

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021318\
 Data File : BE095664.D
 Acq On : 12 Feb 2018 16:44
 Operator : SJ/JU
 Sample : PB106393BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 13 03:26:04 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 20:27:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1156	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4135	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	2125	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	4872	0.40	ng	0.00
27) Chrysene-d12	21.79	240	5438	0.40	ng	0.00
34) Perylene-d12	24.43	264	5222	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	1029	0.30	ng	0.00
5) Phenol-d6	7.56	99	1382	0.29	ng	0.00
8) Nitrobenzene-d5	9.53	82	130	0.03	ng	-0.08
11) 2-Methylnaphthalene-d10	12.80	152	2006	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	260	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	3224	0.35	ng	-0.02
25) Fluoranthene-d10	19.69	212	19883	0.31	ng	0.00
29) Terphenyl-d14	20.25	244	3837	0.33	ng	0.00

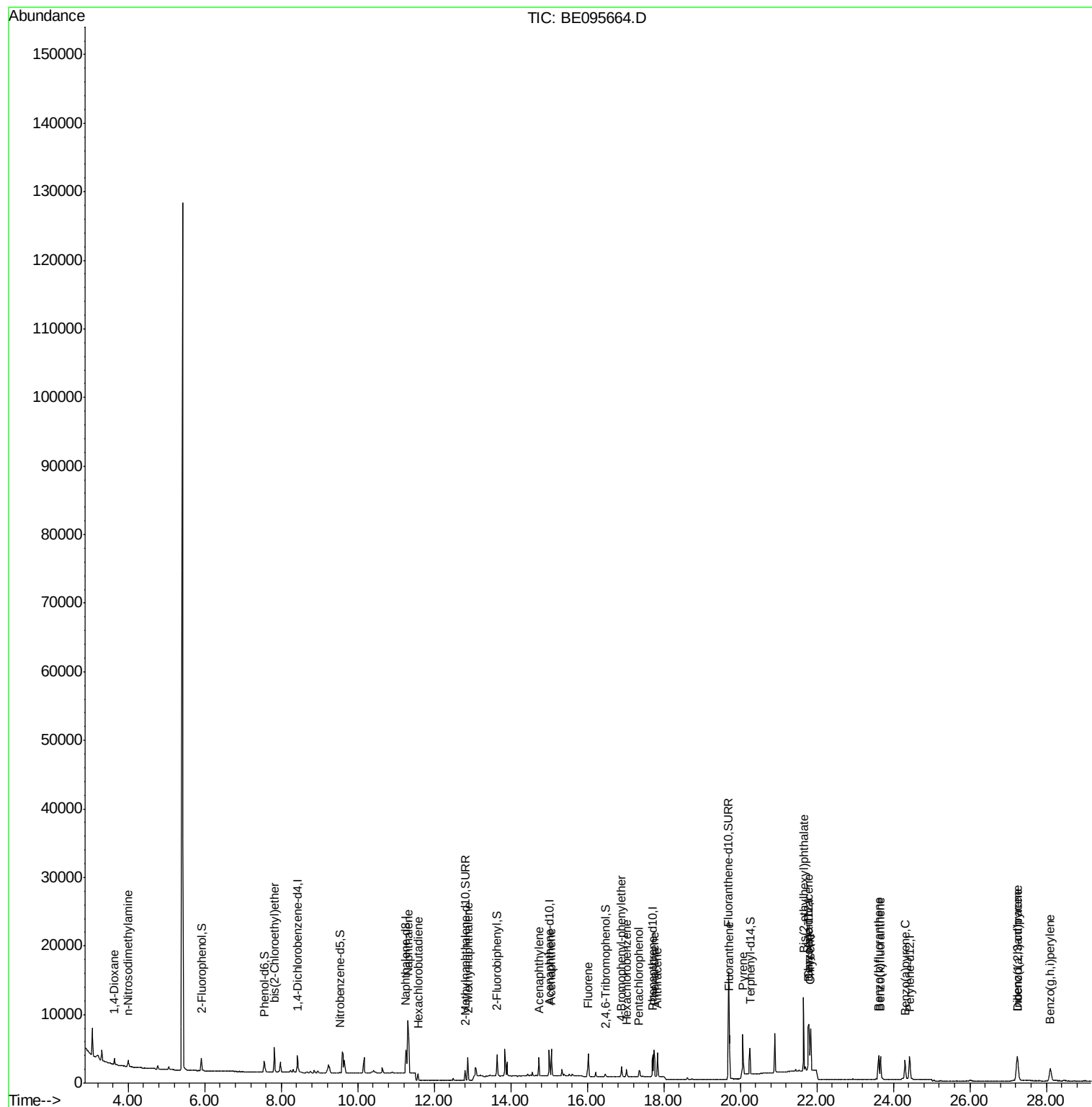
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.64	88	480	0.25	ng	# 24
3) n-Nitrosodimethylamine	3.99	42	710	0.29	ng	# 84
6) bis(2-Chloroethyl)ether	7.82	93	1190	0.27	ng	97
9) Naphthalene	11.31	128	13828	0.29	ng	99
10) Hexachlorobutadiene	11.57	225	807	0.31	ng	97
12) 2-Methylnaphthalene	12.88	142	2320	0.28	ng	95
16) Acenaphthylene	14.73	152	3288	0.27	ng	100
17) Acenaphthene	15.06	154	2088	0.28	ng	97
18) Fluorene	16.02	166	2562	0.27	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	870	0.30	ng	# 64
21) Hexachlorobenzene	17.03	284	846	0.28	ng	# 81
22) Pentachlorophenol	17.35	266	546	0.60	ng	# 76
23) Phenanthrene	17.74	178	4326	0.29	ng	99
24) Anthracene	17.83	178	4008	0.29	ng	95
26) Fluoranthene	19.72	202	5500	0.29	ng	97
28) Pyrene	20.06	202	5684	0.25	ng	# 94
30) Benzo(a)anthracene	21.78	228	5408	0.30	ng	98
31) Chrysene	21.84	228	5244	0.29	ng	99
32) Bis(2-ethylhexyl)phthalate	21.65	149	11748	0.28	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	5511	0.32	ng	# 94
35) Benzo(b)fluoranthene	23.61	252	5271	0.30	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	4959	0.27	ng	# 90
37) Benzo(a)pyrene	24.31	252	4914	0.30	ng	# 92
38) Dibenzo(a,h)anthracene	27.25	278	4494	0.31	ng	96
39) Benzo(g,h,i)perylene	28.10	276	4695	0.30	ng	# 92

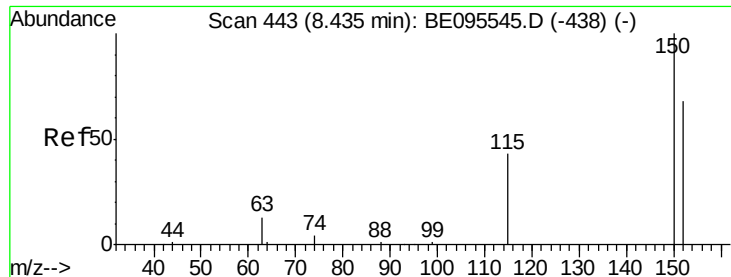
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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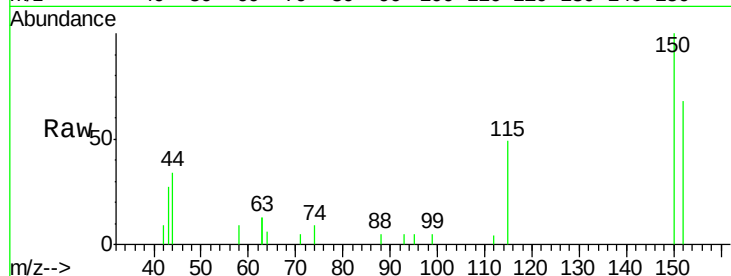


#1

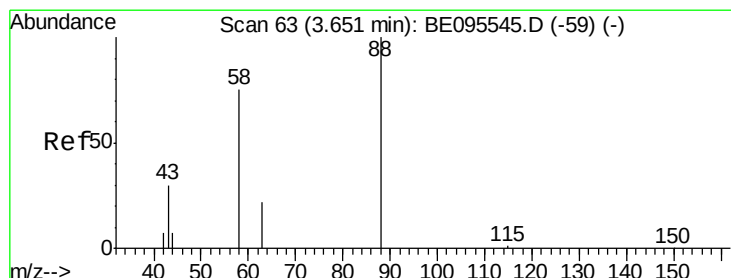
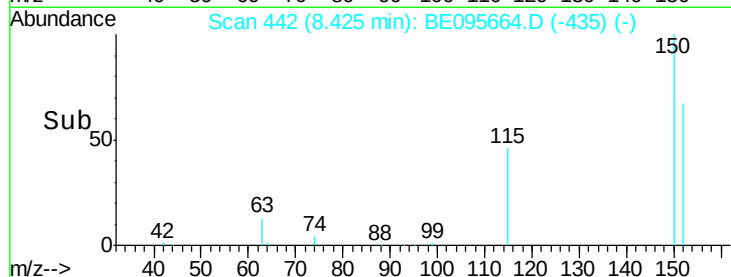
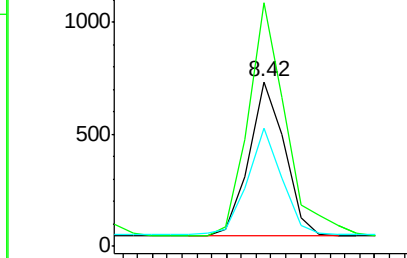
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 8.42 min Scan# 442
Delta R.T. -0.01 min
Lab File: BE095664.D
Acq: 12 Feb 2018 16:44

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1156
Ion Ratio Lower Upper
152 100
150 147.8 117.2 175.8
115 71.7 57.0 85.6



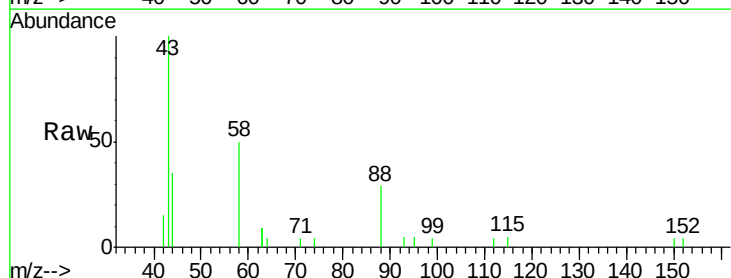
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



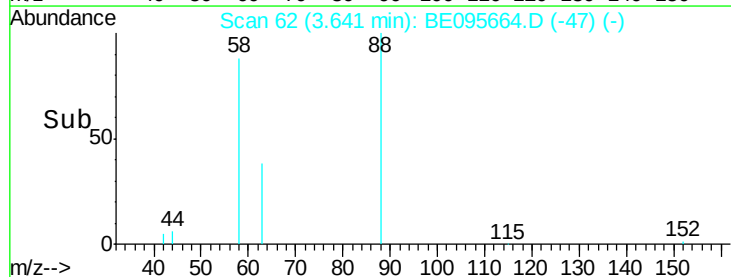
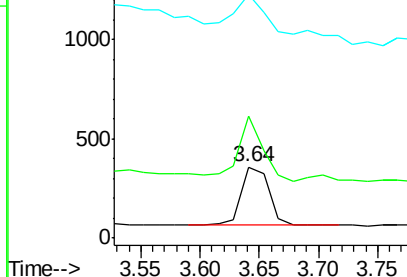
#2

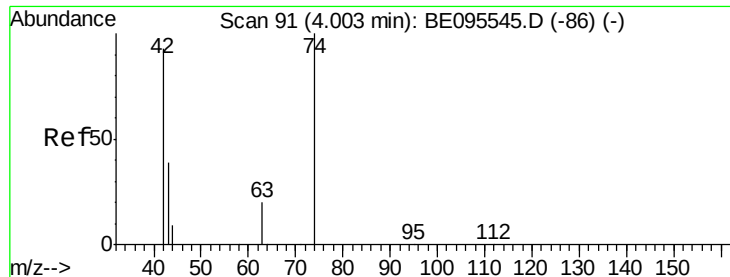
1,4-Dioxane
Concen: 0.25 ng
RT: 3.64 min Scan# 62
Delta R.T. -0.01 min
Lab File: BE095664.D
Acq: 12 Feb 2018 16:44

Tgt Ion: 88 Resp: 480
Ion Ratio Lower Upper
88 100
58 100.6 63.2 94.8#
43 160.2 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: 0.29 ng

RT: 3.99 min Scan# 90

Delta R.T. -0.01 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

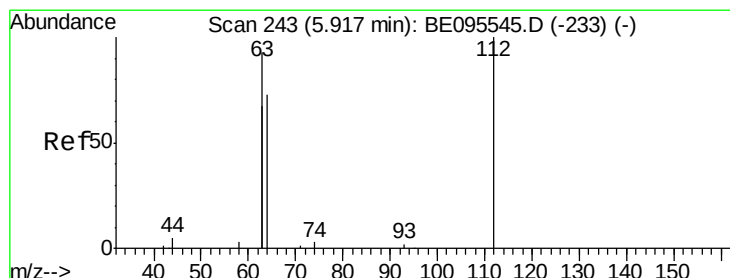
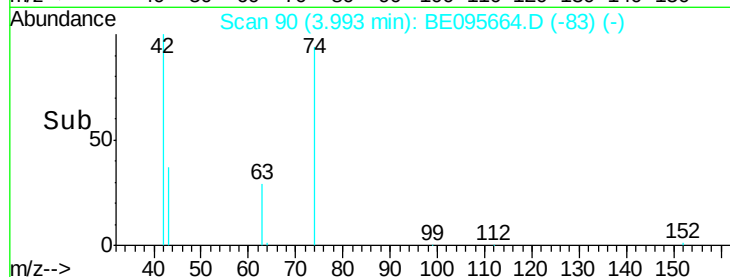
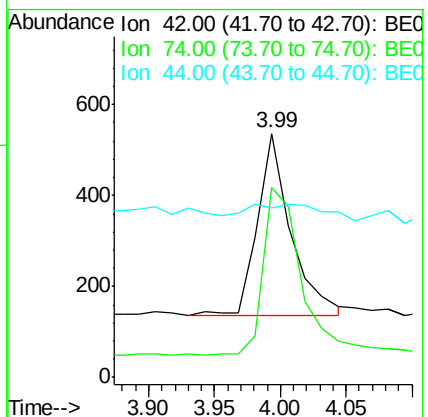
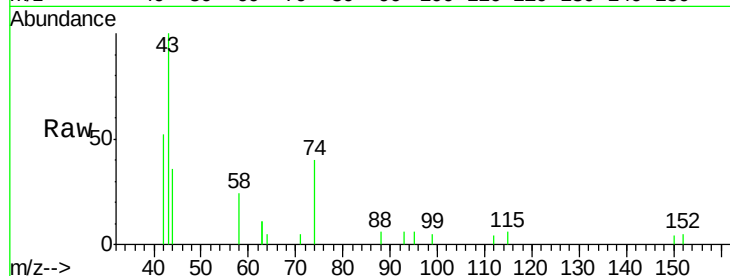
Tot Ion: 42 Resp: 710

Ion Ratio Lower Upper

42 100

74 100.7 96.0 144.0

44 11.7 12.0 18.0#



#4

2-Fluorophenol

Concen: 0.30 ng

RT: 5.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

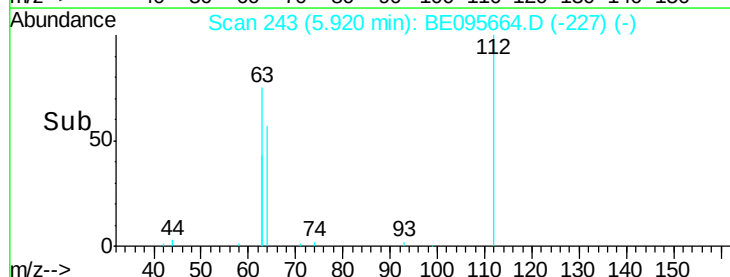
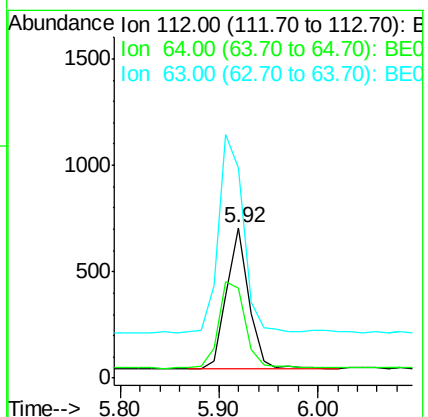
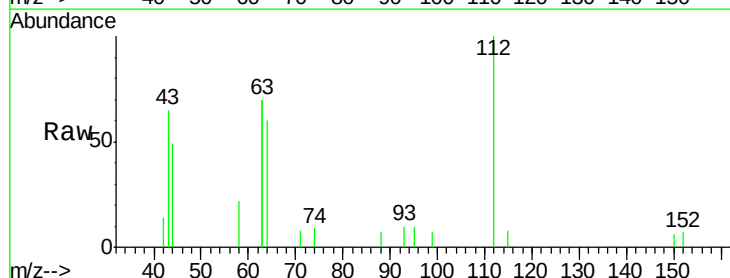
Tgt Ion: 112 Resp: 1029

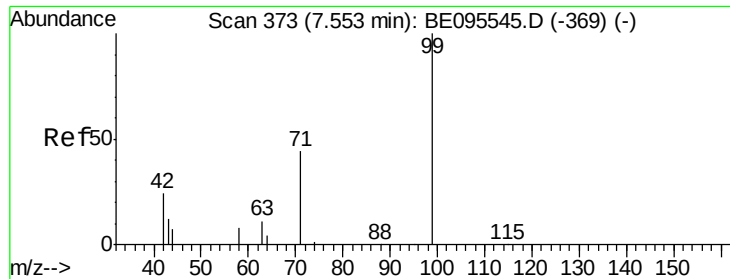
Ion Ratio Lower Upper

112 100

64 75.1 60.1 90.1

63 160.3 116.8 175.2





#5

Phenol-d6

Concen: 0.29 ng

RT: 7.56 min Scan# 373

Delta R.T. -0.01 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampled :

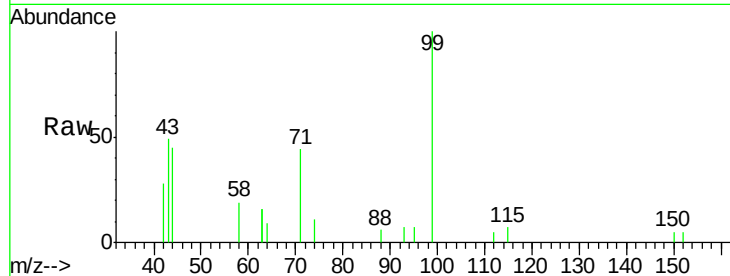
Tot Ion: 99 Resp: 1382

Ion Ratio Lower Upper

99 100

42 24.7 20.2 30.2

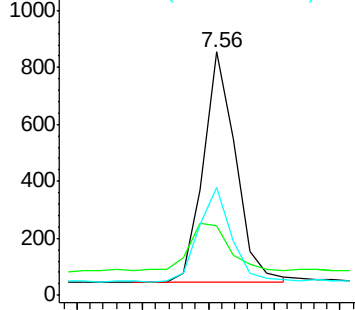
71 40.5 28.4 42.6



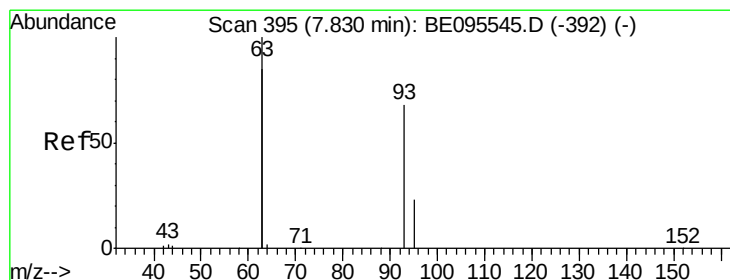
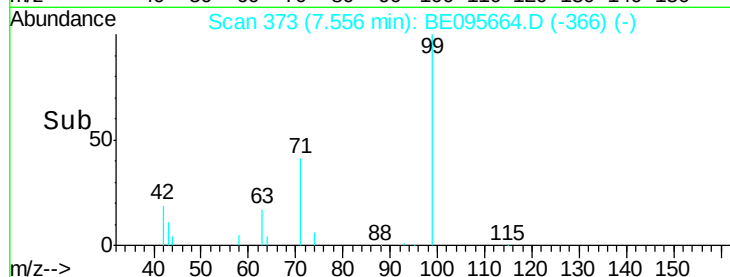
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.27 ng

RT: 7.82 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

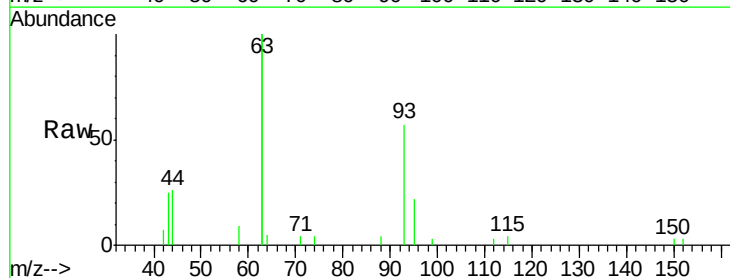
Tgt Ion: 93 Resp: 1190

Ion Ratio Lower Upper

93 100

63 349.7 275.3 412.9

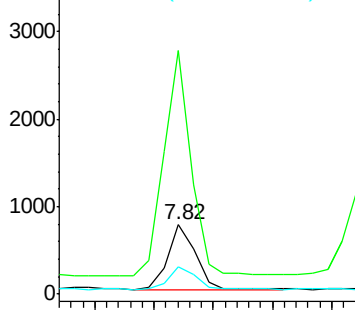
95 34.9 25.2 37.8



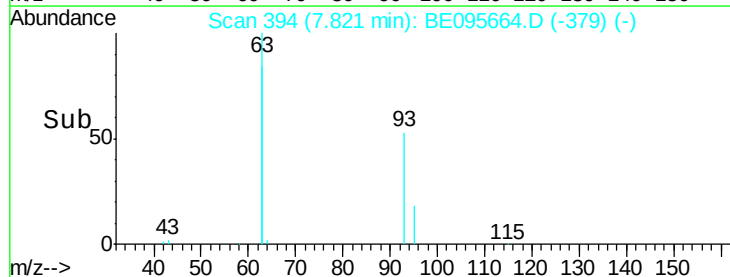
Abundance Ion 93.00 (92.70 to 93.70): BE0

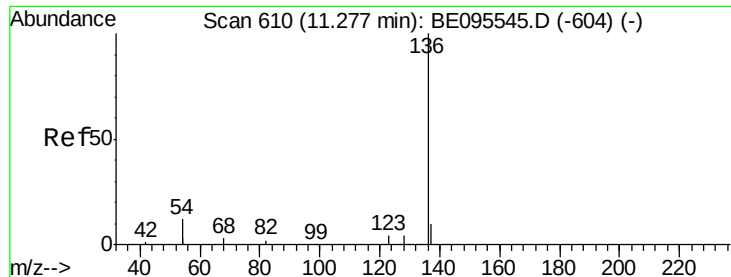
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.26 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4135

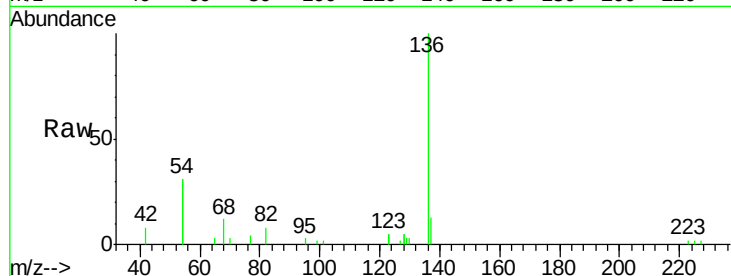
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 61.0 29.1 43.7#

68 12.3 6.2 9.2#

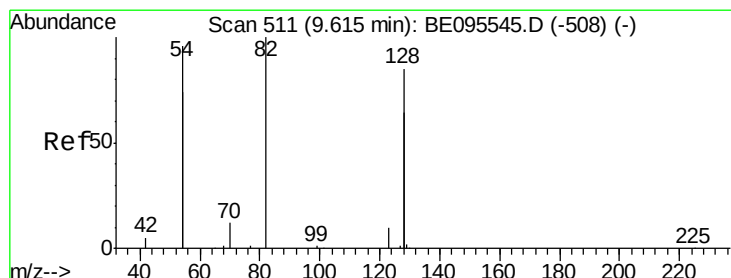
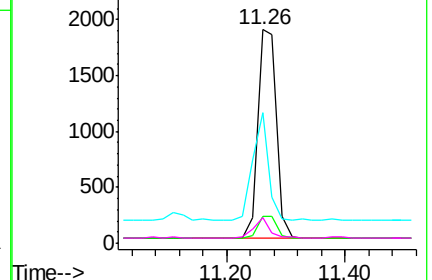
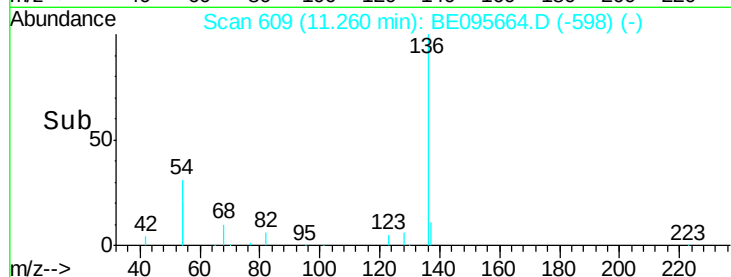


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.03 ng

RT: 9.53 min Scan# 506

Delta R.T. -0.08 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

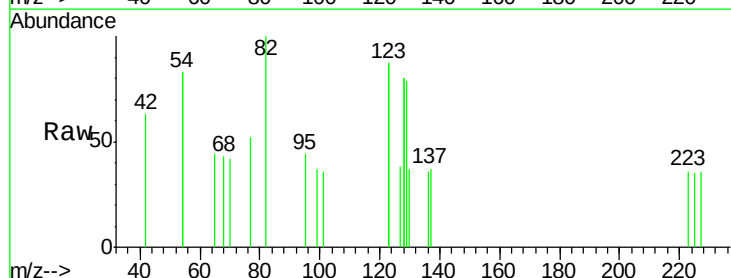
Tgt Ion: 82 Resp: 130

Ion Ratio Lower Upper

82 100

128 160.3 150.0 225.0

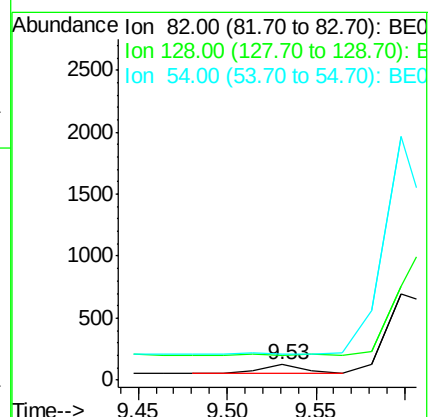
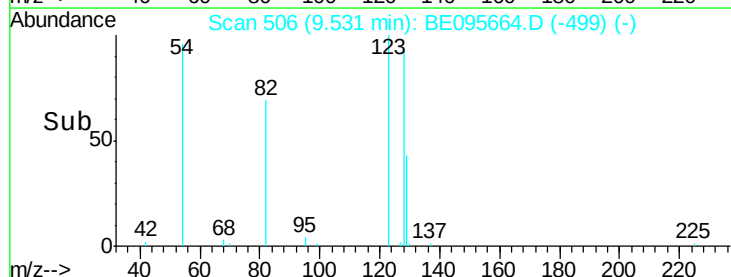
54 166.7 154.2 231.4

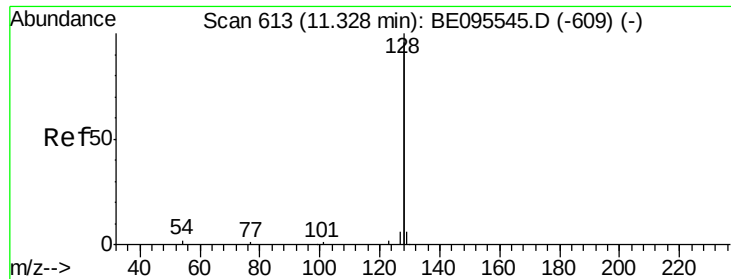


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.29 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampled :

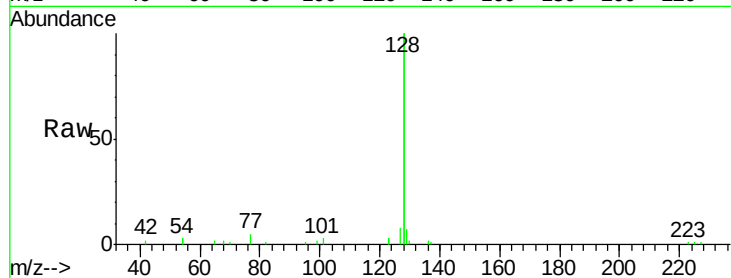
Tot Ion:128 Resp: 13828

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

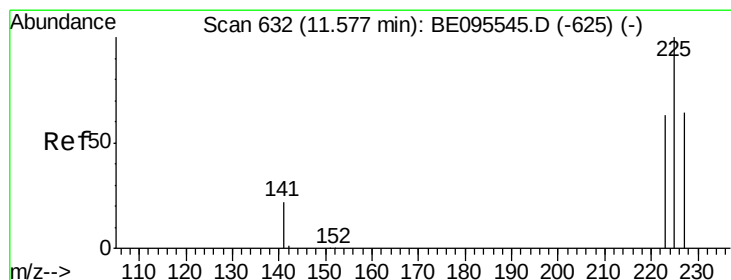
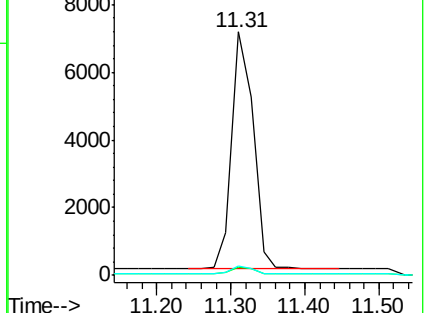
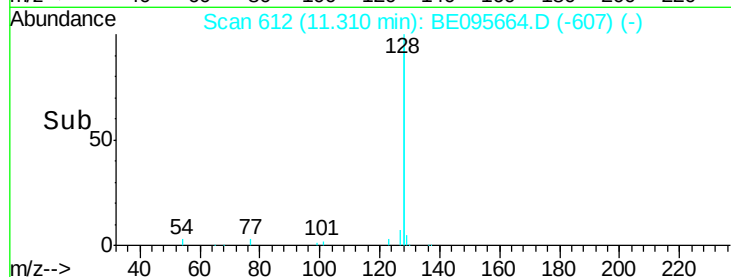
127 4.0 2.8 4.2



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: 0.31 ng

RT: 11.57 min Scan# 631

Delta R.T. -0.01 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

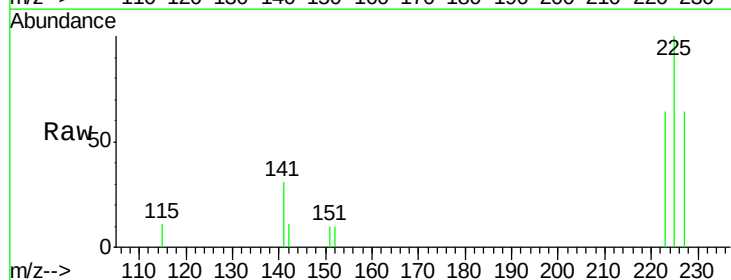
Tgt Ion:225 Resp: 807

Ion Ratio Lower Upper

225 100

223 62.2 53.0 79.6

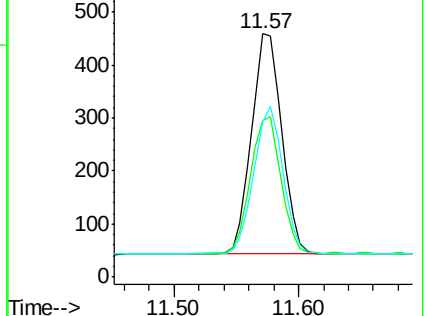
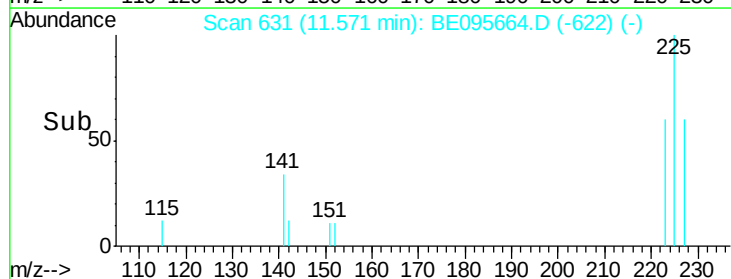
227 65.1 51.4 77.2

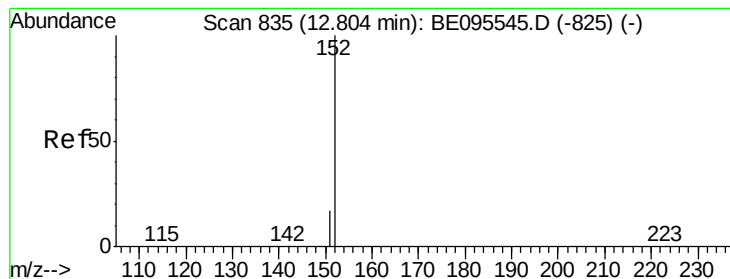


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.29 ng

RT: 12.80 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

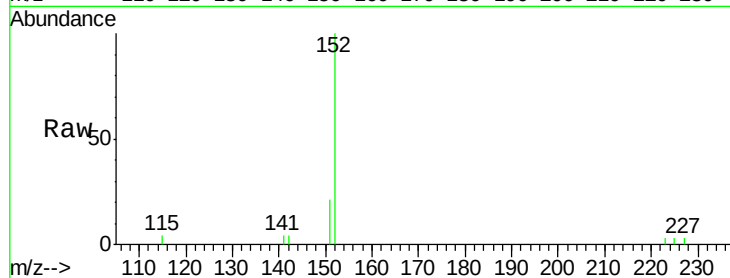
ClientSampleId :

Tot Ion:152 Resp: 2006

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.80

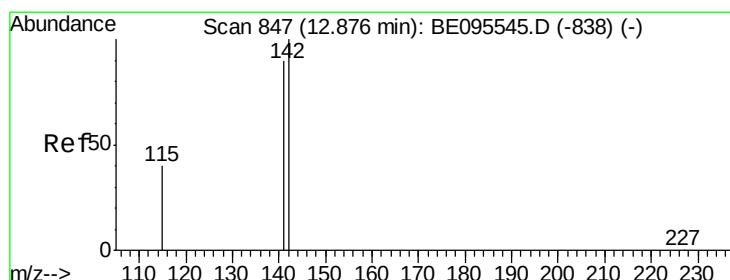
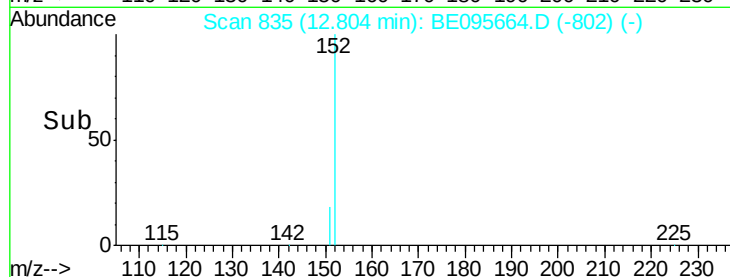
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.28 ng

RT: 12.88 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

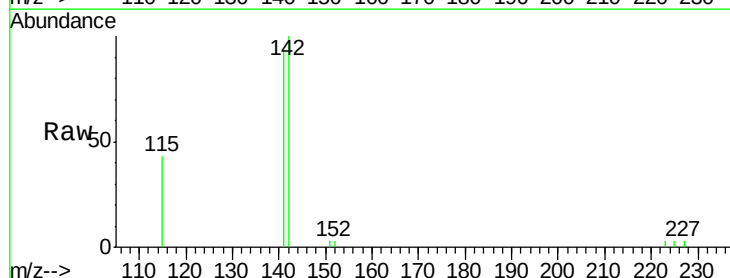
Tgt Ion:142 Resp: 2320

Ion Ratio Lower Upper

142 100

141 92.7 70.4 105.6

115 43.1 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

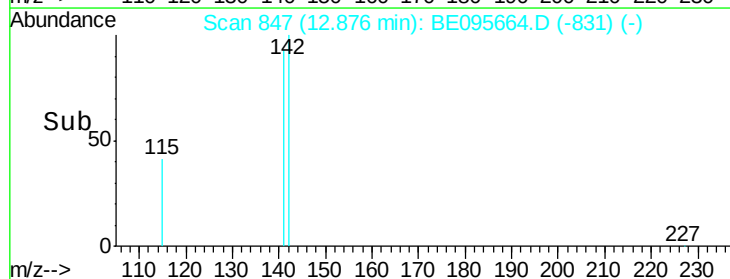
1500

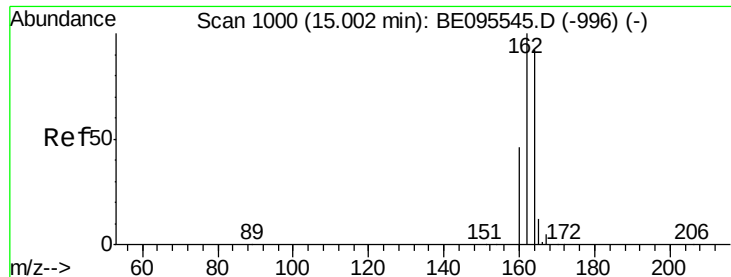
1000

500

0

Time-->

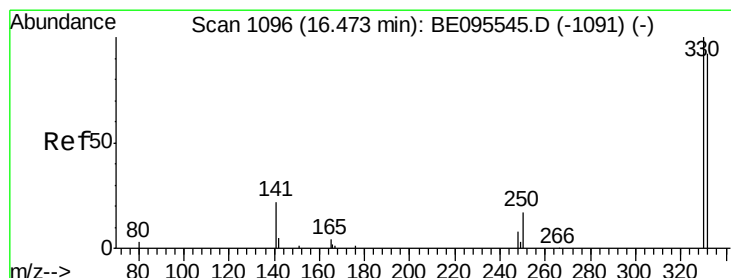
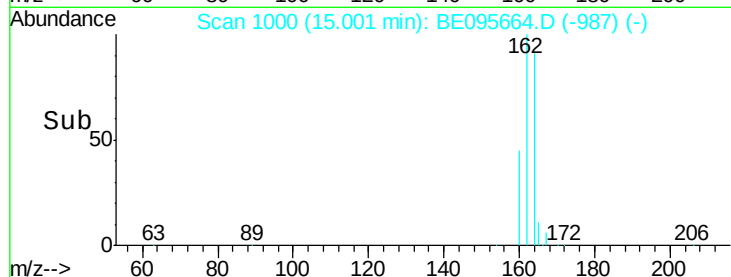
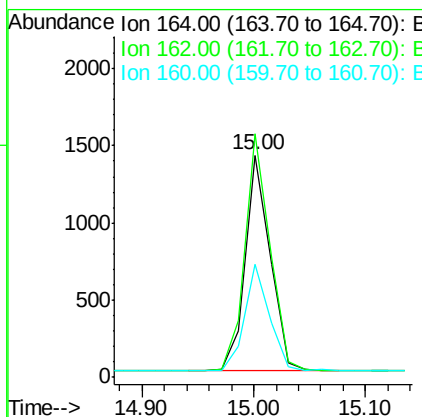
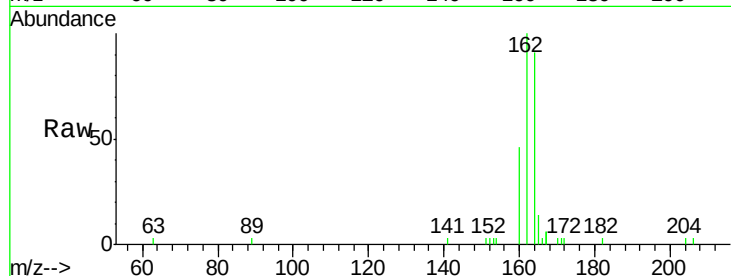




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095664.D
Acq: 12 Feb 2018 16:44

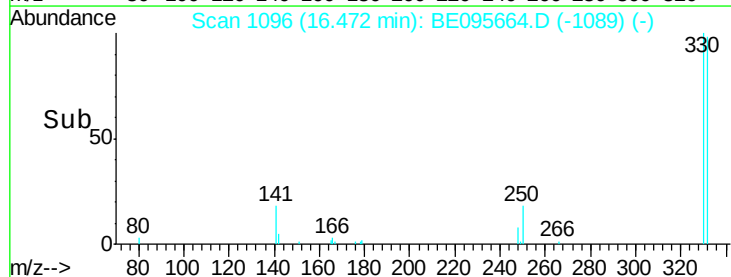
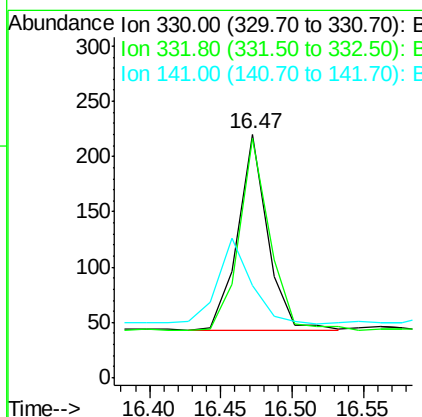
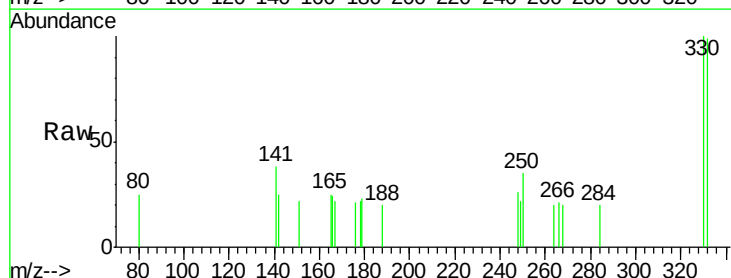
Instrument :
BNA_E
ClientSampleId :

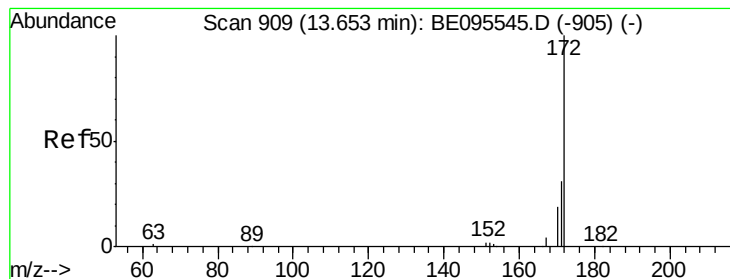
Tot Ion:164 Resp: 2125
Ion Ratio Lower Upper
164 100
162 109.7 83.1 124.7
160 50.7 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.27 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095664.D
Acq: 12 Feb 2018 16:44

Tgt Ion:330 Resp: 260
Ion Ratio Lower Upper
330 100
332 101.5 152.7 229.1#
141 48.5 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.35 ng

RT: 13.64 min Scan# 908

Delta R.T. -0.02 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

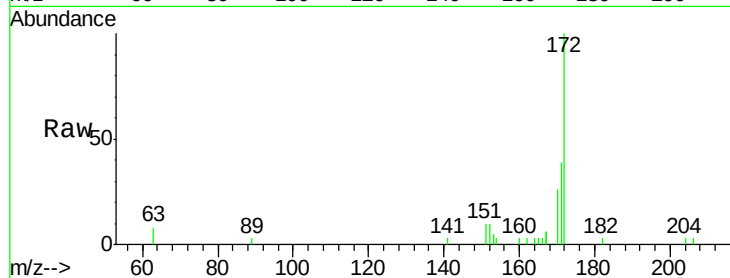
Tot Ion:172 Resp: 3224

Ion Ratio Lower Upper

172 100

171 39.0 29.9 44.9

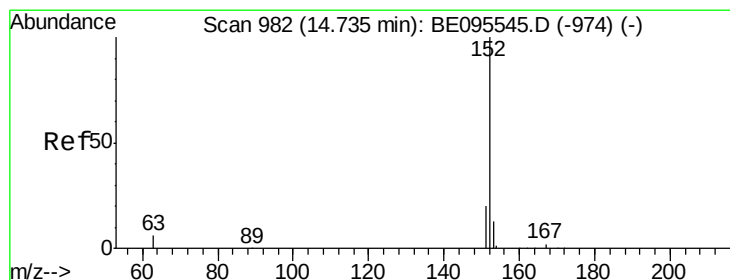
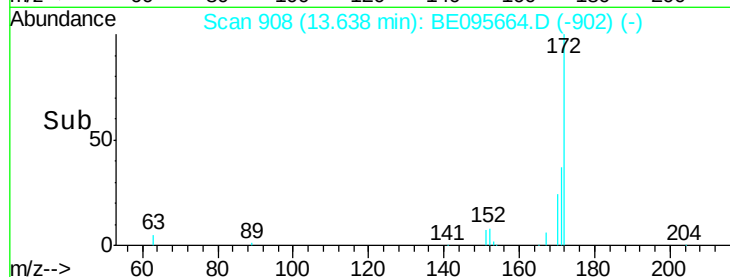
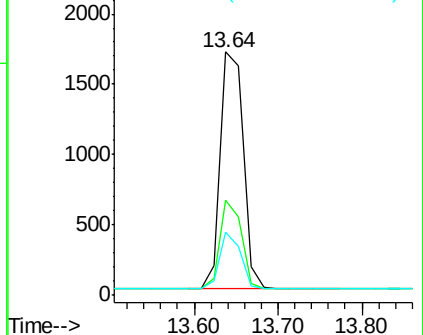
170 25.7 21.8 32.8



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: 0.27 ng

RT: 14.73 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

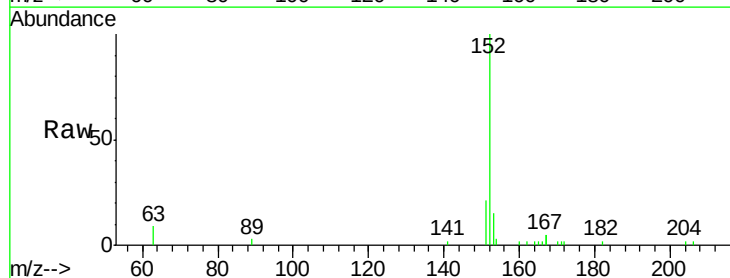
Tgt Ion:152 Resp: 3288

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

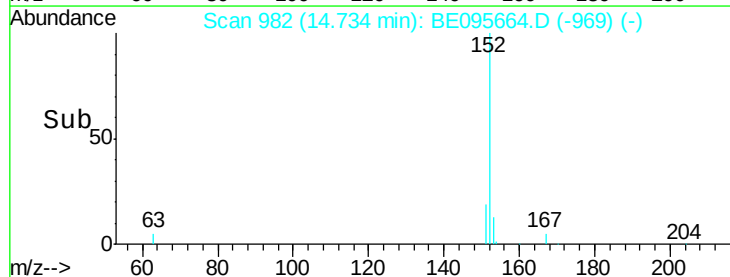
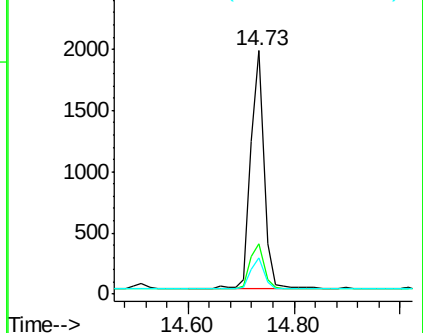
153 13.1 10.5 15.7

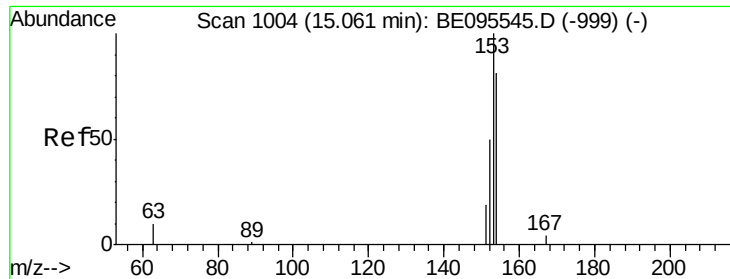


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.28 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

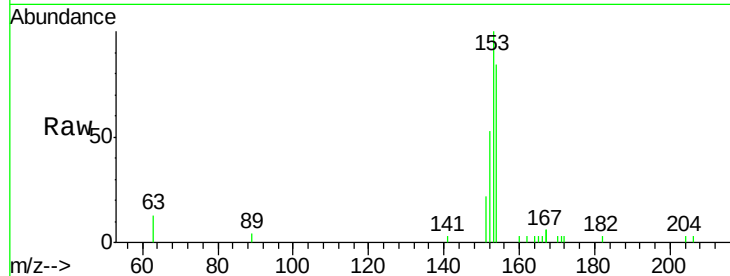
Tot Ion:154 Resp: 2088

Ion Ratio Lower Upper

154 100

153 113.6 89.2 133.8

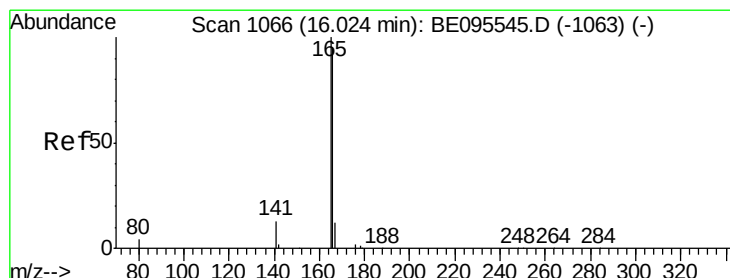
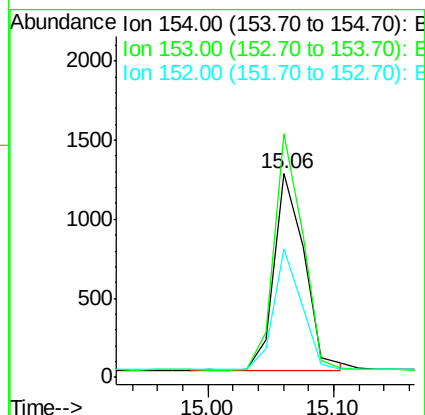
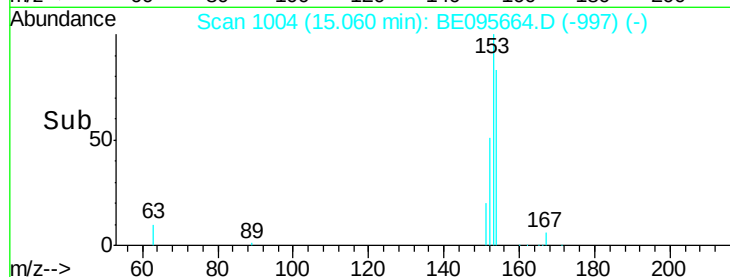
152 56.8 42.0 63.0



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: 0.27 ng

RT: 16.02 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

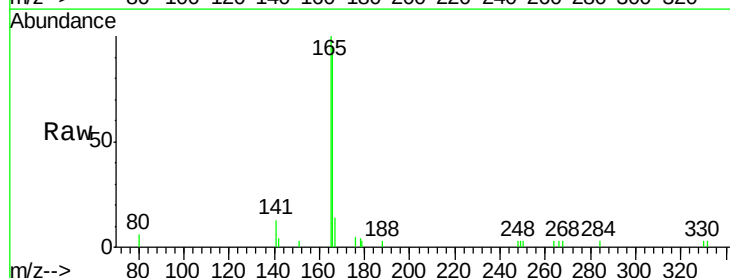
Tgt Ion:166 Resp: 2562

Ion Ratio Lower Upper

166 100

165 100.1 77.8 116.6

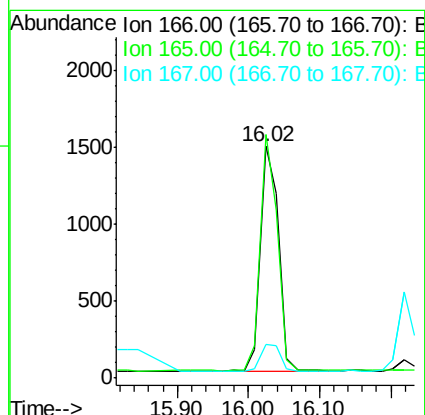
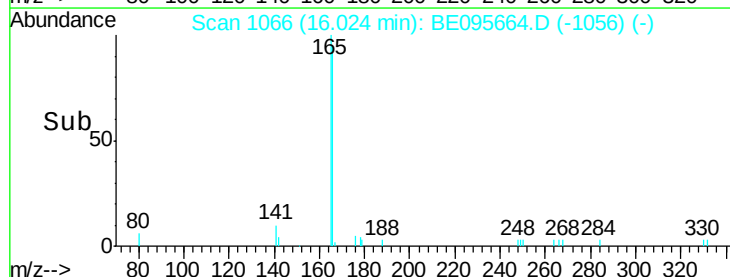
167 13.0 42.4 63.6#

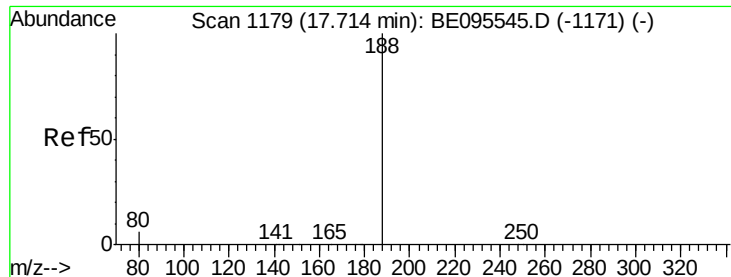


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.71 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

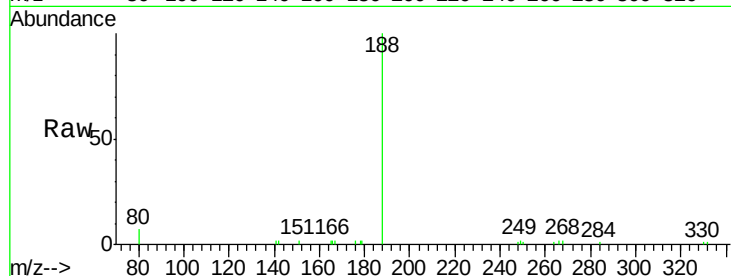
Tot Ion:188 Resp: 4872

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

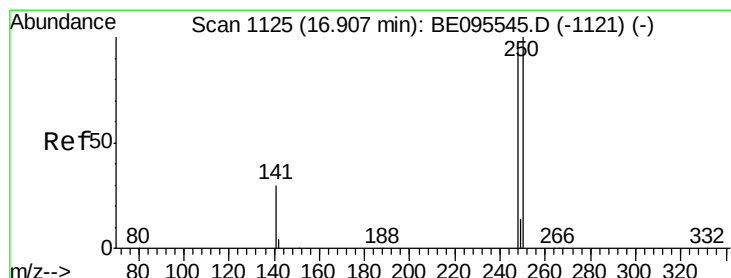
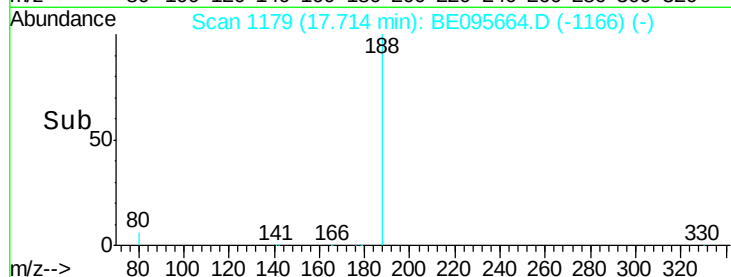
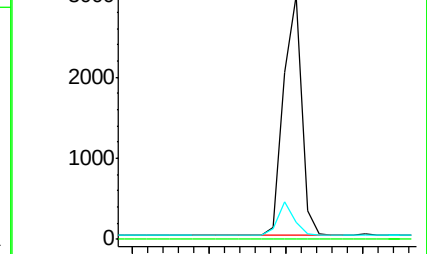
80 7.3 3.6 5.4#



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: 0.30 ng

RT: 16.89 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

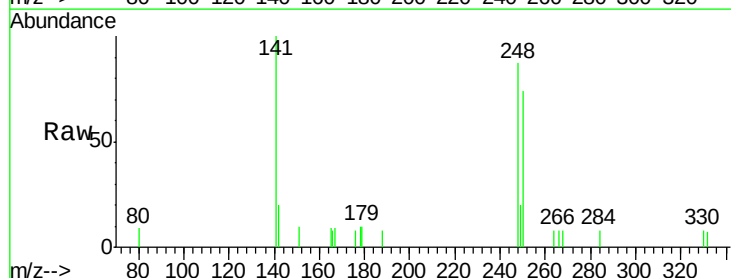
Tgt Ion:248 Resp: 870

Ion Ratio Lower Upper

248 100

250 85.6 62.7 94.1

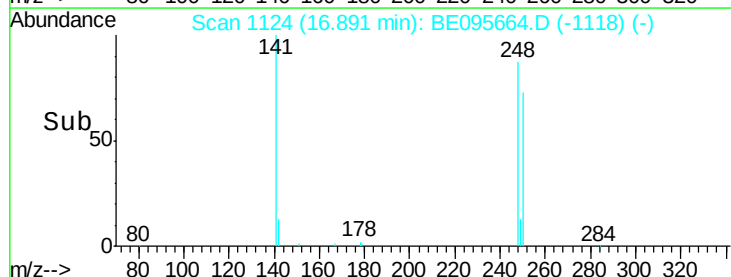
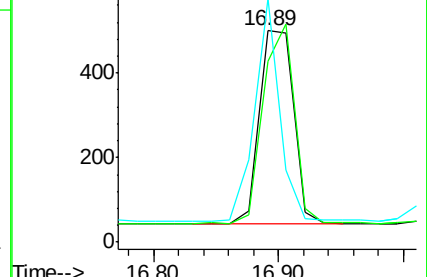
141 115.2 48.2 72.2#

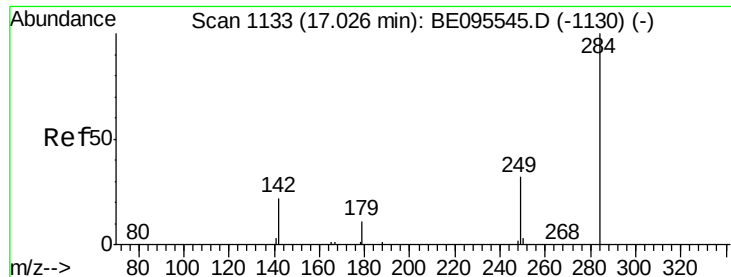


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

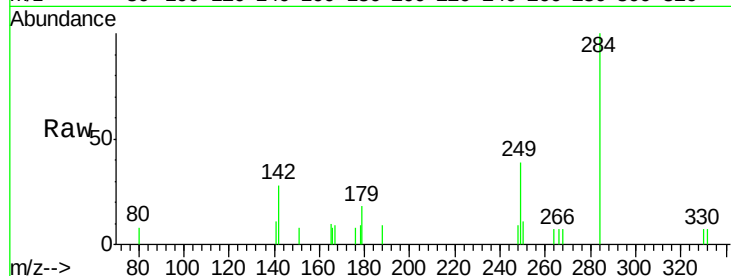




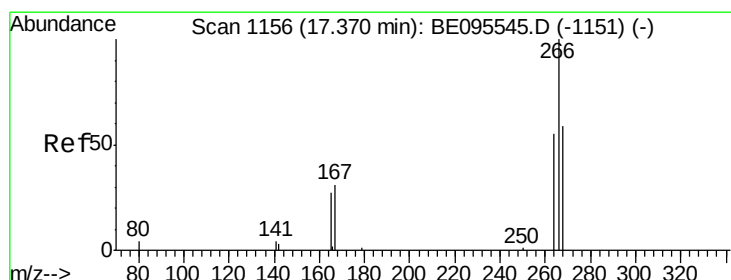
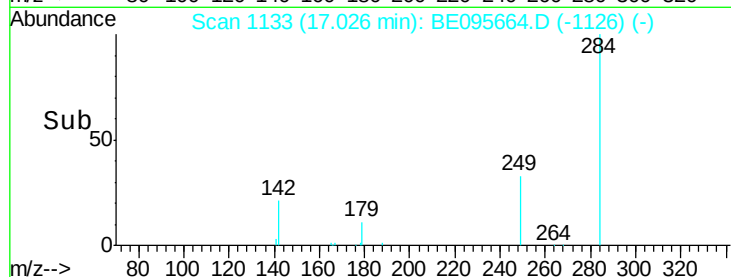
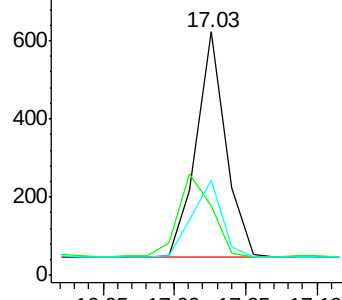
#21
Hexachlorobenzene
Concen: 0.28 ng
RT: 17.03 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BE095664.D
Acq: 12 Feb 2018 16:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 846
Ion Ratio Lower Upper
284 100
142 41.8 22.1 33.1#
249 34.2 34.8 52.2#

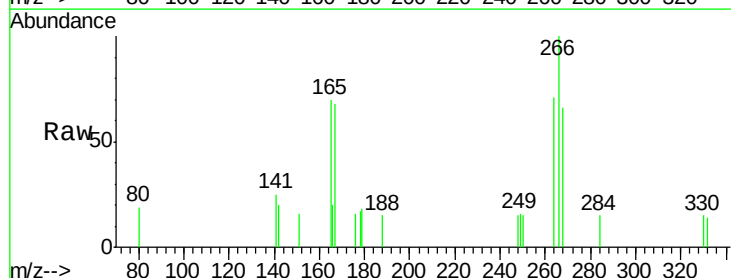


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

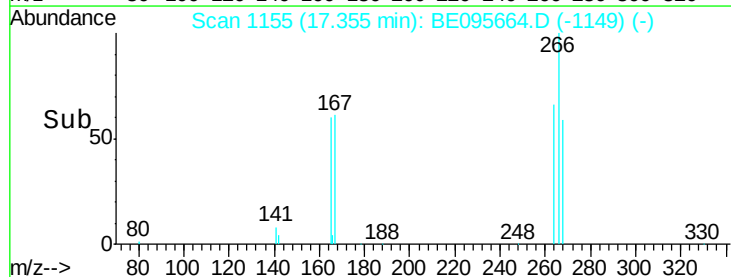
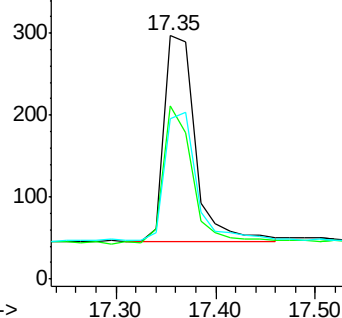


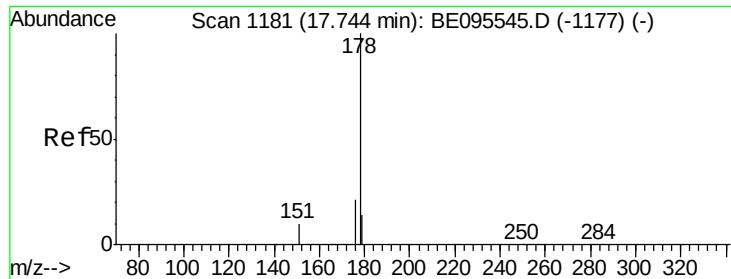
#22
Pentachlorophenol
Concen: 0.60 ng
RT: 17.35 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BE095664.D
Acq: 12 Feb 2018 16:44

Tgt Ion:266 Resp: 546
Ion Ratio Lower Upper
266 100
264 71.0 72.5 108.7#
268 66.0 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: 0.29 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

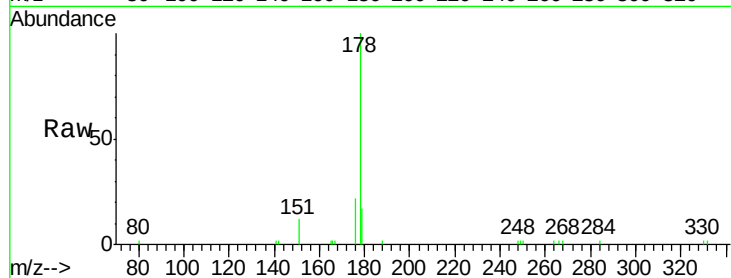
Tot Ion:178 Resp: 4326

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

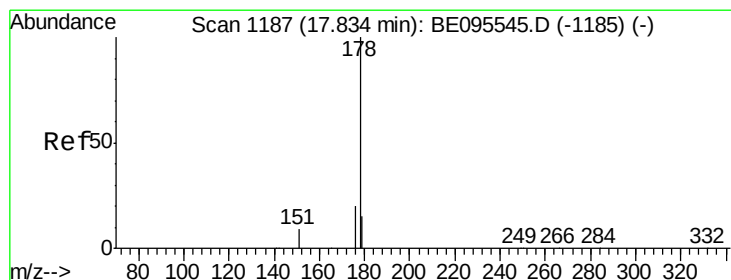
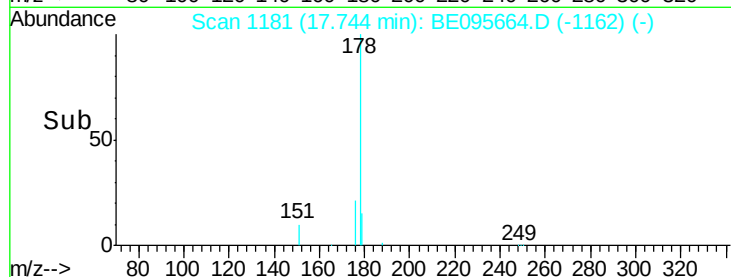
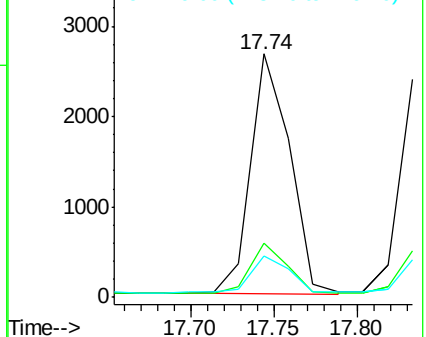
179 15.1 11.8 17.6



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: 0.29 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

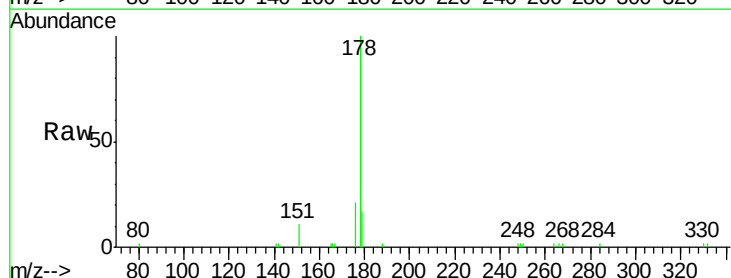
Tgt Ion:178 Resp: 4008

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

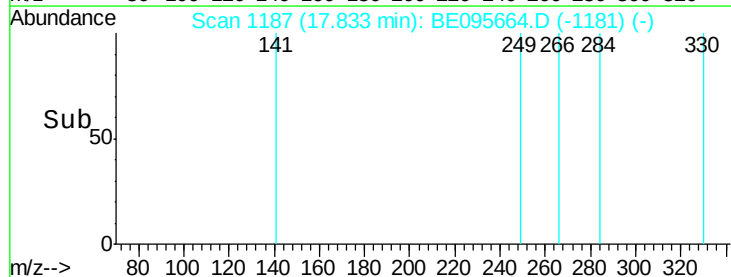
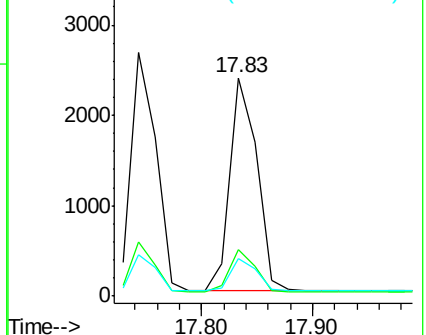
179 15.2 13.0 19.6

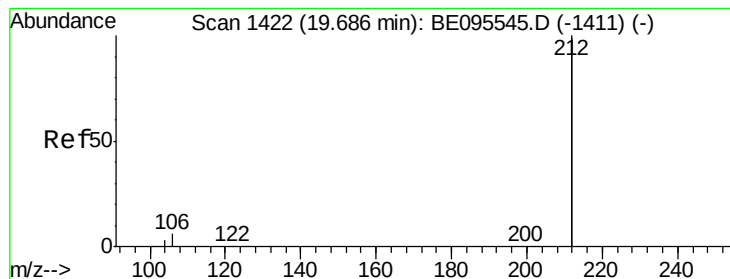


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.31 ng

RT: 19.69 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

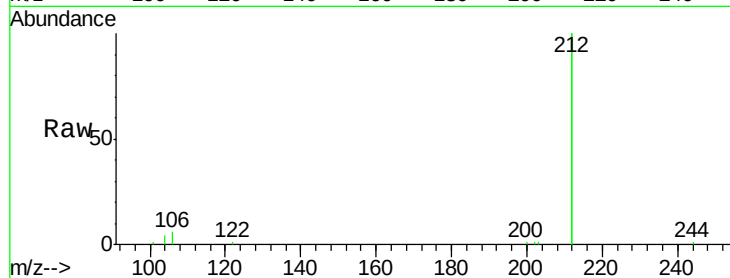
Tot Ion:212 Resp: 19883

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

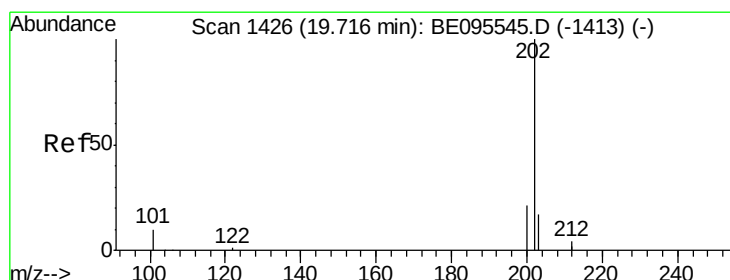
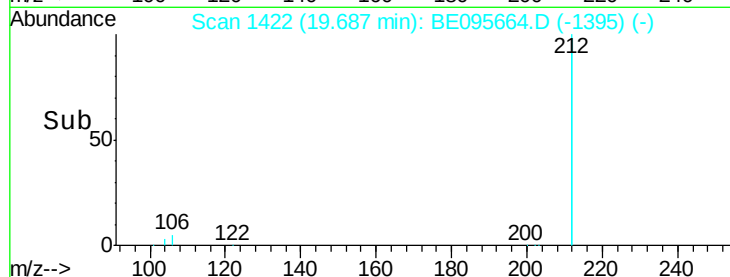
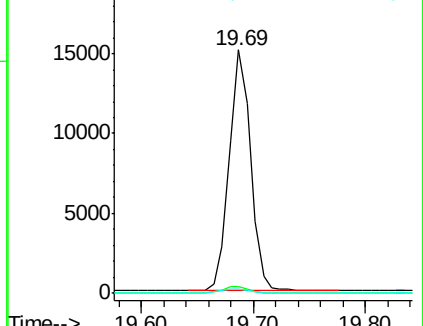
104 1.6 1.6 2.4



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: 0.29 ng

RT: 19.72 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

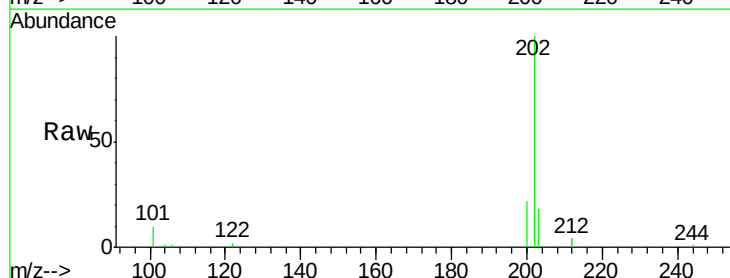
Tgt Ion:202 Resp: 5500

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

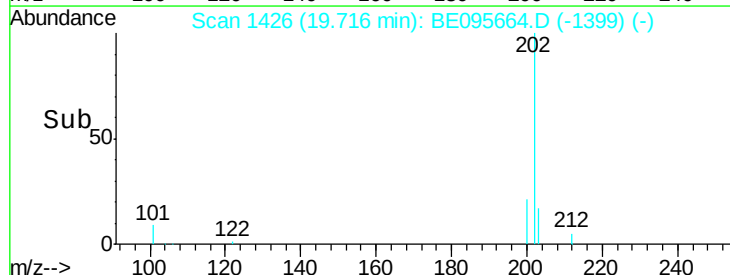
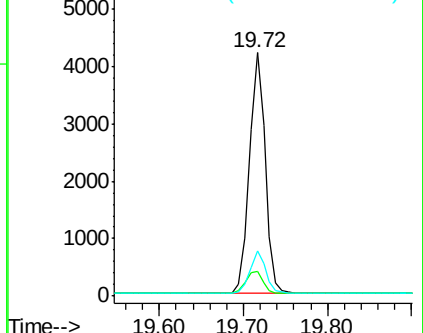
203 17.2 13.7 20.5

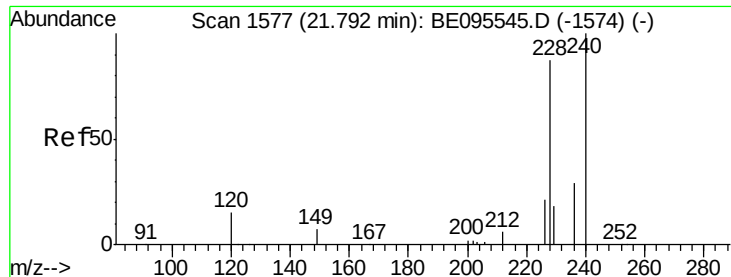


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

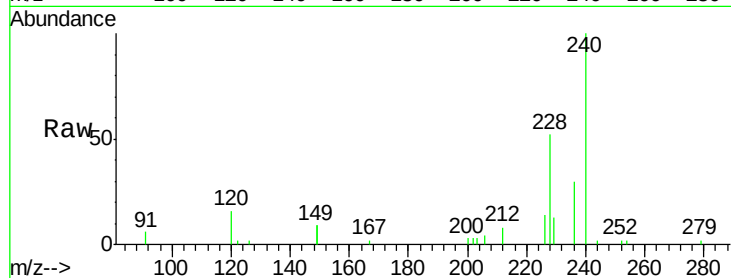
Tot Ion:240 Resp: 5438

Ion Ratio Lower Upper

240 100

120 15.9 5.5 8.3#

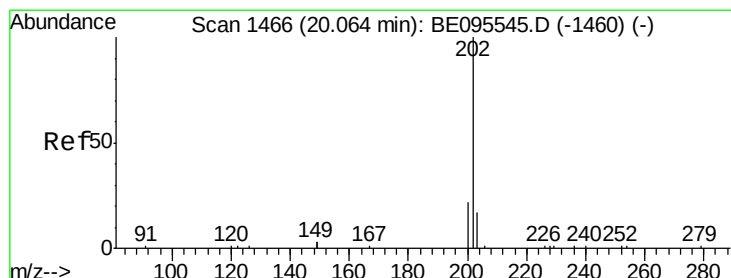
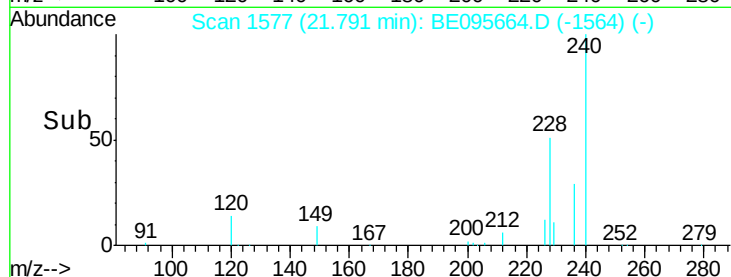
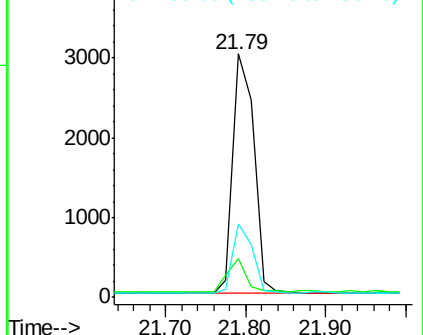
236 30.0 20.7 31.1



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: 0.25 ng

RT: 20.06 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

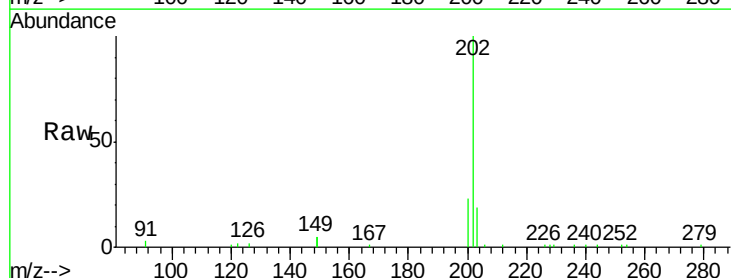
Tgt Ion:202 Resp: 5684

Ion Ratio Lower Upper

202 100

200 22.5 16.6 25.0

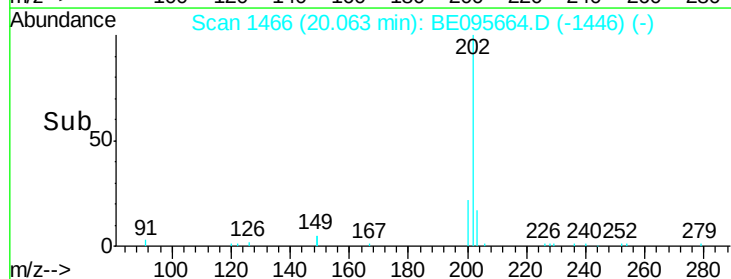
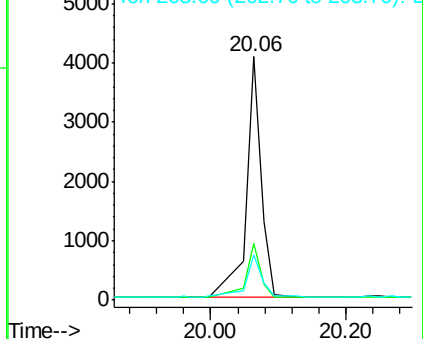
203 21.0 13.8 20.8#

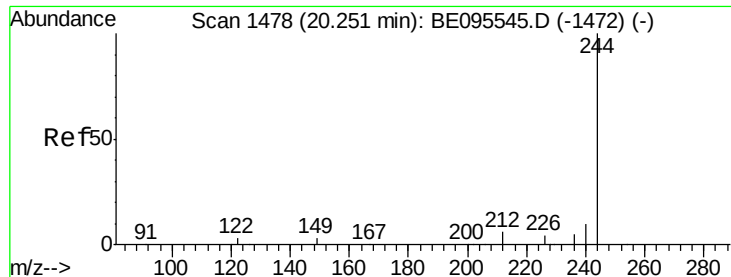


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.33 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

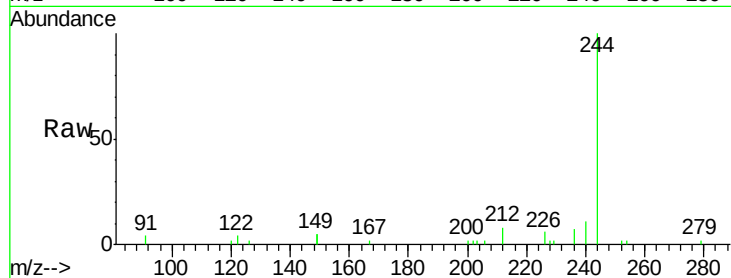
Tot Ion:244 Resp: 3837

Ion Ratio Lower Upper

244 100

212 7.7 25.4 38.0#

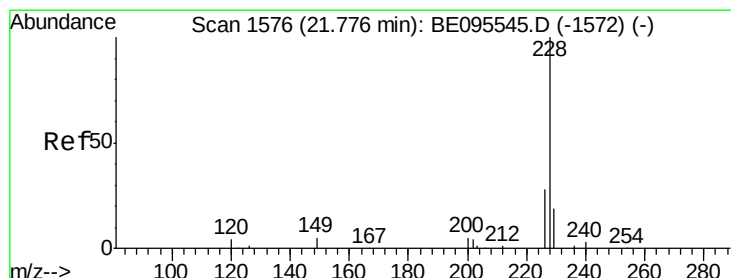
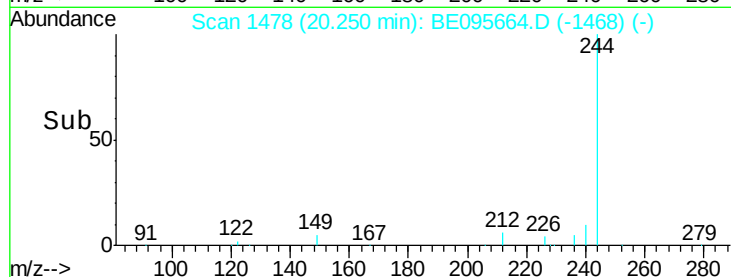
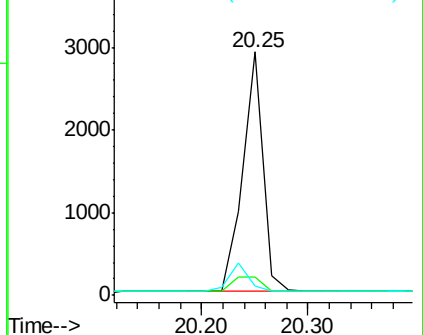
122 4.0 8.1 12.1#



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: 0.30 ng

RT: 21.78 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

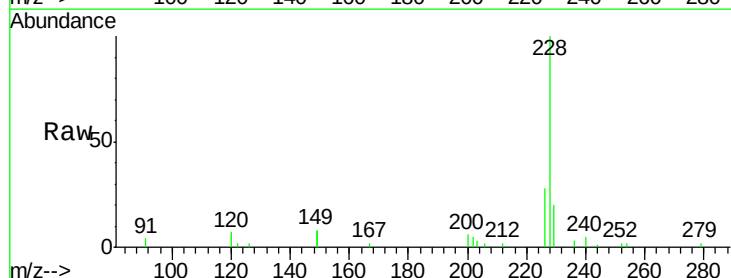
Tgt Ion:228 Resp: 5408

Ion Ratio Lower Upper

228 100

226 28.5 24.0 36.0

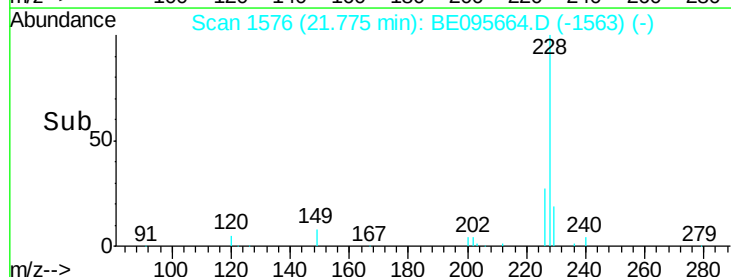
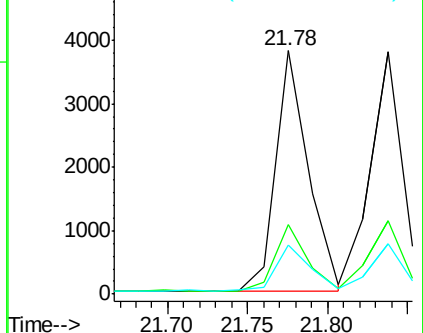
229 20.3 16.0 24.0

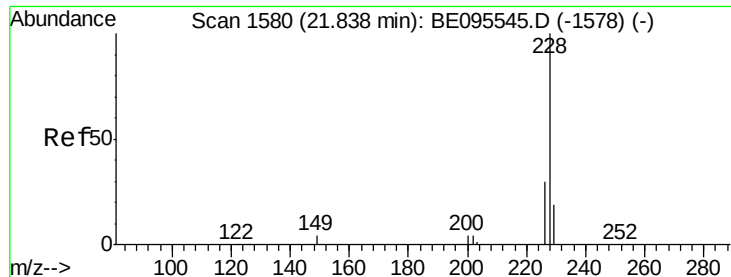


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.29 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampled :

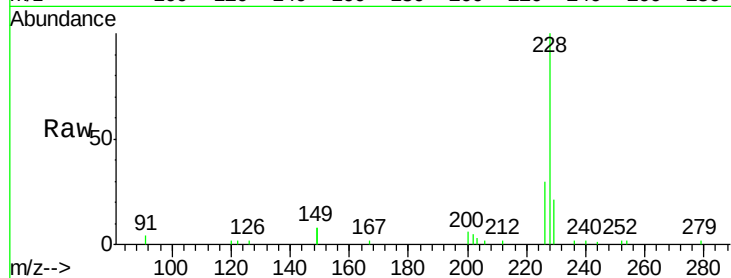
Tot Ion:228 Resp: 5244

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

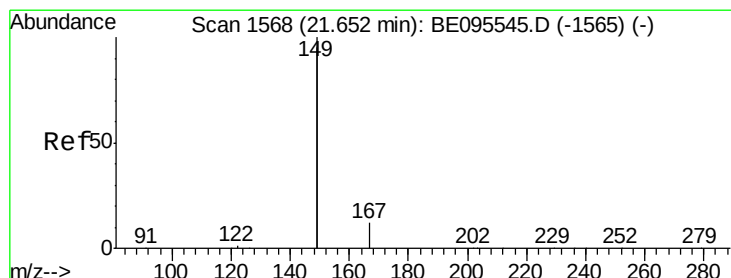
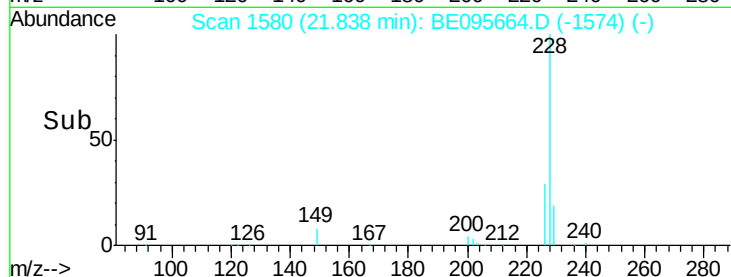
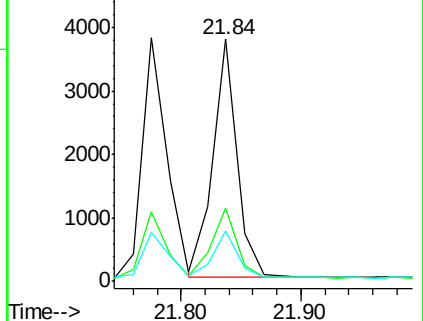
229 20.7 16.0 24.0



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: 0.28 ng

RT: 21.65 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

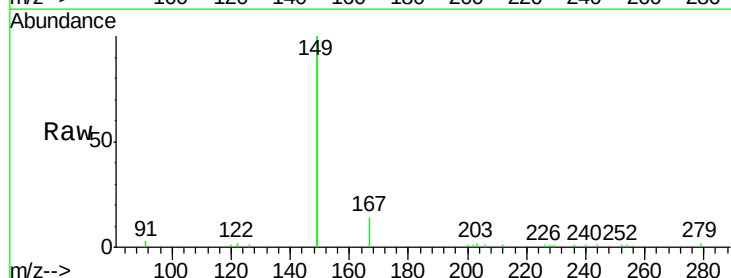
Tgt Ion:149 Resp: 11748

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

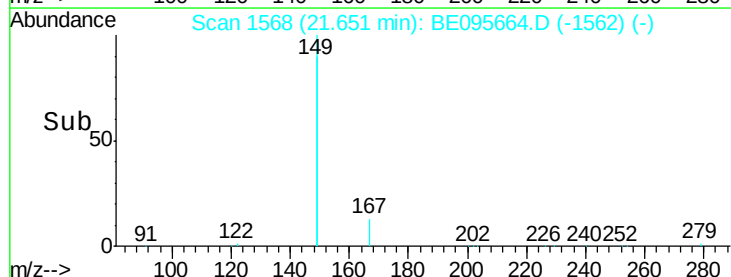
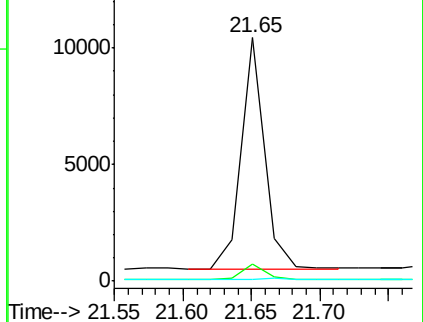
279 0.9 0.7 1.1

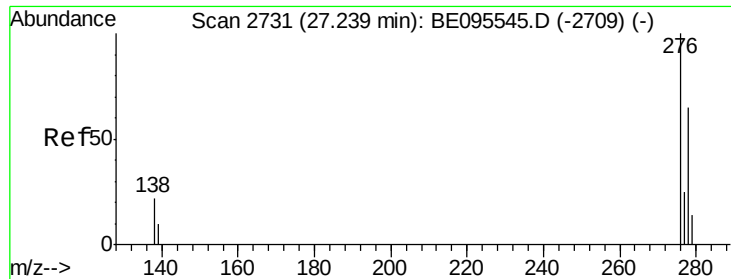


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

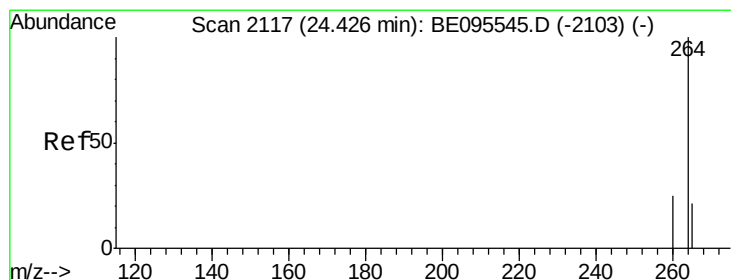
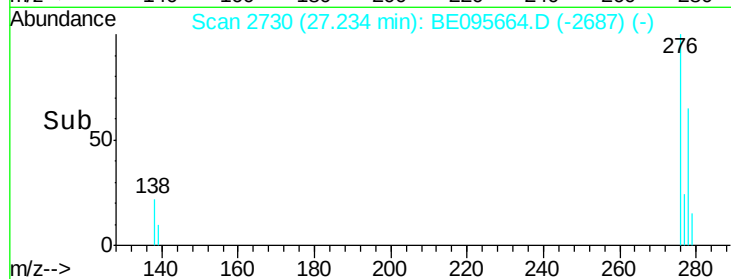
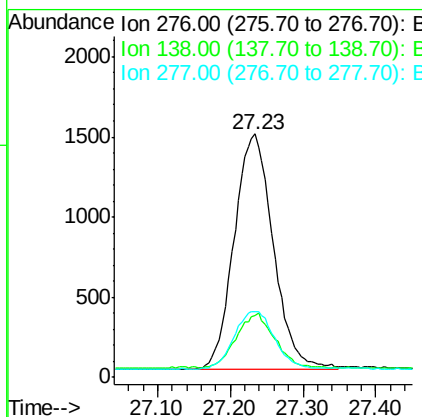
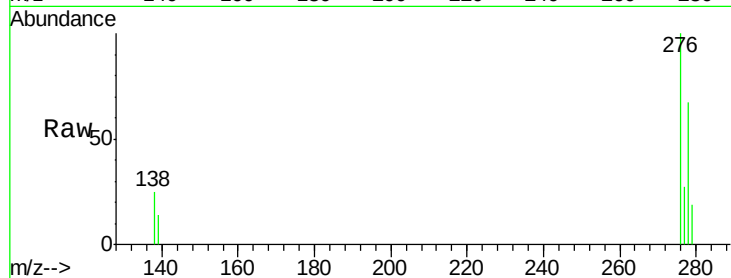




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.32 ng
 RT: 27.23 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: BE095664.D
 Acq: 12 Feb 2018 16:44

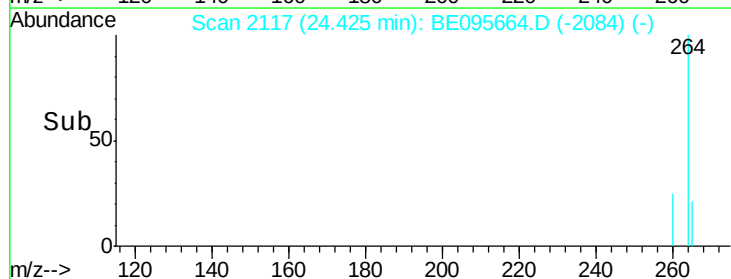
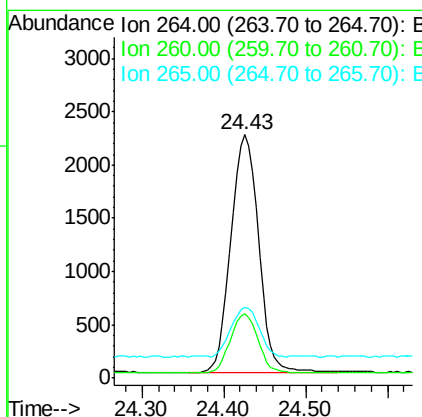
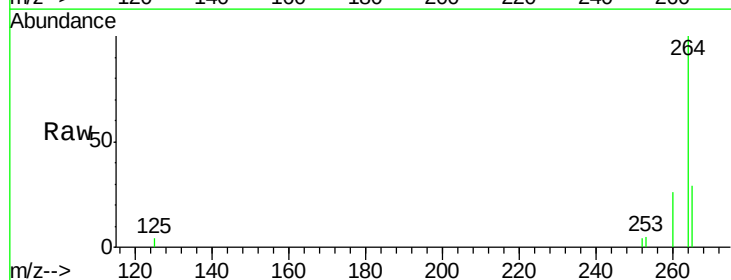
Instrument :
 BNA_E
 ClientSampleId :

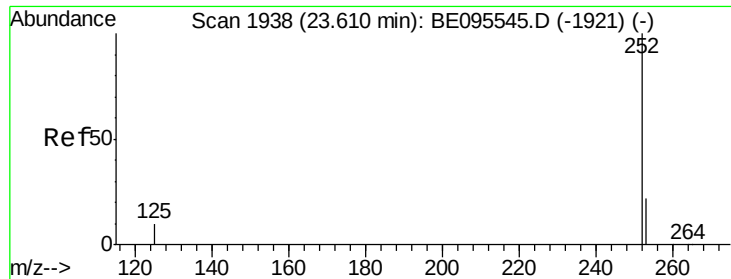
Tot Ion:276 Resp: 5511
 Ion Ratio Lower Upper
 276 100
 138 22.4 22.5 33.7#
 277 25.5 19.9 29.9



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 24.43 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: BE095664.D
 Acq: 12 Feb 2018 16:44

Tgt Ion:264 Resp: 5222
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.5 30.7
 265 29.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.30 ng

RT: 23.61 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :

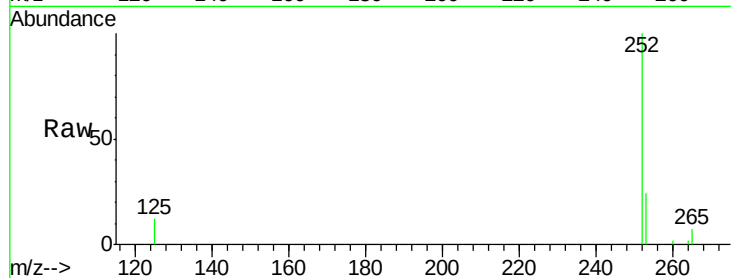
Tot Ion:252 Resp: 5271

Ion Ratio Lower Upper

252 100

253 24.4 20.0 30.0

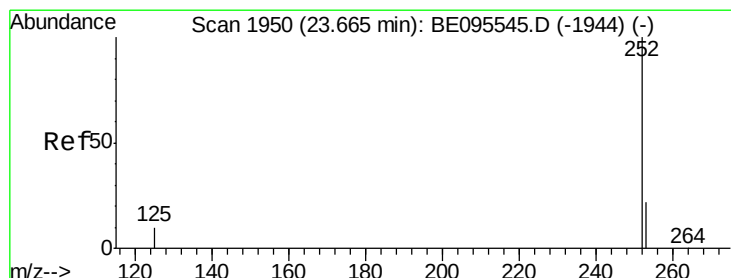
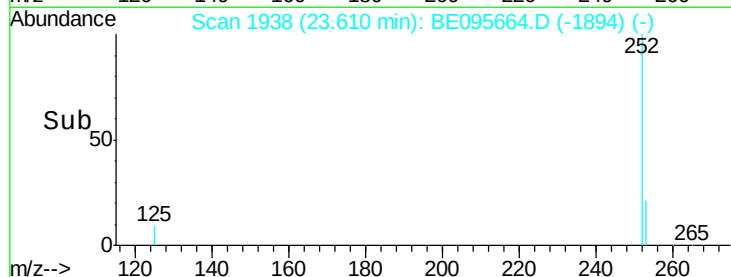
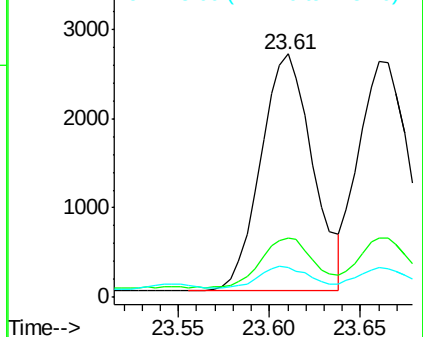
125 12.4 16.0 24.0#



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: 0.27 ng

RT: 23.66 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

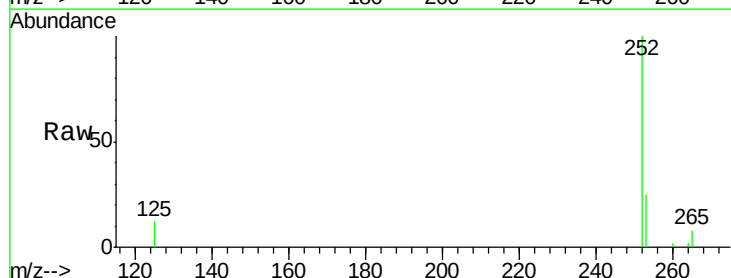
Tgt Ion:252 Resp: 4959

Ion Ratio Lower Upper

252 100

253 25.2 16.0 24.0#

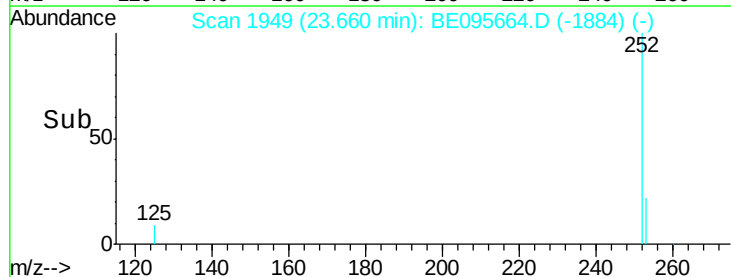
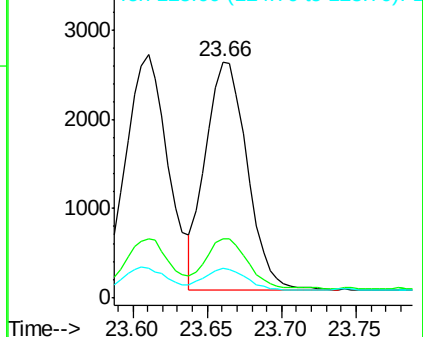
125 12.4 8.0 12.0#

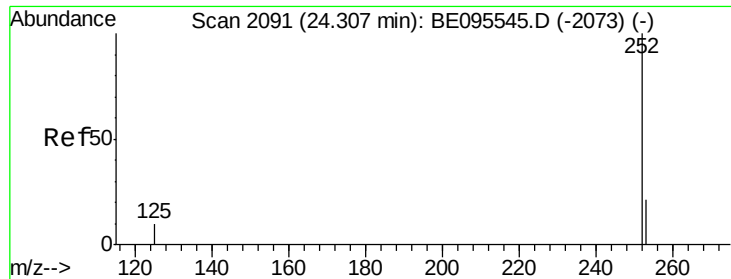


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

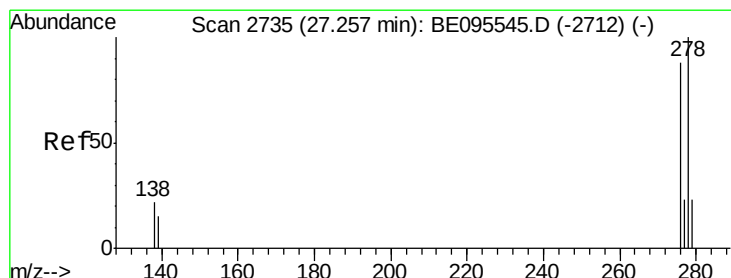
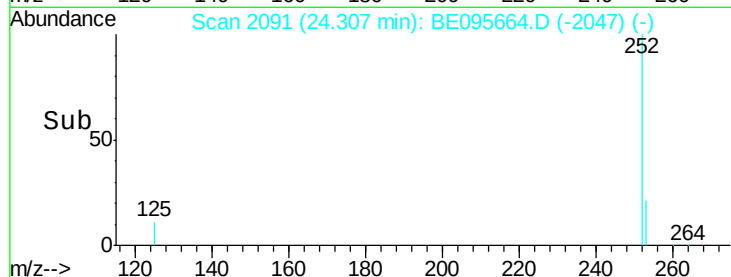
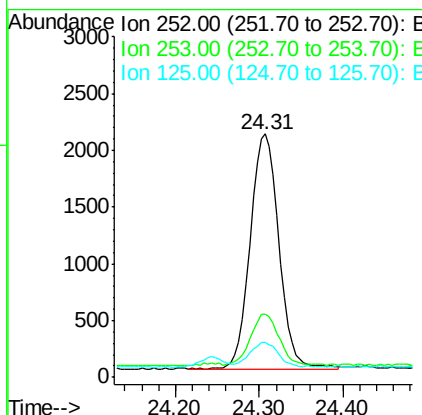
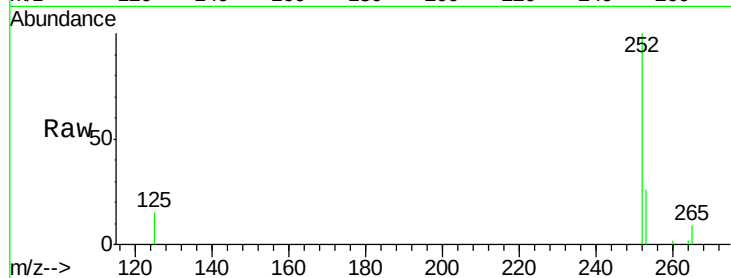




#37
Benzo(a)pyrene
Concen: 0.30 ng
RT: 24.31 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BE095664.D
Acq: 12 Feb 2018 16:44

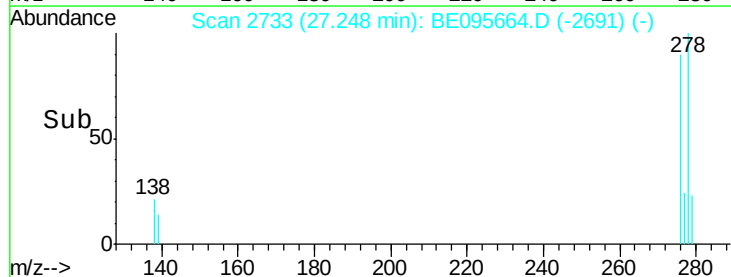
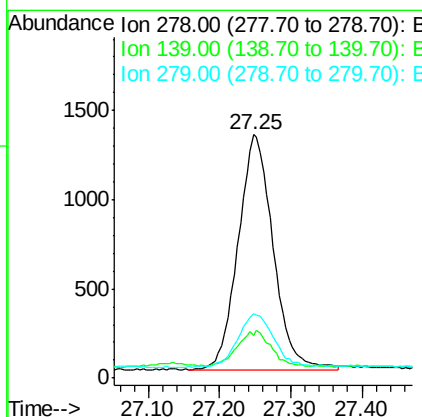
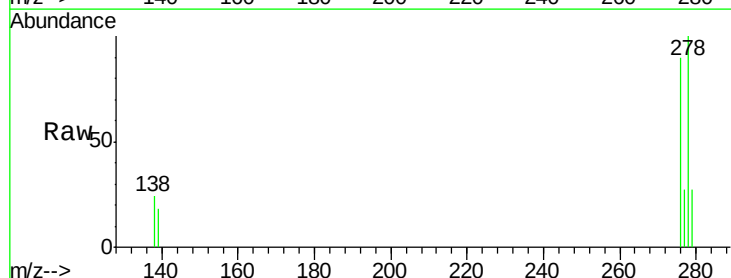
Instrument :
BNA_E
ClientSampleId :

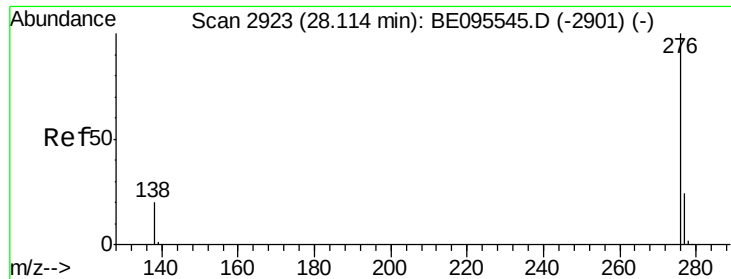
Tot Ion:252 Resp: 4914
Ion Ratio Lower Upper
252 100
253 26.0 16.0 24.0#
125 14.6 12.0 18.0



#38
Dibenzo(a,h)anthracene
Concen: 0.31 ng
RT: 27.25 min Scan# 2733
Delta R.T. -0.01 min
Lab File: BE095664.D
Acq: 12 Feb 2018 16:44

Tgt Ion:278 Resp: 4494
Ion Ratio Lower Upper
278 100
139 17.7 16.0 24.0
279 26.6 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 0.30 ng

RT: 28.10 min Scan# 2920

Delta R.T. -0.01 min

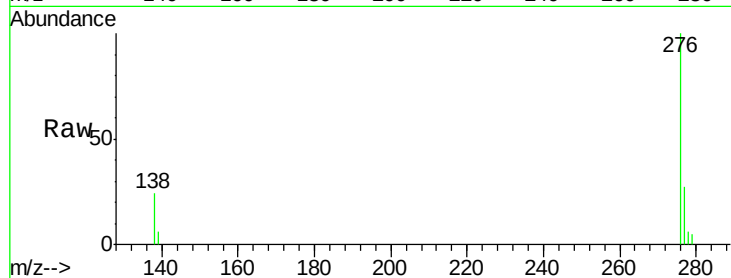
Lab File: BE095664.D

Acq: 12 Feb 2018 16:44

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	276	Resp:	4695
Ion Ratio	Lower	Upper	
276	100		
277	27.0	16.0	24.0#
138	24.2	20.0	30.0

