

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022618\
 Data File : BE095692.D
 Acq On : 26 Feb 2018 17:07
 Operator : SJ/JU
 Sample : PB106832BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB106832BS

Quant Time: Feb 26 17:55:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1495	0.40	ng	-0.01
7) Naphthalene-d8	11.26	136	5305	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	2644	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	5933	0.40	ng	0.01
27) Chrysene-d12	21.79	240	6830	0.40	ng	0.00
34) Perylene-d12	24.43	264	6394	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	1131	0.29	ng	0.00
5) Phenol-d6	7.55	99	1448	0.26	ng	0.00
8) Nitrobenzene-d5	9.60	82	1463	0.27	ng	-0.02
11) 2-Methylnaphthalene-d10	12.80	152	2250	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	215	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	3163	0.27	ng	0.00
25) Fluoranthene-d10	19.69	212	22179	0.29	ng	0.00
29) Terphenyl-d14	20.25	244	3482	0.26	ng	0.00

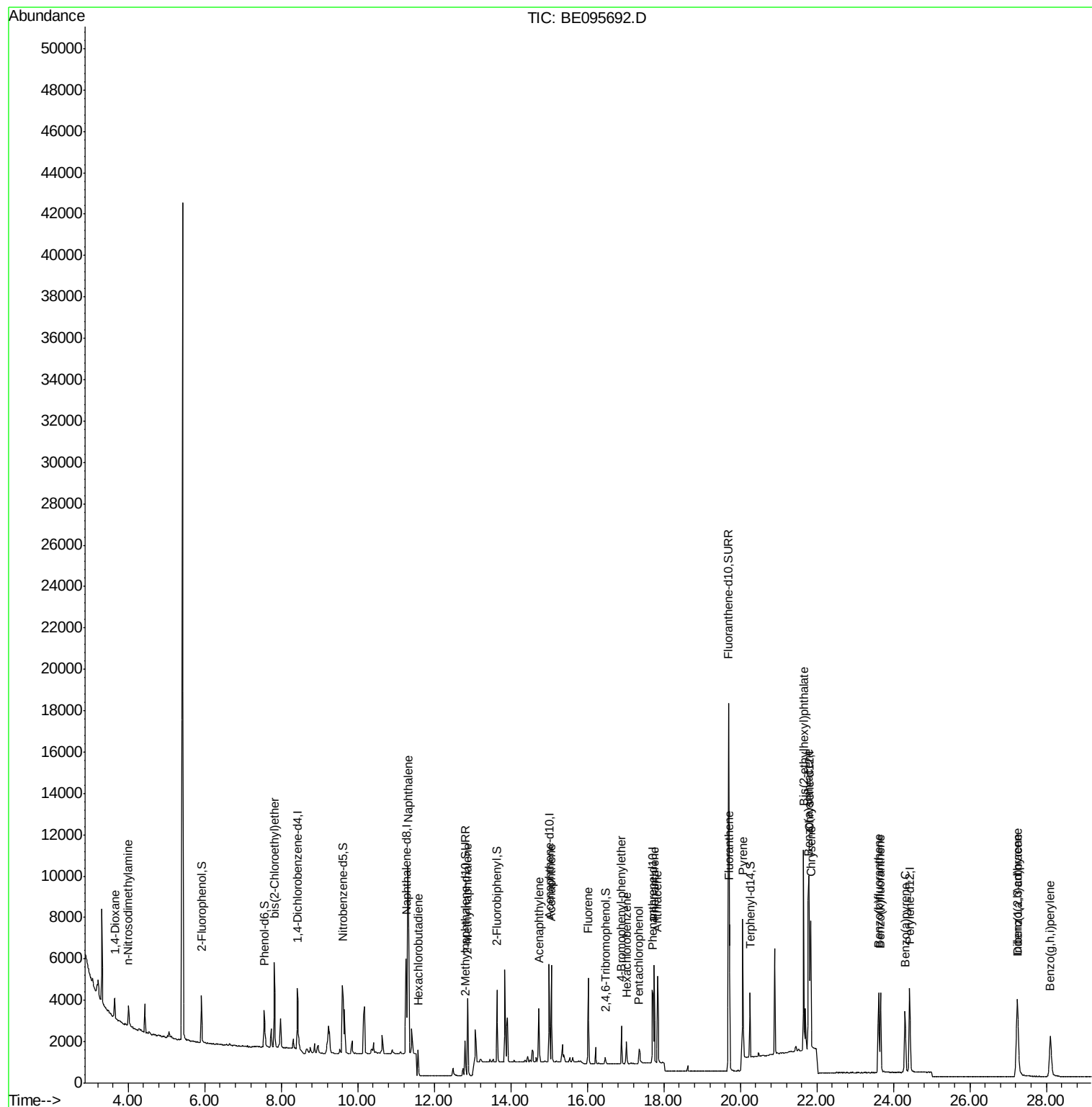
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.65	88	567	0.241	ng	# 1
3) n-Nitrosodimethylamine	3.99	42	791	0.271	ng	# 82
6) bis(2-Chloroethyl)ether	7.82	93	1432	0.255	ng	94
9) Naphthalene	11.31	128	15961	0.261	ng	99
10) Hexachlorobutadiene	11.57	225	944	0.265	ng	97
12) 2-Methylnaphthalene	12.88	142	2604	0.247	ng	99
16) Acenaphthylene	14.74	152	3600	0.242	ng	99
17) Acenaphthene	15.06	154	2270	0.243	ng	96
18) Fluorene	16.02	166	2844	0.246	ng	# 79
20) 4-Bromophenyl-phenylether	16.89	248	907	0.244	ng	# 70
21) Hexachlorobenzene	17.03	284	932	0.242	ng	# 81
22) Pentachlorophenol	17.36	266	456	0.501	ng	# 75
23) Phenanthrene	17.74	178	4901	0.264	ng	98
24) Anthracene	17.83	178	4468	0.262	ng	96
26) Fluoranthene	19.71	202	6175	0.271	ng	97
28) Pyrene	20.06	202	6509	0.233	ng	96
30) Benzo(a)anthracene	21.78	228	5891	0.264	ng	99
31) Chrysene	21.84	228	5901	0.266	ng	99
32) Bis(2-ethylhexyl)phthalate	21.65	149	10974	0.278	ng	99
33) Indeno(1,2,3-cd)pyrene	27.23	276	5915	0.275	ng	94
35) Benzo(b)fluoranthene	23.61	252	5651	0.248	ng	# 91
36) Benzo(k)fluoranthene	23.66	252	5826	0.257	ng	# 93
37) Benzo(a)pyrene	24.30	252	5346	0.260	ng	# 94
38) Dibenzo(a,h)anthracene	27.25	278	4715	0.258	ng	96
39) Benzo(g,h,i)perylene	28.10	276	5176	0.264	ng	# 90

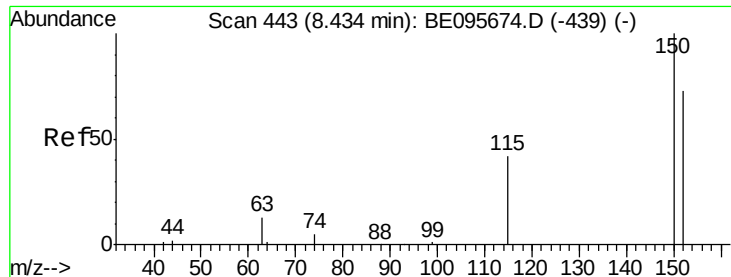
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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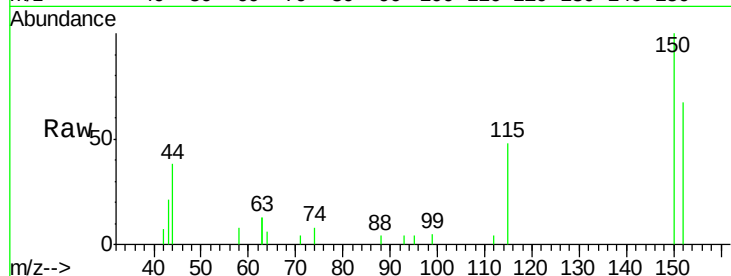


#1

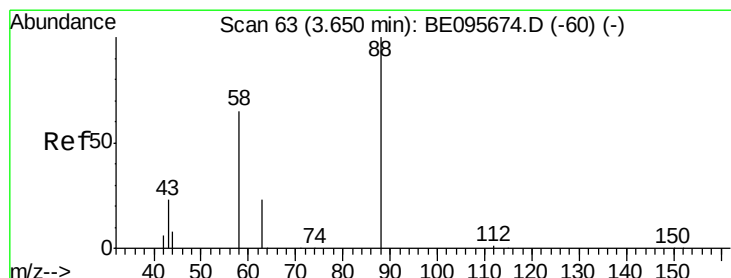
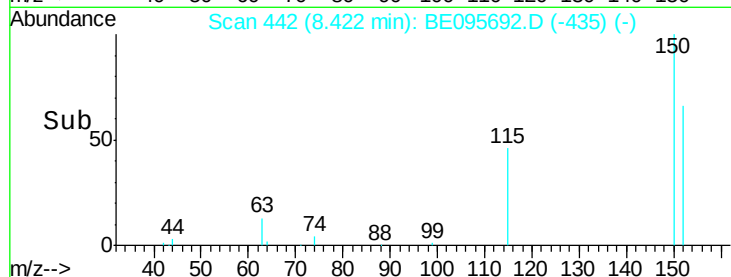
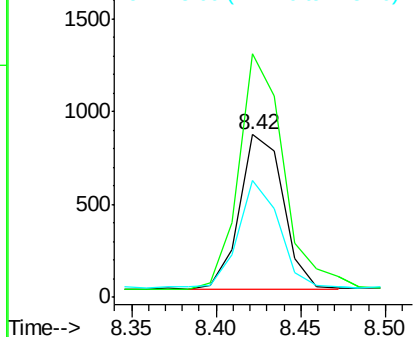
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 442
Delta R.T. -0.01 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tot Ion:152 Resp: 1495
Ion Ratio Lower Upper
152 100
150 149.4 117.2 175.8
115 71.6 57.0 85.6



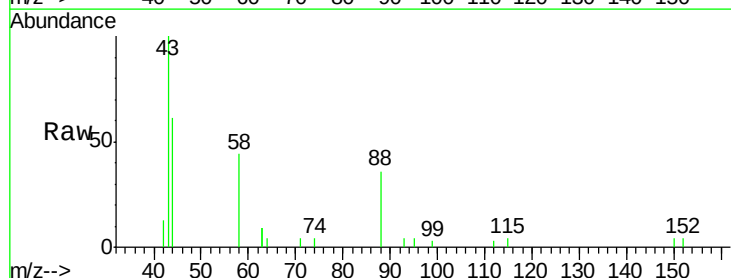
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



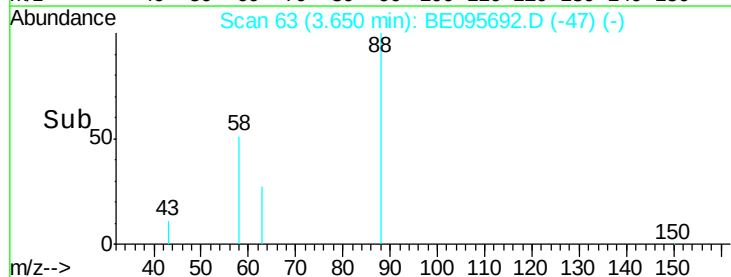
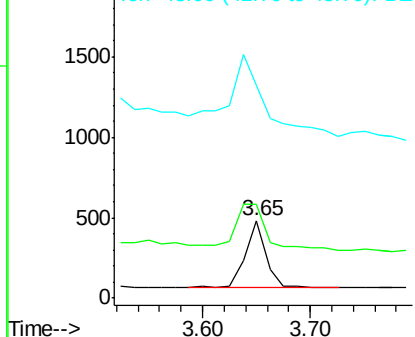
#2

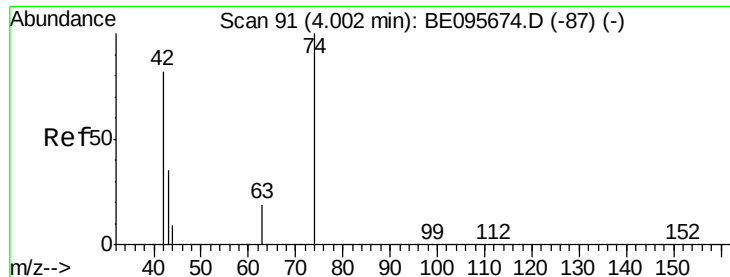
1,4-Dioxane
Concen: 0.241 ng
RT: 3.65 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion: 88 Resp: 567
Ion Ratio Lower Upper
88 100
58 102.5 63.2 94.8#
43 207.2 41.2 61.8#



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: 0.271 ng

RT: 3.99 min Scan# 90

Delta R.T. -0.01 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

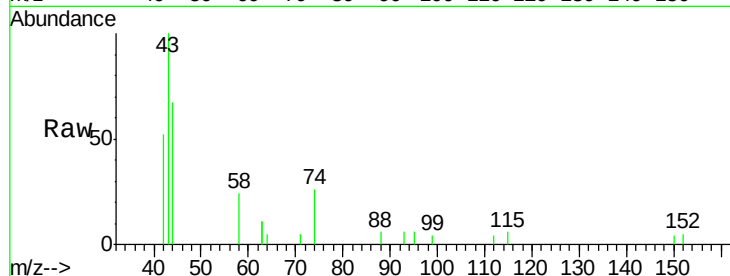
Tot Ion: 42 Resp: 791

Ion Ratio Lower Upper

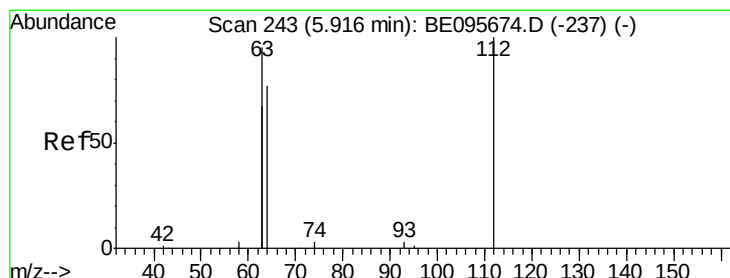
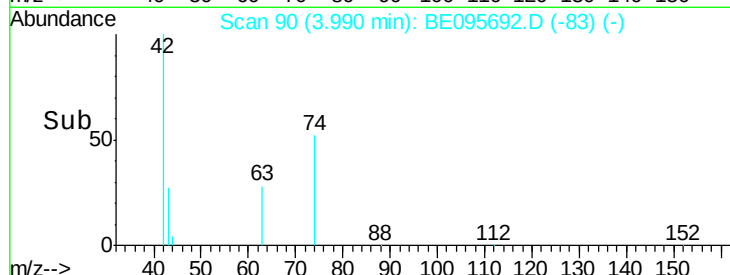
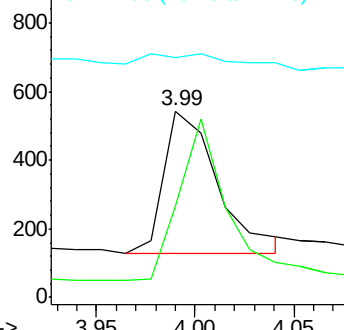
42 100

74 99.0 96.0 144.0

44 8.7 12.0 18.0#



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



#4

2-Fluorophenol

Concen: 0.287 ng

RT: 5.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

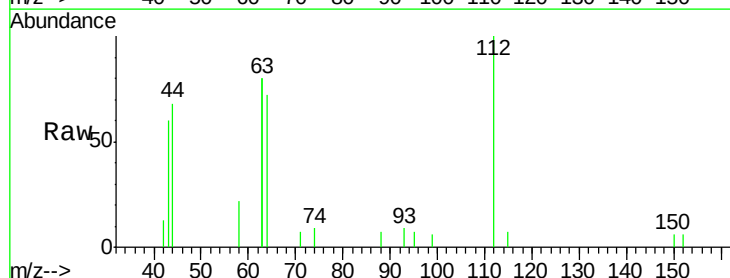
Tgt Ion: 112 Resp: 1131

Ion Ratio Lower Upper

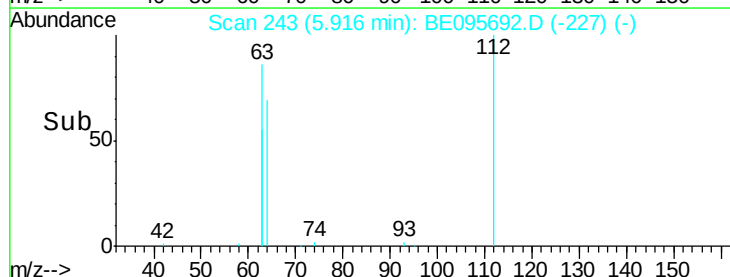
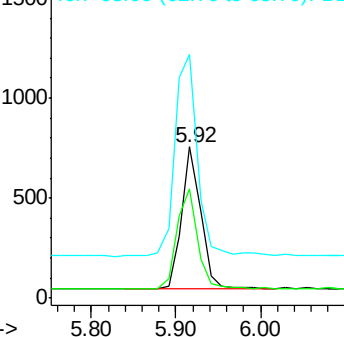
112 100

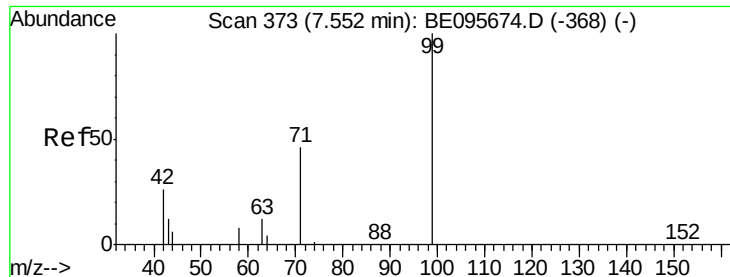
64 74.1 60.1 90.1

63 168.9 116.8 175.2



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: 0.265 ng

RT: 7.55 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

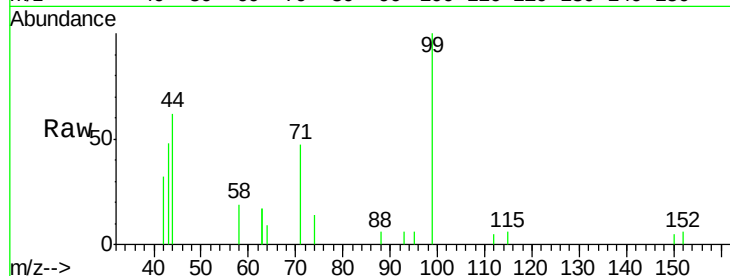
Tot Ion: 99 Resp: 1448

Ion Ratio Lower Upper

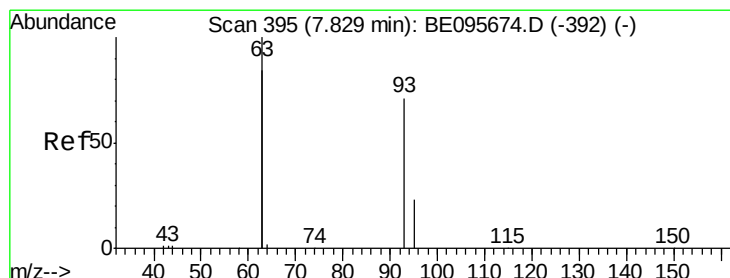
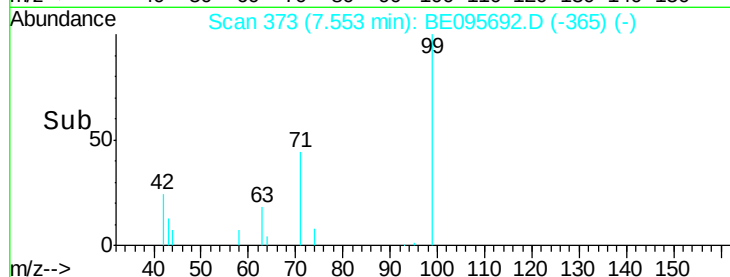
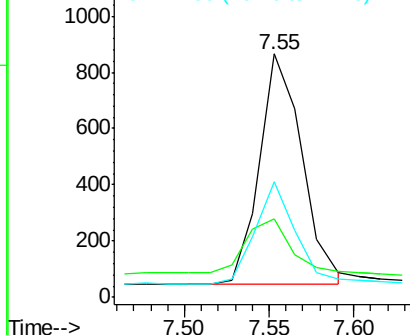
99 100

42 25.7 20.2 30.2

71 41.4 28.4 42.6



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: 0.255 ng

RT: 7.82 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

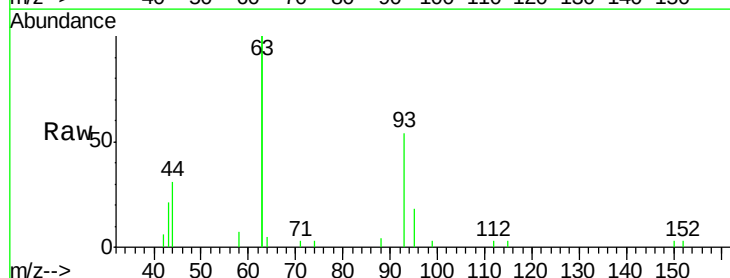
Tgt Ion: 93 Resp: 1432

Ion Ratio Lower Upper

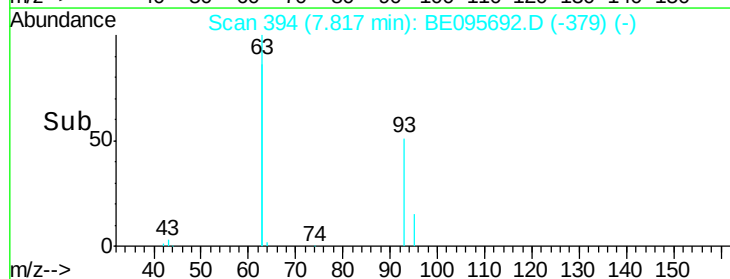
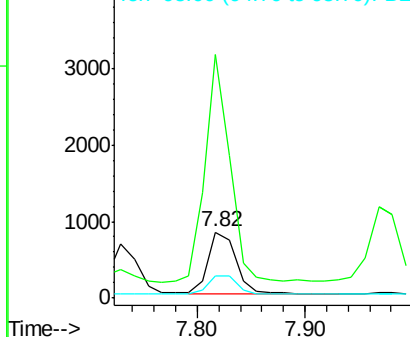
93 100

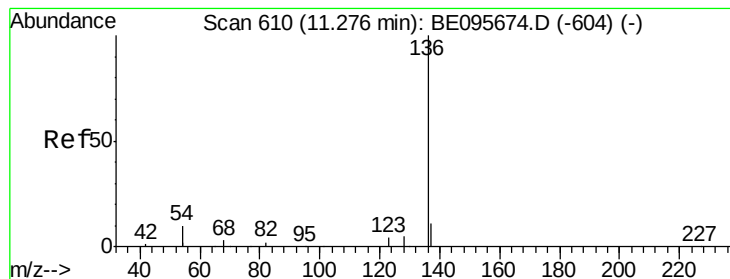
63 329.3 275.3 412.9

95 32.4 25.2 37.8



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: 0.400 ng

RT: 11.26 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

Tot Ion:136 Resp: 5305

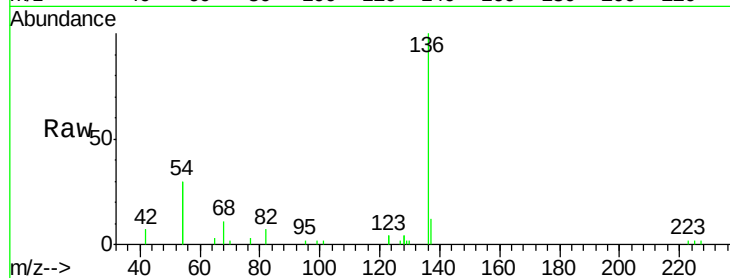
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 59.4 29.1 43.7#

68 10.6 6.2 9.2#

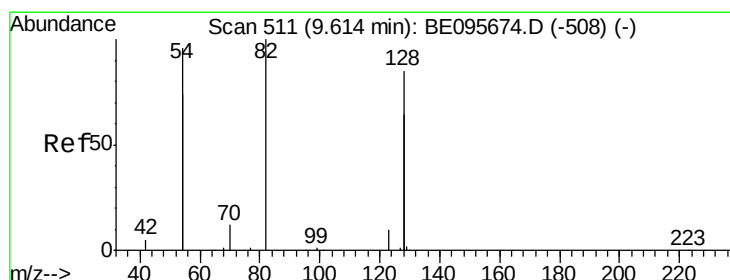
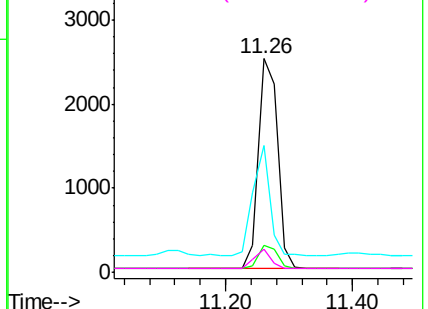
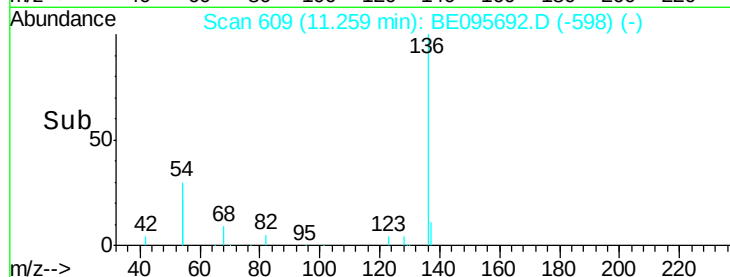


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.268 ng

RT: 9.60 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

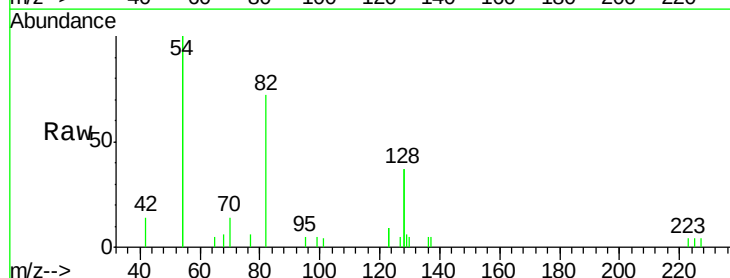
Tgt Ion: 82 Resp: 1463

Ion Ratio Lower Upper

82 100

128 102.7 150.0 225.0#

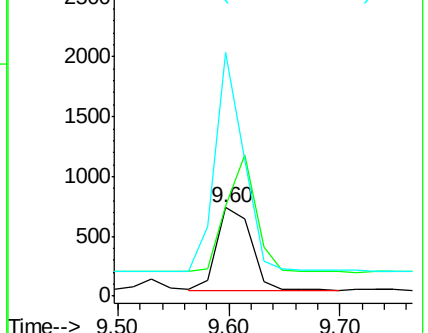
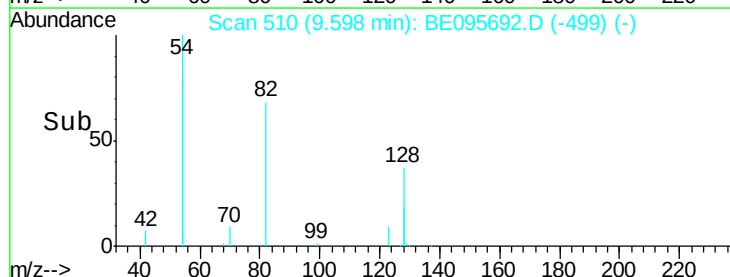
54 275.9 154.2 231.4#

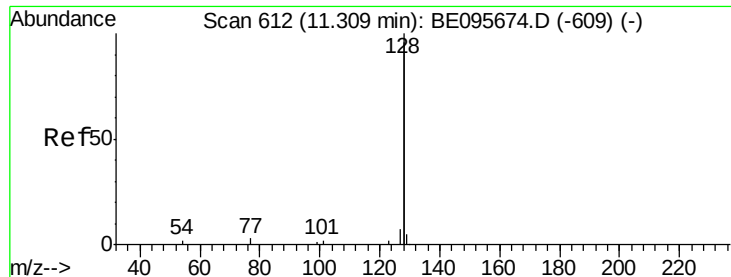


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.261 ng

RT: 11.31 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampled :

PB106832BS

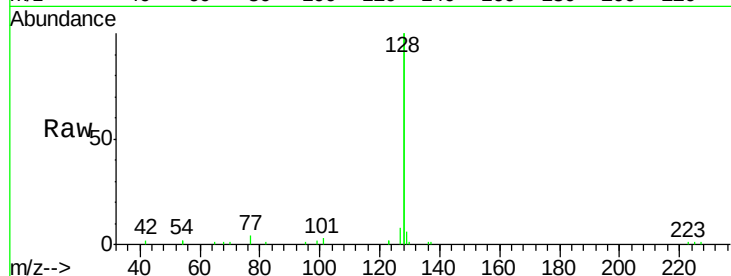
Tot Ion:128 Resp: 15961

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

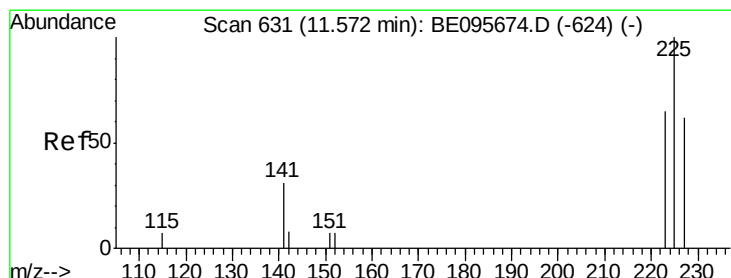
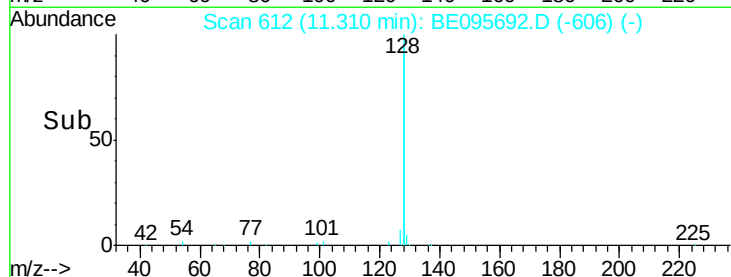
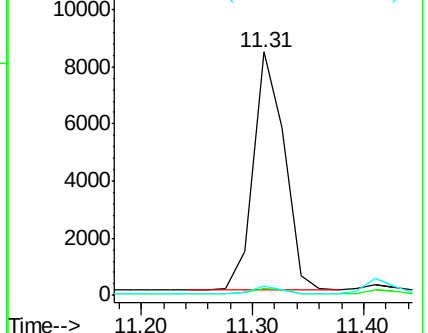
127 3.8 2.8 4.2



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: 0.265 ng

RT: 11.57 min Scan# 631

Delta R.T. 0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

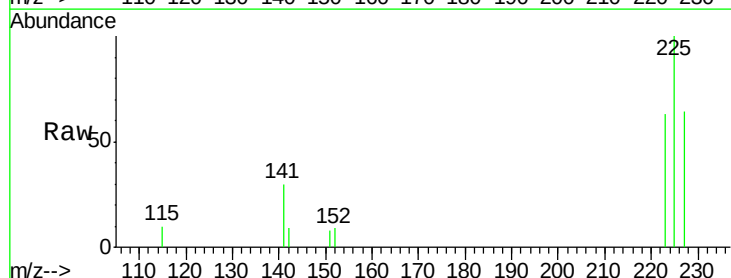
Tgt Ion:225 Resp: 944

Ion Ratio Lower Upper

225 100

223 62.0 53.0 79.6

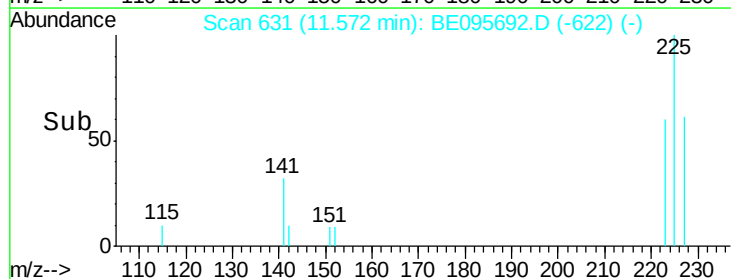
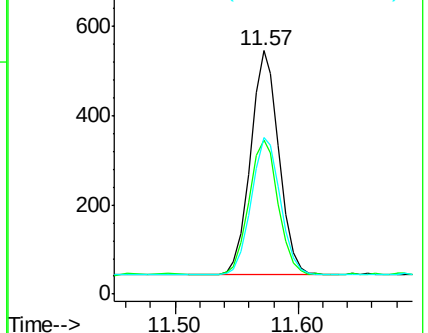
227 63.9 51.4 77.2

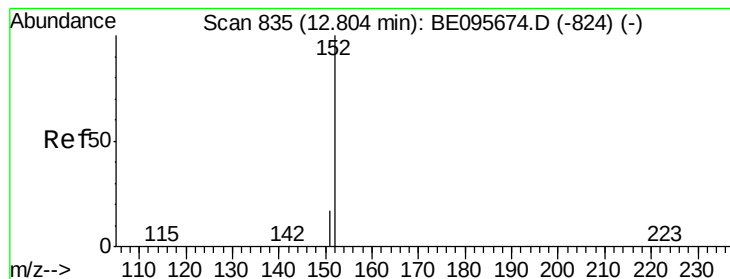


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.254 ng

RT: 12.80 min Scan# 835

Delta R.T. 0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

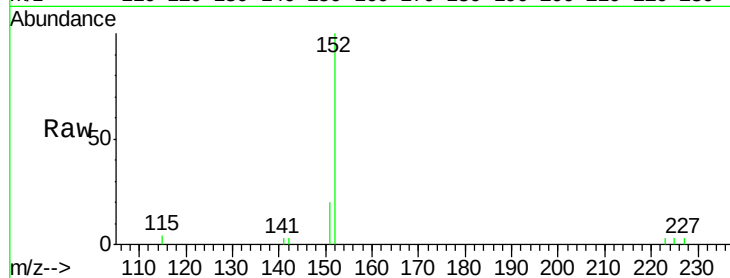
PB106832BS

Tot Ion:152 Resp: 2250

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1500

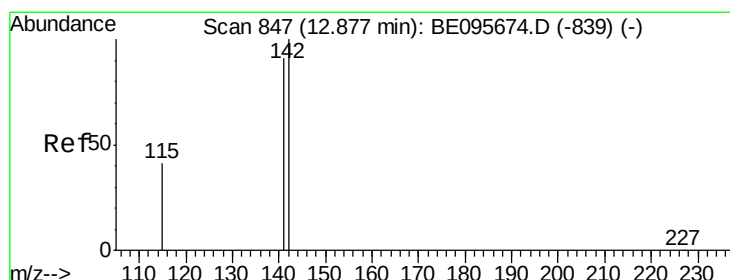
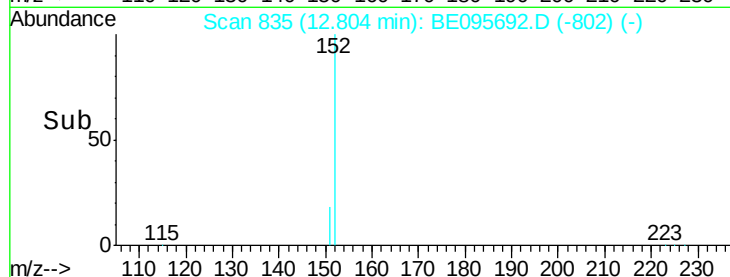
1000

500

0

12.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.247 ng

RT: 12.88 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

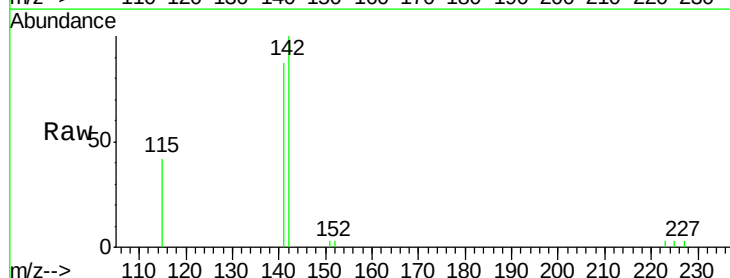
Tgt Ion:142 Resp: 2604

Ion Ratio Lower Upper

142 100

141 87.4 70.4 105.6

115 41.6 31.7 47.5



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

2000

1500

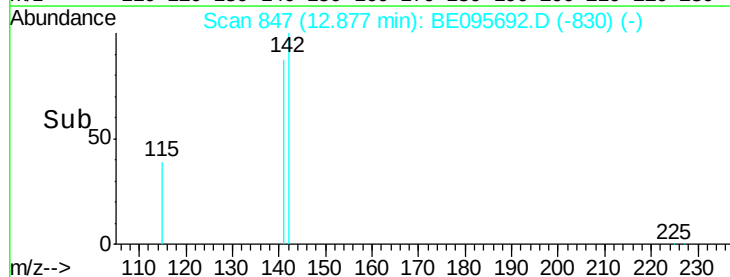
1000

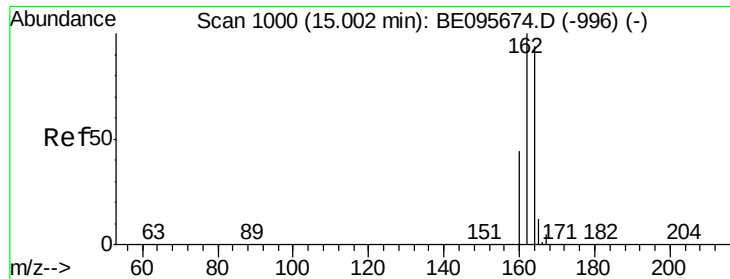
500

0

12.88

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

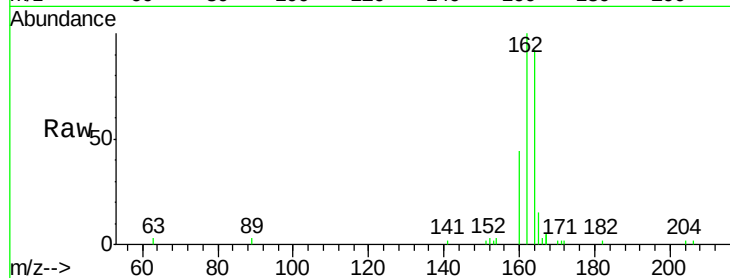
Tot Ion:164 Resp: 2644

Ion Ratio Lower Upper

164 100

162 108.1 83.1 124.7

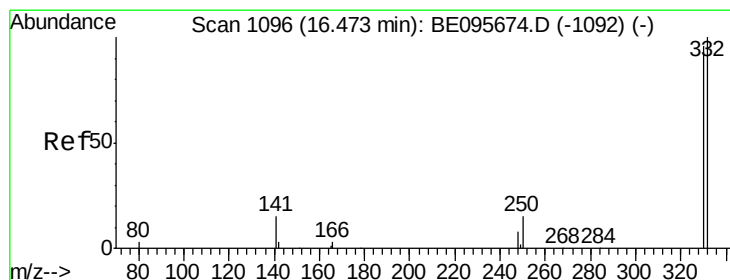
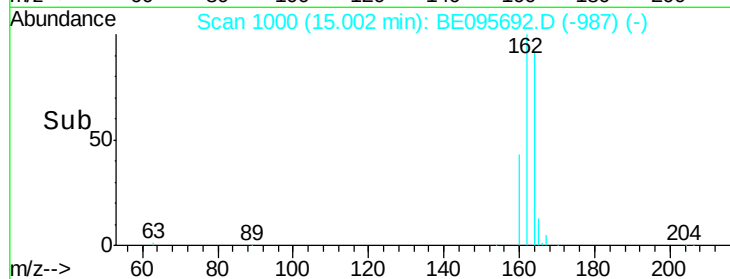
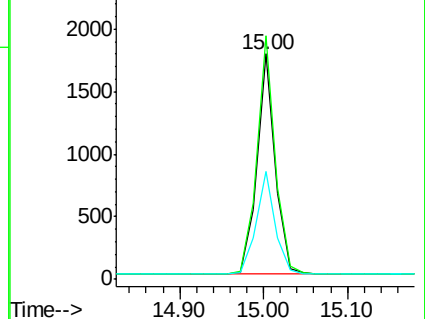
160 48.0 37.1 55.7



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: 0.285 ng

RT: 16.47 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

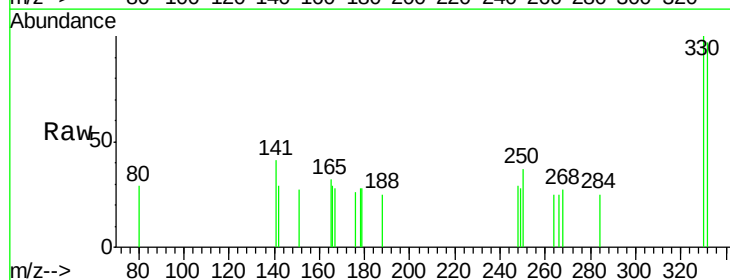
Tgt Ion:330 Resp: 215

Ion Ratio Lower Upper

330 100

332 95.3 152.7 229.1#

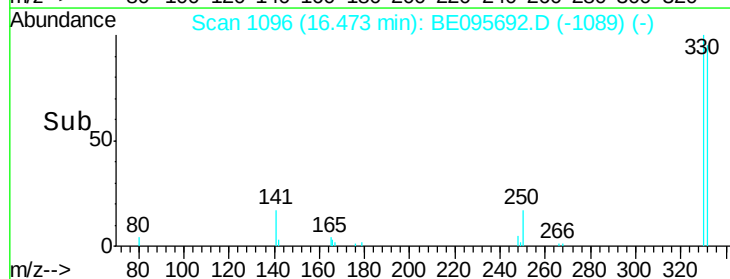
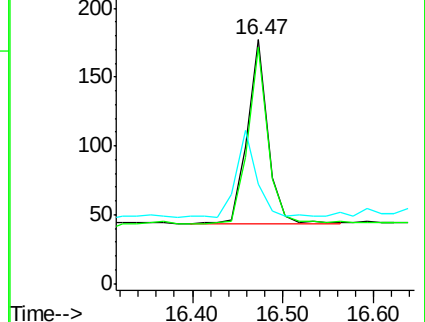
141 43.7 33.7 50.5

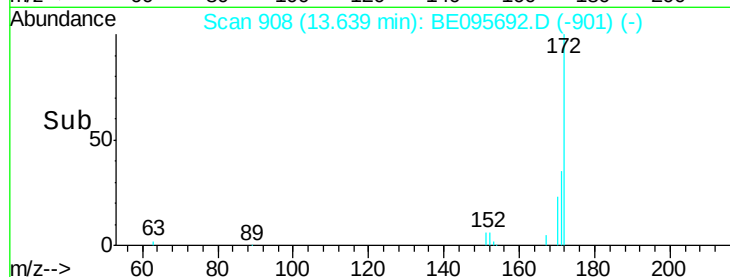
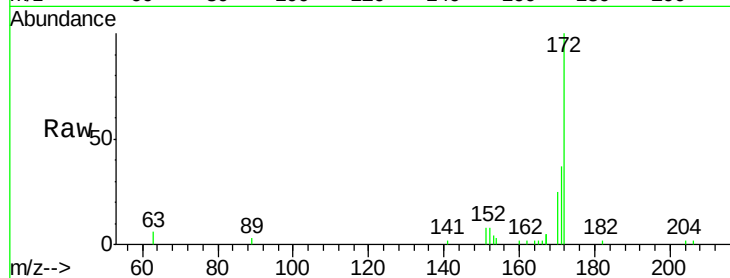
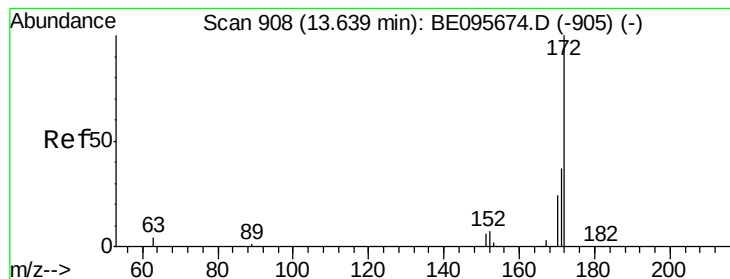


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.268 ng

RT: 13.64 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

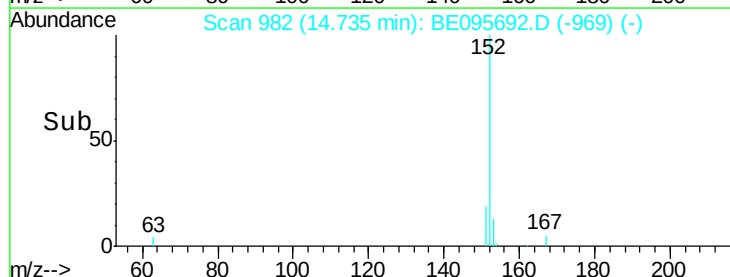
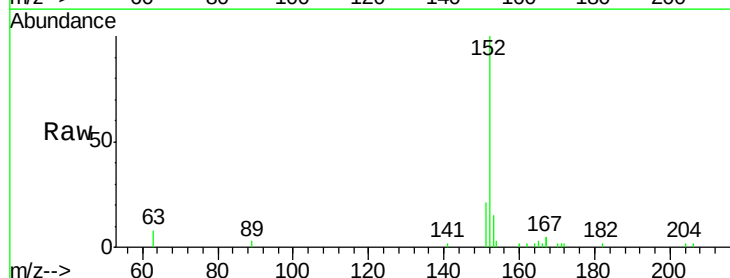
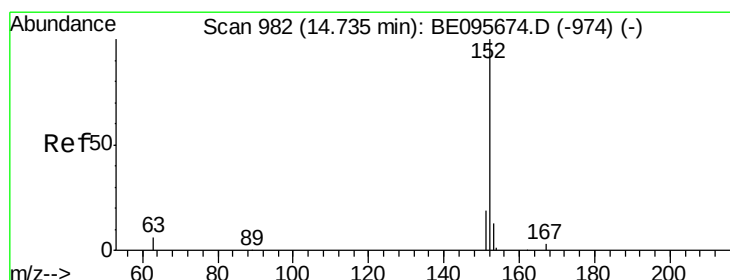
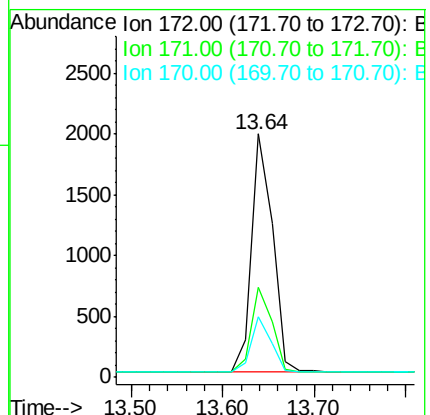
BNA_E

ClientSampleId :

PB106832BS

Tot Ion:172 Resp: 3163

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.9	44.9
170	25.0	21.8	32.8



#16

Acenaphthylene

Concen: 0.242 ng

RT: 14.74 min Scan# 982

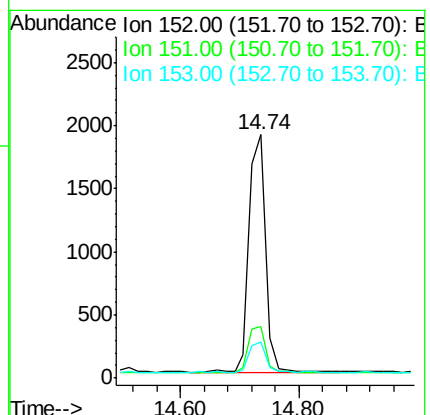
Delta R.T. -0.00 min

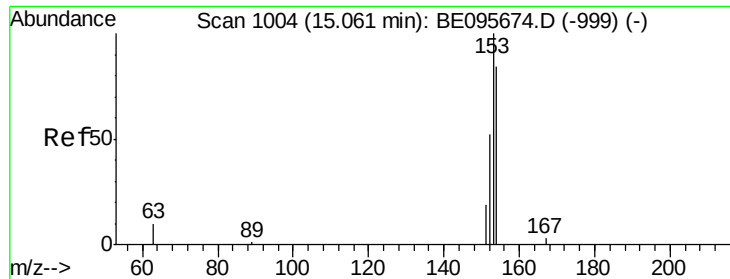
Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Tgt Ion:152 Resp: 3600

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.8	10.5	15.7





#17

Acenaphthene

Concen: 0.243 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

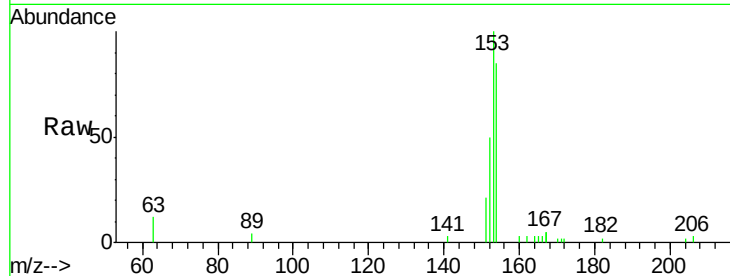
Tot Ion:154 Resp: 2270

Ion Ratio Lower Upper

154 100

153 114.5 89.2 133.8

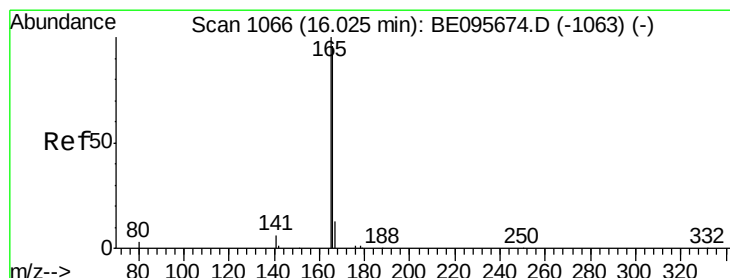
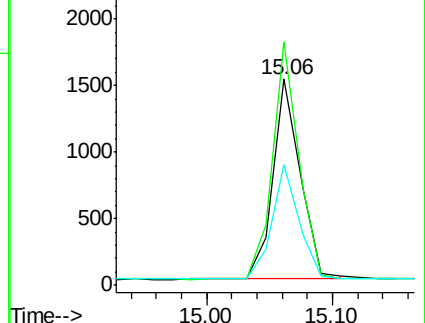
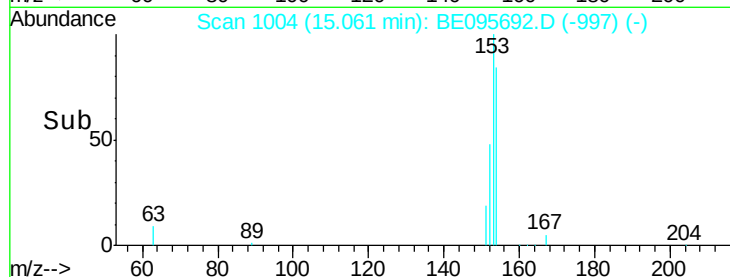
152 56.3 42.0 63.0



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



#18

Fluorene

Concen: 0.246 ng

RT: 16.02 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

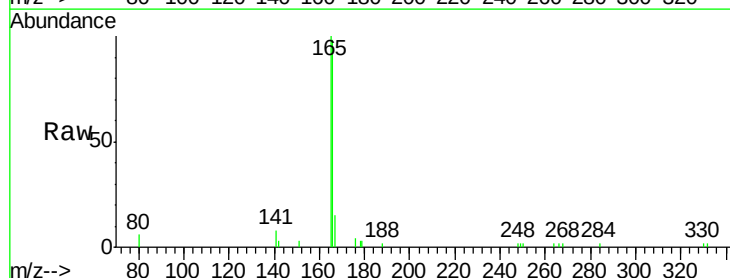
Tgt Ion:166 Resp: 2844

Ion Ratio Lower Upper

166 100

165 99.3 77.8 116.6

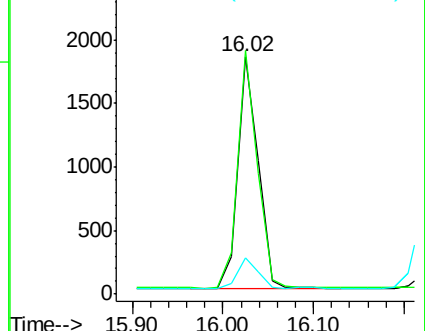
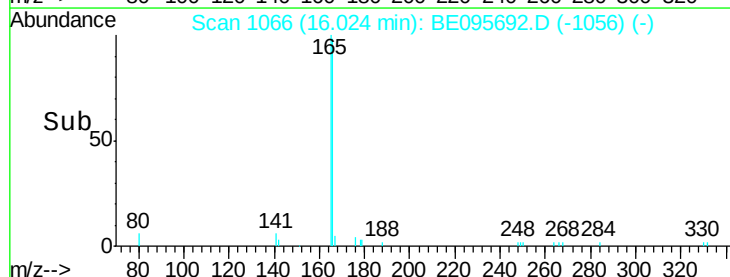
167 13.5 42.4 63.6#

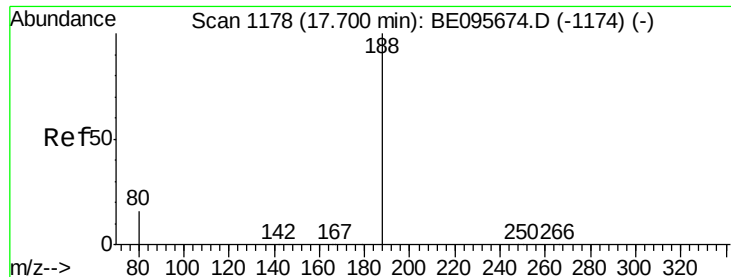


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

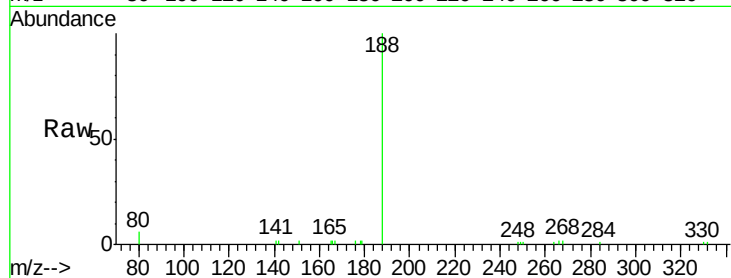
Tot Ion:188 Resp: 5933

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

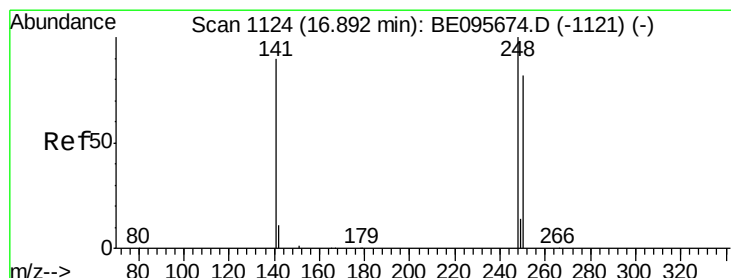
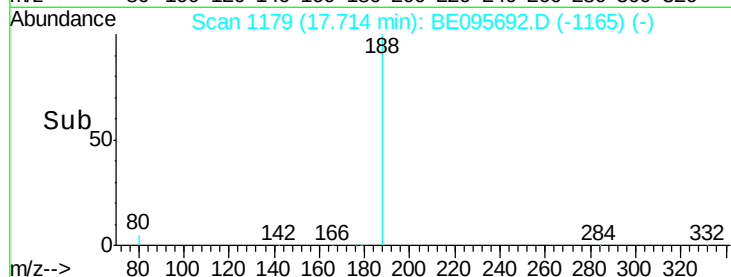
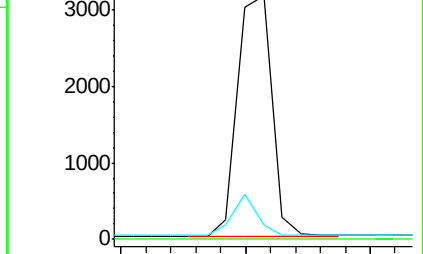
80 6.2 3.6 5.4#



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: 0.244 ng

RT: 16.89 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

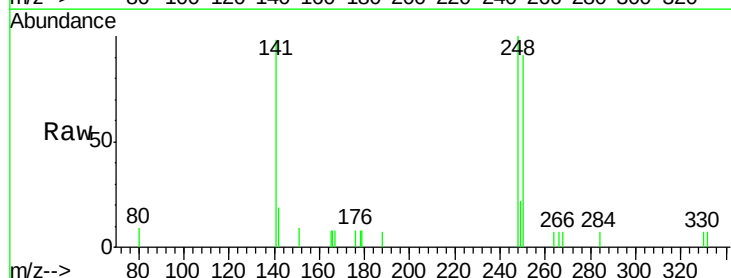
Tgt Ion:248 Resp: 907

Ion Ratio Lower Upper

248 100

250 90.5 62.7 94.1

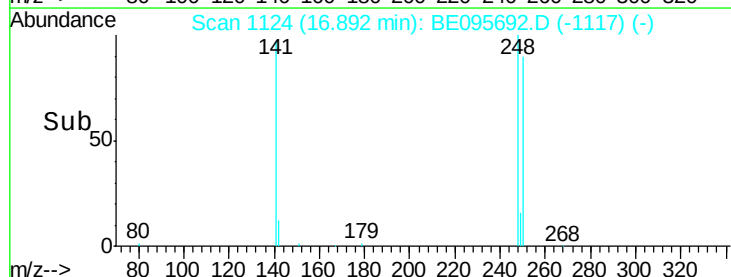
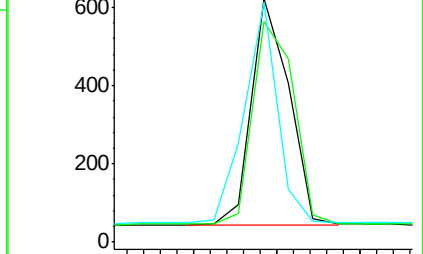
141 98.2 48.2 72.2#

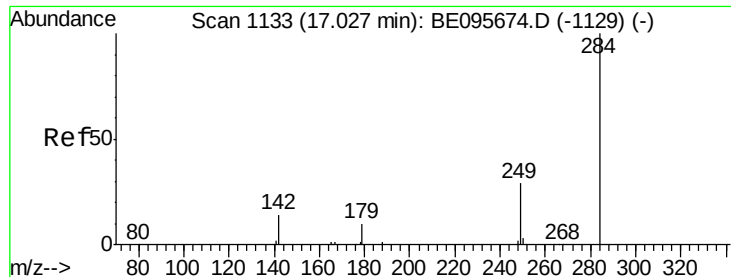


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.242 ng

RT: 17.03 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

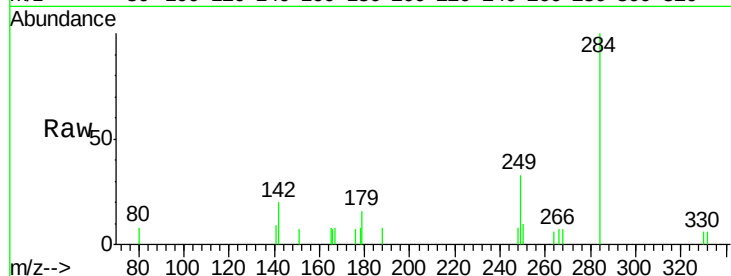
Tot Ion:284 Resp: 932

Ion Ratio Lower Upper

284 100

142 44.1 22.1 33.1#

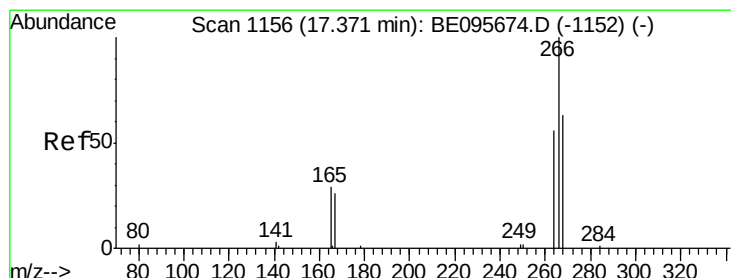
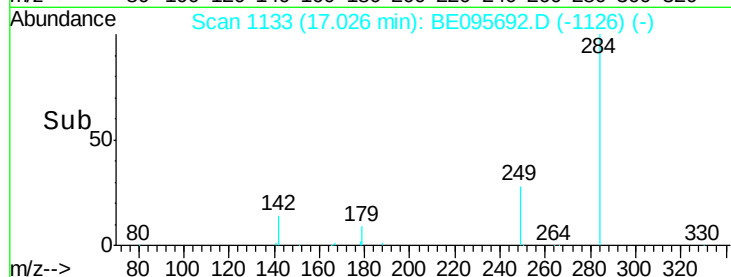
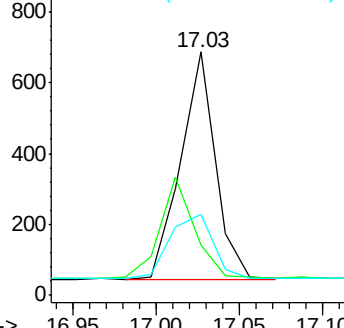
249 36.1 34.8 52.2



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: 0.501 ng

RT: 17.36 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

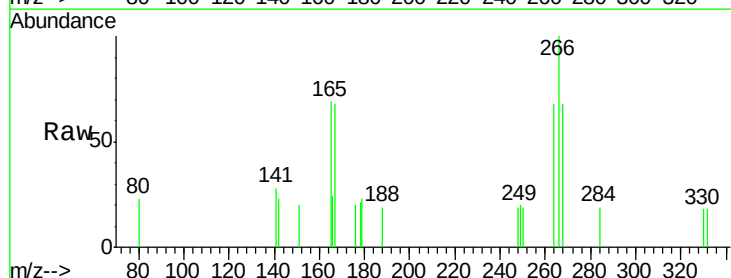
Tgt Ion:266 Resp: 456

Ion Ratio Lower Upper

266 100

264 67.5 72.5 108.7#

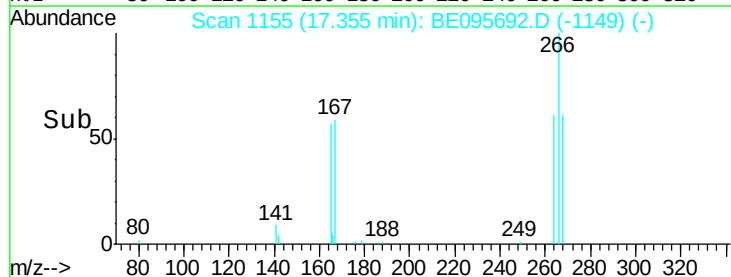
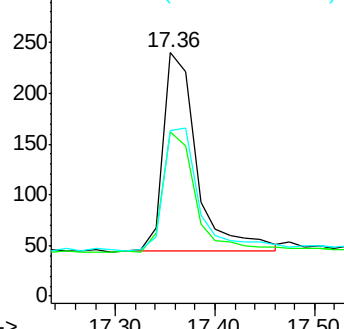
268 67.9 73.8 110.6#

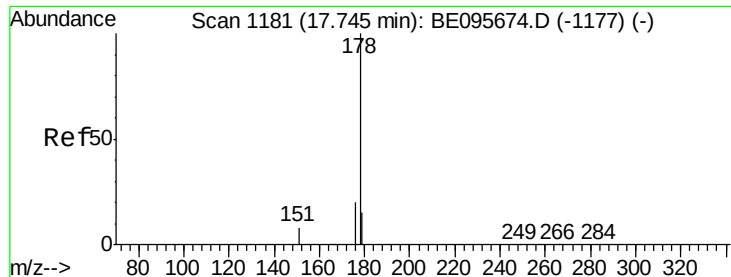


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.264 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

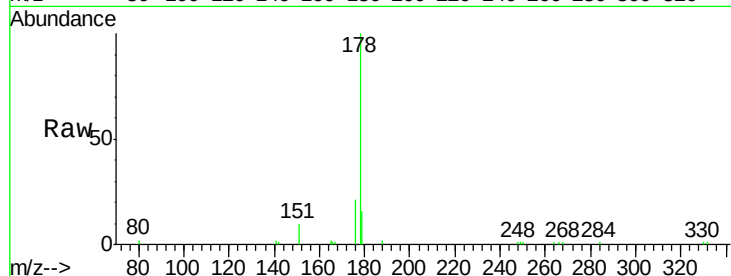
Tot Ion:178 Resp: 4901

Ion Ratio Lower Upper

178 100

176 20.2 15.1 22.7

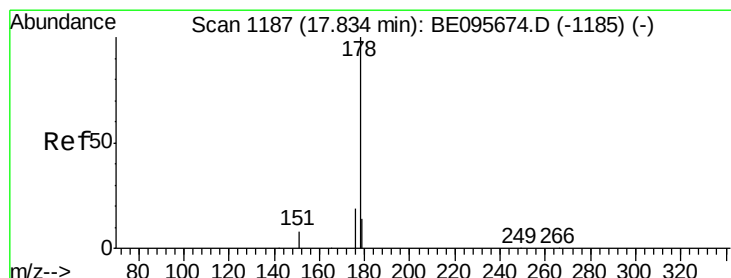
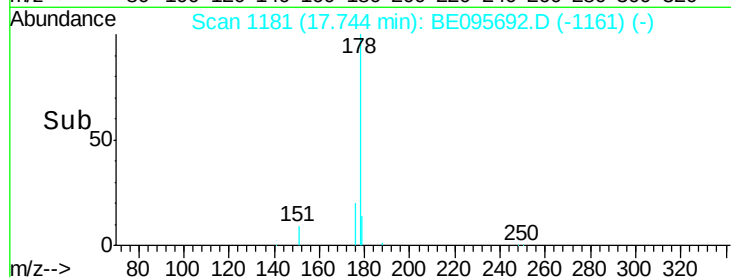
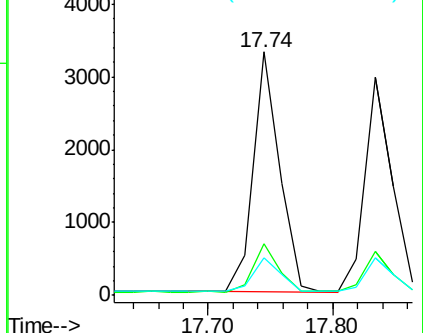
179 15.5 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.262 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

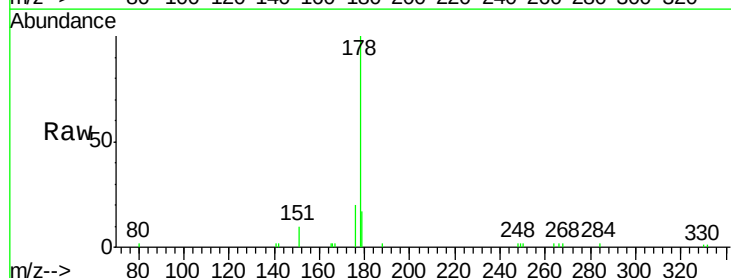
Tgt Ion:178 Resp: 4468

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

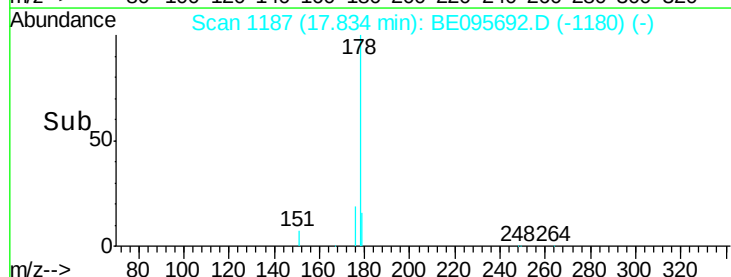
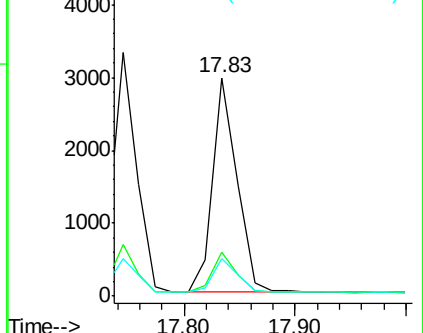
179 15.5 13.0 19.6

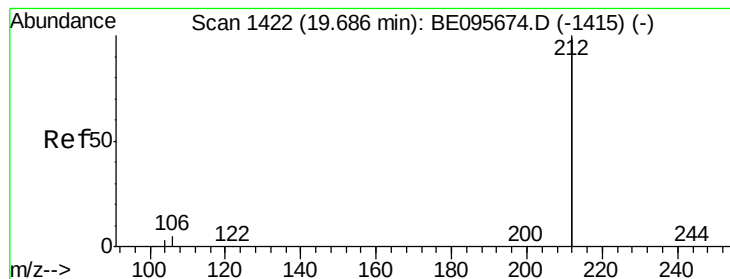


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.286 ng

RT: 19.69 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

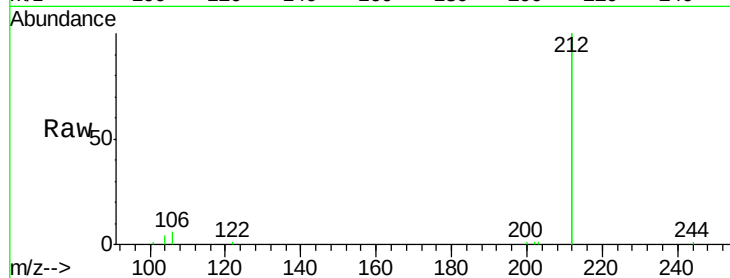
Tot Ion:212 Resp: 22179

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

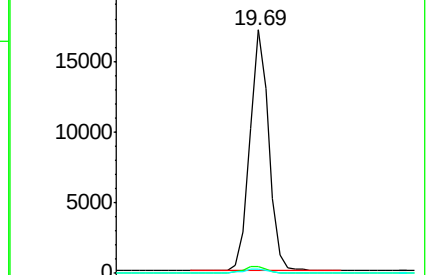
104 1.7 1.6 2.4



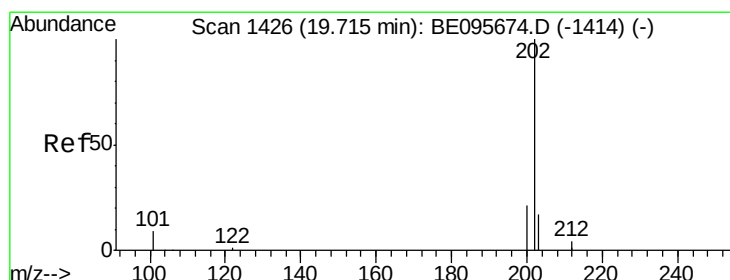
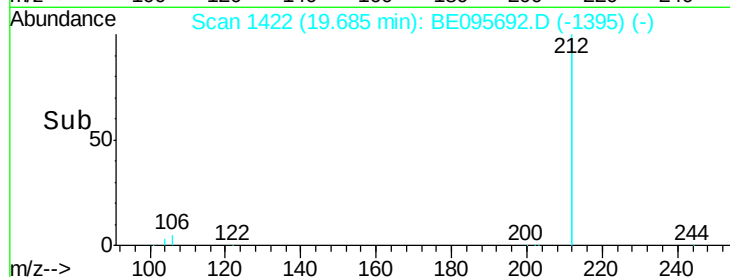
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.271 ng

RT: 19.71 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

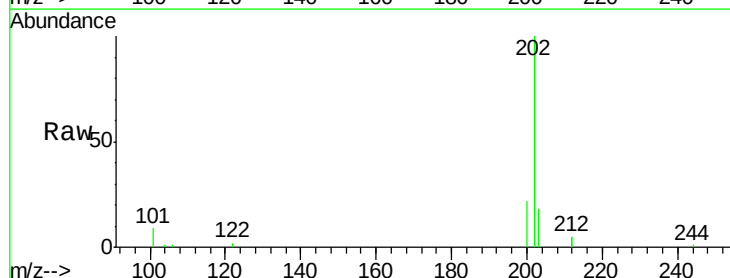
Tgt Ion:202 Resp: 6175

Ion Ratio Lower Upper

202 100

101 10.1 9.8 14.8

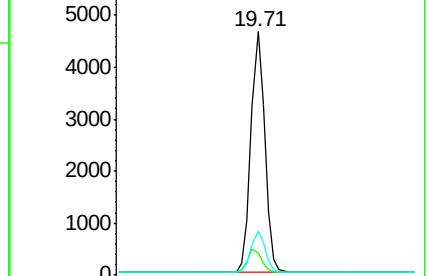
203 17.3 13.7 20.5



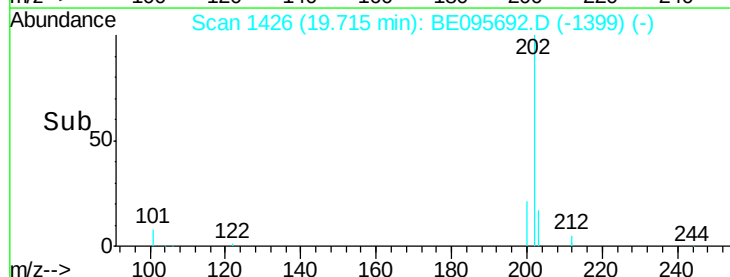
Abundance Ion 202.00 (201.70 to 202.70): E

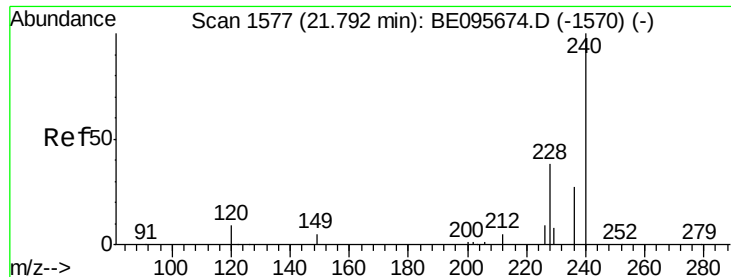
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

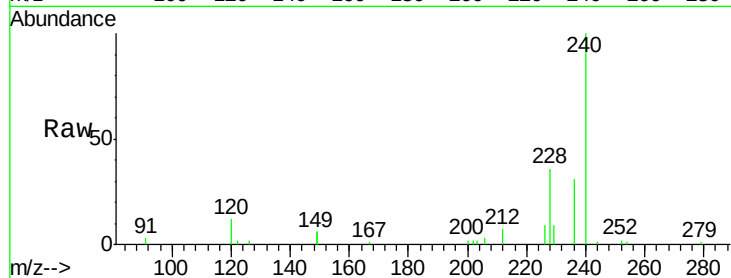
Tot Ion:240 Resp: 6830

Ion Ratio Lower Upper

240 100

120 11.9 5.5 8.3#

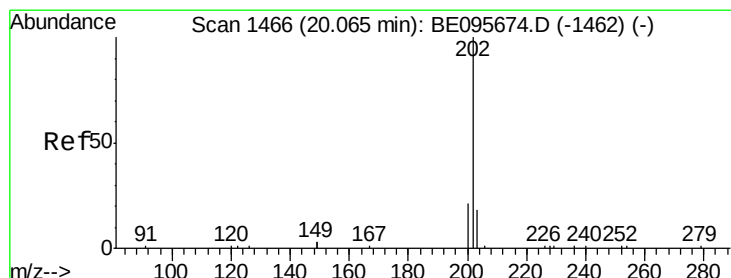
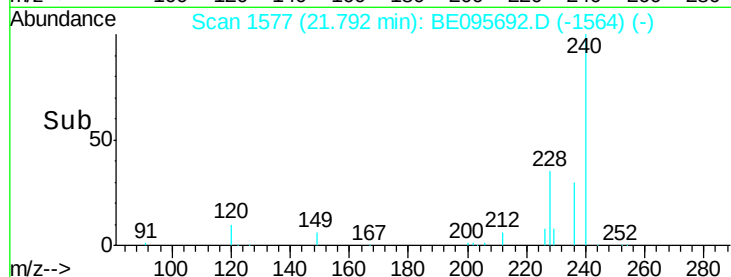
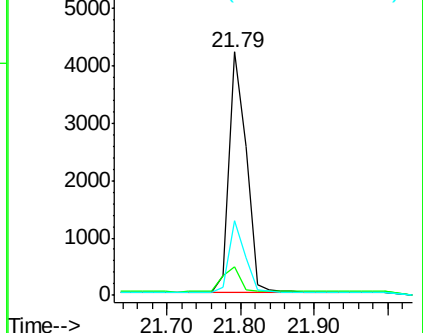
236 30.5 20.7 31.1



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: 0.233 ng

RT: 20.06 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

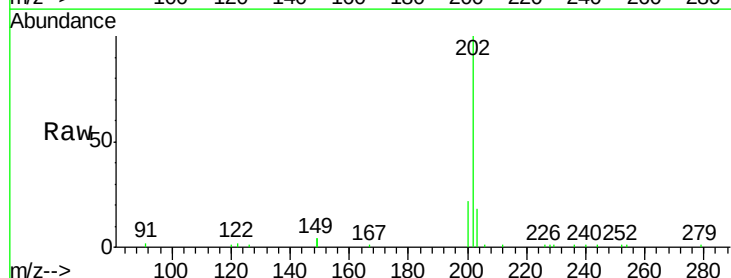
Tgt Ion:202 Resp: 6509

Ion Ratio Lower Upper

202 100

200 23.5 16.6 25.0

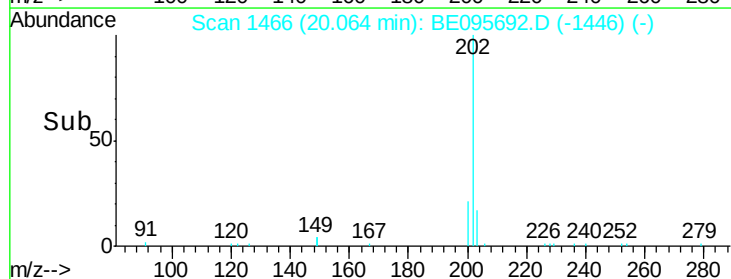
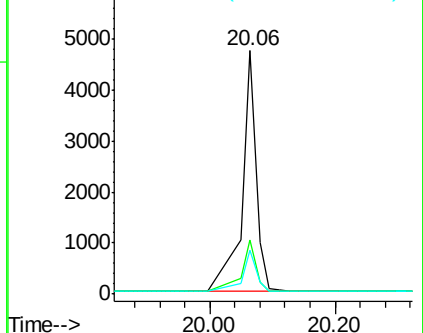
203 18.3 13.8 20.8

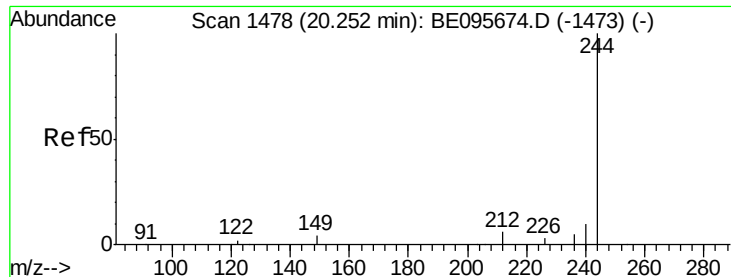


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.256 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

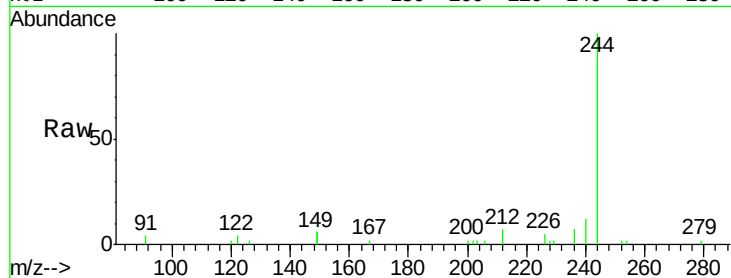
Tot Ion:244 Resp: 3482

Ion Ratio Lower Upper

244 100

212 7.2 25.4 38.0#

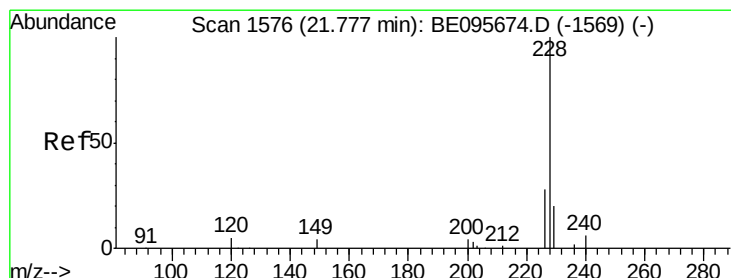
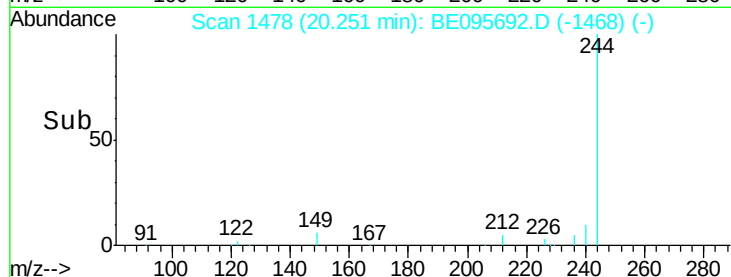
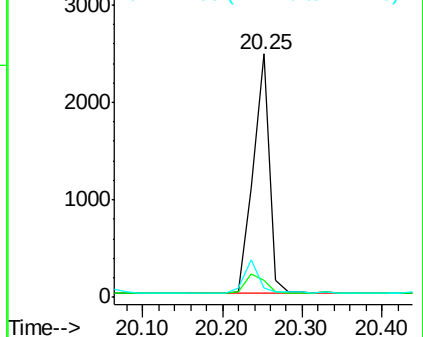
122 4.0 8.1 12.1#



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: 0.264 ng

RT: 21.78 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

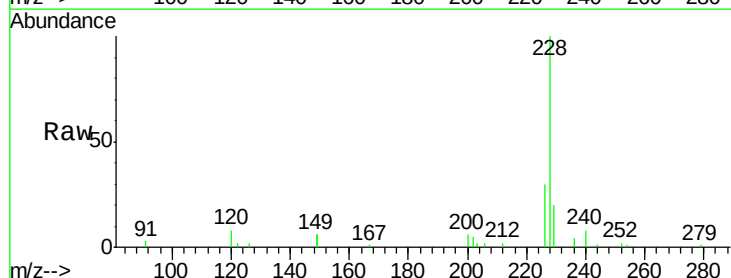
Tgt Ion:228 Resp: 5891

Ion Ratio Lower Upper

228 100

226 29.6 24.0 36.0

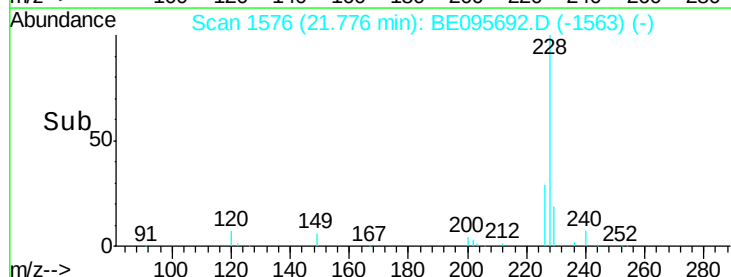
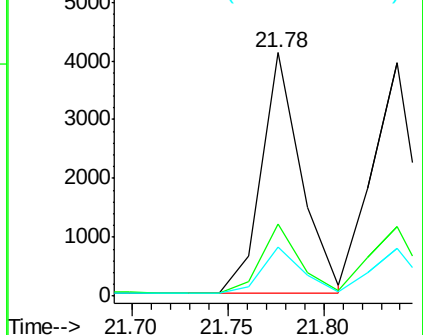
229 20.4 16.0 24.0

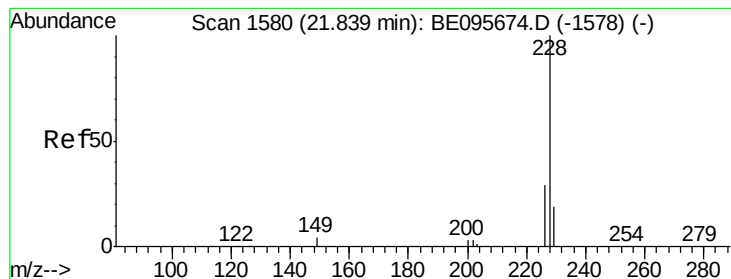


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.266 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

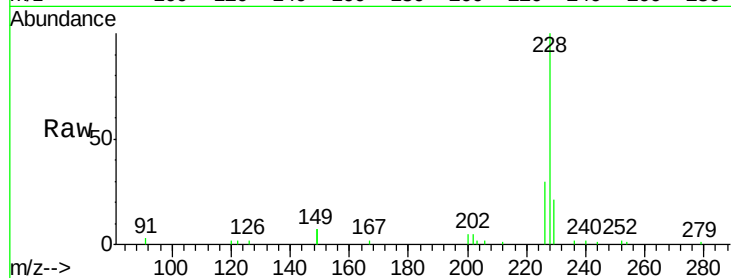
Tot Ion:228 Resp: 5901

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

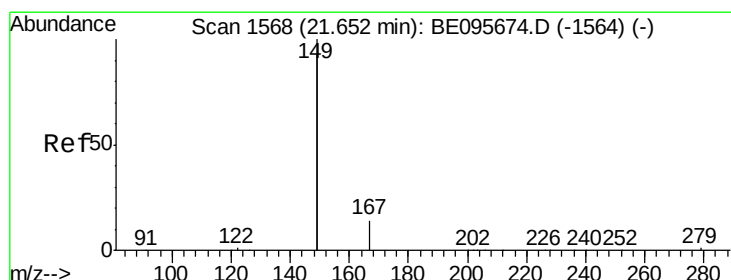
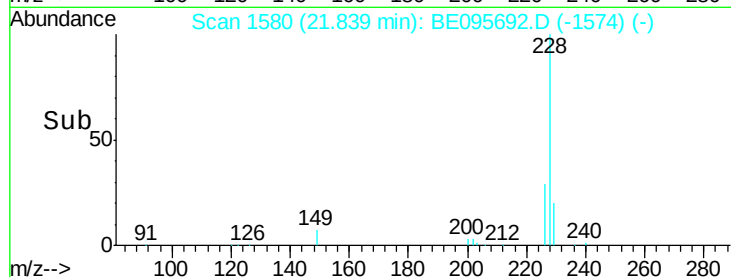
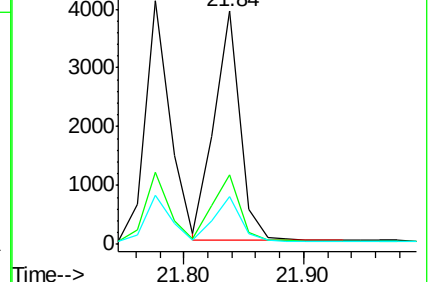
229 20.7 16.0 24.0



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: 0.278 ng

RT: 21.65 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

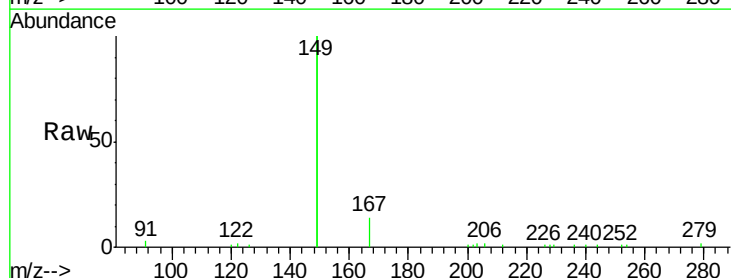
Tgt Ion:149 Resp: 10974

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

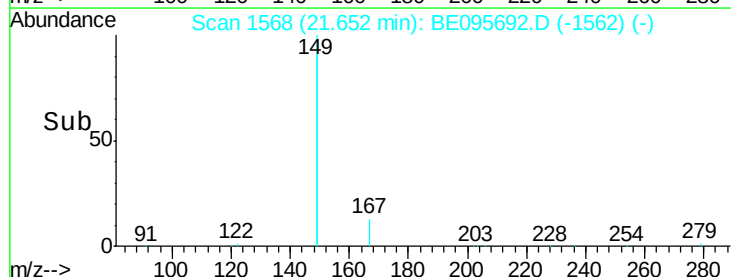
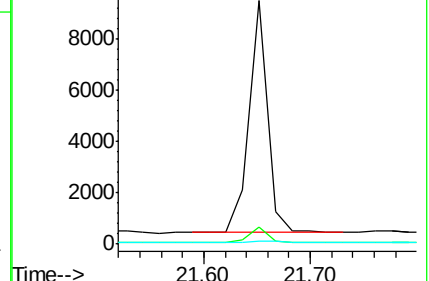
279 1.0 0.7 1.1

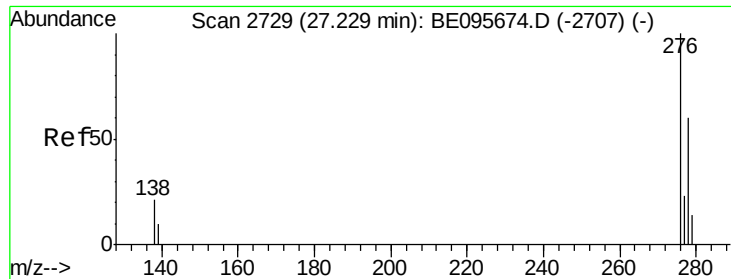


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

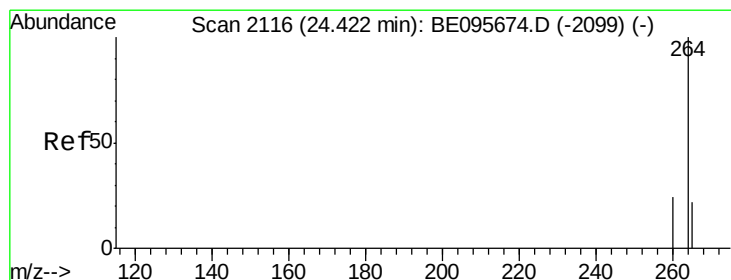
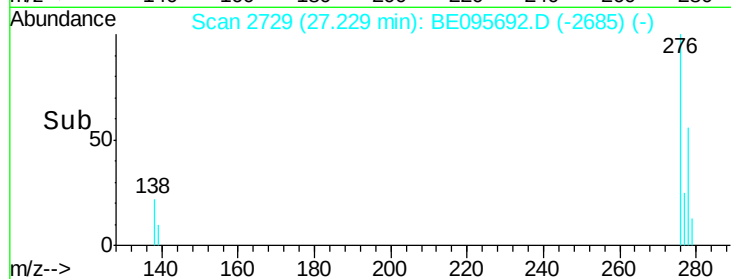
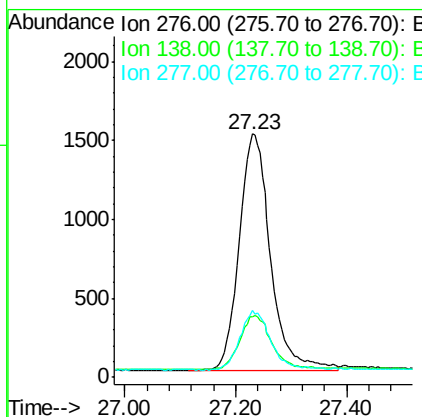
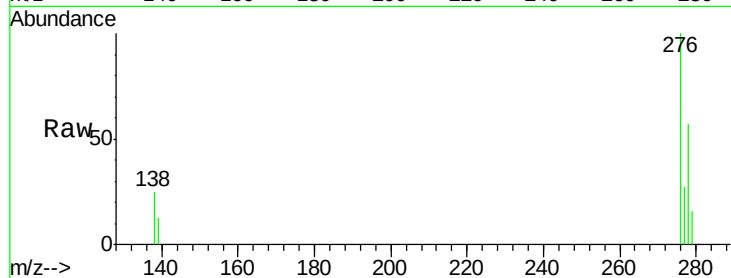




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.275 ng
 RT: 27.23 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BE095692.D
 Acq: 26 Feb 2018 17:07

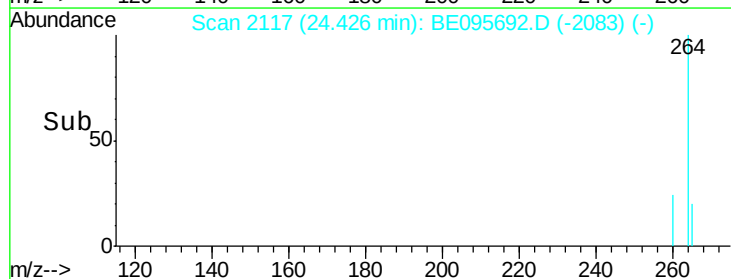
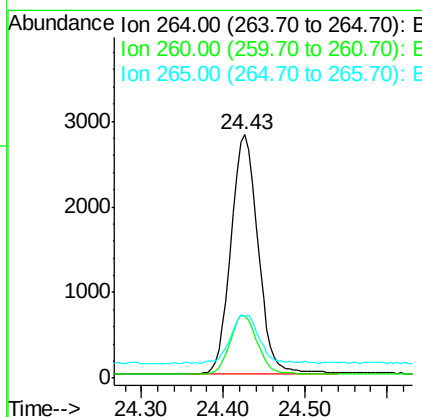
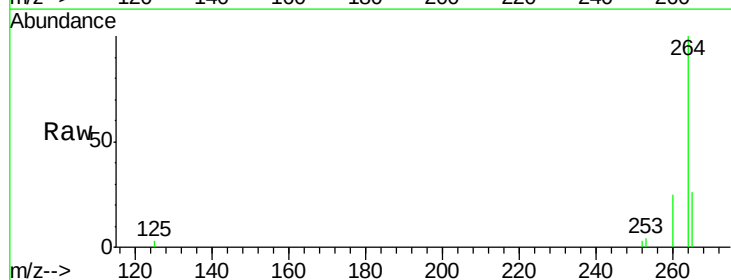
Instrument :
 BNA_E
 ClientSampleId :
 PB106832BS

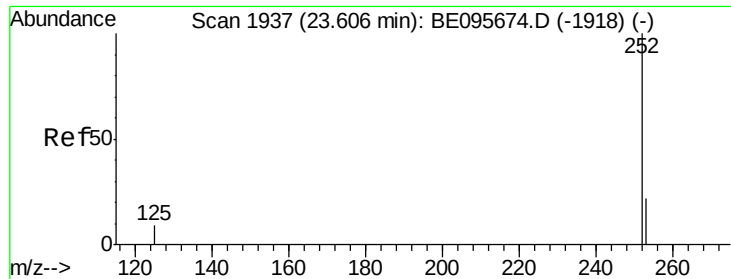
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	22.5	33.7
277	24.2	19.9	29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.43 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: BE095692.D
 Acq: 26 Feb 2018 17:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.5	30.7
265	25.6	22.8	34.2

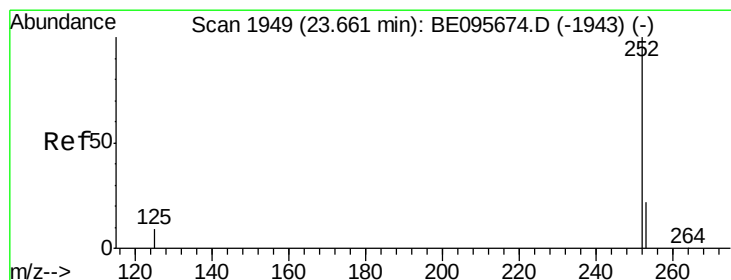
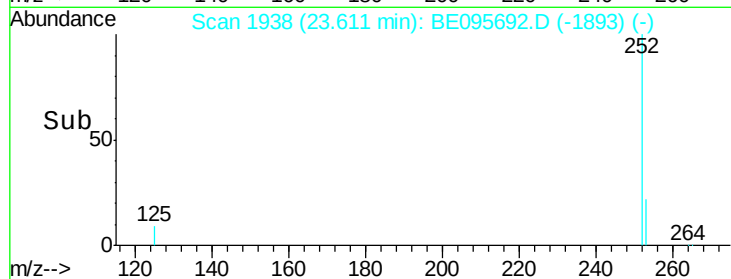
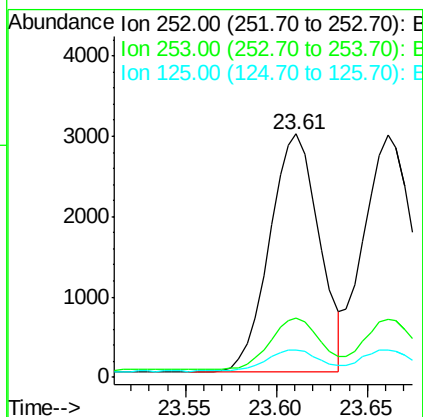
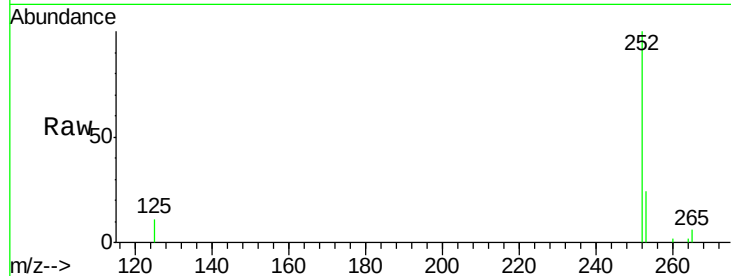




#35
Benzo(b)fluoranthene
Concen: 0.248 ng
RT: 23.61 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

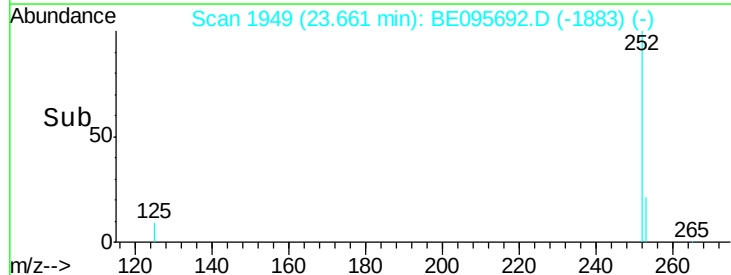
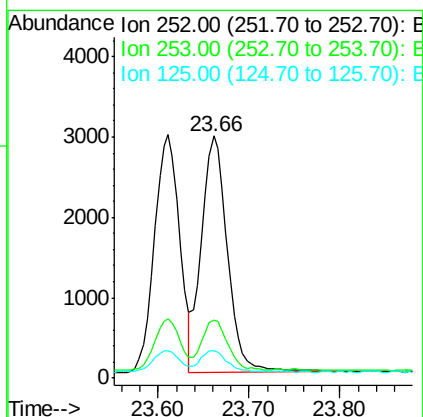
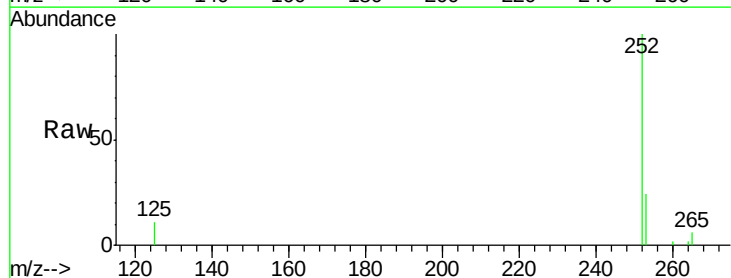
Instrument :
BNA_E
ClientSampleId :
PB106832BS

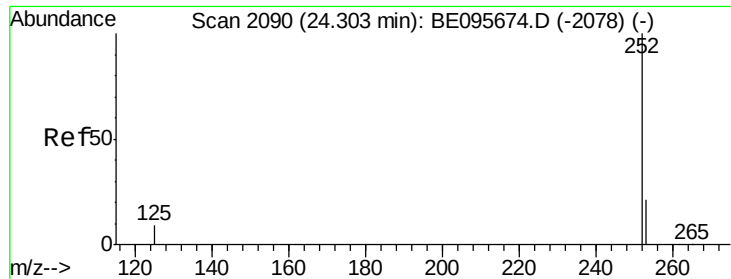
Tot Ion:252 Resp: 5651
Ion Ratio Lower Upper
252 100
253 24.3 20.0 30.0
125 11.5 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.257 ng
RT: 23.66 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:252 Resp: 5826
Ion Ratio Lower Upper
252 100
253 24.1 16.0 24.0#
125 11.3 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.260 ng

RT: 24.30 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

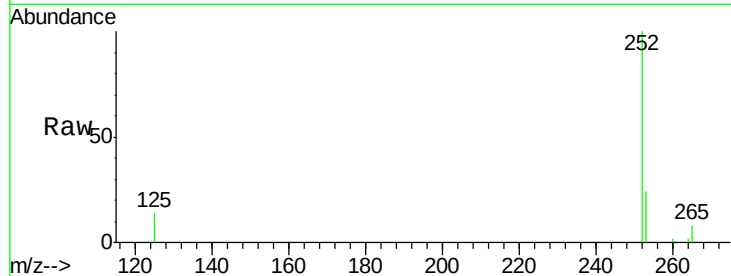
Tot Ion:252 Resp: 5346

Ion Ratio Lower Upper

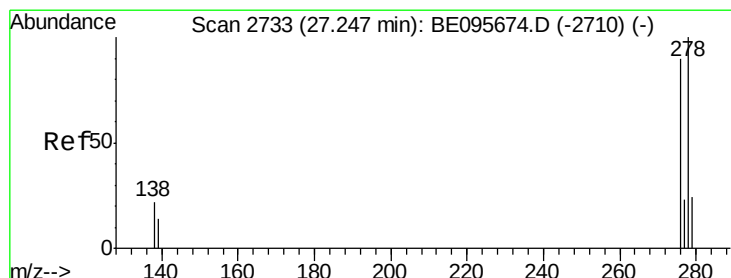
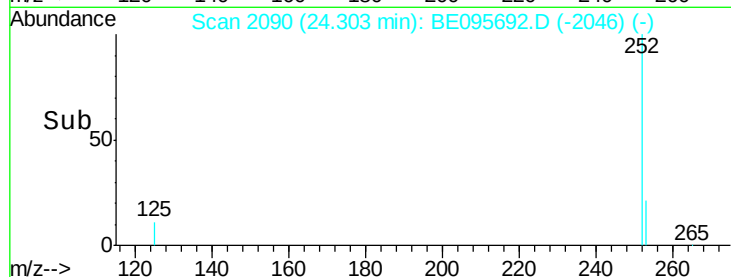
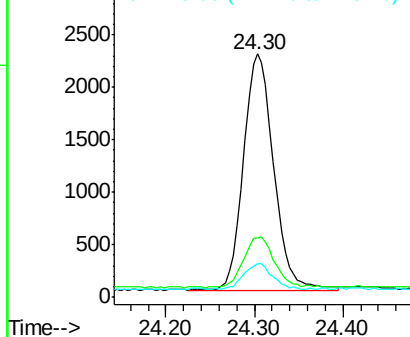
252 100

253 24.4 16.0 24.0#

125 14.1 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.258 ng

RT: 27.25 min Scan# 2733

Delta R.T. -0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

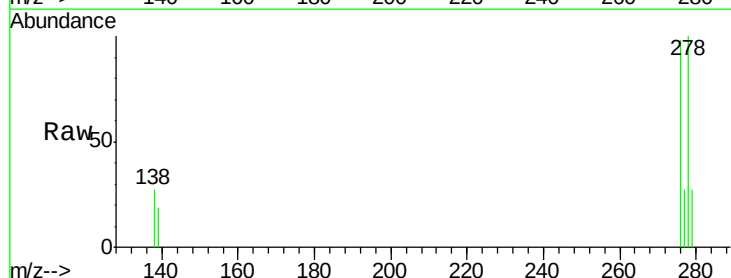
Tgt Ion:278 Resp: 4715

Ion Ratio Lower Upper

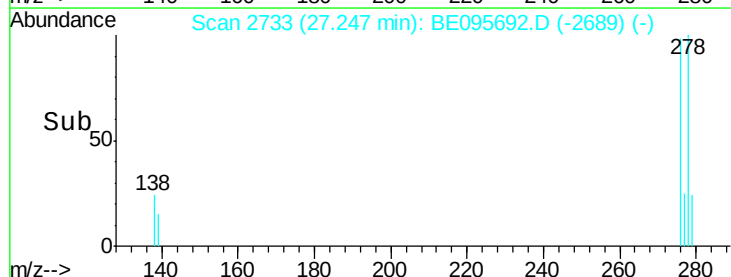
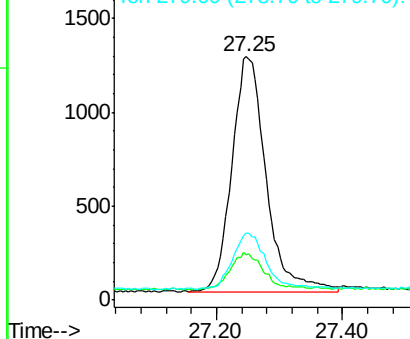
278 100

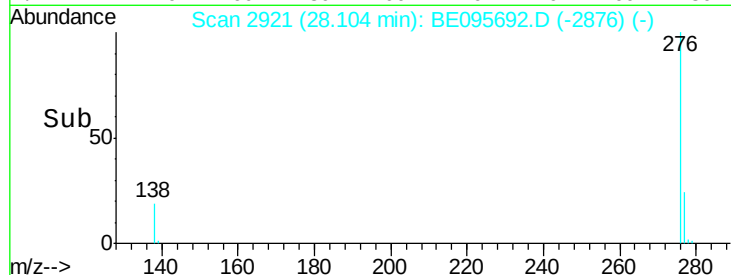
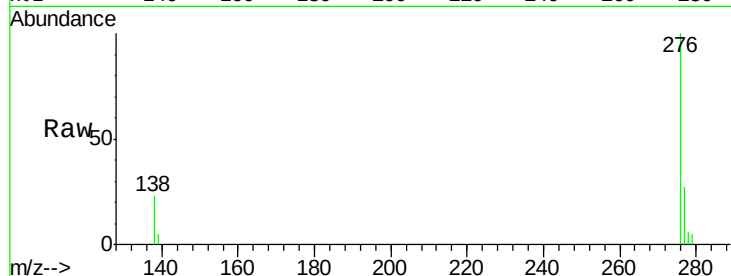
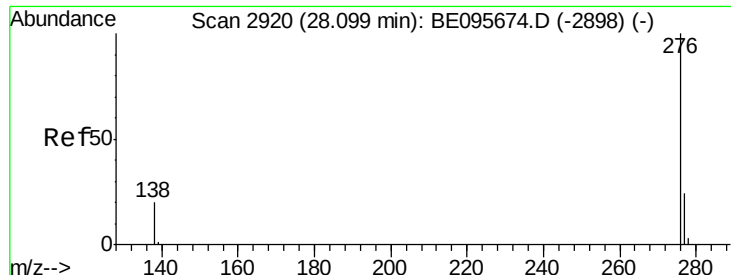
139 18.7 16.0 24.0

279 27.4 20.0 30.0



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(a,h,i)perylene

Concen: 0.264 ng

RT: 28.10 min Scan# 2921

Delta R.T. 0.00 min

Lab File: BE095692.D

Acq: 26 Feb 2018 17:07

Instrument :

BNA_E

ClientSampleId :

PB106832BS

Tot Ion: 276 Resp: 5176

Ion Ratio Lower Upper

276 100

277 27.2 16.0 24.0#

138 22.6 20.0 30.0

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

