

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
 Data File : BE096255.D
 Acq On : 1 May 2018 13:14
 Operator : SJ/JU
 Sample : J2464-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 02 01:52:26 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	710	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2656	0.40	ng	0.00
13) Acenaphthene-d10	14.95	164	1516	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3584	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3848	0.40	ng	0.00
34) Perylene-d12	24.35	264	3649	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	399	0.18	ng	0.00
5) Phenol-d6	7.52	99	382	0.13	ng	0.01
8) Nitrobenzene-d5	9.54	82	1304	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1586	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	321	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2475	0.38	ng	0.00
25) Fluoranthene-d10	19.64	212	19900	0.41	ng	0.00
29) Terphenyl-d14	20.19	244	3158	0.37	ng	0.00

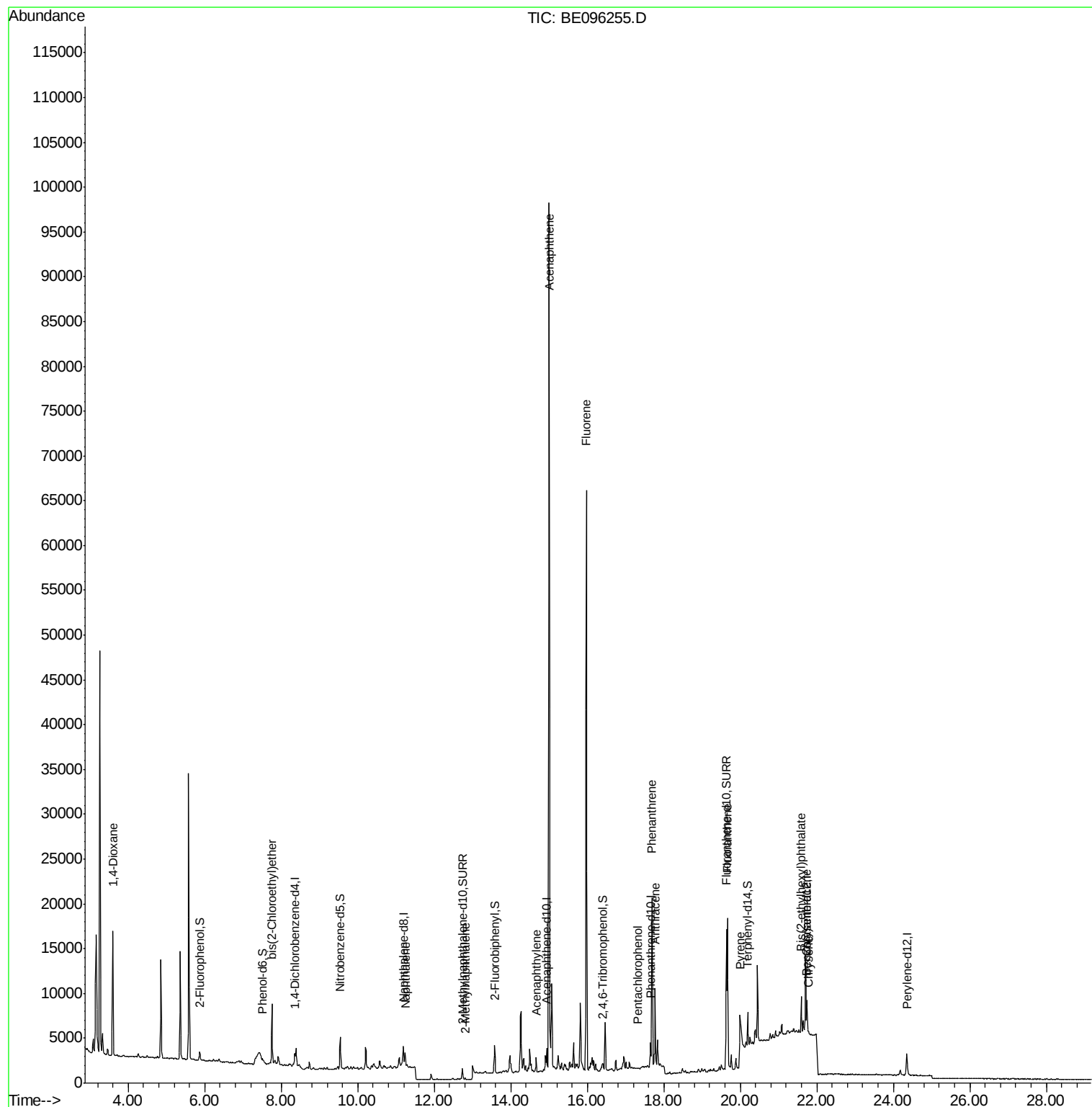
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.60	88	8538	7.785	ng	# 90
6) bis(2-Chloroethyl)ether	7.76	93	2208	0.828	ng	# 93
9) Naphthalene	11.24	128	3113	0.111	ng	# 91
12) 2-Methylnaphthalene	12.80	142	122	0.026	ng	# 64
16) Acenaphthylene	14.67	152	400	0.049	ng	# 53
17) Acenaphthene	15.00	154	45551	9.364	ng	# 94
18) Fluorene	15.97	166	44296	7.358	ng	# 79
22) Pentachlorophenol	17.31	266	15	0.151	ng	# 96
23) Phenanthrene	17.68	178	20564	2.042	ng	# 98
24) Anthracene	17.78	178	8819	0.916	ng	# 88
26) Fluoranthene	19.66	202	10877	0.822	ng	# 50
28) Pyrene	20.00	202	649	0.086	ng	# 1
30) Benzo(a)anthracene	21.73	228	373	0.030	ng	# 36
31) Chrysene	21.79	228	253	0.021	ng	# 8
32) Bis(2-ethylhexyl)phthalate	21.60	149	4599	0.144	ng	# 97

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
Data File : BE096255.D
Acq On : 1 May 2018 13:14
Operator : SJ/JU
Sample : J2464-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 02 01:52:26 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



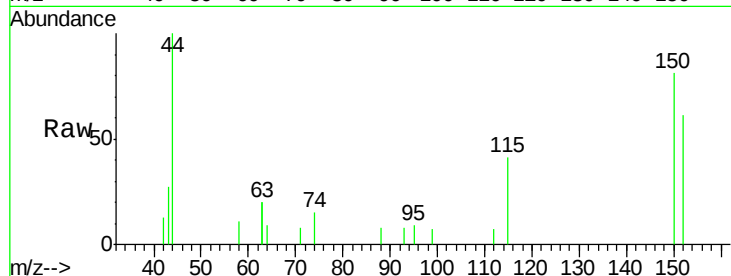


#1

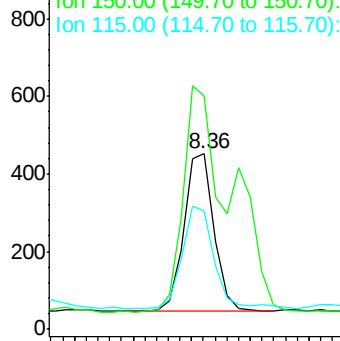
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. 0.00 min
Lab File: BE096255.D
Acq: 1 May 2018 13:14

Instrument :
BNA_E
ClientSampled :

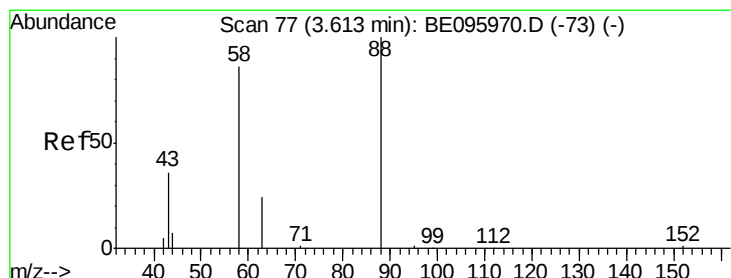
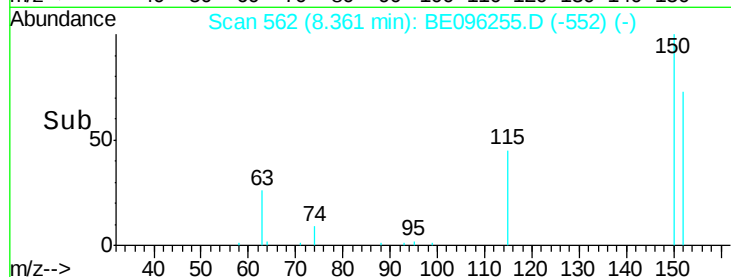
Tot Ion:152 Resp: 710
Ion Ratio Lower Upper
152 100
150 132.7 117.2 175.8
115 67.0 57.0 85.6



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



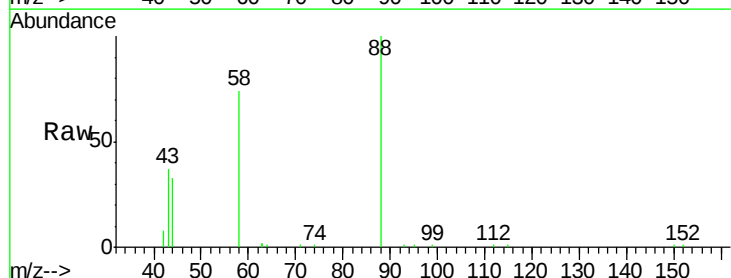
Time--> 8.25 8.30 8.35 8.40 8.45



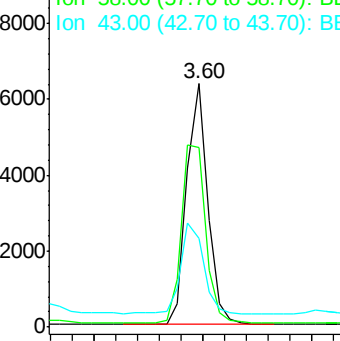
#2

1,4-Dioxane
Concen: 7.785 ng
RT: 3.60 min Scan# 75
Delta R.T. -0.01 min
Lab File: BE096255.D
Acq: 1 May 2018 13:14

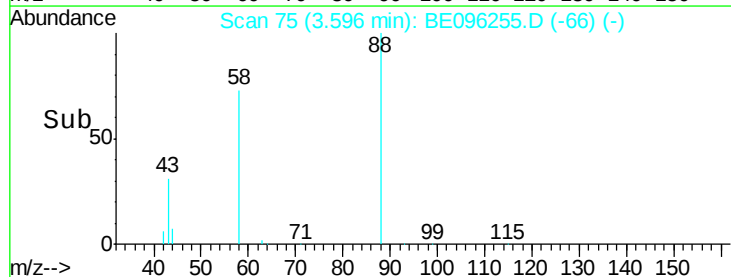
Tgt Ion: 88 Resp: 8538
Ion Ratio Lower Upper
88 100
58 84.6 63.2 94.8
43 41.0 41.2 61.8#

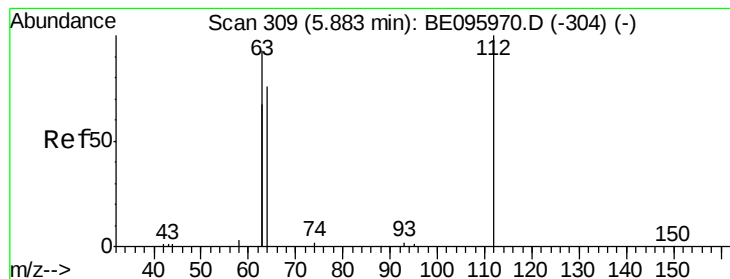


Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



Time--> 3.50 3.60 3.70





#4

2-Fluorophenol

Concen: 0.182 ng

RT: 5.87 min Scan# 307

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

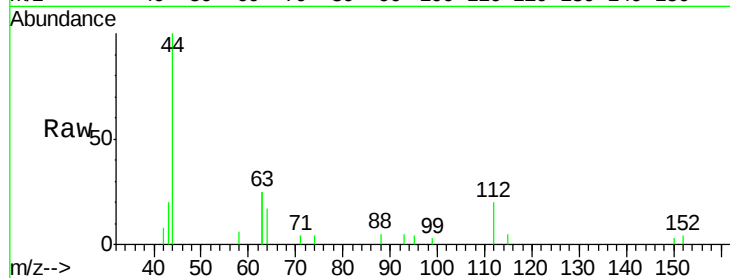
Tot Ion:112 Resp: 399

Ion Ratio Lower Upper

112 100

64 79.2 60.1 90.1

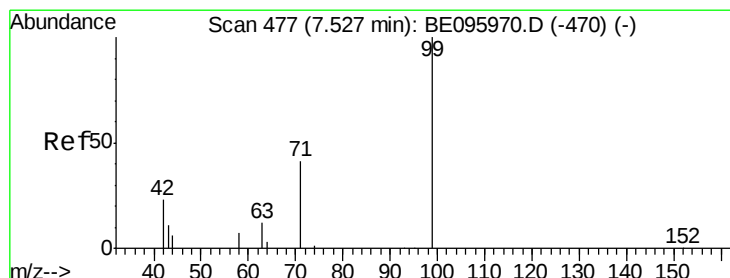
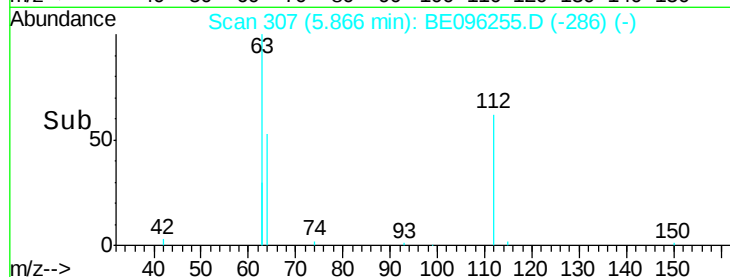
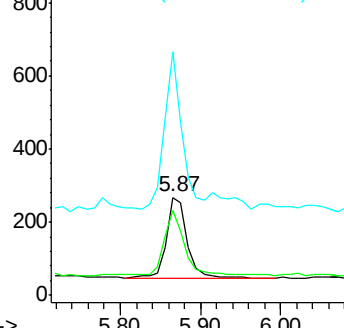
63 167.9 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.126 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

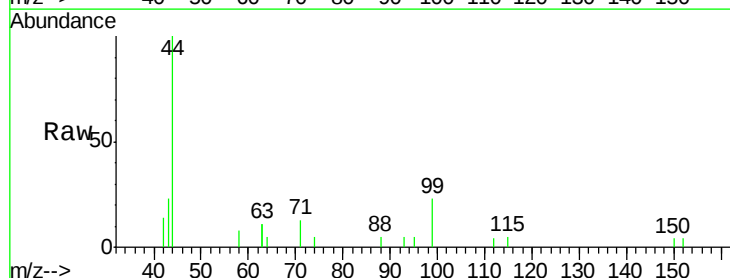
Tgt Ion: 99 Resp: 382

Ion Ratio Lower Upper

99 100

42 37.2 20.2 30.2#

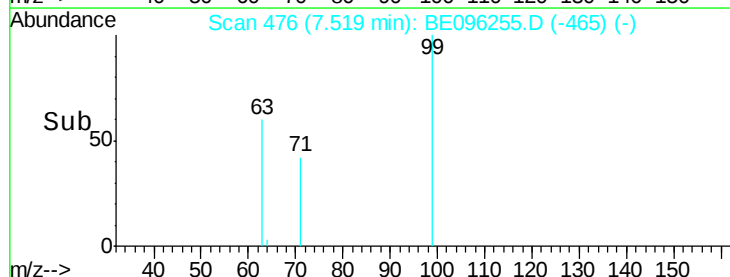
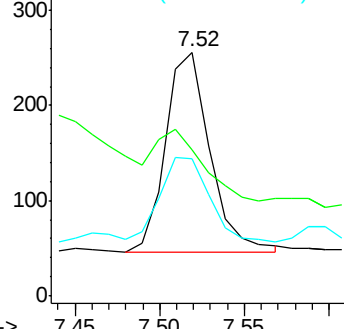
71 47.6 28.4 42.6#

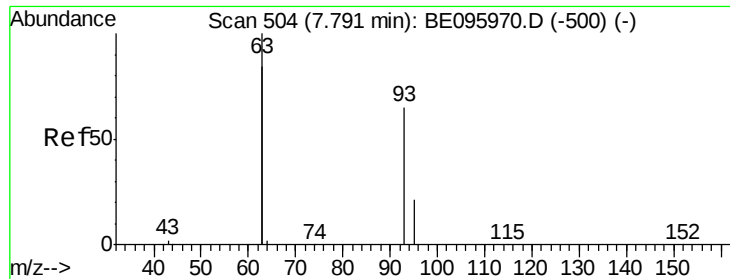


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.828 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

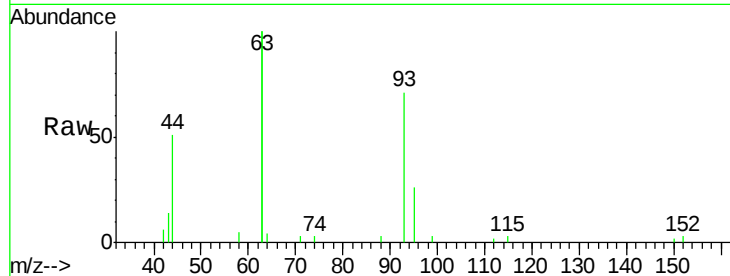
Tot Ion: 93 Resp: 2208

Ion Ratio Lower Upper

93 100

63 359.6 275.3 412.9

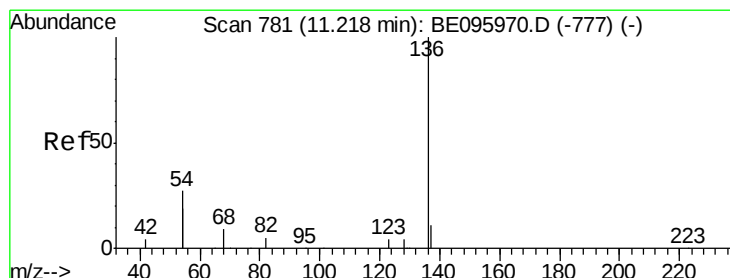
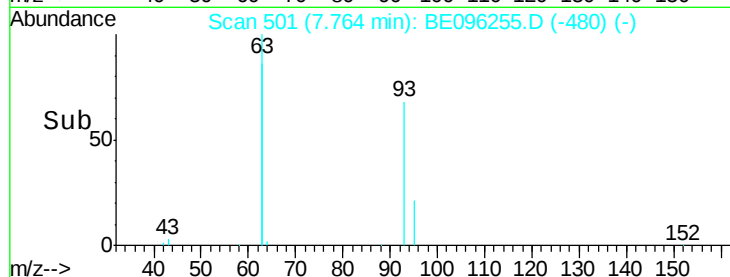
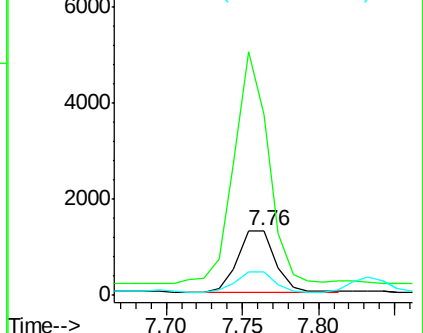
95 35.4 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Tgt Ion: 136 Resp: 2656

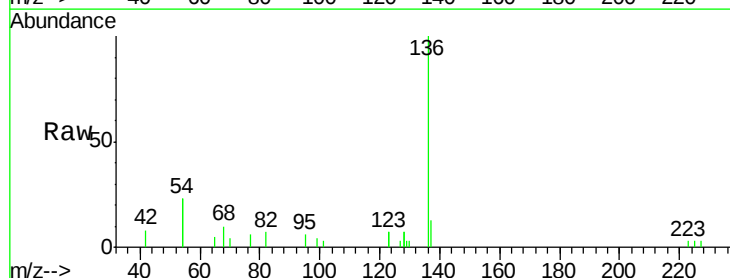
Ion Ratio Lower Upper

136 100

137 13.2 9.5 14.3

54 45.6 29.1 43.7#

68 9.9 6.2 9.2#

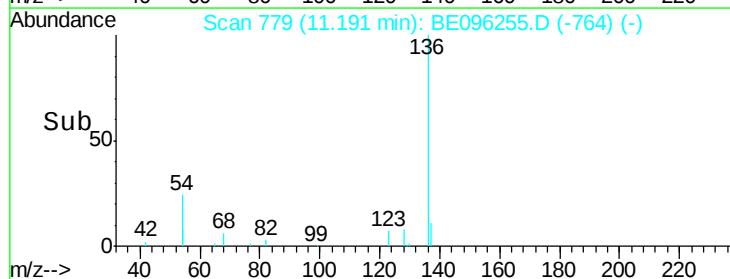
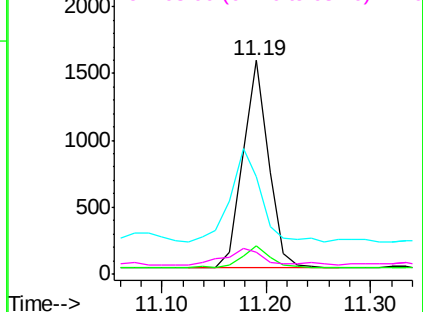


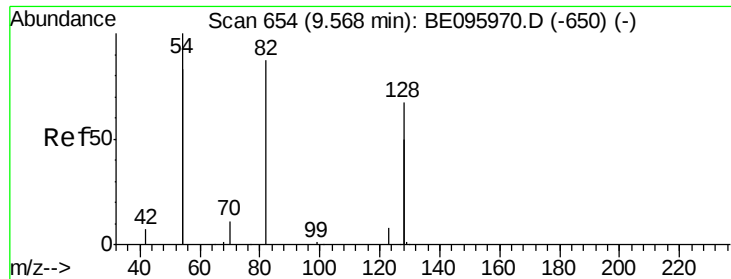
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.419 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

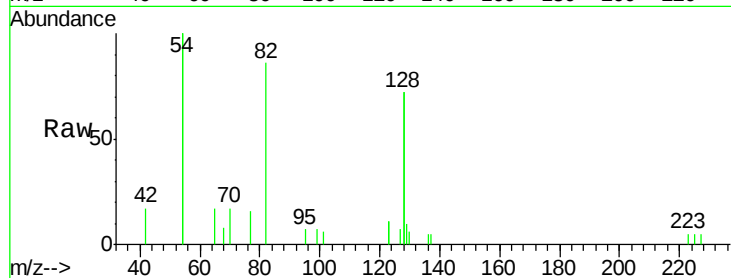
Tot Ion: 82 Resp: 1304

Ion Ratio Lower Upper

82 100

128 166.5 150.0 225.0

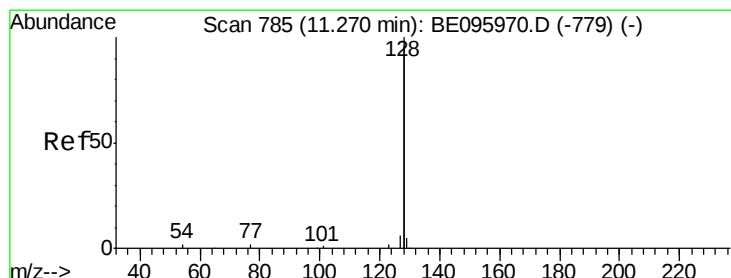
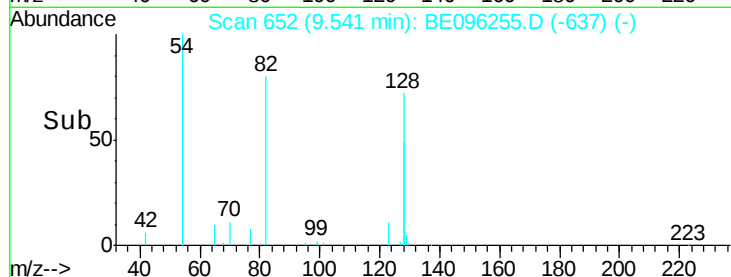
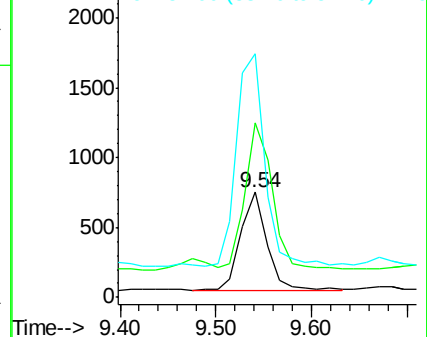
54 231.6 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.111 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

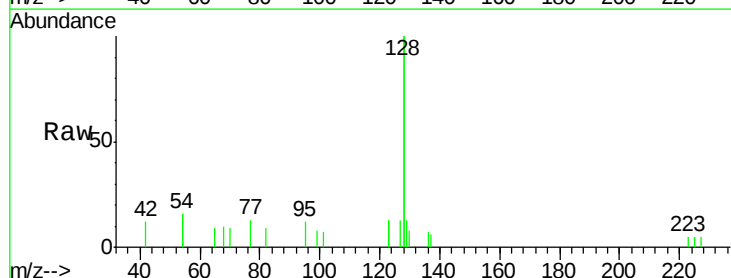
Tgt Ion:128 Resp: 3113

Ion Ratio Lower Upper

128 100

129 6.7 2.6 3.8#

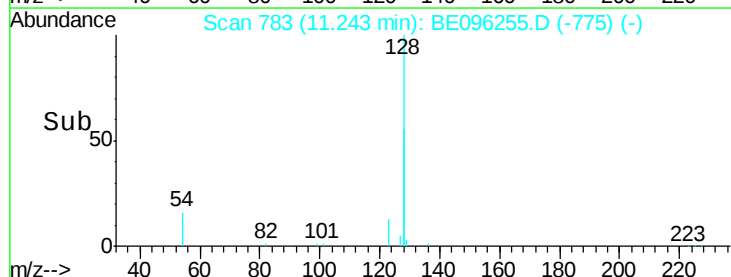
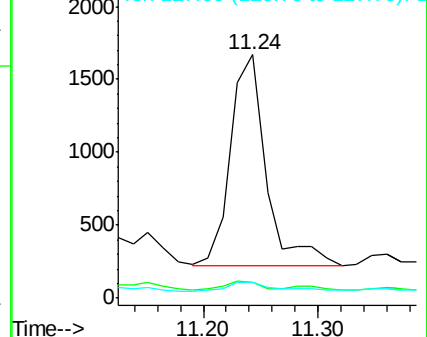
127 6.3 2.8 4.2#

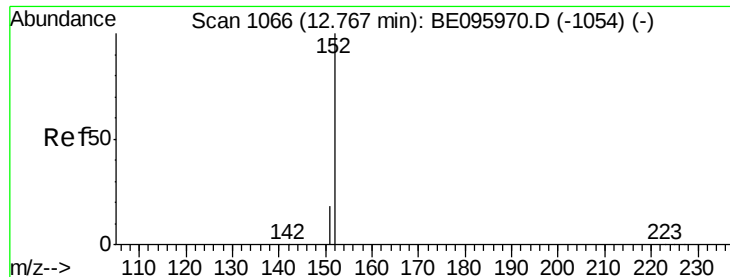


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

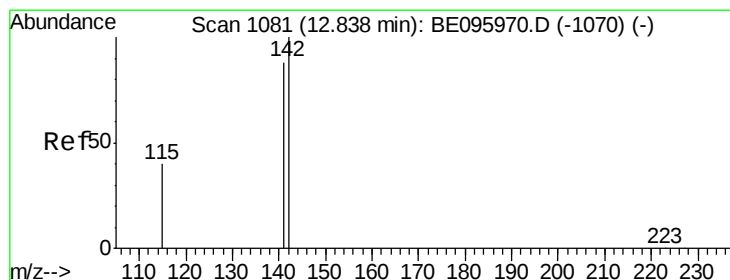
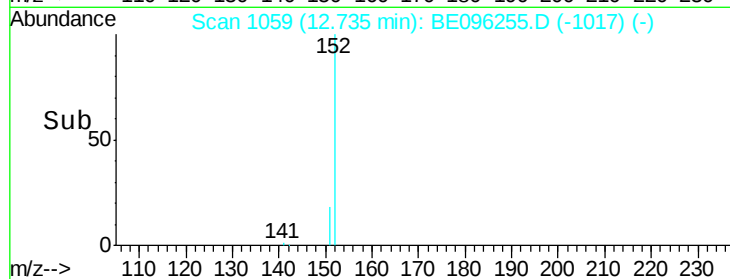
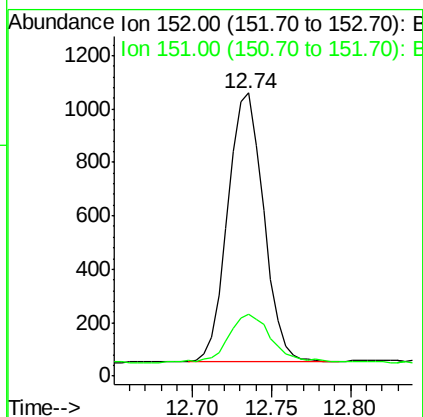
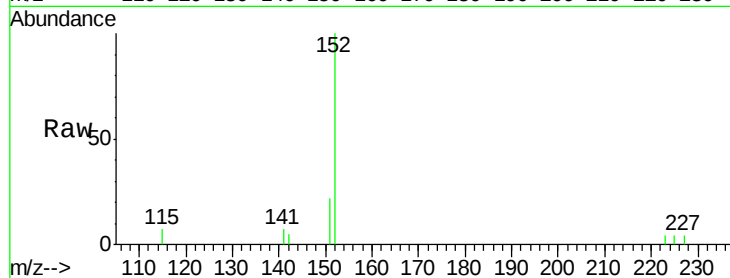




#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 12.74 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BE096255.D
Acq: 1 May 2018 13:14

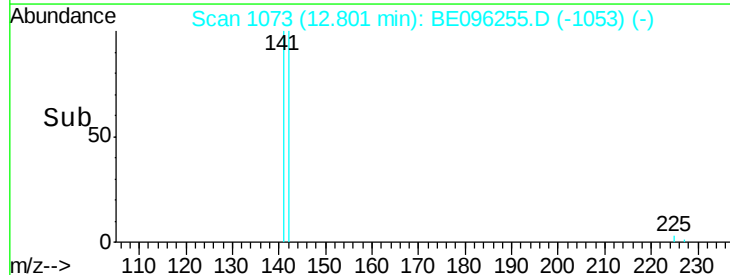
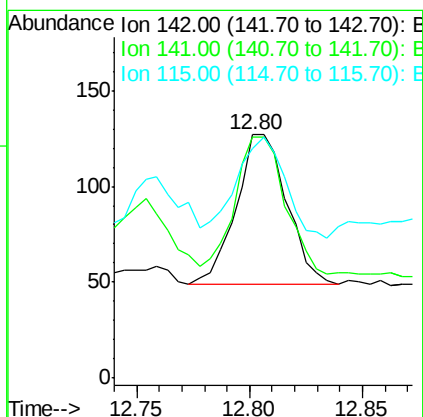
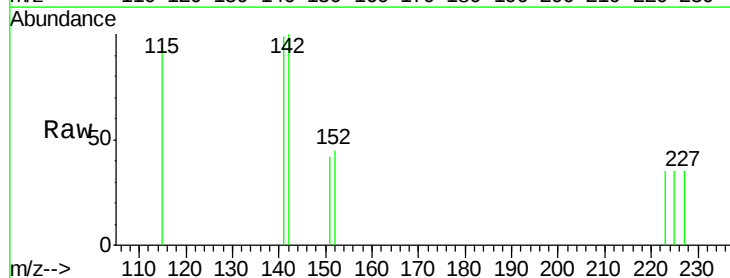
Instrument :
BNA_E
ClientSampled :

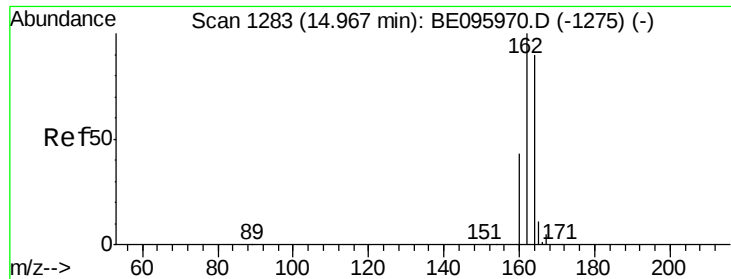
Tot Ion:152 Resp: 1586
Ion Ratio Lower Upper
152 100
151 23.1 15.4 23.0#



#12
2-Methylnaphthalene
Concen: 0.026 ng
RT: 12.80 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BE096255.D
Acq: 1 May 2018 13:14

Tgt Ion:142 Resp: 122
Ion Ratio Lower Upper
142 100
141 99.2 70.4 105.6
115 94.5 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.95 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

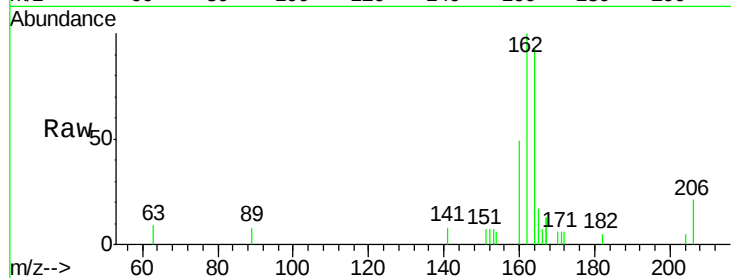
Tot Ion:164 Resp: 1516

Ion Ratio Lower Upper

164 100

162 107.9 83.1 124.7

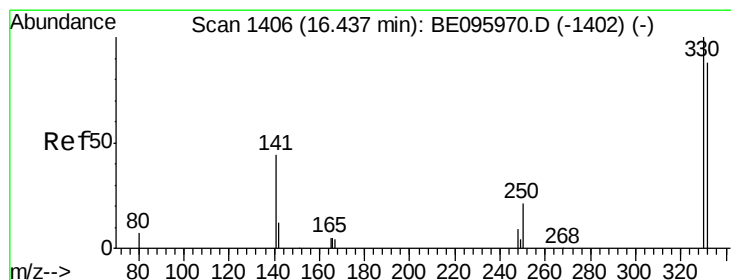
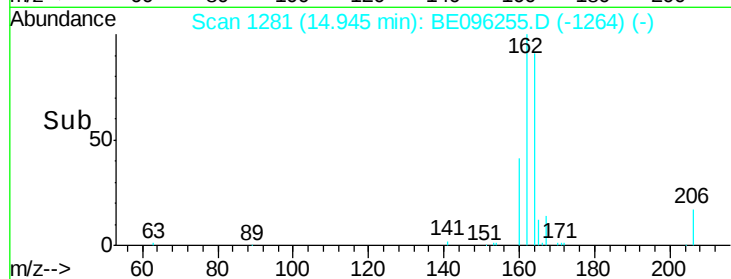
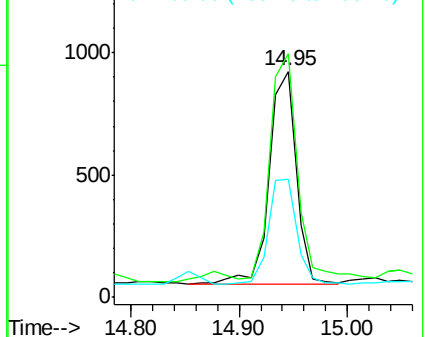
160 52.5 37.1 55.7



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: 0.438 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

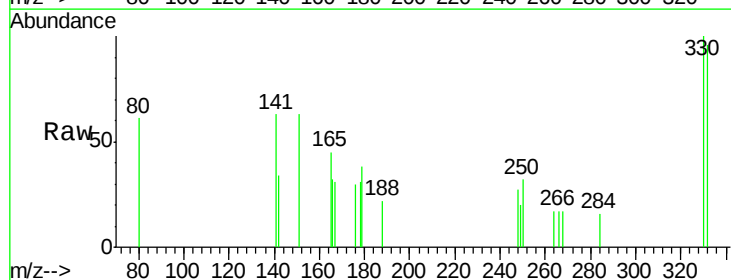
Tgt Ion:330 Resp: 321

Ion Ratio Lower Upper

330 100

332 98.8 152.7 229.1#

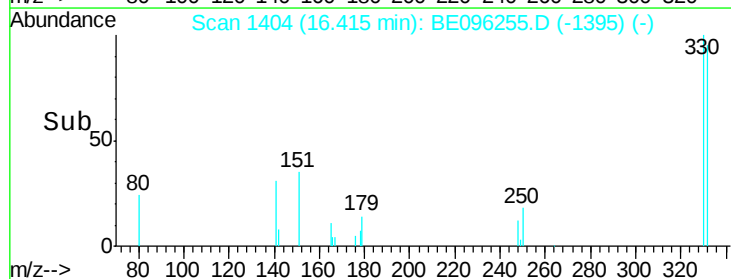
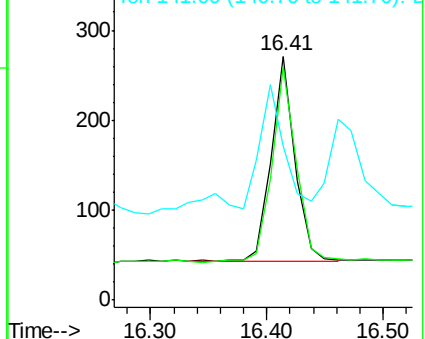
141 63.6 33.7 50.5#

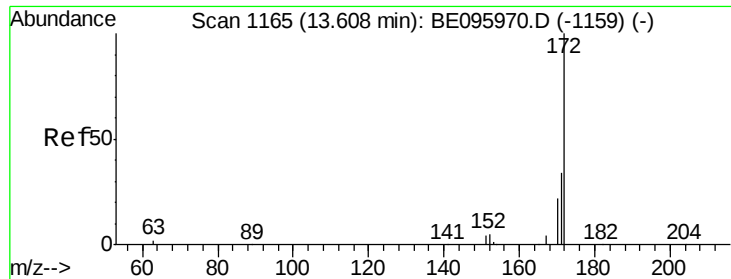


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

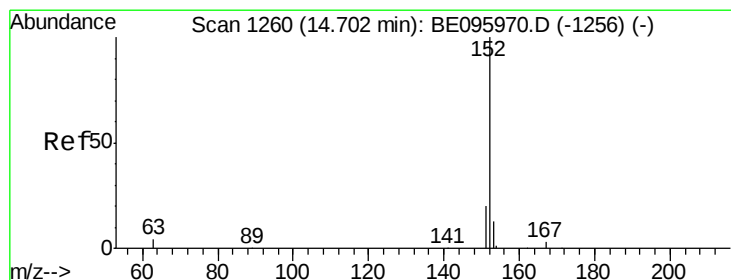
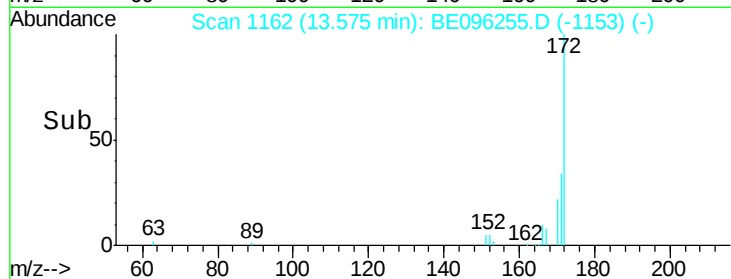
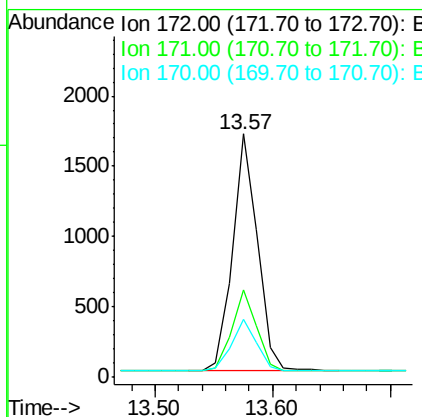
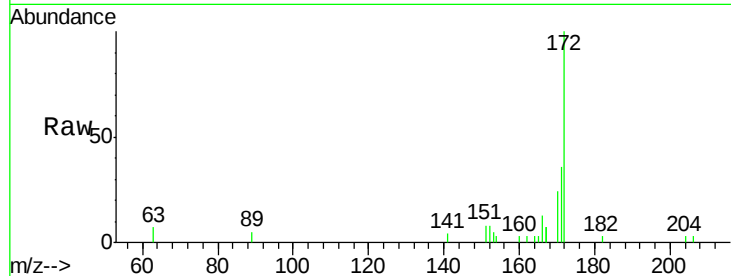




#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096255.D
Acq: 1 May 2018 13:14

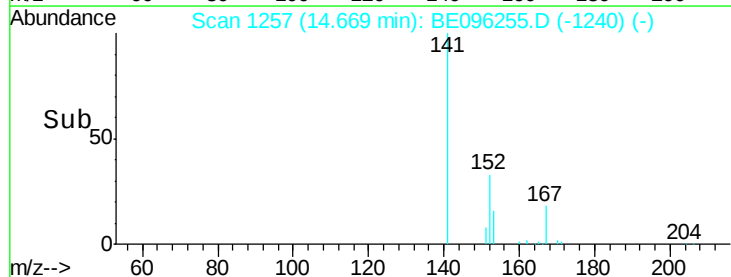
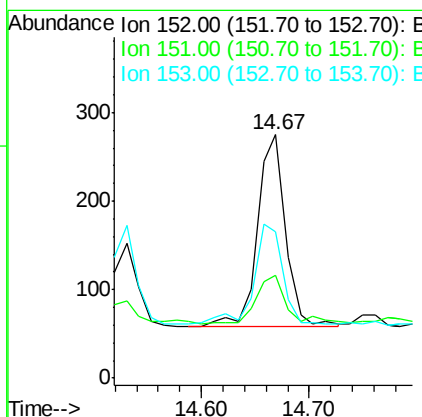
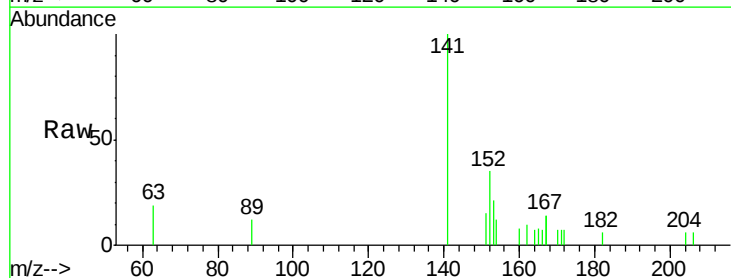
Instrument :
BNA_E
ClientSampleId :

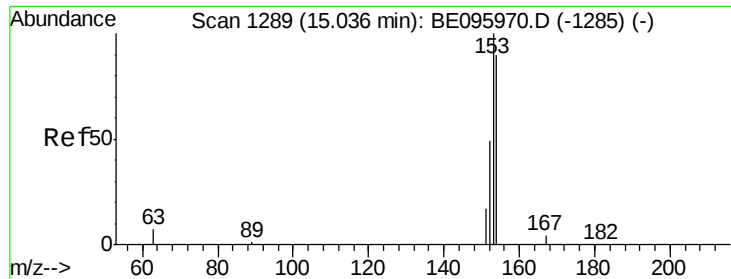
Tot Ion:172 Resp: 2475
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 24.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.049 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096255.D
Acq: 1 May 2018 13:14

Tgt Ion:152 Resp: 400
Ion Ratio Lower Upper
152 100
151 25.0 15.7 23.5#
153 52.8 10.5 15.7#





#17

Acenaphthene

Concen: 9.364 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampled :

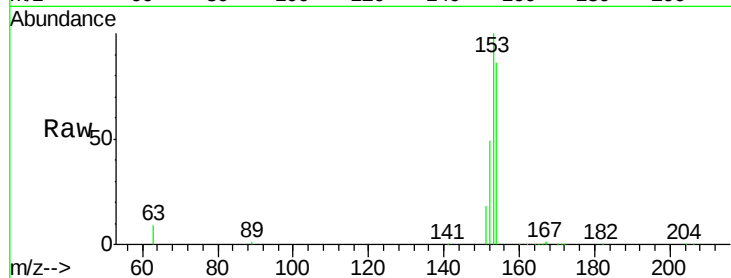
Tot Ion:154 Resp: 45551

Ion Ratio Lower Upper

154 100

153 116.8 89.2 133.8

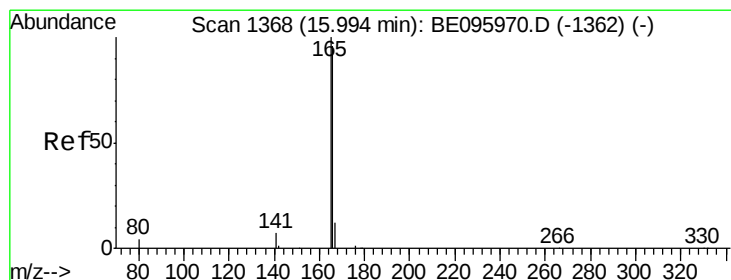
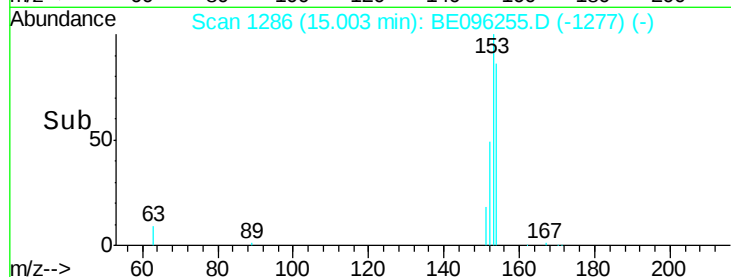
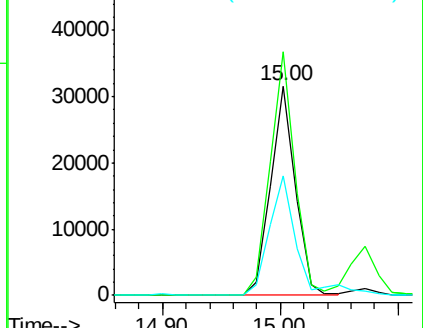
152 59.1 42.0 63.0



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: 7.358 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

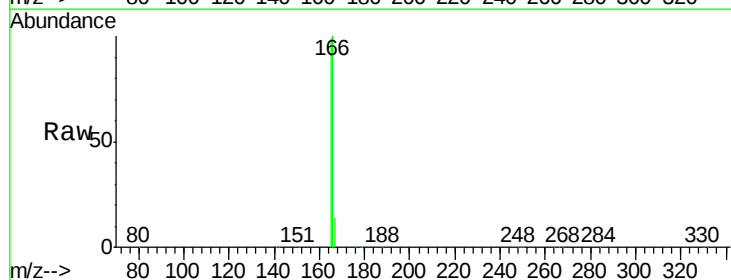
Tgt Ion:166 Resp: 44296

Ion Ratio Lower Upper

166 100

165 100.2 77.8 116.6

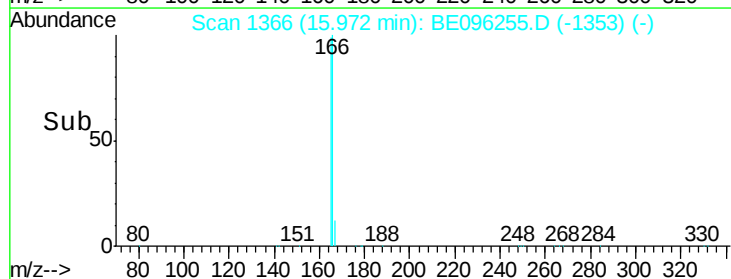
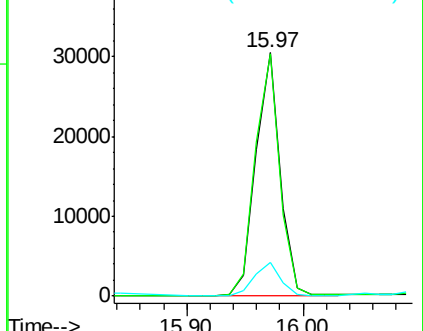
167 14.3 42.4 63.6#

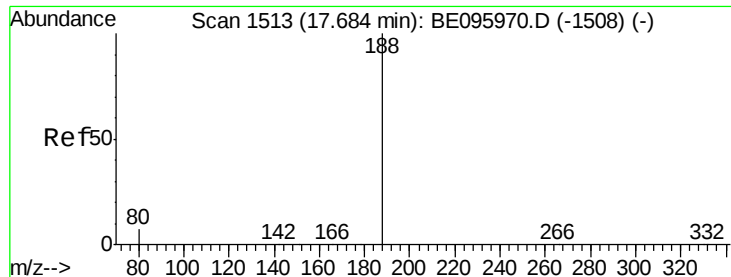


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

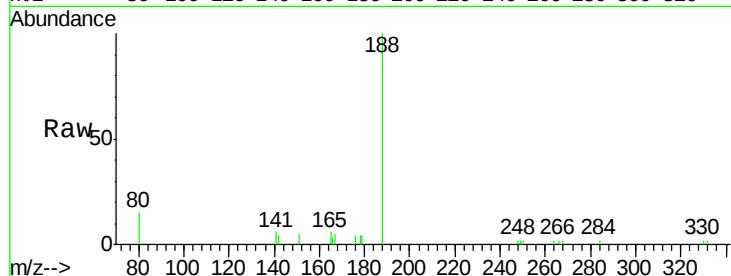
Tot Ion:188 Resp: 3584

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

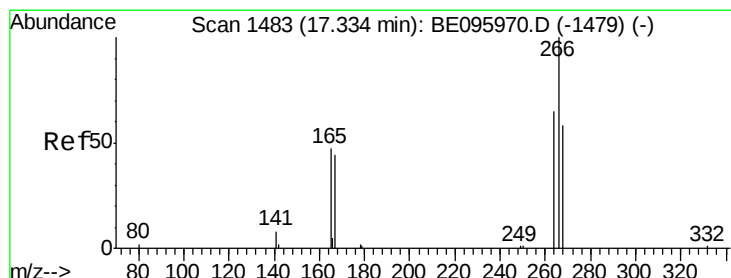
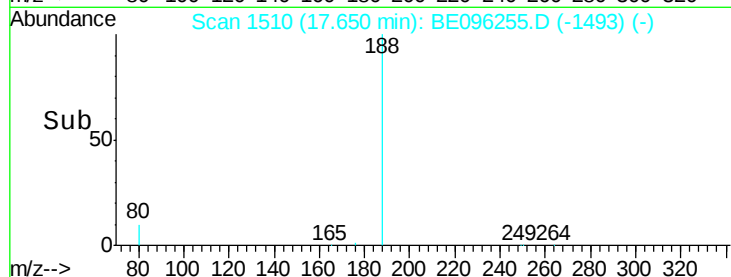
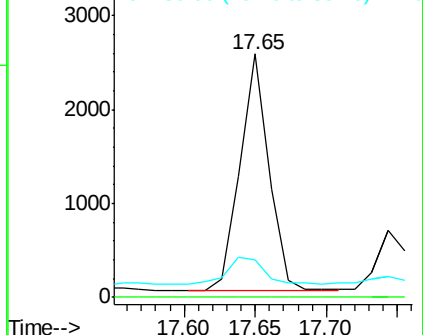
80 15.4 3.6 5.4#



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: 0.151 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

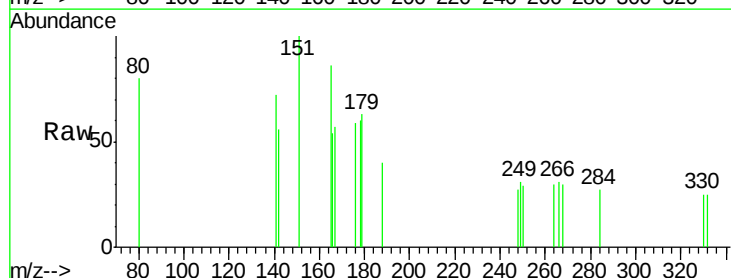
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 94.3 72.5 108.7

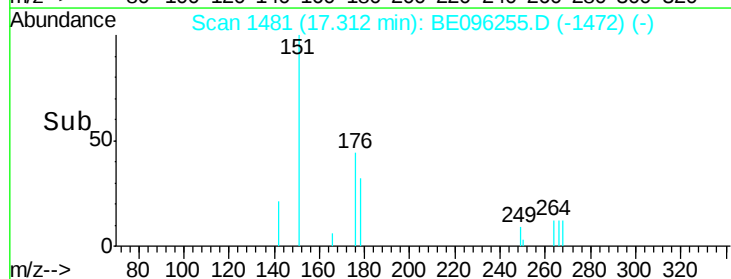
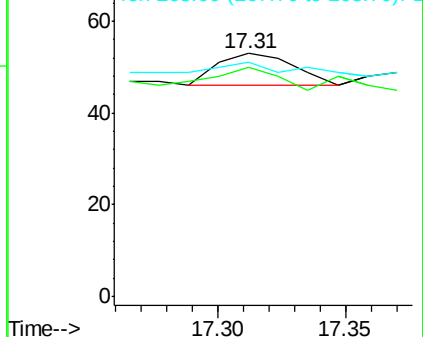
268 96.2 73.8 110.6

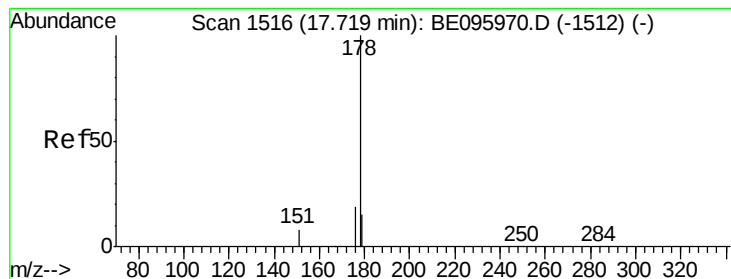


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 2.042 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

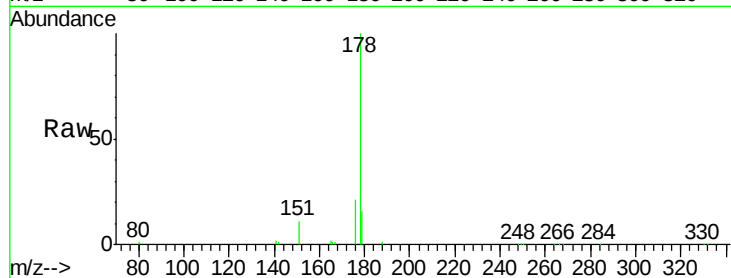
Tot Ion:178 Resp: 20564

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

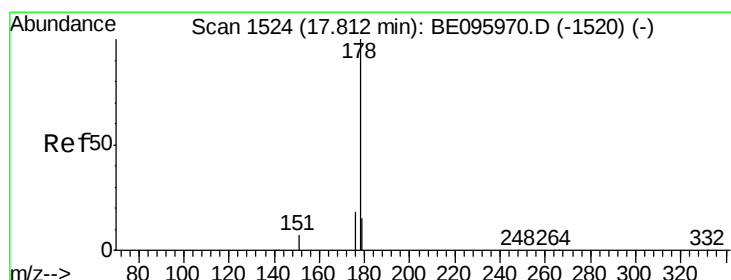
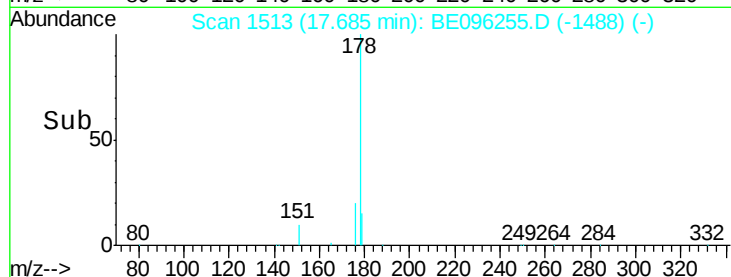
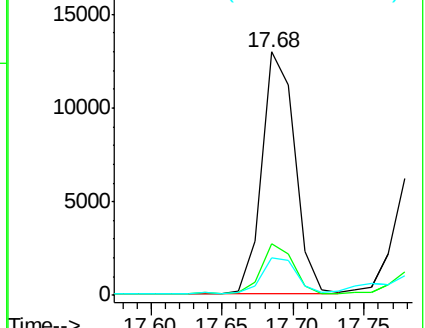
179 15.3 11.8 17.6



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: 0.916 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

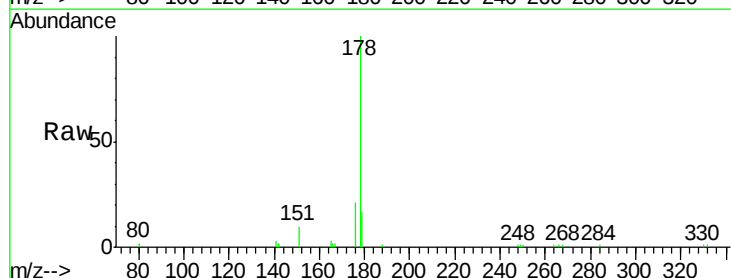
Tgt Ion:178 Resp: 8819

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

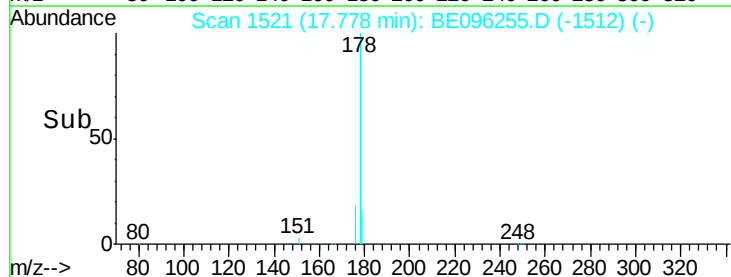
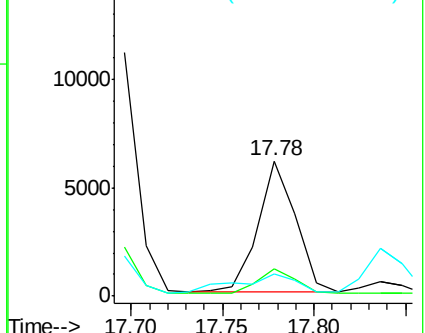
179 23.1 13.0 19.6#

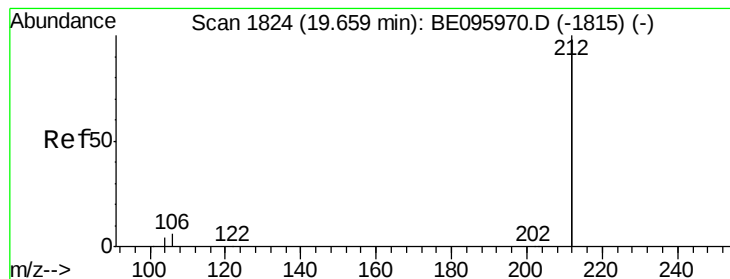


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.409 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

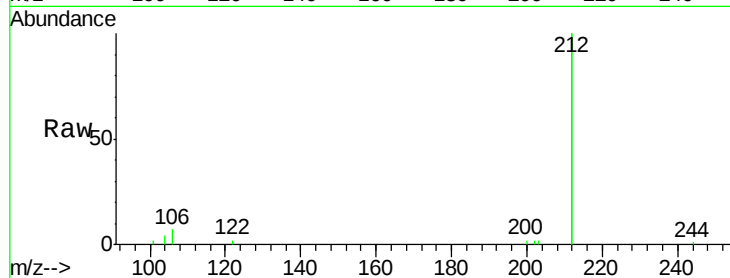
Tot Ion:212 Resp: 19900

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

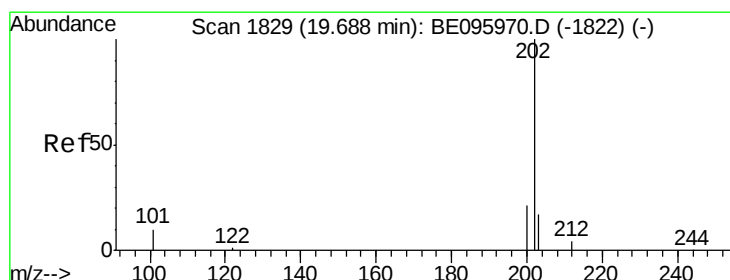
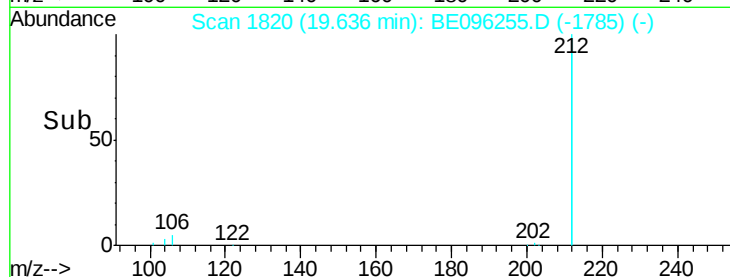
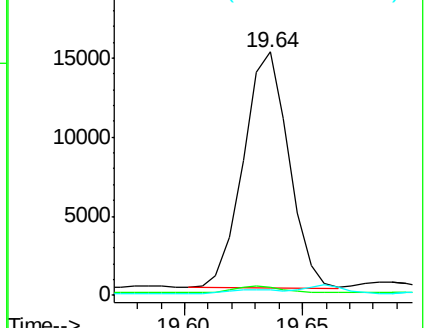
104 1.9 1.6 2.4



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: 0.822 ng

RT: 19.66 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

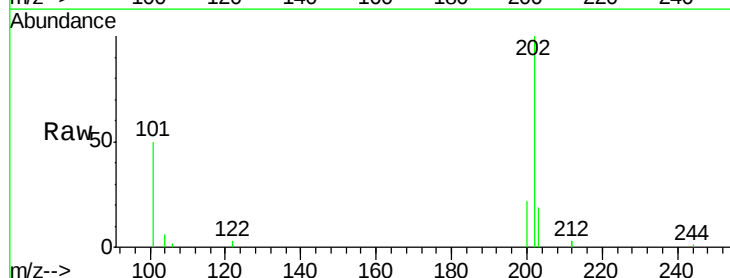
Tgt Ion:202 Resp: 10877

Ion Ratio Lower Upper

202 100

101 58.6 9.8 14.8#

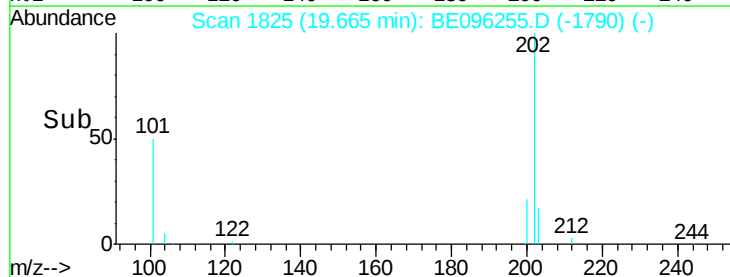
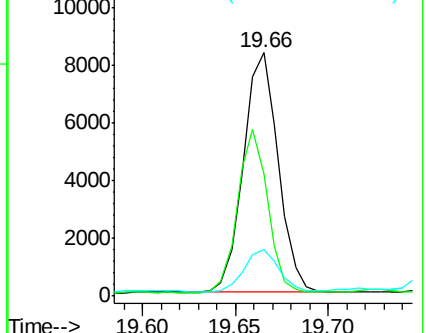
203 17.3 13.7 20.5

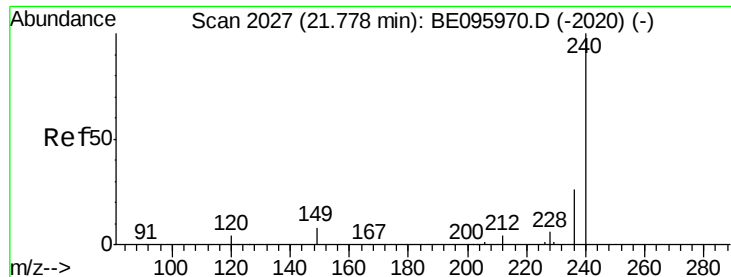


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

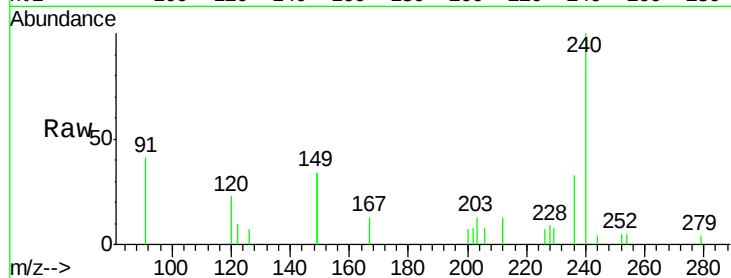
Tot Ion:240 Resp: 3848

Ion Ratio Lower Upper

240 100

120 22.6 5.5 8.3#

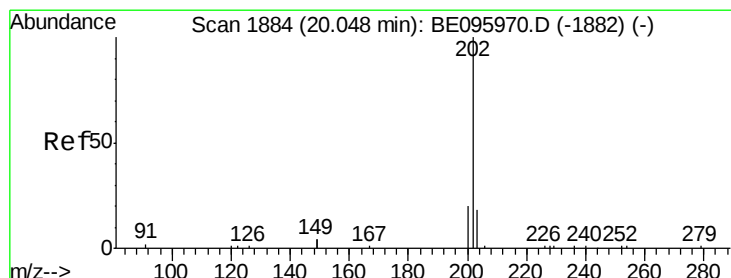
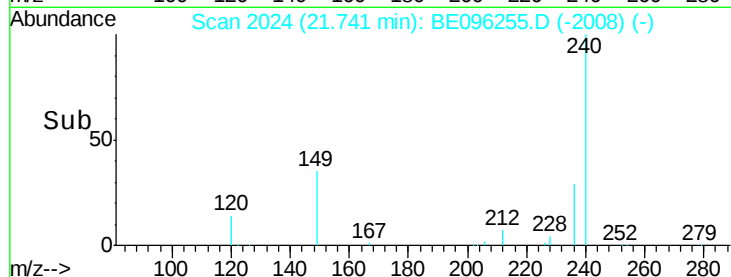
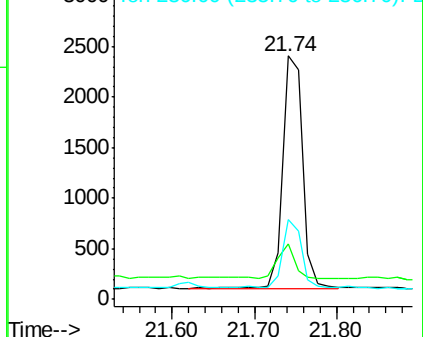
236 32.7 20.7 31.1#



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: 0.086 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

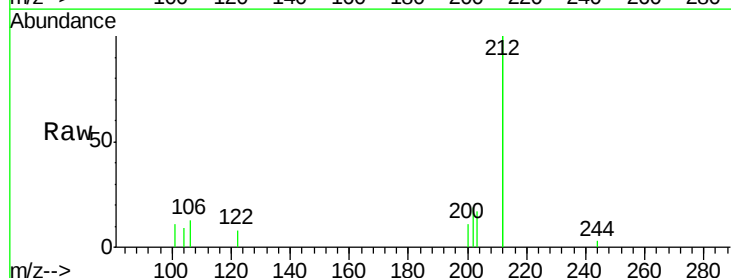
Tgt Ion:202 Resp: 649

Ion Ratio Lower Upper

202 100

200 59.5 16.6 25.0#

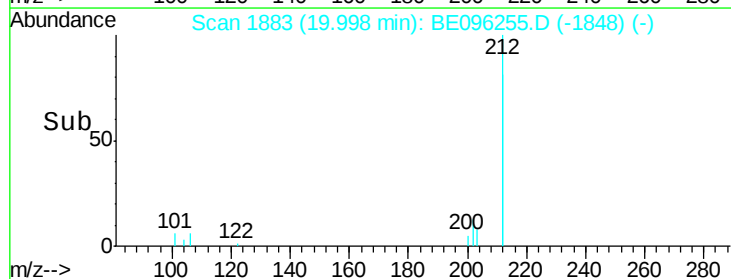
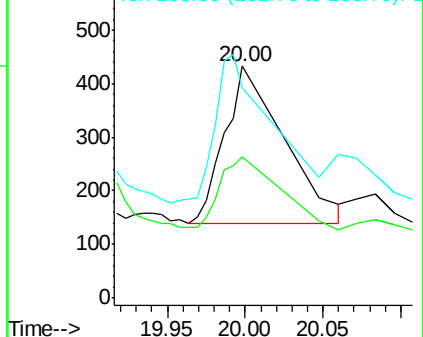
203 131.9 13.8 20.8#

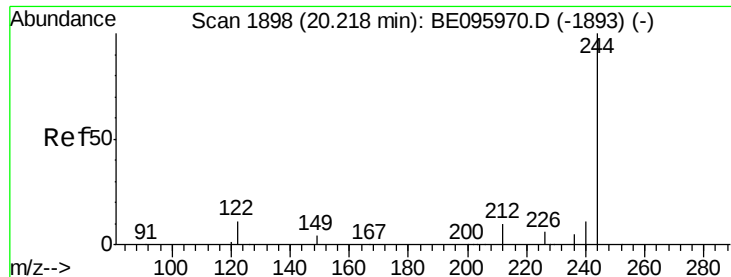


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.371 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

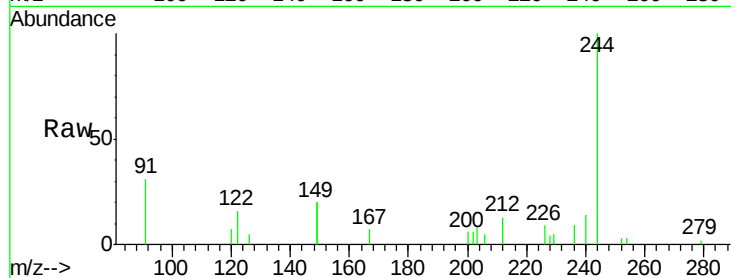
Tot Ion:244 Resp: 3158

Ion Ratio Lower Upper

244 100

212 13.2 25.4 38.0#

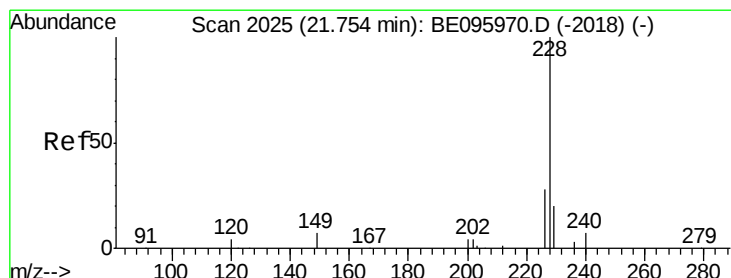
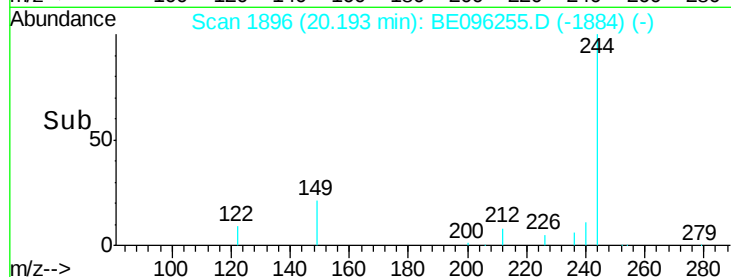
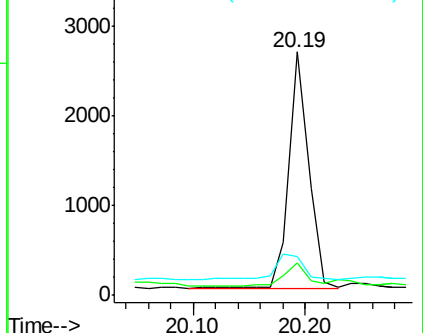
122 15.8 8.1 12.1#



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: 0.030 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

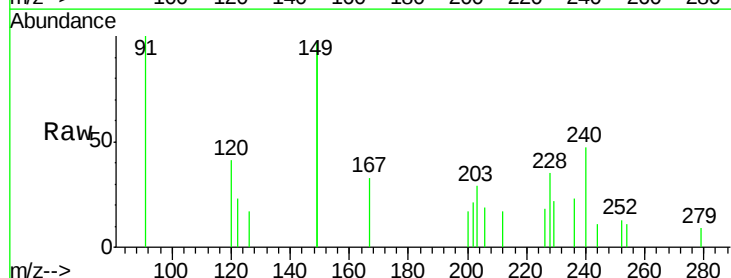
Tgt Ion:228 Resp: 373

Ion Ratio Lower Upper

228 100

226 53.2 24.0 36.0#

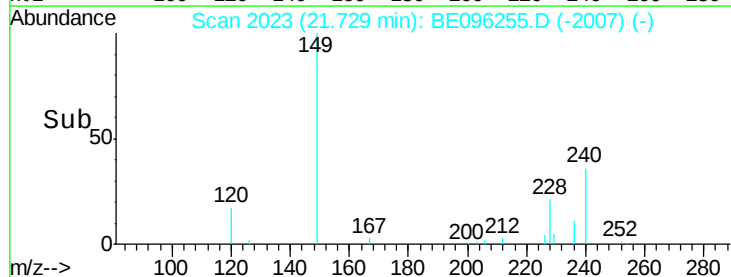
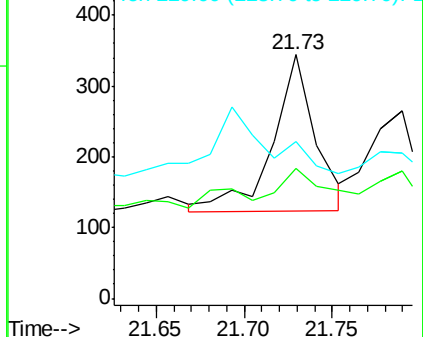
229 64.5 16.0 24.0#

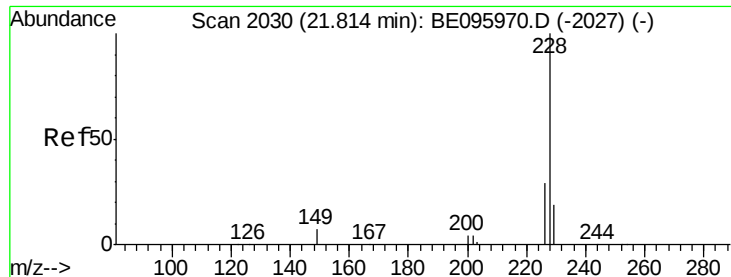


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.021 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampled :

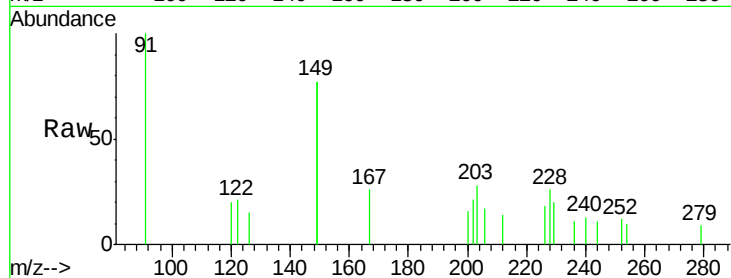
Tot Ion:228 Resp: 253

Ion Ratio Lower Upper

228 100

226 67.9 24.0 36.0#

229 77.4 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

400

300

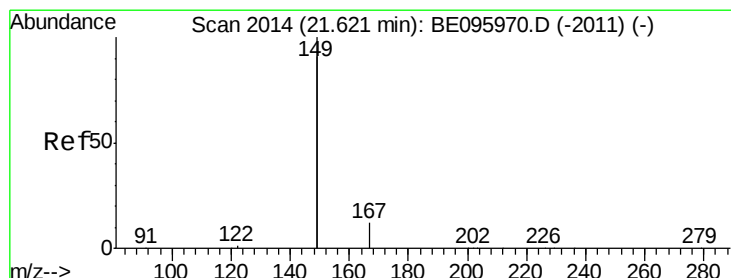
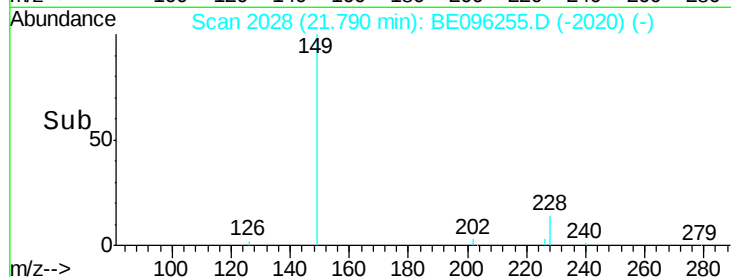
200

100

0

21.75 21.80 21.85

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

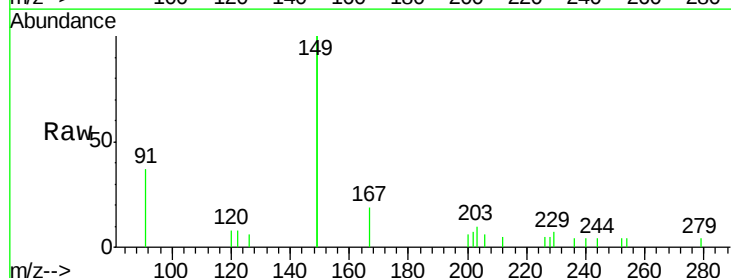
Tgt Ion:149 Resp: 4599

Ion Ratio Lower Upper

149 100

167 7.7 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

6000

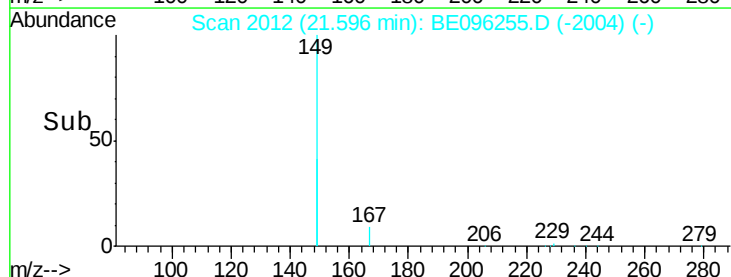
4000

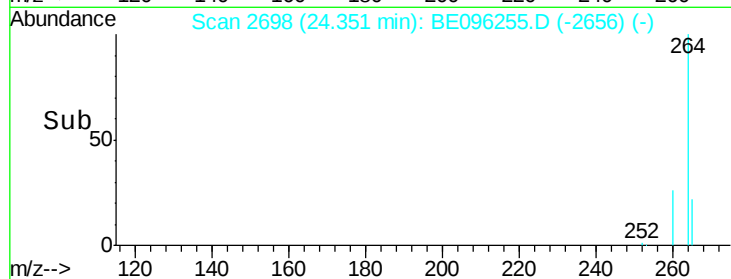
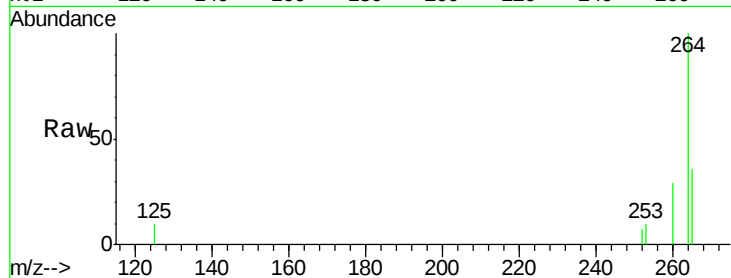
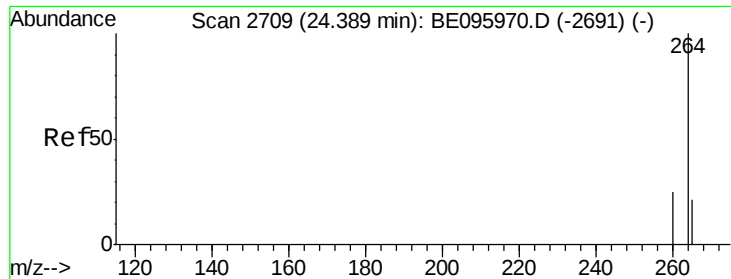
2000

0

21.50 21.55 21.60

Time-->





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.35 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: BE096255.D
 Acq: 1 May 2018 13:14

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 264 Resp: 3649
 Ion Ratio Lower Upper
 264 100
 260 28.8 20.5 30.7
 265 36.2 22.8 34.2#

