

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062118\
 Data File : BE096837.D
 Acq On : 21 Jun 2018 10:07
 Operator : SJ/JU
 Sample : PB110435BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 22 02:28:33 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 15:45:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3825	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	16055	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6668	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	15074	0.40	ng	0.00
27) Chrysene-d12	20.98	240	15831	0.40	ng	0.00
34) Perylene-d12	23.22	264	13757	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	3667	0.43	ng	0.01
5) Phenol-d6	6.60	99	4314	0.34	ng	0.00
8) Nitrobenzene-d5	8.53	82	3713	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7943	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	285	0.29	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	9782	0.40	ng	0.00
25) Fluoranthene-d10	18.82	212	40128	0.30	ng	0.00
29) Terphenyl-d14	19.44	244	8392	0.27	ng	0.00

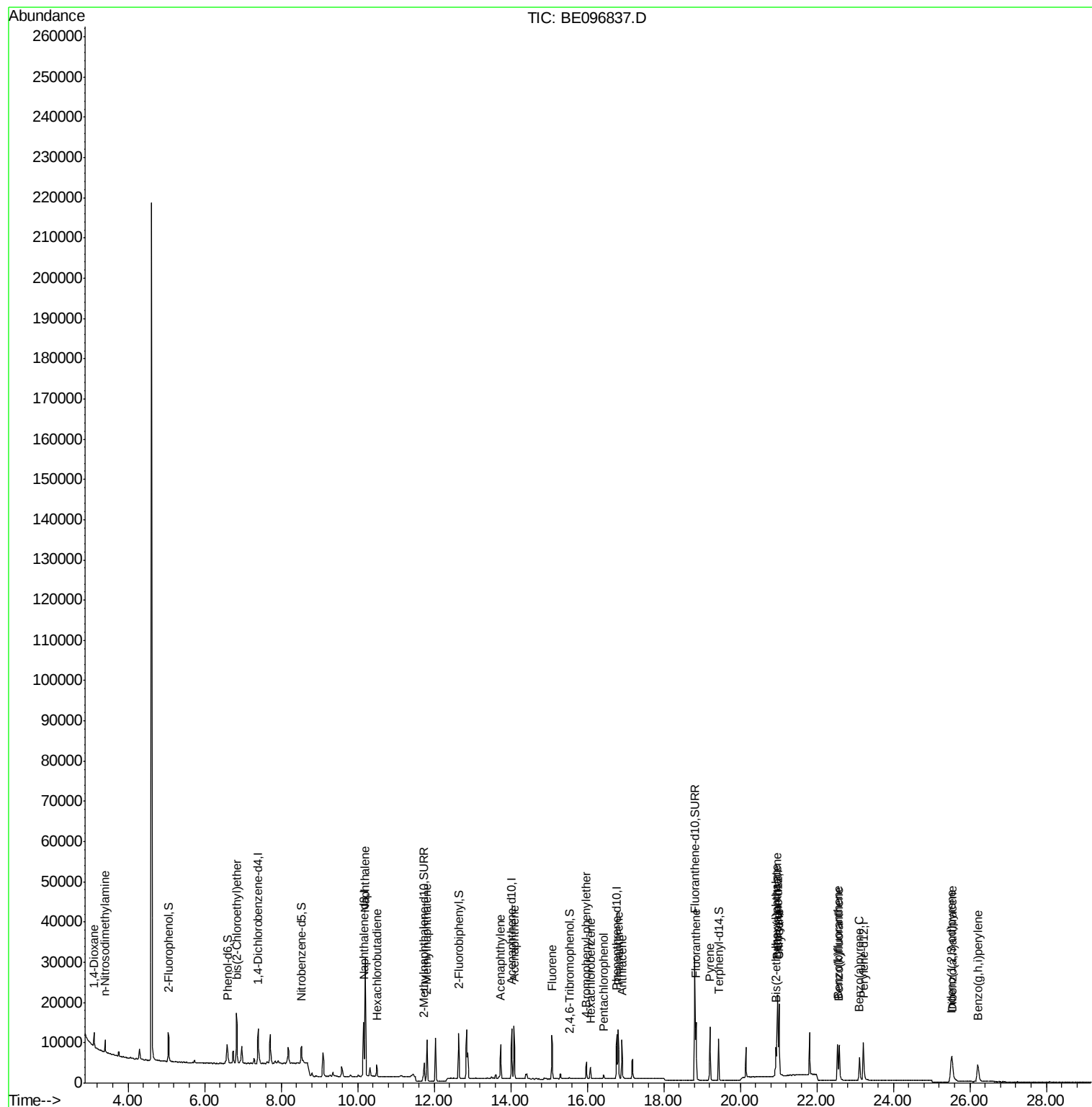
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	1612	0.281	ng	# 82
3) n-Nitrosodimethylamine	3.38	42	2289	0.377	ng	# 84
6) bis(2-Chloroethyl)ether	6.85	93	4122	0.295	ng	98
9) Naphthalene	10.20	128	48733	0.335	ng	99
10) Hexachlorobutadiene	10.50	225	1910	0.315	ng	97
12) 2-Methylnaphthalene	11.81	142	7389	0.306	ng	98
16) Acenaphthylene	13.74	152	8966	0.310	ng	99
17) Acenaphthene	14.08	154	6009	0.314	ng	# 94
18) Fluorene	15.07	166	6589	0.293	ng	# 80
20) 4-Bromophenyl-phenylether	15.98	248	2017	0.297	ng	# 82
21) Hexachlorobenzene	16.09	284	2500	0.323	ng	# 81
22) Pentachlorophenol	16.44	266	566	0.475	ng	# 73
23) Phenanthrene	16.81	178	12035	0.325	ng	98
24) Anthracene	16.90	178	9703	0.316	ng	95
26) Fluoranthene	18.84	202	12925	0.345	ng	99
28) Pyrene	19.21	202	12343	0.269	ng	99
30) Benzo(a)anthracene	20.97	228	11056	0.315	ng	97
31) Chrysene	21.01	228	14208	0.328	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	8494	0.270	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	11190	0.347	ng	94
35) Benzo(b)fluoranthene	22.54	252	11861	0.316	ng	# 89
36) Benzo(k)fluoranthene	22.59	252	12710	0.325	ng	95
37) Benzo(a)pyrene	23.12	252	9405	0.315	ng	94
38) Dibenzo(a,h)anthracene	25.54	278	9173	0.337	ng	98
39) Benzo(g,h,i)perylene	26.21	276	10426	0.313	ng	# 92

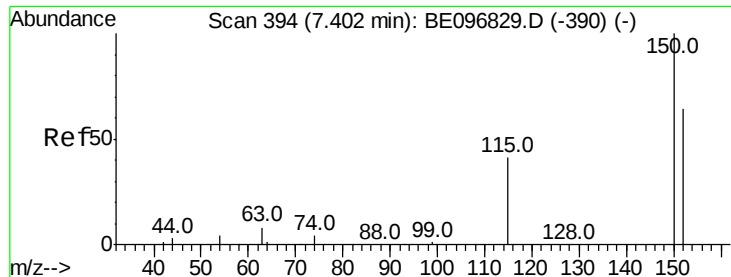
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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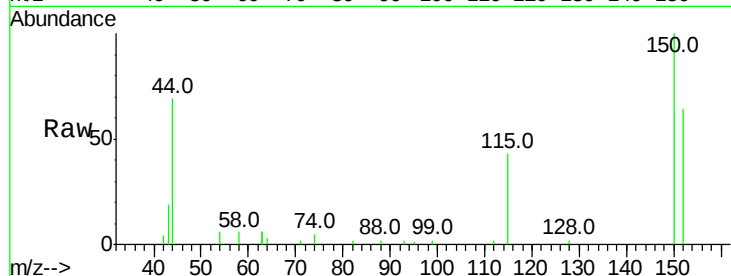


#1

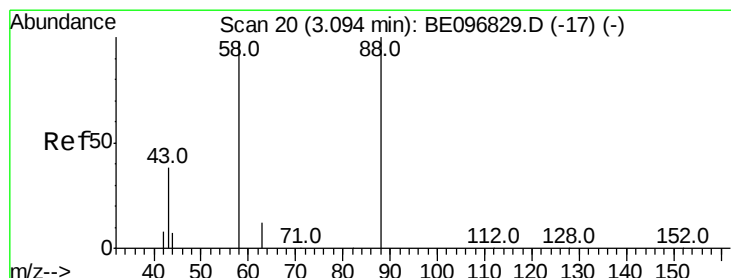
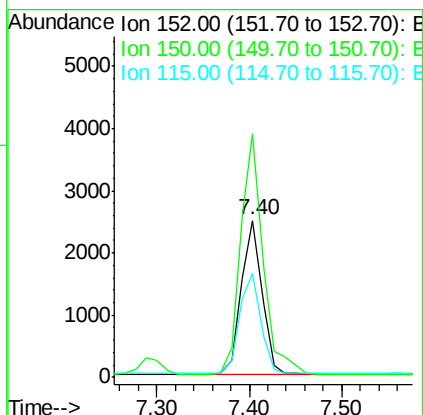
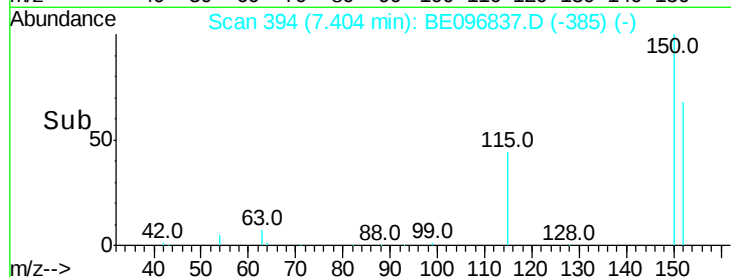
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3825
Ion Ratio Lower Upper
152 100
150 155.5 117.2 175.8
115 66.5 57.0 85.6



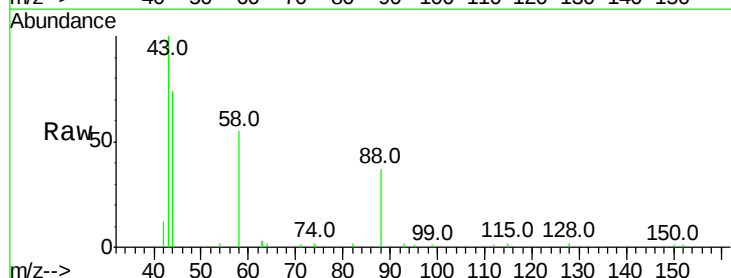
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



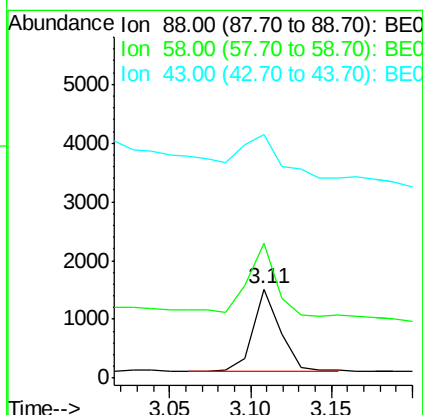
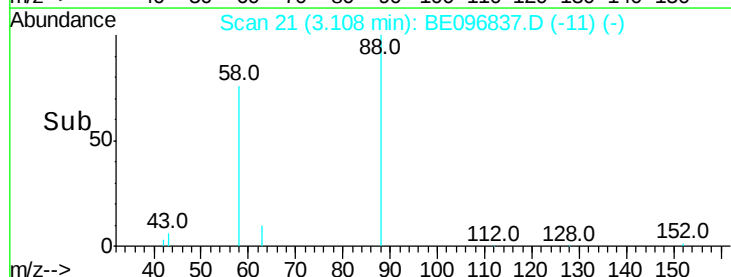
#2

1,4-Dioxane
Concen: 0.281 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion: 88 Resp: 1612
Ion Ratio Lower Upper
88 100
58 90.2 63.2 94.8
43 70.4 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



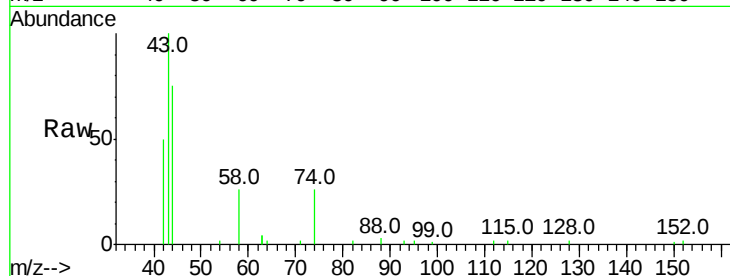


#3

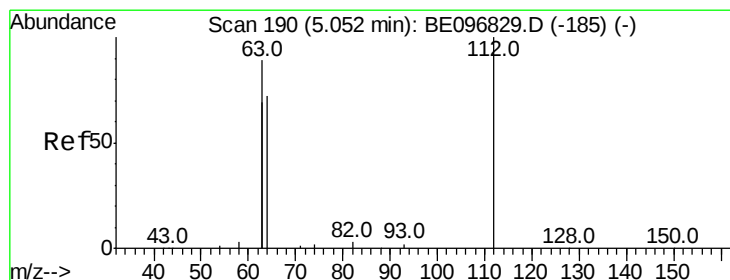
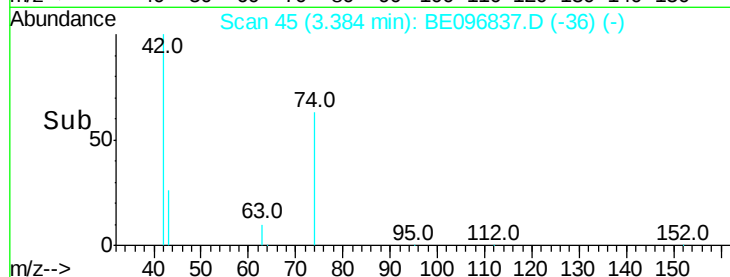
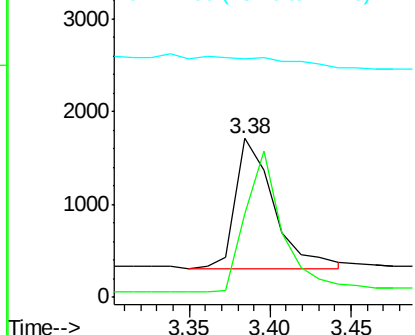
n-Nitrosodimethylamine
 Concen: 0.377 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE096837.D
 Acq: 21 Jun 2018 10:07

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 2289
 Ion Ratio Lower Upper
 42 100
 74 105.2 96.0 144.0
 44 0.0 12.0 18.0#



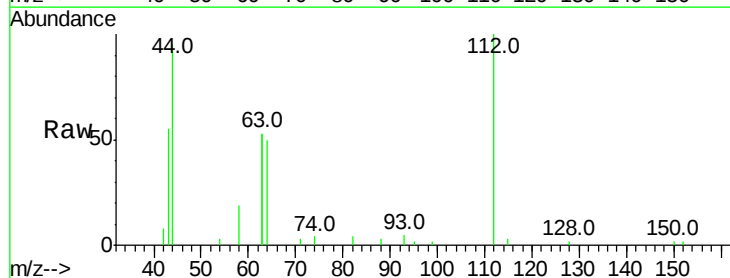
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



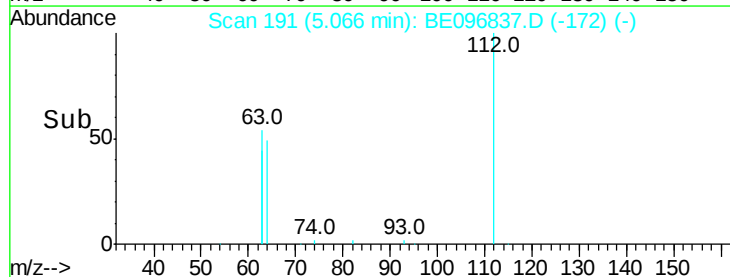
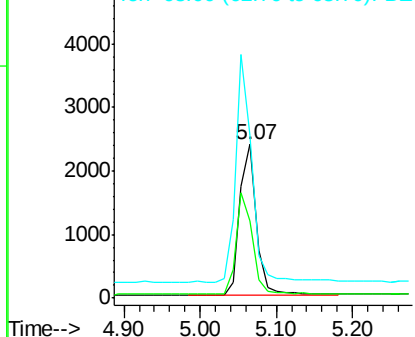
#4

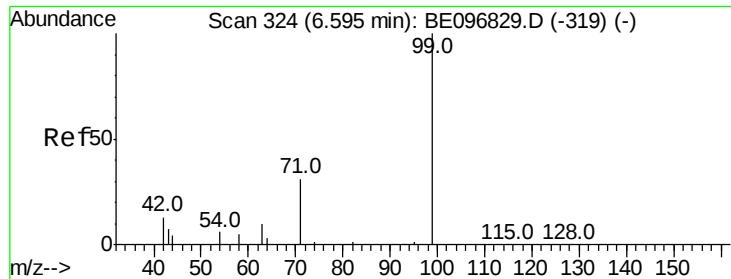
2-Fluorophenol
 Concen: 0.429 ng
 RT: 5.07 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE096837.D
 Acq: 21 Jun 2018 10:07

Tgt Ion: 112 Resp: 3667
 Ion Ratio Lower Upper
 112 100
 64 67.6 60.1 90.1
 63 149.0 116.8 175.2



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: 0.338 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampled :

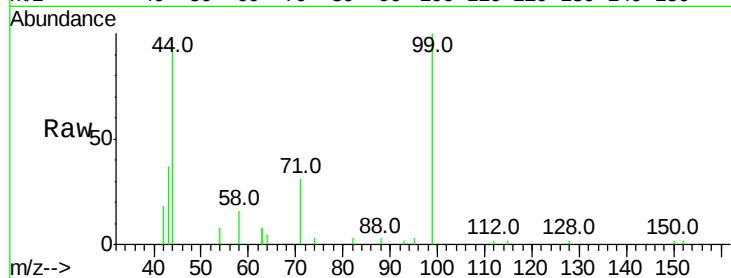
Tot Ion: 99 Resp: 4314

Ion Ratio Lower Upper

99 100

42 23.5 20.2 30.2

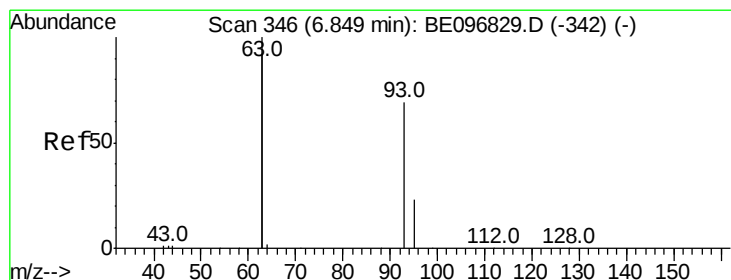
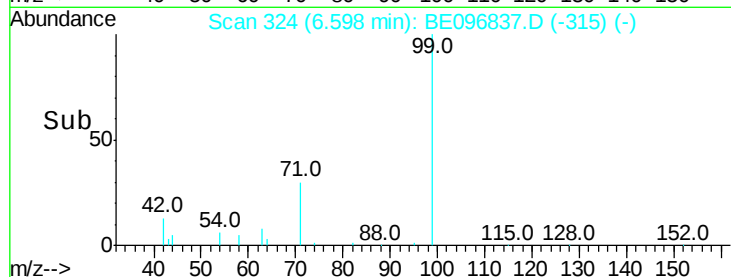
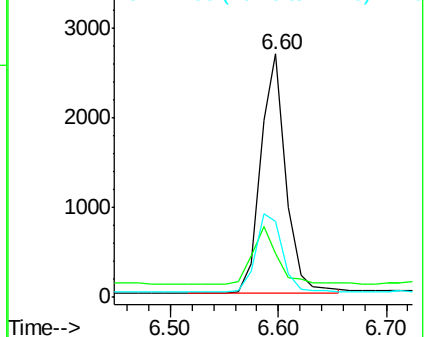
71 34.9 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.295 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

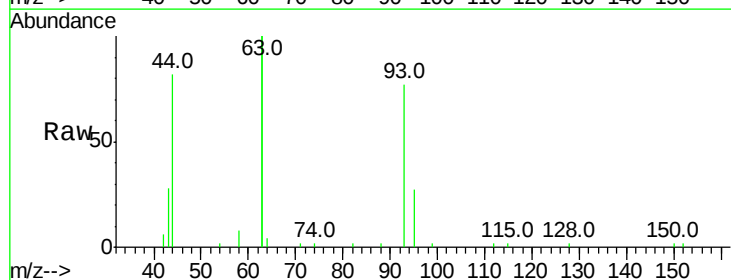
Tgt Ion: 93 Resp: 4122

Ion Ratio Lower Upper

93 100

63 339.0 275.3 412.9

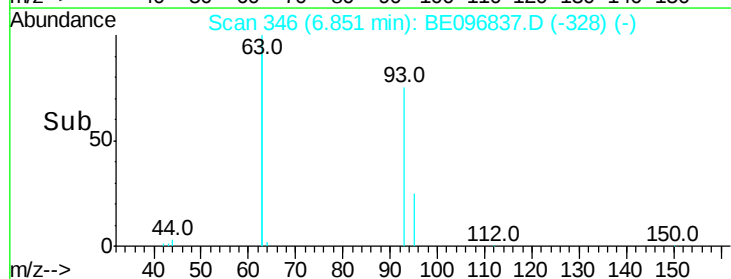
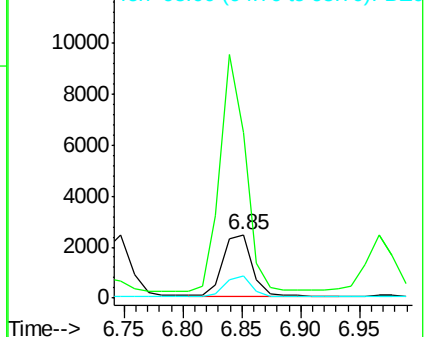
95 31.9 25.2 37.8

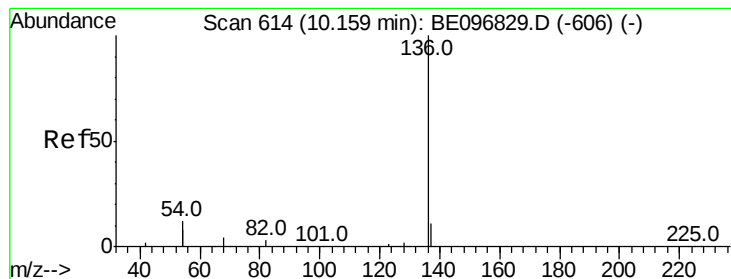


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 16055

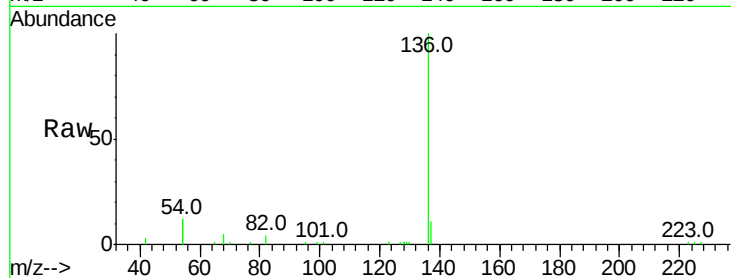
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 24.3 29.1 43.7#

68 5.1 6.2 9.2#

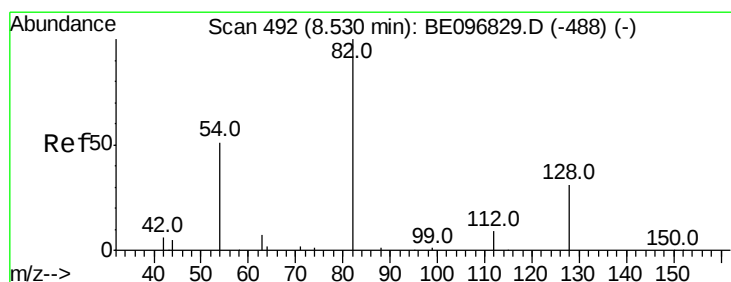
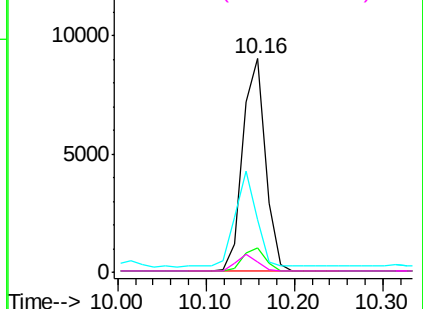
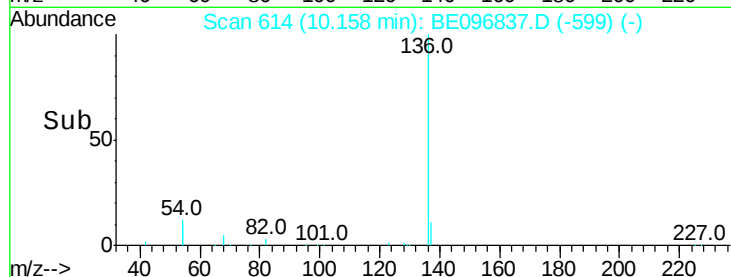


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.382 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

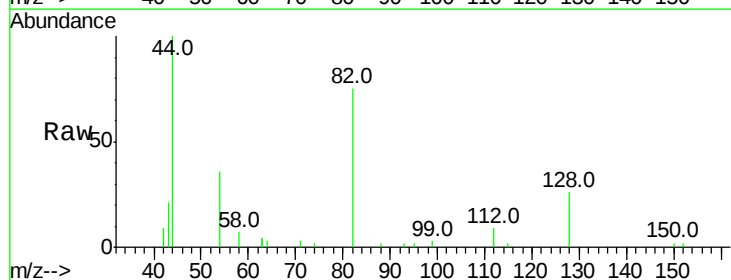
Tgt Ion: 82 Resp: 3713

Ion Ratio Lower Upper

82 100

128 35.1 24.0 36.0

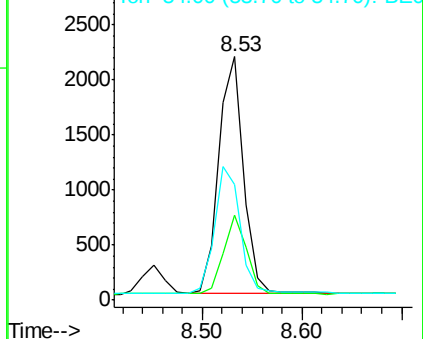
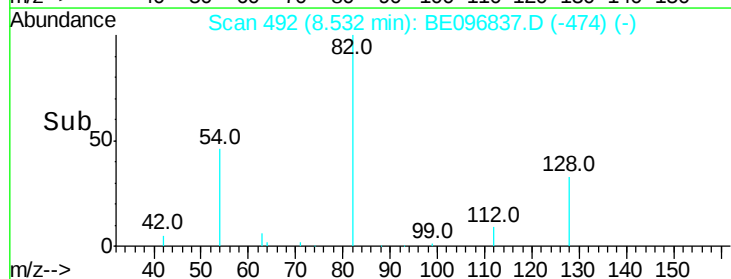
54 47.5 40.0 60.0



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: 0.335 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

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ClientSampleId :

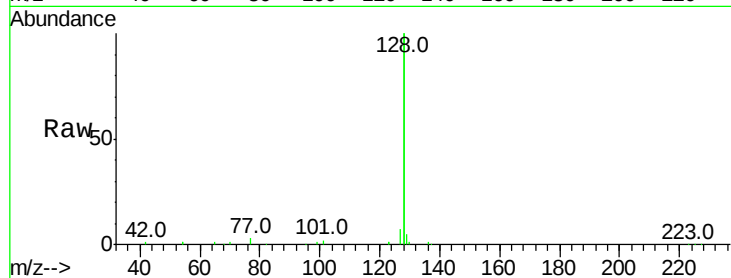
Tot Ion:128 Resp: 48733

Ion Ratio Lower Upper

128 100

129 2.7 2.6 3.8

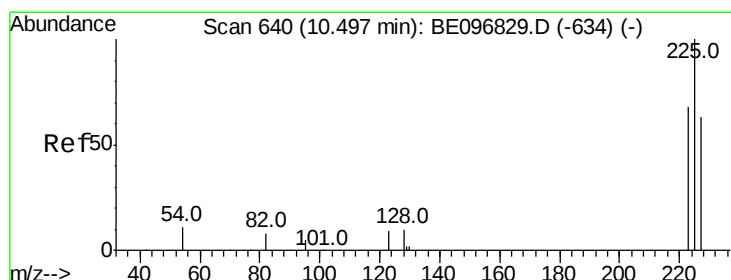
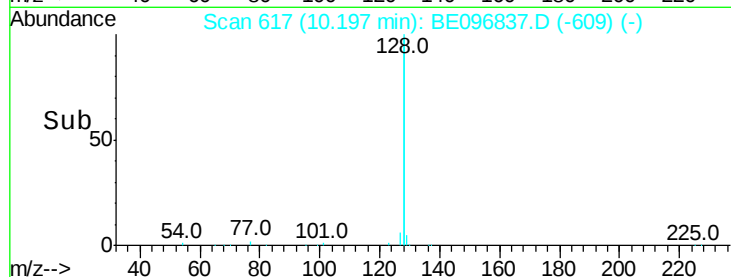
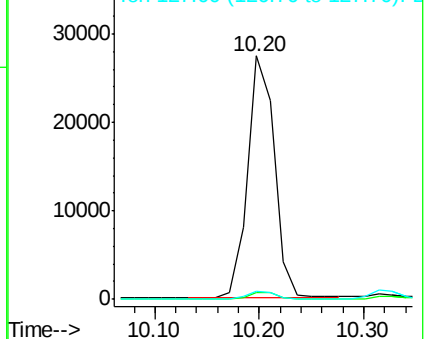
127 3.3 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.315 ng

RT: 10.50 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

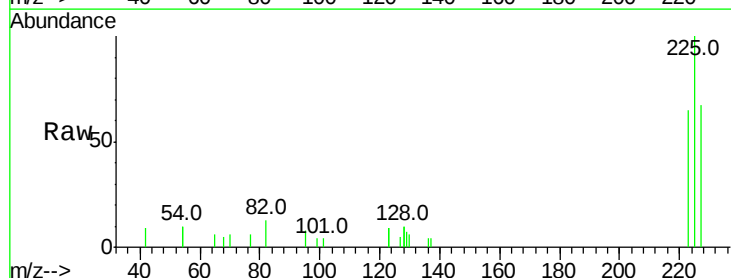
Tgt Ion:225 Resp: 1910

Ion Ratio Lower Upper

225 100

223 61.8 53.0 79.6

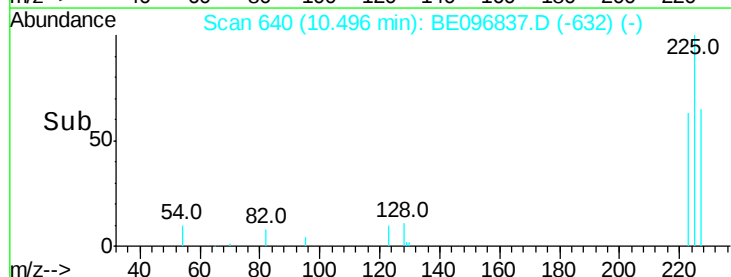
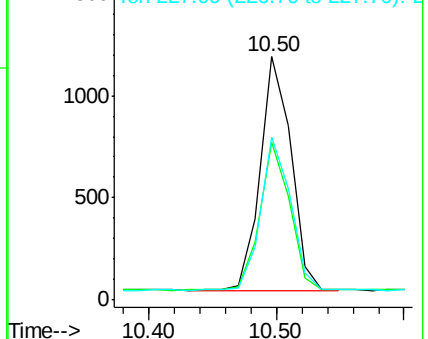
227 63.6 51.4 77.2

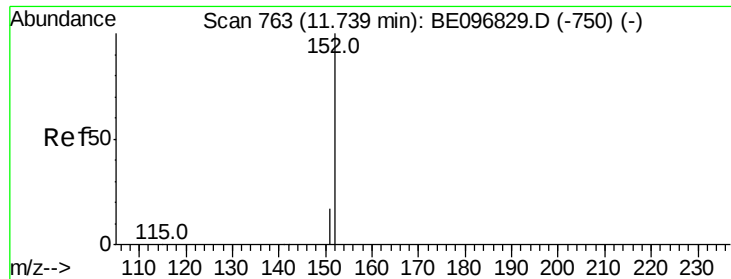


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

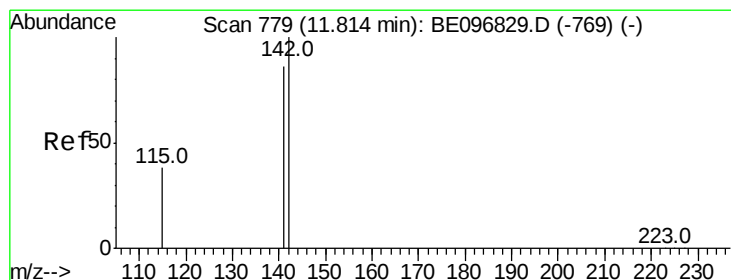
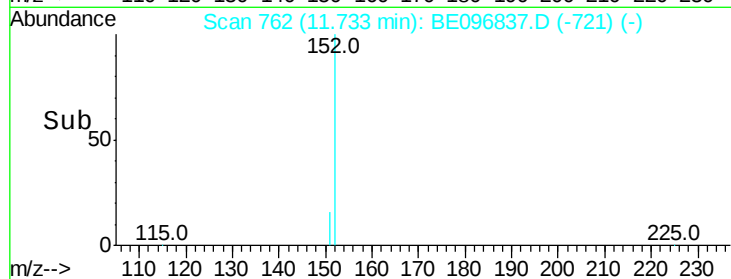
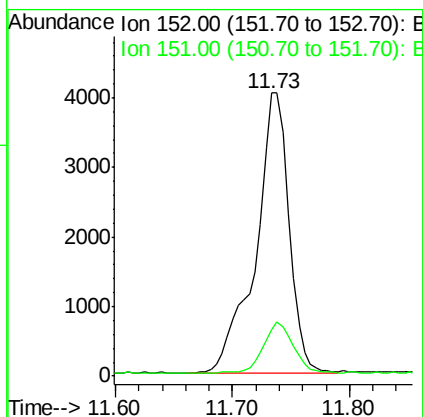
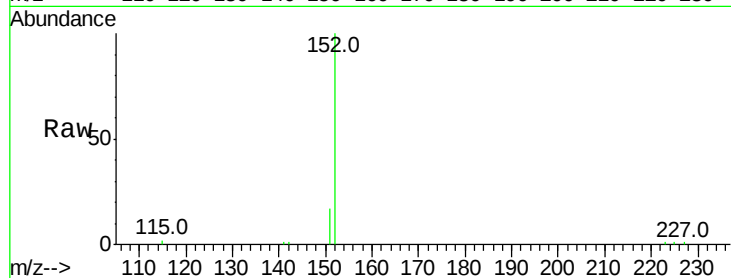




#11
 2-Methylnaphthalene-d10
 Concen: 0.344 ng
 RT: 11.73 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BE096837.D
 Acq: 21 Jun 2018 10:07

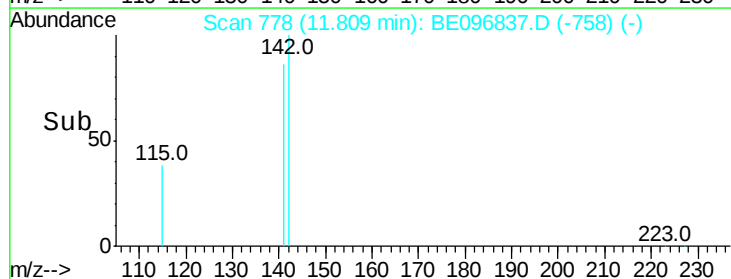
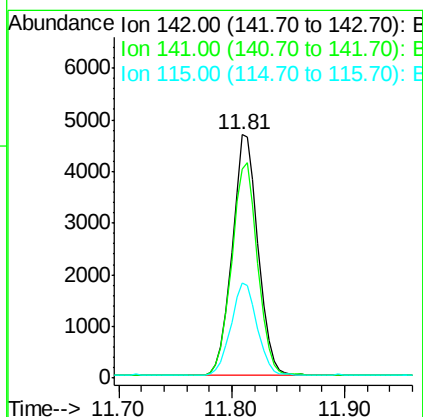
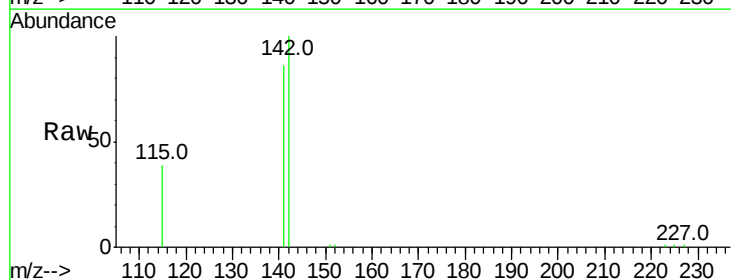
Instrument :
 BNA_E
 ClientSampleId :

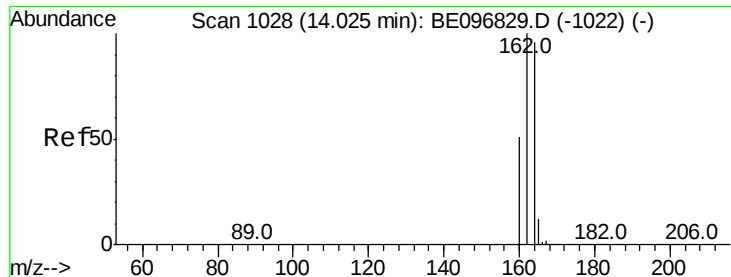
Tot Ion:152 Resp: 7943
 Ion Ratio Lower Upper
 152 100
 151 15.9 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.306 ng
 RT: 11.81 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BE096837.D
 Acq: 21 Jun 2018 10:07

Tgt Ion:142 Resp: 7389
 Ion Ratio Lower Upper
 142 100
 141 85.8 70.4 105.6
 115 39.2 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :

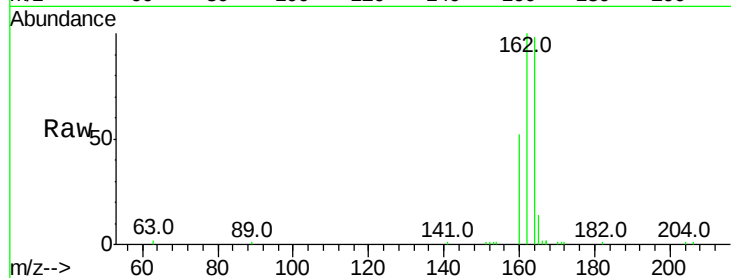
Tot Ion:164 Resp: 6668

Ion Ratio Lower Upper

164 100

162 102.4 83.1 124.7

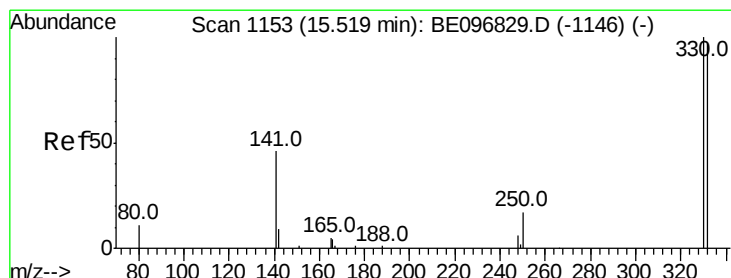
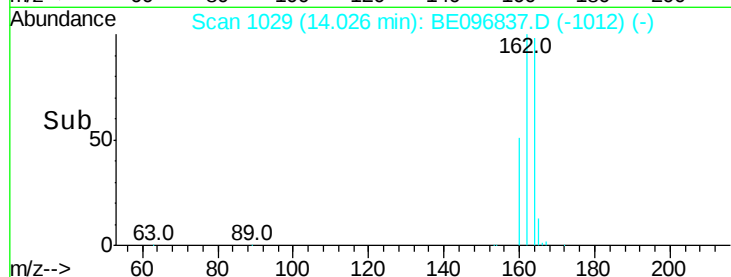
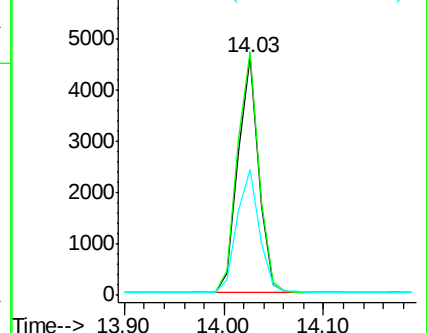
160 52.8 37.1 55.7



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: 0.287 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

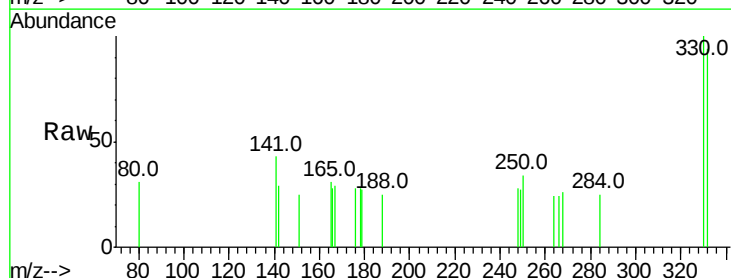
Tgt Ion:330 Resp: 285

Ion Ratio Lower Upper

330 100

332 94.4 152.7 229.1#

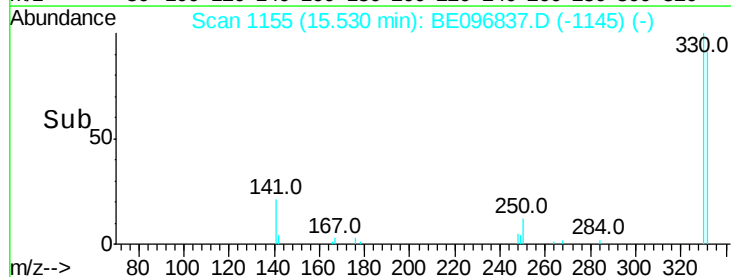
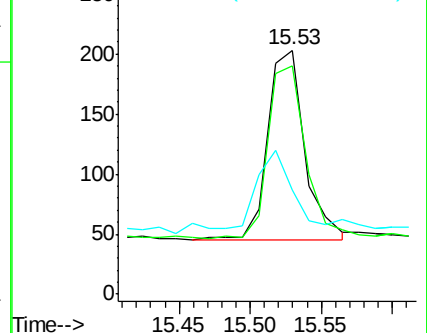
141 42.1 33.7 50.5

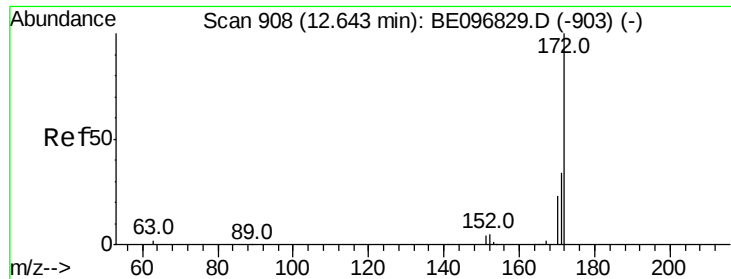


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

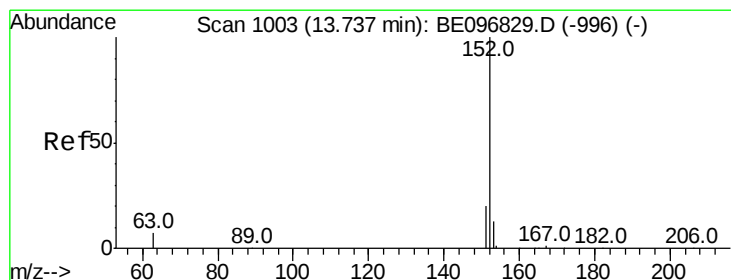
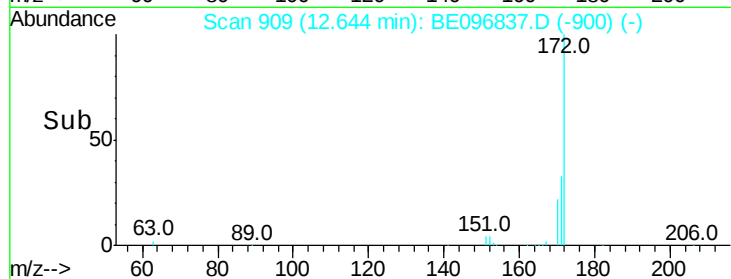
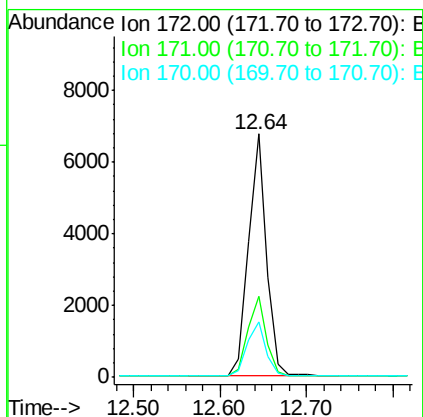
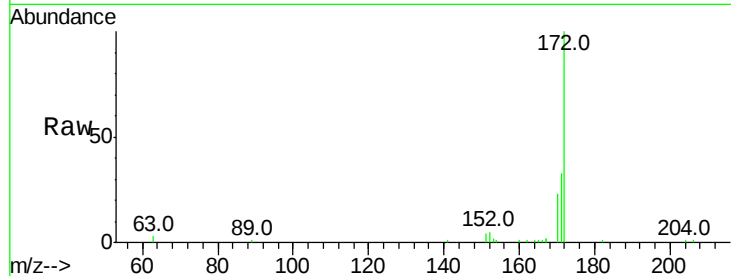




#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

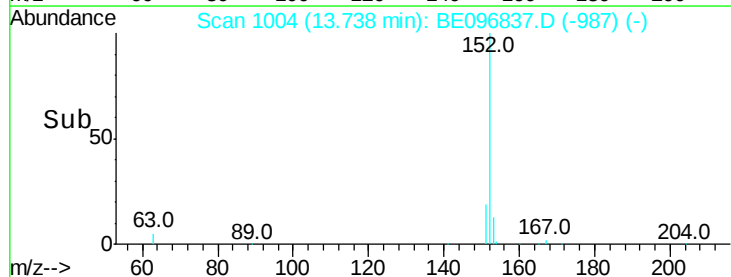
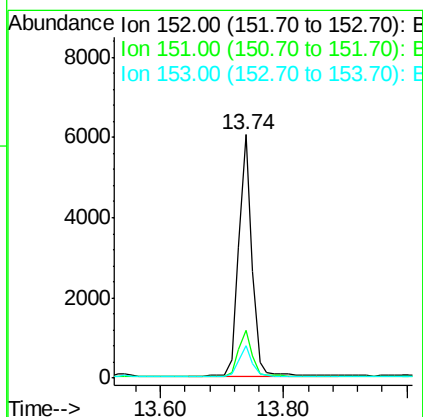
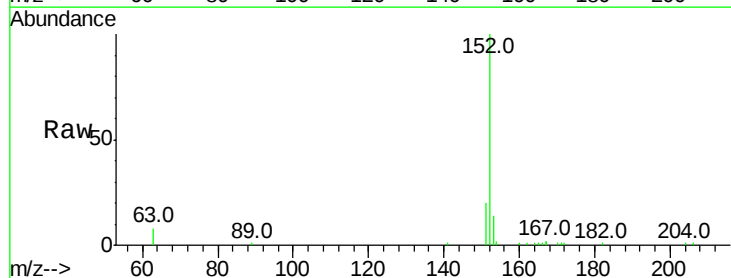
Instrument :
BNA_E
ClientSampleId :

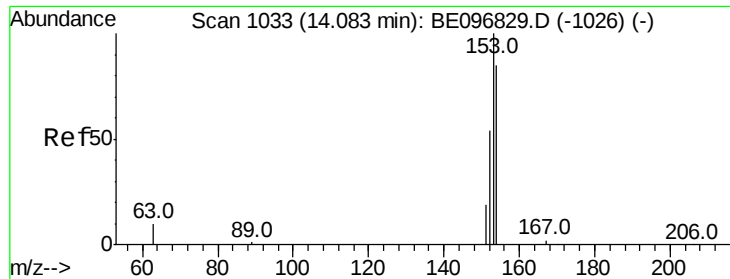
Tot Ion:172 Resp: 9782
Ion Ratio Lower Upper
172 100
171 33.4 29.9 44.9
170 22.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.310 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:152 Resp: 8966
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.4 10.5 15.7

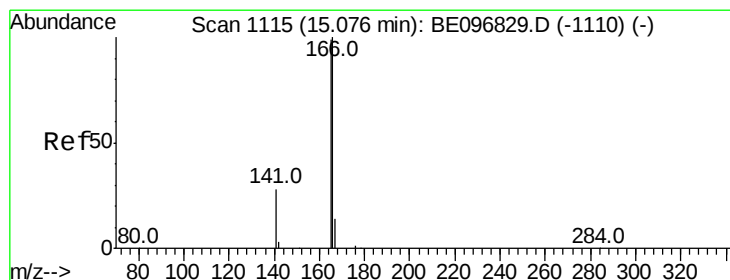
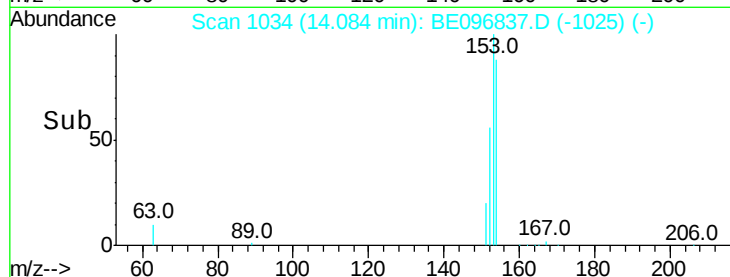
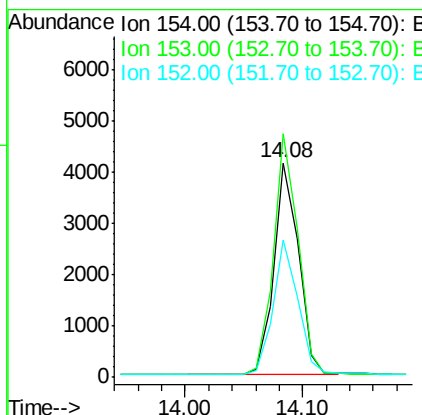
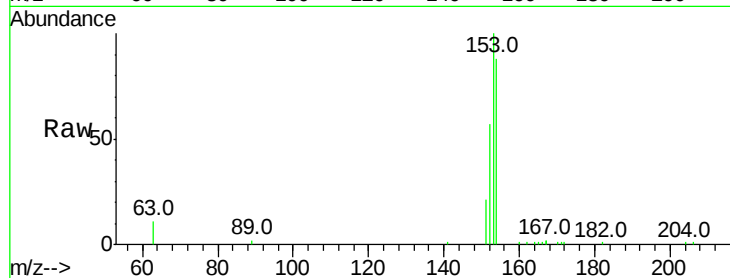




#17
Acenaphthene
Concen: 0.314 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

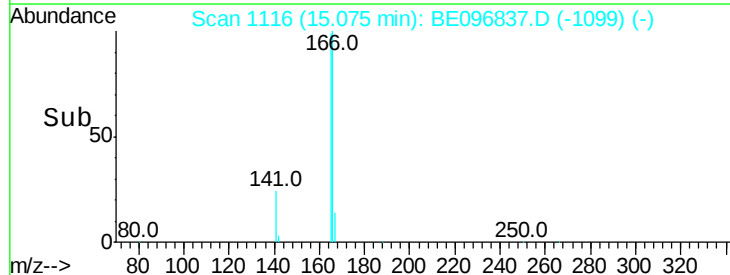
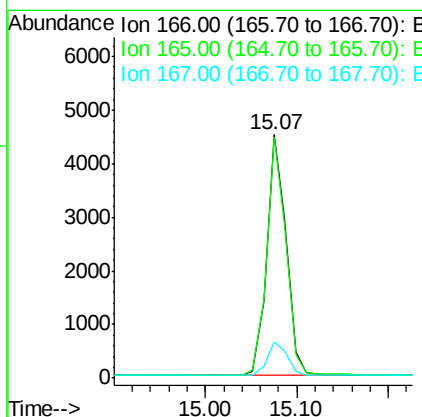
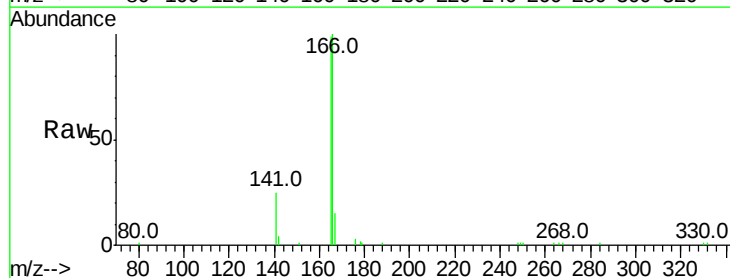
Instrument :
BNA_E
ClientSampleId :

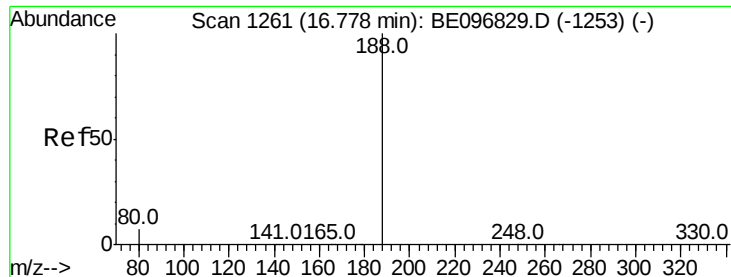
Tot Ion:154 Resp: 6009
Ion Ratio Lower Upper
154 100
153 112.9 89.2 133.8
152 63.9 42.0 63.0#



#18
Fluorene
Concen: 0.293 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:166 Resp: 6589
Ion Ratio Lower Upper
166 100
165 99.1 77.8 116.6
167 14.5 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampled :

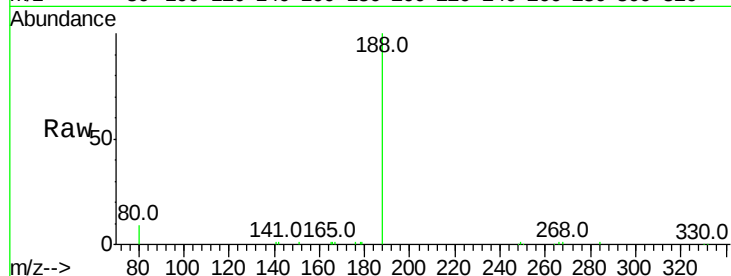
Tot Ion:188 Resp: 15074

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

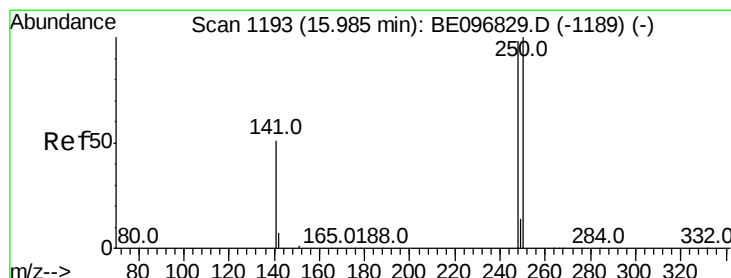
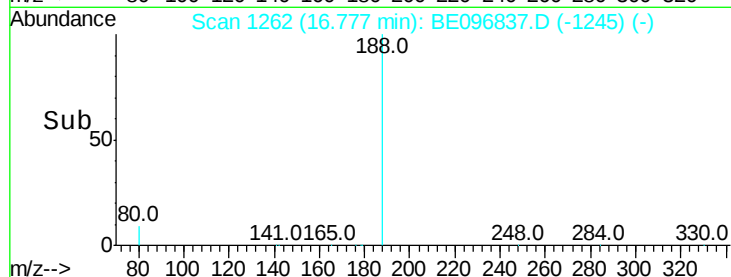
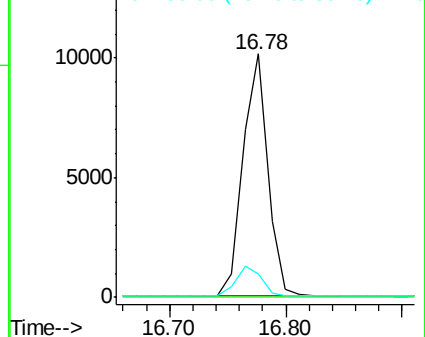
80 9.4 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.297 ng

RT: 15.98 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

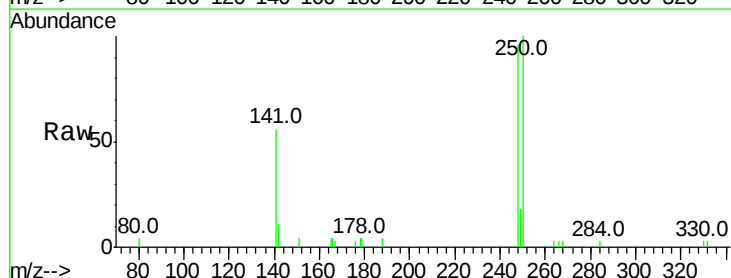
Tgt Ion:248 Resp: 2017

Ion Ratio Lower Upper

248 100

250 104.7 62.7 94.1#

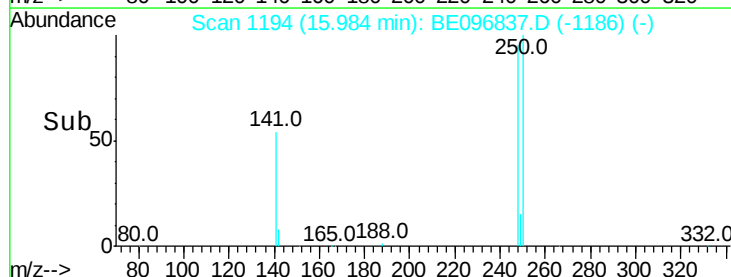
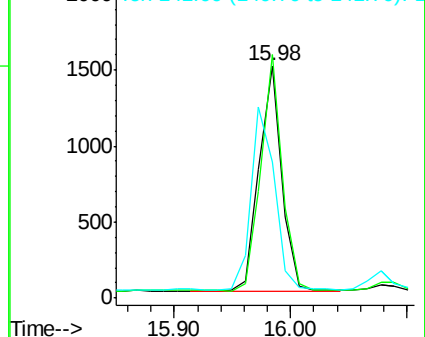
141 58.5 48.2 72.2

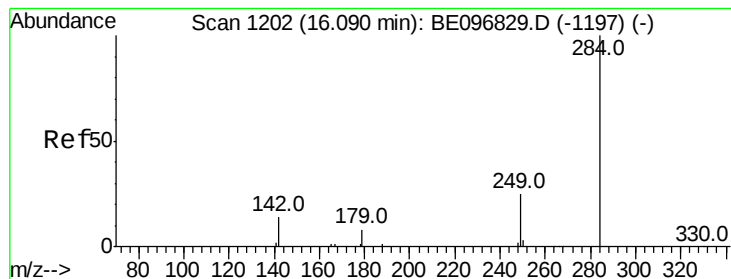


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.323 ng

RT: 16.09 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :

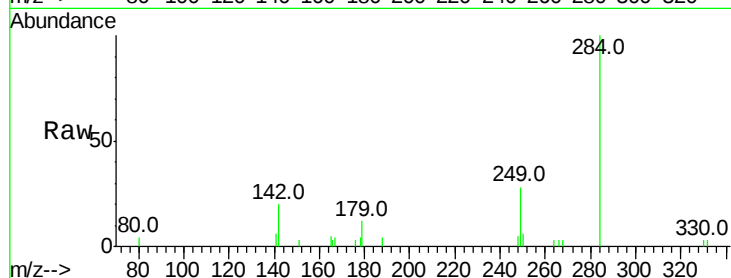
Tot Ion:284 Resp: 2500

Ion Ratio Lower Upper

284 100

142 38.1 22.1 33.1#

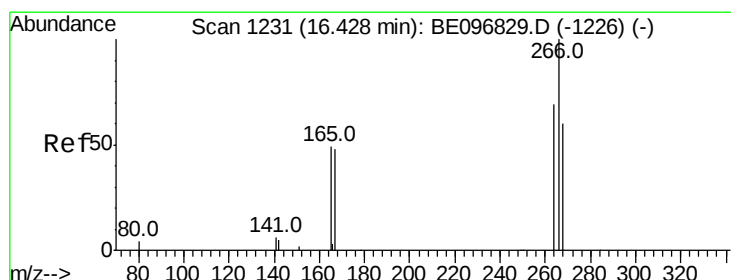
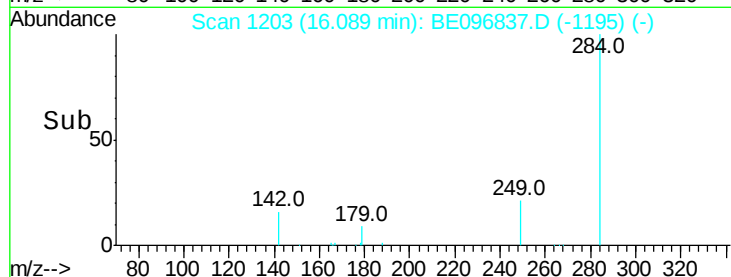
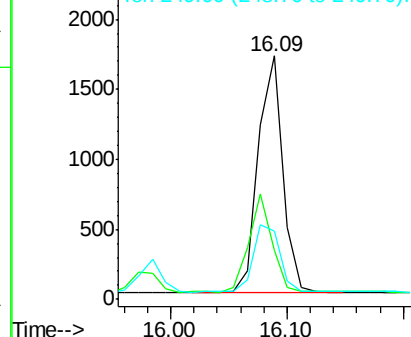
249 31.3 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.475 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

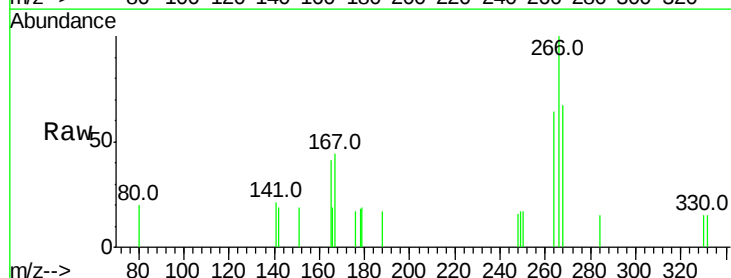
Tgt Ion:266 Resp: 566

Ion Ratio Lower Upper

266 100

264 64.4 72.5 108.7#

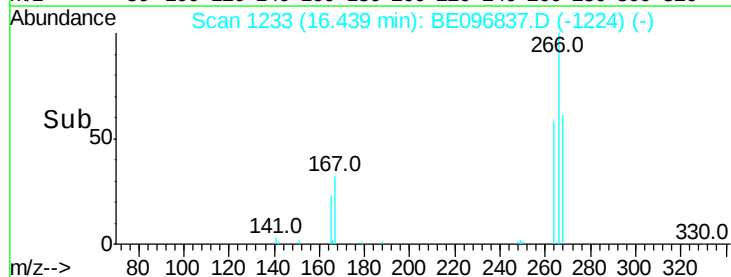
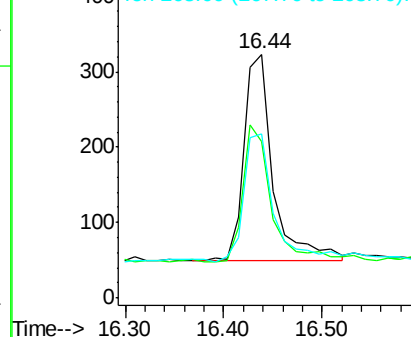
268 67.5 73.8 110.6#

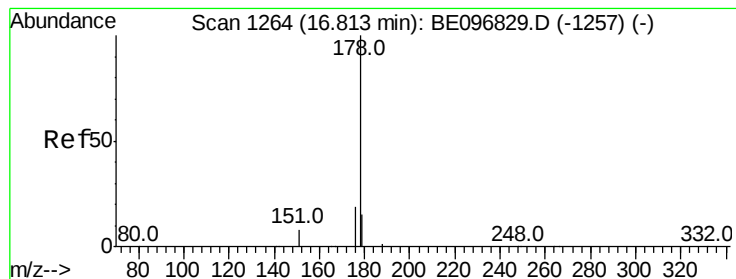


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.325 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :

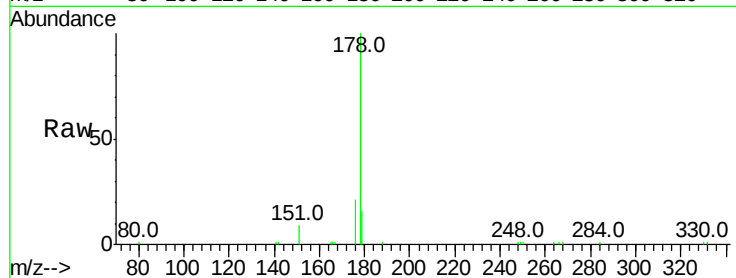
Tot Ion:178 Resp: 12035

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

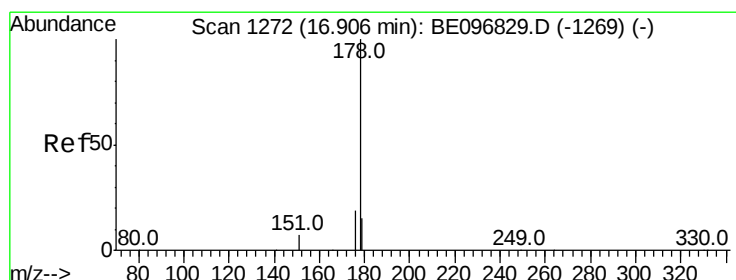
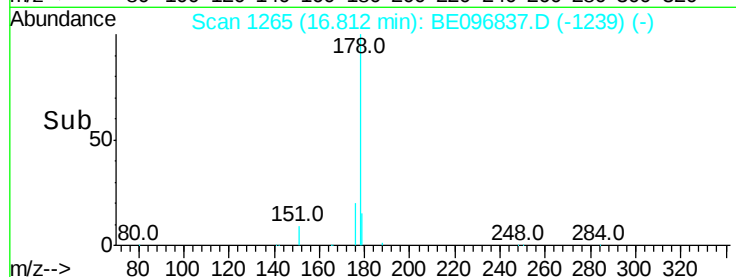
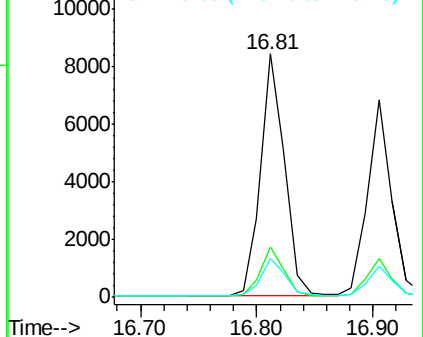
179 15.2 11.8 17.6



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: 0.316 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

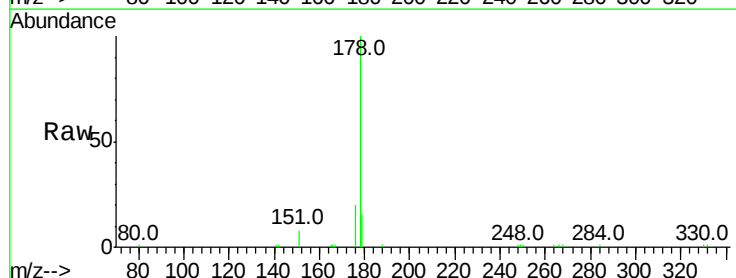
Tgt Ion:178 Resp: 9703

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

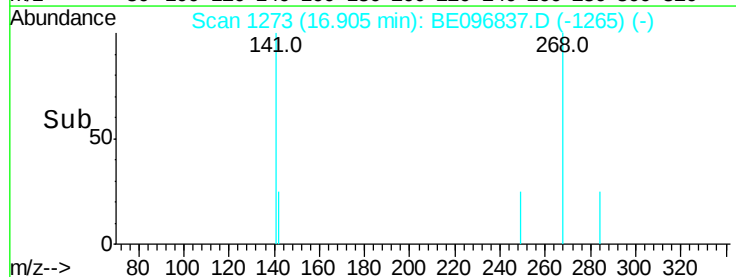
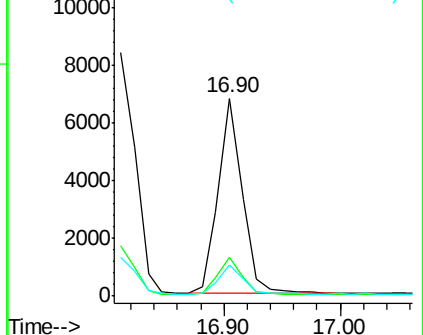
179 15.1 13.0 19.6



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: 0.302 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BE096837.D

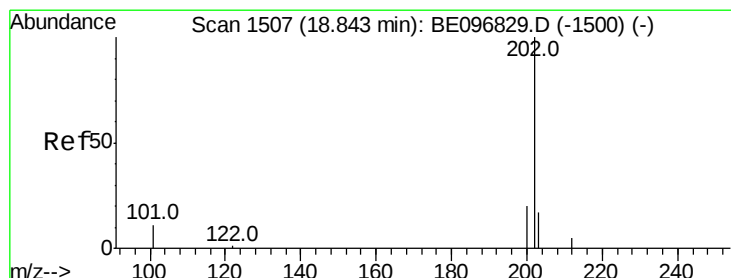
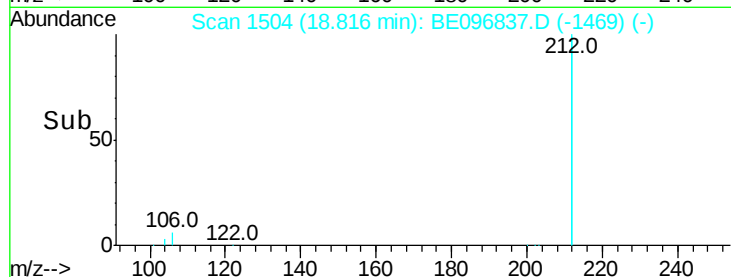
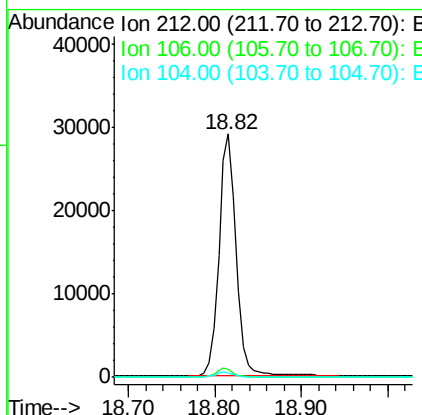
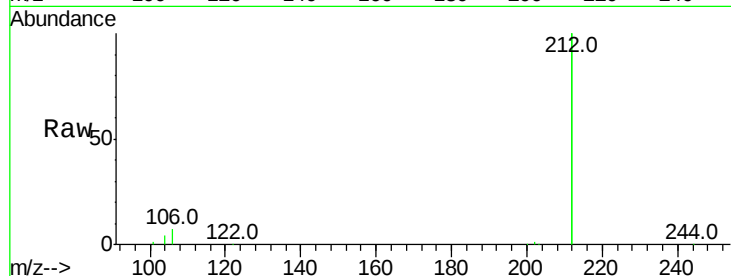
Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	40128
Ion Ratio	Lower	Upper
212	100	
106	3.4	2.8 4.2
104	1.9	1.6 2.4



#26

Fluoranthene

Concen: 0.345 ng

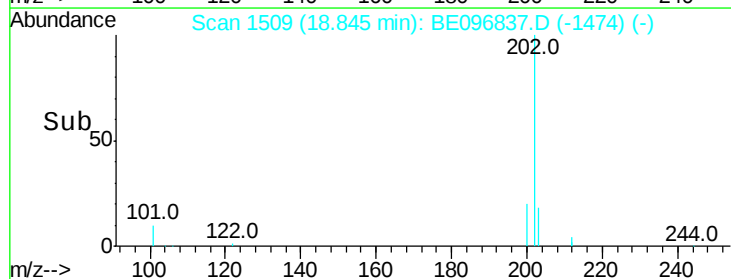
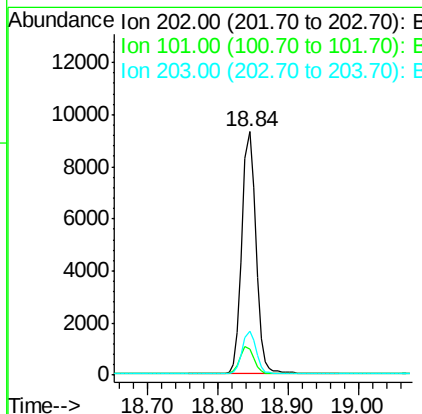
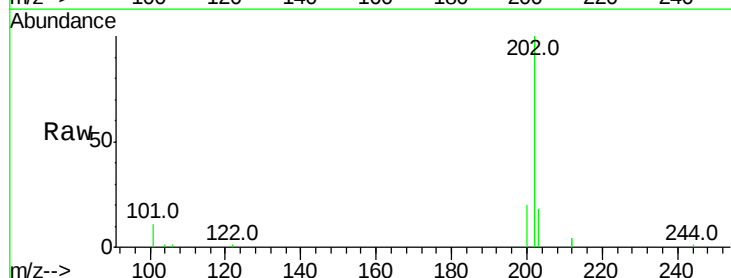
RT: 18.84 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Tgt Ion:202	Resp:	12925
Ion Ratio	Lower	Upper
202	100	
101	11.4	9.8 14.8
203	17.1	13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :

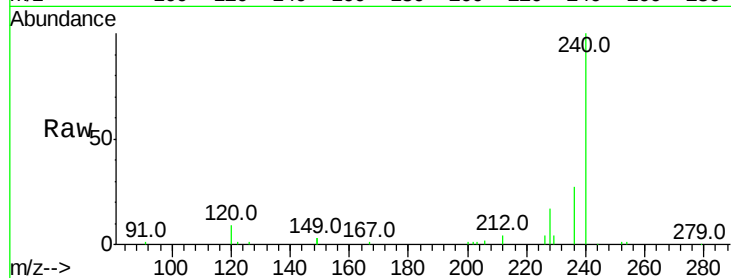
Tot Ion:240 Resp: 15831

Ion Ratio Lower Upper

240 100

120 8.7 5.5 8.3#

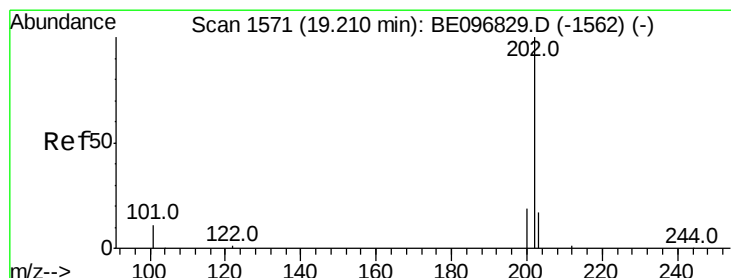
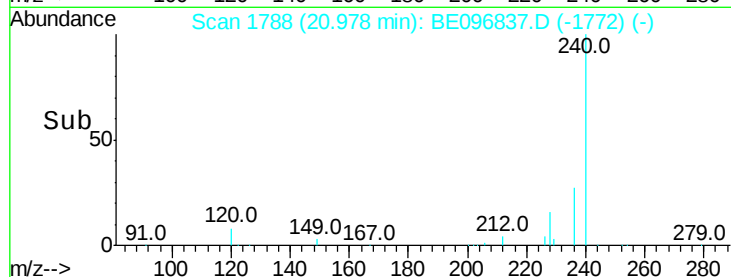
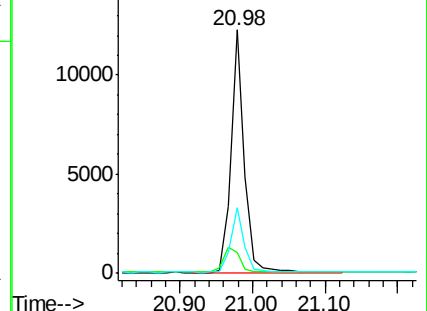
236 27.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.269 ng

RT: 19.21 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

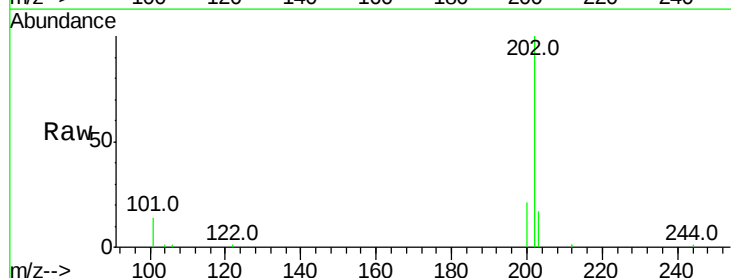
Tgt Ion:202 Resp: 12343

Ion Ratio Lower Upper

202 100

200 20.3 16.6 25.0

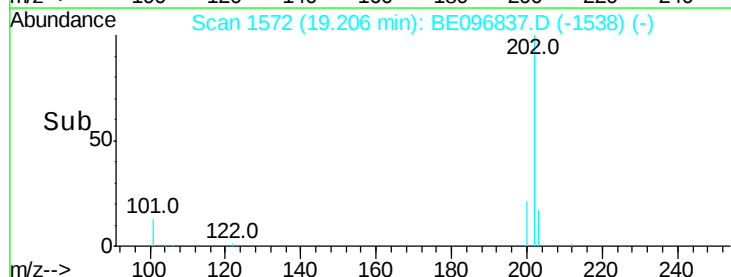
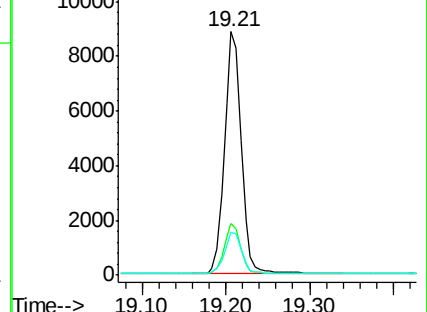
203 17.6 13.8 20.8

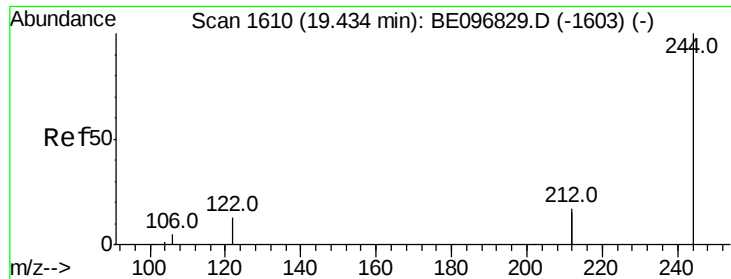


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.275 ng

RT: 19.44 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :

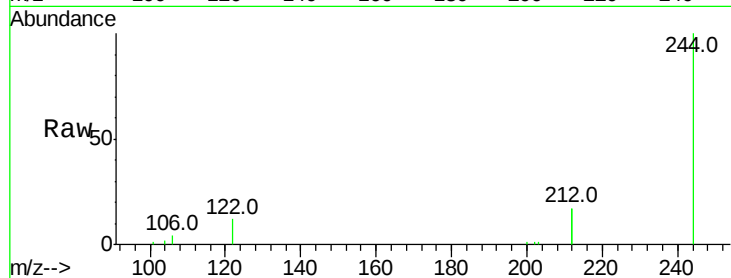
Tot Ion:244 Resp: 8392

Ion Ratio Lower Upper

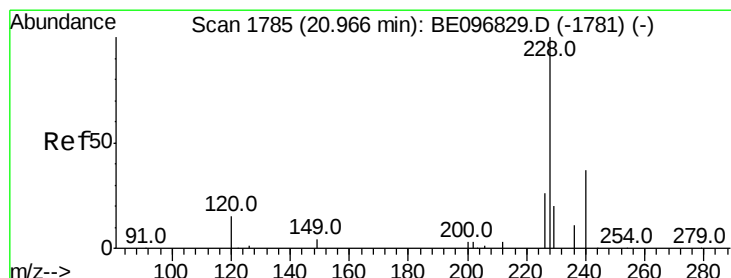
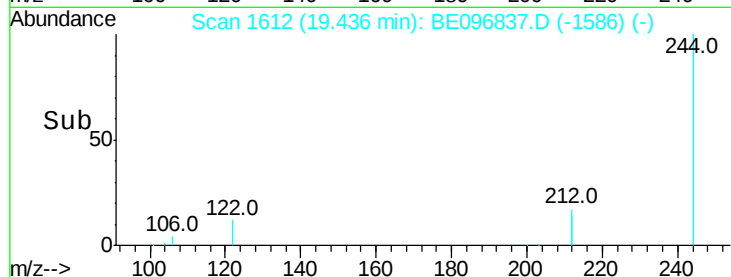
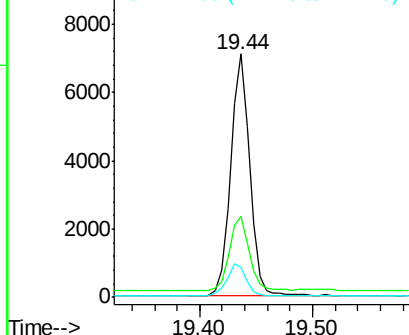
244 100

212 33.2 25.4 38.0

122 12.2 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: 0.315 ng

RT: 20.97 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

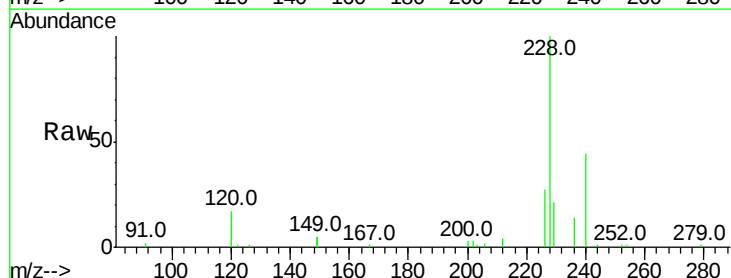
Tgt Ion:228 Resp: 11056

Ion Ratio Lower Upper

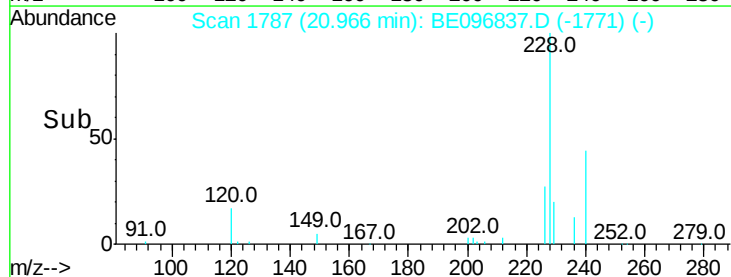
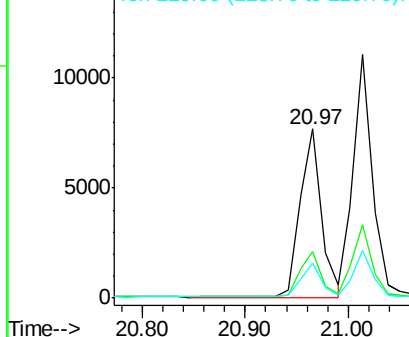
228 100

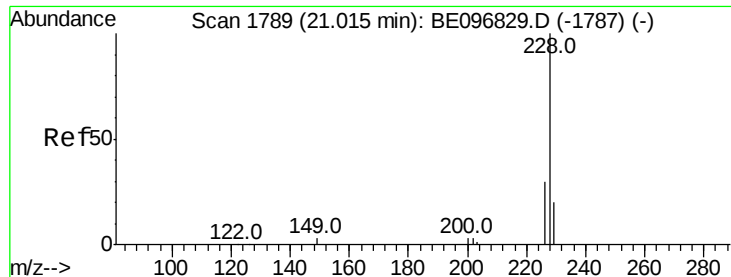
226 27.4 24.0 36.0

229 20.6 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: 0.328 ng

RT: 21.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :

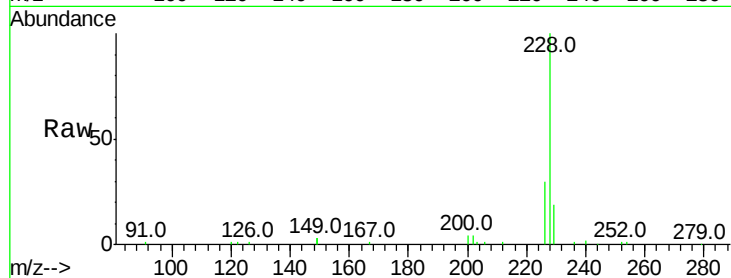
Tot Ion:228 Resp: 14208

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.5	16.0	24.0

228 100

226 30.1 24.0 36.0

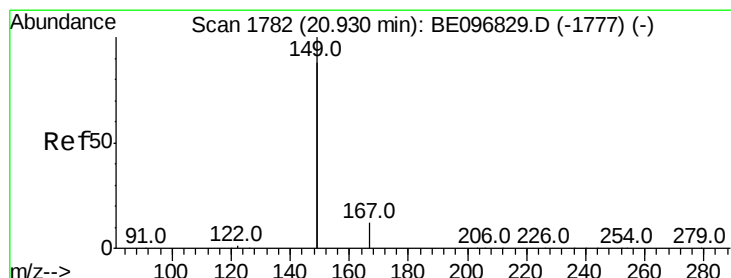
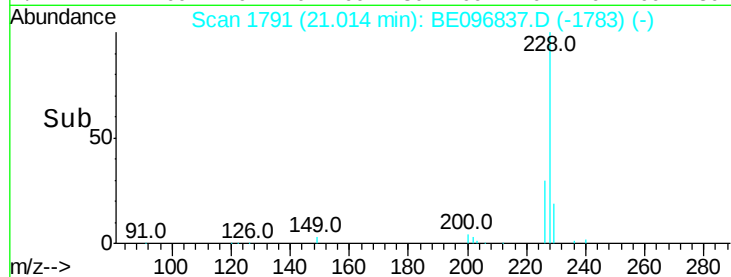
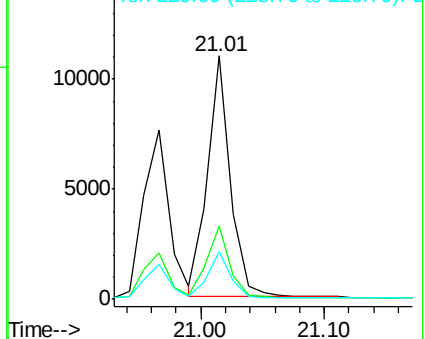
229 19.5 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.270 ng

RT: 20.93 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

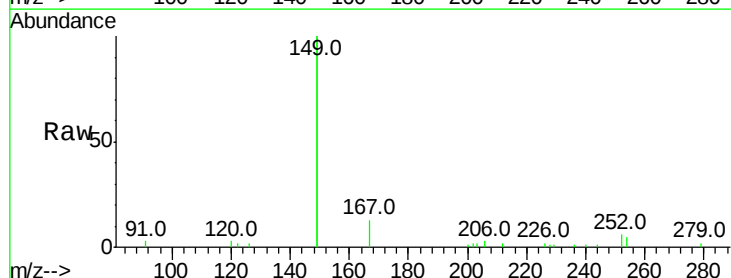
Tgt Ion:149 Resp: 8494

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	1.3	0.7	1.1#

149 100

167 6.4 5.4 8.0

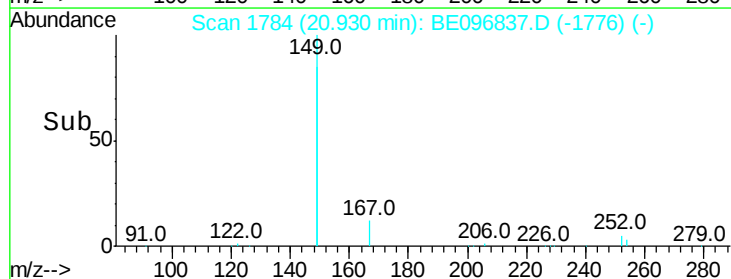
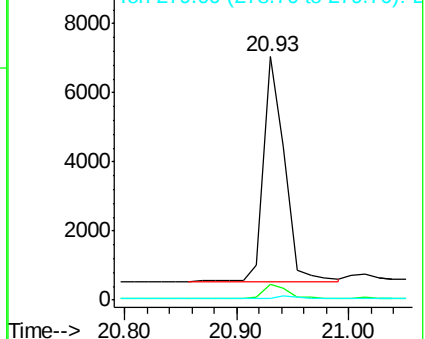
279 1.3 0.7 1.1#

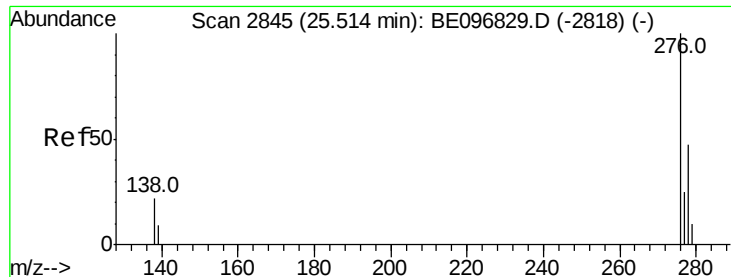


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

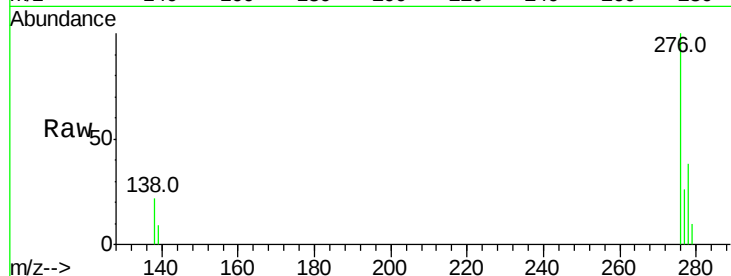




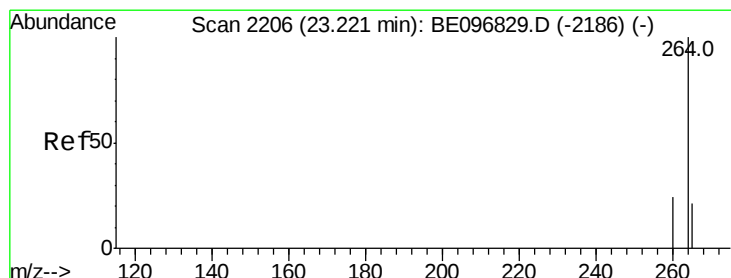
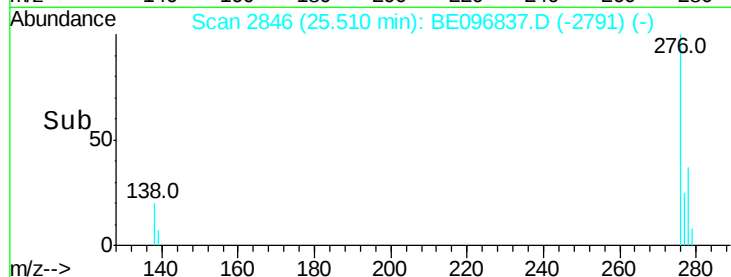
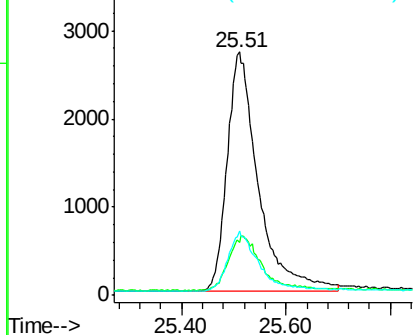
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.347 ng
 RT: 25.51 min Scan# 2846
 Delta R.T. -0.00 min
 Lab File: BE096837.D
 Acq: 21 Jun 2018 10:07

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 11190
 Ion Ratio Lower Upper
 276 100
 138 23.4 22.5 33.7
 277 24.0 19.9 29.9

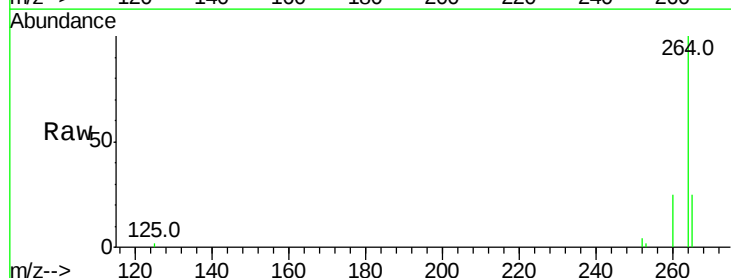


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

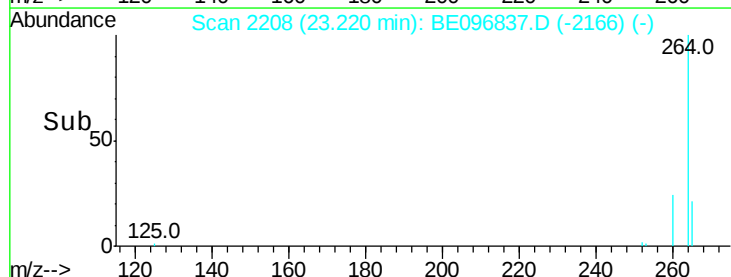
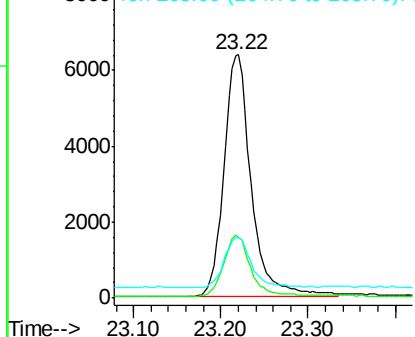


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.22 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE096837.D
 Acq: 21 Jun 2018 10:07

Tgt Ion:264 Resp: 13757
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.5 30.7
 265 24.8 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.316 ng

RT: 22.54 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :

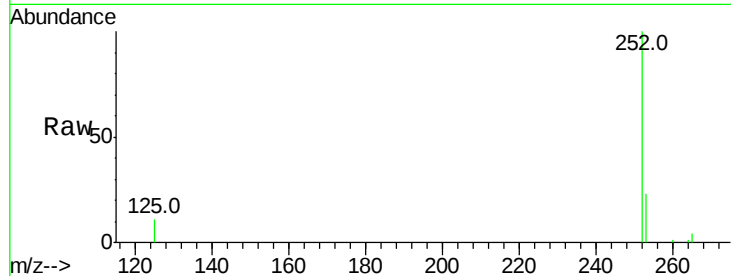
Tot Ion:252 Resp: 11861

Ion Ratio Lower Upper

252 100

253 23.0 20.0 30.0

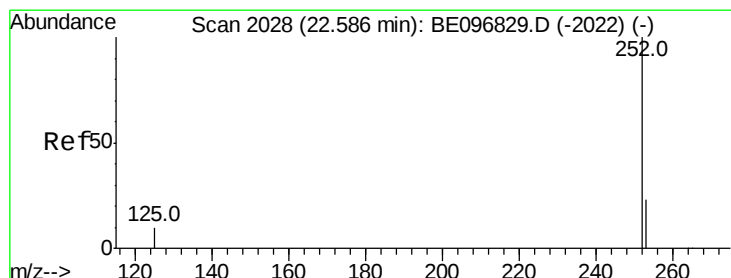
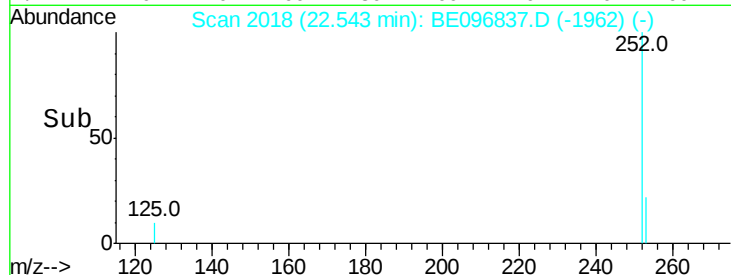
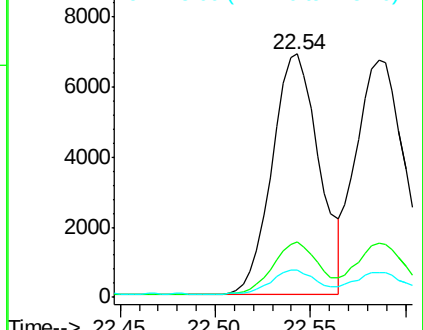
125 11.2 16.0 24.0#



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: 0.325 ng

RT: 22.59 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

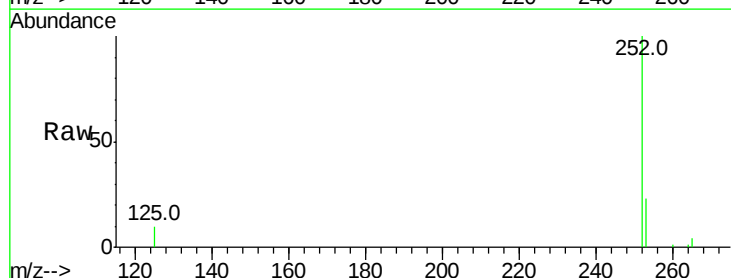
Tgt Ion:252 Resp: 12710

Ion Ratio Lower Upper

252 100

253 23.1 16.0 24.0

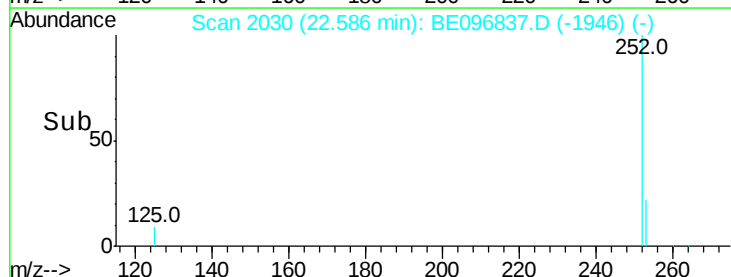
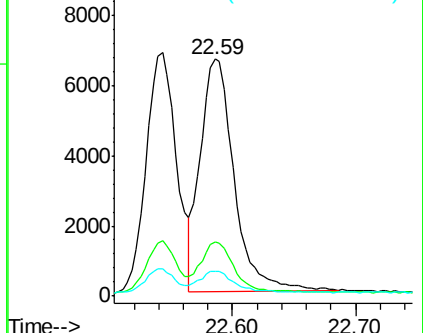
125 10.4 8.0 12.0

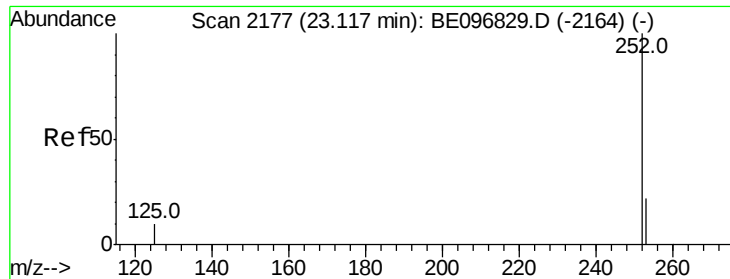


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.315 ng

RT: 23.12 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :

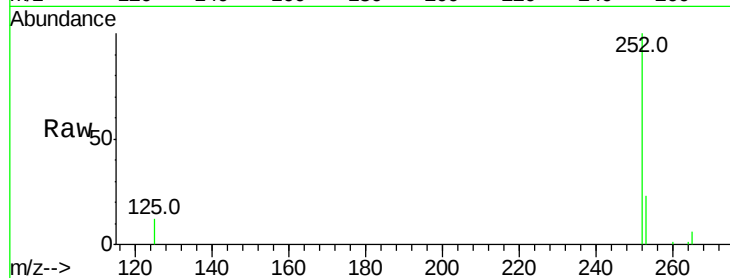
Tot Ion:252 Resp: 9405

Ion Ratio Lower Upper

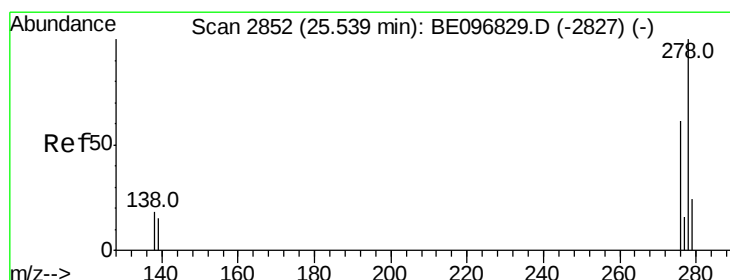
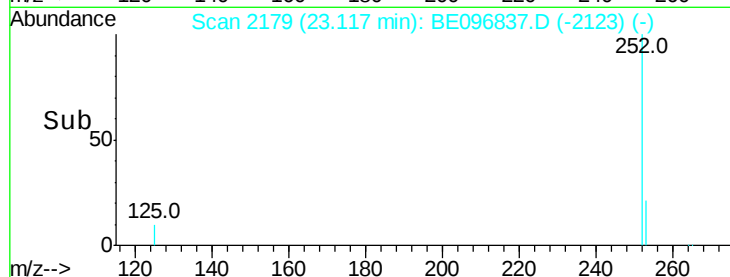
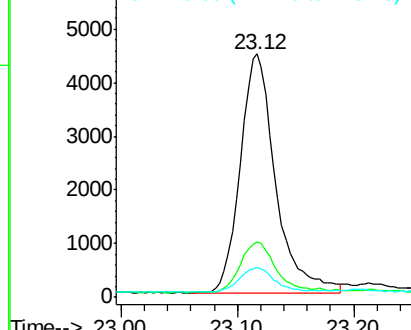
252 100

253 22.8 16.0 24.0

125 12.4 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: 0.337 ng

RT: 25.54 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

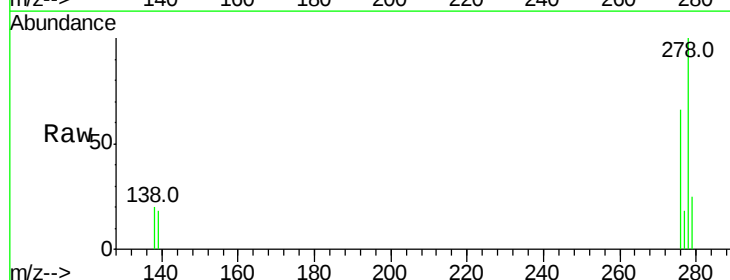
Tgt Ion:278 Resp: 9173

Ion Ratio Lower Upper

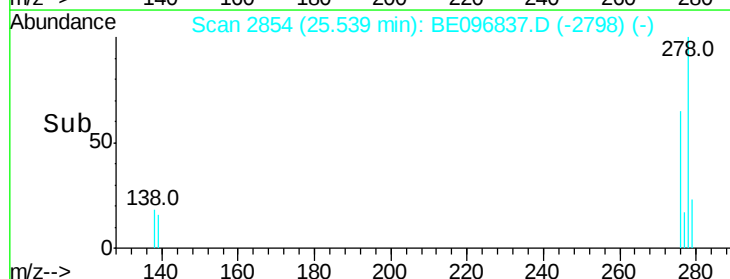
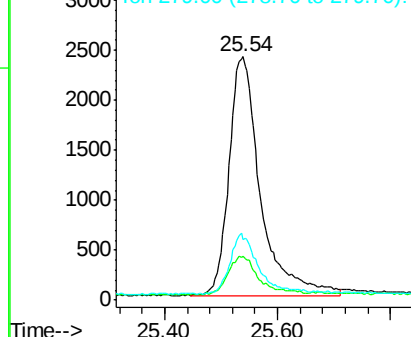
278 100

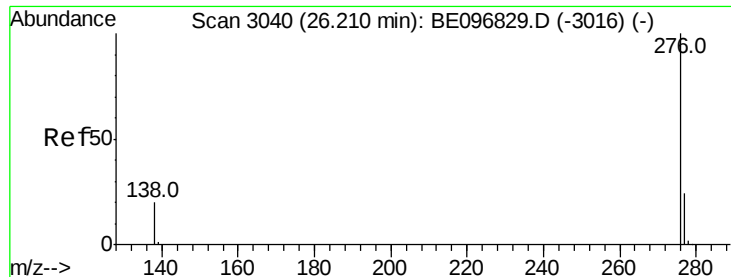
139 18.2 16.0 24.0

279 25.1 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: 0.313 ng

RT: 26.21 min Scan# 3041

Delta R.T. -0.00 min

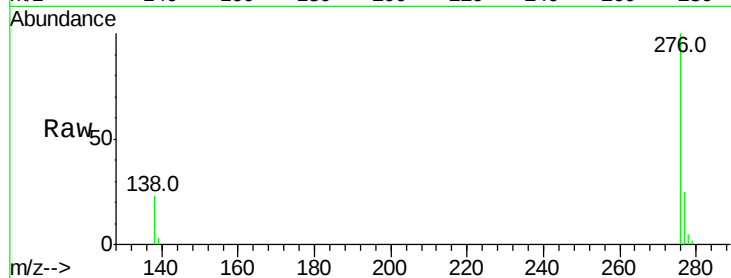
Lab File: BE096837.D

Acq: 21 Jun 2018 10:07

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 10426

Ion Ratio Lower Upper

276 100

277 25.4 16.0 24.0#

138 22.9 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

