

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062018\
 Data File : BE096827.D
 Acq On : 20 Jun 2018 9:47
 Operator : SJ/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 20 11:46:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 20 11:46:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2744	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	13332	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	7146	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	19392	0.40	ng	0.00
27) Chrysene-d12	20.98	240	14405	0.40	ng	0.00
34) Perylene-d12	23.22	264	12264	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	630	0.11	ng	0.01
5) Phenol-d6	6.59	99	857	0.10	ng	0.00
8) Nitrobenzene-d5	8.53	82	753	0.10	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	1802	0.08	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	133	0.09	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	2583	0.09	ng	0.00
25) Fluoranthene-d10	18.81	212	14788	0.08	ng	0.00
29) Terphenyl-d14	19.43	244	2772	0.08	ng	0.00

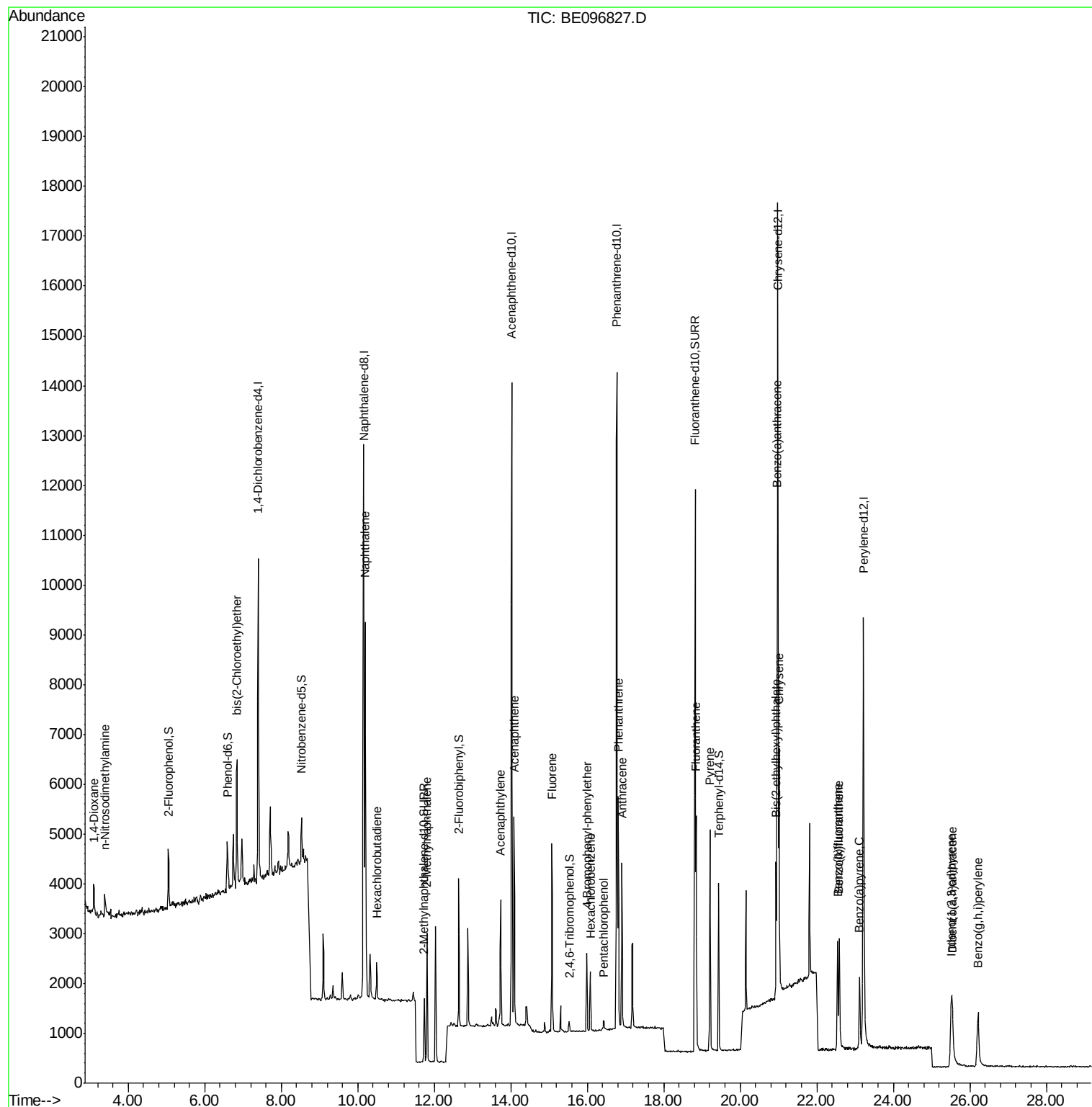
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	392	0.088	ng	# 83
3) n-Nitrosodimethylamine	3.39	42	331	0.071	ng	# 88
6) bis(2-Chloroethyl)ether	6.85	93	956	0.090	ng	96
9) Naphthalene	10.20	128	11933	0.091	ng	99
10) Hexachlorobutadiene	10.50	225	463	0.085	ng	94
12) 2-Methylnaphthalene	11.81	142	1878	0.085	ng	97
16) Acenaphthylene	13.74	152	2838	0.084	ng	99
17) Acenaphthene	14.08	154	1909	0.084	ng	# 89
18) Fluorene	15.08	166	2259	0.084	ng	# 81
20) 4-Bromophenyl-phenylether	15.98	248	797	0.084	ng	# 80
21) Hexachlorobenzene	16.09	284	954	0.086	ng	# 79
22) Pentachlorophenol	16.44	266	125	0.072	ng	92
23) Phenanthrene	16.81	178	4592	0.087	ng	98
24) Anthracene	16.91	178	3409	0.079	ng	96
26) Fluoranthene	18.84	202	4197	0.075	ng	99
28) Pyrene	19.21	202	4226	0.089	ng	99
30) Benzo(a)anthracene	20.97	228	2839	0.081	ng	96
31) Chrysene	21.02	228	3862	0.088	ng	98
32) Bis(2-ethylhexyl)phthalate	20.93	149	3200	0.122	ng	# 96
33) Indeno(1,2,3-cd)pyrene	25.51	276	2609	0.079	ng	95
35) Benzo(b)fluoranthene	22.54	252	2937	0.087	ng	# 94
36) Benzo(k)fluoranthene	22.59	252	3004	0.075	ng	# 89
37) Benzo(a)pyrene	23.11	252	2334	0.080	ng	# 86
38) Dibenzo(a,h)anthracene	25.54	278	2049	0.073	ng	93
39) Benzo(g,h,i)perylene	26.22	276	2567	0.083	ng	# 89

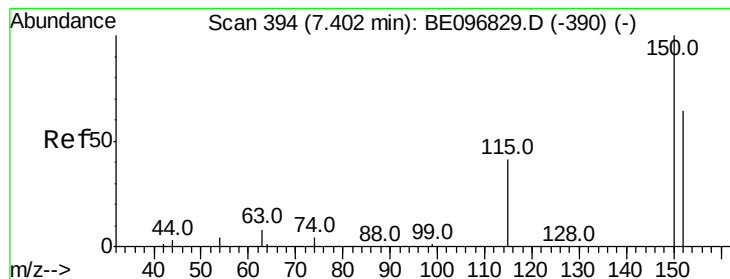
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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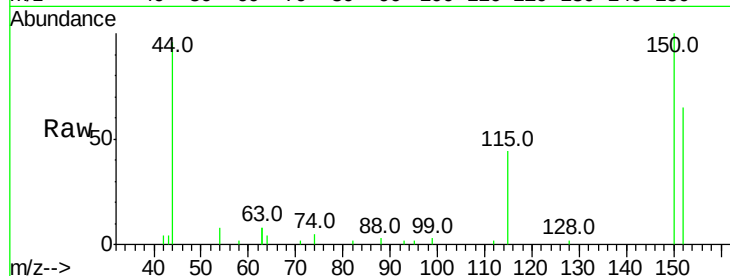


#1

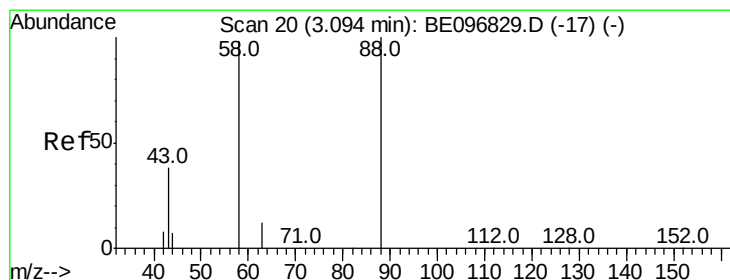
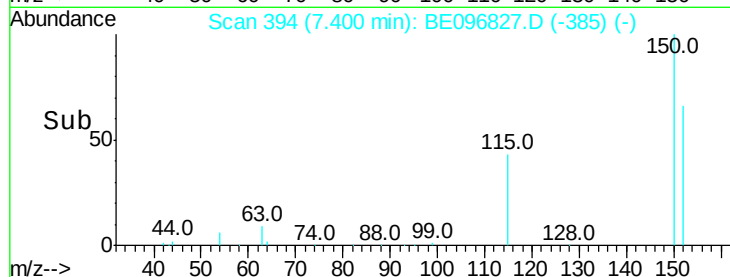
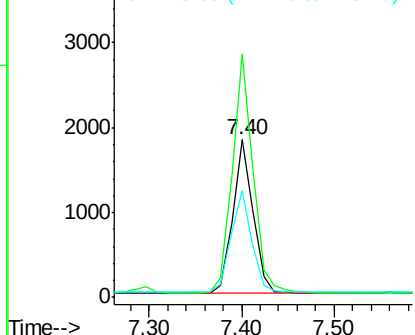
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE096827.D
Acq: 20 Jun 2018 9:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2744
Ion Ratio Lower Upper
152 100
150 154.4 117.2 175.8
115 67.4 57.0 85.6



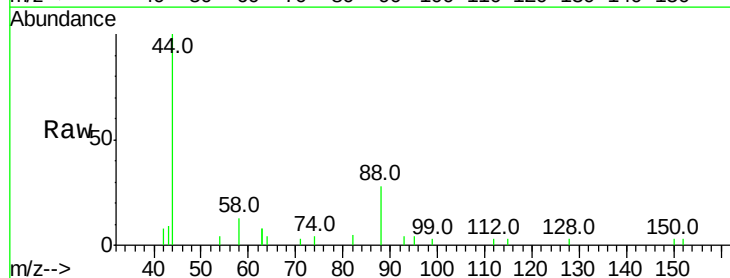
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



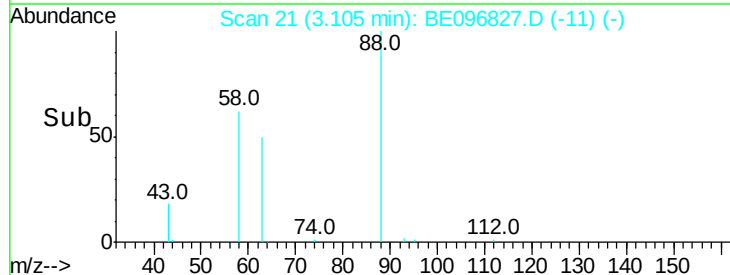
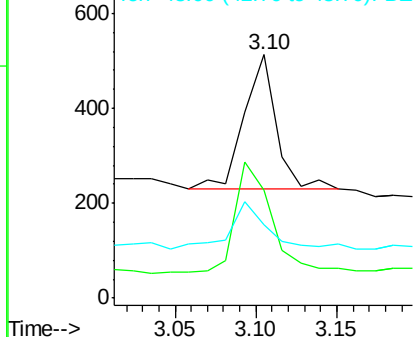
#2

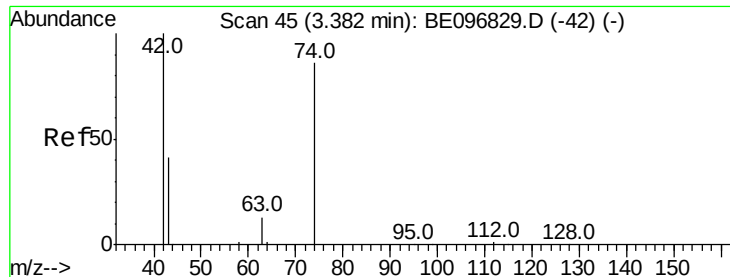
1,4-Dioxane
Concen: 0.088 ng
RT: 3.10 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE096827.D
Acq: 20 Jun 2018 9:47

Tgt Ion: 88 Resp: 392
Ion Ratio Lower Upper
88 100
58 94.1 63.2 94.8
43 39.0 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



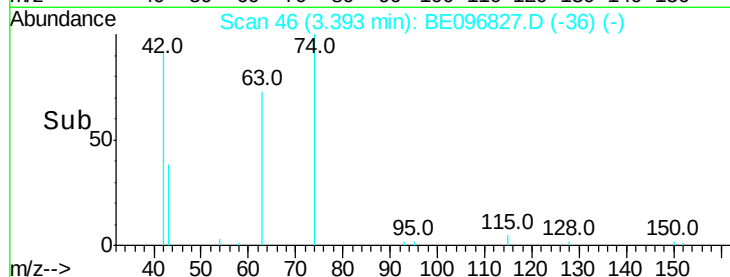
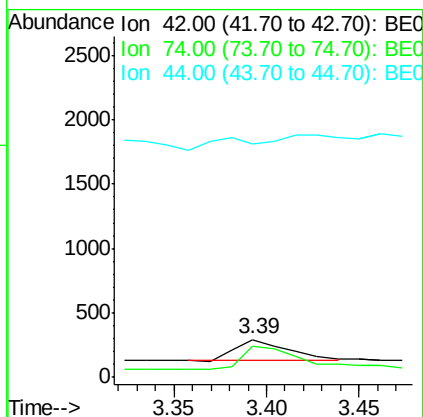
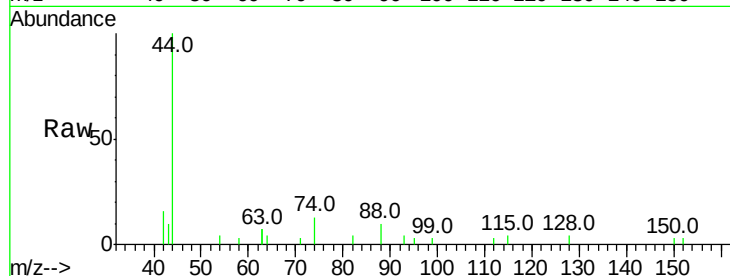


#3

n-Nitrosodimethylamine
 Concen: 0.071 ng
 RT: 3.39 min Scan# 46
 Delta R.T. 0.01 min
 Lab File: BE096827.D
 Acq: 20 Jun 2018 9:47

Instrument :
 BNA_E
 ClientSampleId :

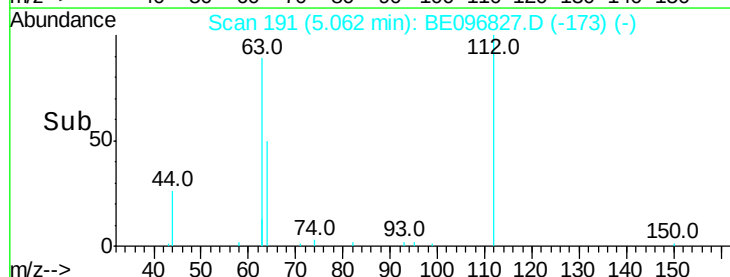
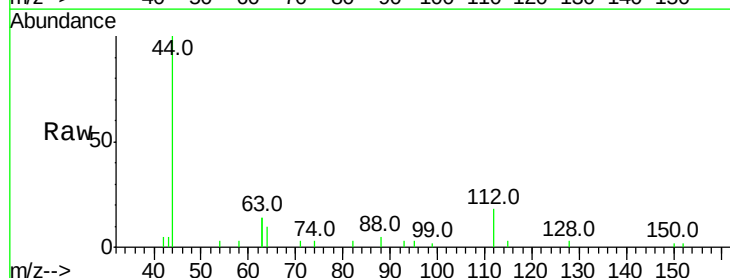
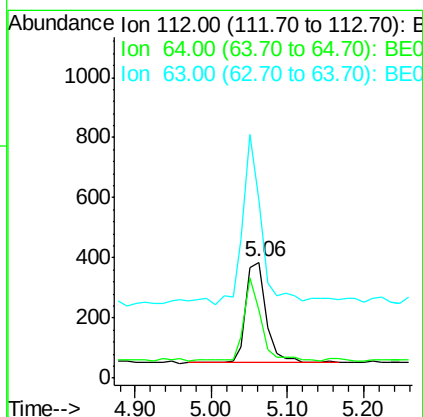
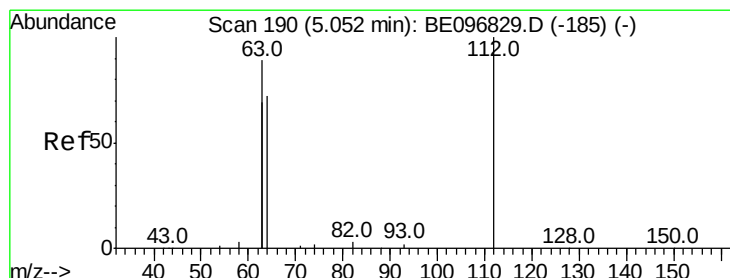
Tot Ion: 42 Resp: 331
 Ion Ratio Lower Upper
 42 100
 74 114.5 96.0 144.0
 44 43.2 12.0 18.0#

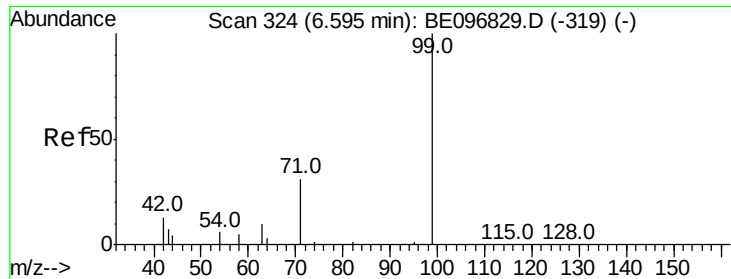


#4

2-Fluorophenol
 Concen: 0.105 ng
 RT: 5.06 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE096827.D
 Acq: 20 Jun 2018 9:47

Tgt Ion: 112 Resp: 630
 Ion Ratio Lower Upper
 112 100
 64 67.1 60.1 90.1
 63 153.5 116.8 175.2





#5

Phenol-d6

Concen: 0.095 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

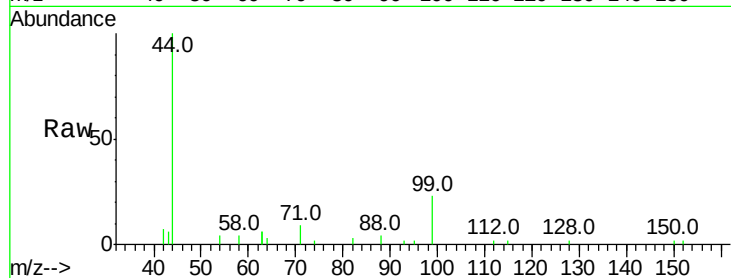
Tot Ion: 99 Resp: 857

Ion Ratio Lower Upper

99 100

42 26.0 20.2 30.2

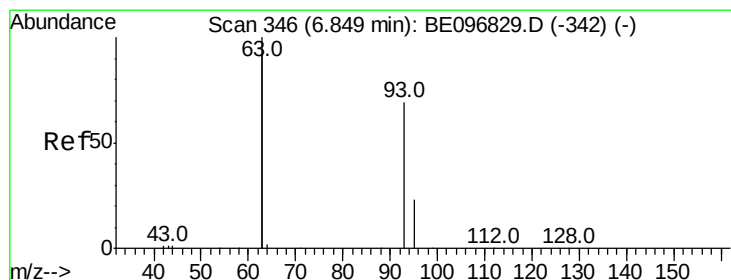
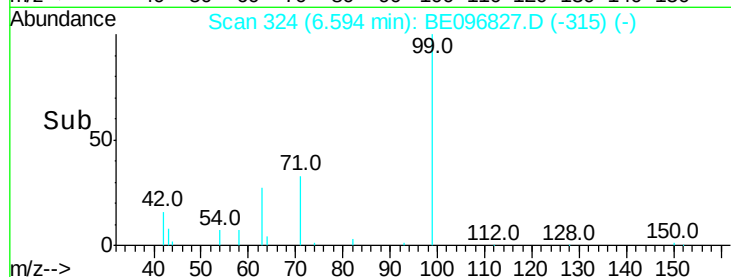
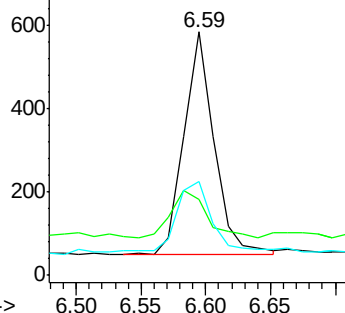
71 37.6 28.4 42.6



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: 0.090 ng

RT: 6.85 min Scan# 346

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

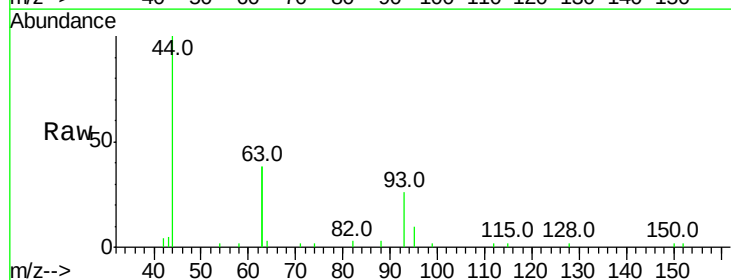
Tgt Ion: 93 Resp: 956

Ion Ratio Lower Upper

93 100

63 336.3 275.3 412.9

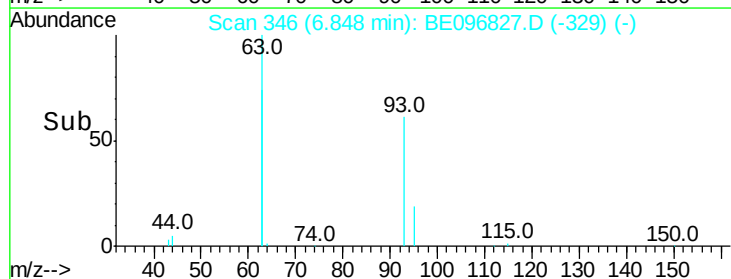
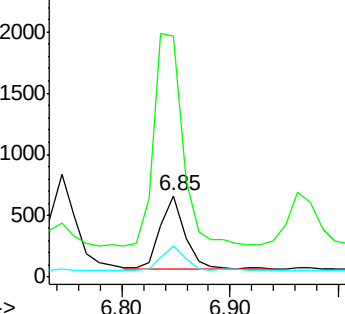
95 34.3 25.2 37.8

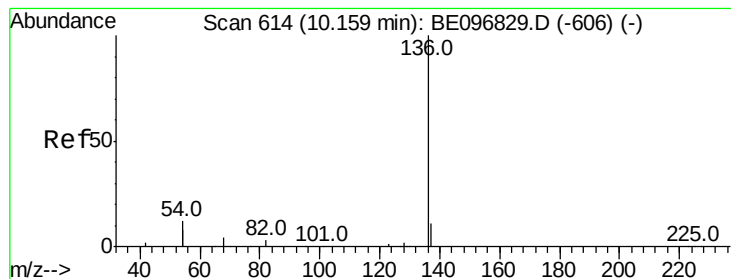


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.16 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13332

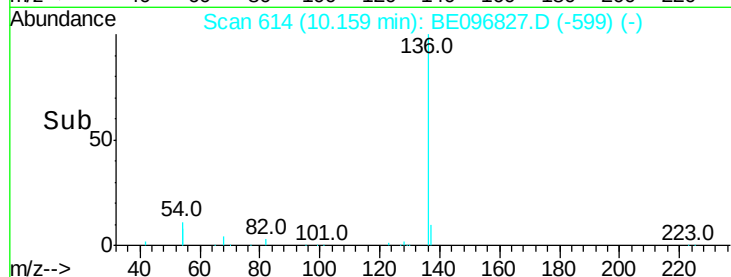
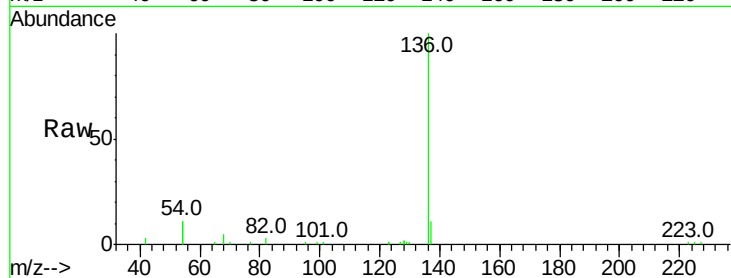
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 22.1 29.1 43.7#

68 5.0 6.2 9.2#

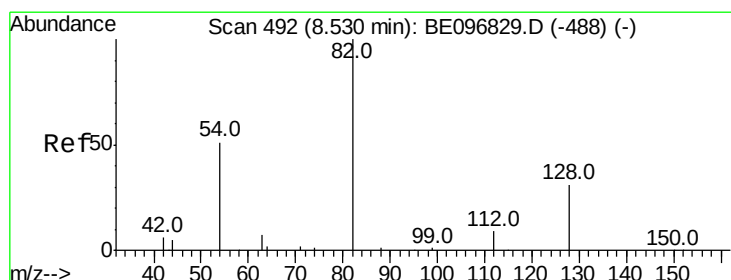
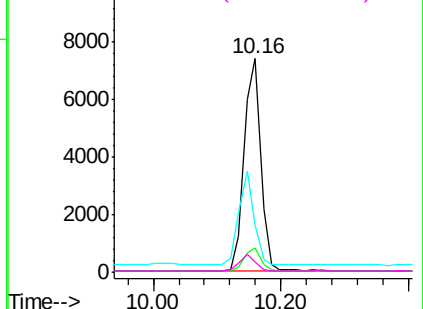


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.102 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

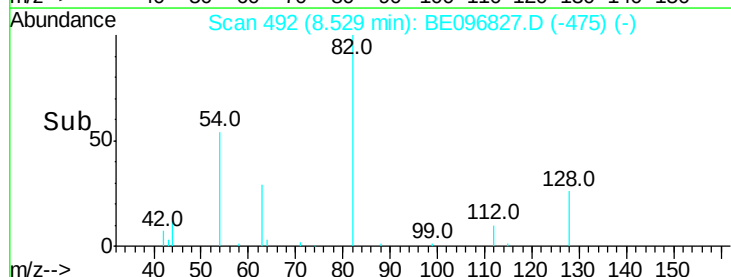
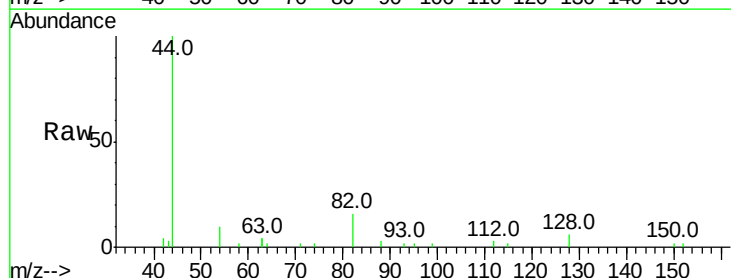
Tgt Ion: 82 Resp: 753

Ion Ratio Lower Upper

82 100

128 35.1 24.0 36.0

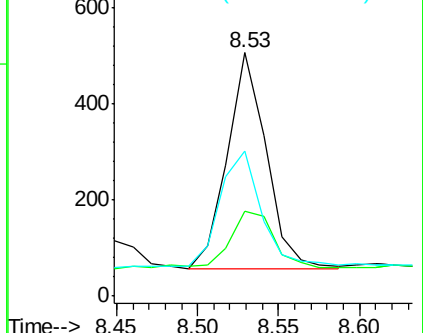
54 59.4 40.0 60.0

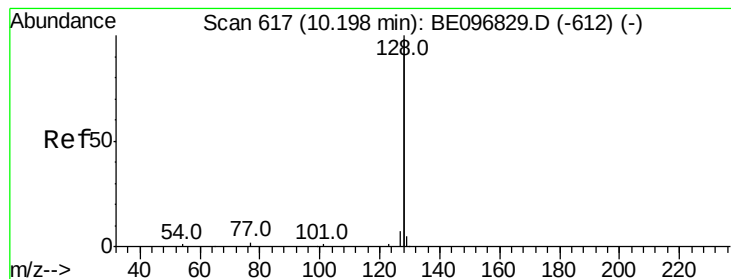


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.091 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampled :

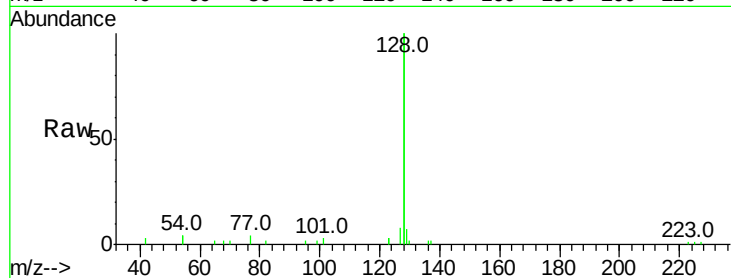
Tot Ion:128 Resp: 11933

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

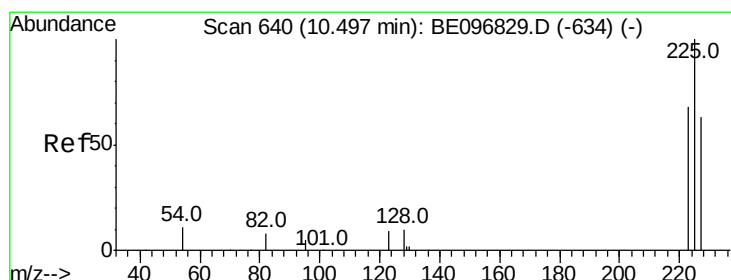
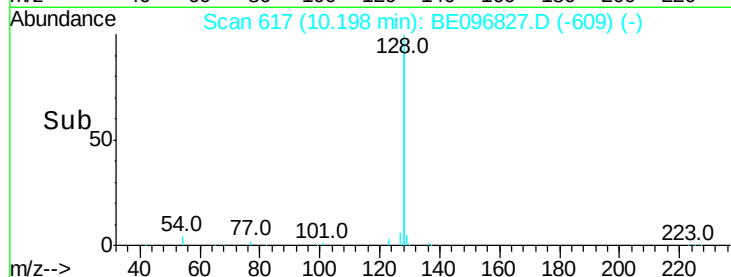
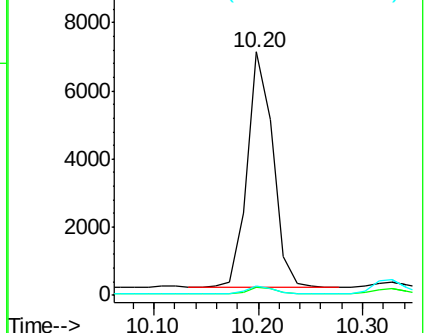
127 3.9 2.8 4.2



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: 0.085 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

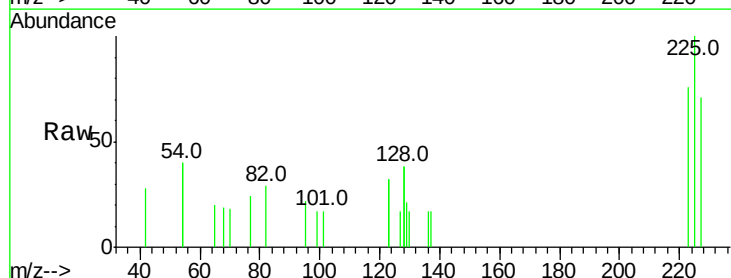
Tgt Ion:225 Resp: 463

Ion Ratio Lower Upper

225 100

223 69.8 53.0 79.6

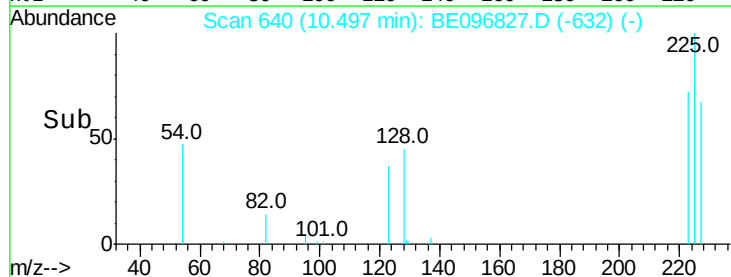
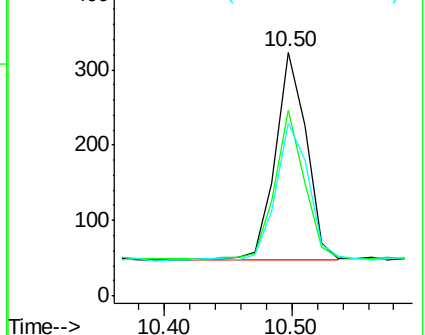
227 69.8 51.4 77.2

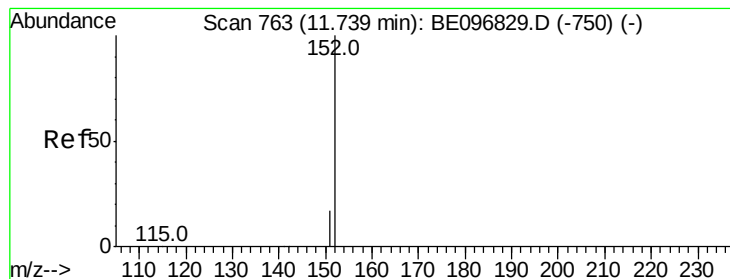


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.085 ng

RT: 11.74 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

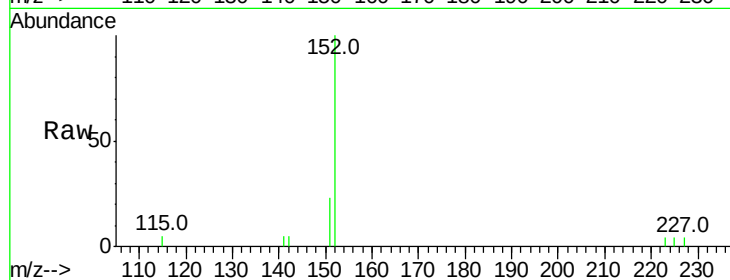
ClientSampleId :

Tot Ion:152 Resp: 1802

Ion Ratio Lower Upper

152 100

151 20.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.74

1200

1000

800

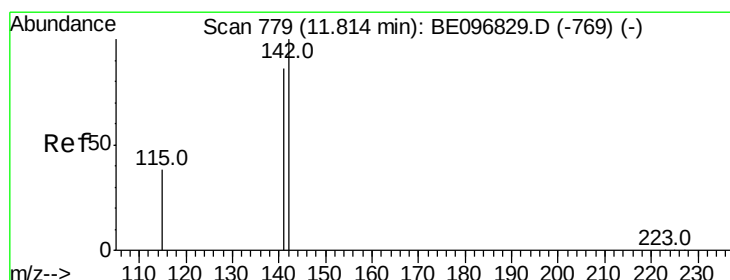
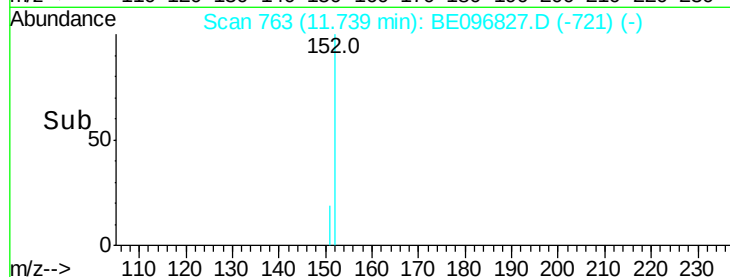
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.085 ng

RT: 11.81 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

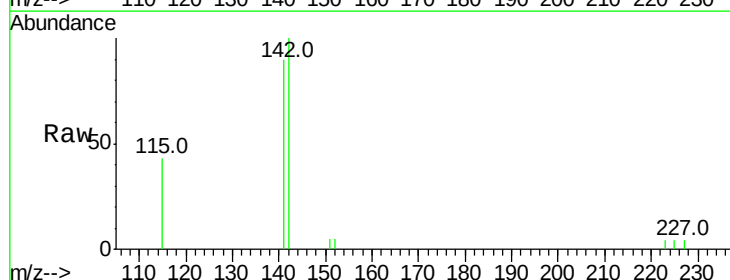
Tgt Ion:142 Resp: 1878

Ion Ratio Lower Upper

142 100

141 90.1 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

11.81

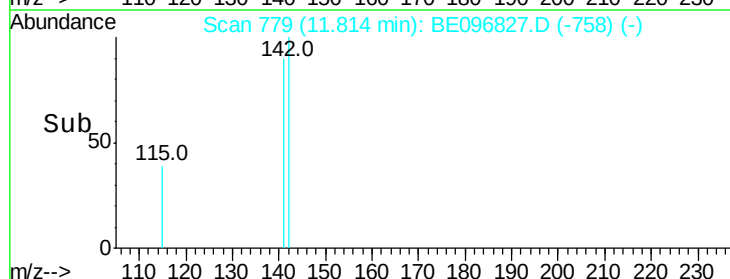
1500

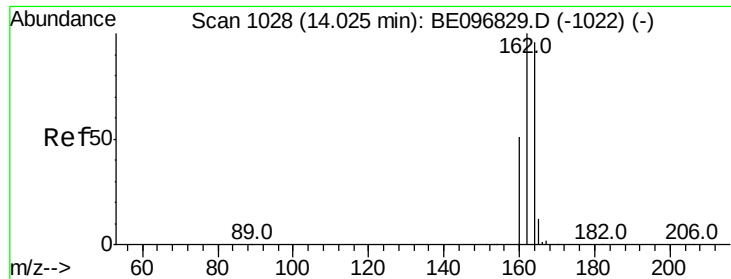
1000

500

0

Time-->

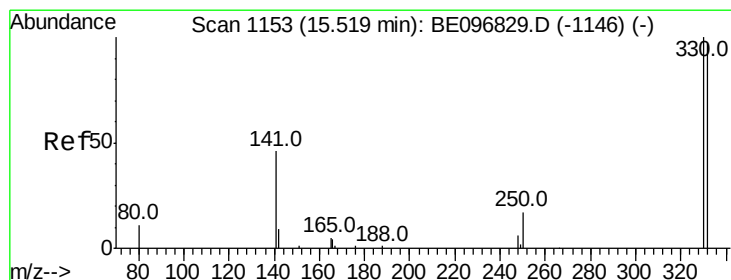
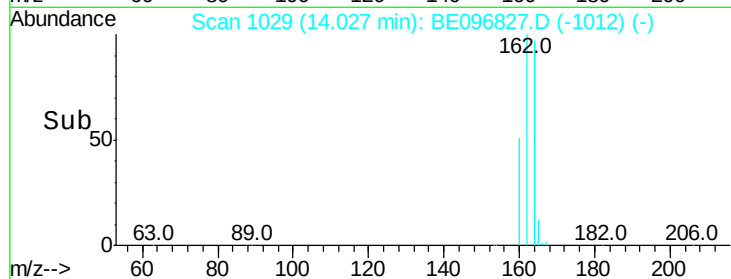
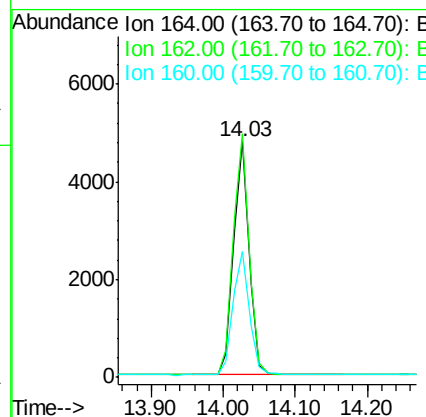
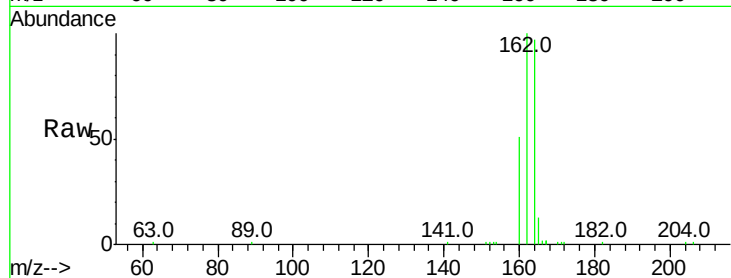




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.03 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BE096827.D
 Acq: 20 Jun 2018 9:47

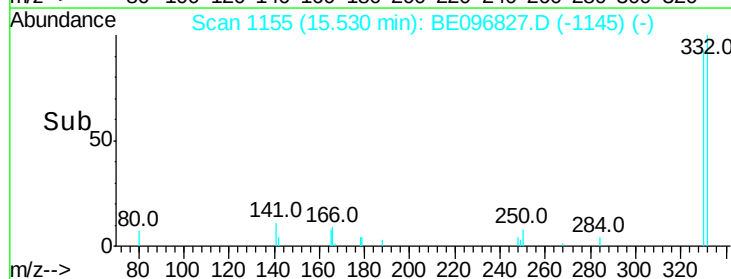
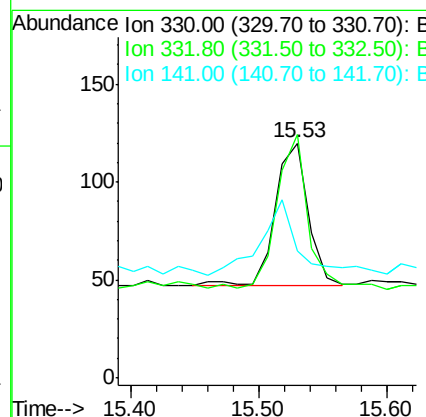
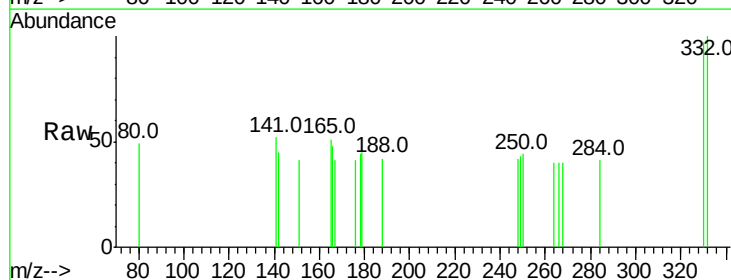
Instrument :
 BNA_E
 ClientSampleId :

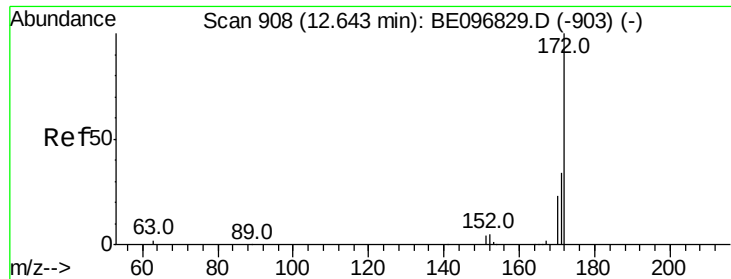
Tot Ion:164 Resp: 7146
 Ion Ratio Lower Upper
 164 100
 162 103.4 83.1 124.7
 160 53.2 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.090 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: BE096827.D
 Acq: 20 Jun 2018 9:47

Tgt Ion:330 Resp: 133
 Ion Ratio Lower Upper
 330 100
 332 97.0 152.7 229.1#
 141 59.4 33.7 50.5#

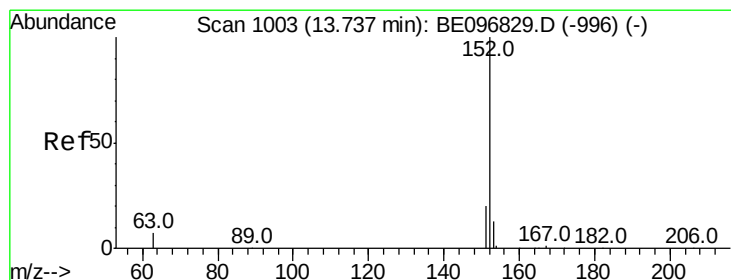
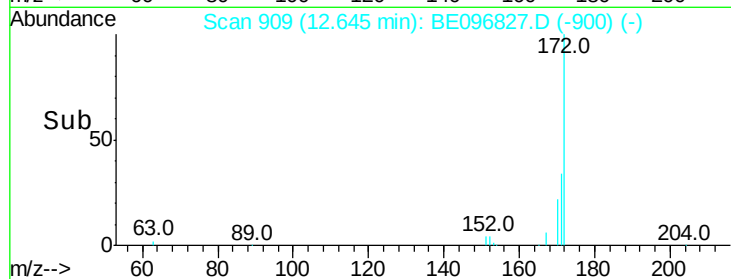
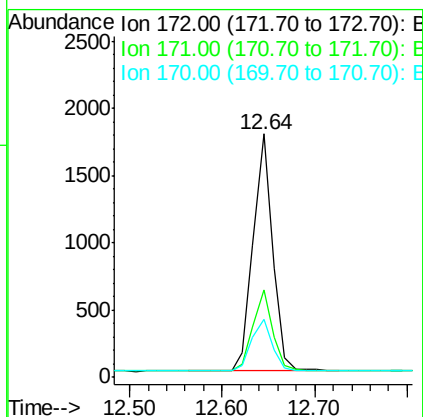
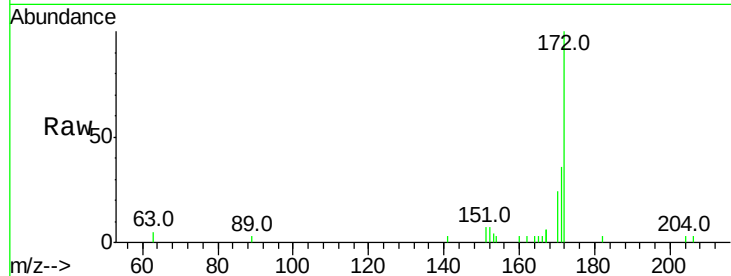




#15
2-Fluorobiphenyl
Concen: 0.088 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE096827.D
Acq: 20 Jun 2018 9:47

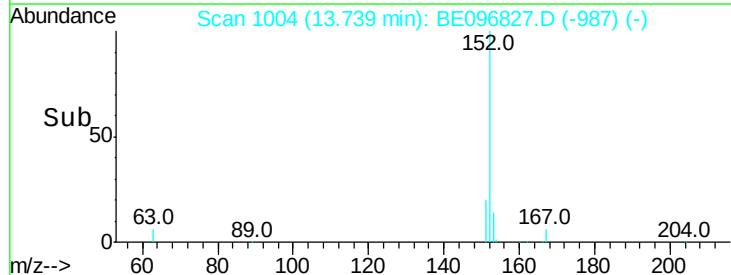
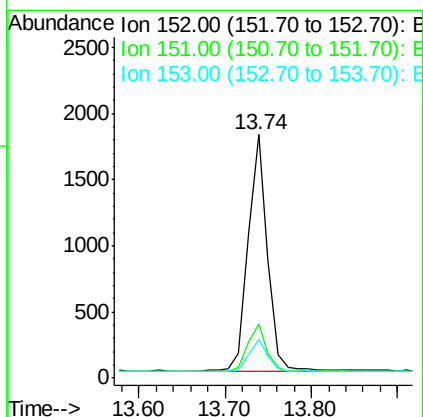
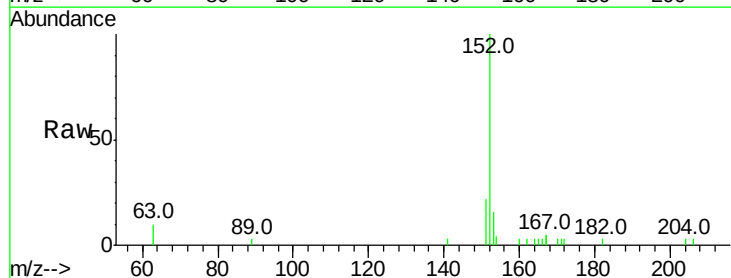
Instrument :
BNA_E
ClientSampled :

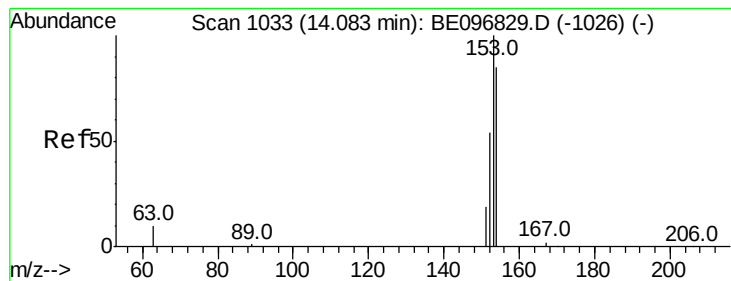
Tot Ion:172 Resp: 2583
Ion Ratio Lower Upper
172 100
171 35.8 29.9 44.9
170 23.6 21.8 32.8



#16
Acenaphthylene
Concen: 0.084 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE096827.D
Acq: 20 Jun 2018 9:47

Tgt Ion:152 Resp: 2838
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 12.9 10.5 15.7





#17

Acenaphthene

Concen: 0.084 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

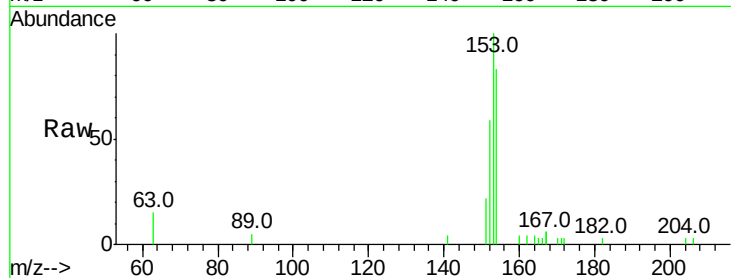
Tot Ion:154 Resp: 1909

Ion Ratio Lower Upper

154 100

153 118.9 89.2 133.8

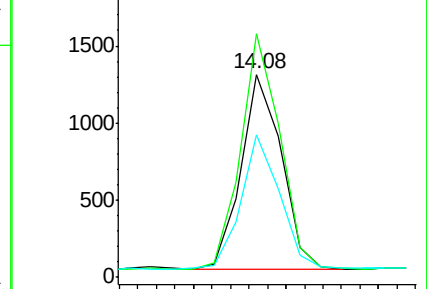
152 67.3 42.0 63.0#



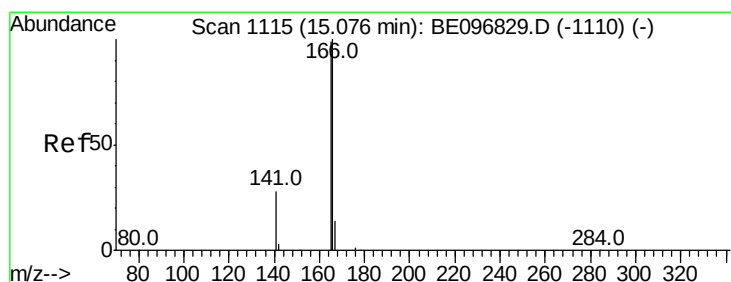
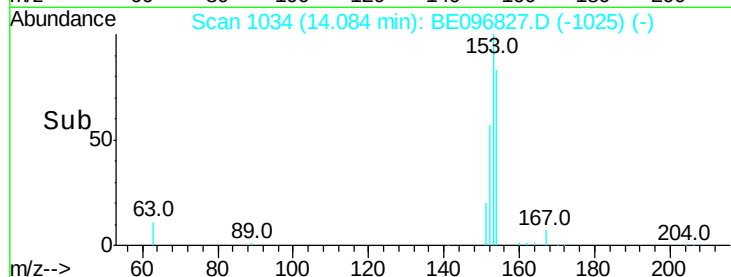
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#18

Fluorene

Concen: 0.084 ng

RT: 15.08 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

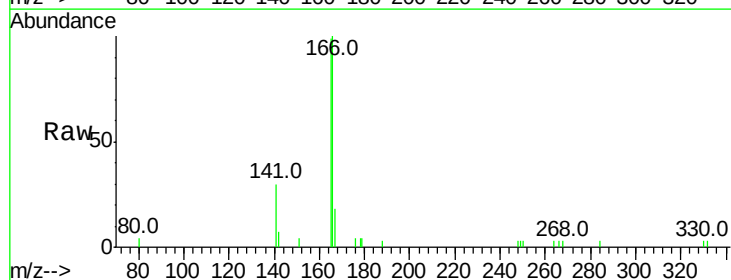
Tgt Ion:166 Resp: 2259

Ion Ratio Lower Upper

166 100

165 98.4 77.8 116.6

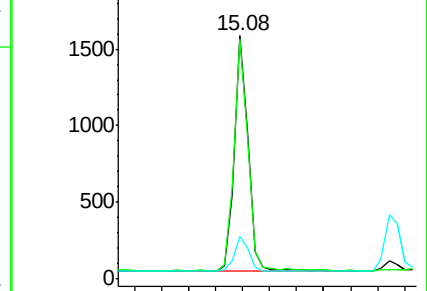
167 15.6 42.4 63.6#



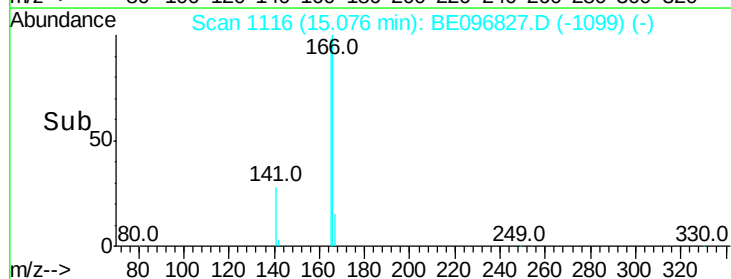
Abundance Ion 166.00 (165.70 to 166.70): E

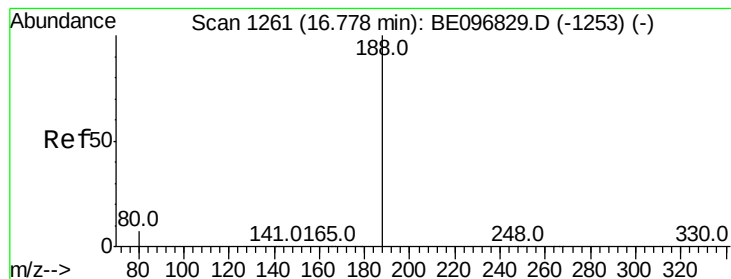
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

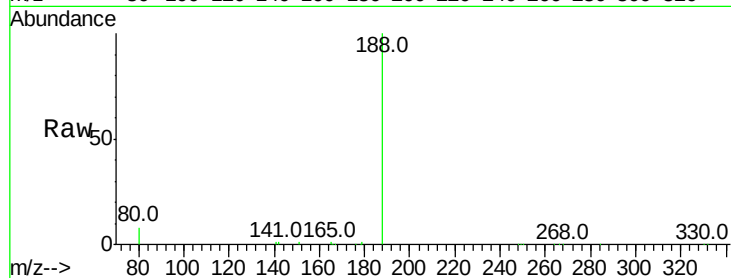
Tot Ion:188 Resp: 19392

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

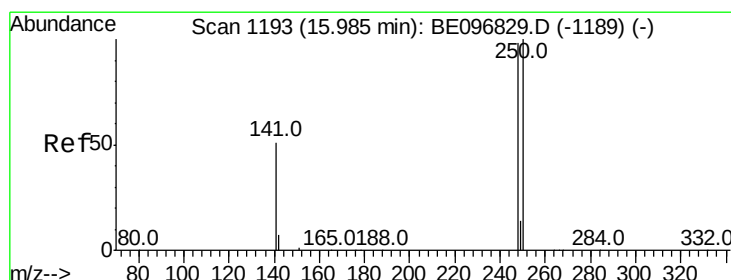
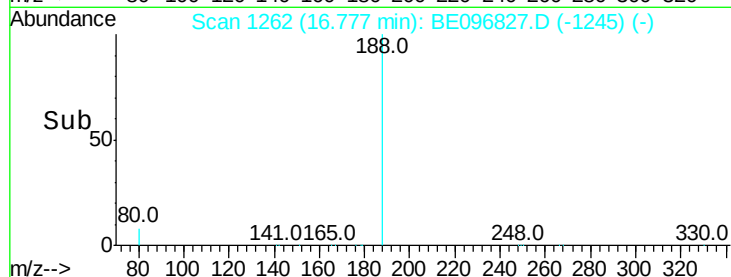
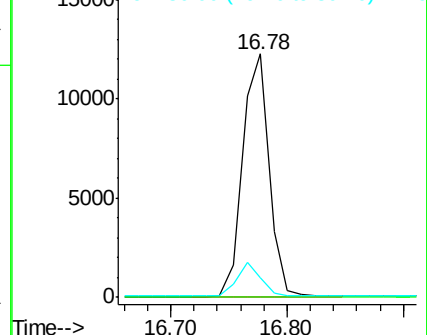
80 8.0 3.6 5.4#



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: 0.084 ng

RT: 15.98 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

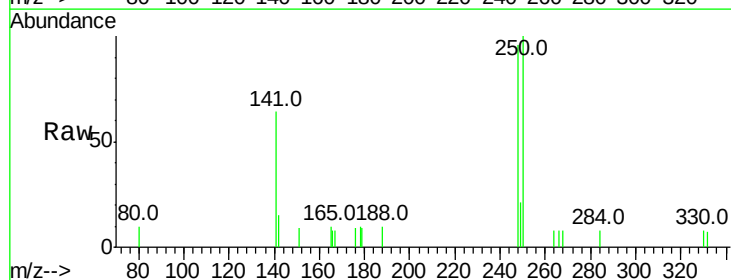
Tgt Ion:248 Resp: 797

Ion Ratio Lower Upper

248 100

250 104.1 62.7 94.1#

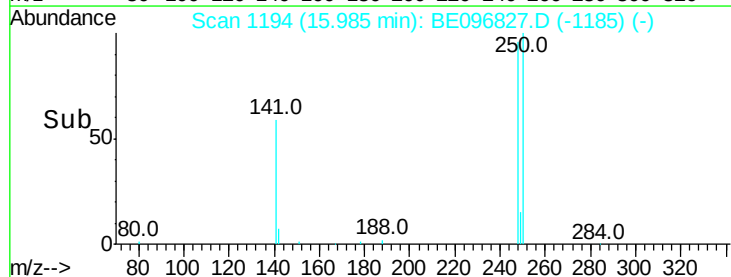
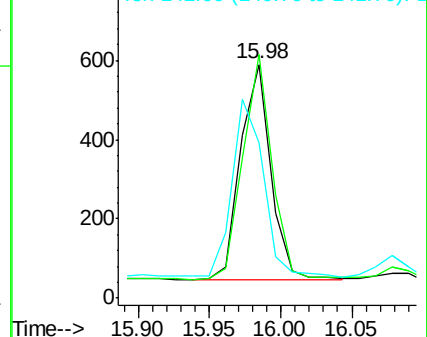
141 66.6 48.2 72.2

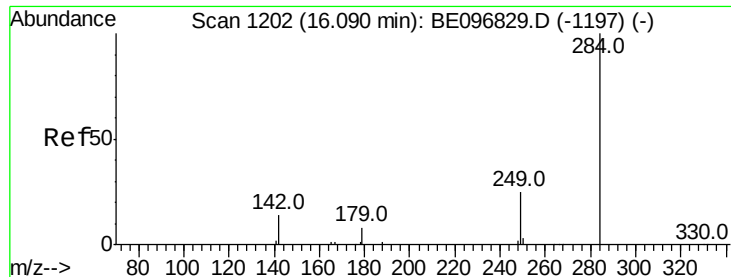


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.086 ng

RT: 16.09 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

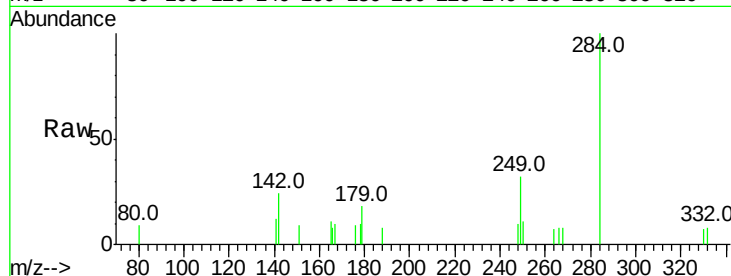
Tot Ion:284 Resp: 954

Ion Ratio Lower Upper

284 100

142 41.8 22.1 33.1#

249 32.1 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

16.09

800

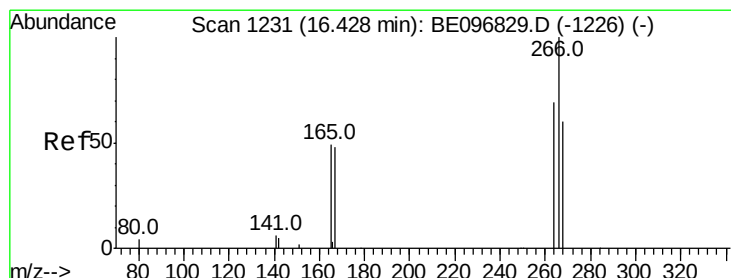
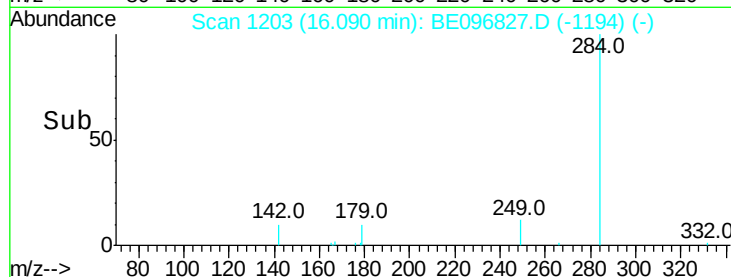
600

400

200

0

Time--> 16.00 16.05 16.10 16.15



#22

Pentachlorophenol

Concen: 0.072 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

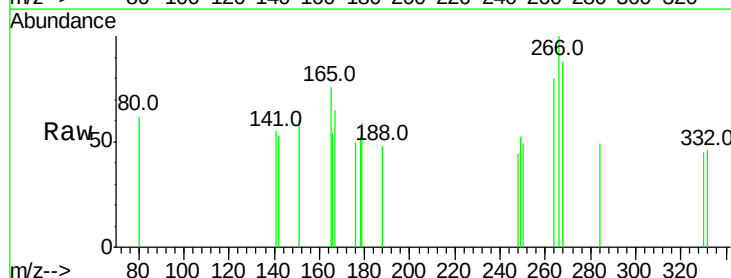
Tgt Ion:266 Resp: 125

Ion Ratio Lower Upper

266 100

264 79.8 72.5 108.7

268 88.5 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

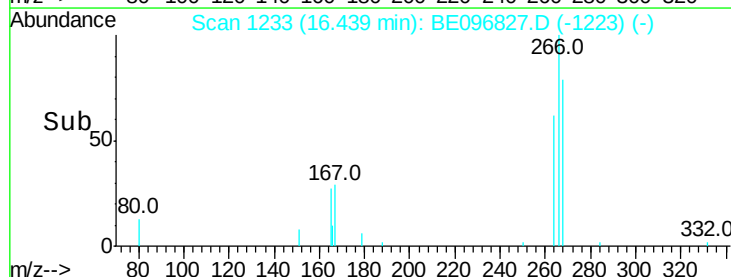
16.44

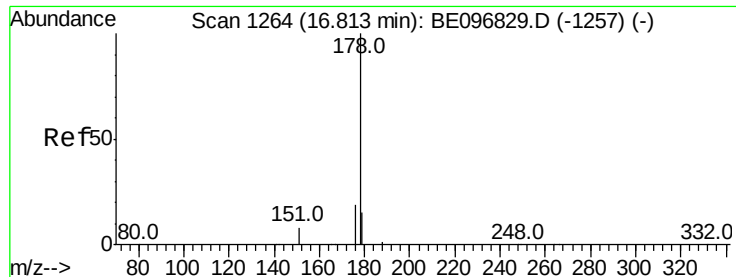
100

50

0

Time--> 16.40 16.50





#23

Phenanthrene

Concen: 0.087 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

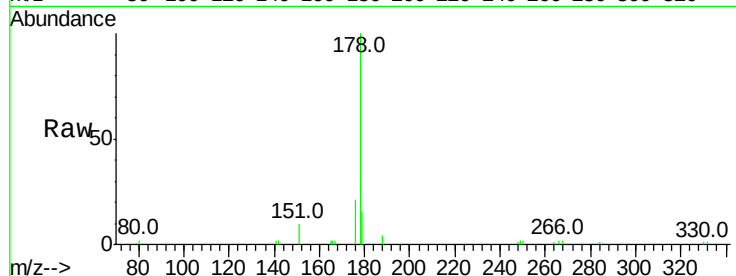
Tot Ion:178 Resp: 4592

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

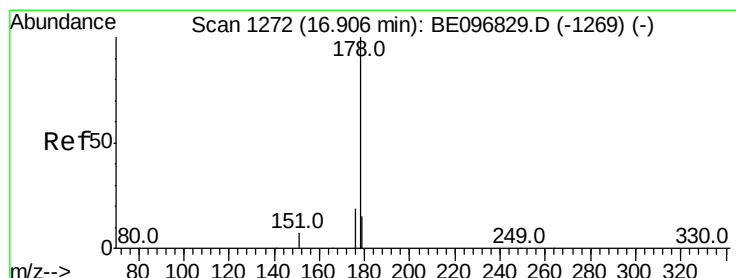
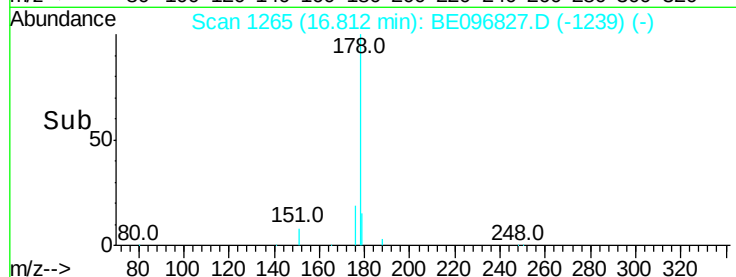
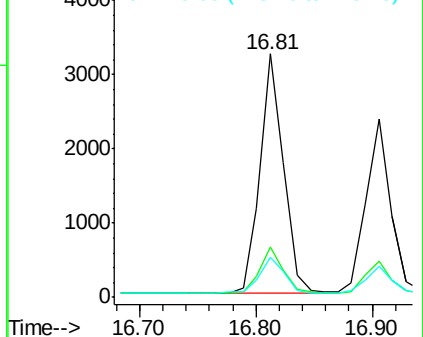
179 16.2 11.8 17.6



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: 0.079 ng

RT: 16.91 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

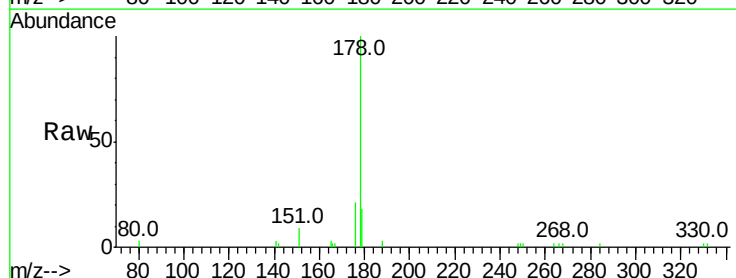
Tgt Ion:178 Resp: 3409

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

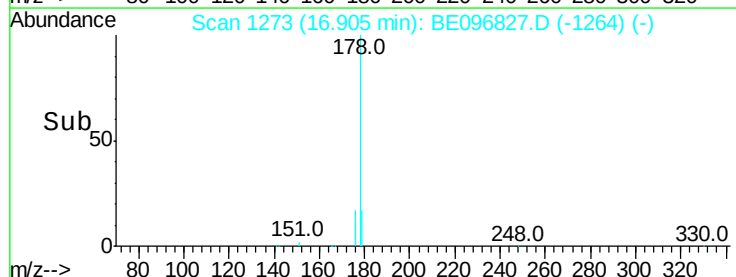
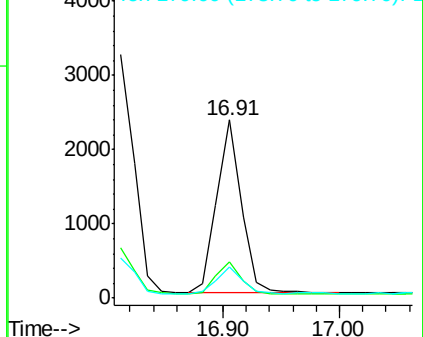
179 15.7 13.0 19.6

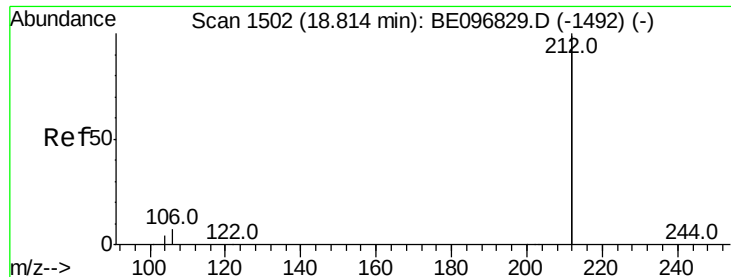


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.078 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

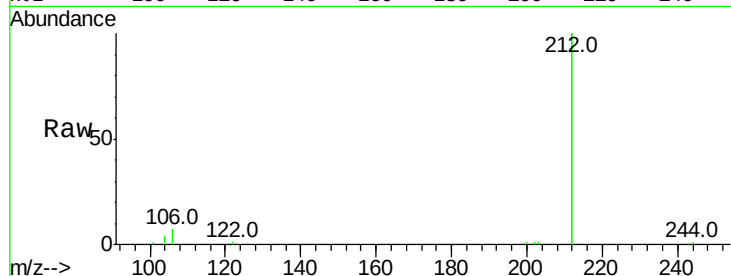
Tot Ion:212 Resp: 14788

Ion Ratio Lower Upper

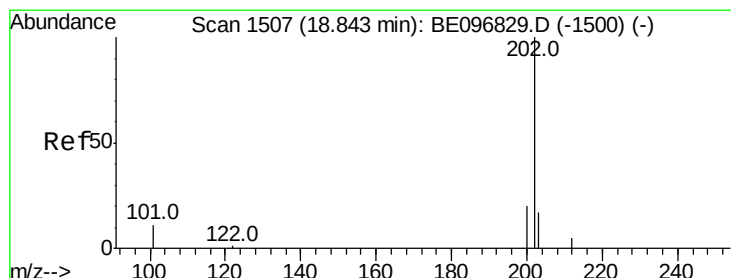
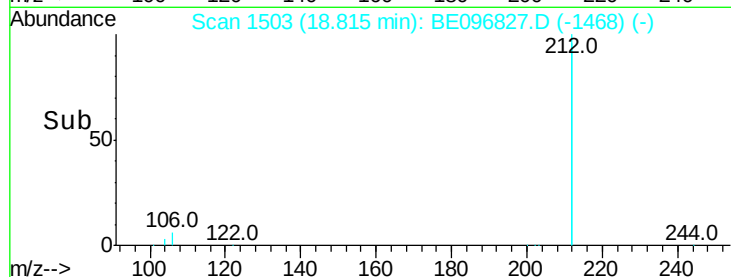
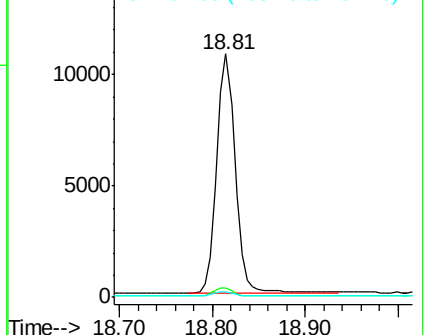
212 100

106 3.6 2.8 4.2

104 2.0 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: 0.075 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

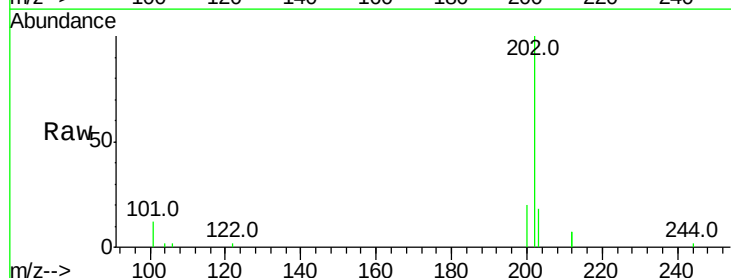
Tgt Ion:202 Resp: 4197

Ion Ratio Lower Upper

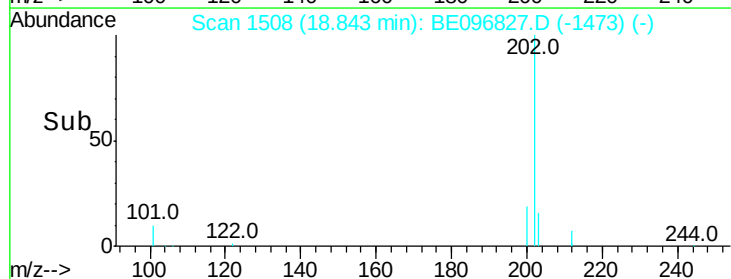
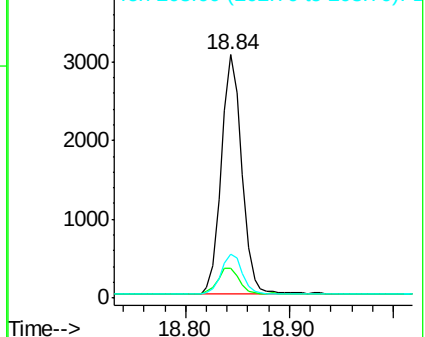
202 100

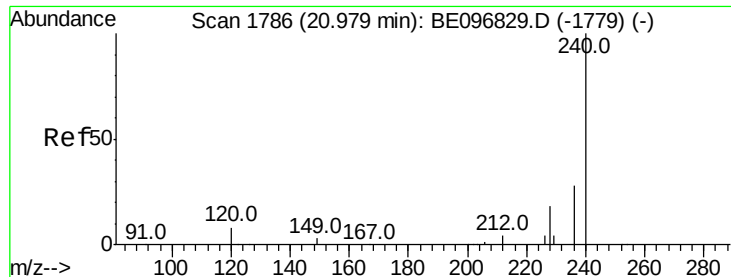
101 11.5 9.8 14.8

203 17.0 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: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampled :

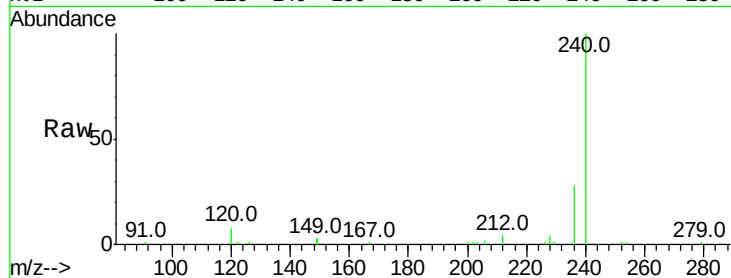
Tot Ion:240 Resp: 14405

Ion Ratio Lower Upper

240 100

120 7.5 5.5 8.3

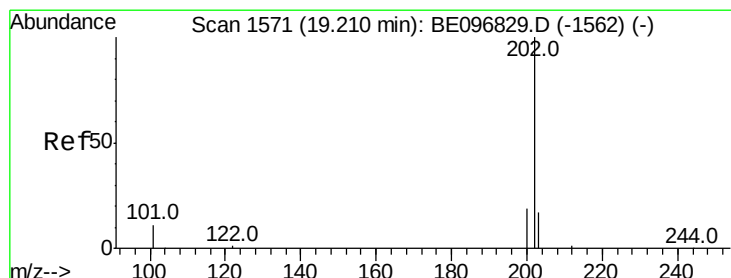
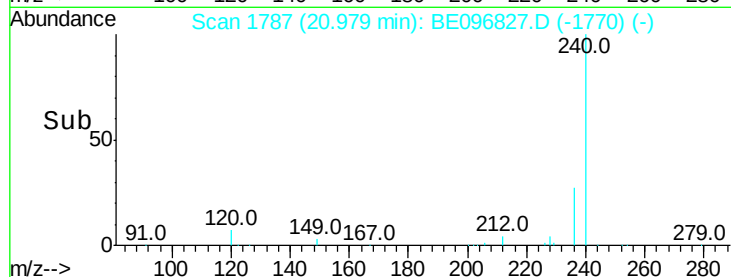
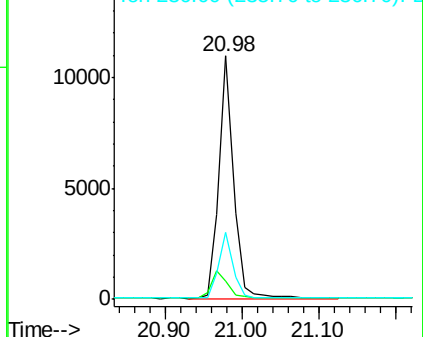
236 27.7 20.7 31.1



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: 0.089 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

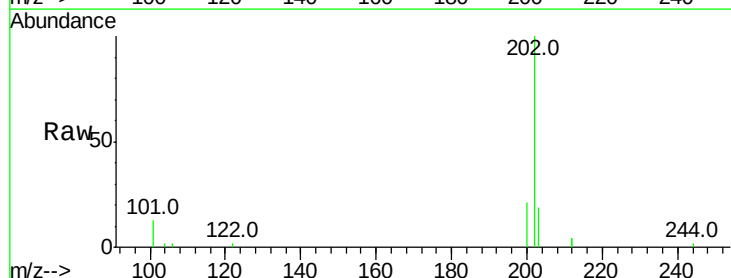
Tgt Ion:202 Resp: 4226

Ion Ratio Lower Upper

202 100

200 19.9 16.6 25.0

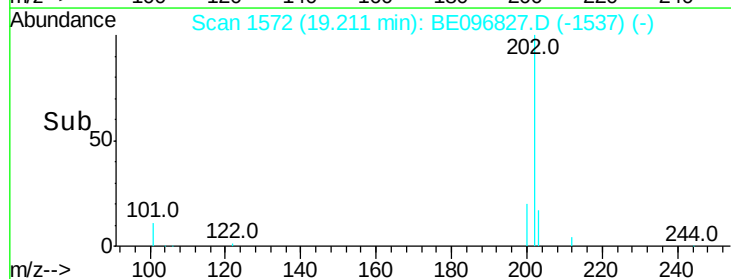
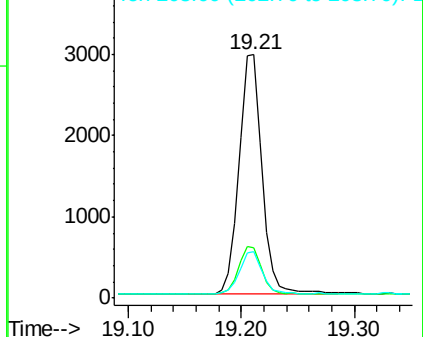
203 17.6 13.8 20.8

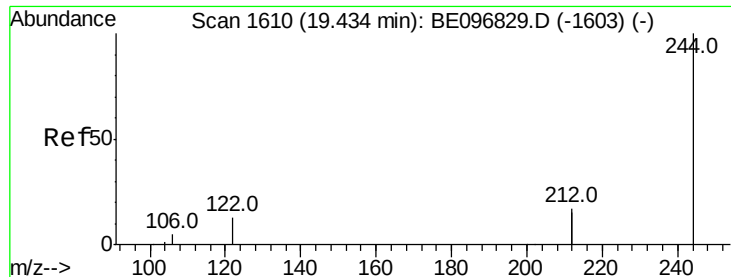


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.085 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

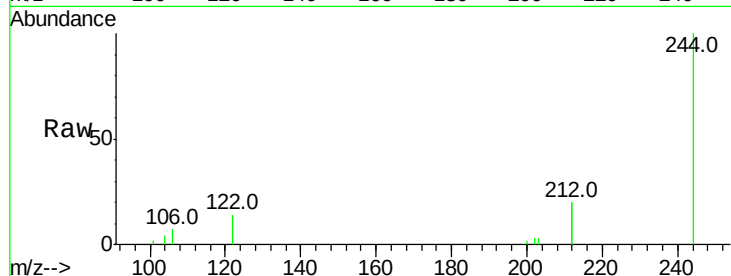
Tot Ion:244 Resp: 2772

Ion Ratio Lower Upper

244 100

212 39.1 25.4 38.0#

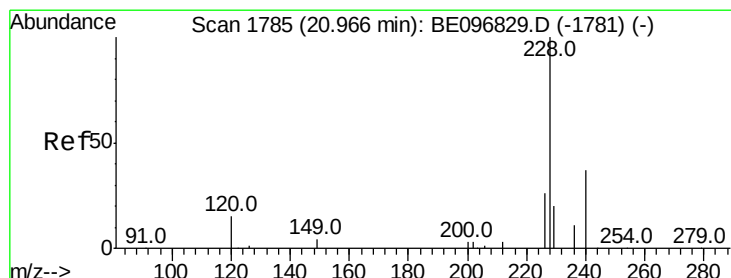
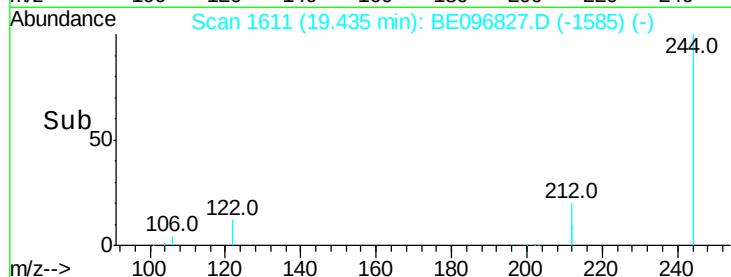
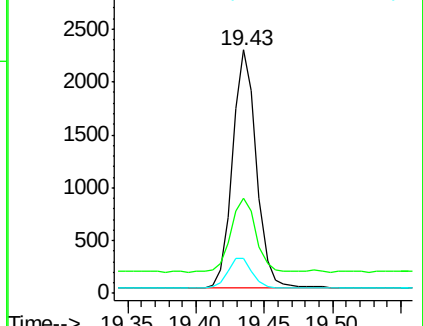
122 14.2 8.1 12.1#



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: 0.081 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

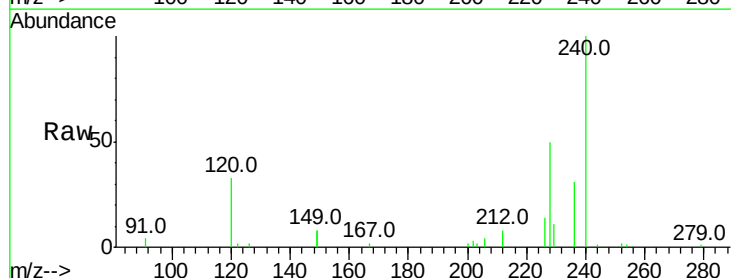
Tgt Ion:228 Resp: 2839

Ion Ratio Lower Upper

228 100

226 27.8 24.0 36.0

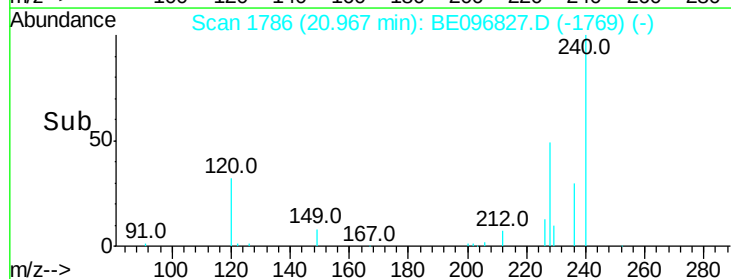
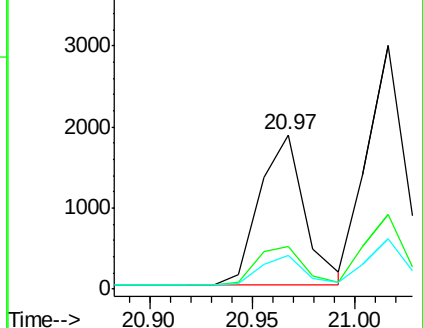
229 21.5 16.0 24.0

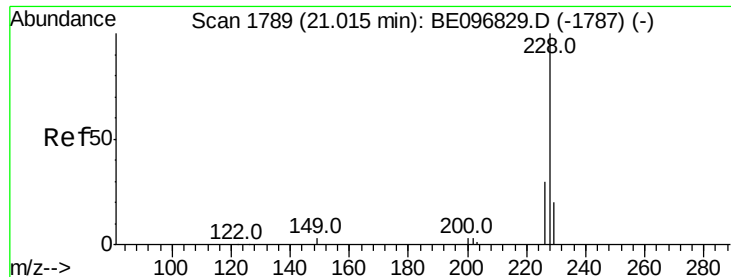


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.088 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

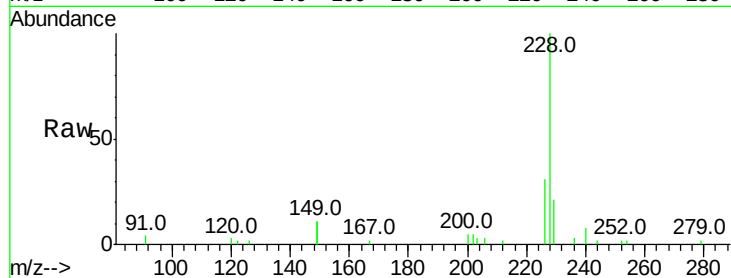
Tot Ion:228 Resp: 3862

Ion Ratio Lower Upper

228 100

226 30.8 24.0 36.0

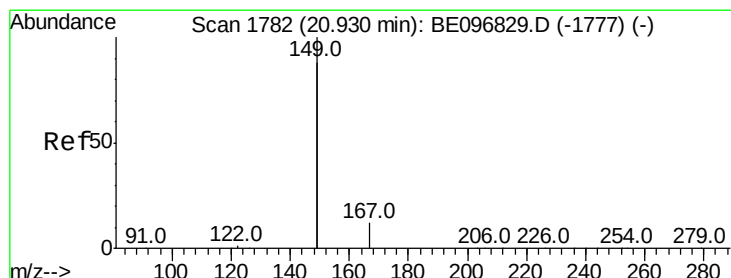
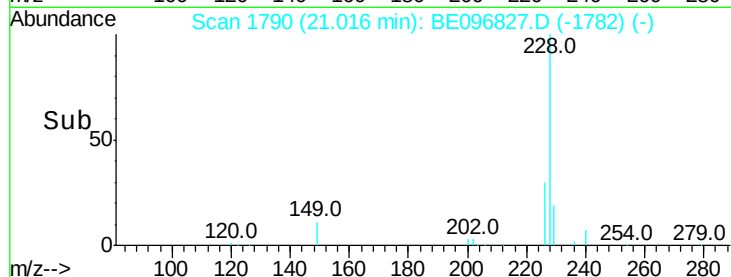
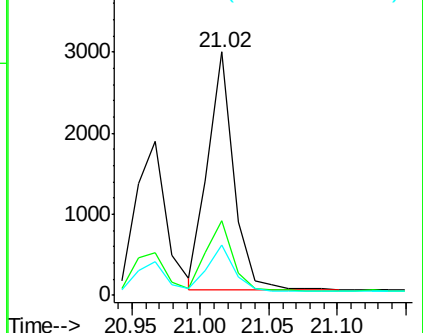
229 20.8 16.0 24.0



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: 0.122 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

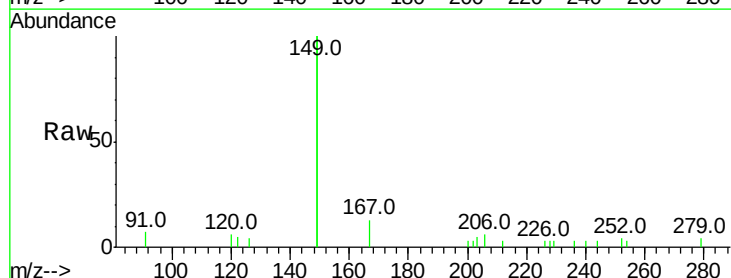
Tgt Ion:149 Resp: 3200

Ion Ratio Lower Upper

149 100

167 8.1 5.4 8.0#

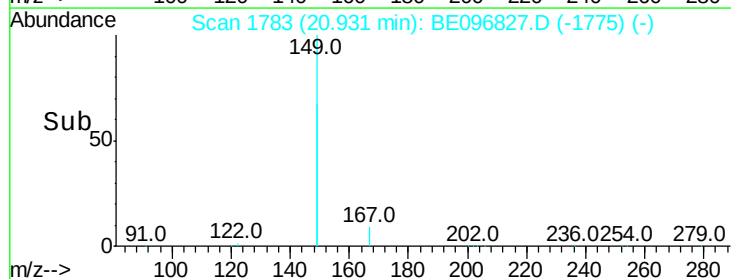
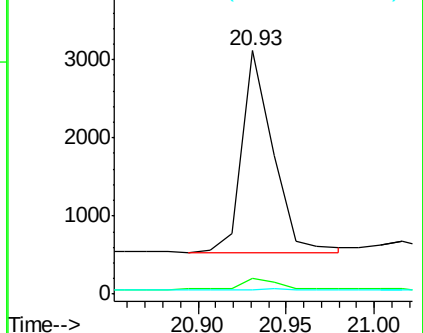
279 1.0 0.7 1.1

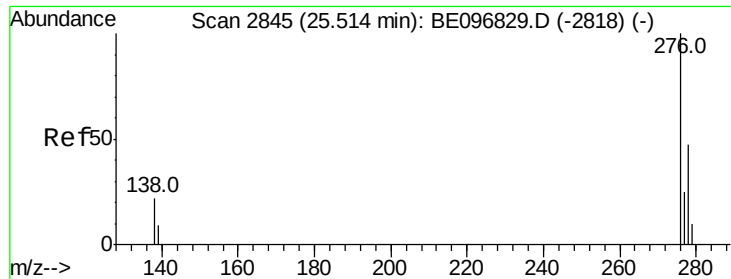


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.079 ng

RT: 25.51 min Scan# 2844

Delta R.T. -0.01 min

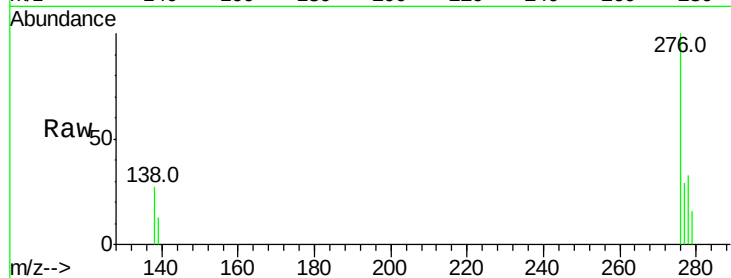
Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :



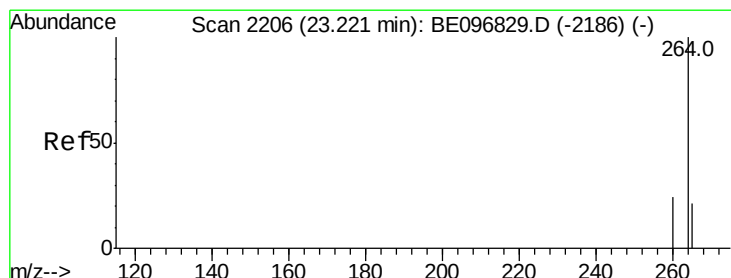
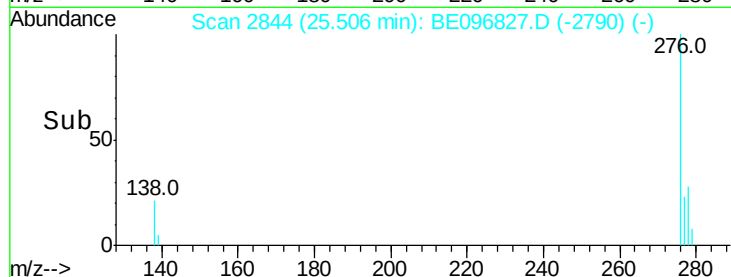
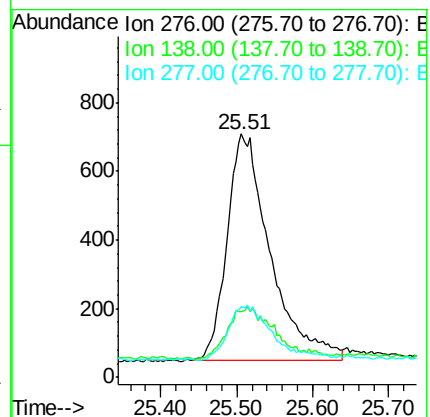
Tot Ion:276 Resp: 2609

Ion Ratio Lower Upper

276 100

138 23.5 22.5 33.7

277 24.1 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

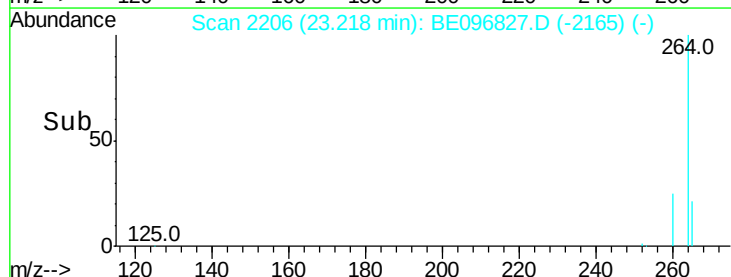
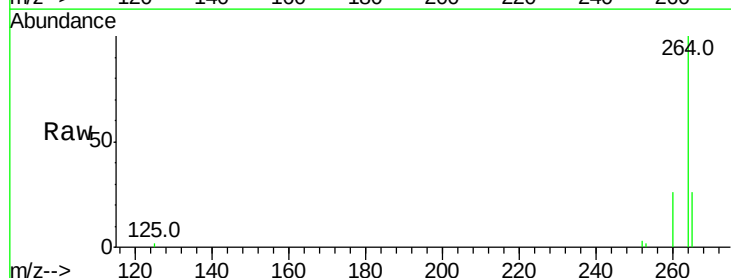
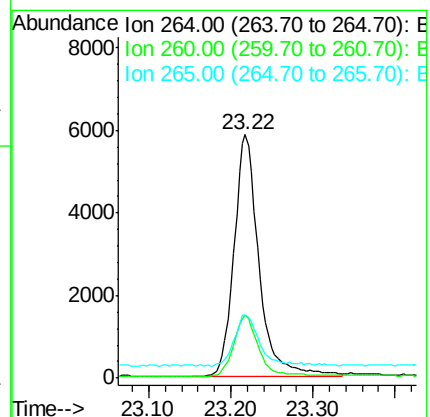
Tgt Ion:264 Resp: 12264

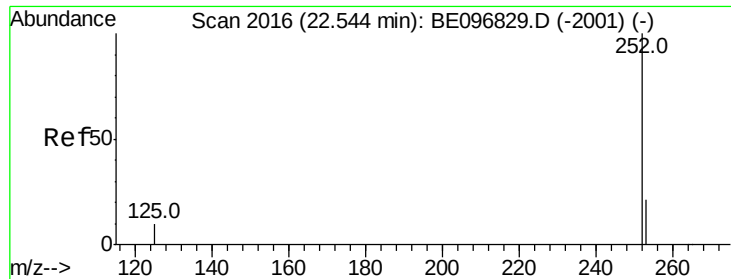
Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

265 25.8 22.8 34.2

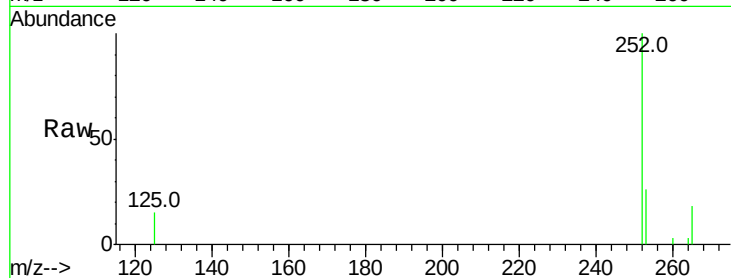




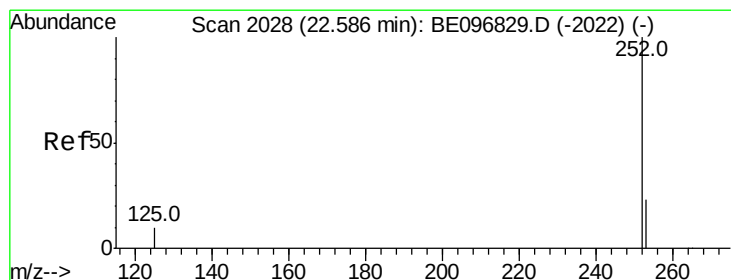
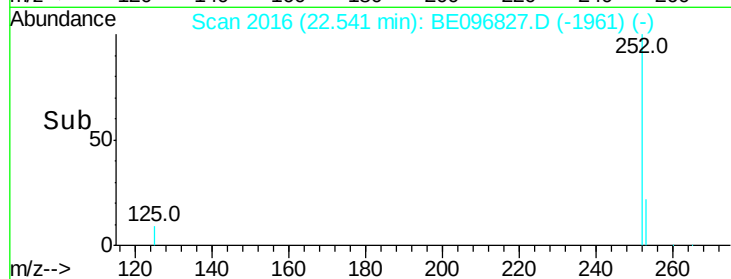
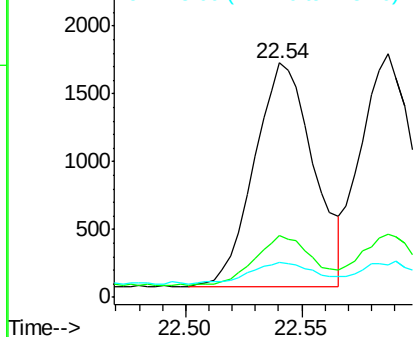
#35
Benzo(b)fluoranthene
Concen: 0.087 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE096827.D
Acq: 20 Jun 2018 9:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 2937
Ion Ratio Lower Upper
252 100
253 26.2 20.0 30.0
125 14.8 16.0 24.0#

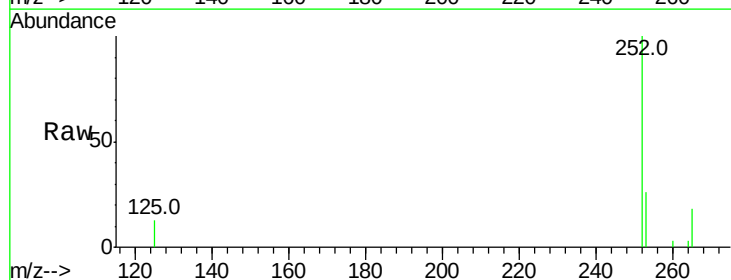


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

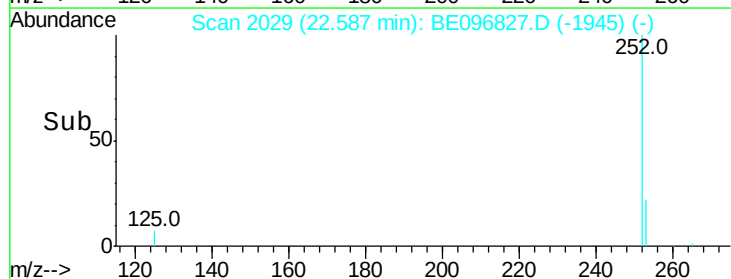
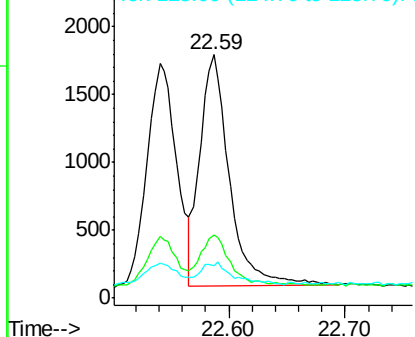


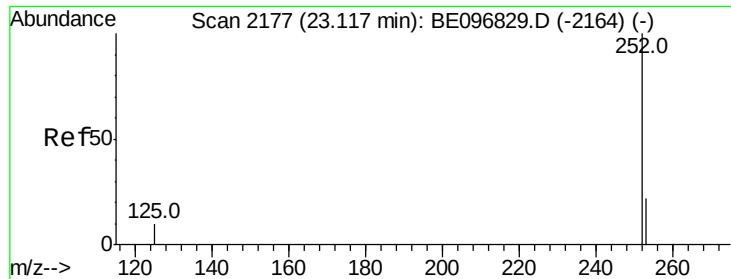
#36
Benzo(k)fluoranthene
Concen: 0.075 ng
RT: 22.59 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BE096827.D
Acq: 20 Jun 2018 9:47

Tgt Ion:252 Resp: 3004
Ion Ratio Lower Upper
252 100
253 25.8 16.0 24.0#
125 13.1 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: 0.080 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :

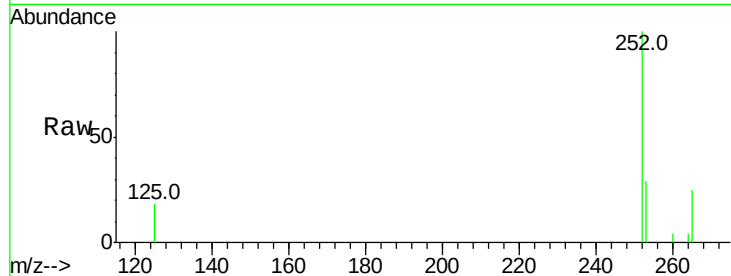
Tot Ion:252 Resp: 2334

Ion Ratio Lower Upper

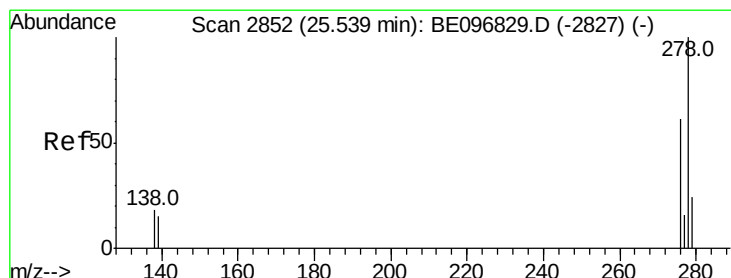
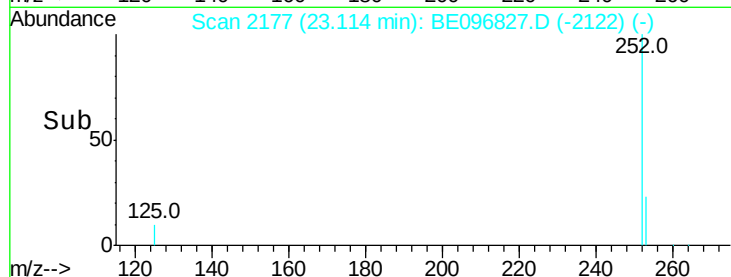
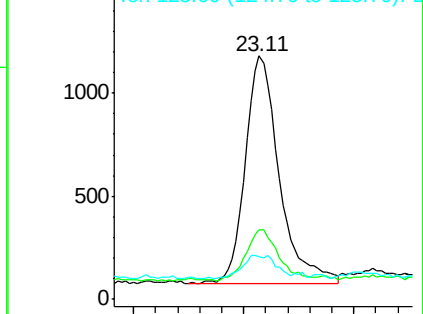
252 100

253 28.8 16.0 24.0#

125 17.6 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.073 ng

RT: 25.54 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

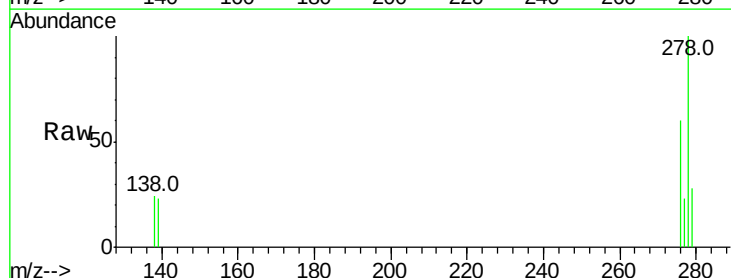
Tgt Ion:278 Resp: 2049

Ion Ratio Lower Upper

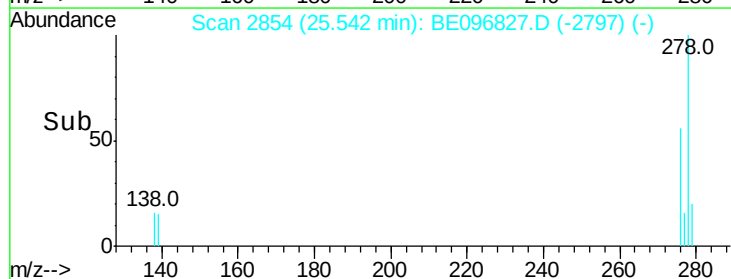
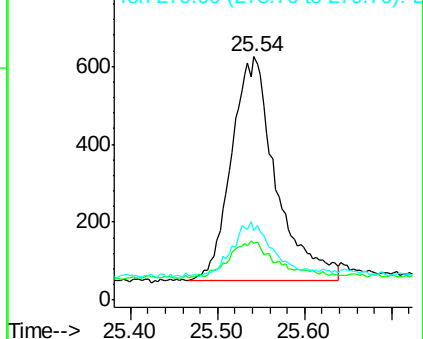
278 100

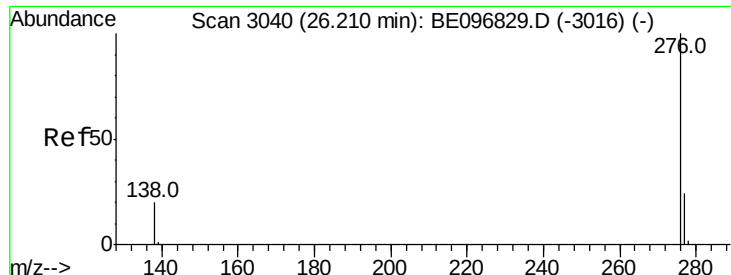
139 23.2 16.0 24.0

279 28.5 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.083 ng

RT: 26.22 min Scan# 3043

Delta R.T. 0.01 min

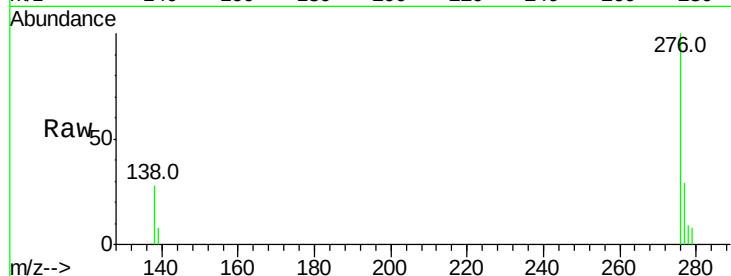
Lab File: BE096827.D

Acq: 20 Jun 2018 9:47

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 2567

Ion Ratio Lower Upper

276 100

277 28.6 16.0 24.0#

138 27.8 20.0 30.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

