

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022318\
 Data File : BE095683.D
 Acq On : 23 Feb 2018 15:07
 Operator : SJ/JU
 Sample : PB106752BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB106752BS

Quant Time: Feb 23 18:24:06 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	1335	0.40	ng	-0.01
7) Naphthalene-d8	11.26	136	4761	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	2504	0.40	ng	0.00
19) Phenanthrene-d10	17.70	188	5583	0.40	ng	0.00
27) Chrysene-d12	21.79	240	6427	0.40	ng	0.00
34) Perylene-d12	24.42	264	6007	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	1656	0.47	ng	0.00
5) Phenol-d6	7.55	99	2102	0.43	ng	0.00
8) Nitrobenzene-d5	9.60	82	2083	0.42	ng	-0.02
11) 2-Methylnaphthalene-d10	12.80	152	3382	0.42	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	353	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	4663	0.42	ng	0.00
25) Fluoranthene-d10	19.68	212	32621	0.45	ng	0.00
29) Terphenyl-d14	20.25	244	5218	0.41	ng	0.00

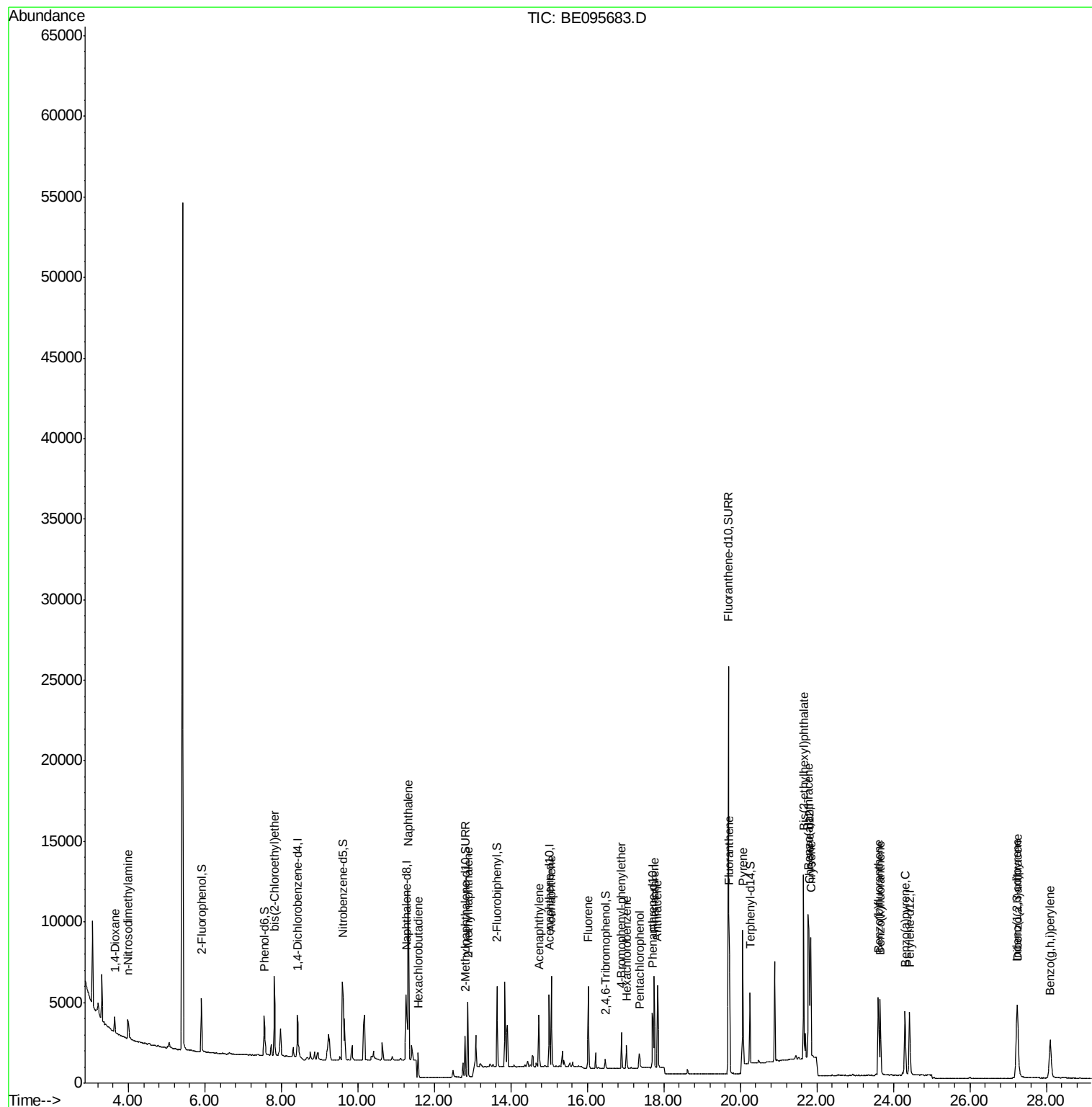
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.65	88	659	0.31	ng	# 22
3) n-Nitrosodimethylamine	3.99	42	910	0.35	ng	# 87
6) bis(2-Chloroethyl)ether	7.82	93	1714	0.34	ng	94
9) Naphthalene	11.31	128	18875	0.34	ng	100
10) Hexachlorobutadiene	11.57	225	1159	0.36	ng	98
12) 2-Methylnaphthalene	12.88	142	3186	0.34	ng	97
16) Acenaphthylene	14.74	152	4336	0.31	ng	100
17) Acenaphthene	15.06	154	2719	0.31	ng	93
18) Fluorene	16.02	166	3465	0.32	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	1116	0.32	ng	# 70
21) Hexachlorobenzene	17.03	284	1159	0.32	ng	# 83
22) Pentachlorophenol	17.36	266	545	0.59	ng	# 74
23) Phenanthrene	17.74	178	5921	0.34	ng	100
24) Anthracene	17.83	178	5400	0.34	ng	# 94
26) Fluoranthene	19.71	202	7570	0.35	ng	97
28) Pyrene	20.06	202	8891	0.34	ng	99
30) Benzo(a)anthracene	21.78	228	7227	0.34	ng	98
31) Chrysene	21.84	228	7129	0.34	ng	99
32) Bis(2-ethylhexyl)phthalate	21.65	149	13050	0.35	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	7363	0.36	ng	# 94
35) Benzo(b)fluoranthene	23.61	252	7100	0.33	ng	# 90
36) Benzo(k)fluoranthene	23.66	252	6999	0.33	ng	93
37) Benzo(a)pyrene	24.30	252	6724	0.35	ng	93
38) Dibenzo(a,h)anthracene	27.25	278	5818	0.34	ng	96
39) Benzo(g,h,i)perylene	28.10	276	6325	0.34	ng	# 92

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

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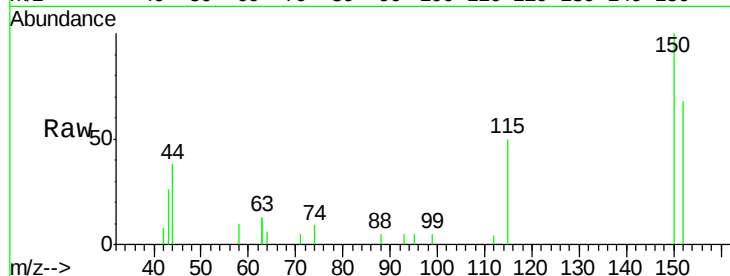


#1

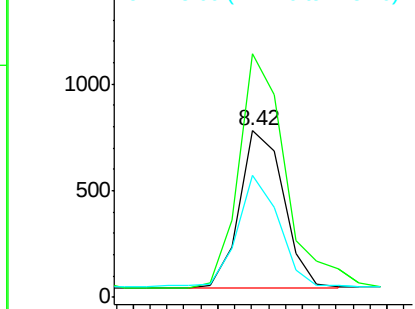
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 8.42 min Scan# 442
Delta R.T. -0.01 min
Lab File: BE095683.D
Acq: 23 Feb 2018 15:07

Instrument :
BNA_E
ClientSampleId :
PB106752BS

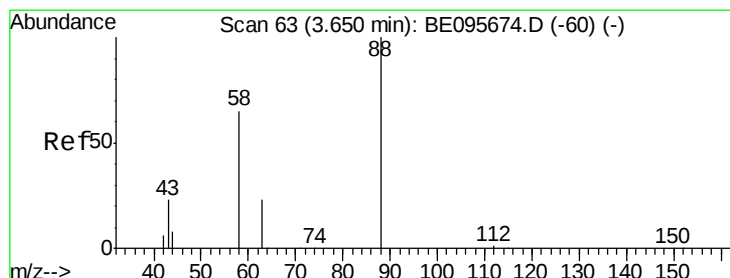
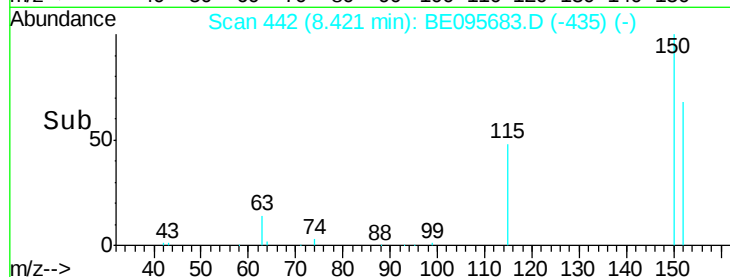
Tot Ion:152 Resp: 1335
Ion Ratio Lower Upper
152 100
150 146.3 117.2 175.8
115 73.2 57.0 85.6



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



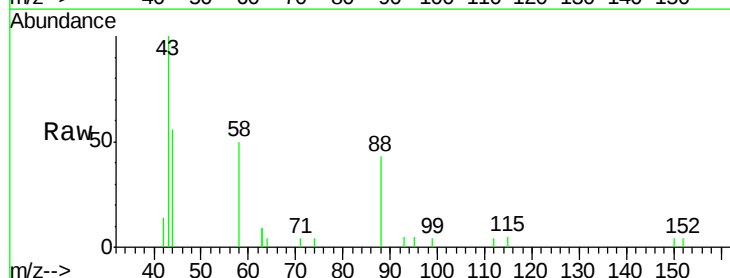
Time--> 8.35 8.40 8.45 8.50



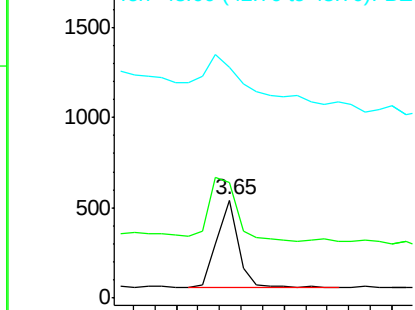
#2

1,4-Dioxane
Concen: 0.31 ng
RT: 3.65 min Scan# 63
Delta R.T. -0.00 min
Lab File: BE095683.D
Acq: 23 Feb 2018 15:07

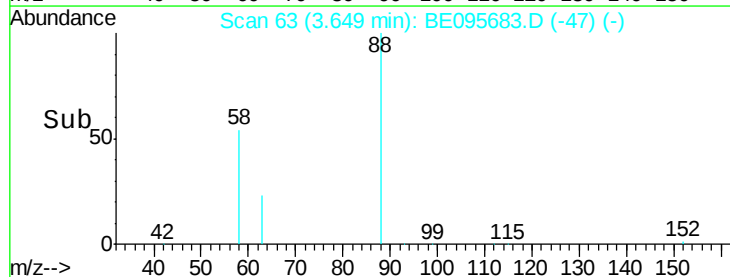
Tgt Ion: 88 Resp: 659
Ion Ratio Lower Upper
88 100
58 93.9 63.2 94.8
43 171.3 41.2 61.8#

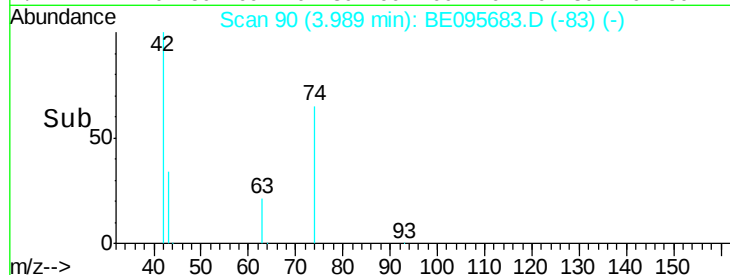
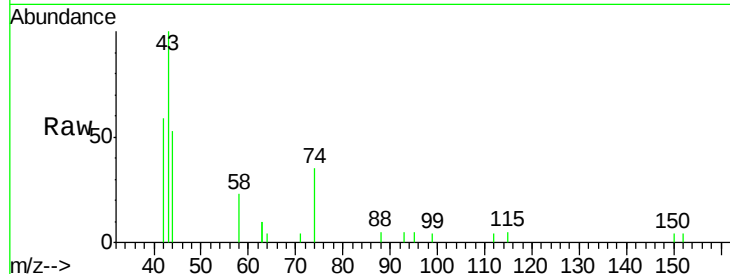
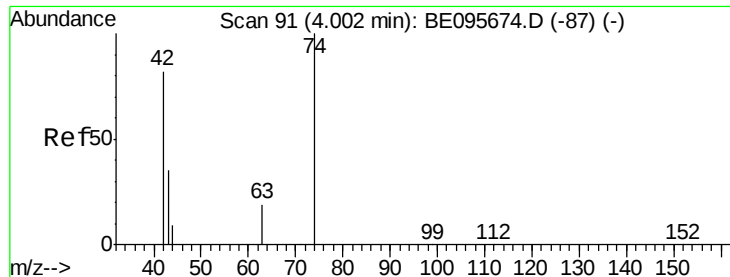


Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



Time--> 3.60 3.70 3.80

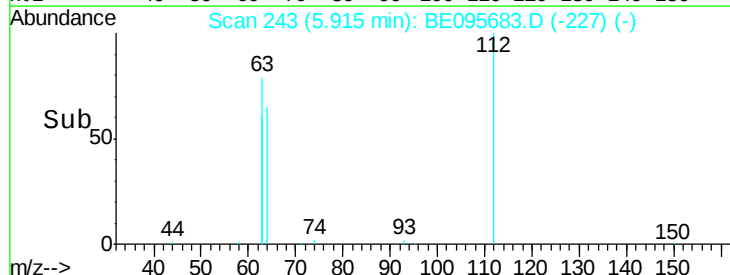
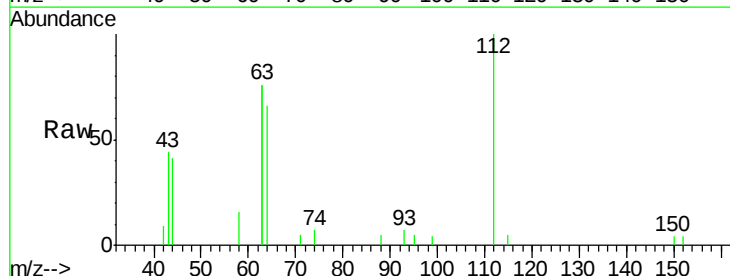
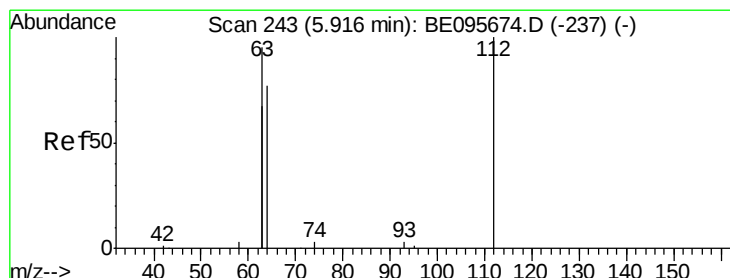
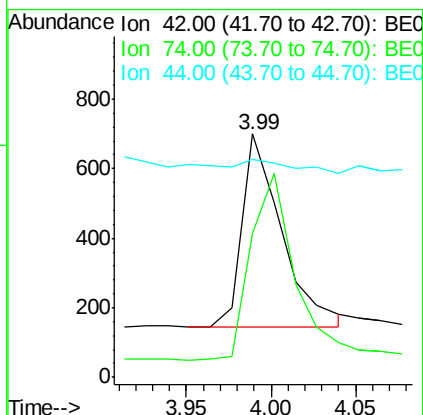




#3
n-Nitrosodimethylamine
Concen: 0.35 ng
RT: 3.99 min Scan# 90
Delta R.T. -0.01 min
Lab File: BE095683.D
Acq: 23 Feb 2018 15:07

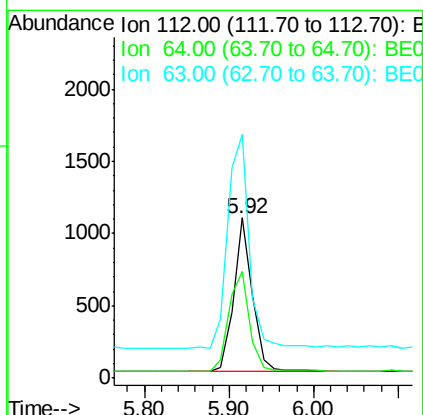
Instrument :
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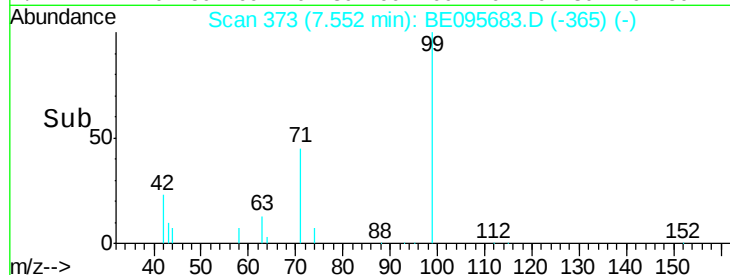
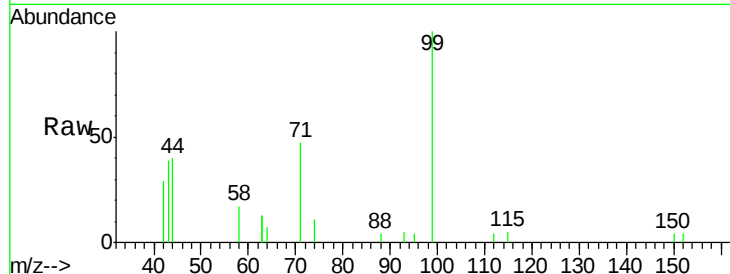
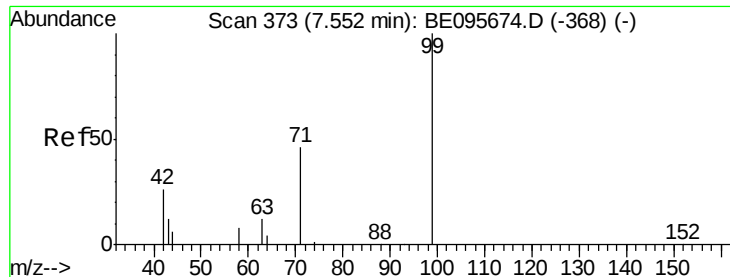
Tot Ion: 42 Resp: 910
Ion Ratio Lower Upper
42 100
74 105.5 96.0 144.0
44 7.9 12.0 18.0#



#4
2-Fluorophenol
Concen: 0.47 ng
RT: 5.92 min Scan# 243
Delta R.T. -0.00 min
Lab File: BE095683.D
Acq: 23 Feb 2018 15:07

Tgt Ion: 112 Resp: 1656
Ion Ratio Lower Upper
112 100
64 72.6 60.1 90.1
63 160.4 116.8 175.2





#5

Phenol-d6

Concen: 0.43 ng

RT: 7.55 min Scan# 373

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

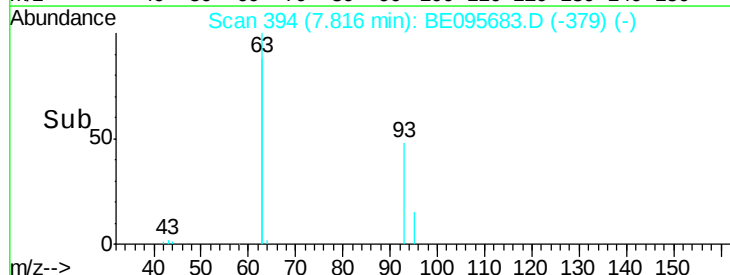
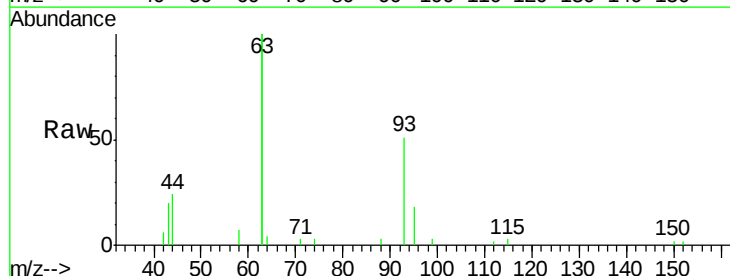
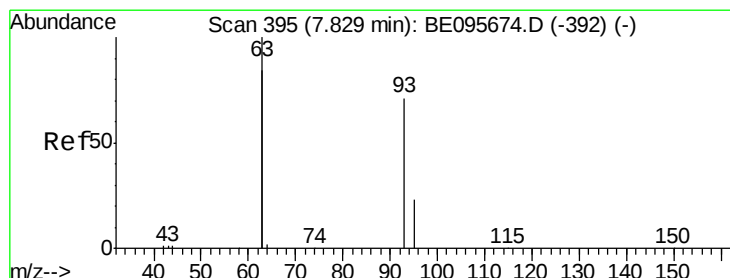
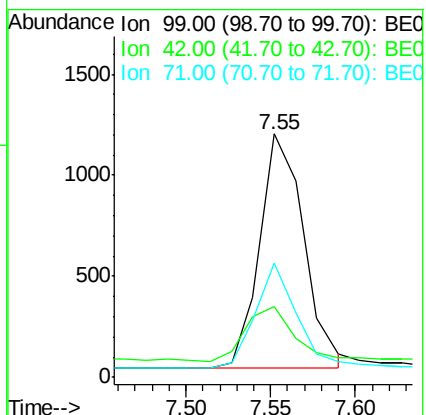
Tot Ion: 99 Resp: 2102

Ion Ratio Lower Upper

99 100

42 25.4 20.2 30.2

71 41.5 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.34 ng

RT: 7.82 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

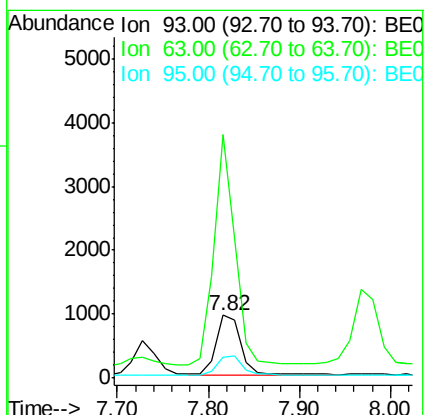
Tgt Ion: 93 Resp: 1714

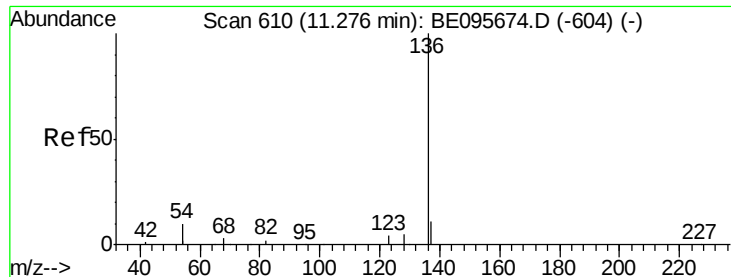
Ion Ratio Lower Upper

93 100

63 330.5 275.3 412.9

95 32.0 25.2 37.8





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.26 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

Tot Ion:136 Resp: 4761

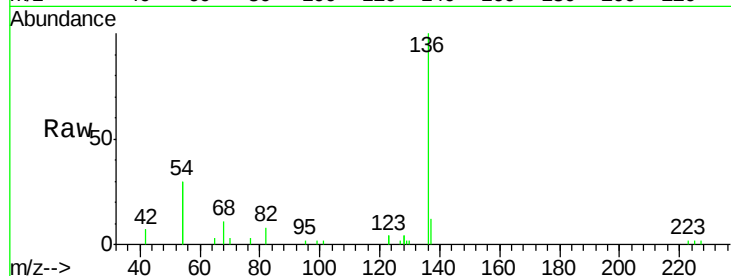
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 60.4 29.1 43.7#

68 10.9 6.2 9.2#

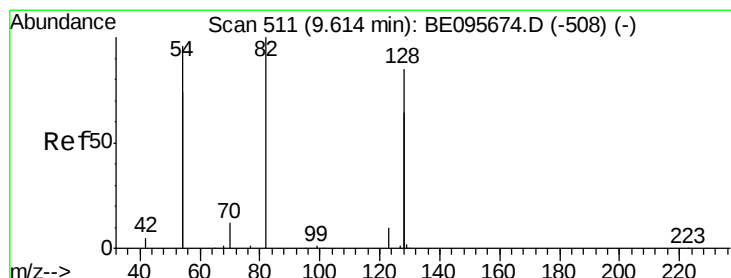
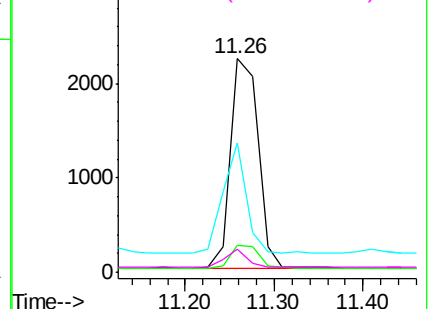
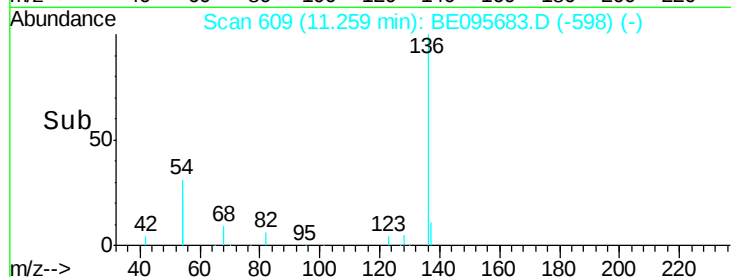


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.42 ng

RT: 9.60 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

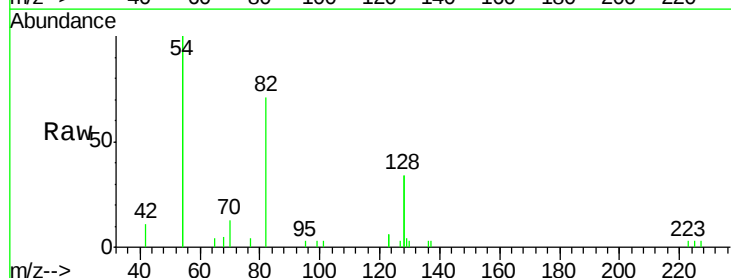
Tgt Ion: 82 Resp: 2083

Ion Ratio Lower Upper

82 100

128 95.8 150.0 225.0#

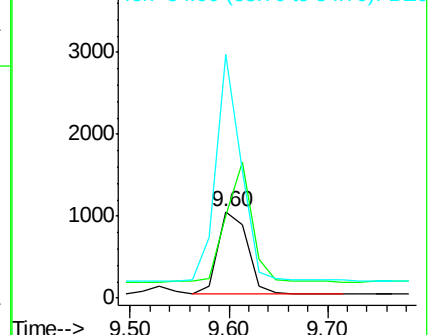
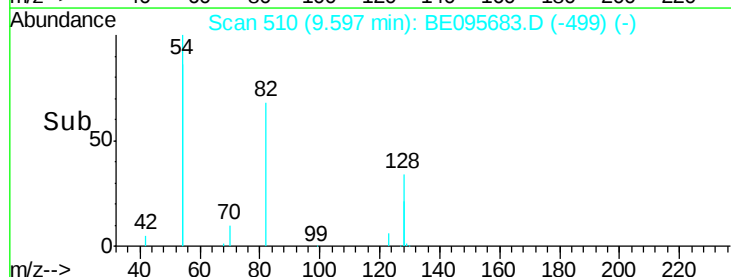
54 281.6 154.2 231.4#

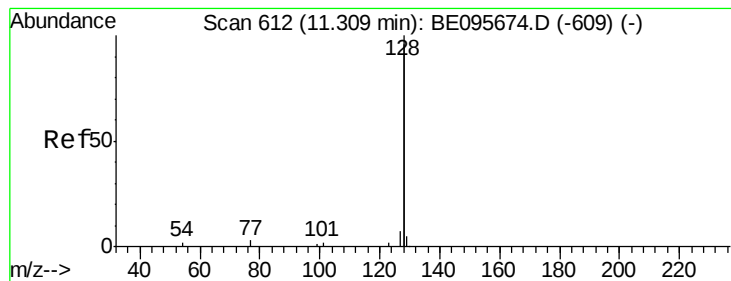


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.34 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

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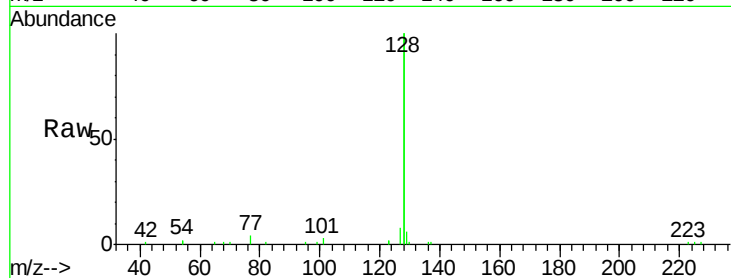
Tot Ion:128 Resp: 18875

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

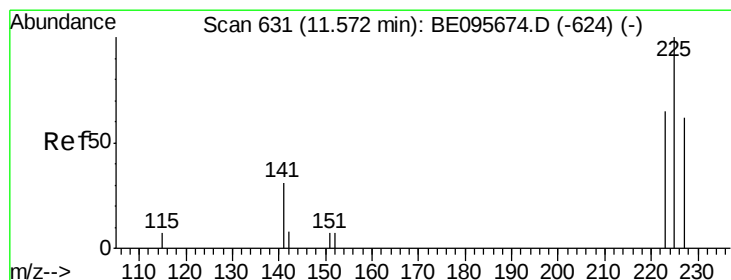
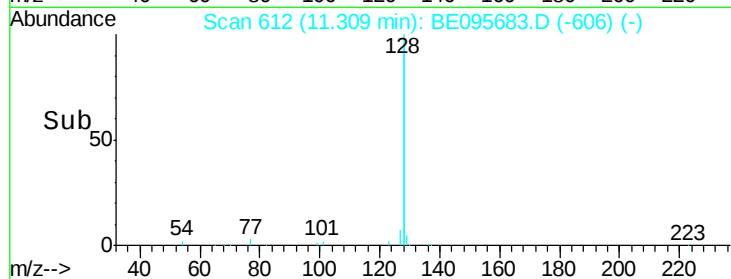
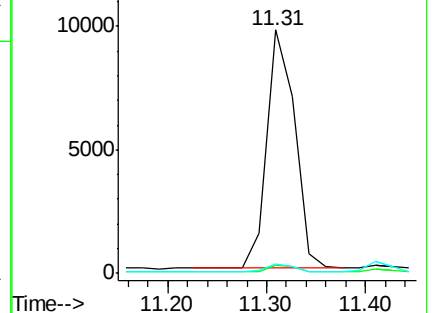
127 3.8 2.8 4.2



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: 0.36 ng

RT: 11.57 min Scan# 631

Delta R.T. 0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

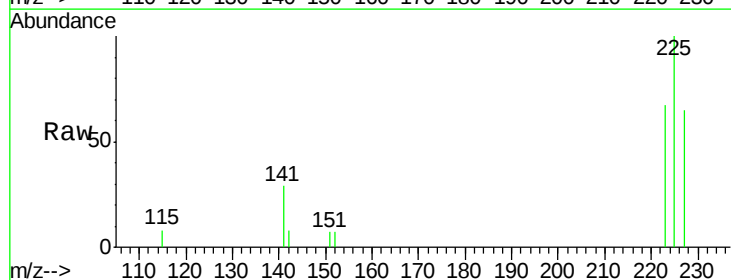
Tgt Ion:225 Resp: 1159

Ion Ratio Lower Upper

225 100

223 63.4 53.0 79.6

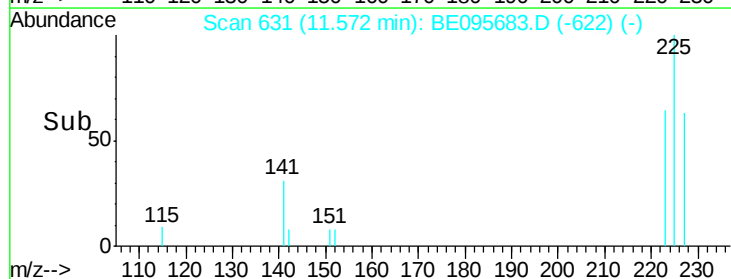
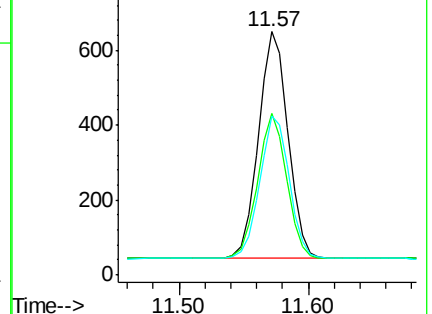
227 63.5 51.4 77.2

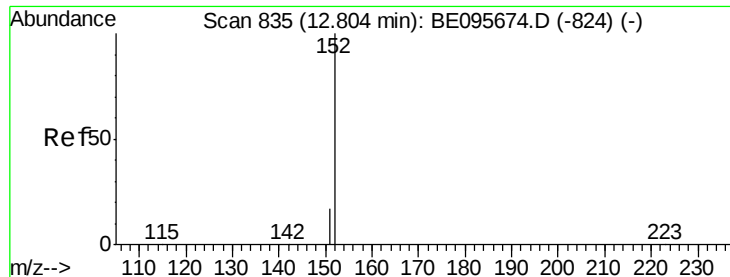


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

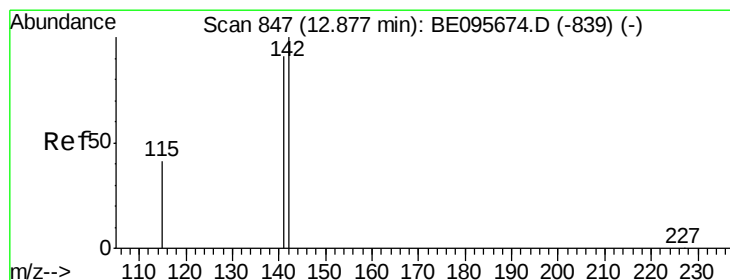
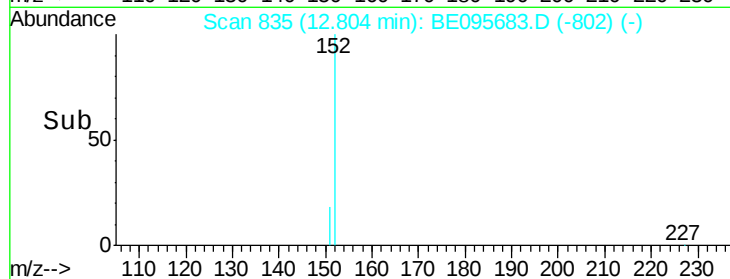
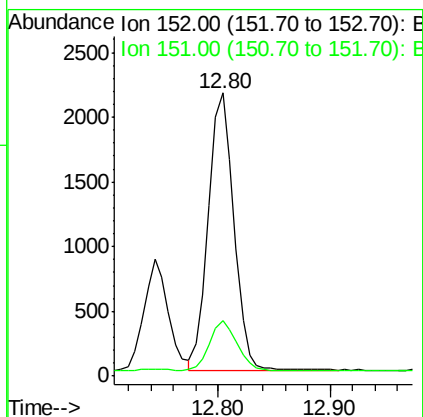
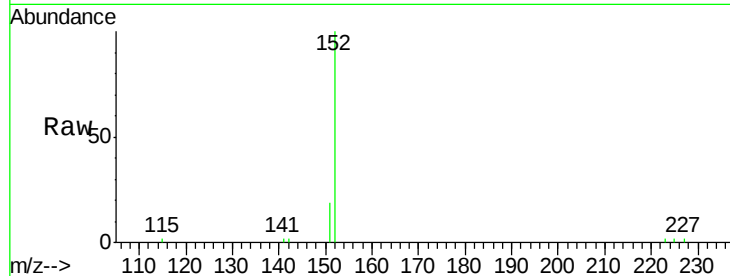




#11
2-Methylnaphthalene-d10
Concen: 0.42 ng
RT: 12.80 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE095683.D
Acq: 23 Feb 2018 15:07

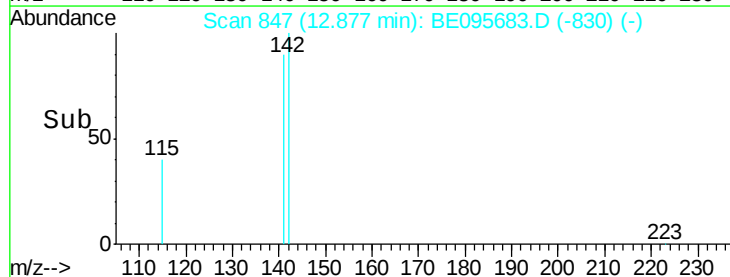
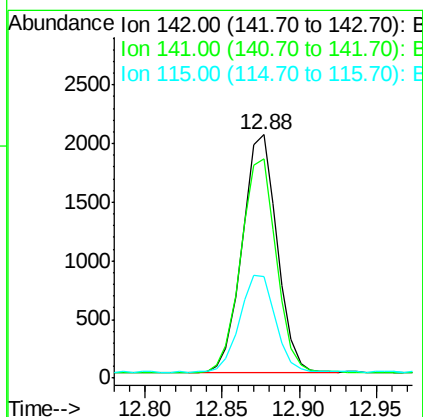
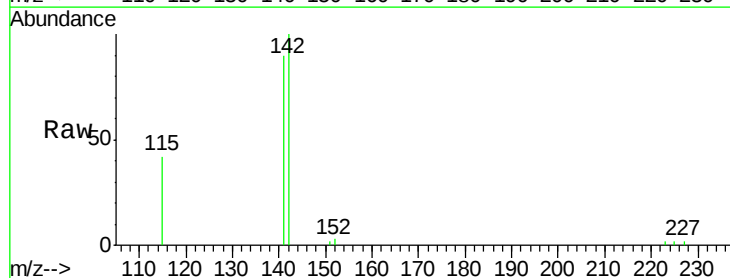
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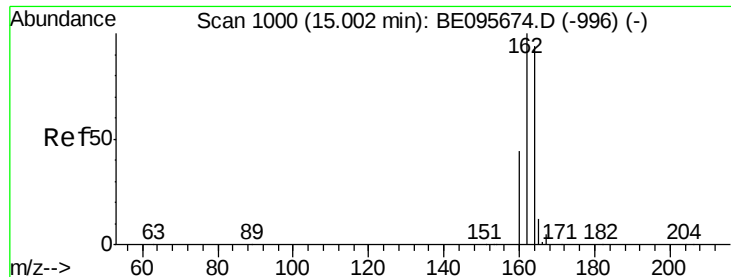
Tot Ion:152 Resp: 3382
Ion Ratio Lower Upper
152 100
151 18.9 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.34 ng
RT: 12.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: BE095683.D
Acq: 23 Feb 2018 15:07

Tgt Ion:142 Resp: 3186
Ion Ratio Lower Upper
142 100
141 90.1 70.4 105.6
115 41.5 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 15.00 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

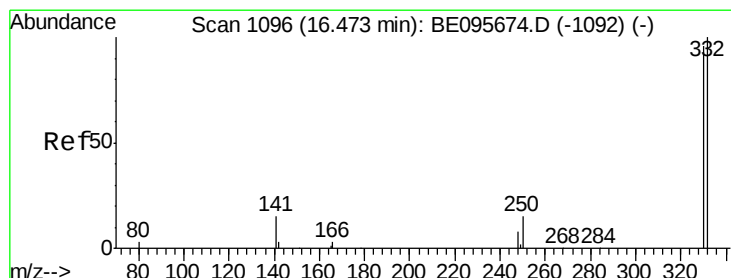
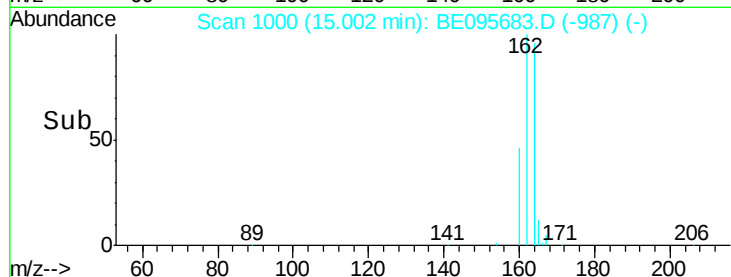
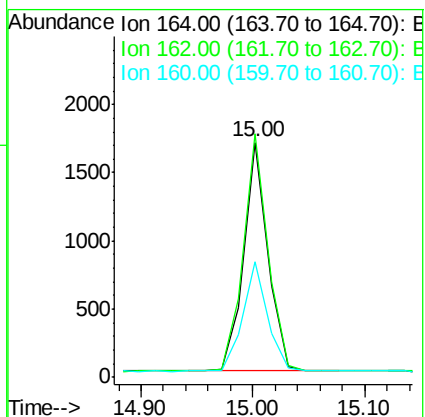
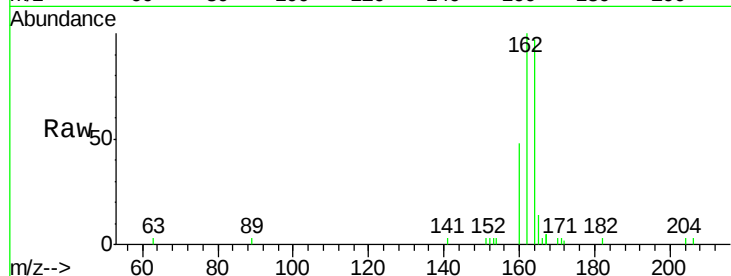
Tot Ion:164 Resp: 2504

Ion Ratio Lower Upper

164 100

162 103.6 83.1 124.7

160 49.3 37.1 55.7



#14

2,4,6-Tribromophenol

Concen: 0.41 ng

RT: 16.47 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

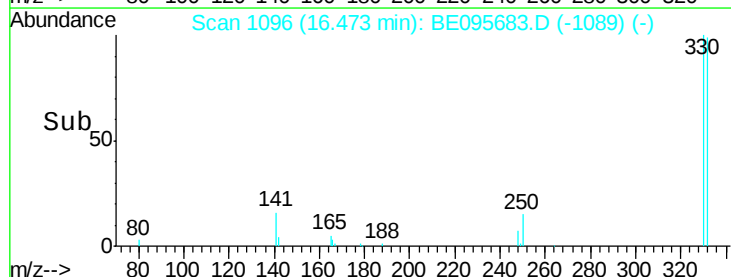
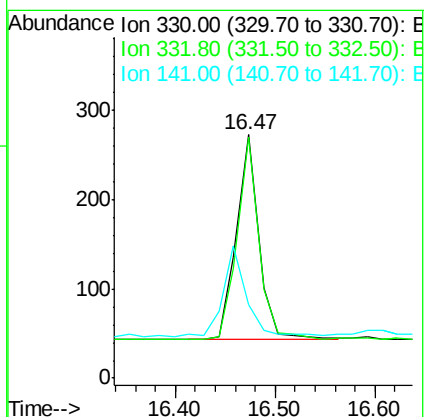
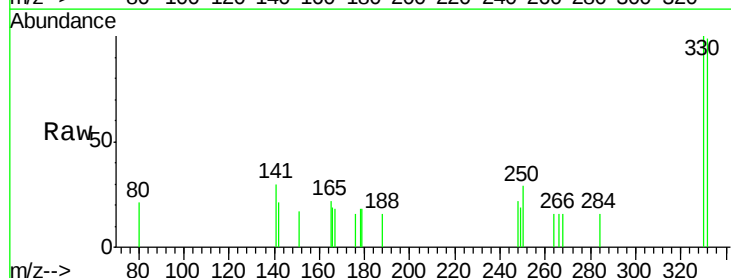
Tgt Ion:330 Resp: 353

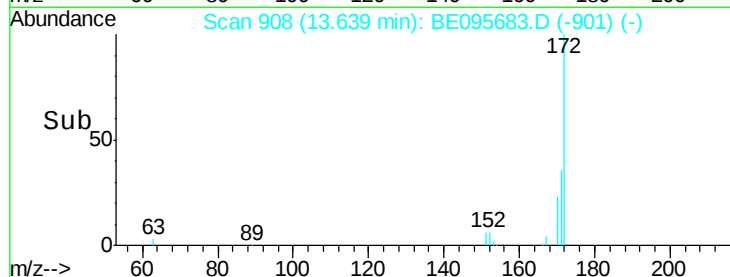
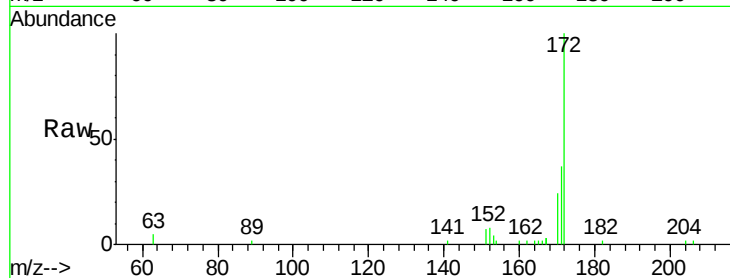
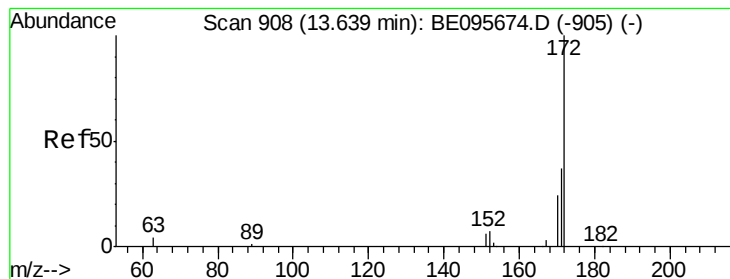
Ion Ratio Lower Upper

330 100

332 97.7 152.7 229.1#

141 46.7 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.42 ng

RT: 13.64 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

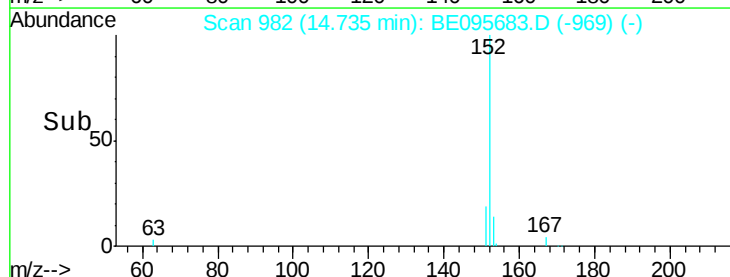
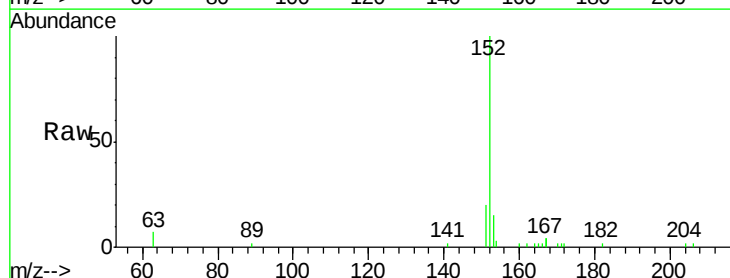
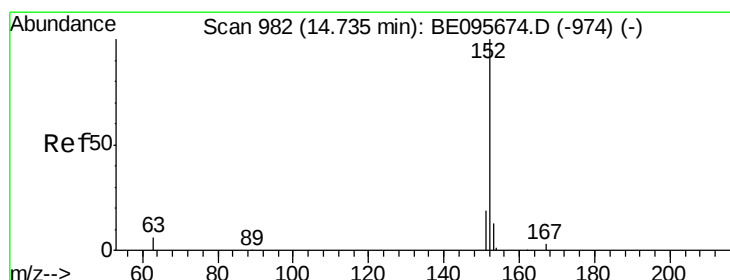
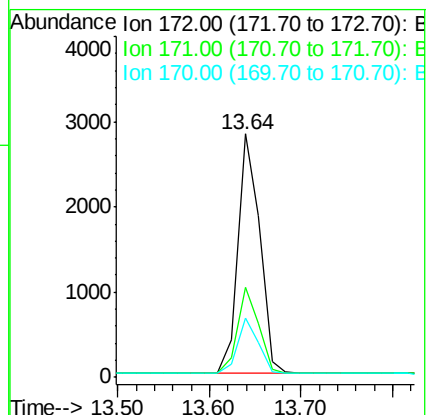
BNA_E

ClientSampleId :

PB106752BS

Tot Ion:172 Resp: 4663

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	24.2	21.8	32.8



#16

Acenaphthylene

Concen: 0.31 ng

RT: 14.74 min Scan# 982

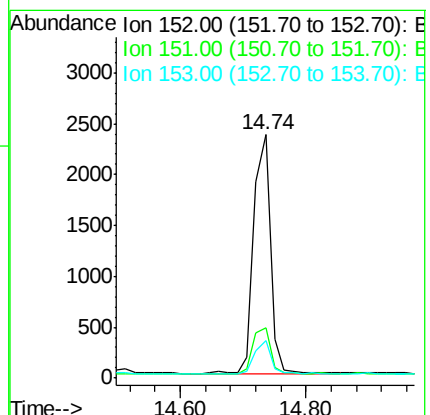
Delta R.T. -0.00 min

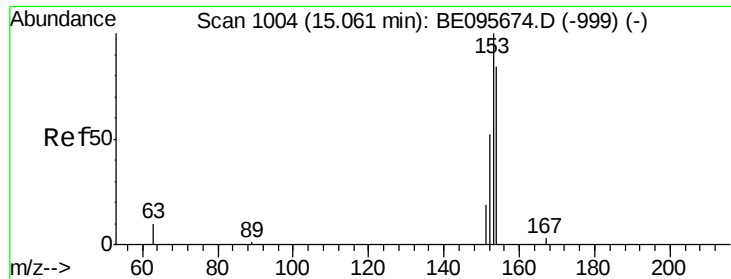
Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Tgt Ion:152 Resp: 4336

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	12.9	10.5	15.7





#17

Acenaphthene

Concen: 0.31 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

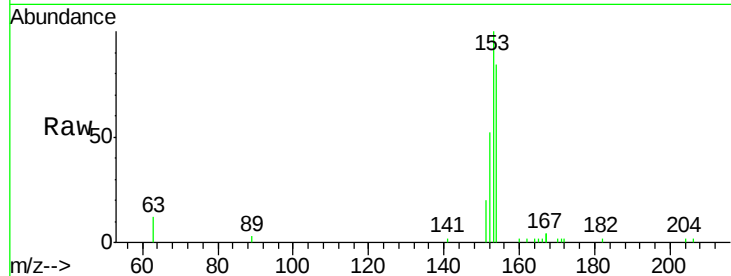
Tot Ion:154 Resp: 2719

Ion Ratio Lower Upper

154 100

153 117.1 89.2 133.8

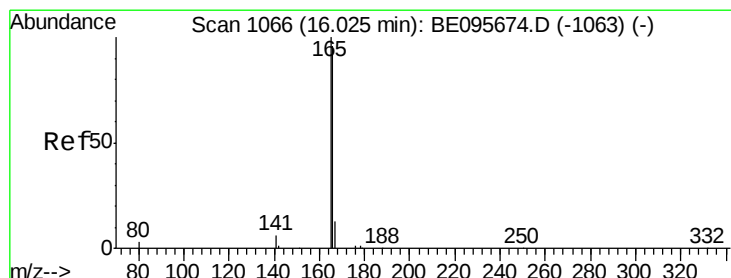
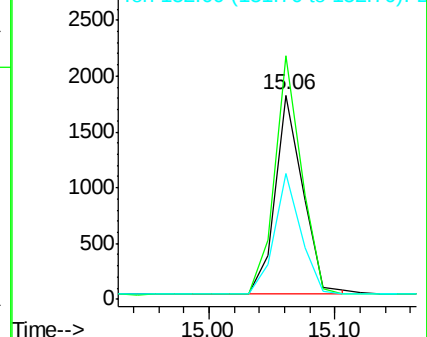
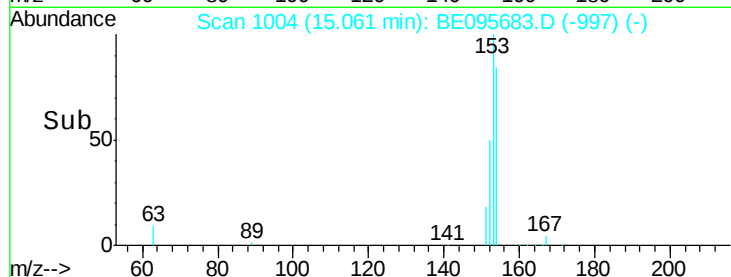
152 59.2 42.0 63.0



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: 0.32 ng

RT: 16.02 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

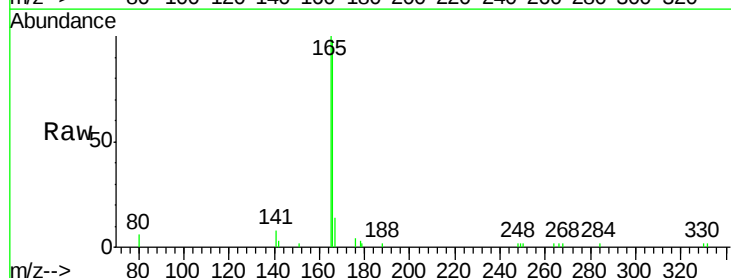
Tgt Ion:166 Resp: 3465

Ion Ratio Lower Upper

166 100

165 100.4 77.8 116.6

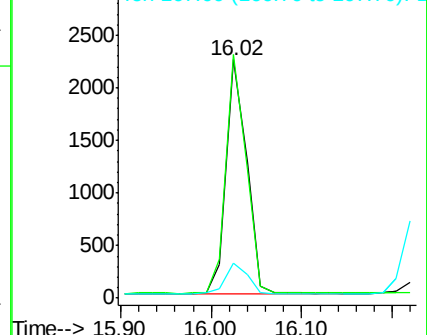
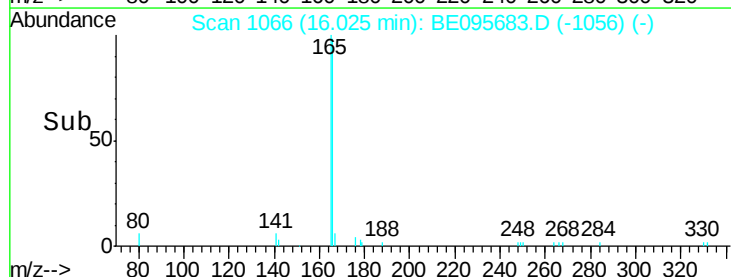
167 13.9 42.4 63.6#

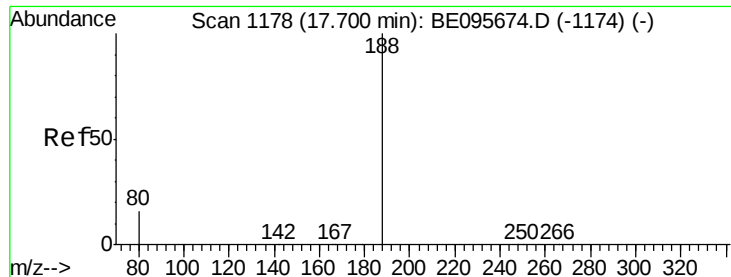


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.70 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

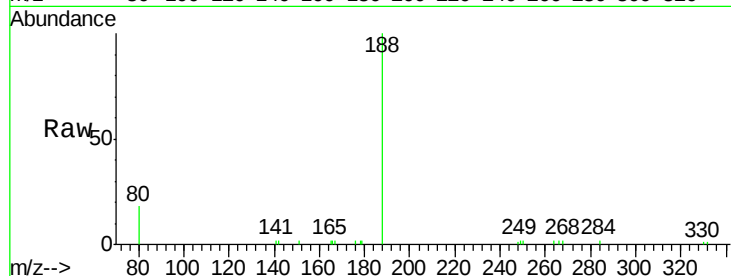
Tot Ion:188 Resp: 5583

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

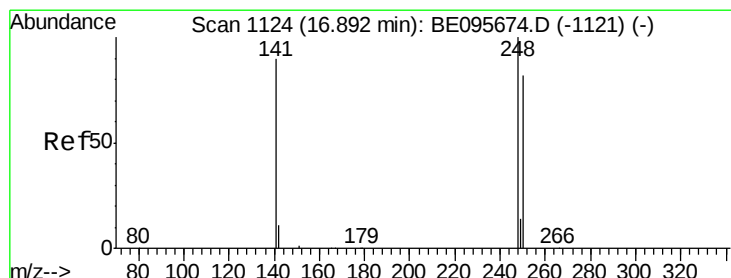
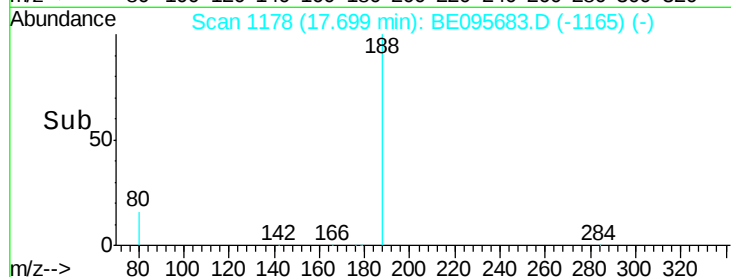
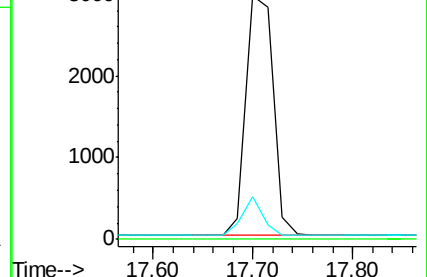
80 17.7 3.6 5.4#



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: 0.32 ng

RT: 16.89 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

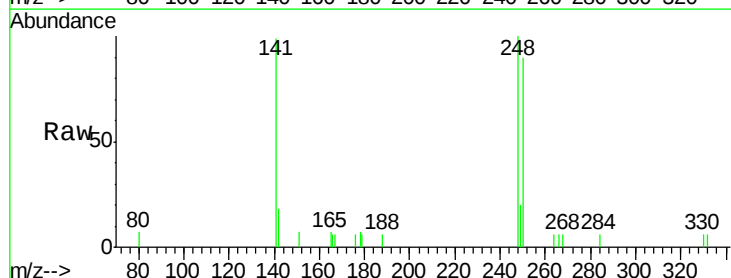
Tgt Ion:248 Resp: 1116

Ion Ratio Lower Upper

248 100

250 90.4 62.7 94.1

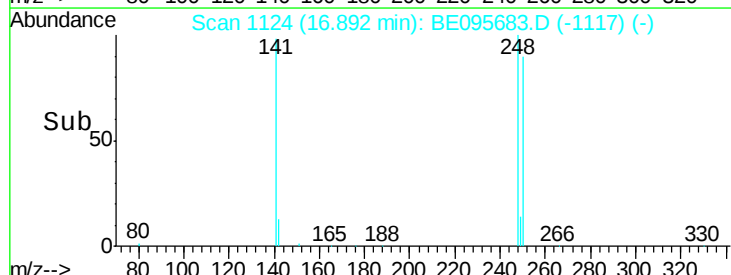
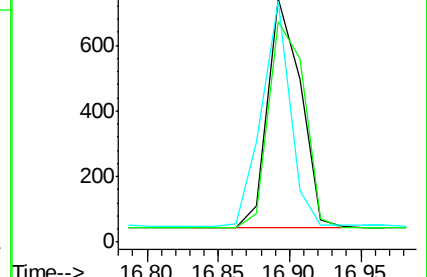
141 99.1 48.2 72.2#

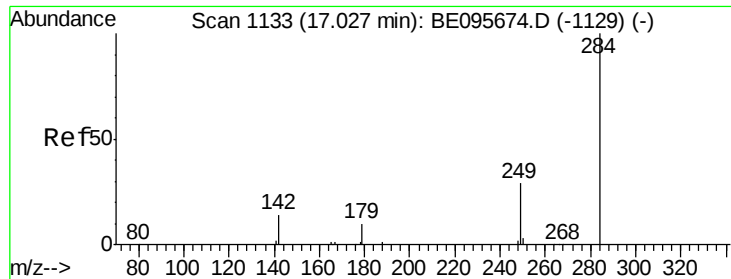


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.32 ng

RT: 17.03 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

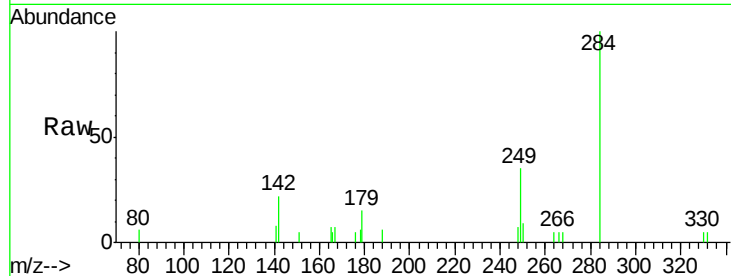
Tot Ion:284 Resp: 1159

Ion Ratio Lower Upper

284 100

142 41.4 22.1 33.1#

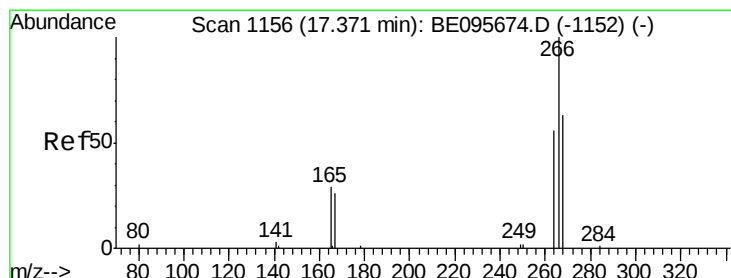
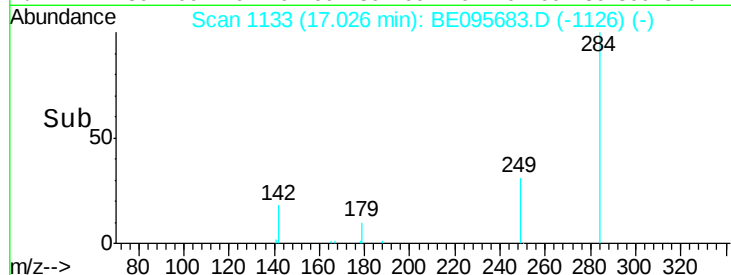
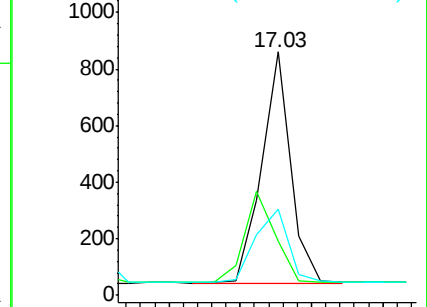
249 36.5 34.8 52.2



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: 0.59 ng

RT: 17.36 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

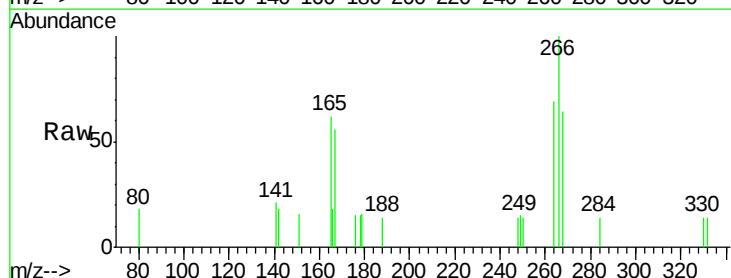
Tgt Ion:266 Resp: 545

Ion Ratio Lower Upper

266 100

264 68.7 72.5 108.7#

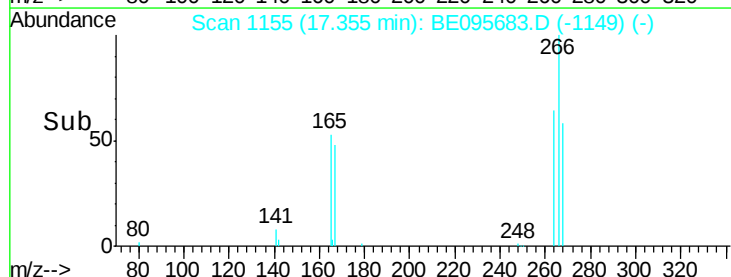
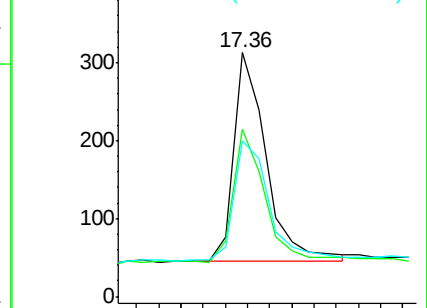
268 63.9 73.8 110.6#

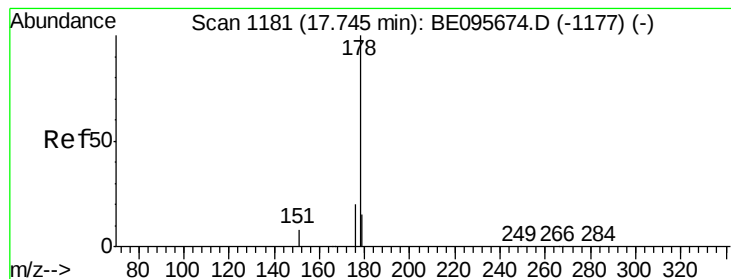


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.34 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

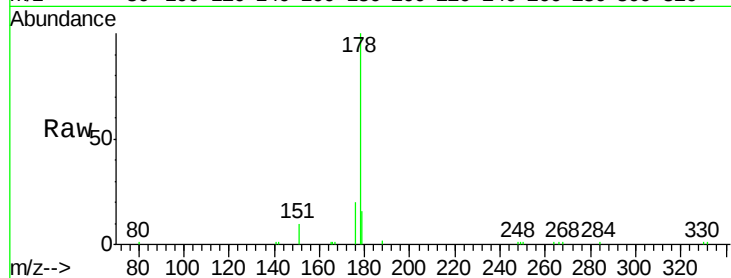
Tot Ion:178 Resp: 5921

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

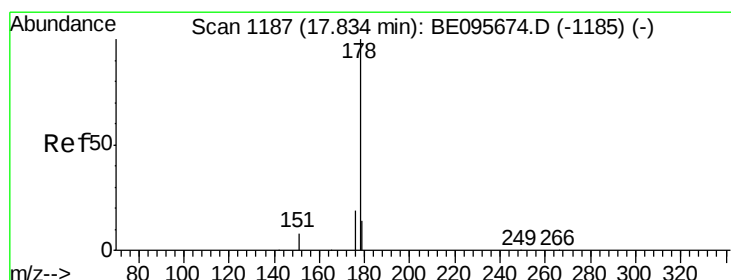
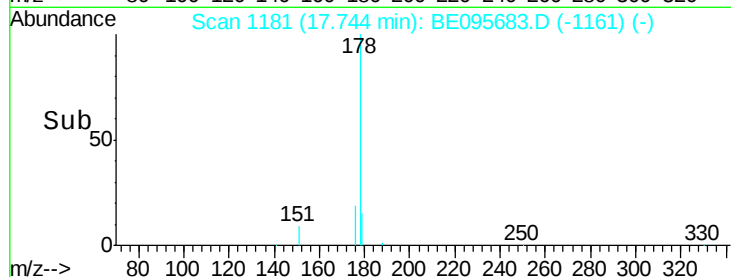
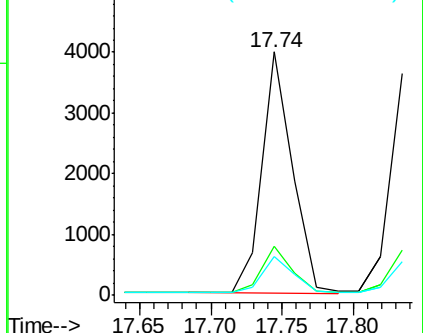
179 14.9 11.8 17.6



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: 0.34 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

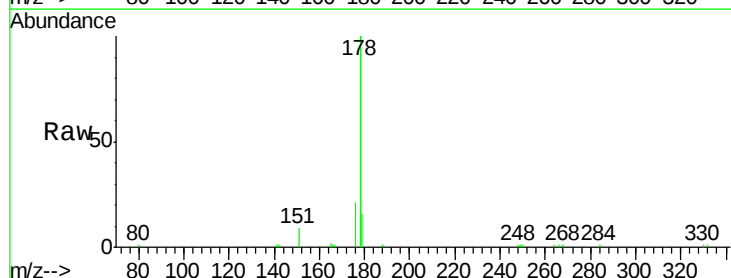
Tgt Ion:178 Resp: 5400

Ion Ratio Lower Upper

178 100

176 19.3 12.8 19.2#

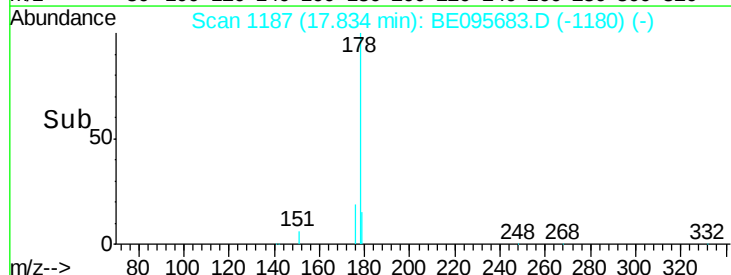
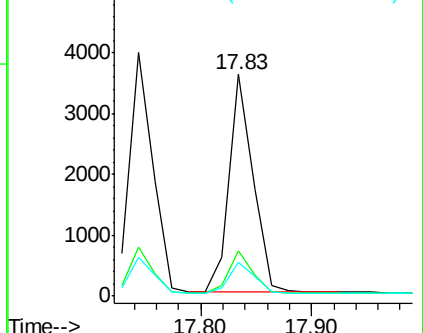
179 14.6 13.0 19.6

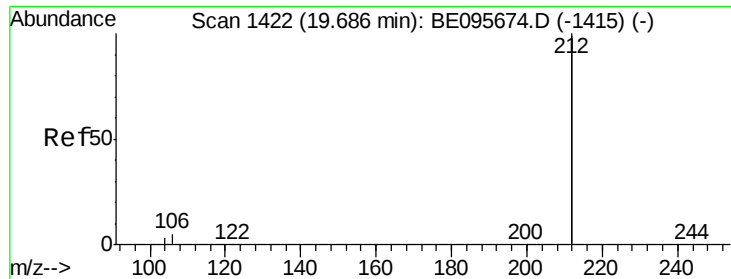


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.45 ng

RT: 19.68 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

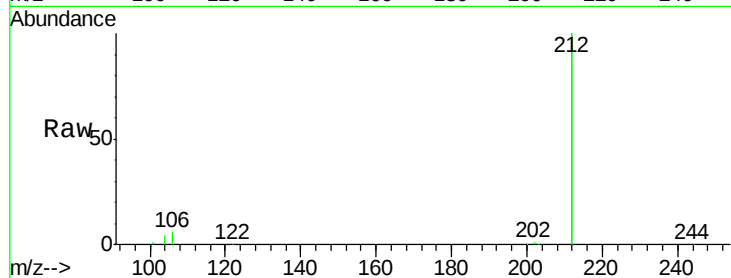
Tot Ion:212 Resp: 32621

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

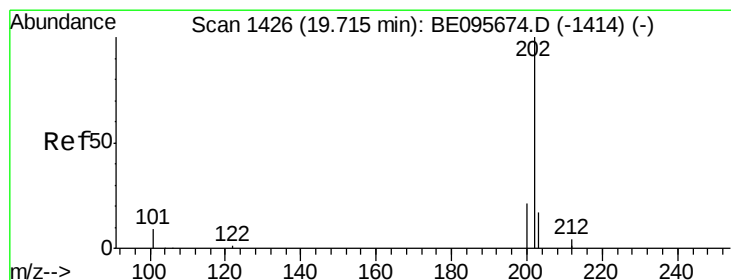
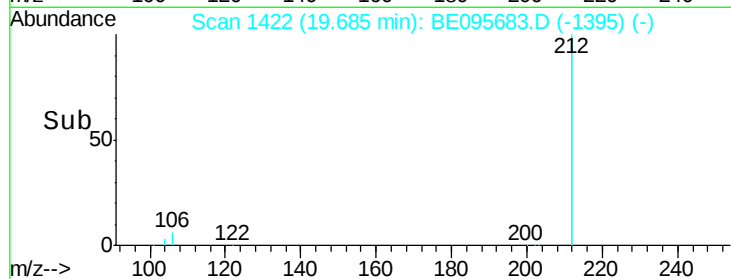
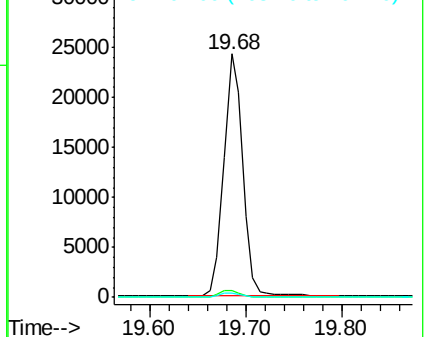
104 1.7 1.6 2.4



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



#26

Fluoranthene

Concen: 0.35 ng

RT: 19.71 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

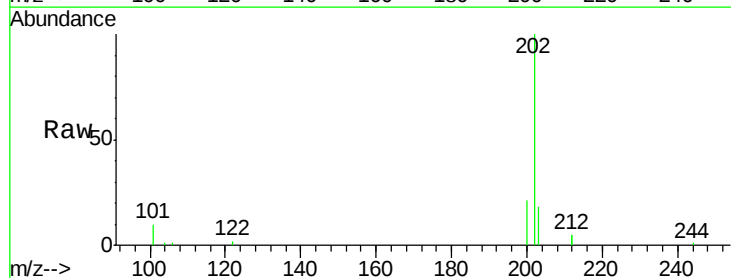
Tgt Ion:202 Resp: 7570

Ion Ratio Lower Upper

202 100

101 9.9 9.8 14.8

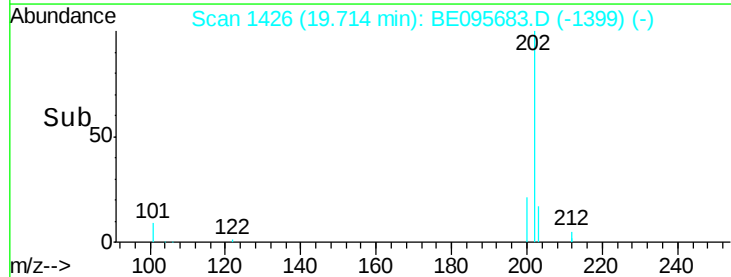
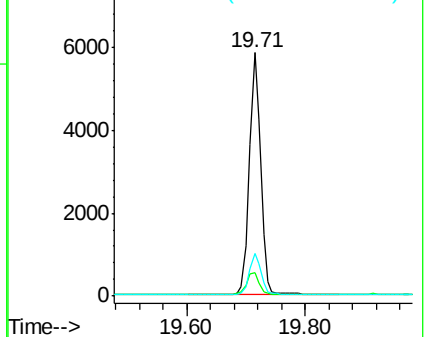
203 16.8 13.7 20.5

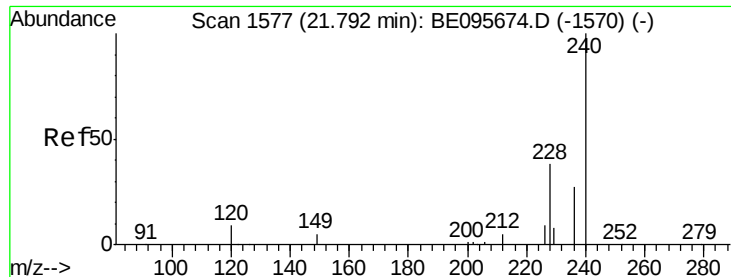


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.79 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampled :

PB106752BS

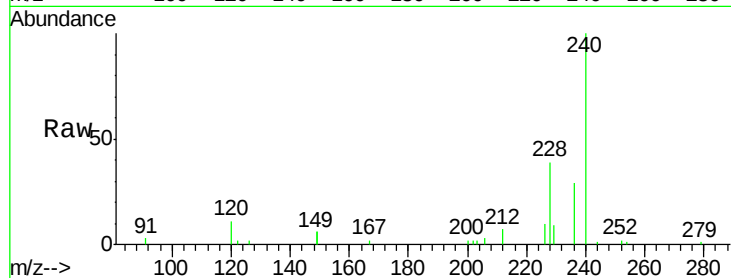
Tot Ion:240 Resp: 6427

Ion Ratio Lower Upper

240 100

120 11.5 5.5 8.3#

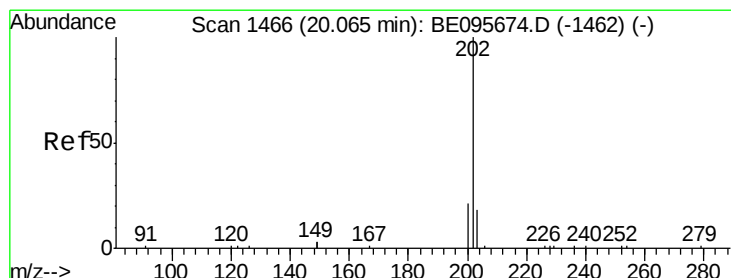
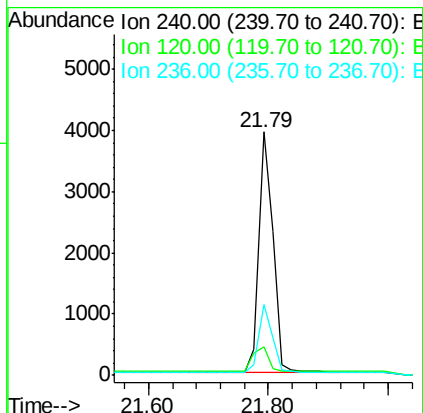
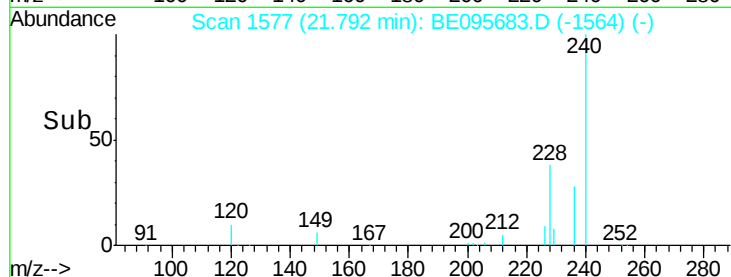
236 29.1 20.7 31.1



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: 0.34 ng

RT: 20.06 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

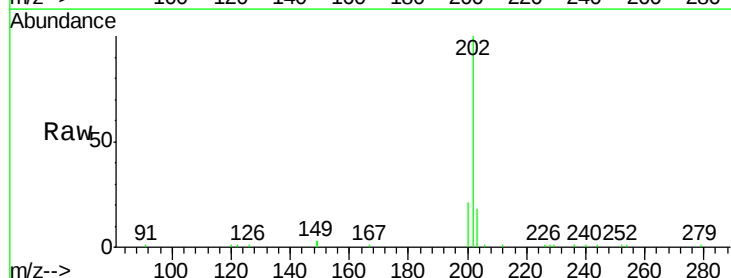
Tgt Ion:202 Resp: 8891

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

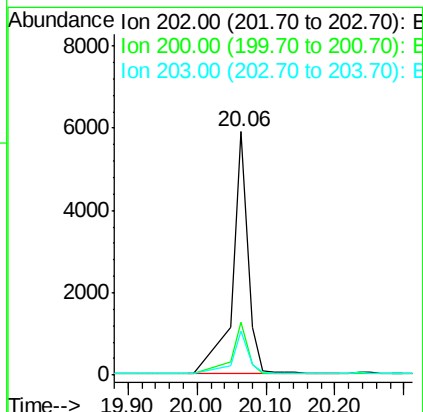
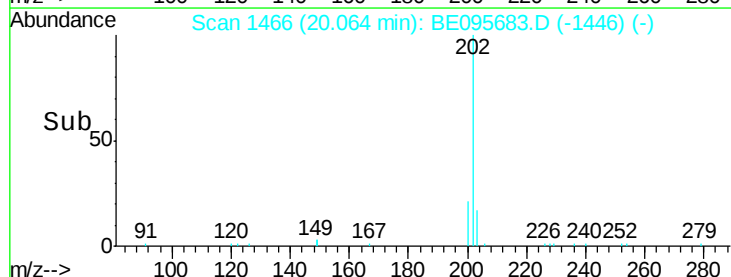
203 17.1 13.8 20.8



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: 0.41 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

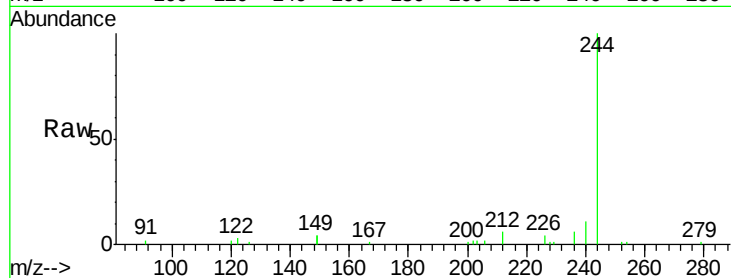
Tot Ion:244 Resp: 5218

Ion Ratio Lower Upper

244 100

212 6.4 25.4 38.0#

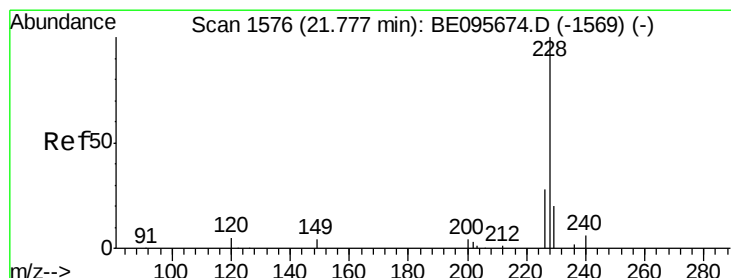
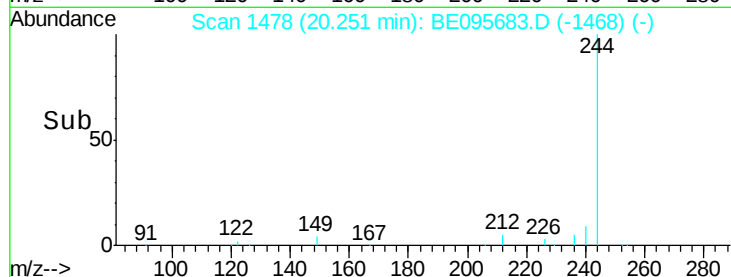
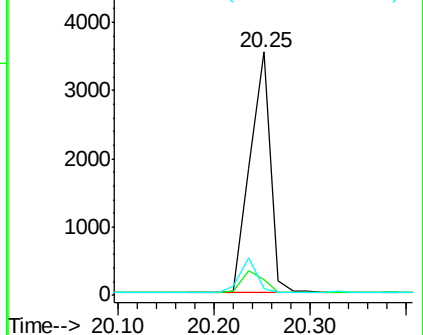
122 3.0 8.1 12.1#



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: 0.34 ng

RT: 21.78 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

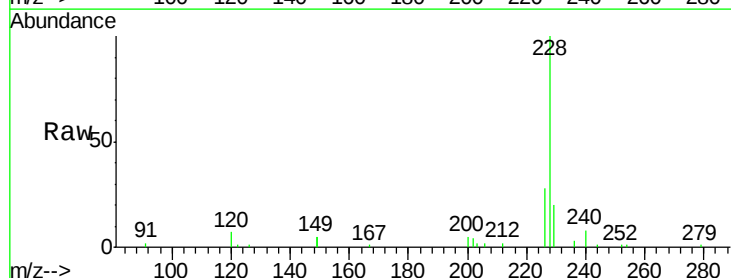
Tgt Ion:228 Resp: 7227

Ion Ratio Lower Upper

228 100

226 28.1 24.0 36.0

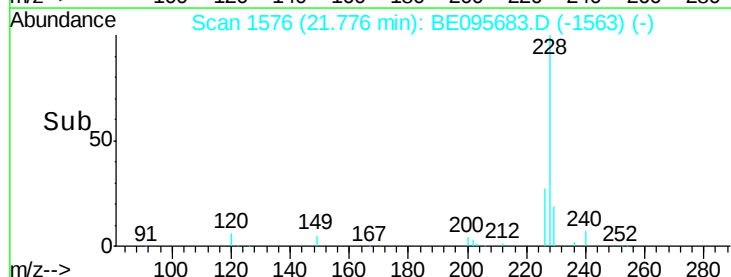
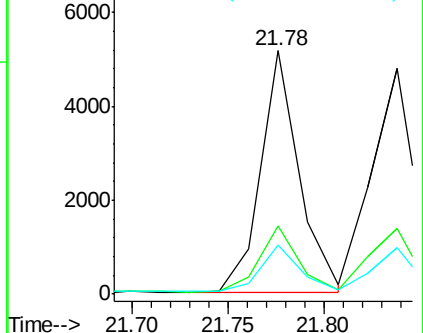
229 20.1 16.0 24.0

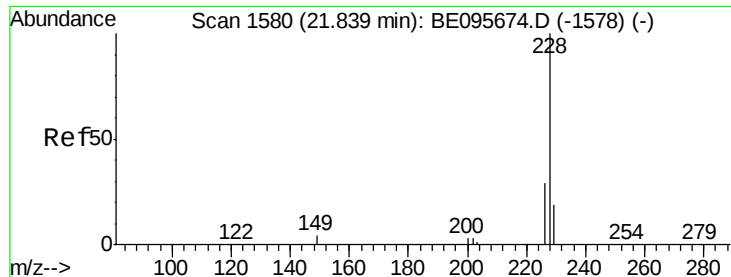


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.34 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

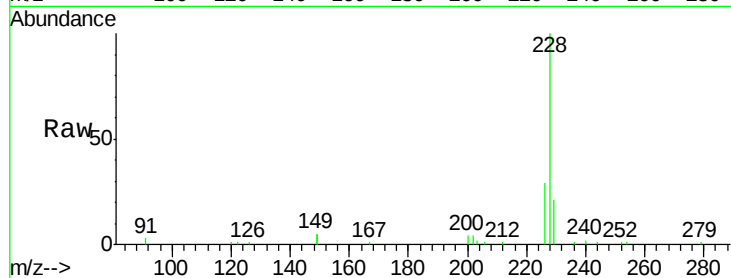
BNA_E

ClientSampleId :

PB106752BS

Tot Ion:228 Resp: 7129

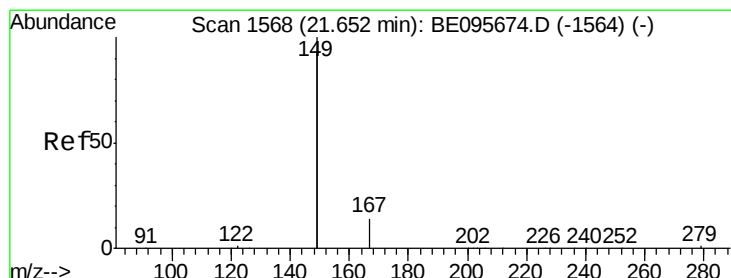
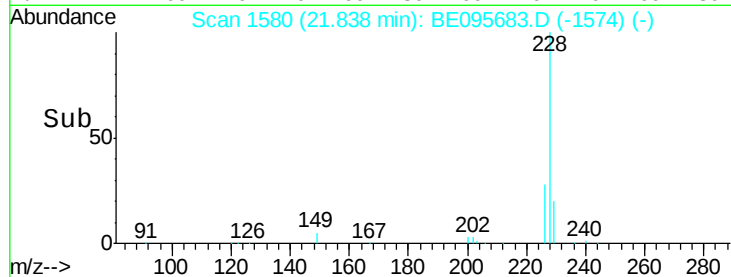
Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	20.5	16.0	24.0



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: 0.35 ng

RT: 21.65 min Scan# 1568

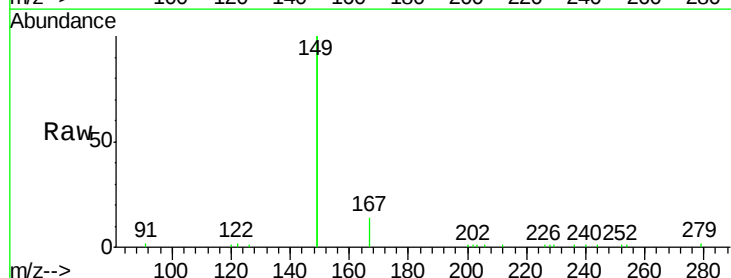
Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Tgt Ion:149 Resp: 13050

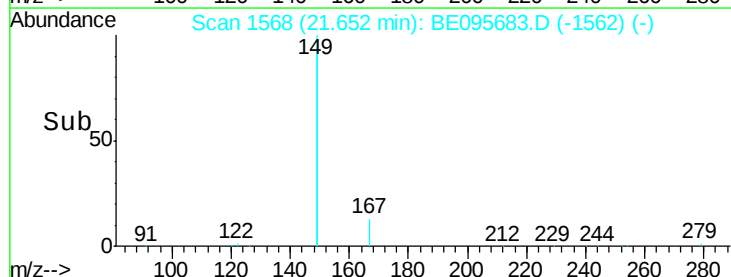
Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	0.8	0.7	1.1

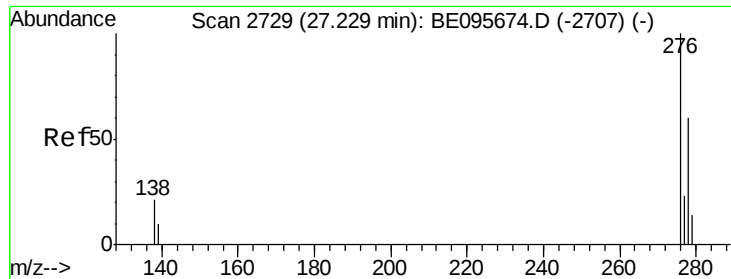


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.36 ng

RT: 27.23 min Scan# 2728

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

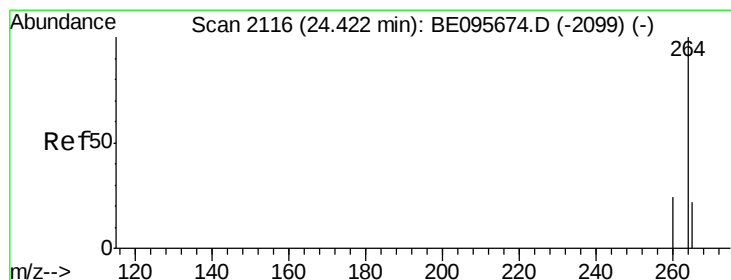
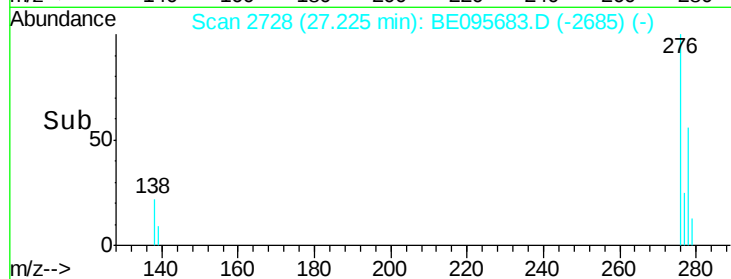
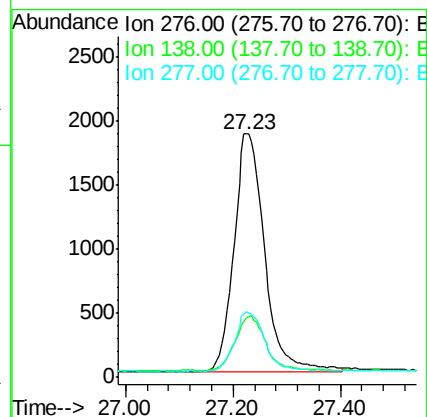
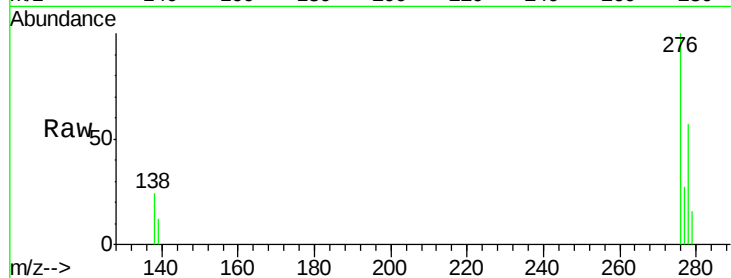
Tot Ion:276 Resp: 7363

Ion Ratio Lower Upper

276 100

138 22.3 22.5 33.7#

277 24.6 19.9 29.9



#34

Perylene-d12

Concen: 0.40 ng

RT: 24.42 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

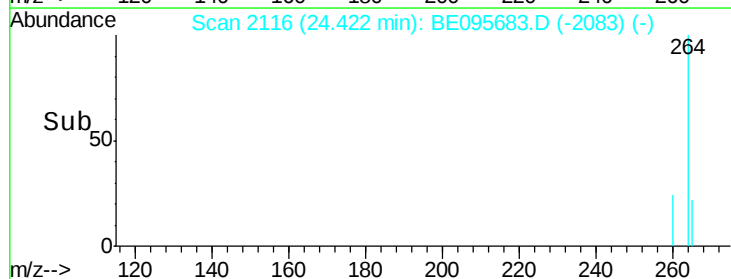
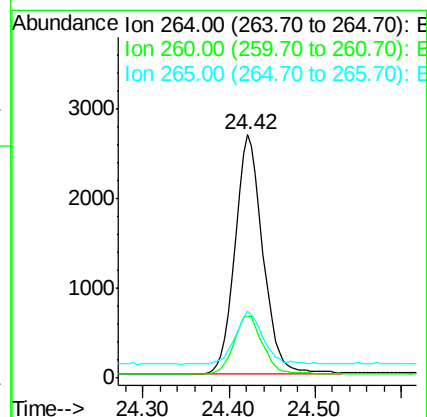
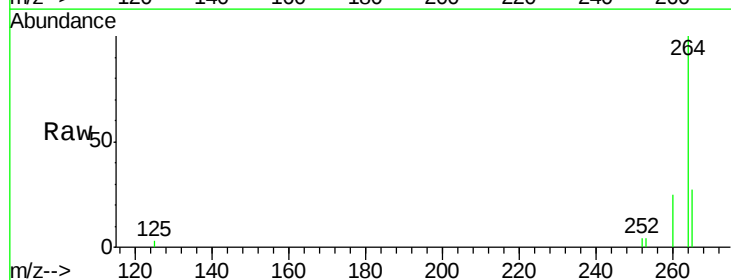
Tgt Ion:264 Resp: 6007

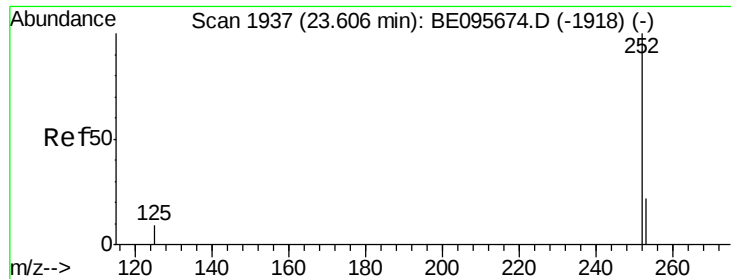
Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

265 27.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.33 ng

RT: 23.61 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

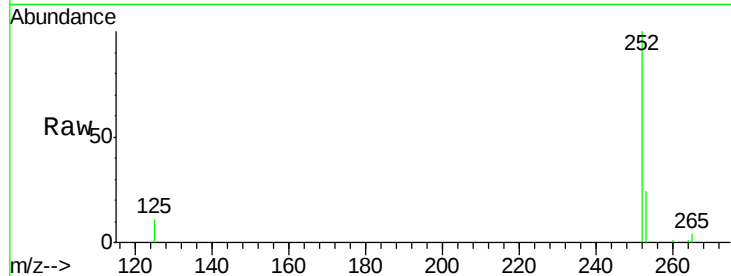
Tot Ion:252 Resp: 7100

Ion Ratio Lower Upper

252 100

253 23.8 20.0 30.0

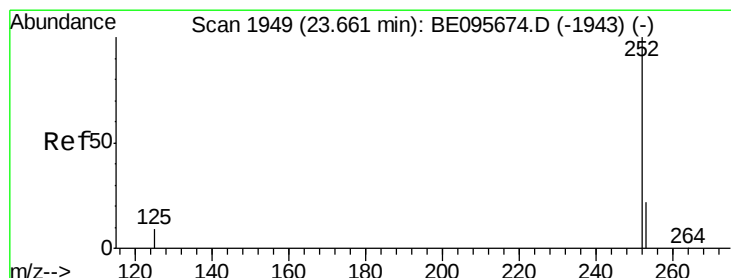
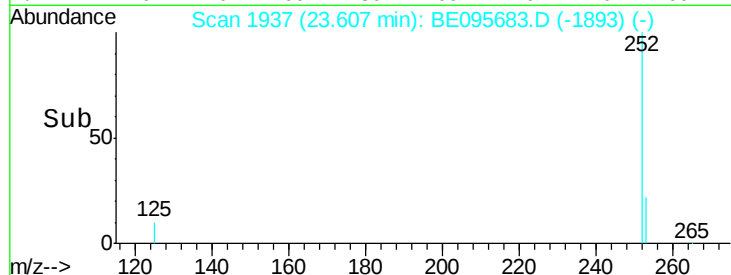
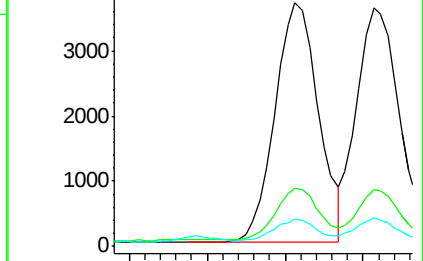
125 11.3 16.0 24.0#



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: 0.33 ng

RT: 23.66 min Scan# 1948

Delta R.T. -0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

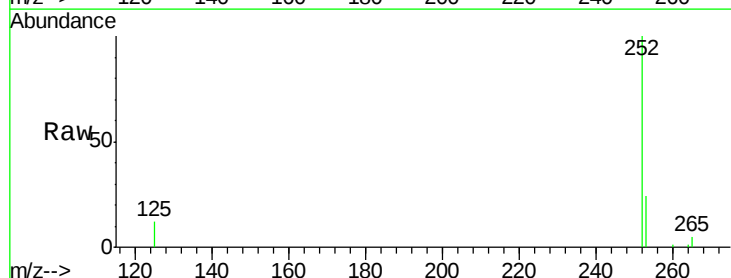
Tgt Ion:252 Resp: 6999

Ion Ratio Lower Upper

252 100

253 23.9 16.0 24.0

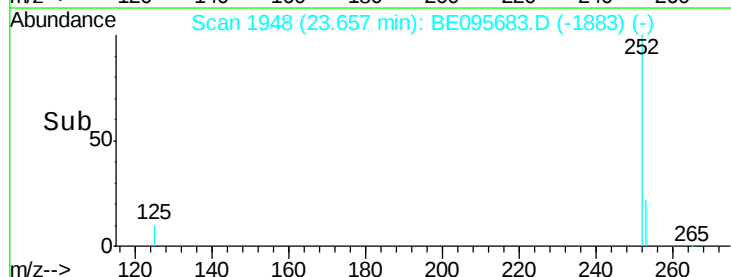
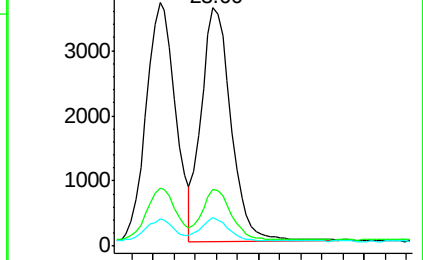
125 11.8 8.0 12.0

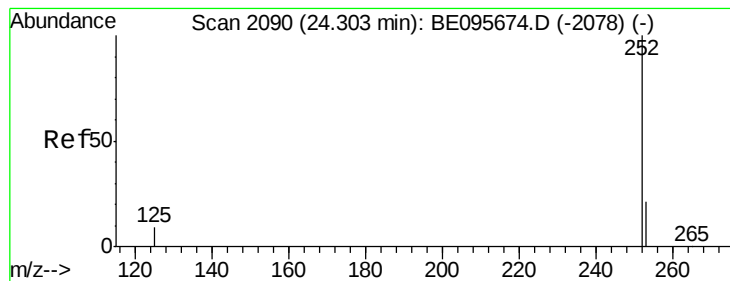


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.35 ng

RT: 24.30 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

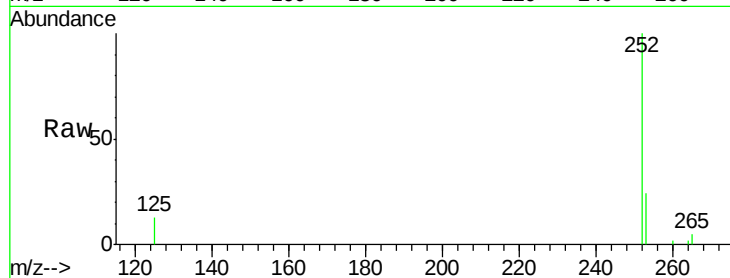
Tot Ion:252 Resp: 6724

Ion Ratio Lower Upper

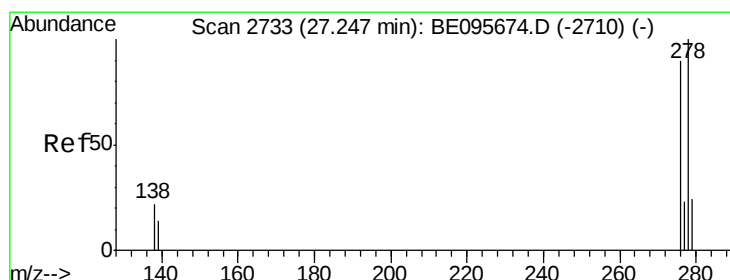
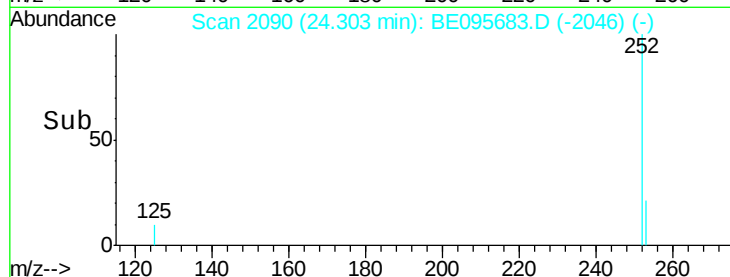
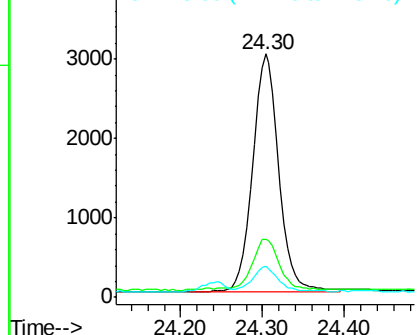
252 100

253 23.9 16.0 24.0

125 12.7 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: 0.34 ng

RT: 27.25 min Scan# 2733

Delta R.T. 0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

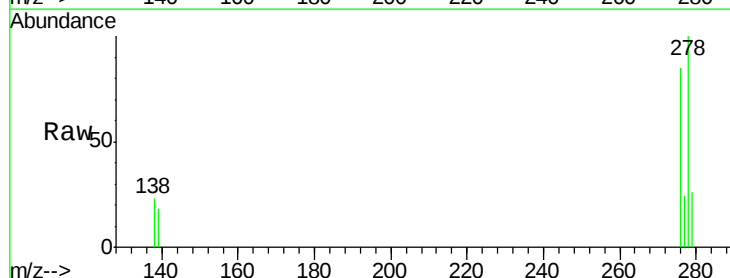
Tgt Ion:278 Resp: 5818

Ion Ratio Lower Upper

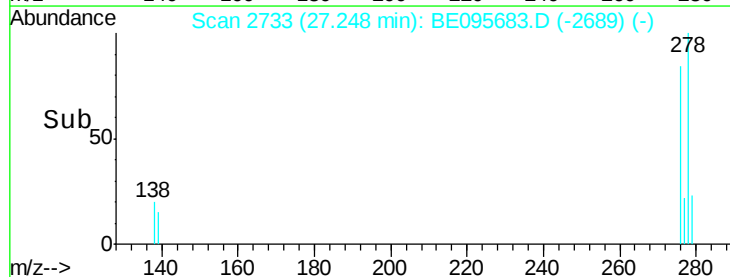
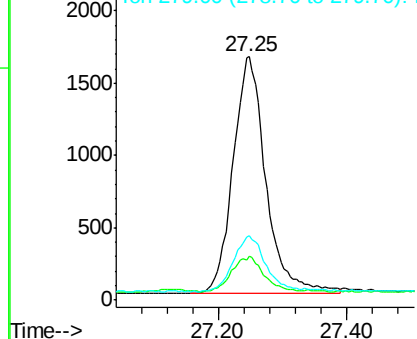
278 100

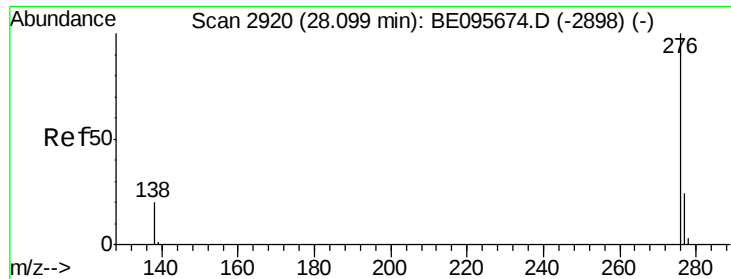
139 17.9 16.0 24.0

279 26.4 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: 0.34 ng

RT: 28.10 min Scan# 2920

Delta R.T. 0.00 min

Lab File: BE095683.D

Acq: 23 Feb 2018 15:07

Instrument :

BNA_E

ClientSampleId :

PB106752BS

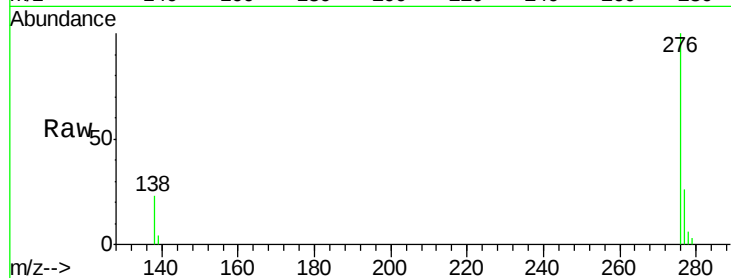
Tot Ion: 276 Resp: 6325

Ion Ratio Lower Upper

276 100

277 25.5 16.0 24.0#

138 22.9 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

