

Data Path : Z:\HPCHEM1\BNA_E\Data\BE051117\
 Data File : BE092999.D
 Acq On : 11 May 2017 16:54
 Operator : SJ/MA
 Sample : PB98857BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB98857BS

Quant Time: May 11 18:52:16 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	999	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3686	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1521	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2928	0.40	ng	0.00
27) Chrysene-d12	21.28	240	3465	0.40	ng	0.00
34) Perylene-d12	23.70	264	2845	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	850	0.31	ng	0.00
5) Phenol-d6	6.92	99	1007	0.29	ng	-0.02
8) Nitrobenzene-d5	8.88	82	919	0.32	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	1929	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	107	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2080	0.35	ng	0.00
25) Fluoranthene-d10	19.16	212	2536	0.33	ng	0.00
29) Terphenyl-d14	19.74	244	1792	0.29	ng	0.00

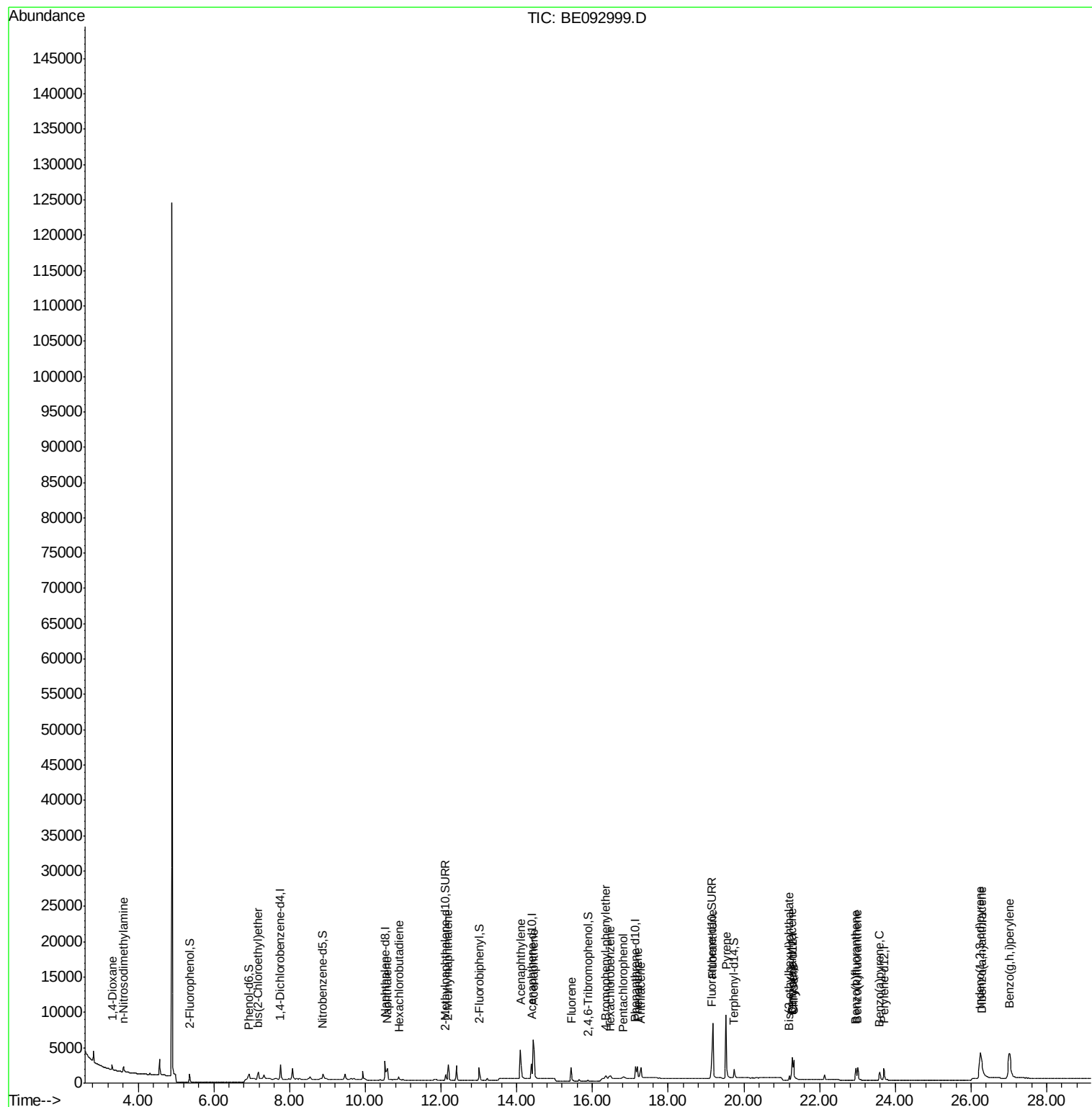
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	425	0.21	ng	# 69
3) n-Nitrosodimethylamine	3.61	42	507	0.30	ng	99
6) bis(2-Chloroethyl)ether	7.18	93	981	0.29	ng	# 99
9) Naphthalene	10.58	128	2888	0.29	ng	99
10) Hexachlorobutadiene	10.89	225	408	0.30	ng	96
12) 2-Methylnaphthalene	12.19	142	1690	0.29	ng	97
16) Acenaphthylene	14.10	152	7166	0.28	ng	99
17) Acenaphthene	14.46	154	1369	0.29	ng	95
18) Fluorene	15.44	166	1595	0.27	ng	99
20) 4-Bromophenyl-phenylether	16.36	248	337	0.36	ng	95
21) Hexachlorobenzene	16.47	284	521	0.36	ng	# 100
22) Pentachlorophenol	16.82	266	250	0.75	ng	92
23) Phenanthrene	17.19	178	2536	0.38	ng	98
24) Anthracene	17.28	178	2170	0.36	ng	98
26) Fluoranthene	19.18	202	12128	0.32	ng	# 100
28) Pyrene	19.53	202	12390	0.29	ng	# 97
30) Benzo(a)anthracene	21.27	228	2310	0.27	ng	98
31) Chrysene	21.32	228	3318	0.31	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	682	0.26	ng	100
33) Indeno(1,2,3-cd)pyrene	26.24	276	11309	0.33	ng	98
35) Benzo(b)fluoranthene	22.95	252	3007	0.33	ng	98
36) Benzo(k)fluoranthene	23.01	252	2688	0.29	ng	99
37) Benzo(a)pyrene	23.59	252	2353	0.29	ng	96
38) Dibenzo(a,h)anthracene	26.27	278	2247	0.31	ng	94
39) Benzo(g,h,i)perylene	27.02	276	10778	0.33	ng	96

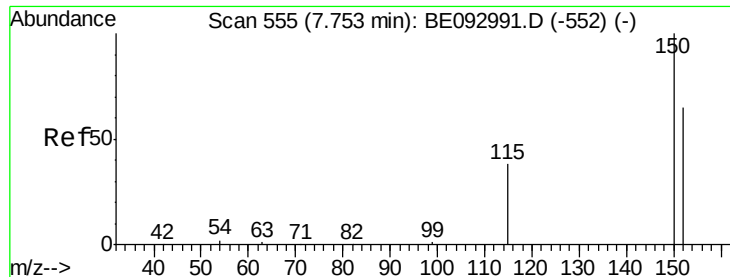
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 11 14:48:08 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

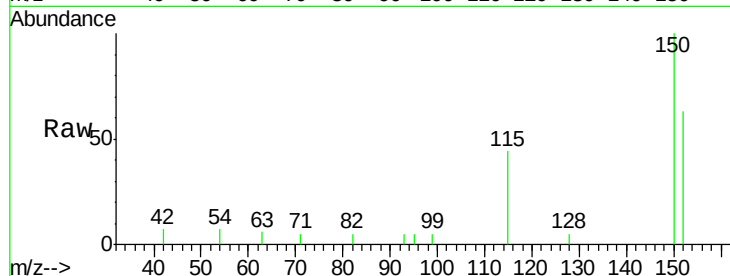
Tgt Ion:152 Resp: 999

Ion Ratio Lower Upper

152 100

150 159.4 125.1 187.7

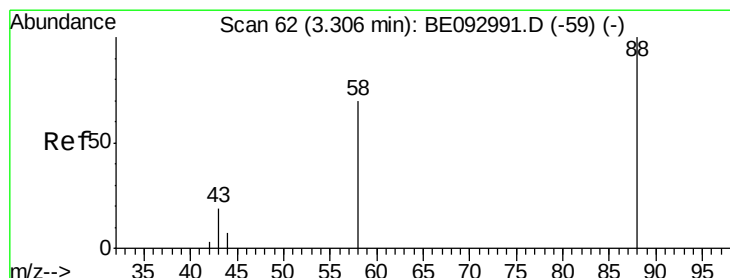
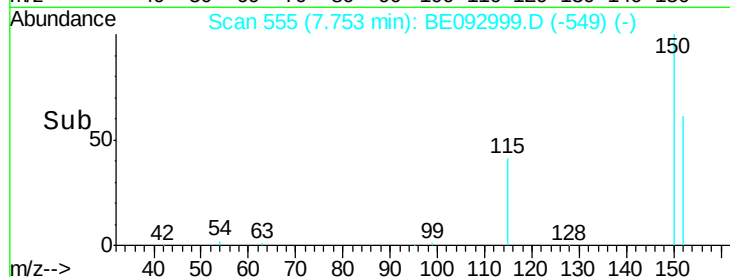
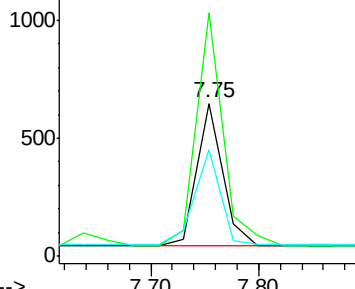
115 69.6 55.7 83.5



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: 0.21 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

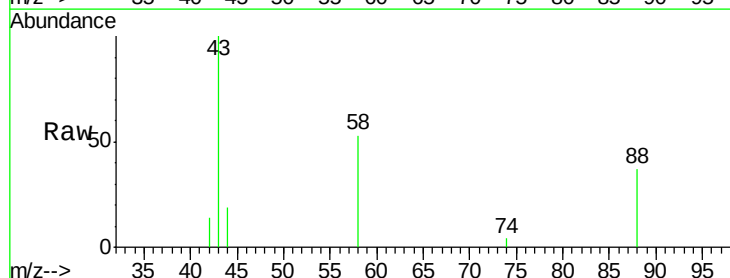
Tgt Ion: 88 Resp: 425

Ion Ratio Lower Upper

88 100

58 96.7 62.2 93.4#

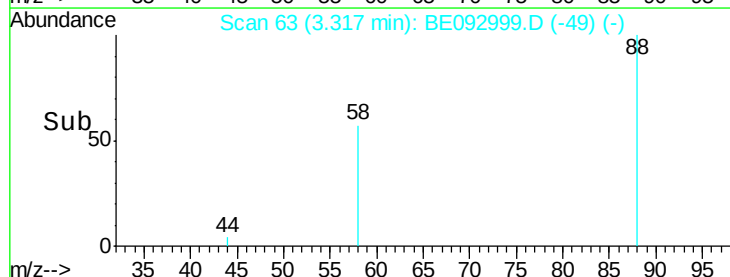
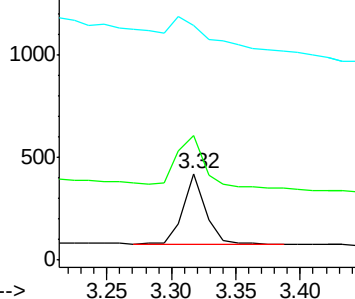
43 0.0 23.2 34.8#

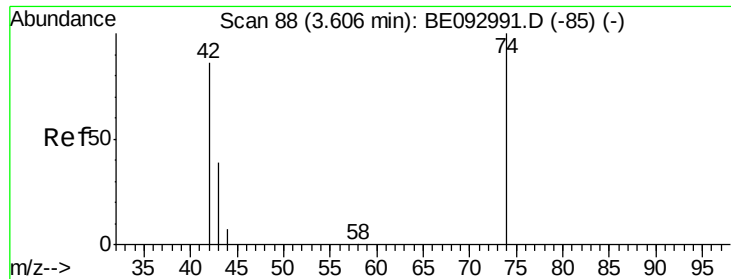


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.30 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

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ClientSampleId :

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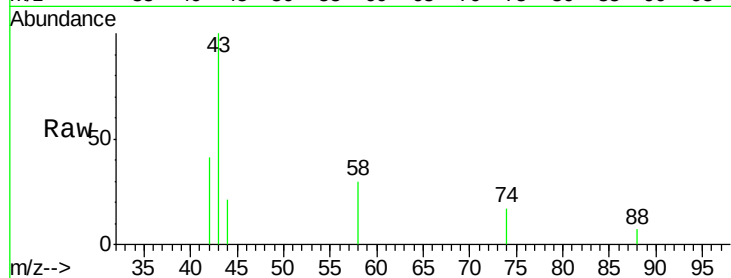
Tgt Ion: 42 Resp: 507

Ion Ratio Lower Upper

42 100

74 123.1 99.1 148.7

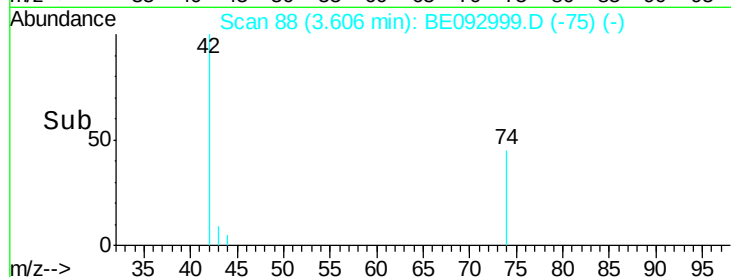
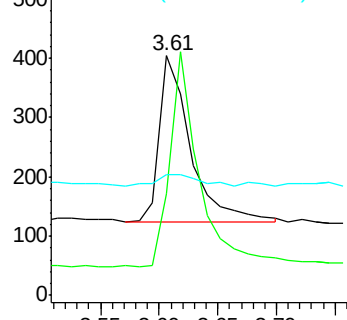
44 10.3 7.4 11.2



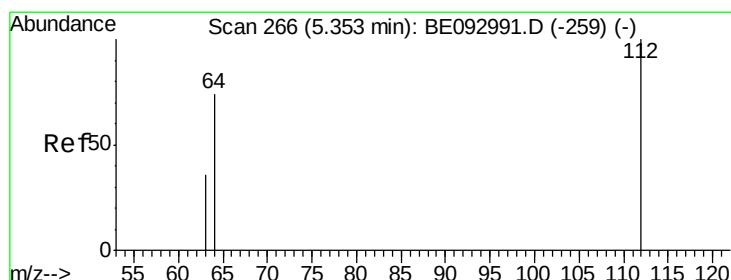
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.31 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

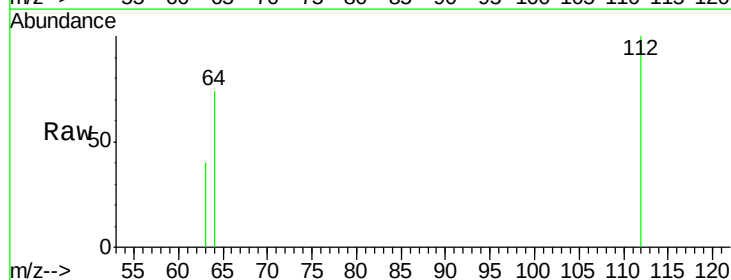
Tgt Ion: 112 Resp: 850

Ion Ratio Lower Upper

112 100

64 72.1 56.4 84.6

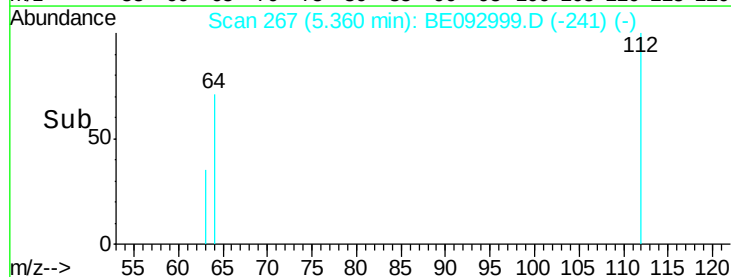
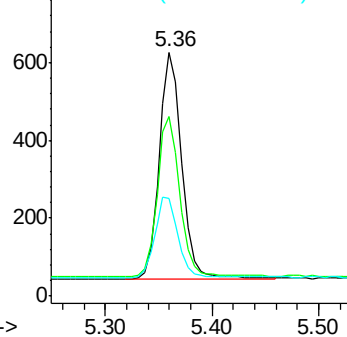
63 36.9 29.3 43.9



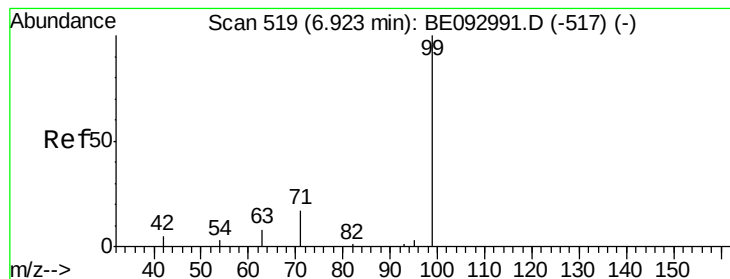
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.29 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

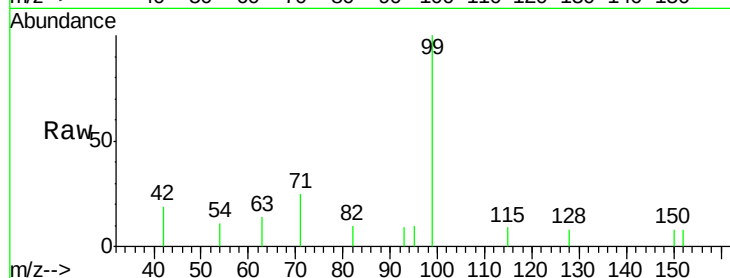
Tgt Ion: 99 Resp: 1007

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

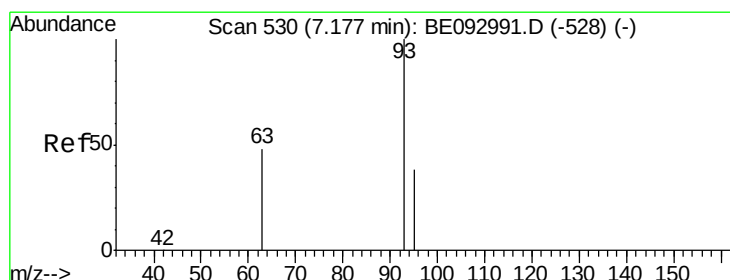
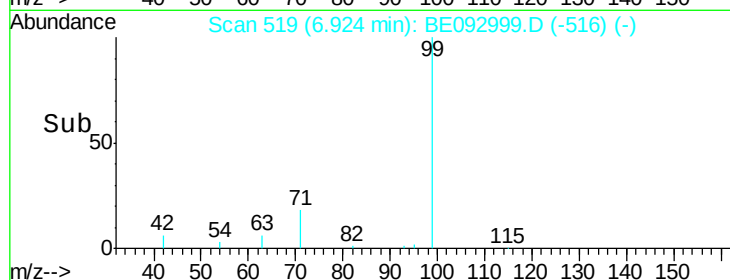
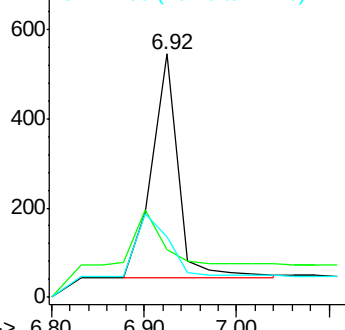
71 0.0 0.0 0.0



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: 0.29 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

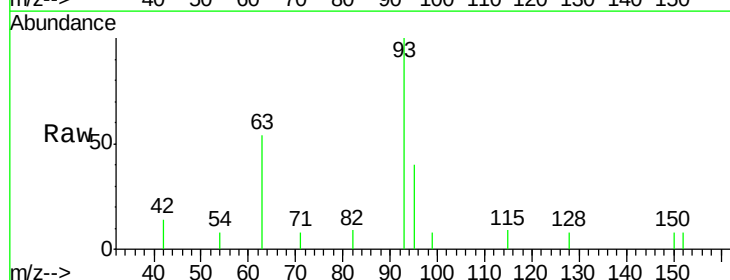
Tgt Ion: 93 Resp: 981

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

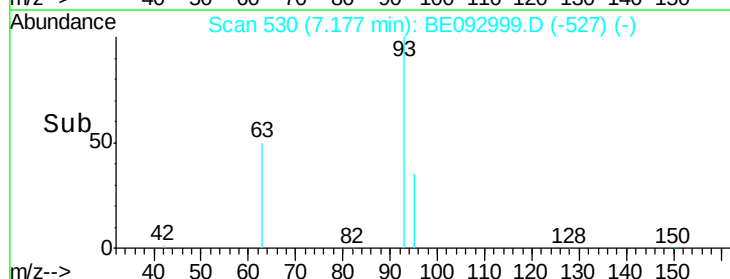
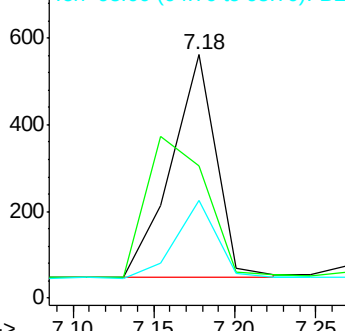
95 32.0 25.4 38.0

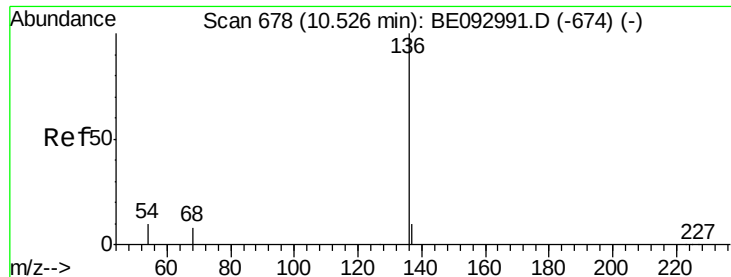


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

Tgt Ion: 136 Resp: 3686

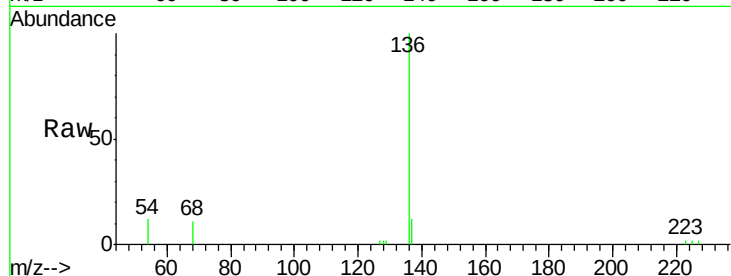
Ion Ratio Lower Upper

136 100

137 12.1 9.8 14.8

54 12.4 10.3 15.5

68 10.7 9.0 13.4

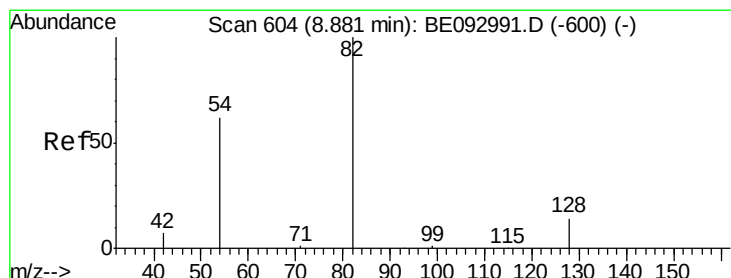
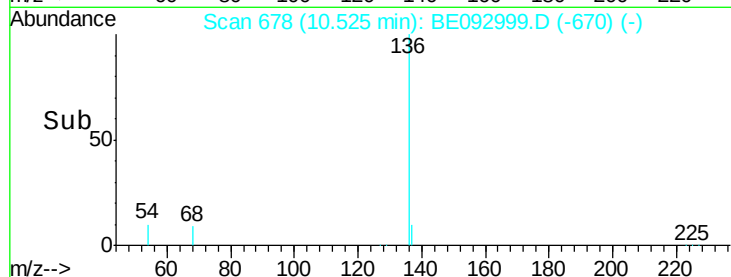
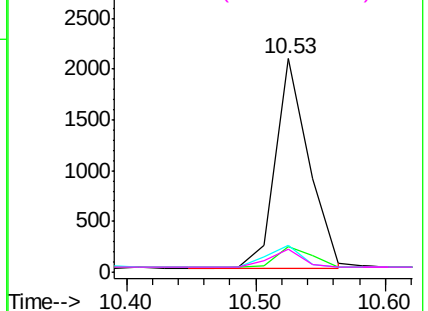


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.32 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

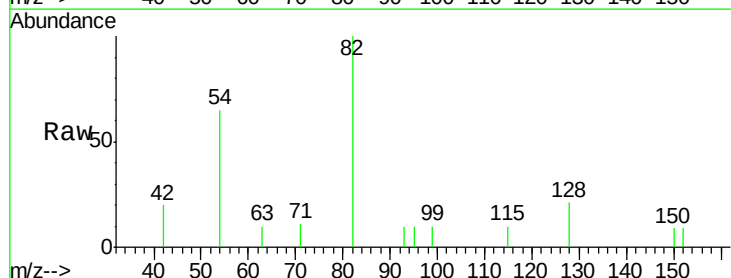
Tgt Ion: 82 Resp: 919

Ion Ratio Lower Upper

82 100

128 21.2 17.0 25.4

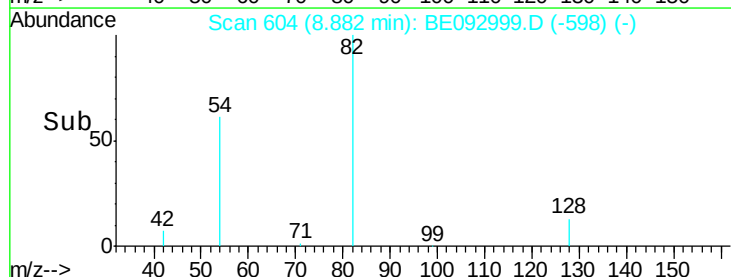
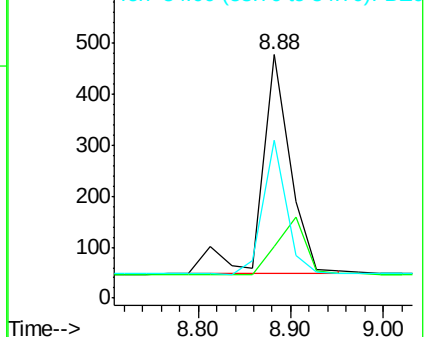
54 65.0 53.8 80.6

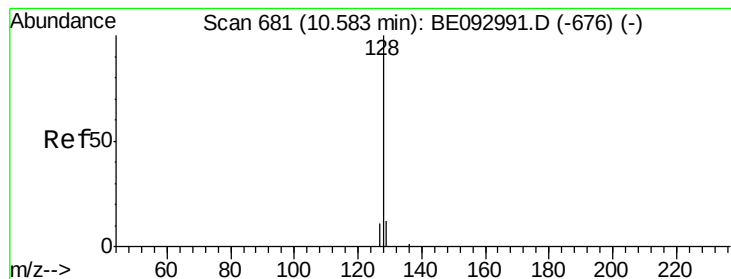


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.29 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

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Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

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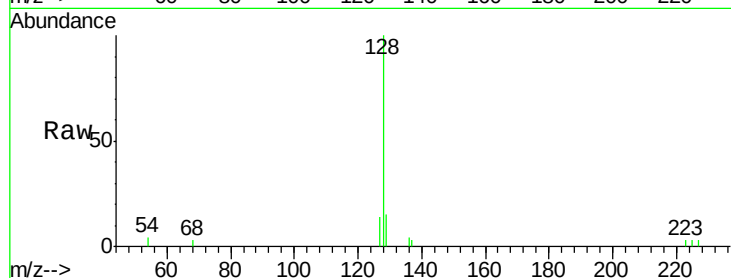
Tgt Ion:128 Resp: 2888

Ion Ratio Lower Upper

128 100

129 14.7 11.4 17.0

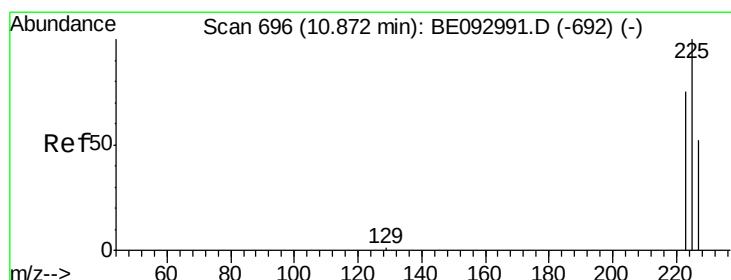
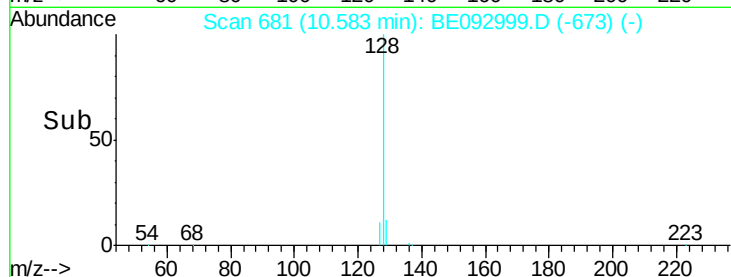
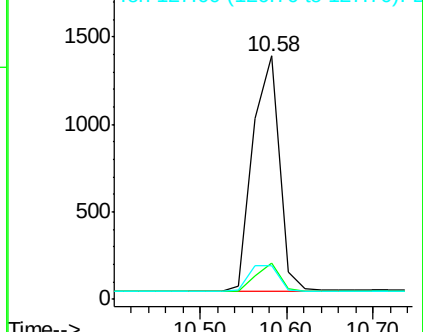
127 14.0 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.30 ng

RT: 10.89 min Scan# 697

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

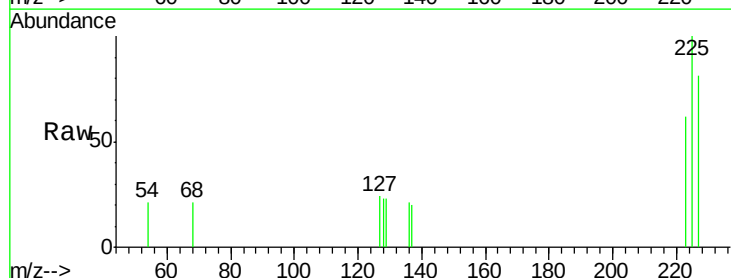
Tgt Ion:225 Resp: 408

Ion Ratio Lower Upper

225 100

223 65.9 49.7 74.5

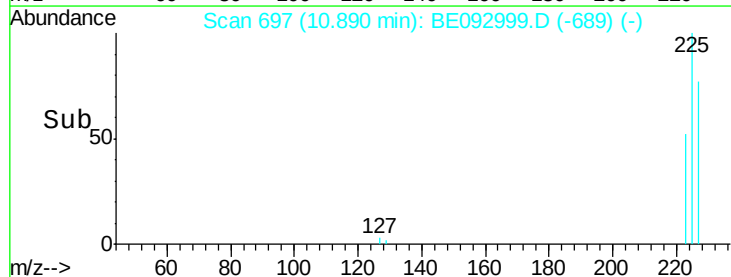
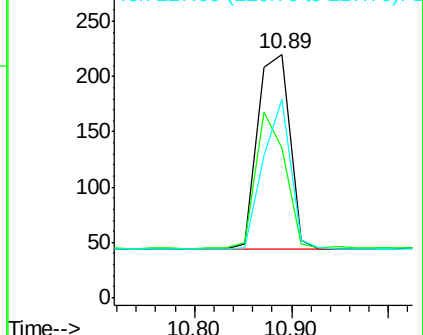
227 64.7 50.3 75.5

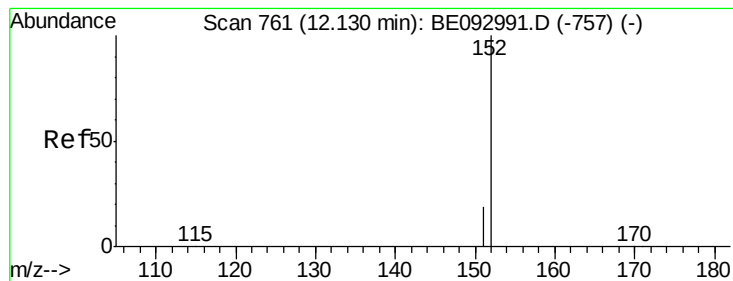


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.37 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

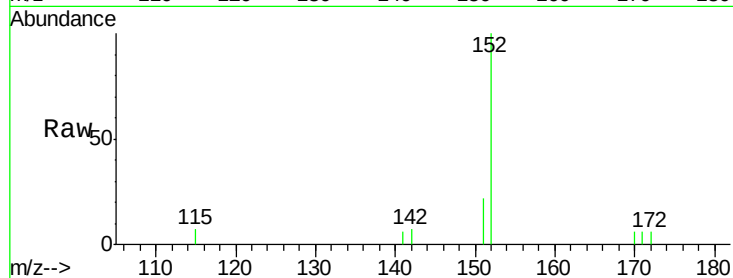
PB98857BS

Tgt Ion:152 Resp: 1929

Ion Ratio Lower Upper

152 100

151 15.0 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.11

800

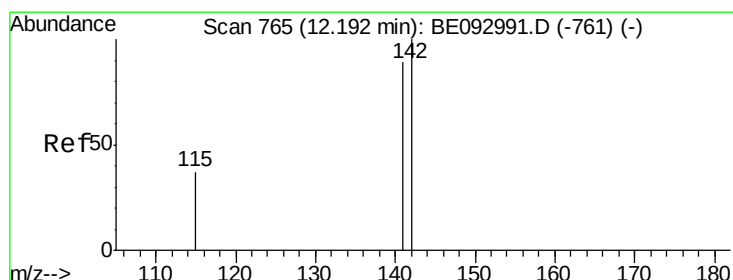
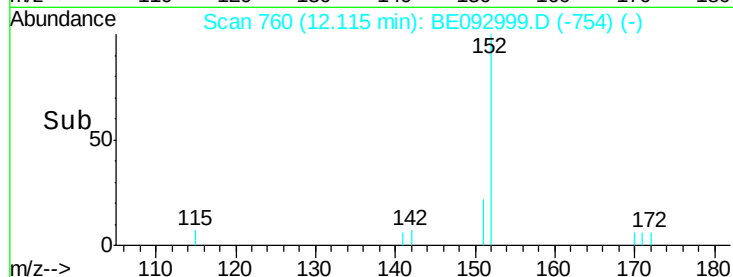
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.29 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

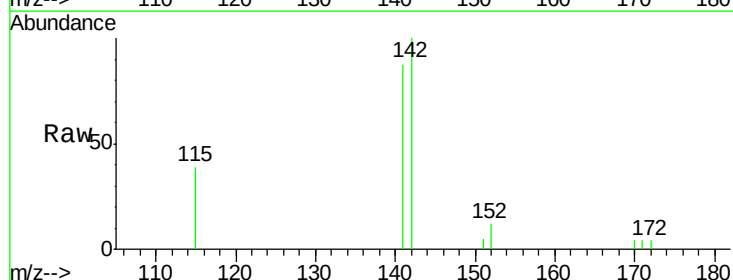
Tgt Ion:142 Resp: 1690

Ion Ratio Lower Upper

142 100

141 87.0 72.6 108.8

115 39.3 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

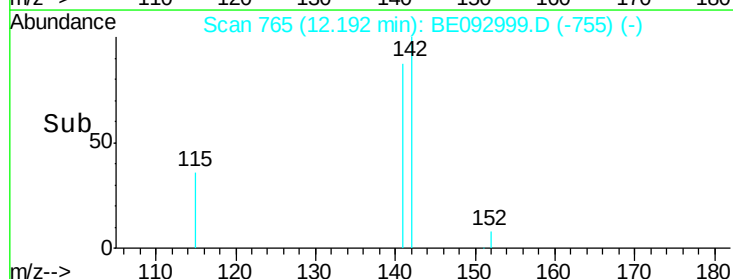
12.19

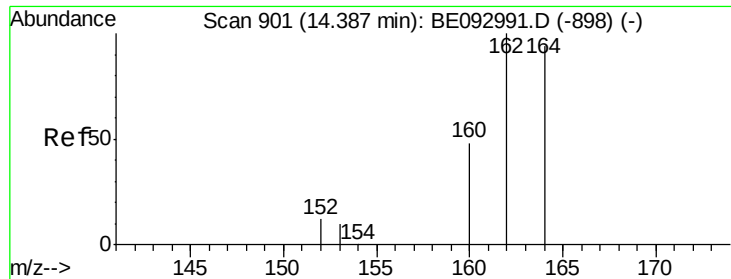
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

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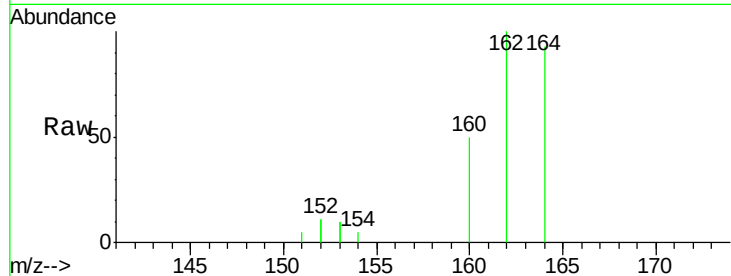
Tgt Ion:164 Resp: 1521

Ion Ratio Lower Upper

164 100

162 107.1 84.6 127.0

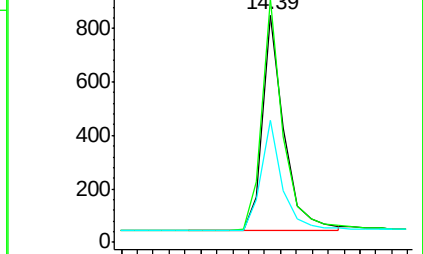
160 53.7 41.8 62.6



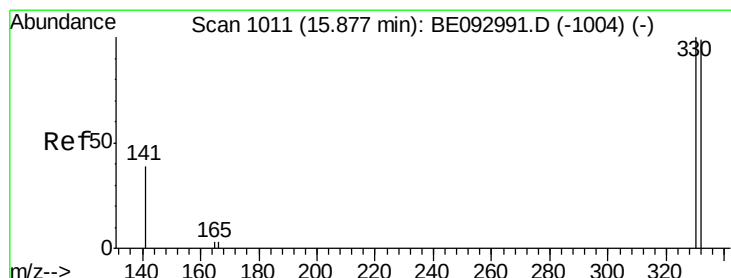
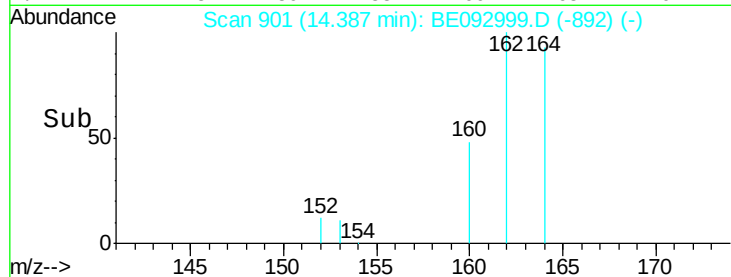
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.26 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

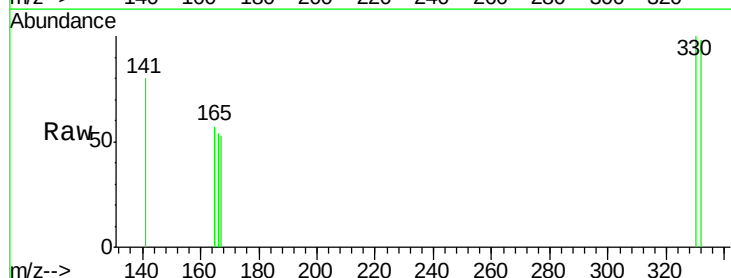
Tgt Ion:330 Resp: 107

Ion Ratio Lower Upper

330 100

332 96.3 77.7 116.5

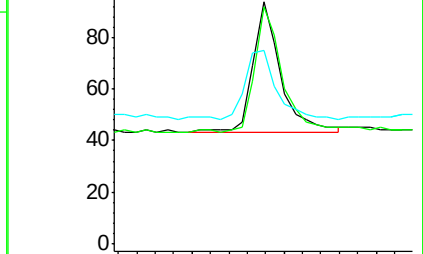
141 59.8 56.2 84.4



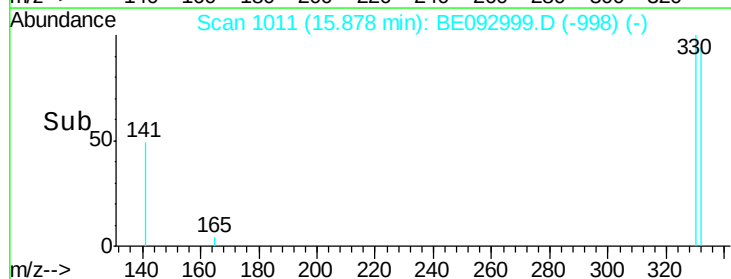
Abundance Ion 330.00 (329.70 to 330.70): E

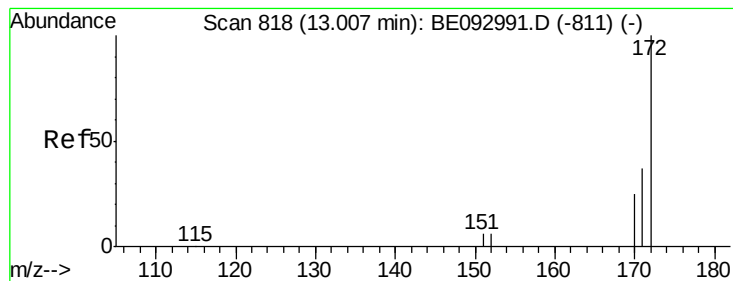
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#15

2-Fluorobiphenyl

Concen: 0.35 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

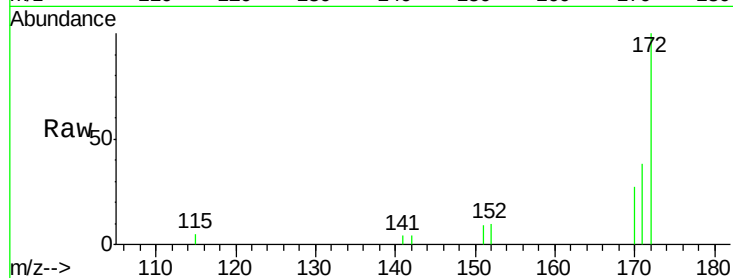
Tgt Ion:172 Resp: 2080

Ion Ratio Lower Upper

172 100

171 37.5 29.8 44.6

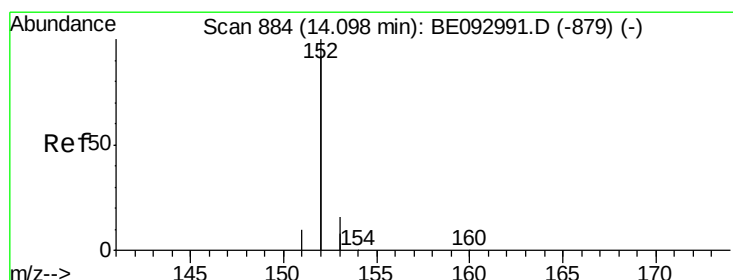
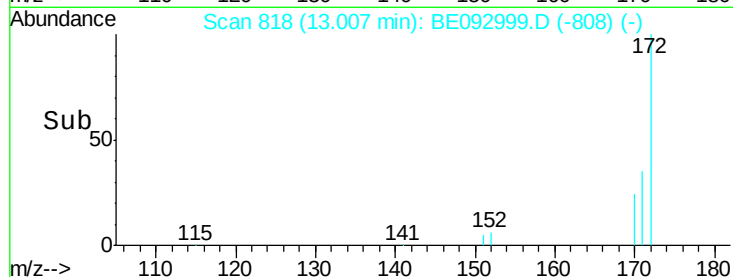
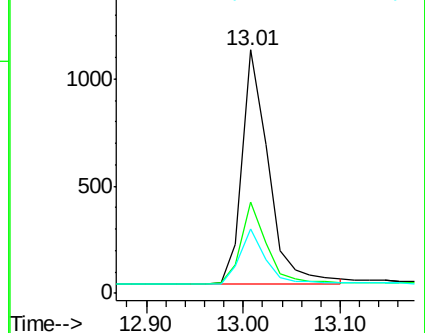
170 26.6 20.7 31.1



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



#16

Acenaphthylene

Concen: 0.28 ng

RT: 14.10 min Scan# 884

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

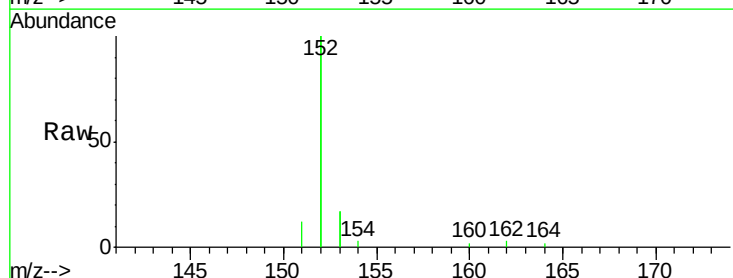
Tgt Ion:152 Resp: 7166

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

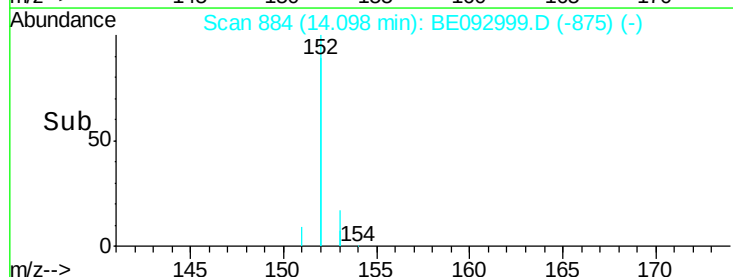
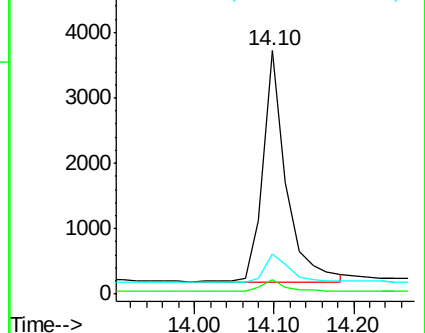
153 13.2 10.3 15.5

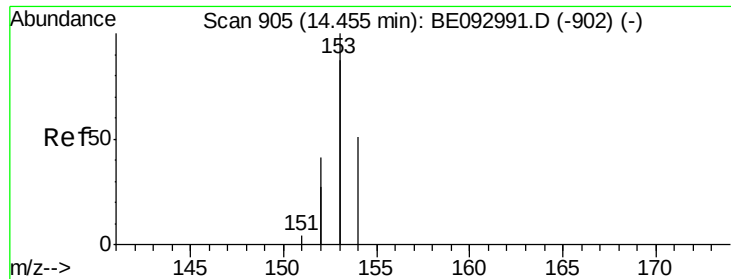


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.29 ng

RT: 14.46 min Scan# 905

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

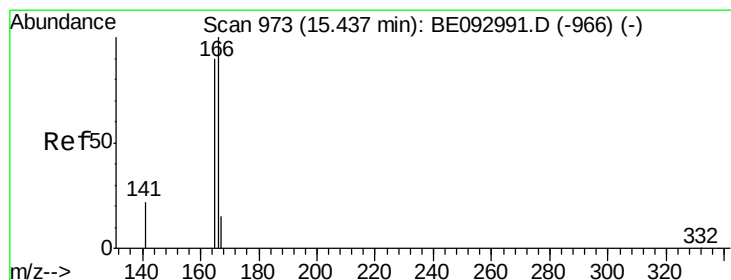
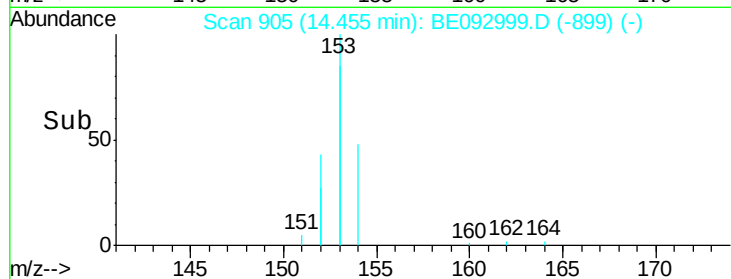
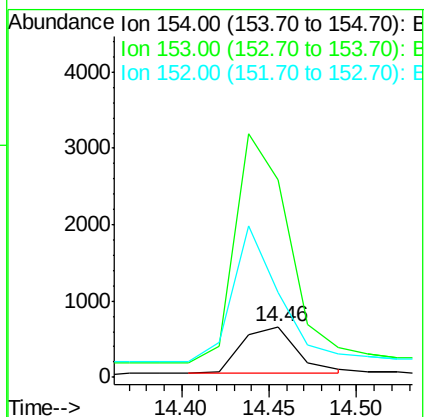
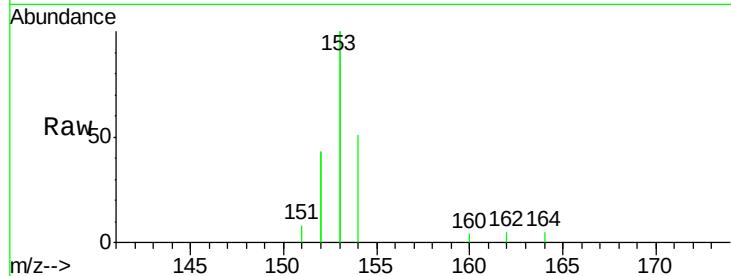
Tgt Ion:154 Resp: 1369

Ion Ratio Lower Upper

154 100

153 472.8 367.8 551.6

152 242.3 188.2 282.2



#18

Fluorene

Concen: 0.27 ng

RT: 15.44 min Scan# 973

Delta R.T. 0.01 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

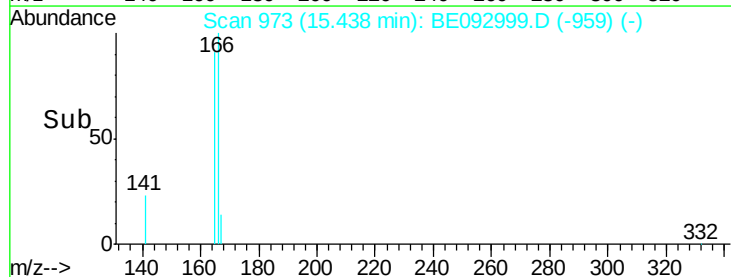
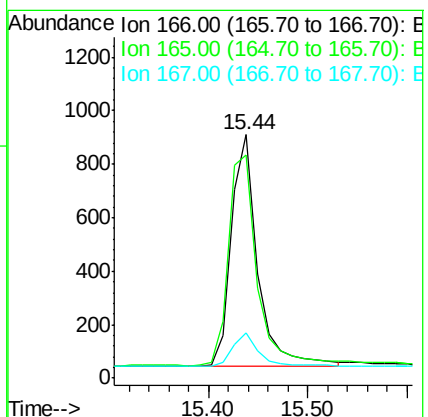
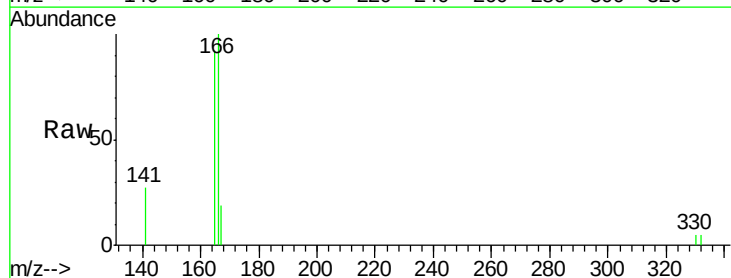
Tgt Ion:166 Resp: 1595

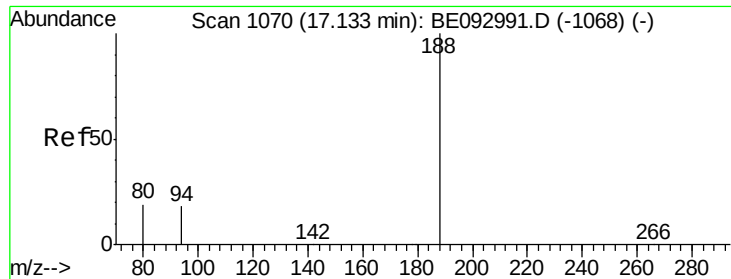
Ion Ratio Lower Upper

166 100

165 99.3 78.6 117.8

167 14.5 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

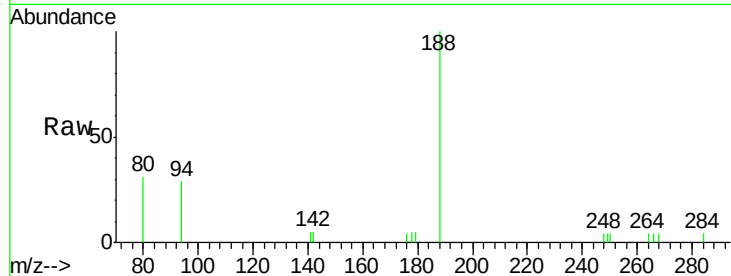
Tgt Ion:188 Resp: 2928

Ion Ratio Lower Upper

188 100

94 28.5 11.3 16.9#

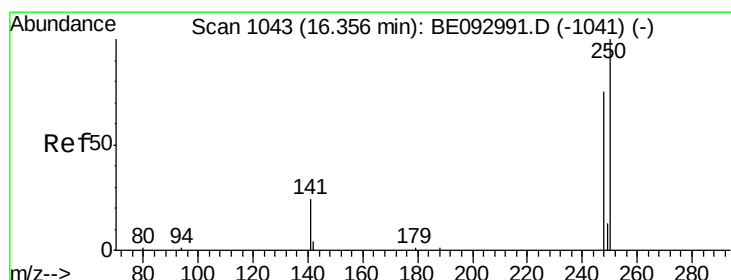
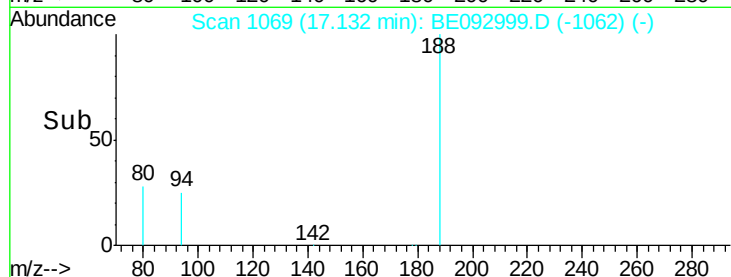
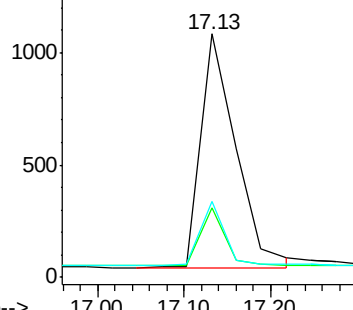
80 31.2 11.7 17.5#



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: 0.36 ng

RT: 16.36 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

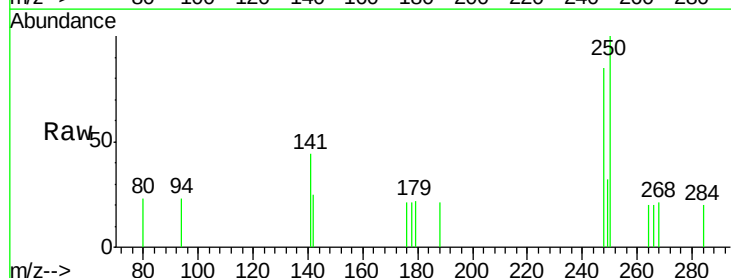
Tgt Ion:248 Resp: 337

Ion Ratio Lower Upper

248 100

250 117.3 100.0 150.0

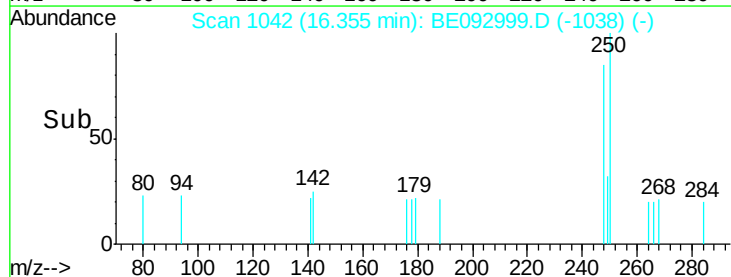
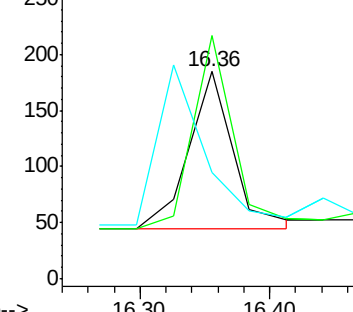
141 51.4 40.0 60.0

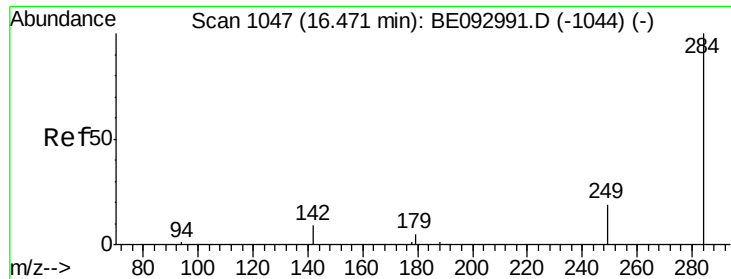


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

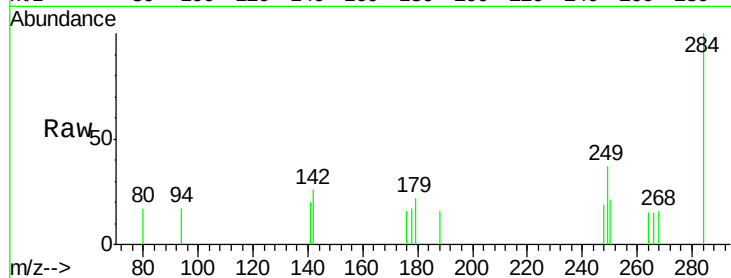




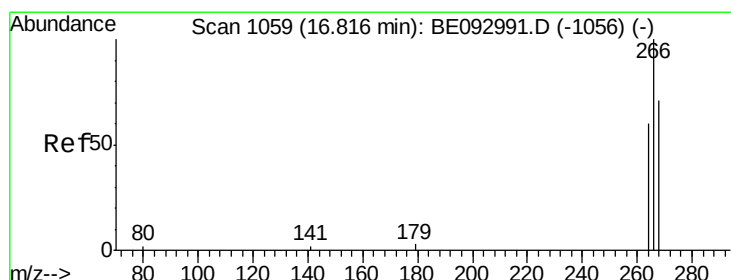
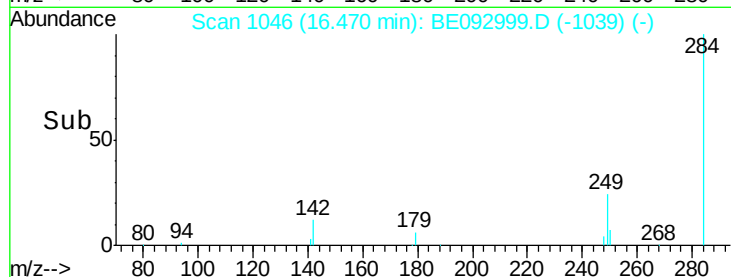
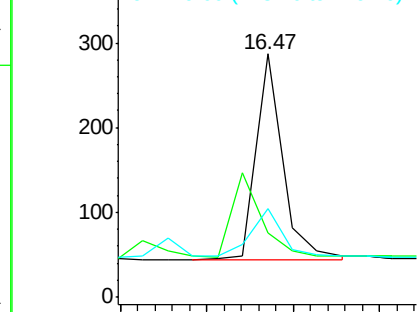
#21
Hexachlorobenzene
Concen: 0.36 ng
RT: 16.47 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion: 284 Resp: 521
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 27.3 0.0 0.0#

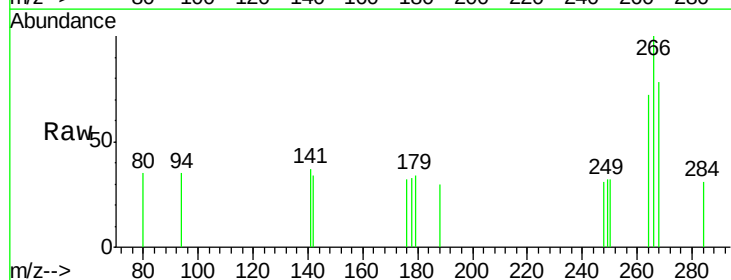


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

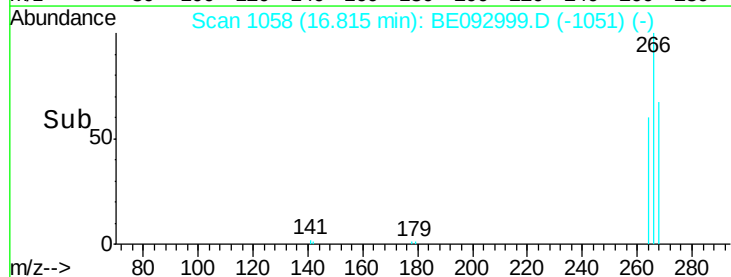
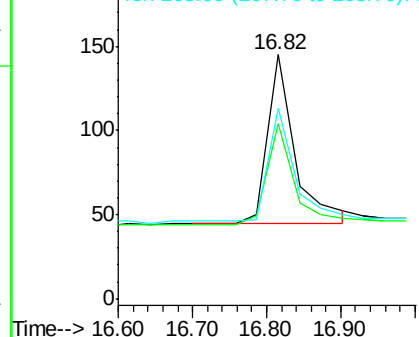


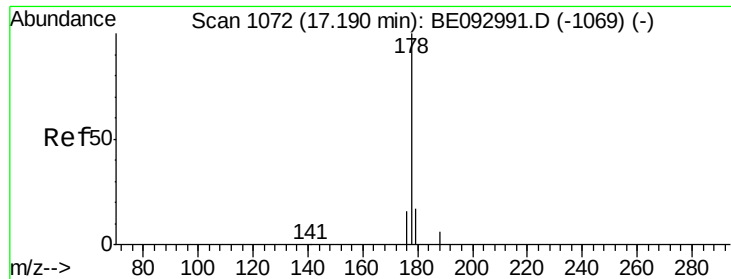
#22
Pentachlorophenol
Concen: 0.75 ng
RT: 16.82 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion: 266 Resp: 250
Ion Ratio Lower Upper
266 100
264 71.7 58.2 87.2
268 77.9 71.9 107.9



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E

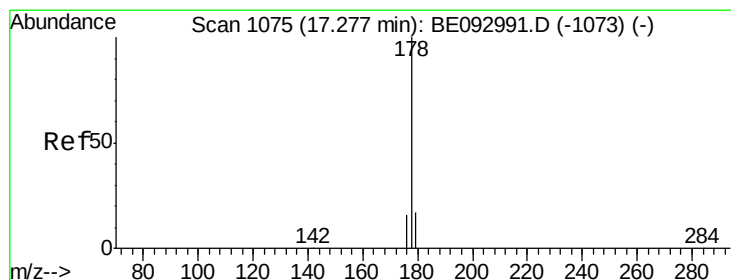
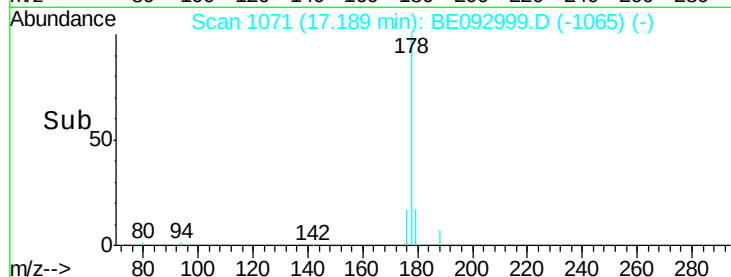
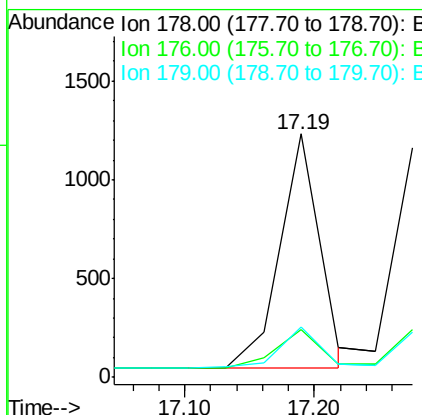
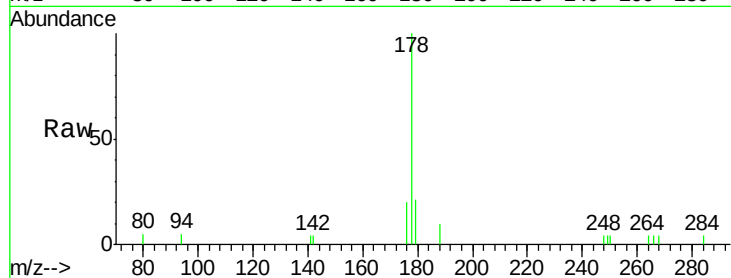




#23
Phenanthrene
Concen: 0.38 ng
RT: 17.19 min Scan# 1071
Delta R.T. 0.01 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

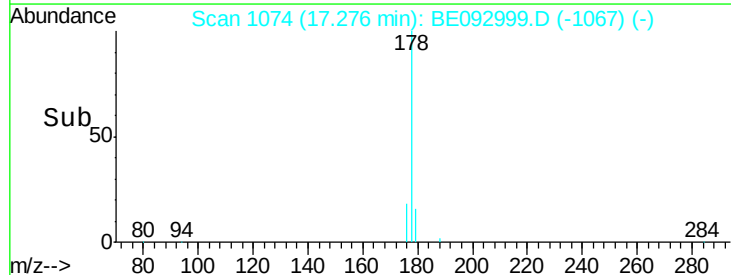
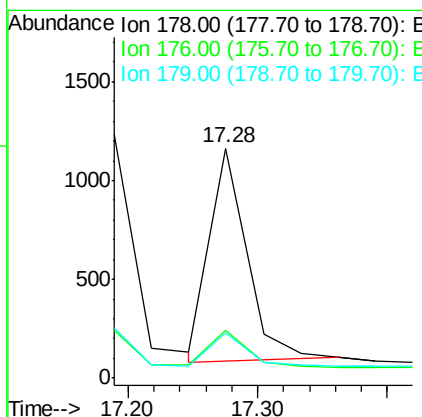
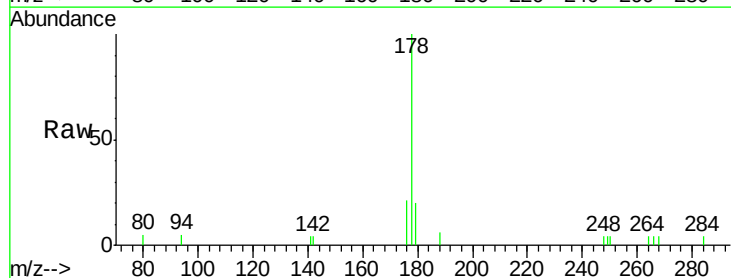
Instrument :
BNA_E
ClientSampleId :
PB98857BS

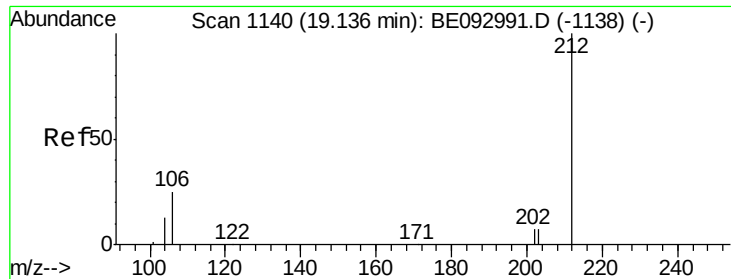
Tgt Ion:178 Resp: 2536
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 16.8 12.7 19.1



#24
Anthracene
Concen: 0.36 ng
RT: 17.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:178 Resp: 2170
Ion Ratio Lower Upper
178 100
176 17.6 14.6 22.0
179 15.9 12.0 18.0





#25

Fluoranthene-d10

Concen: 0.33 ng

RT: 19.16 min Scan# 1140

Delta R.T. 0.01 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

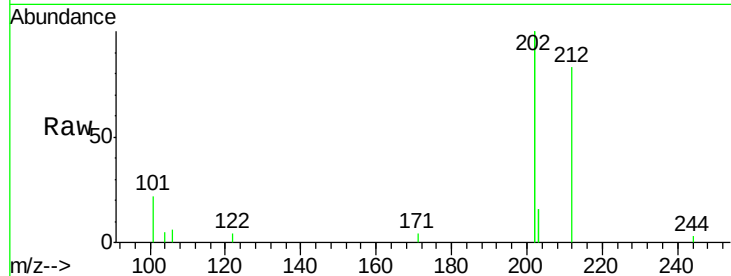
Tgt Ion:212 Resp: 2536

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

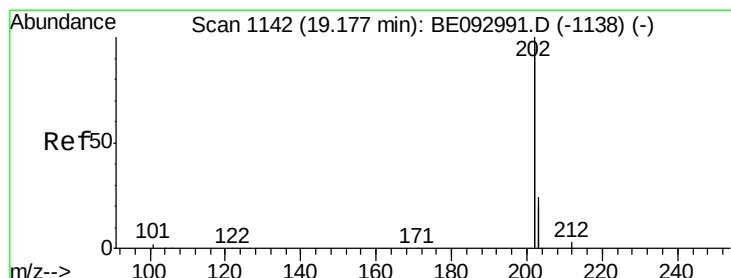
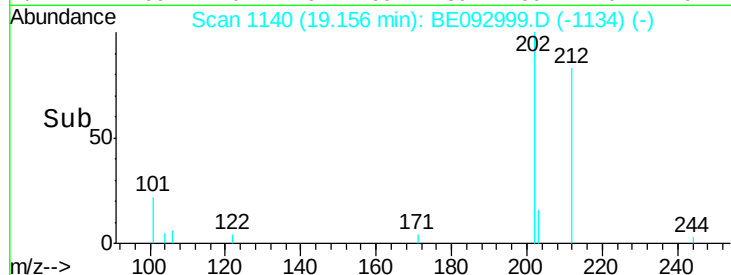
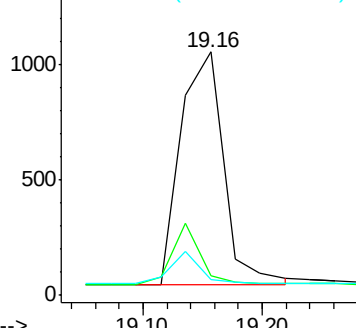
104 0.0 0.0 0.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.32 ng

RT: 19.18 min Scan# 1141

Delta R.T. 0.01 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

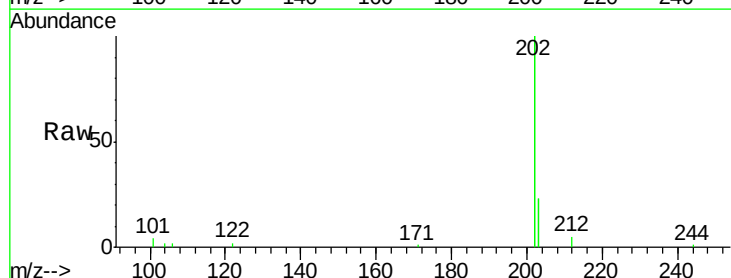
Tgt Ion:202 Resp: 12128

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

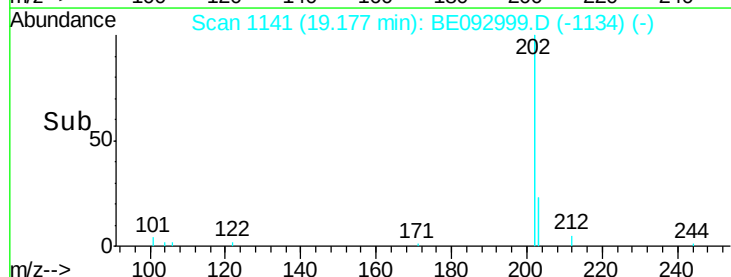
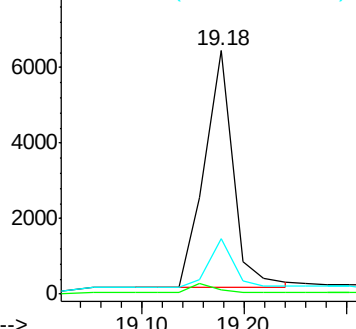
203 18.0 14.4 21.6

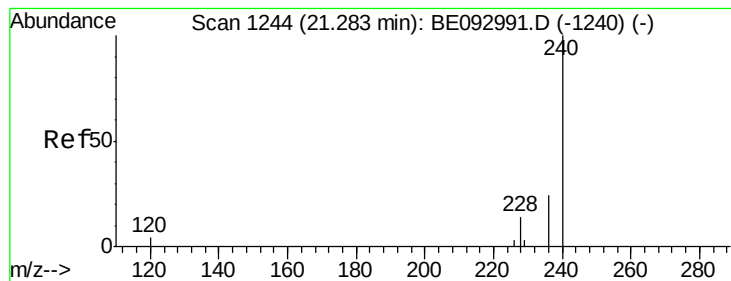


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

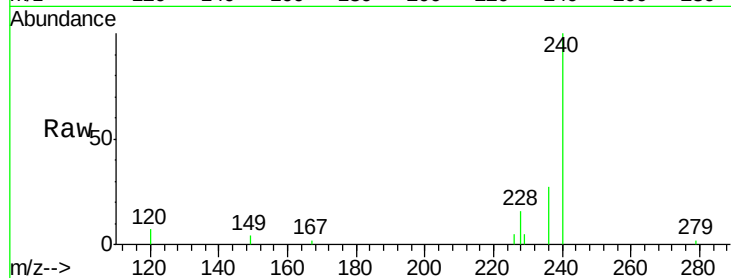
Tgt Ion:240 Resp: 3465

Ion Ratio Lower Upper

240 100

120 6.7 4.6 7.0

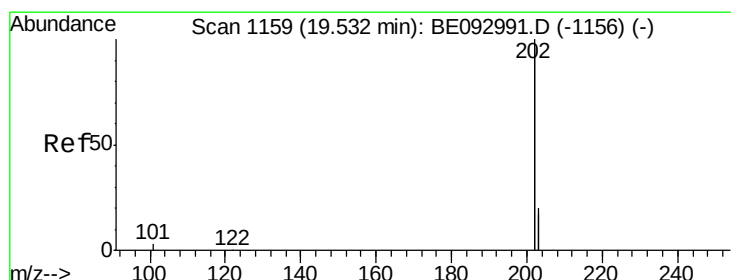
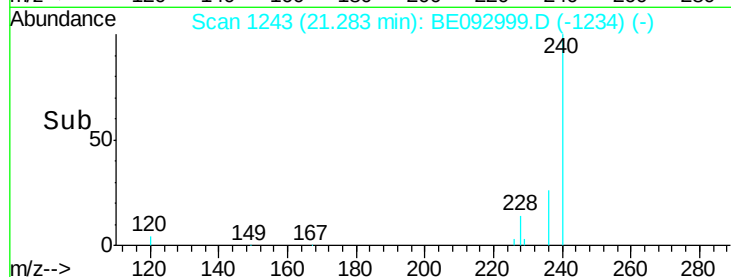
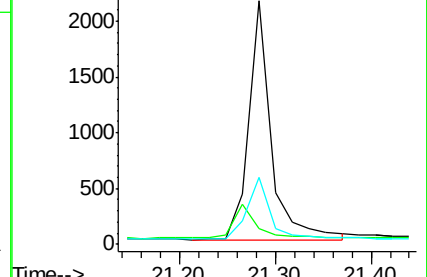
236 27.3 20.8 31.2



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



#28

Pyrene

Concen: 0.29 ng

RT: 19.53 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

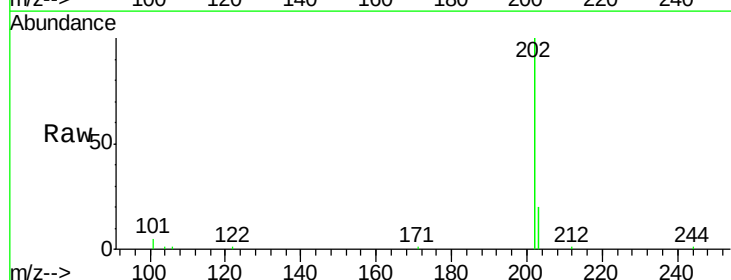
Tgt Ion:202 Resp: 12390

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

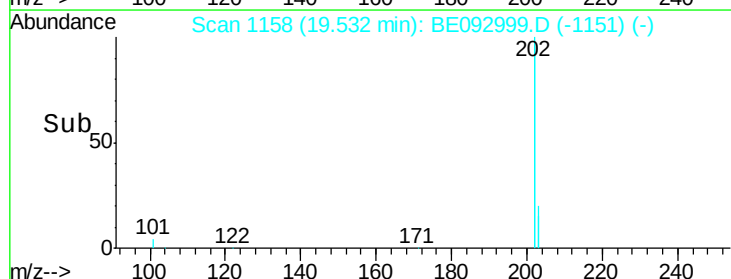
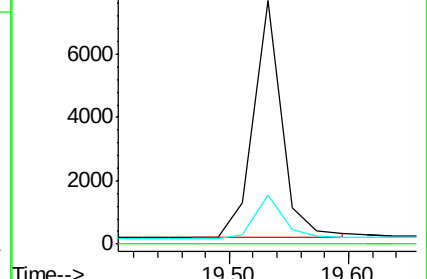
203 18.5 13.7 20.5

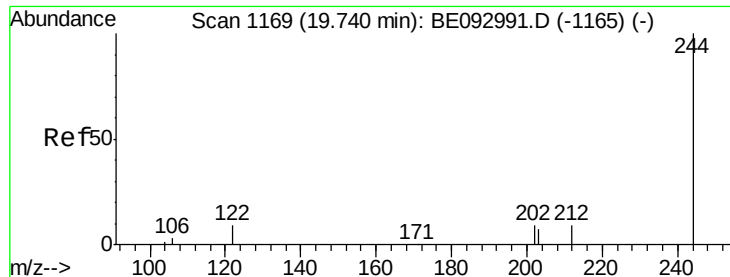


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.29 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

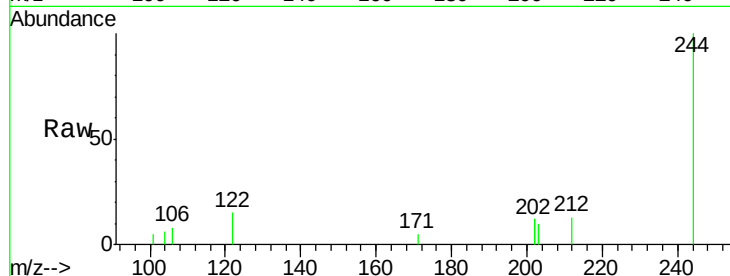
Tgt Ion:244 Resp: 1792

Ion Ratio Lower Upper

244 100

212 13.3 10.6 16.0

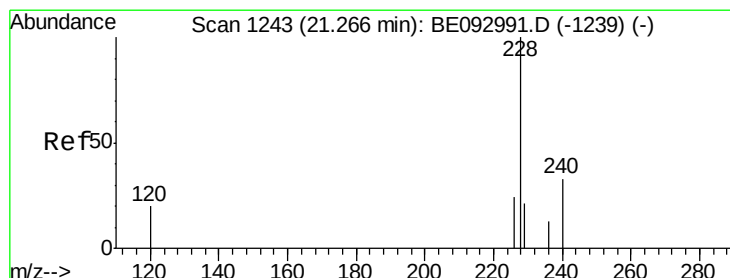
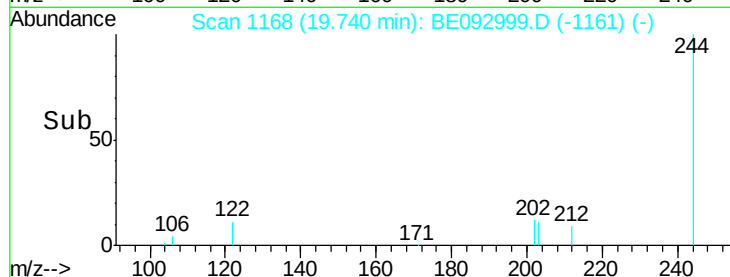
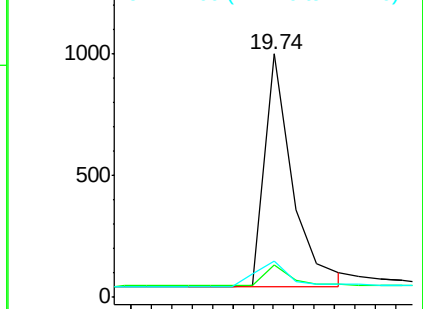
122 15.1 15.4 23.0#



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: 0.27 ng

RT: 21.27 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

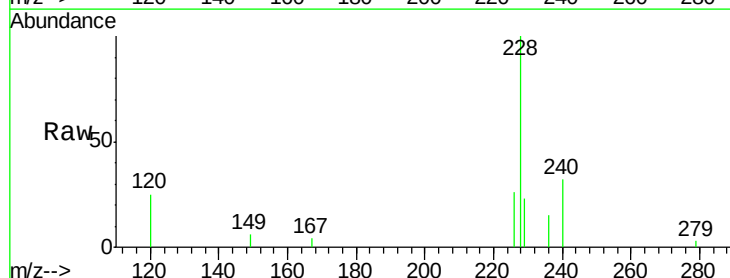
Tgt Ion:228 Resp: 2310

Ion Ratio Lower Upper

228 100

226 26.4 19.7 29.5

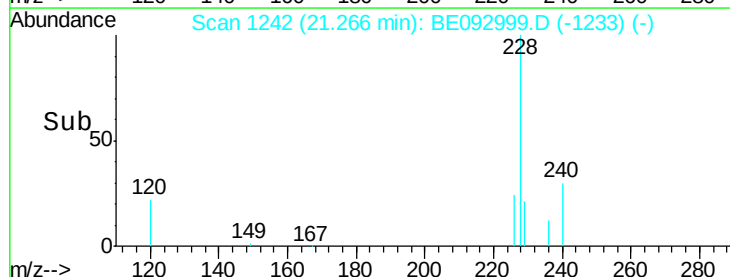
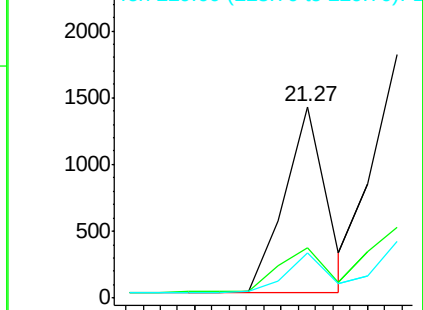
229 23.5 19.2 28.8

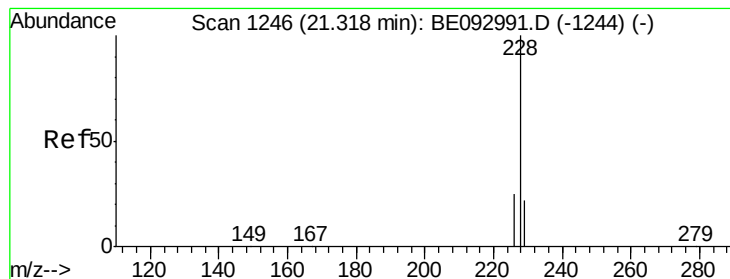


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.31 ng

RT: 21.32 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

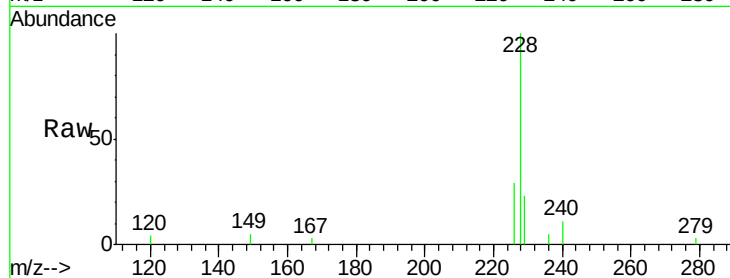
Tgt Ion: 228 Resp: 3318

Ion Ratio Lower Upper

228 100

226 29.0 21.5 32.3

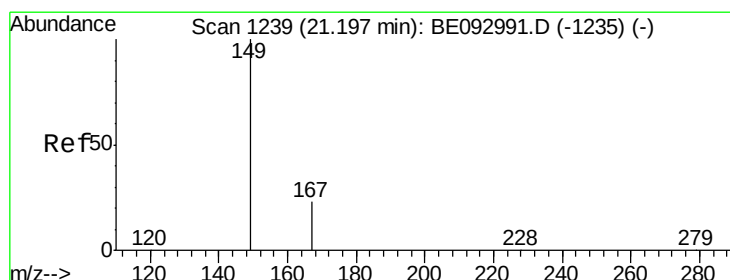
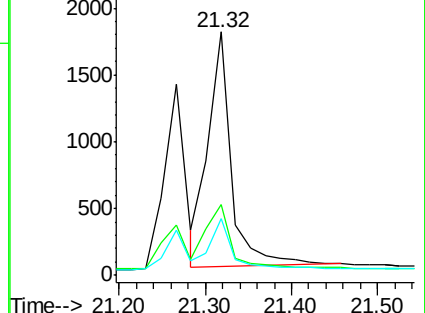
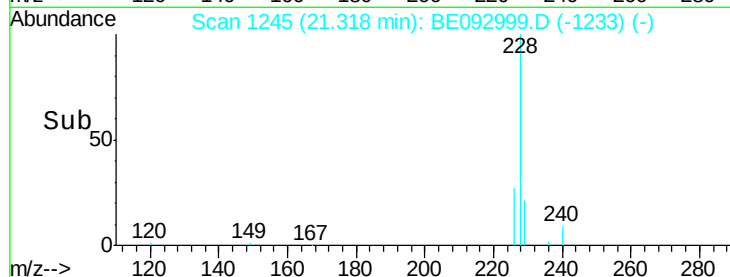
229 23.3 18.6 28.0



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

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

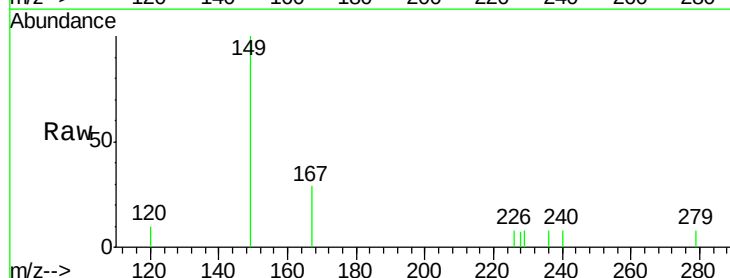
Tgt Ion: 149 Resp: 682

Ion Ratio Lower Upper

149 100

167 25.1 20.1 30.1

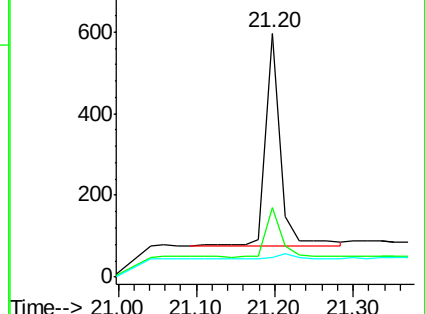
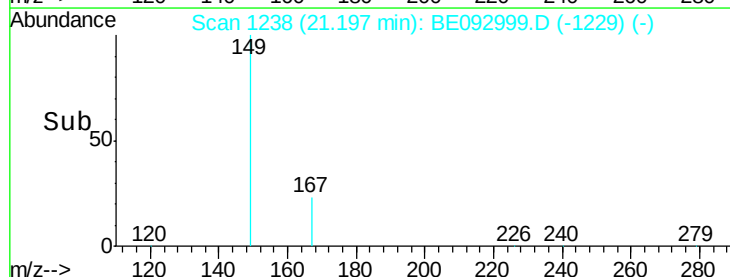
279 2.8 2.2 3.4

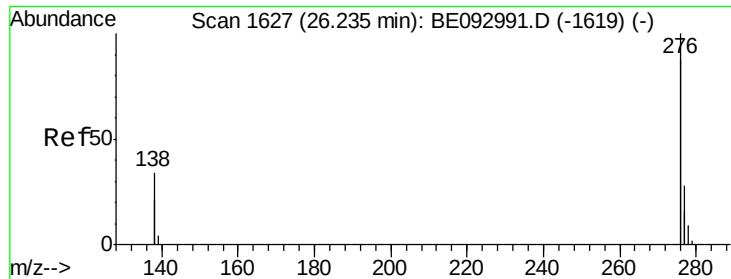


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.33 ng

RT: 26.24 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

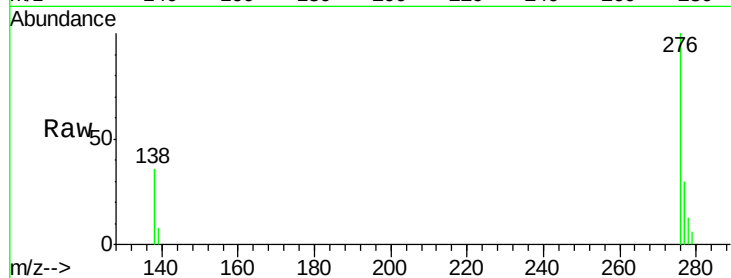
Tgt Ion:276 Resp: 11309

Ion Ratio Lower Upper

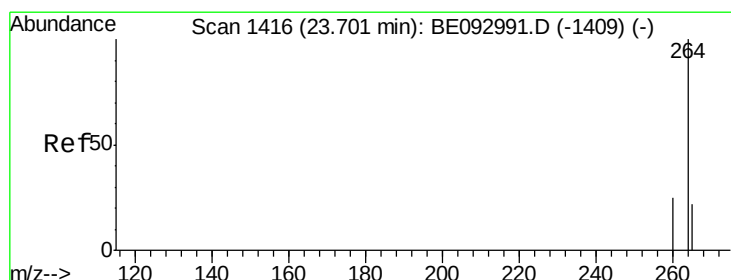
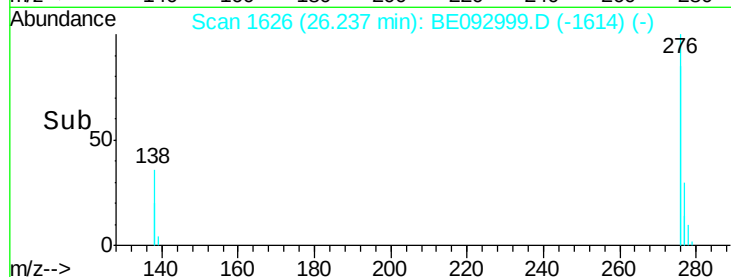
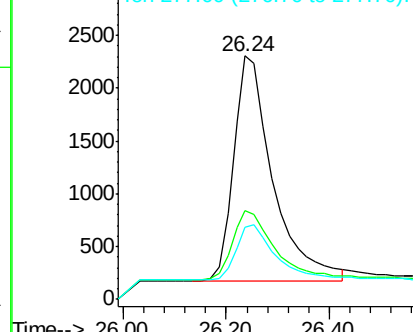
276 100

138 32.7 27.4 41.2

277 24.7 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

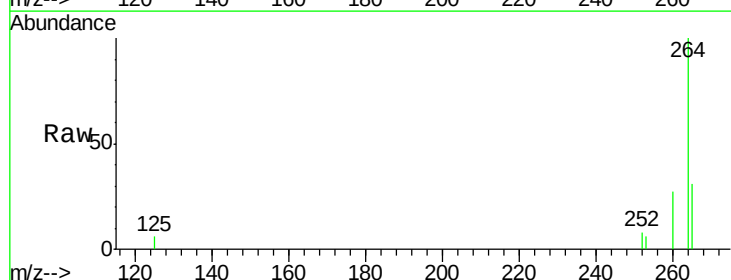
Tgt Ion:264 Resp: 2845

Ion Ratio Lower Upper

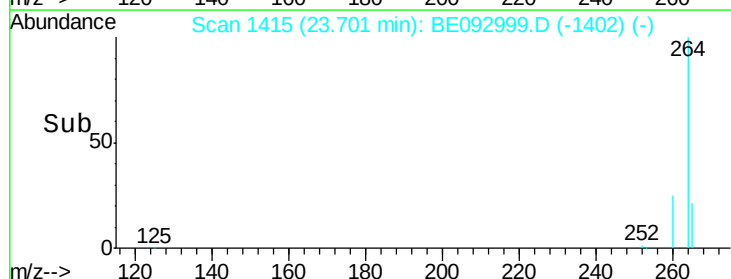
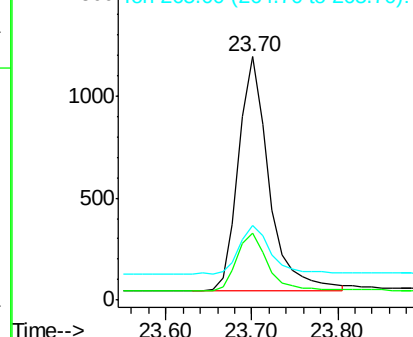
264 100

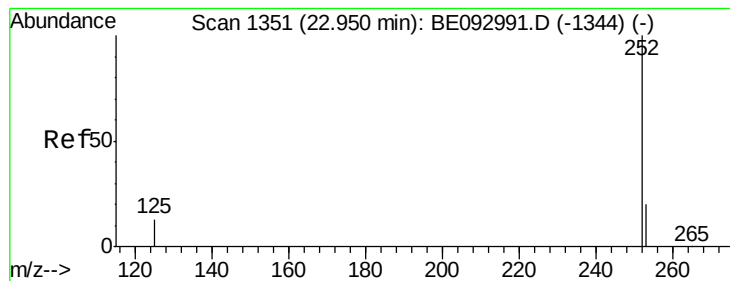
260 27.3 21.0 31.4

265 30.8 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.33 ng

RT: 22.95 min Scan# 1350

Delta R.T. -0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

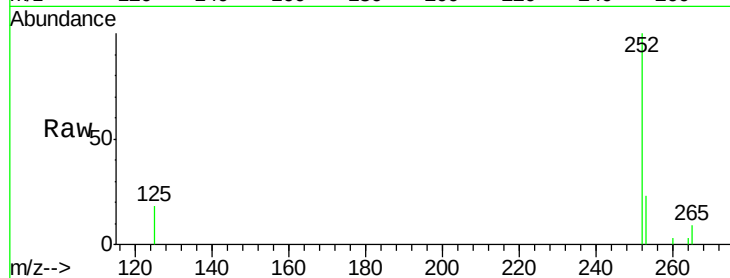
Tgt Ion:252 Resp: 3007

Ion Ratio Lower Upper

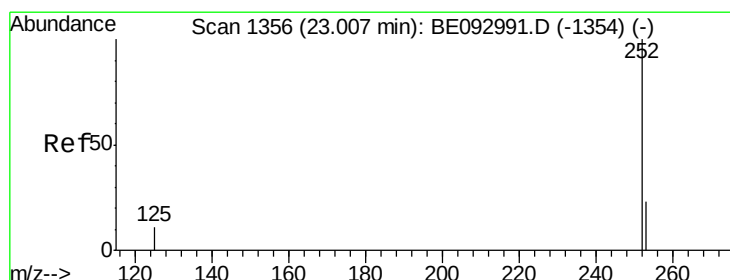
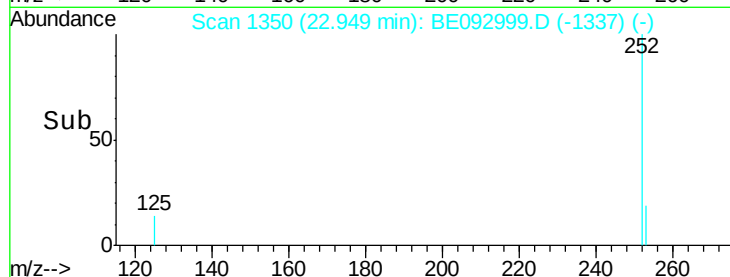
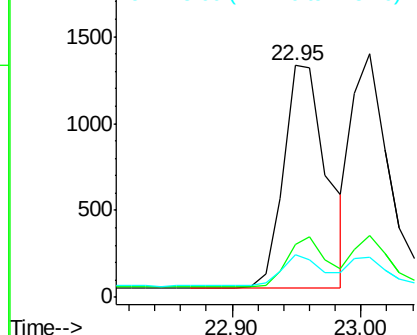
252 100

253 23.0 18.5 27.7

125 18.4 13.4 20.0



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



#36

Benzo(k)fluoranthene

Concen: 0.29 ng

RT: 23.01 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

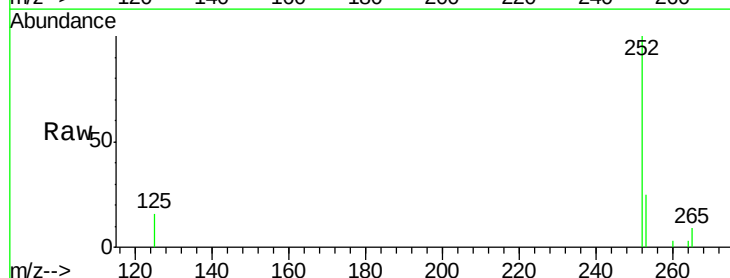
Tgt Ion:252 Resp: 2688

Ion Ratio Lower Upper

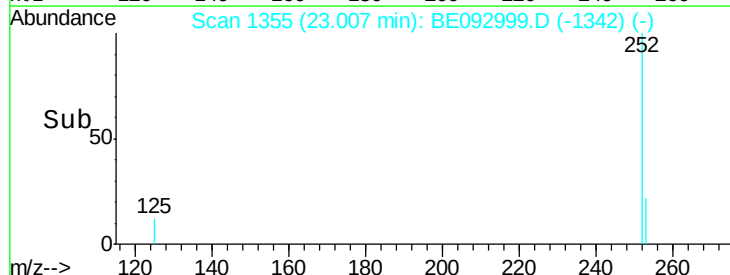
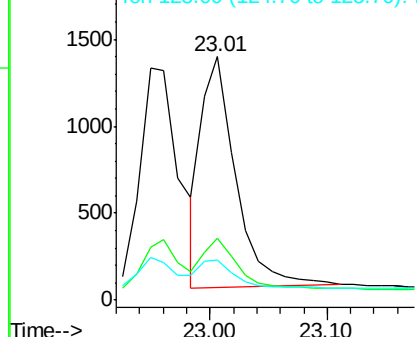
252 100

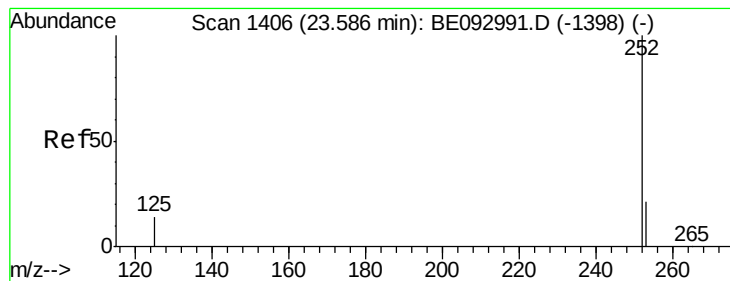
253 25.4 20.3 30.5

125 16.3 12.2 18.4



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





#37

Benzo(a)pyrene

Concen: 0.29 ng

RT: 23.59 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

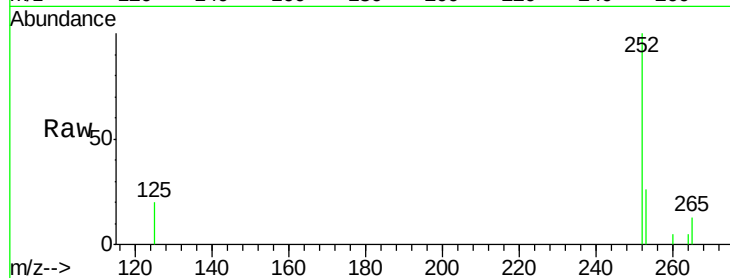
Tgt Ion:252 Resp: 2353

Ion Ratio Lower Upper

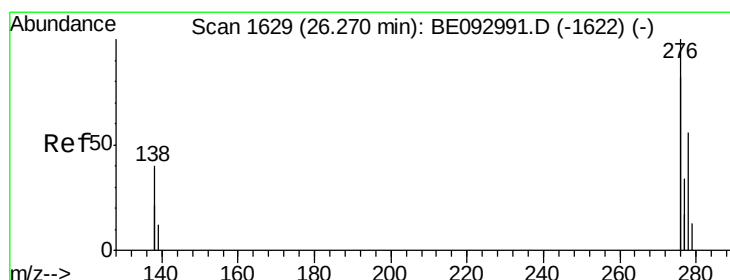
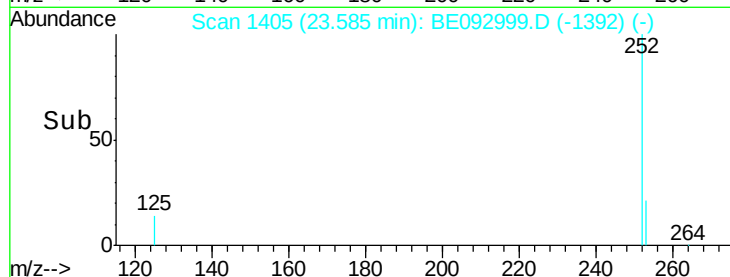
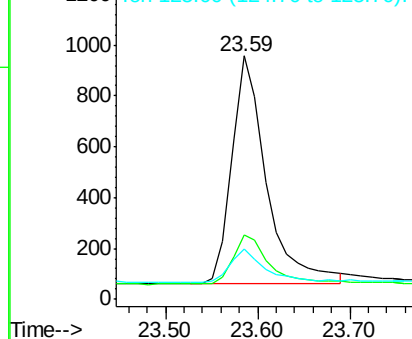
252 100

253 26.2 19.9 29.9

125 20.5 14.6 21.8



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

Dibenzo(a,h)anthracene

Concen: 0.31 ng

RT: 26.27 min Scan# 1628

Delta R.T. 0.02 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

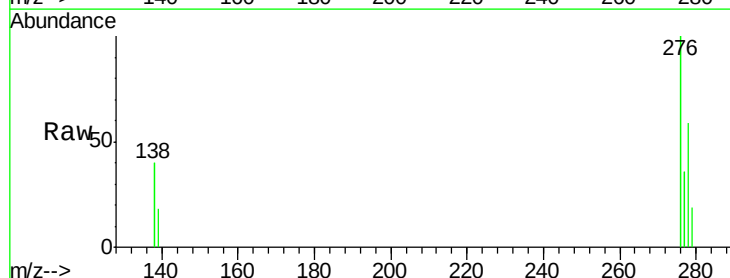
Tgt Ion:278 Resp: 2247

Ion Ratio Lower Upper

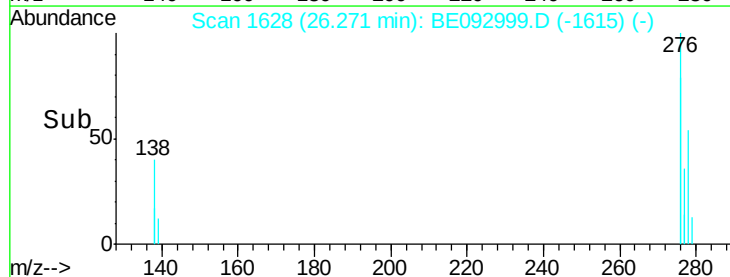
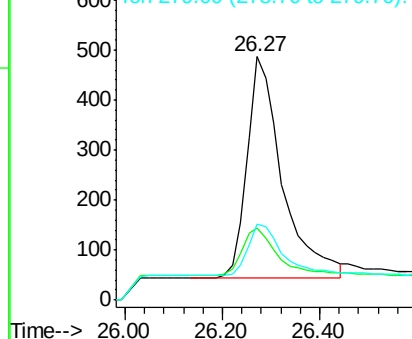
278 100

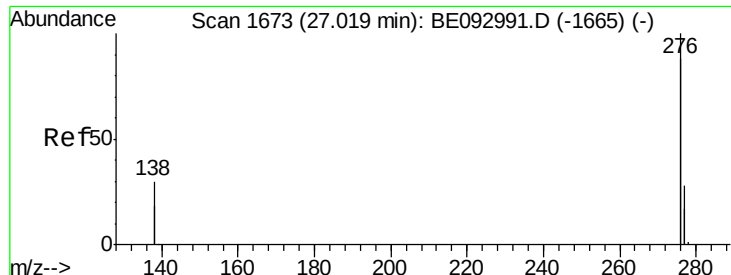
139 29.6 21.4 32.0

279 31.2 22.2 33.2



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





#39

Benzo(g,h,i)perylene

Concen: 0.33 ng

RT: 27.02 min Scan# 1672

Delta R.T. 0.02 min

Lab File: BE092999.D

Acq: 11 May 2017 16:54

Instrument :

BNA_E

ClientSampleId :

PB98857BS

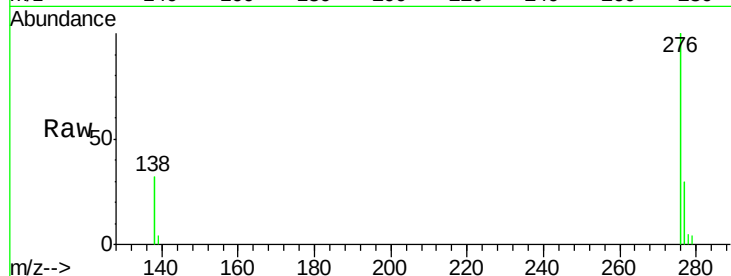
Tgt Ion: 276 Resp: 10778

Ion Ratio Lower Upper

276 100

277 29.5 21.2 31.8

138 31.9 24.5 36.7



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

