

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
 Data File : BE096254.D
 Acq On : 1 May 2018 12:38
 Operator : SJ/JU
 Sample : J2464-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 02 01:52:06 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	804	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2998	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	1626	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3814	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3737	0.40	ng	0.00
34) Perylene-d12	24.35	264	3615	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.88	112	527	0.21	ng	0.01
5) Phenol-d6	7.51	99	435	0.13	ng	0.00
8) Nitrobenzene-d5	9.54	82	1535	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1920	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	373	0.48	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2980	0.43	ng	0.00
25) Fluoranthene-d10	19.64	212	21550	0.42	ng	0.00
29) Terphenyl-d14	20.19	244	3716	0.45	ng	0.00

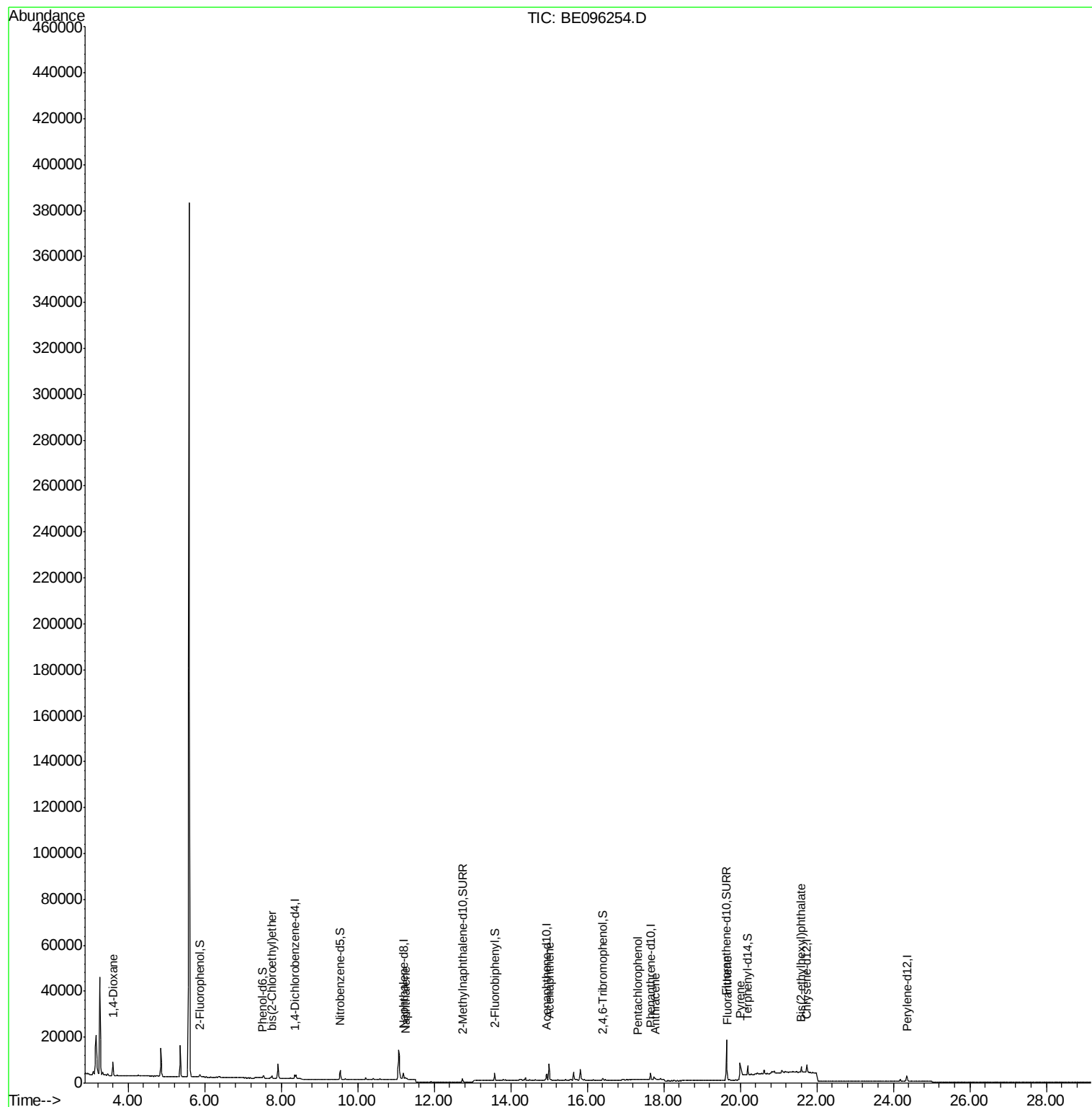
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.60	88	3771	3.036	ng	91
6) bis(2-Chloroethyl)ether	7.76	93	482	0.160	ng	95
9) Naphthalene	11.24	128	1236	0.039	ng	# 83
17) Acenaphthene	15.00	154	3525	0.676	ng	# 89
22) Pentachlorophenol	17.31	266	28	0.162	ng	99
24) Anthracene	17.78	178	401	0.039	ng	# 64
26) Fluoranthene	19.66	202	661	0.047	ng	# 1
28) Pyrene	20.00	202	157	0.021	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.60	149	2993	0.097	ng	# 99

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

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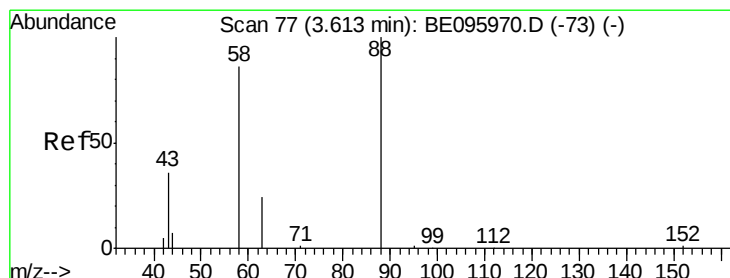
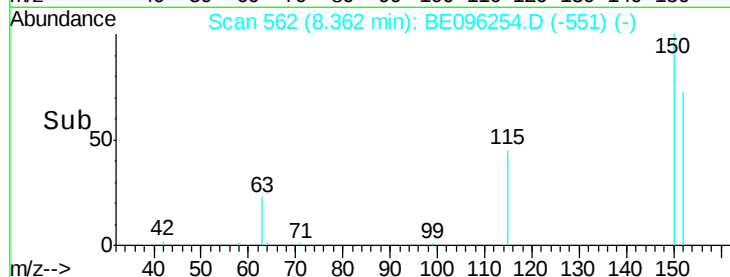
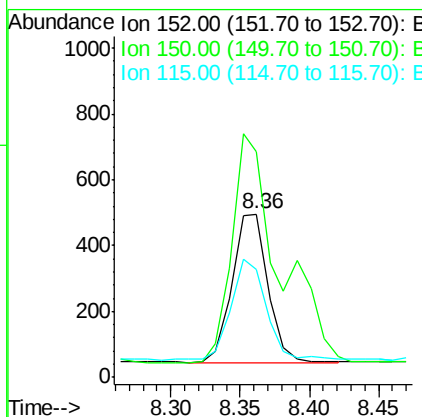
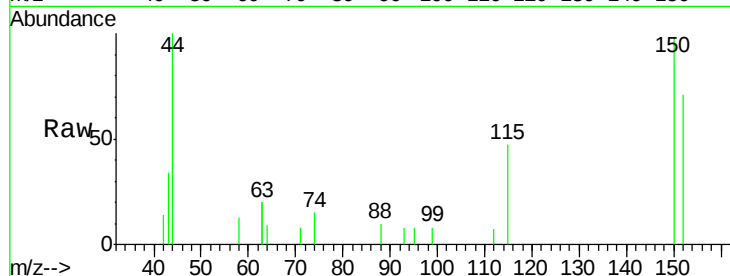


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BE096254.D
 Acq: 1 May 2018 12:38

Instrument :
 BNA_E
 ClientSampled :

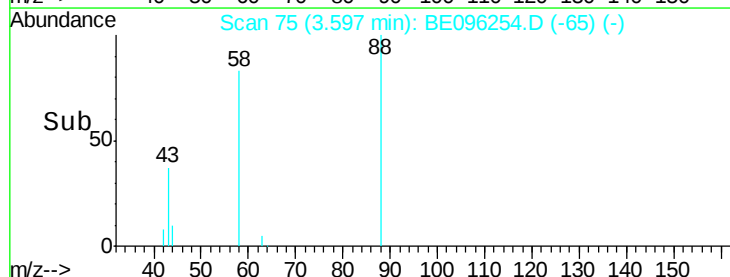
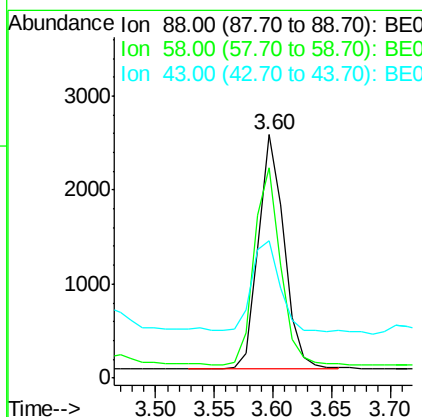
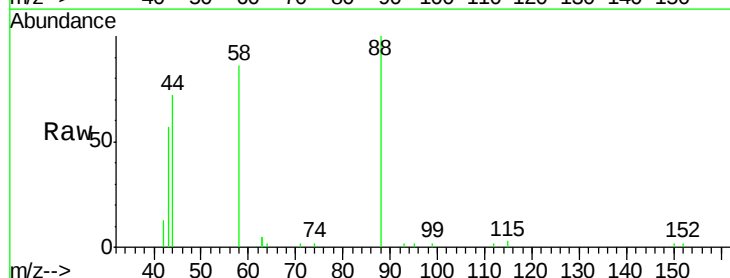
Tot Ion:152 Resp: 804
 Ion Ratio Lower Upper
 152 100
 150 138.6 117.2 175.8
 115 66.5 57.0 85.6

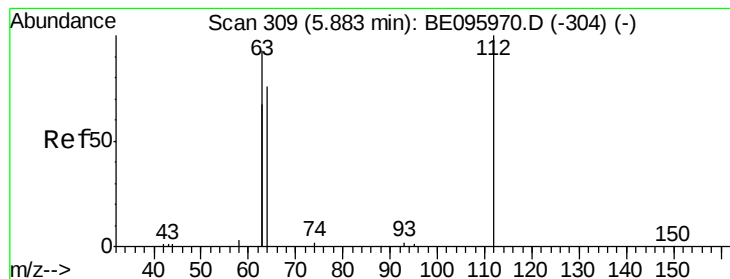


#2

1,4-Dioxane
 Concen: 3.036 ng
 RT: 3.60 min Scan# 75
 Delta R.T. -0.01 min
 Lab File: BE096254.D
 Acq: 1 May 2018 12:38

Tgt Ion: 88 Resp: 3771
 Ion Ratio Lower Upper
 88 100
 58 85.5 63.2 94.8
 43 43.6 41.2 61.8





#4

2-Fluorophenol

Concen: 0.212 ng

RT: 5.88 min Scan# 308

Delta R.T. 0.01 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

Instrument :

BNA_E

ClientSampled :

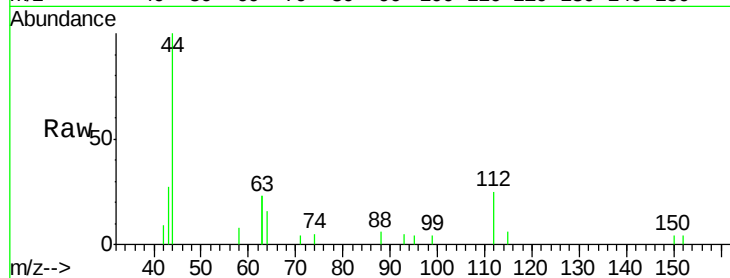
Tot Ion:112 Resp: 527

Ion Ratio Lower Upper

112 100

64 76.5 60.1 90.1

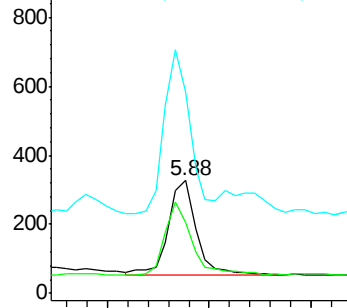
63 157.9 116.8 175.2



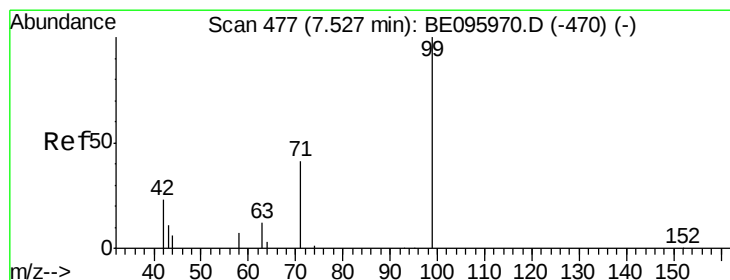
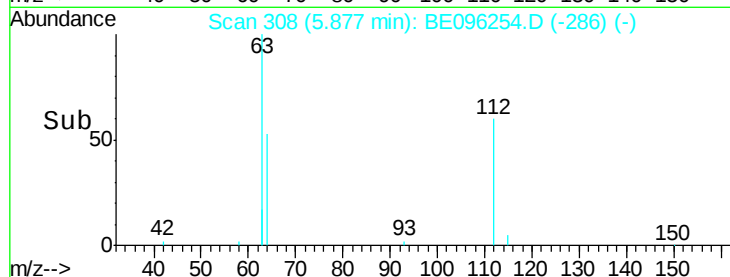
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.127 ng

RT: 7.51 min Scan# 475

Delta R.T. 0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

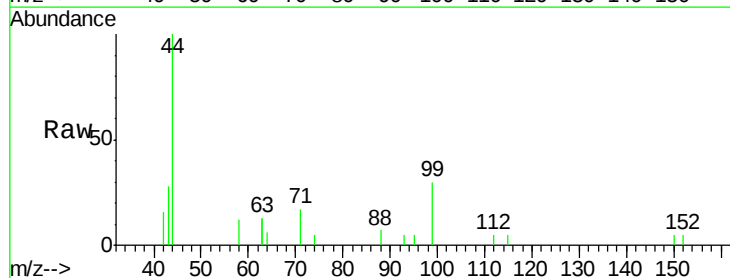
Tgt Ion: 99 Resp: 435

Ion Ratio Lower Upper

99 100

42 34.0 20.2 30.2#

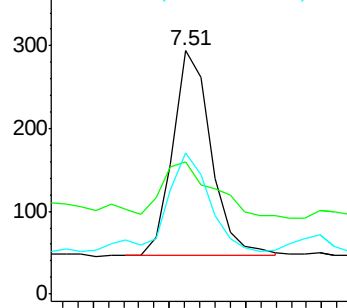
71 52.9 28.4 42.6#



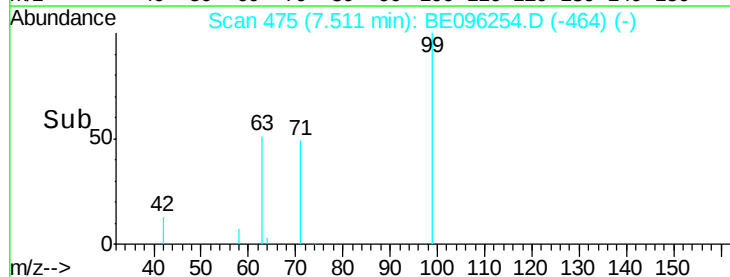
Abundance Ion 99.00 (98.70 to 99.70): BE0

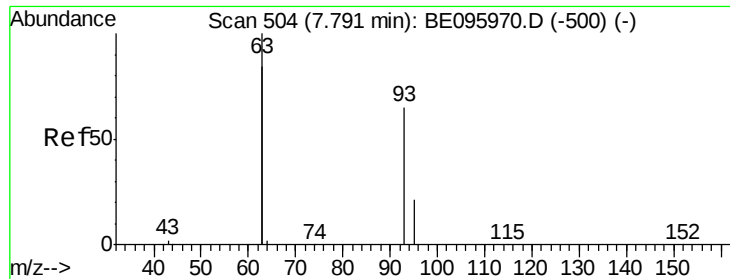
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.160 ng

RT: 7.76 min Scan# 500

Delta R.T. -0.01 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

Instrument :

BNA_E

ClientSampleId :

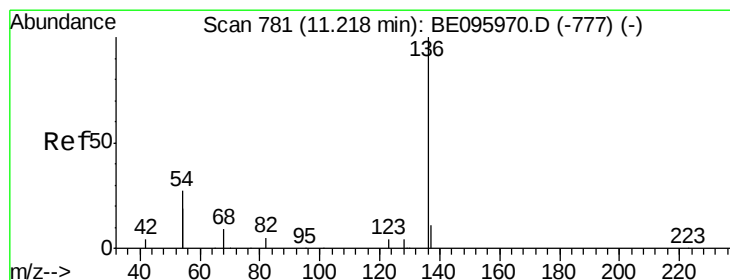
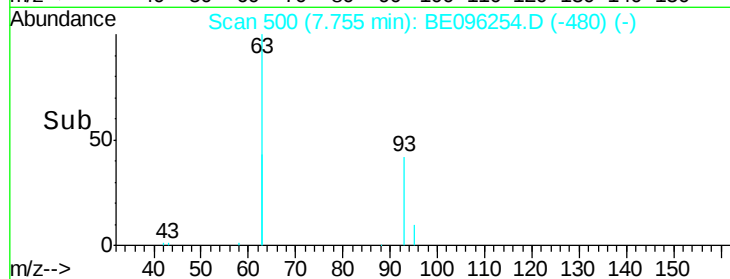
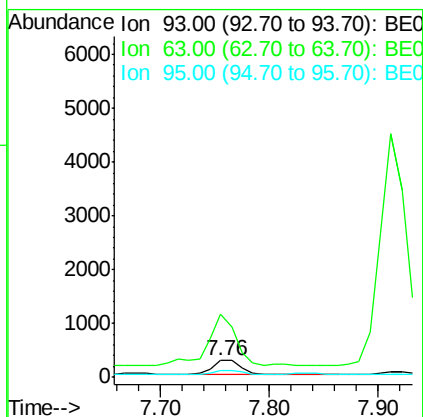
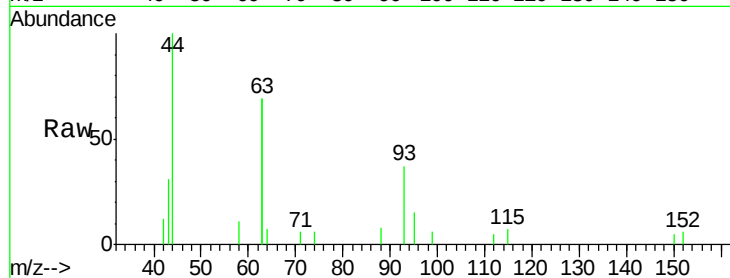
Tot Ion: 93 Resp: 482

Ion Ratio Lower Upper

93 100

63 354.8 275.3 412.9

95 31.3 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: BE096254.D

Acq: 1 May 2018 12:38

Tgt Ion: 136 Resp: 2998

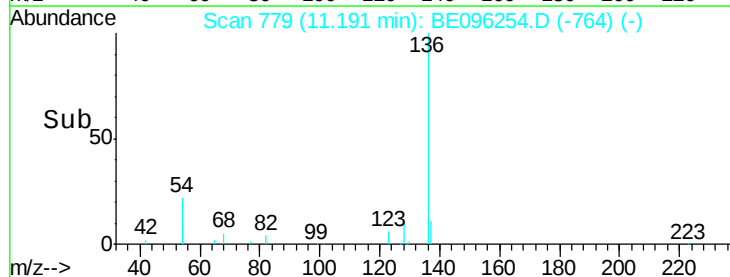
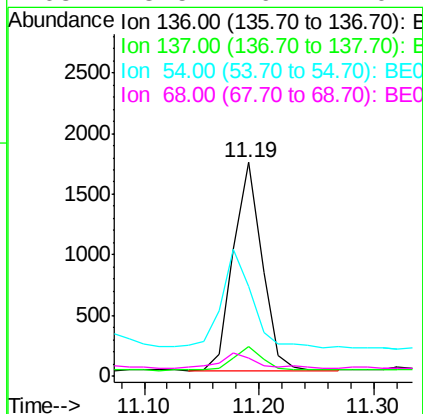
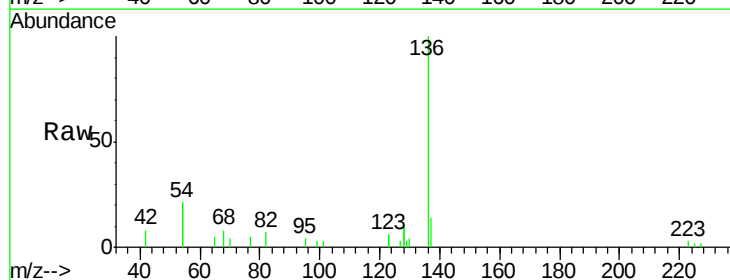
Ion Ratio Lower Upper

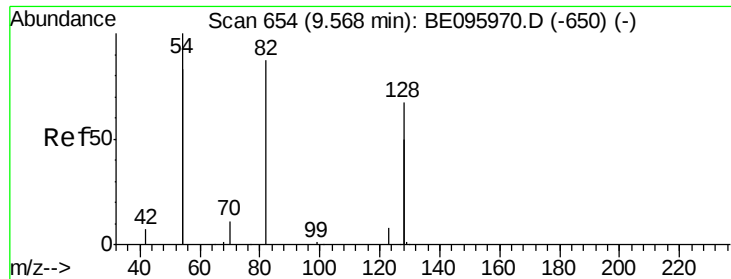
136 100

137 13.7 9.5 14.3

54 42.0 29.1 43.7

68 8.5 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.437 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

Instrument :

BNA_E

ClientSampled :

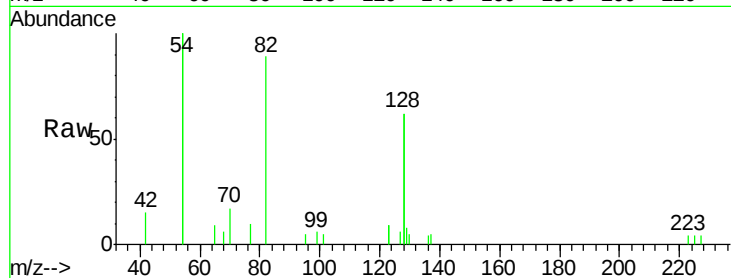
Tot Ion: 82 Resp: 1535

Ion Ratio Lower Upper

82 100

128 139.5 150.0 225.0#

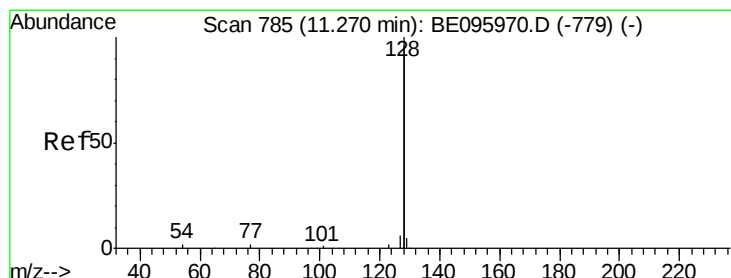
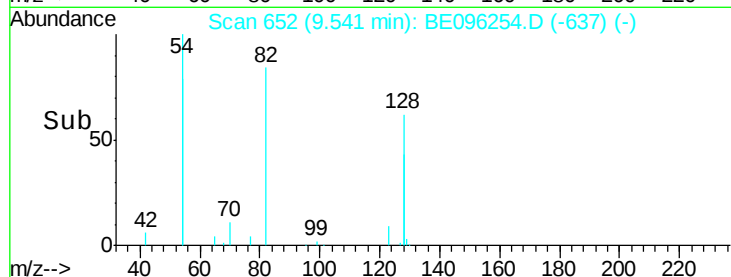
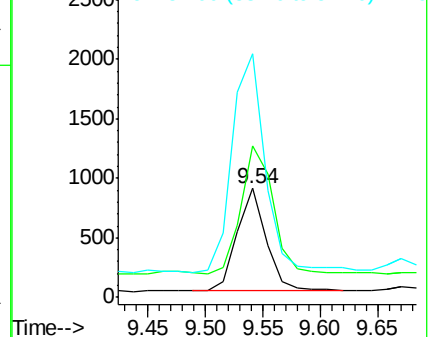
54 223.6 154.2 231.4



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: 0.039 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

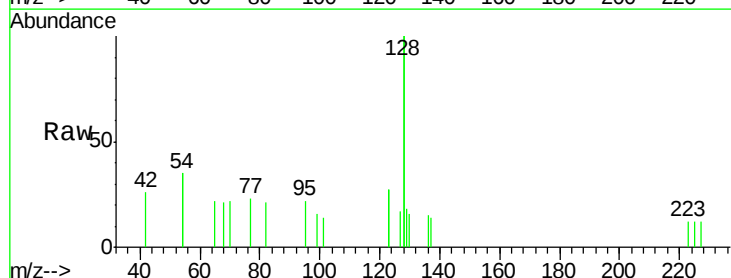
Tgt Ion: 128 Resp: 1236

Ion Ratio Lower Upper

128 100

129 9.1 2.6 3.8#

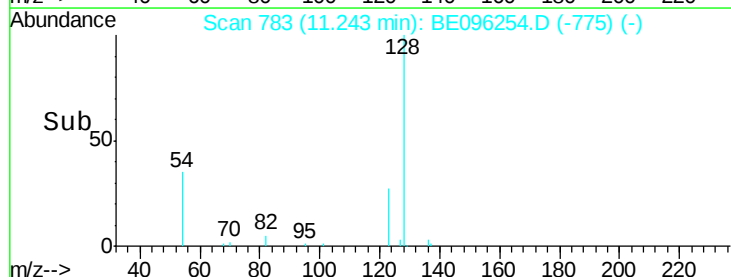
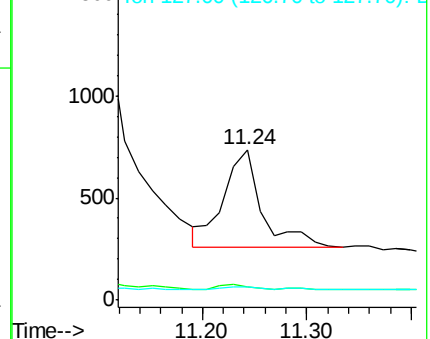
127 8.7 2.8 4.2#

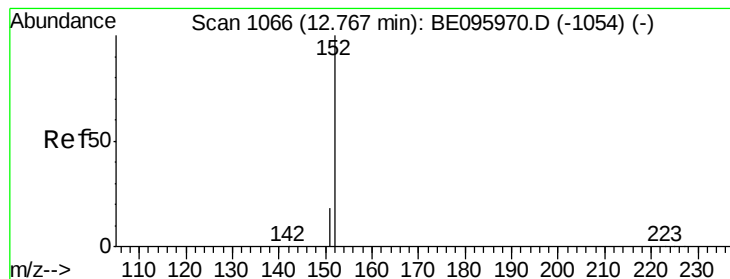


Abundance Ion 128.00 (127.70 to 128.70): BE095970.D (-779) (-)

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: 0.404 ng

RT: 12.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

Instrument :

BNA_E

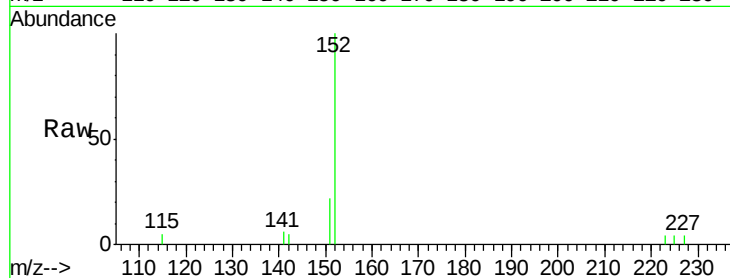
ClientSampled :

Tot Ion:152 Resp: 1920

Ion Ratio Lower Upper

152 100

151 20.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

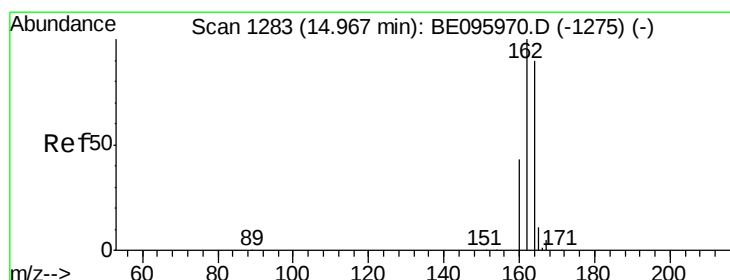
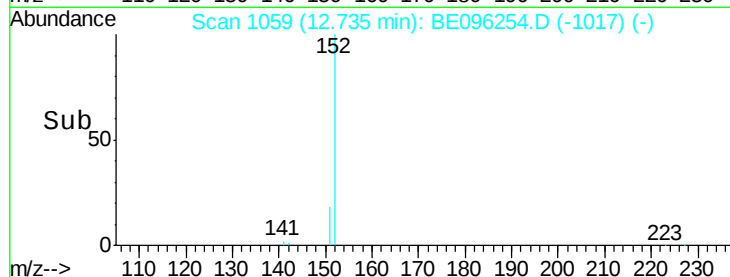
12.74

1000

500

0

Time--> 12.65 12.70 12.75 12.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

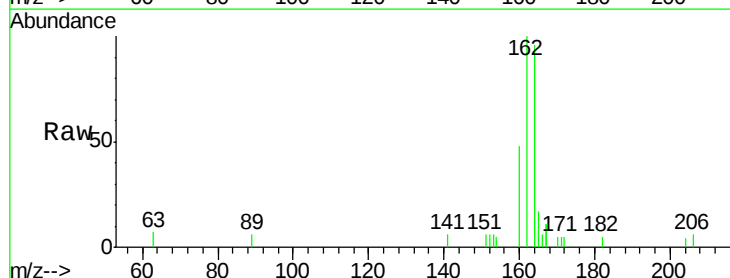
Tgt Ion:164 Resp: 1626

Ion Ratio Lower Upper

164 100

162 104.6 83.1 124.7

160 50.6 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

14.94

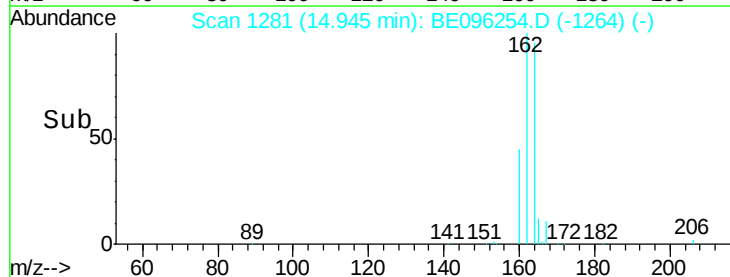
1500

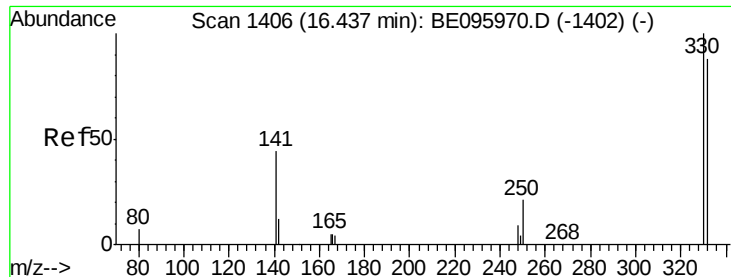
1000

500

0

Time--> 14.90 15.00

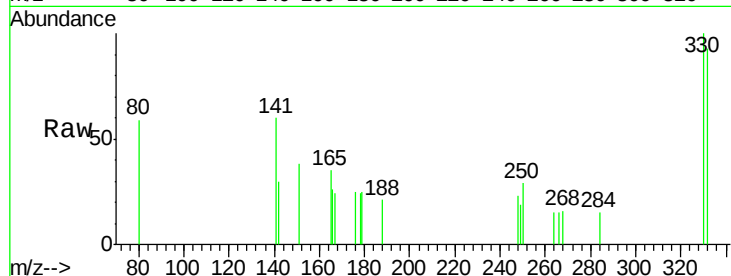




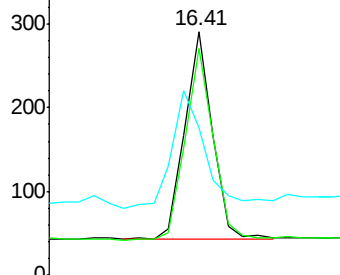
#14
2,4,6-Tribromophenol
Concen: 0.475 ng
RT: 16.41 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BE096254.D
Acq: 1 May 2018 12:38

Instrument :
BNA_E
ClientSampleId :

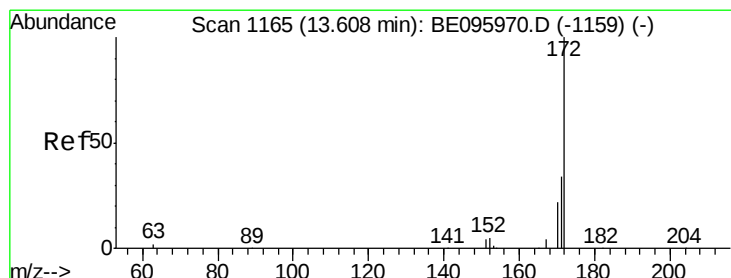
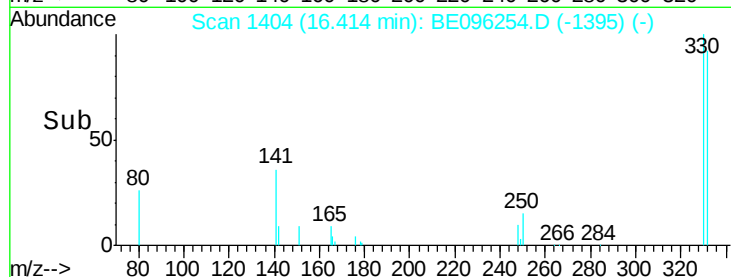
Tot Ion:330 Resp: 373
Ion Ratio Lower Upper
330 100
332 94.4 152.7 229.1#
141 70.2 33.7 50.5#



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

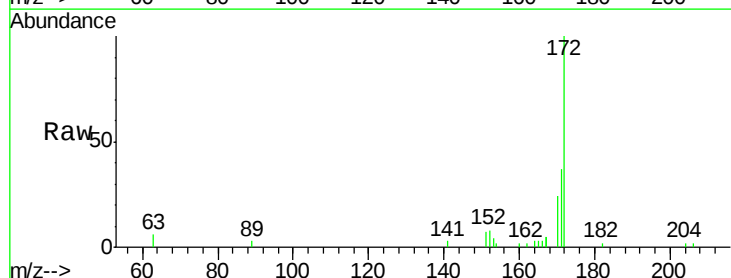


Time--> 16.30 16.40 16.50

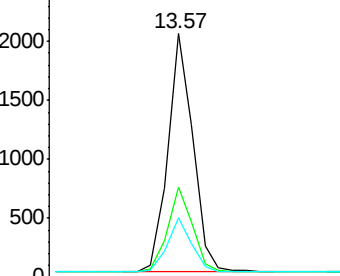


#15
2-Fluorobiphenyl
Concen: 0.428 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096254.D
Acq: 1 May 2018 12:38

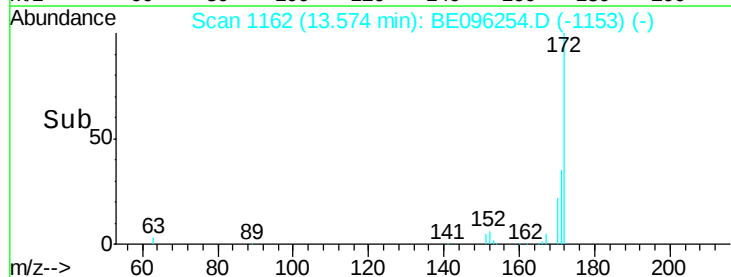
Tgt Ion:172 Resp: 2980
Ion Ratio Lower Upper
172 100
171 36.9 29.9 44.9
170 24.2 21.8 32.8

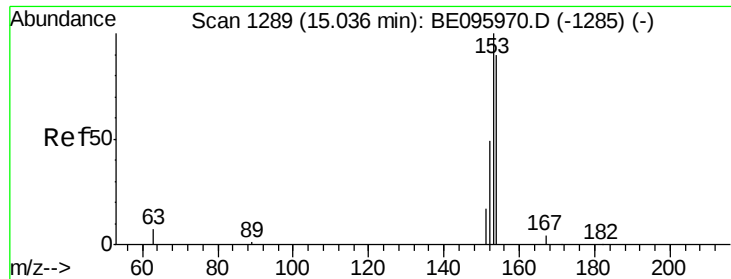


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



Time--> 13.50 13.60





#17

Acenaphthene

Concen: 0.676 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

Instrument :

BNA_E

ClientSampleId :

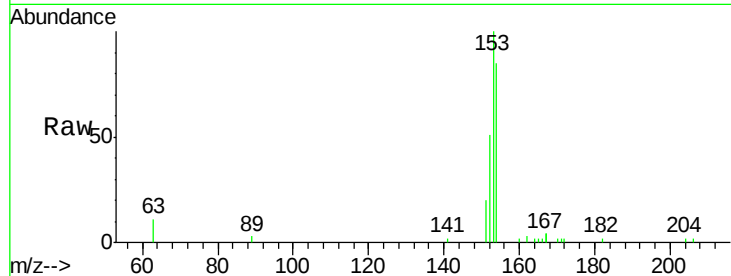
Tot Ion:154 Resp: 3525

Ion Ratio Lower Upper

154 100

153 120.7 89.2 133.8

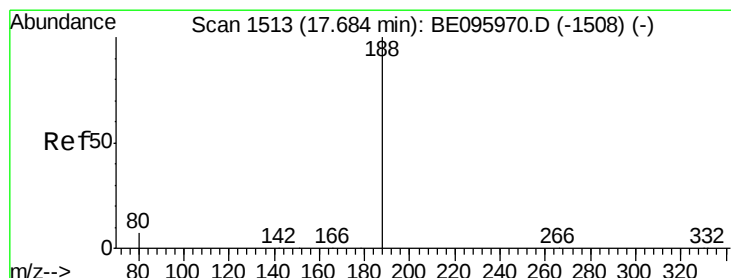
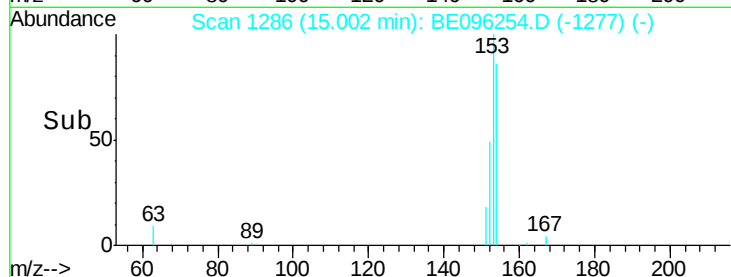
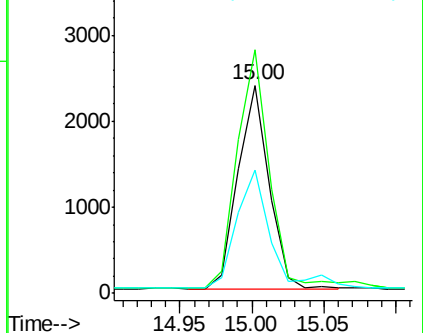
152 64.8 42.0 63.0#



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

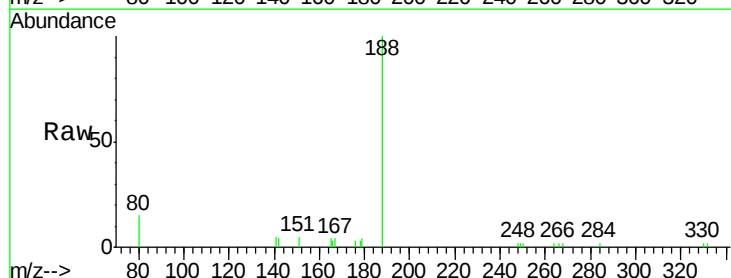
Tgt Ion:188 Resp: 3814

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

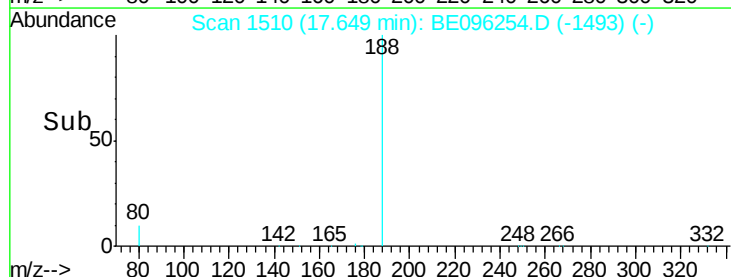
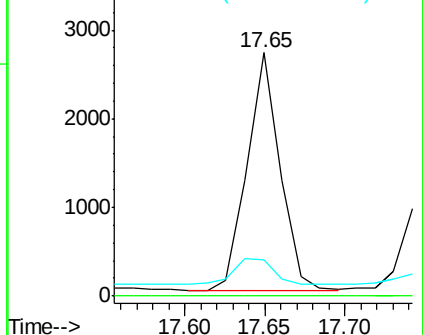
80 14.7 3.6 5.4#

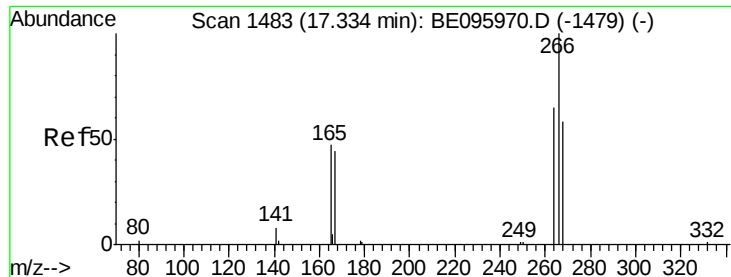


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

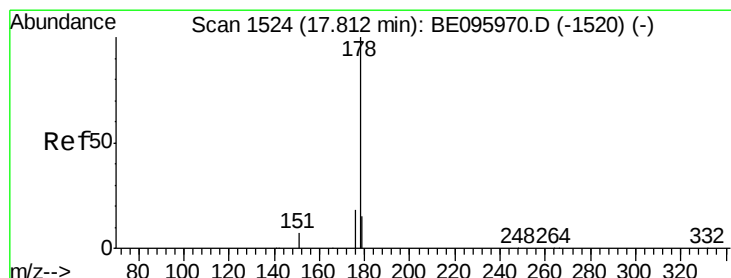
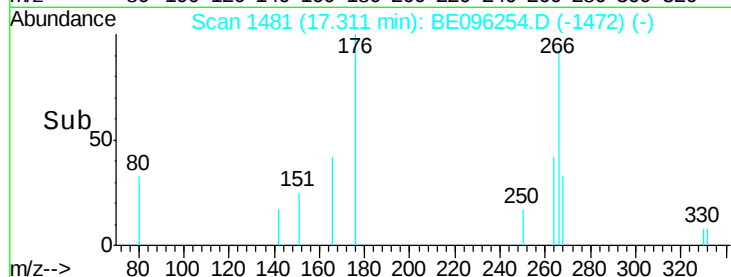
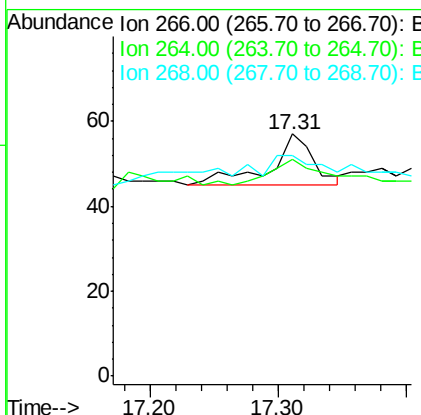
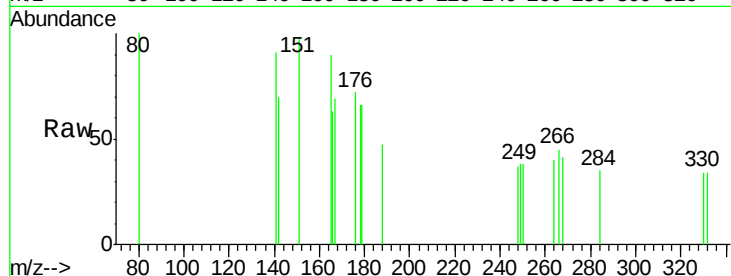




#22
 Pentachlorophenol
 Concen: 0.162 ng
 RT: 17.31 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: BE096254.D
 Acq: 1 May 2018 12:38

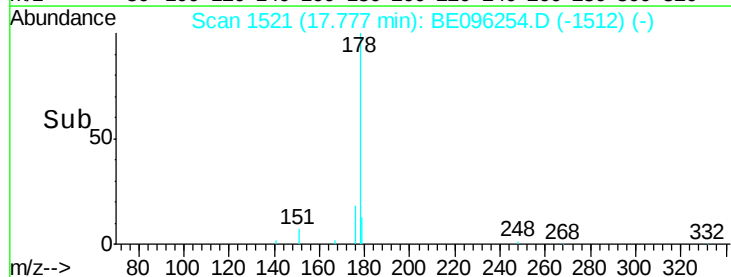
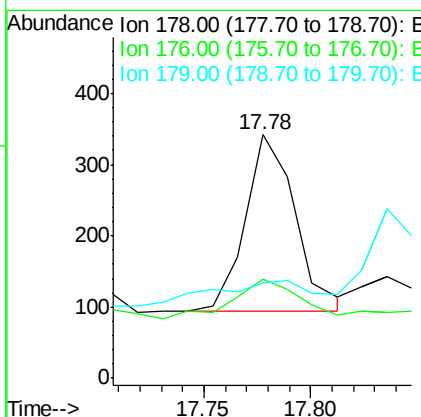
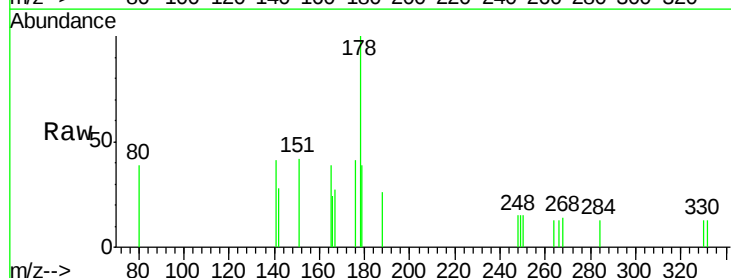
Instrument :
 BNA_E
 ClientSampleId :

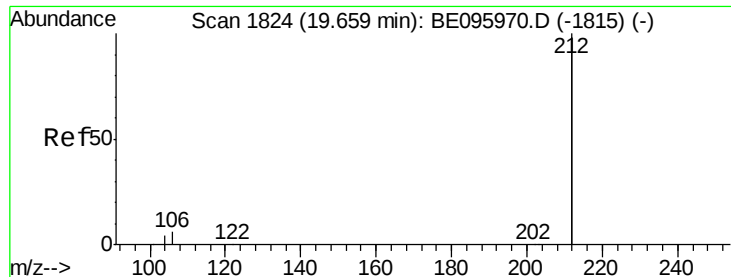
Tot Ion	Ratio	Lower	Upper
266	100		
264	89.5	72.5	108.7
268	91.2	73.8	110.6



#24
 Anthracene
 Concen: 0.039 ng
 RT: 17.78 min Scan# 1521
 Delta R.T. 0.00 min
 Lab File: BE096254.D
 Acq: 1 May 2018 12:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	33.4	12.8	19.2#
179	29.9	13.0	19.6#





#25

Fluoranthene-d10

Concen: 0.416 ng

RT: 19.64 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

Instrument :

BNA_E

ClientSampleId :

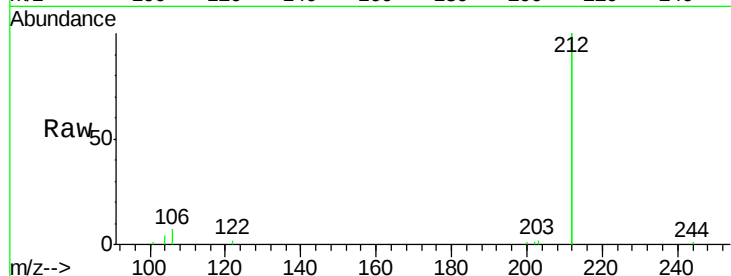
Tot Ion:212 Resp: 21550

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

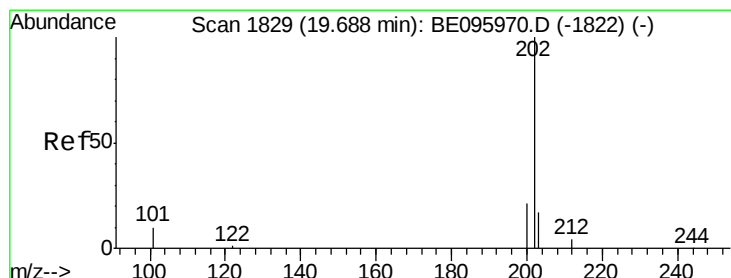
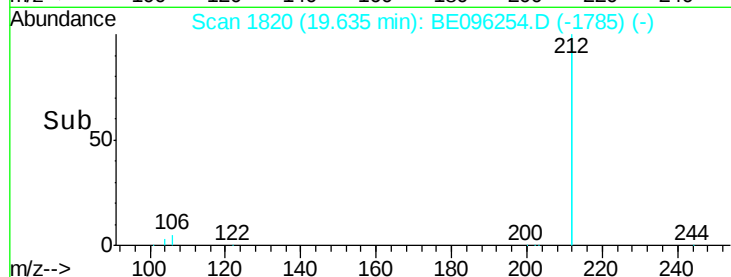
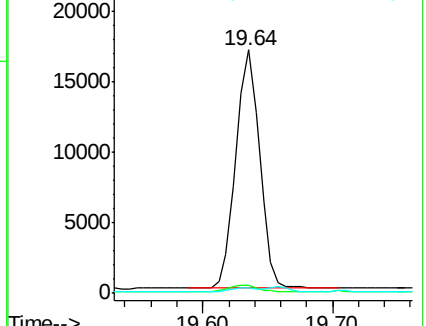
104 1.7 1.6 2.4



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: 0.047 ng

RT: 19.66 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

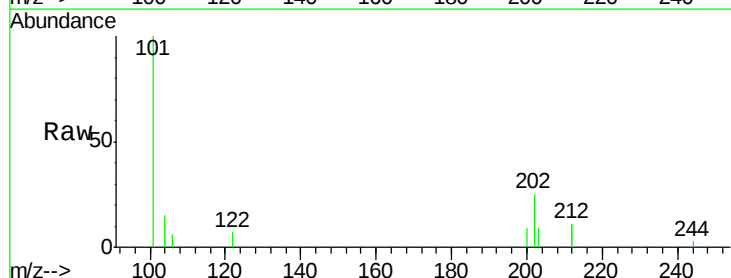
Tgt Ion:202 Resp: 661

Ion Ratio Lower Upper

202 100

101 537.5 9.8 14.8#

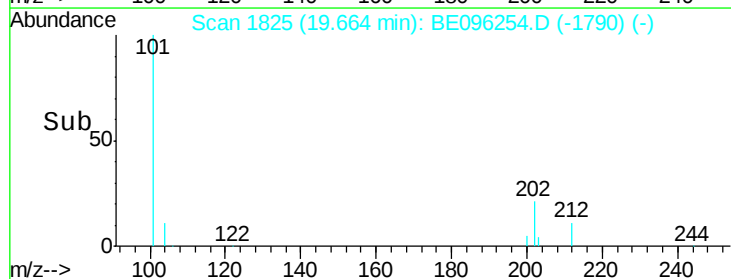
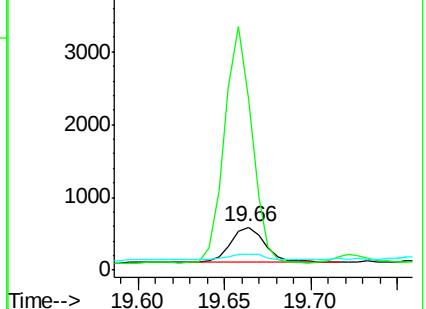
203 21.8 13.7 20.5#

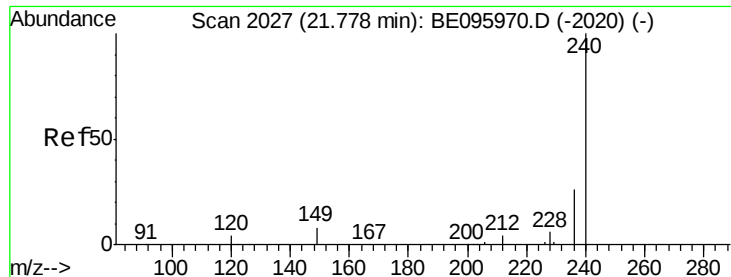


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

Instrument :

BNA_E

ClientSampleId :

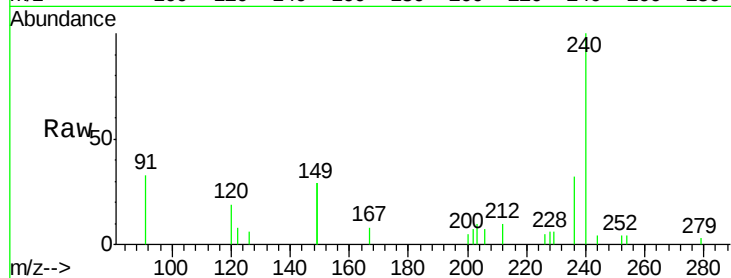
Tot Ion:240 Resp: 3737

Ion Ratio Lower Upper

240 100

120 19.3 5.5 8.3#

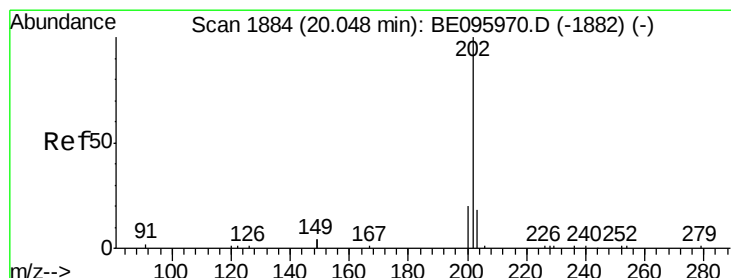
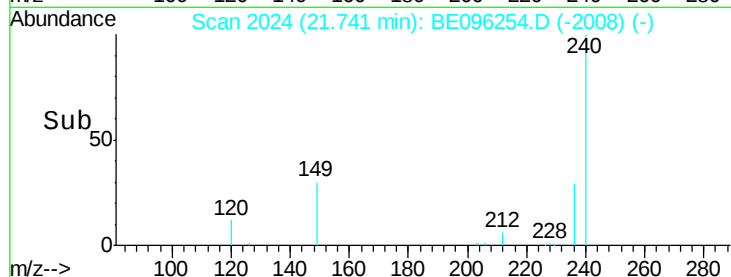
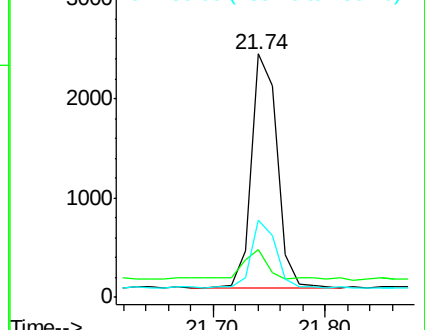
236 31.8 20.7 31.1#



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: 0.021 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

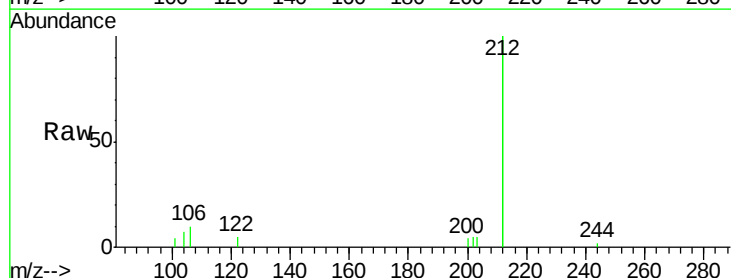
Tgt Ion:202 Resp: 157

Ion Ratio Lower Upper

202 100

200 45.2 16.6 25.0#

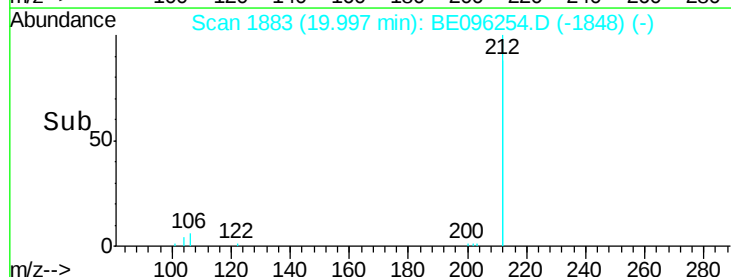
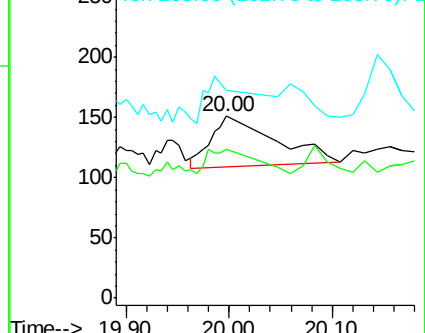
203 88.5 13.8 20.8#

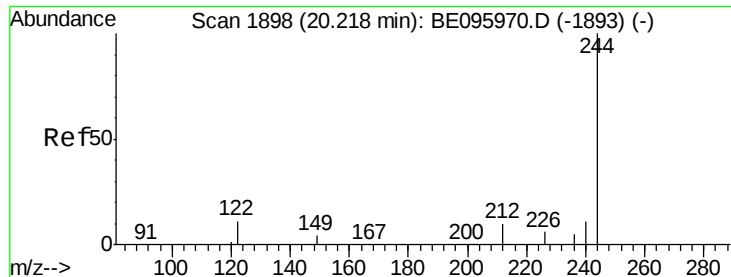


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.450 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

Instrument :

BNA_E

ClientSampleId :

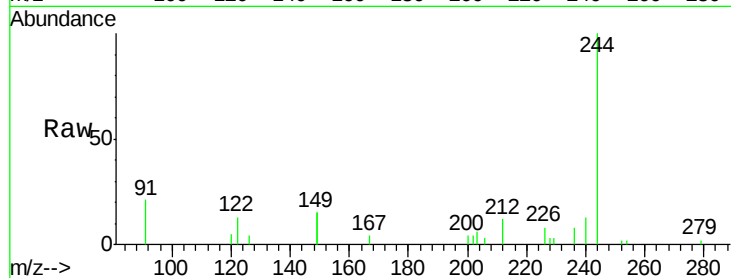
Tot Ion:244 Resp: 3716

Ion Ratio Lower Upper

244 100

212 12.0 25.4 38.0#

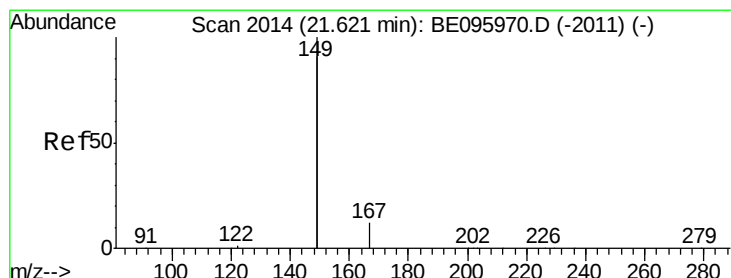
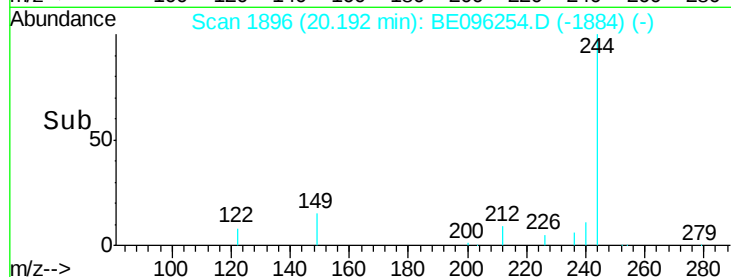
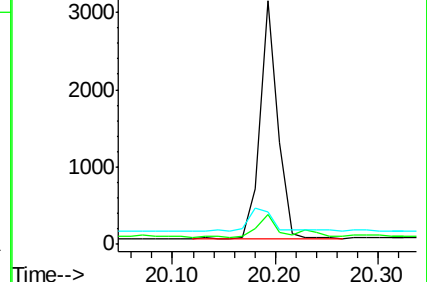
122 13.5 8.1 12.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.097 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096254.D

Acq: 1 May 2018 12:38

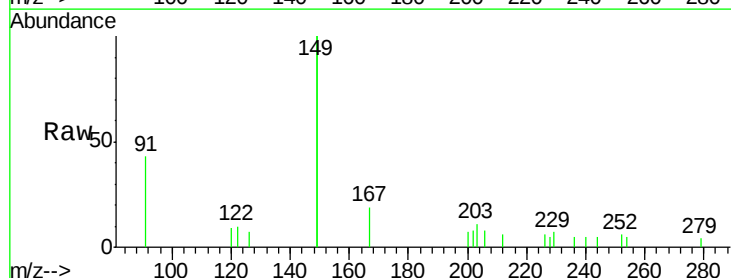
Tgt Ion:149 Resp: 2993

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

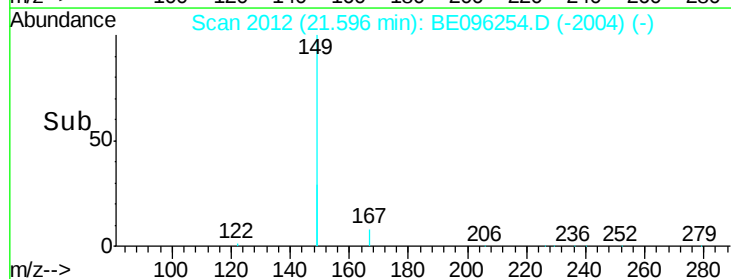
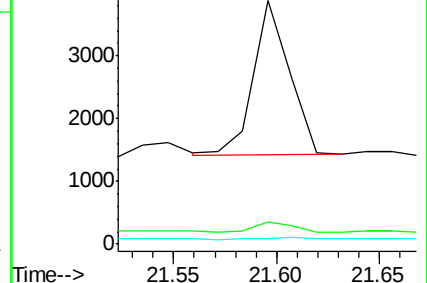
279 1.5 0.7 1.1#

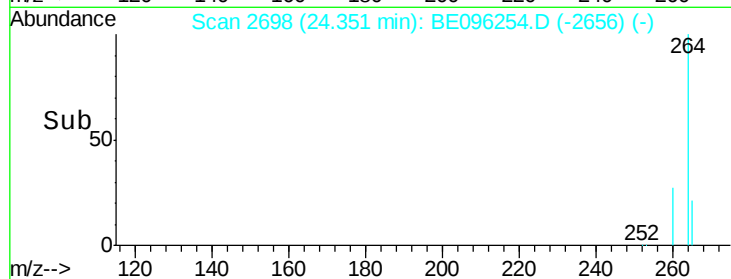
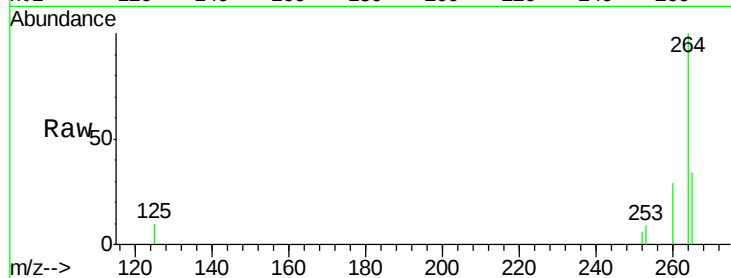
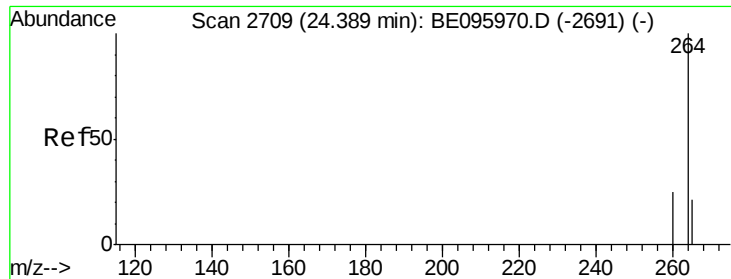


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.35 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: BE096254.D
 Acq: 1 May 2018 12:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:264 Resp: 3615
 Ion Ratio Lower Upper
 264 100
 260 29.4 20.5 30.7
 265 34.3 22.8 34.2#

