

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
 Data File : BE096258.D
 Acq On : 1 May 2018 15:02
 Operator : SJ/JU
 Sample : J2507-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 02 01:53:42 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	1003	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	3871	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	2361	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	4455	0.40	ng	0.00
27) Chrysene-d12	21.75	240	4206	0.40	ng	0.01
34) Perylene-d12	24.36	264	4065	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.88	112	685	0.22	ng	0.01
5) Phenol-d6	7.52	99	539	0.13	ng	0.01
8) Nitrobenzene-d5	9.54	82	1997	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	2380	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	423	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.60	172	3905	0.39	ng	0.02
25) Fluoranthene-d10	19.64	212	22365	0.37	ng	0.00
29) Terphenyl-d14	20.19	244	5030	0.54	ng	0.00

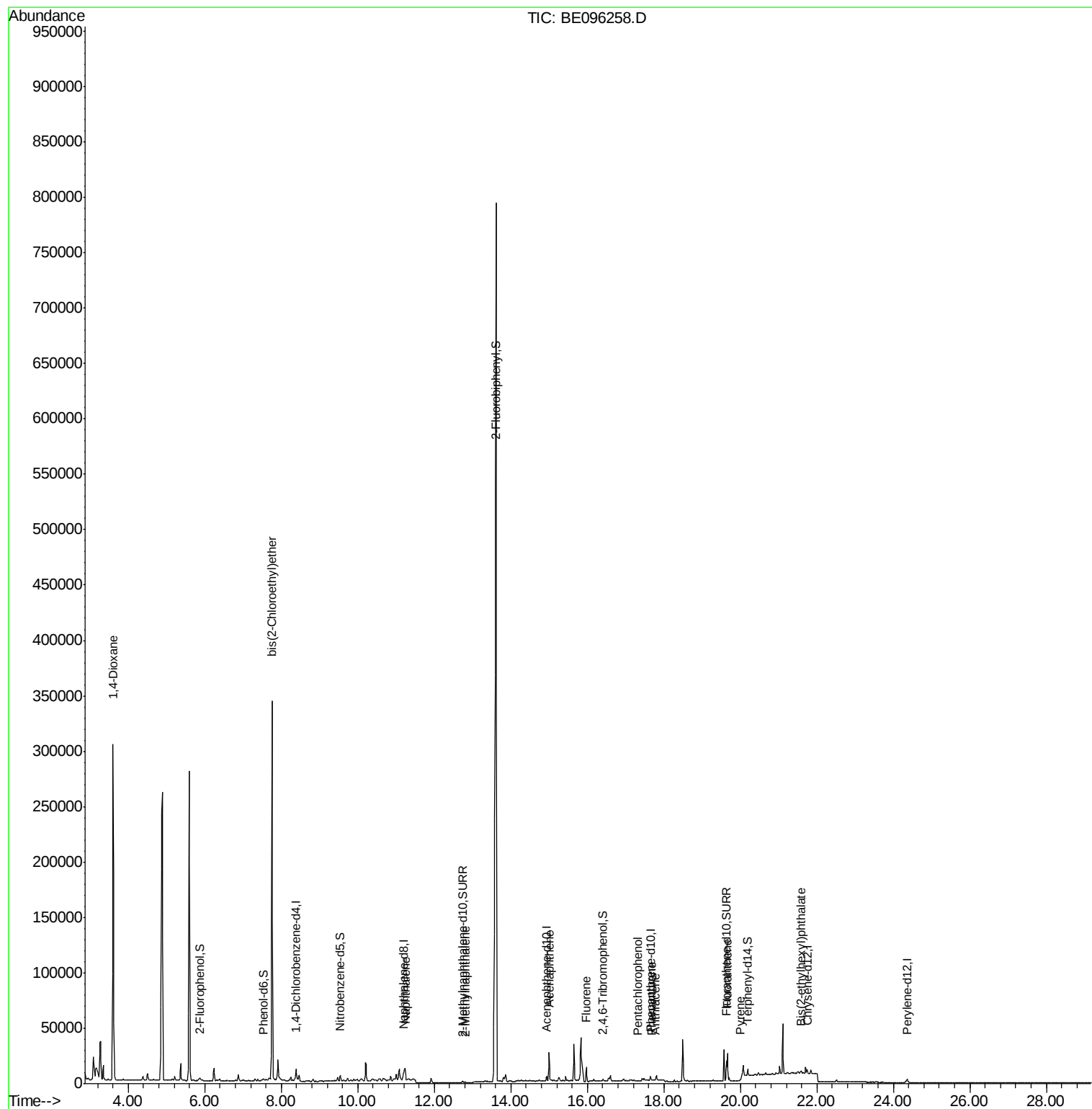
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.61	88	217511	140.390	ng	# 90
6) bis(2-Chloroethyl)ether	7.76	93	120207	31.909	ng	# 98
9) Naphthalene	11.24	128	16696	0.409	ng	# 98
12) 2-Methylnaphthalene	12.81	142	957	0.142	ng	# 84
17) Acenaphthene	15.00	154	12325	1.627	ng	# 89
18) Fluorene	15.97	166	8687	0.927	ng	# 80
22) Pentachlorophenol	17.32	266	10	0.144	ng	# 98
23) Phenanthrene	17.68	178	541	0.043	ng	# 67
24) Anthracene	17.78	178	1198	0.100	ng	# 84
26) Fluoranthene	19.67	202	3162	0.192	ng	# 1
28) Pyrene	20.00	202	281	0.034	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.60	149	3568	0.102	ng	# 83

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

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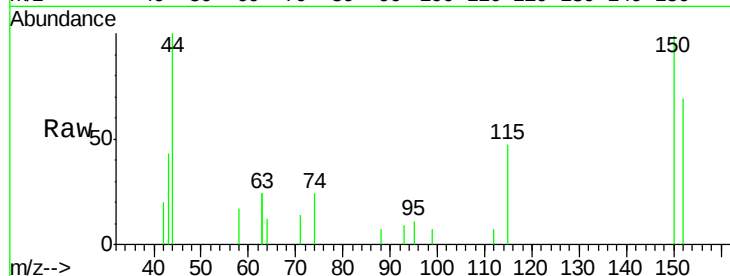


#1

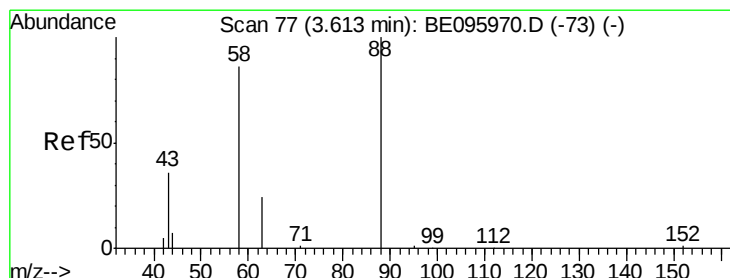
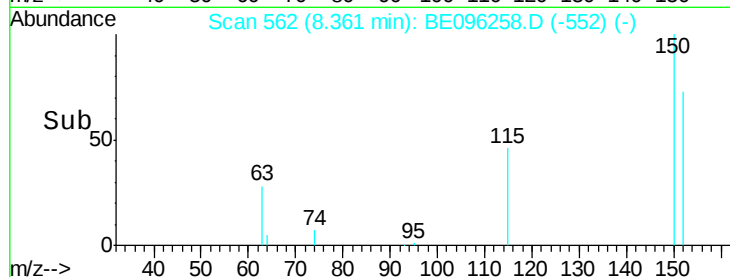
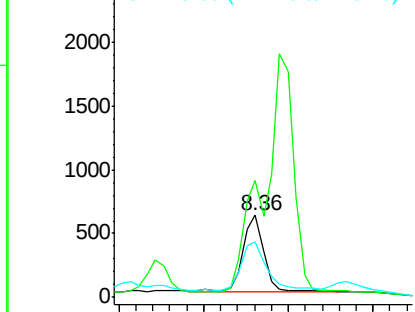
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. 0.00 min
Lab File: BE096258.D
Acq: 1 May 2018 15:02

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1003
Ion Ratio Lower Upper
152 100
150 142.2 117.2 175.8
115 68.2 57.0 85.6



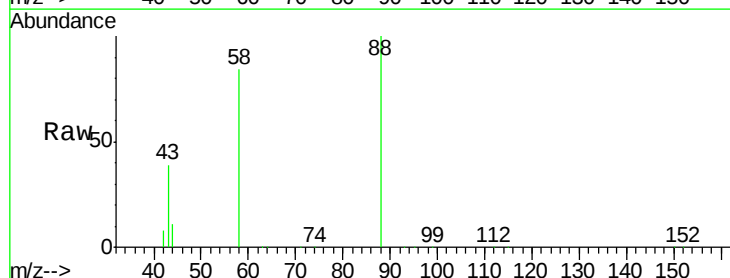
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



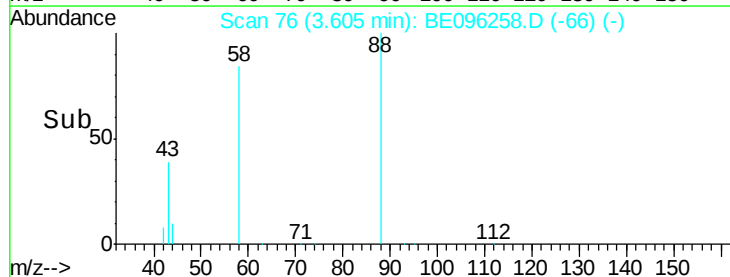
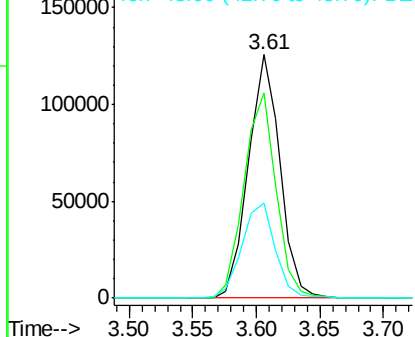
#2

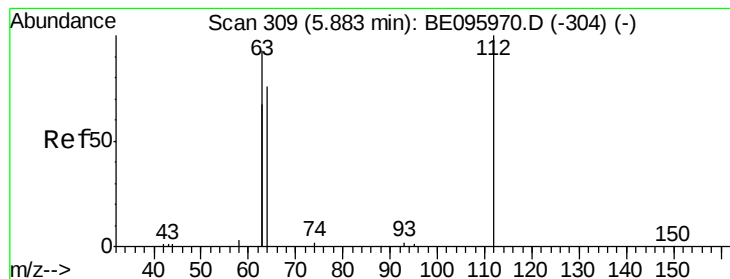
1,4-Dioxane
Concen: 140.390 ng
RT: 3.61 min Scan# 76
Delta R.T. 0.00 min
Lab File: BE096258.D
Acq: 1 May 2018 15:02

Tgt Ion: 88 Resp: 217511
Ion Ratio Lower Upper
88 100
58 84.8 63.2 94.8
43 40.2 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





#4

2-Fluorophenol

Concen: 0.221 ng

RT: 5.88 min Scan# 308

Delta R.T. 0.01 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

ClientSampled :

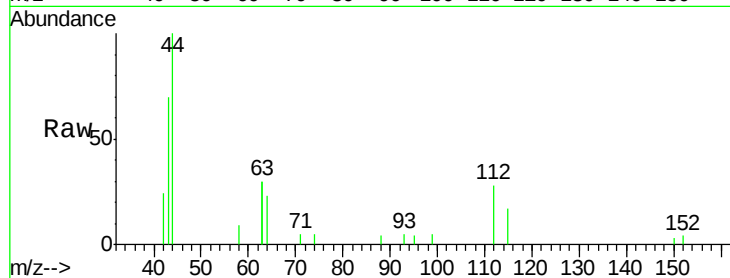
Tot Ion: 112 Resp: 685

Ion Ratio Lower Upper

112 100

64 65.7 60.1 90.1

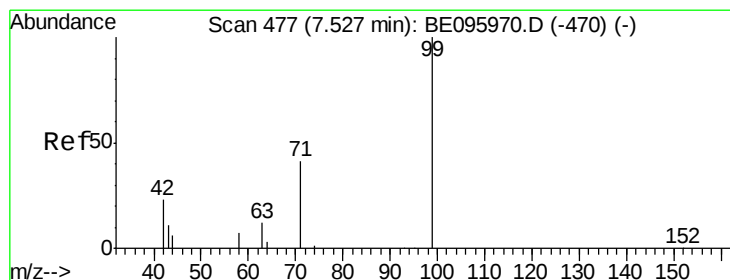
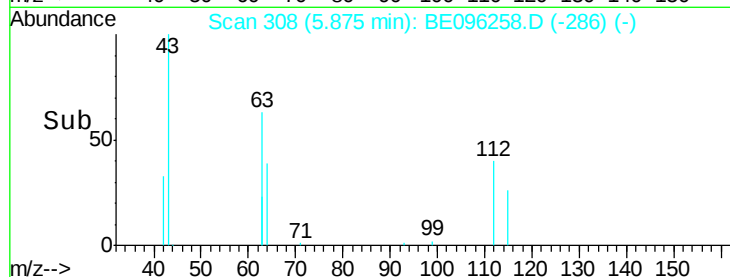
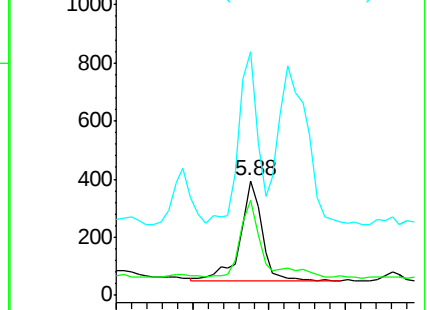
63 150.1 116.8 175.2



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: 0.126 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

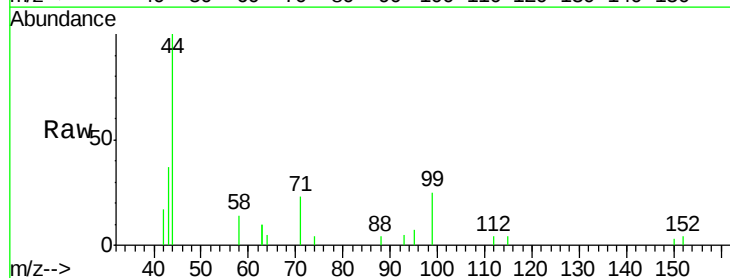
Tgt Ion: 99 Resp: 539

Ion Ratio Lower Upper

99 100

42 84.2 20.2 30.2#

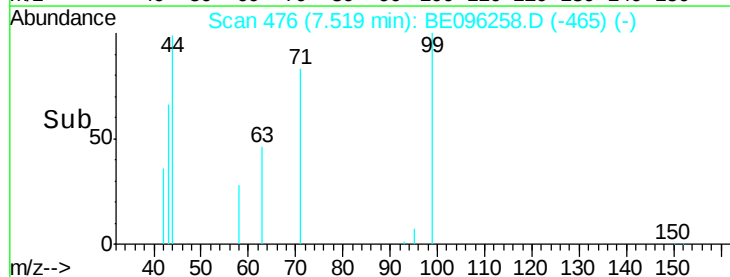
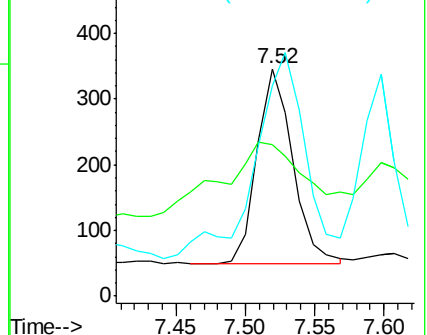
71 146.2 28.4 42.6#

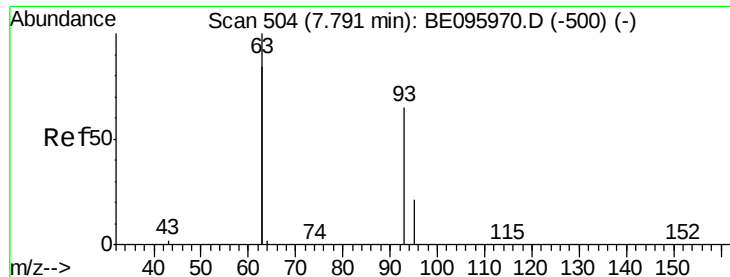


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



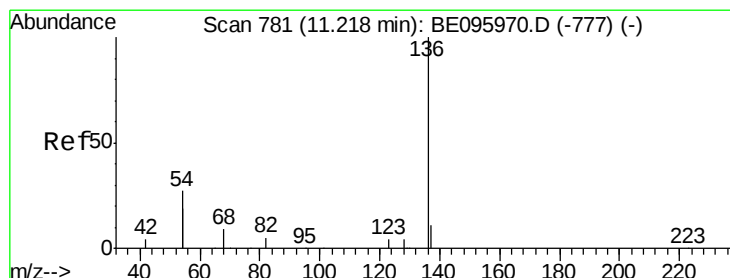
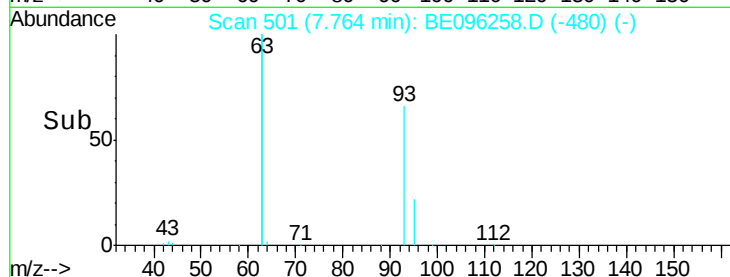
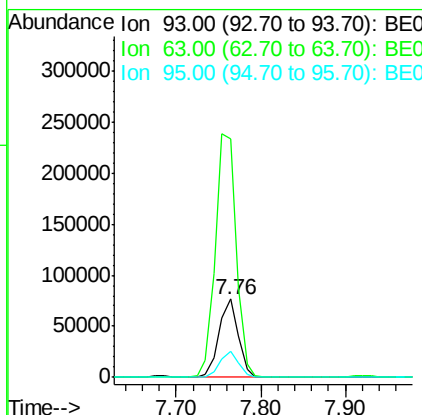
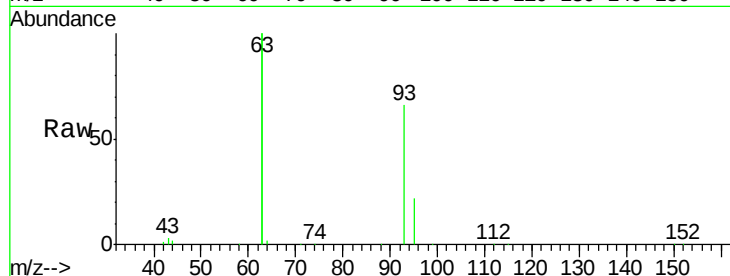


#6

bis(2-Chloroethyl)ether
Concen: 31.909 ng
RT: 7.76 min Scan# 501
Delta R.T. 0.00 min
Lab File: BE096258.D
Acq: 1 May 2018 15:02

Instrument :
BNA_E
ClientSampleId :

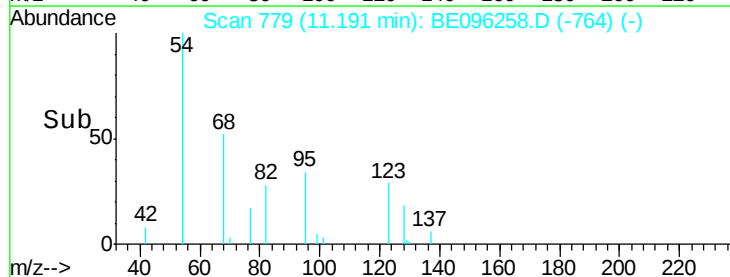
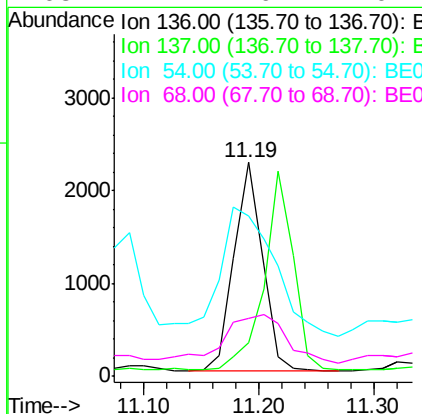
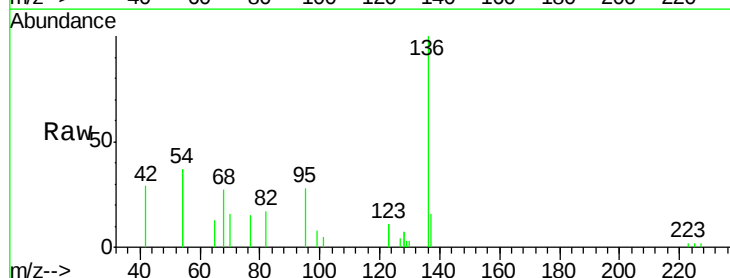
Tot Ion: 93 Resp: 120207
Ion Ratio Lower Upper
93 100
63 339.0 275.3 412.9
95 32.7 25.2 37.8

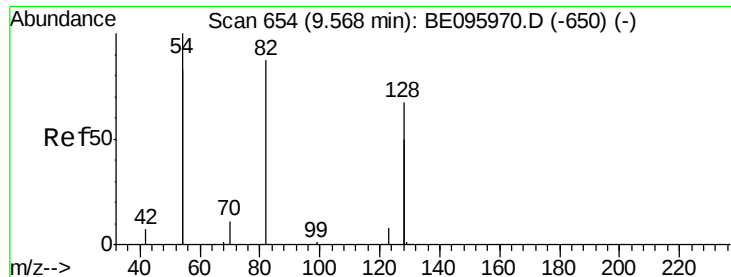


#7

Naphthalene-d8
Concen: 0.400 ng
RT: 11.19 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE096258.D
Acq: 1 May 2018 15:02

Tgt Ion: 136 Resp: 3871
Ion Ratio Lower Upper
136 100
137 15.7 9.5 14.3#
54 74.9 29.1 43.7#
68 27.2 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.440 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

ClientSampled :

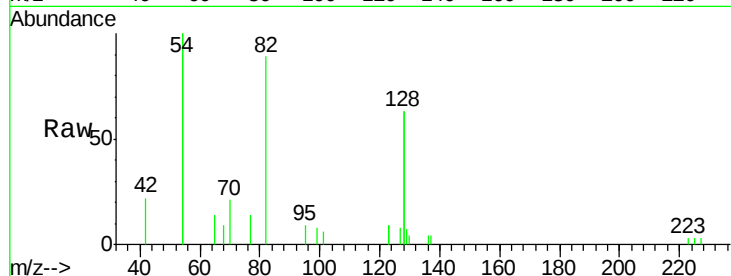
Tot Ion: 82 Resp: 1997

Ion Ratio Lower Upper

82 100

128 140.2 150.0 225.0#

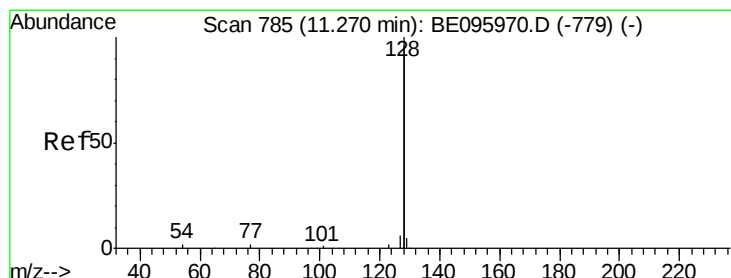
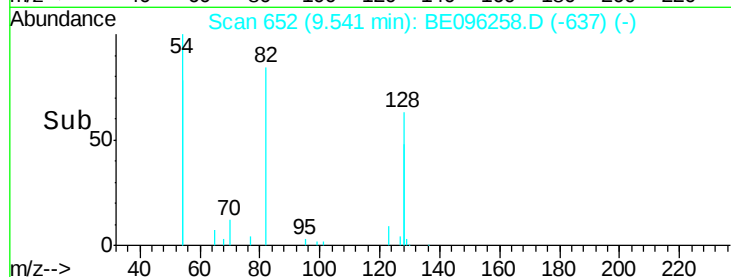
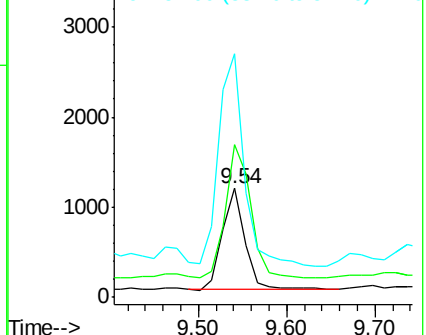
54 223.9 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE095970.D (-650) (-)

Ion 128.00 (127.70 to 128.70): BE095970.D (-650) (-)

Ion 54.00 (53.70 to 54.70): BE095970.D (-650) (-)



#9

Naphthalene

Concen: 0.409 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

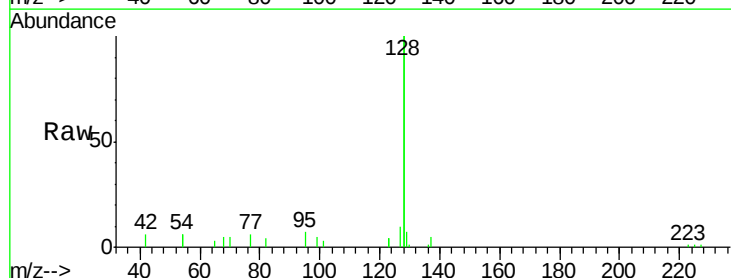
Tgt Ion: 128 Resp: 16696

Ion Ratio Lower Upper

128 100

129 3.5 2.6 3.8

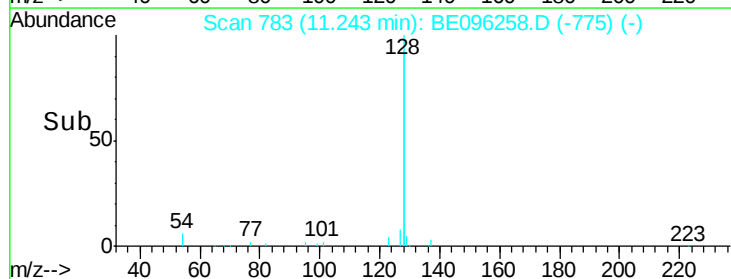
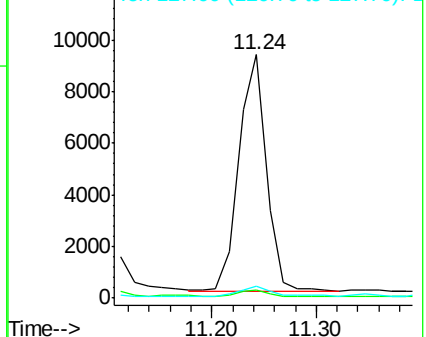
127 4.8 2.8 4.2#

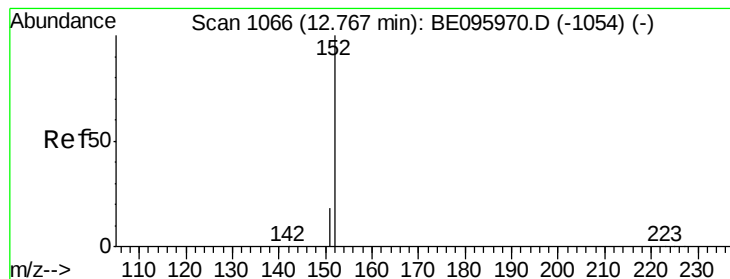


Abundance Ion 128.00 (127.70 to 128.70): BE095970.D (-779) (-)

Ion 129.00 (128.70 to 129.70): BE095970.D (-779) (-)

Ion 127.00 (126.70 to 127.70): BE095970.D (-779) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

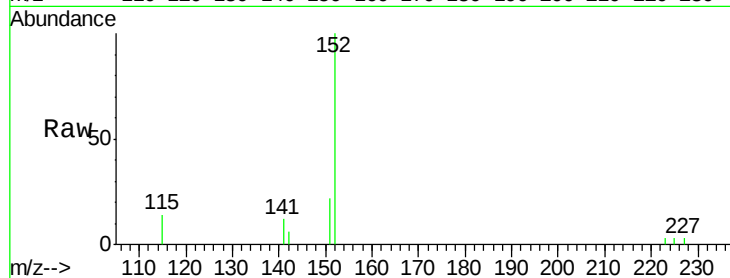
ClientSampleId :

Tot Ion:152 Resp: 2380

Ion Ratio Lower Upper

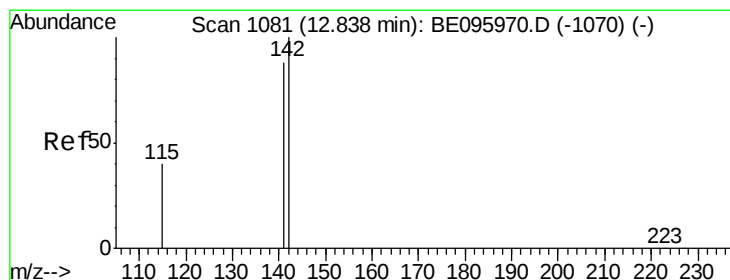
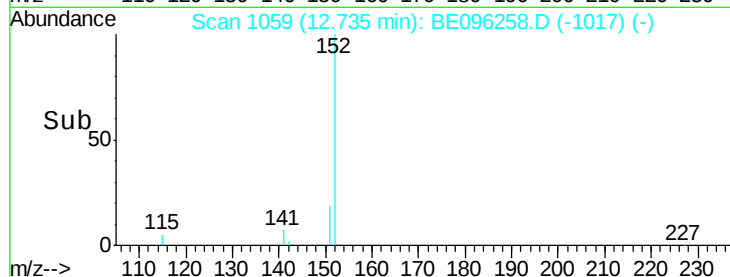
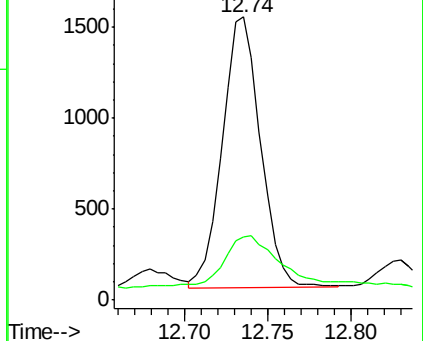
152 100

151 32.0 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.142 ng

RT: 12.81 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

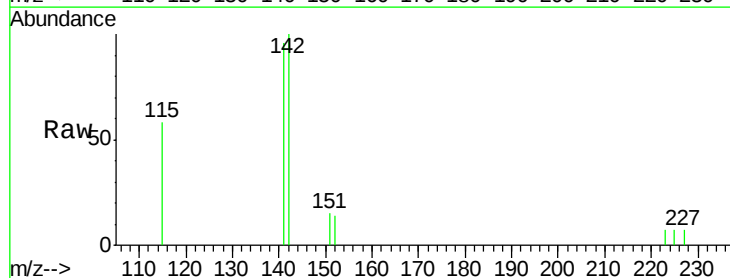
Tgt Ion:142 Resp: 957

Ion Ratio Lower Upper

142 100

141 96.3 70.4 105.6

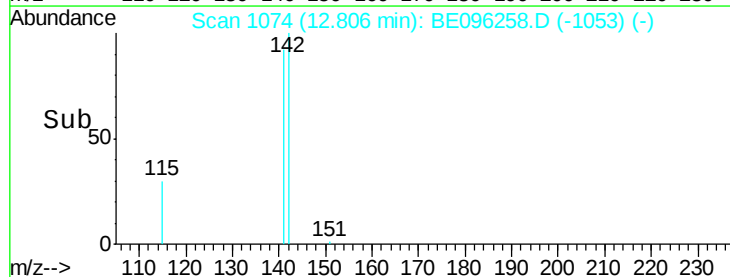
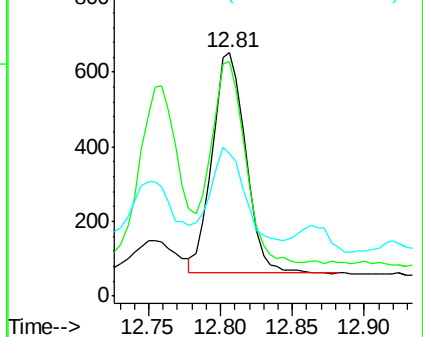
115 58.3 31.7 47.5#

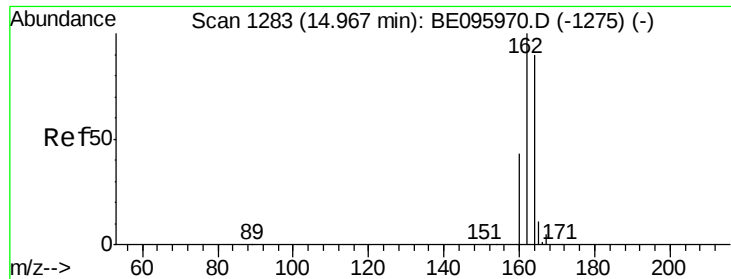


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

ClientSampleId :

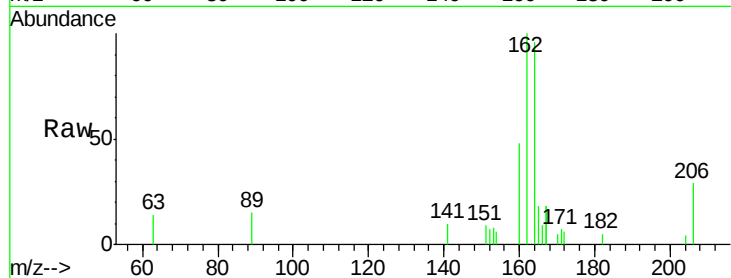
Tot Ion:164 Resp: 2361

Ion Ratio Lower Upper

164 100

162 104.0 83.1 124.7

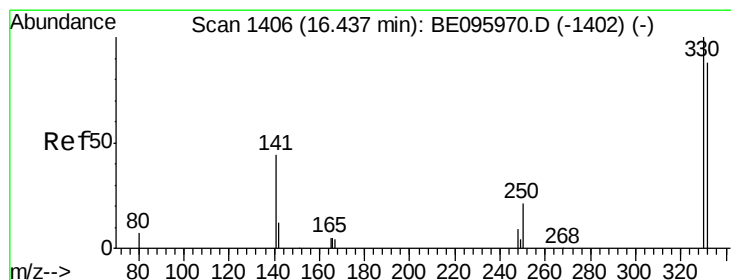
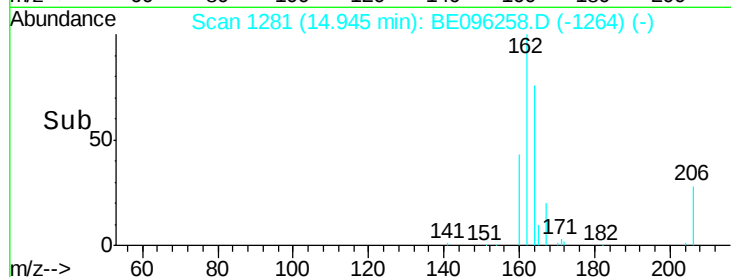
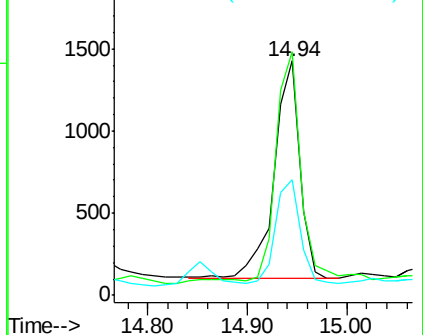
160 49.6 37.1 55.7



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: 0.371 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

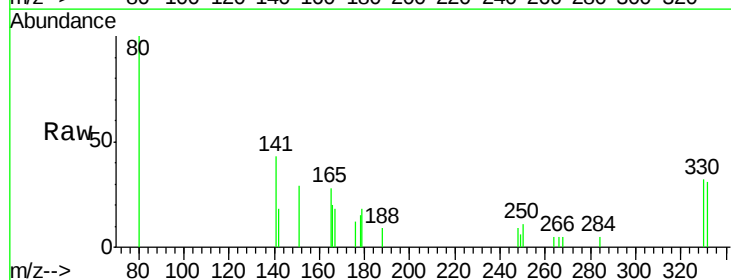
Tgt Ion:330 Resp: 423

Ion Ratio Lower Upper

330 100

332 100.0 152.7 229.1#

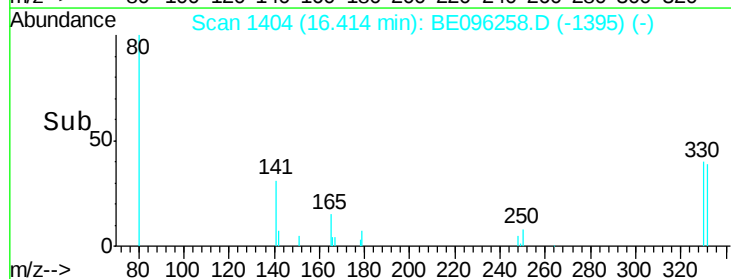
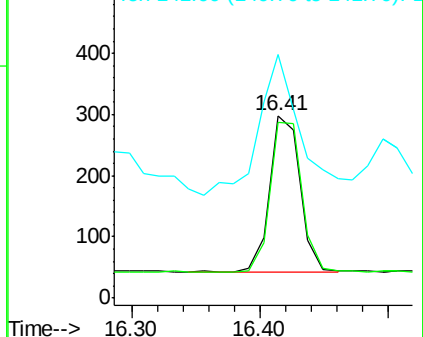
141 124.6 33.7 50.5#

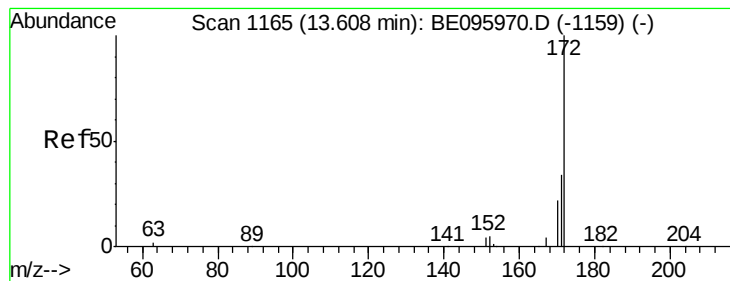


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.387 ng

RT: 13.60 min Scan# 1164

Delta R.T. 0.02 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

ClientSampleId :

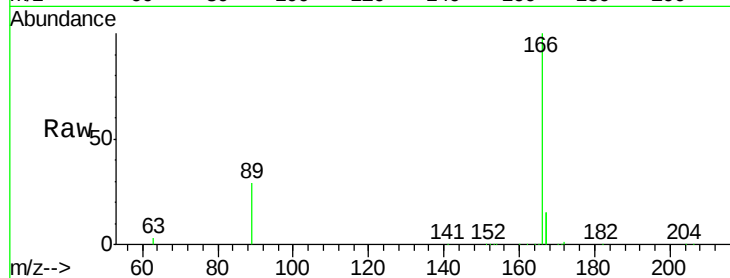
Tot Ion:172 Resp: 3905

Ion Ratio Lower Upper

172 100

171 37.0 29.9 44.9

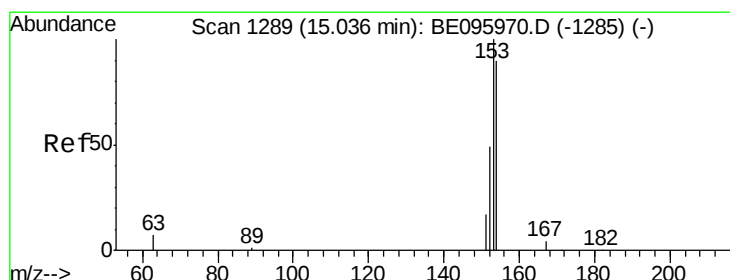
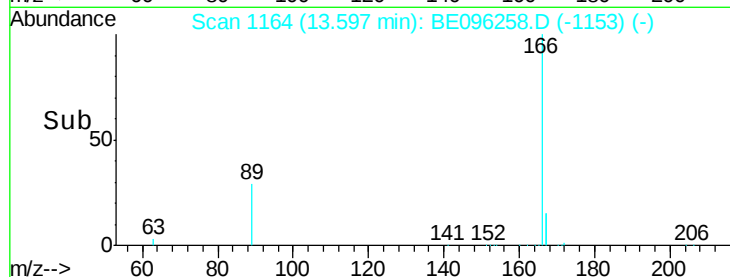
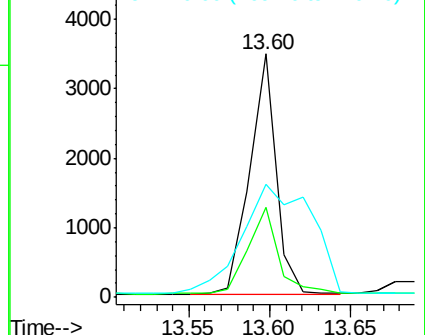
170 46.5 21.8 32.8#



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



#17

Acenaphthene

Concen: 1.627 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

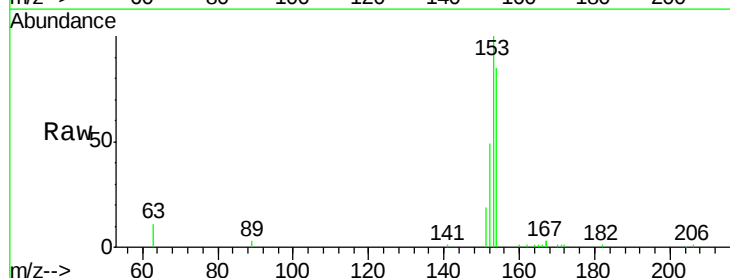
Tgt Ion:154 Resp: 12325

Ion Ratio Lower Upper

154 100

153 120.9 89.2 133.8

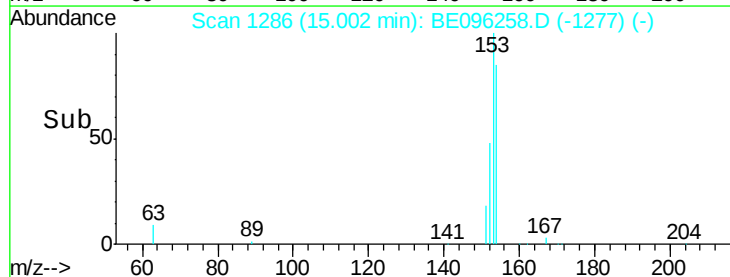
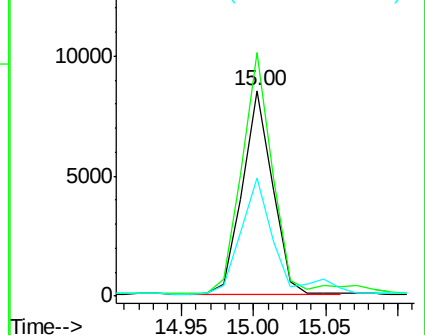
152 63.9 42.0 63.0#

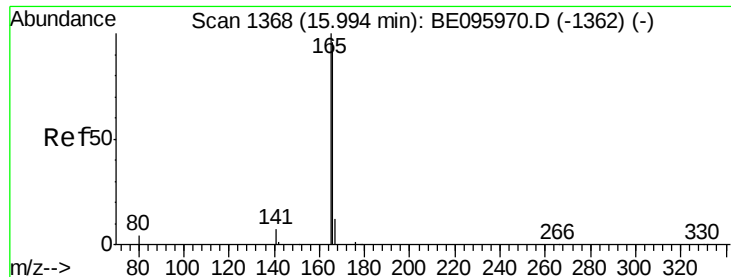


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.927 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

ClientSampleId :

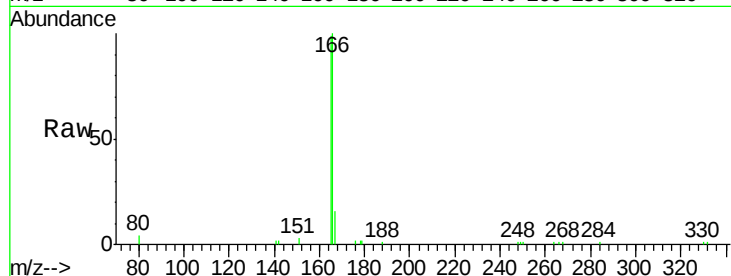
Tot Ion:166 Resp: 8687

Ion Ratio Lower Upper

166 100

165 100.7 77.8 116.6

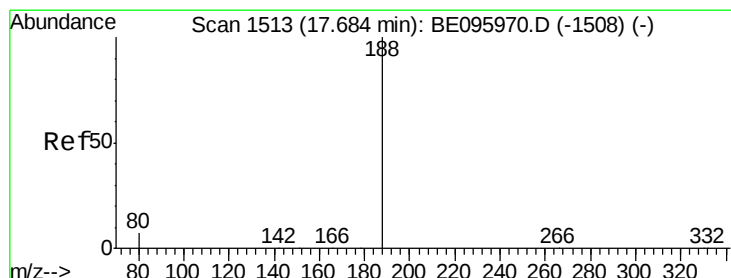
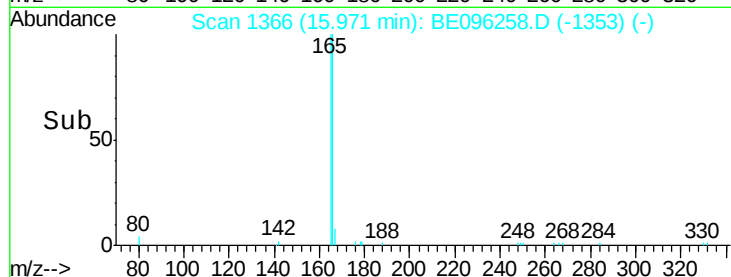
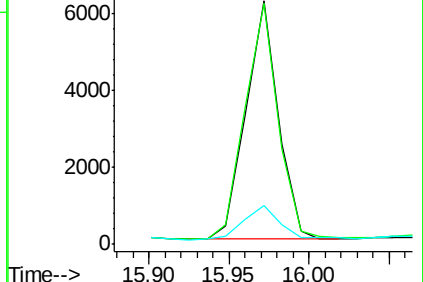
167 16.4 42.4 63.6#



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: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

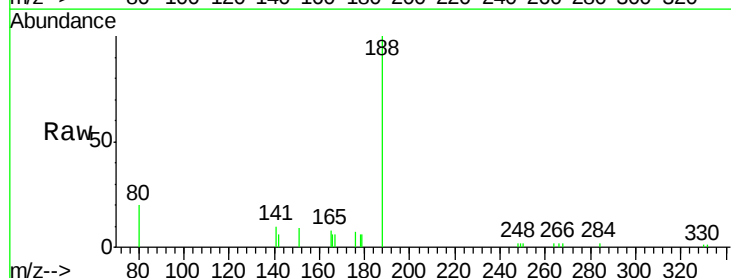
Tgt Ion:188 Resp: 4455

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

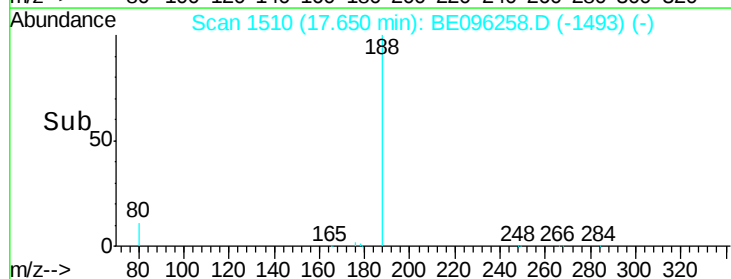
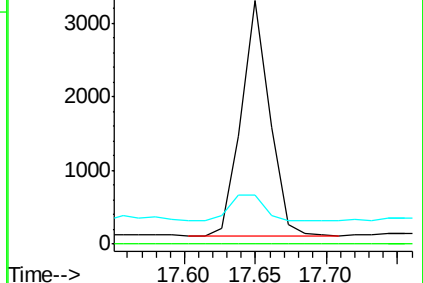
80 19.9 3.6 5.4#

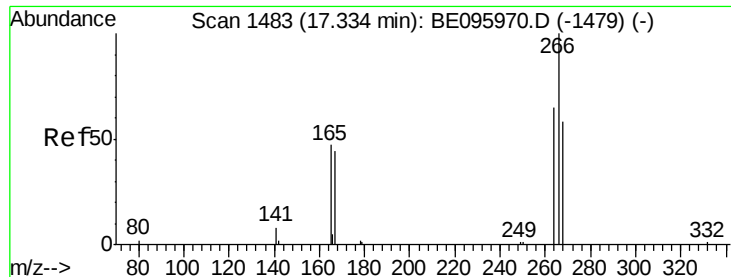


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

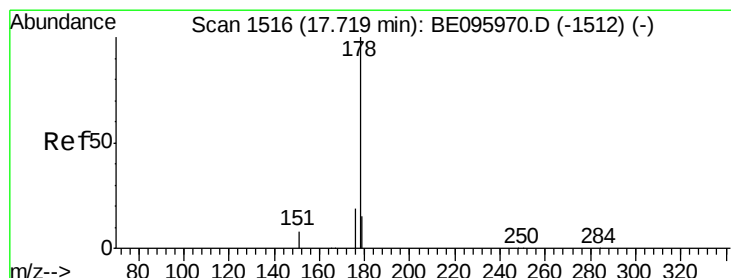
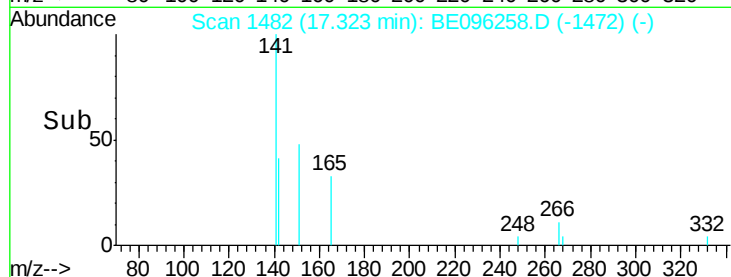
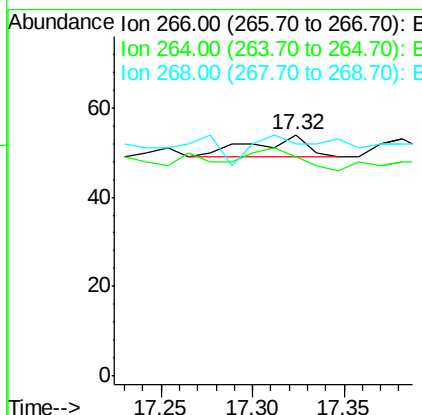
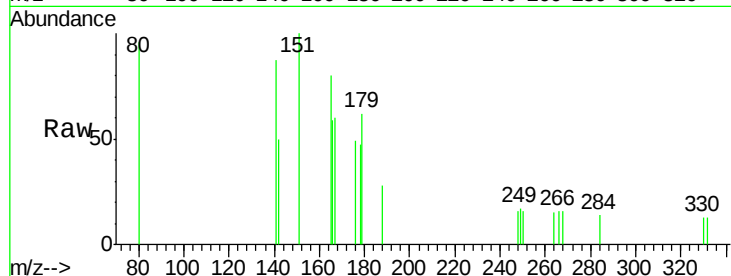




#22
 Pentachlorophenol
 Concen: 0.144 ng
 RT: 17.32 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BE096258.D
 Acq: 1 May 2018 15:02

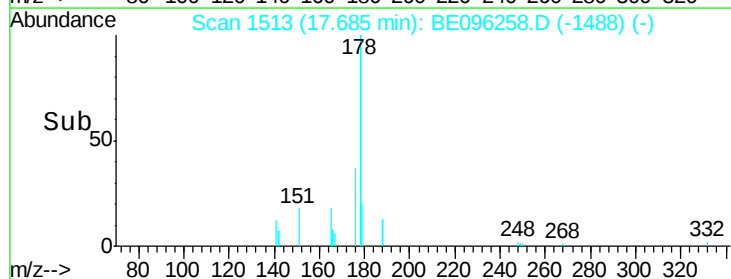
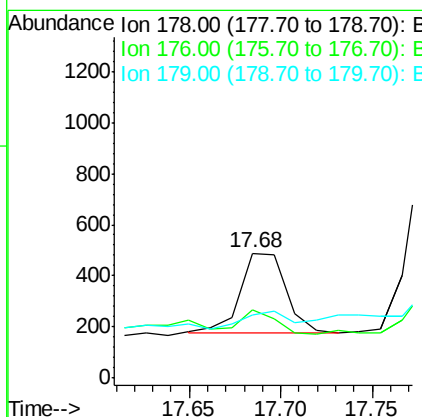
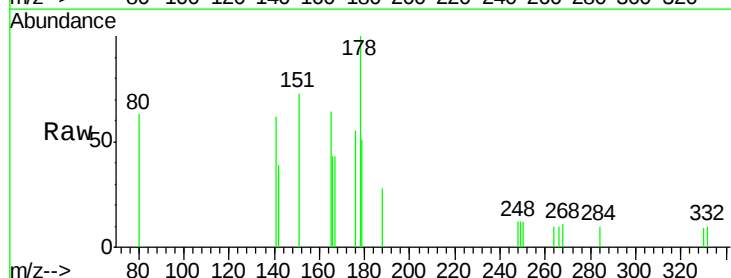
Instrument :
 BNA_E
 ClientSampleId :

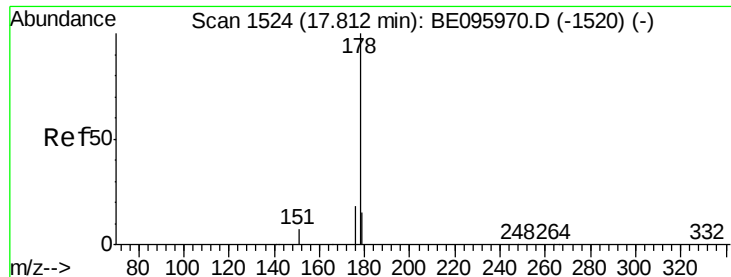
Tot Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 90.7 72.5 108.7
 268 96.3 73.8 110.6



#23
 Phenanthrene
 Concen: 0.043 ng
 RT: 17.68 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: BE096258.D
 Acq: 1 May 2018 15:02

Tgt Ion:178 Resp: 541
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.1 22.7#
 179 23.5 11.8 17.6#





#24

Anthracene

Concen: 0.100 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

ClientSampled :

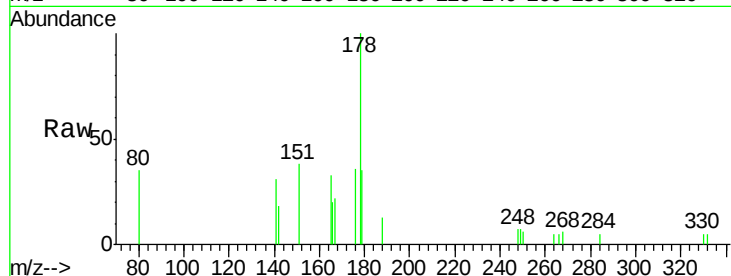
Tot Ion:178 Resp: 1198

Ion Ratio Lower Upper

178 100

176 25.0 12.8 19.2#

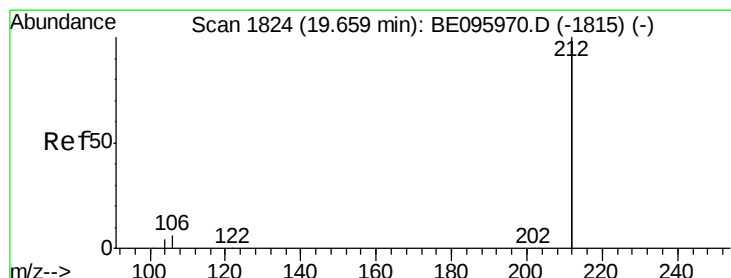
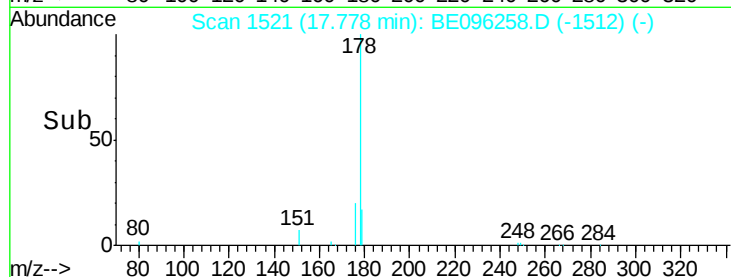
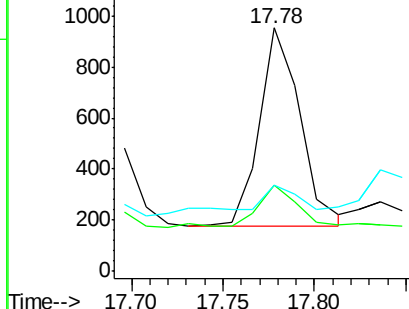
179 20.8 13.0 19.6#



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: 0.370 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

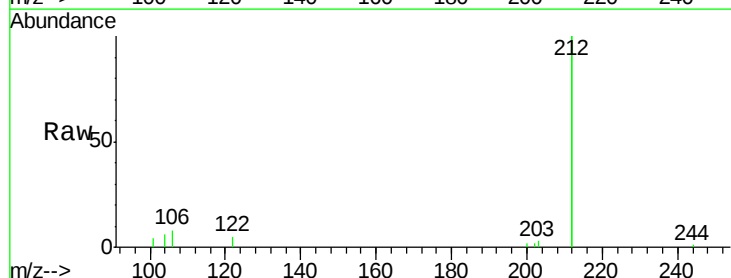
Tgt Ion:212 Resp: 22365

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

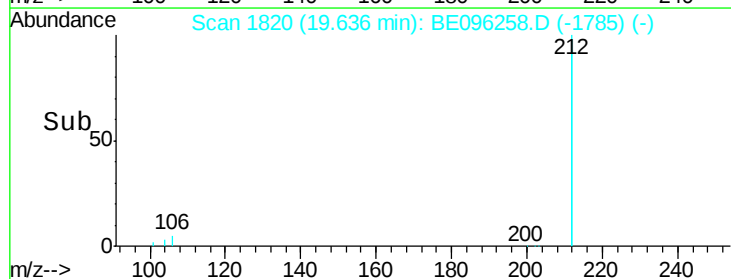
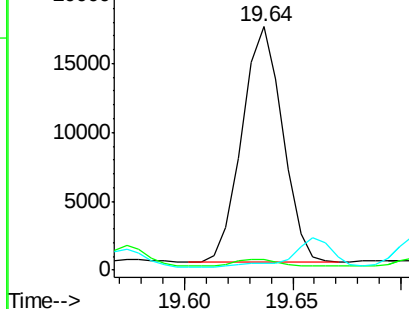
104 0.0 1.6 2.4#

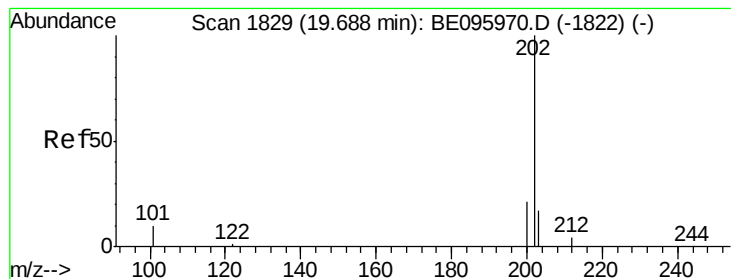


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.192 ng

RT: 19.67 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

ClientSampleId :

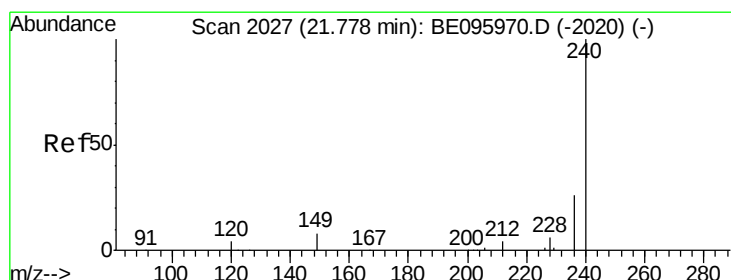
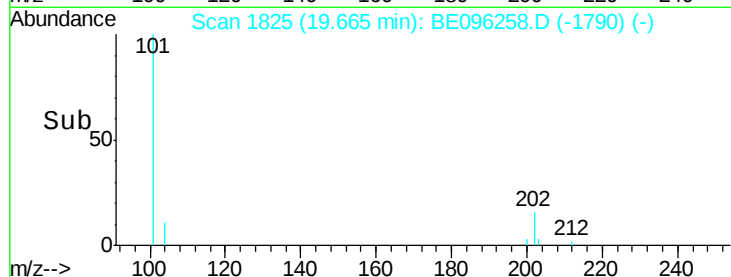
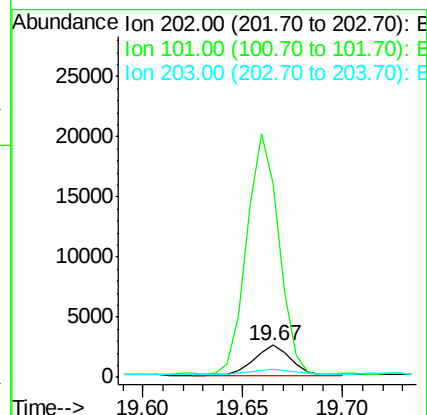
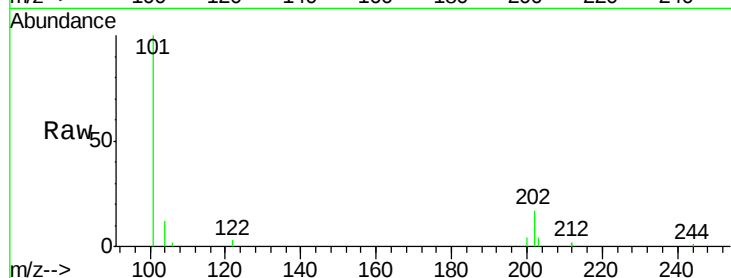
Tot Ion:202 Resp: 3162

Ion Ratio Lower Upper

202 100

101 710.4 9.8 14.8#

203 18.1 13.7 20.5



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.75 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

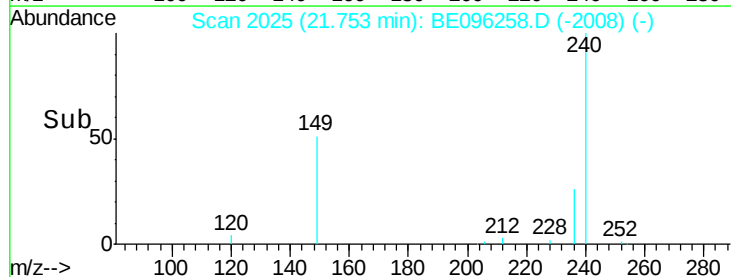
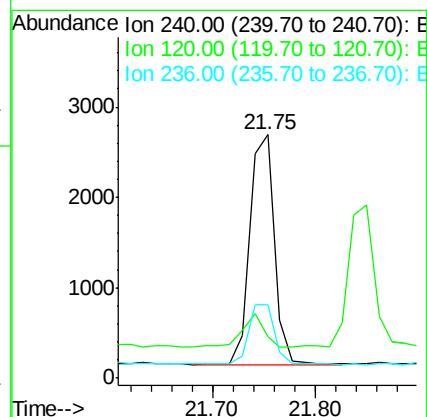
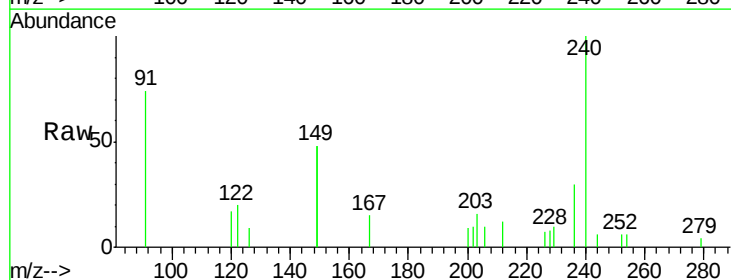
Tgt Ion:240 Resp: 4206

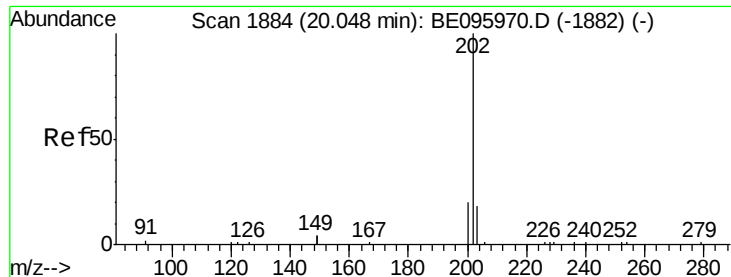
Ion Ratio Lower Upper

240 100

120 17.2 5.5 8.3#

236 30.2 20.7 31.1





#28

Pvrene

Concen: 0.034 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

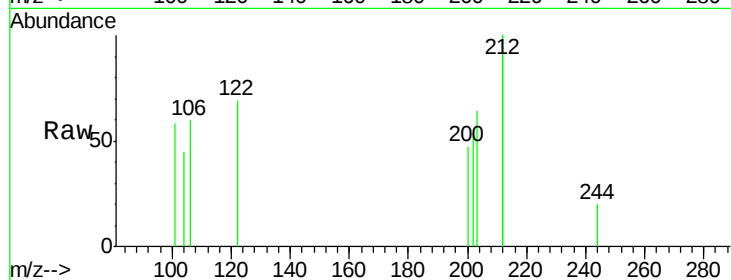
Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

ClientSampleId :



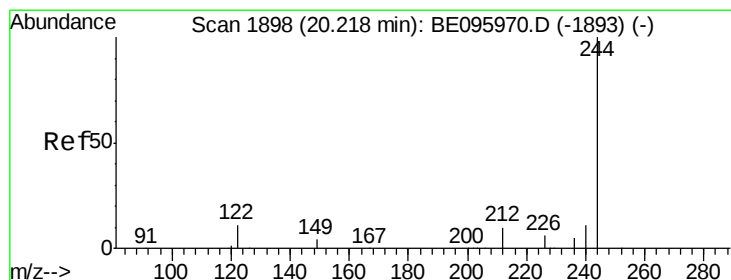
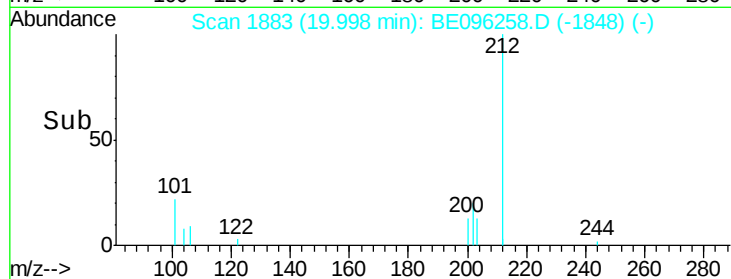
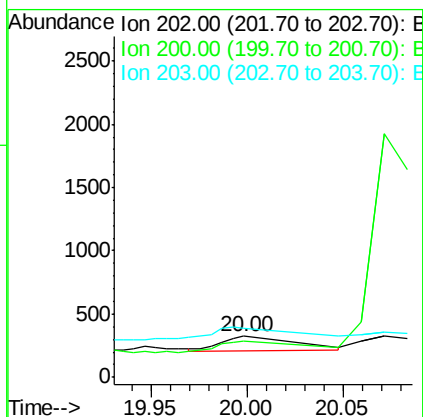
Tot Ion:202 Resp: 281

Ion Ratio Lower Upper

202 100

200 0.0 16.6 25.0#

203 100.4 13.8 20.8#



#29

Terphenyl-d14

Concen: 0.541 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

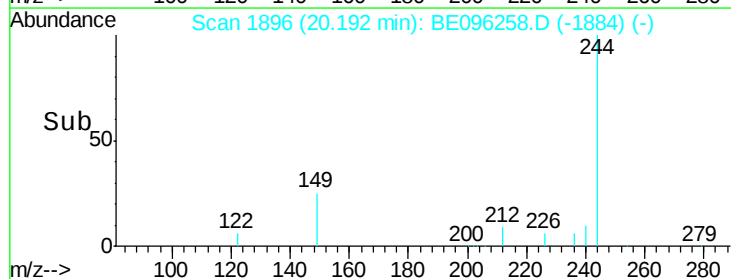
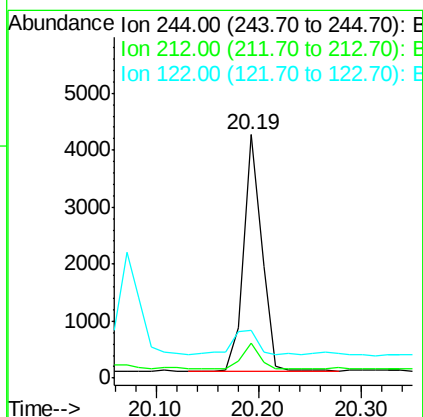
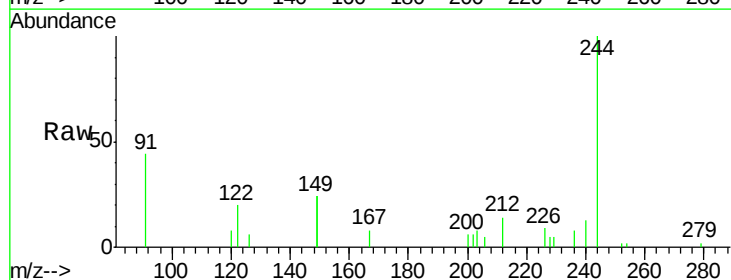
Tgt Ion:244 Resp: 5030

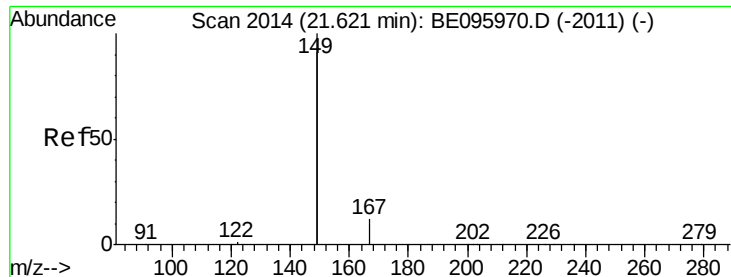
Ion Ratio Lower Upper

244 100

212 14.5 25.4 38.0#

122 19.6 8.1 12.1#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.102 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

Instrument :

BNA_E

ClientSampleId :

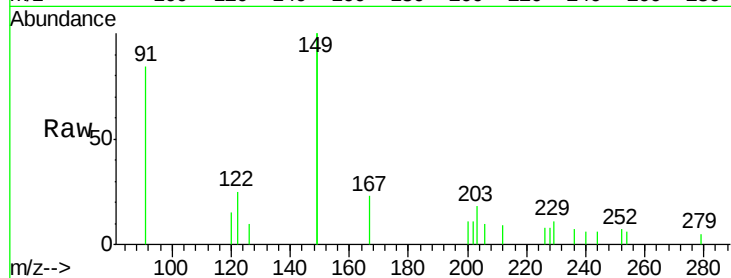
Tot Ion:149 Resp: 3568

Ion Ratio Lower Upper

149 100

167 0.0 5.4 8.0#

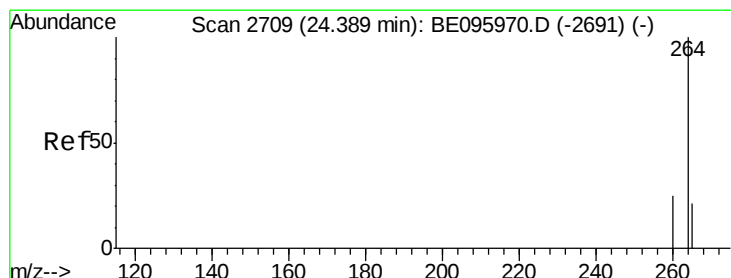
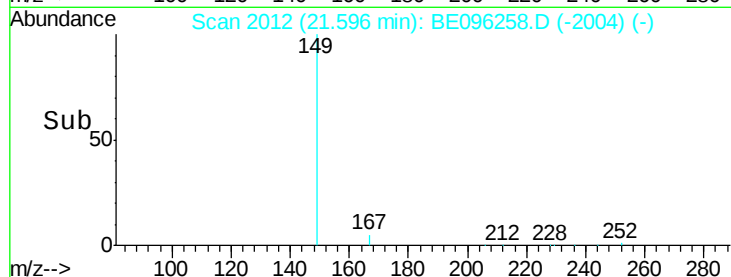
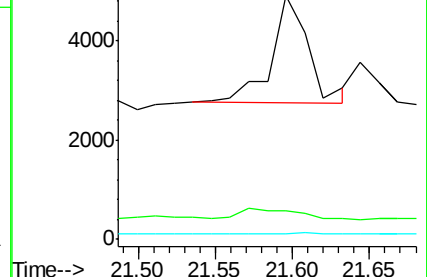
279 1.5 0.7 1.1#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.36 min Scan# 2700

Delta R.T. 0.01 min

Lab File: BE096258.D

Acq: 1 May 2018 15:02

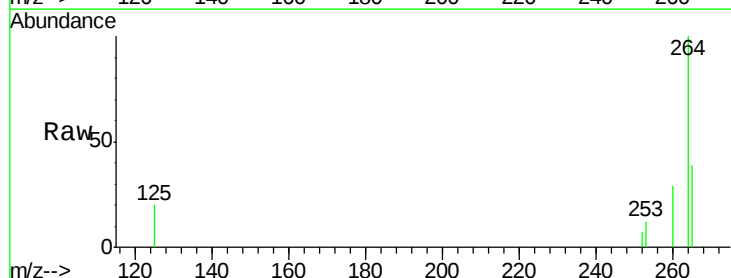
Tgt Ion:264 Resp: 4065

Ion Ratio Lower Upper

264 100

260 28.5 20.5 30.7

265 38.6 22.8 34.2#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

