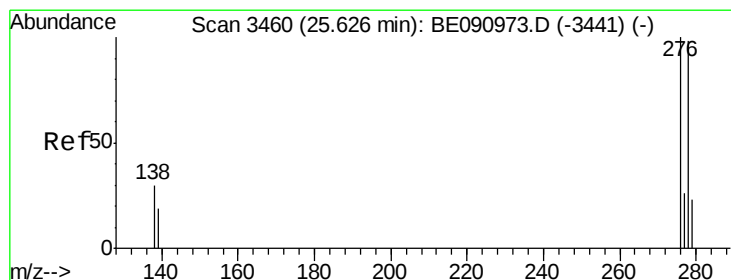
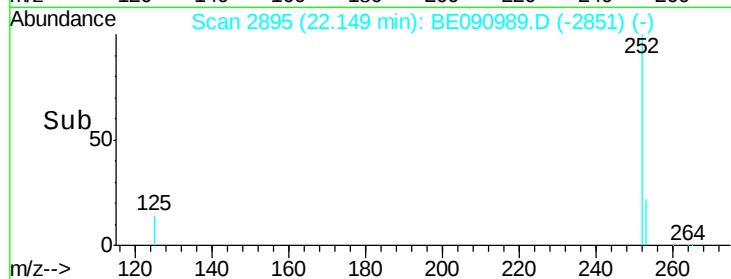
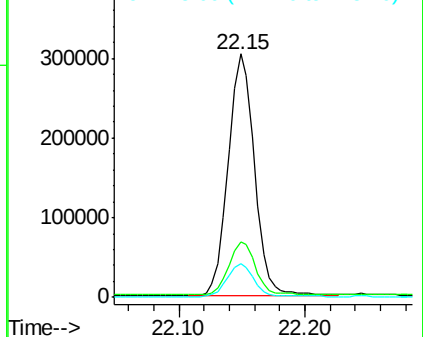
252 100

253 22.6 18.1 27.1

125 13.9 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: 4.89 ng

RT: 23.88 min Scan# 3271

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

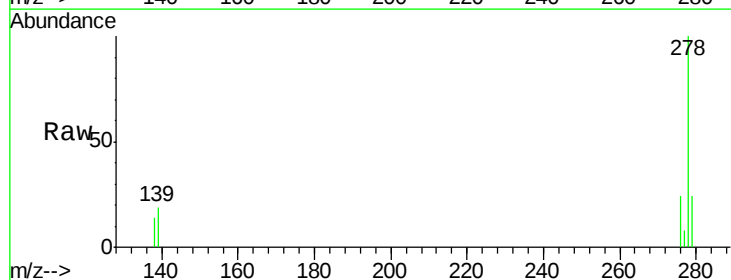
Tgt Ion:278 Resp: 481979

Ion Ratio Lower Upper

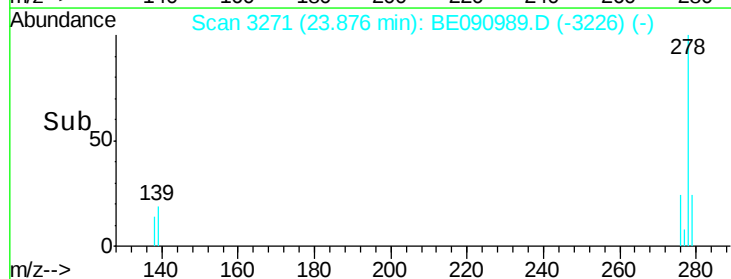
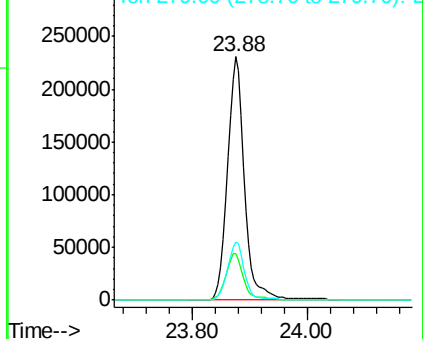
278 100

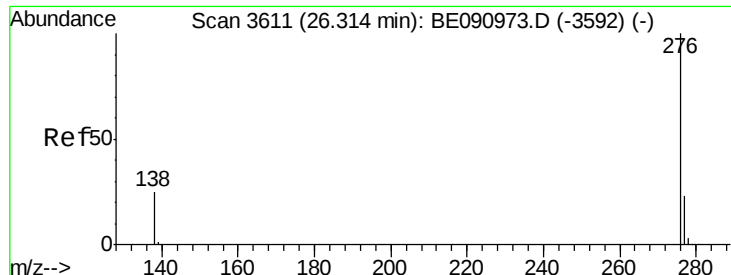
139 19.0 16.0 24.0

279 24.1 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: 4.62 ng

RT: 24.49 min Scan# 3406

Delta R.T. 0.00 min

Lab File: BE090989.D

Acq: 7 Oct 2015 17:00

Instrument :

BNA_E

ClientSampleId :

PB85999BS

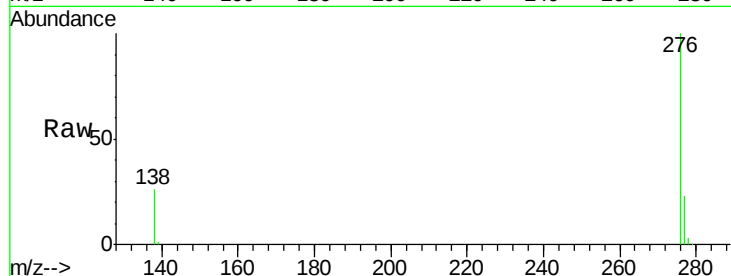
Tot Ion: 276 Resp: 494984

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 26.4 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

