

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062618\
 Data File : BE096844.D
 Acq On : 26 Jun 2018 9:54
 Operator : SJ/JU
 Sample : PB110591BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 27 02:25:36 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	3978	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	16195	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6562	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	14548	0.40	ng	0.00
27) Chrysene-d12	20.98	240	14810	0.40	ng	0.00
34) Perylene-d12	23.21	264	13309	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	2822	0.32	ng	0.01
5) Phenol-d6	6.59	99	3557	0.27	ng	0.00
8) Nitrobenzene-d5	8.53	82	3280	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	8885	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	301	0.30	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	10058	0.42	ng	0.00
25) Fluoranthene-d10	18.81	212	46664	0.36	ng	0.00
29) Terphenyl-d14	19.44	244	12222	0.43	ng	0.00

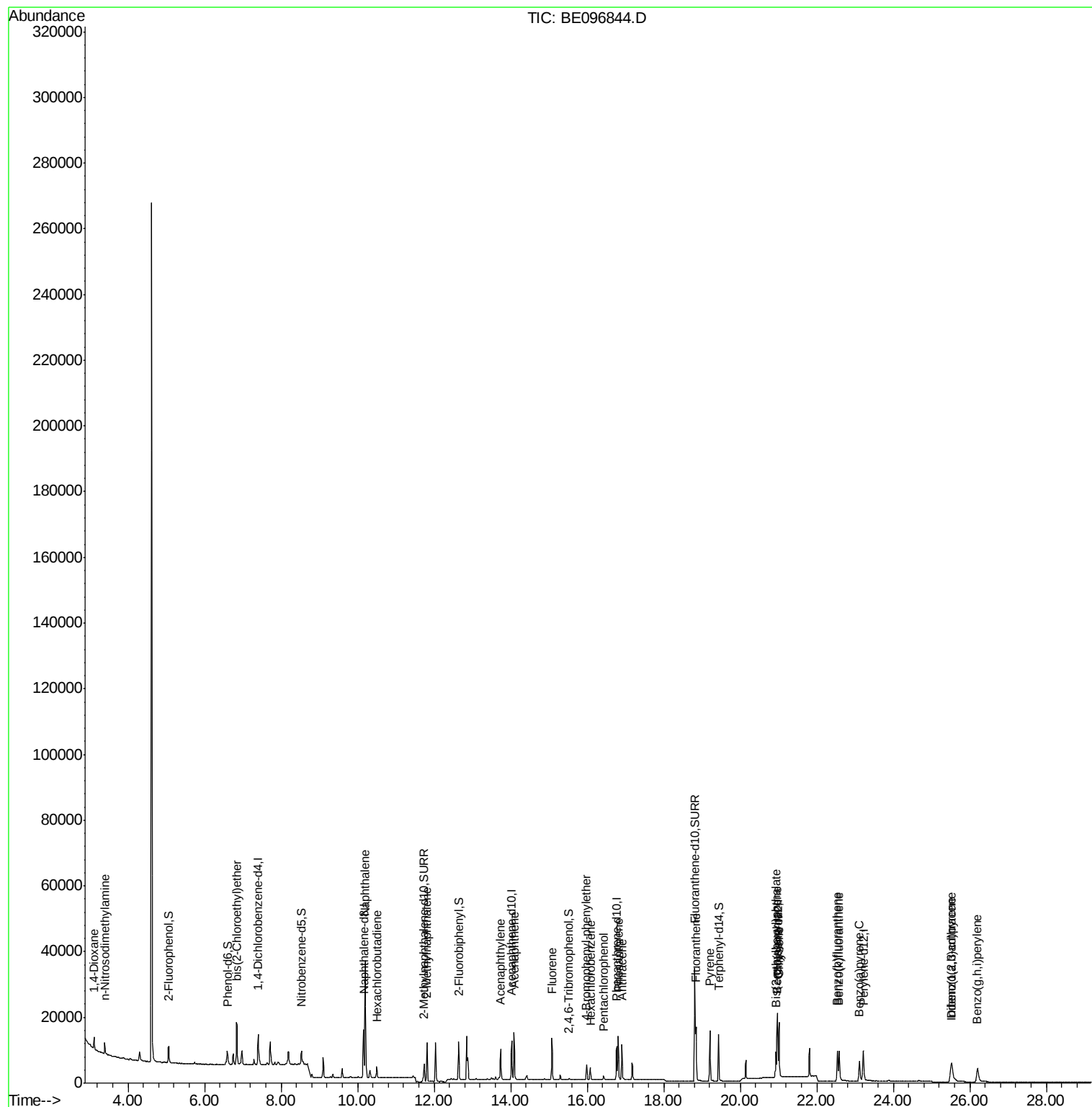
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.11	88	1747	0.293	ng	# 90
3) n-Nitrosodimethylamine	3.38	42	2503	0.396	ng	# 82
6) bis(2-Chloroethyl)ether	6.85	93	4572	0.314	ng	97
9) Naphthalene	10.20	128	54581	0.371	ng	99
10) Hexachlorobutadiene	10.50	225	2119	0.346	ng	98
12) 2-Methylnaphthalene	11.81	142	8343	0.342	ng	100
16) Acenaphthylene	13.74	152	9893	0.348	ng	99
17) Acenaphthene	14.08	154	6641	0.353	ng	# 92
18) Fluorene	15.08	166	7292	0.330	ng	# 81
20) 4-Bromophenyl-phenylether	15.98	248	2245	0.342	ng	# 82
21) Hexachlorobenzene	16.09	284	2813	0.376	ng	# 80
22) Pentachlorophenol	16.43	266	610	0.519	ng	# 73
23) Phenanthrene	16.81	178	13385	0.374	ng	99
24) Anthracene	16.90	178	10889	0.368	ng	96
26) Fluoranthene	18.84	202	14689	0.406	ng	99
28) Pyrene	19.21	202	14088	0.329	ng	99
30) Benzo(a)anthracene	20.95	228	12110	0.369	ng	99
31) Chrysene	21.02	228	15182	0.375	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	8117	0.276	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.50	276	11215	0.372	ng	# 93
35) Benzo(b)fluoranthene	22.54	252	12027	0.331	ng	# 88
36) Benzo(k)fluoranthene	22.58	252	14094	0.360	ng	96
37) Benzo(a)pyrene	23.11	252	10134	0.351	ng	93
38) Dibenzo(a,h)anthracene	25.53	278	9176	0.345	ng	96
39) Benzo(g,h,i)perylene	26.20	276	10822	0.336	ng	# 91

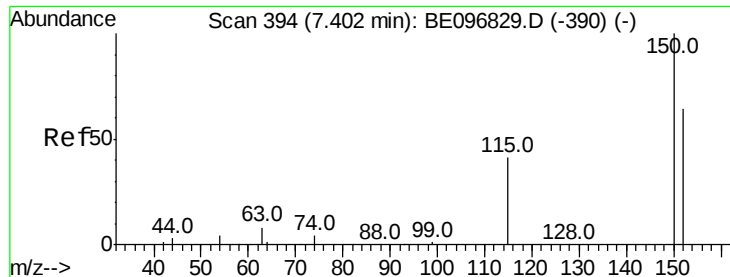
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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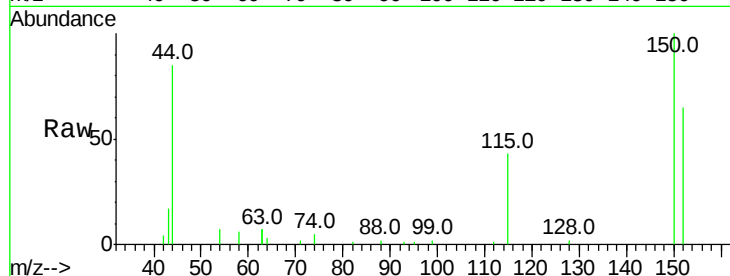


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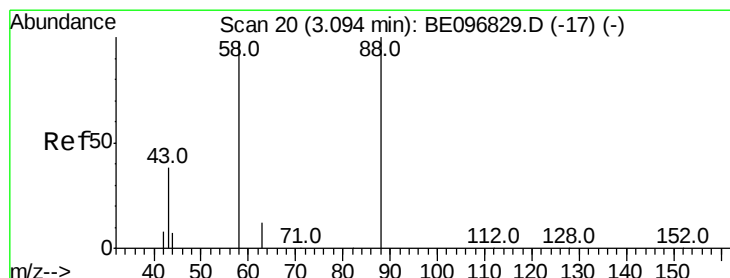
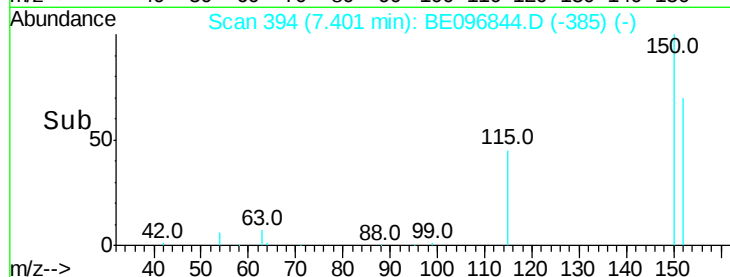
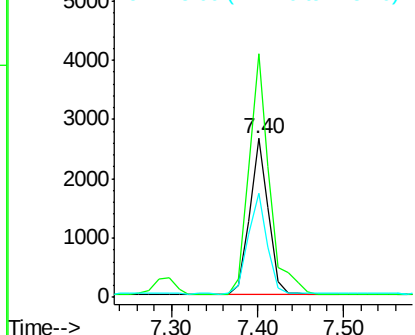
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3978
Ion Ratio Lower Upper
152 100
150 153.2 117.2 175.8
115 65.7 57.0 85.6



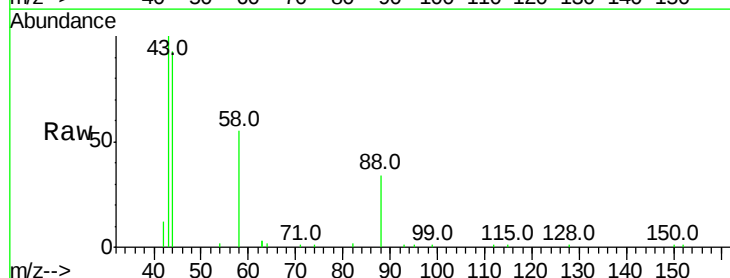
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



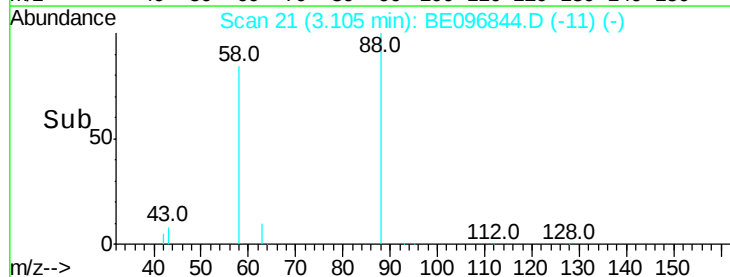
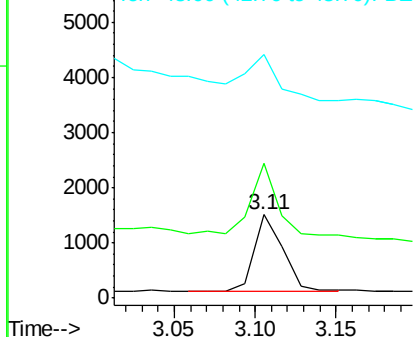
#2

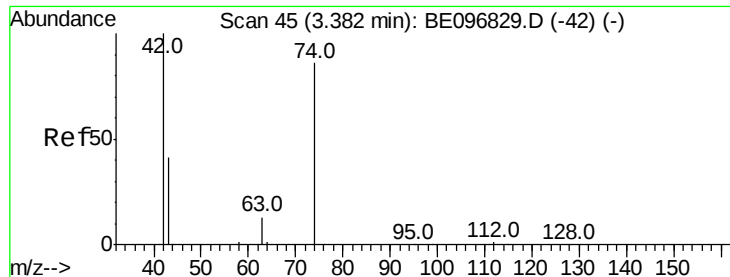
1,4-Dioxane
Concen: 0.293 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion: 88 Resp: 1747
Ion Ratio Lower Upper
88 100
58 81.2 63.2 94.8
43 65.7 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



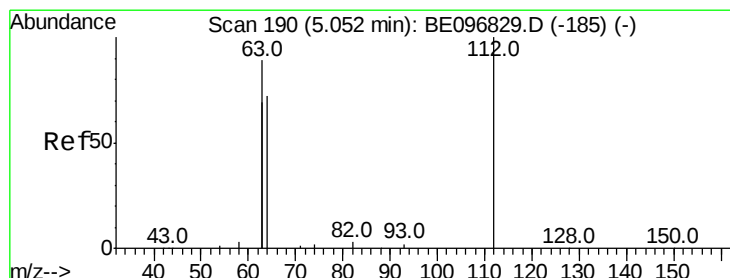
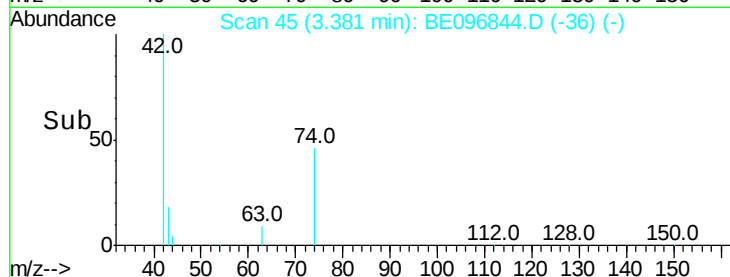
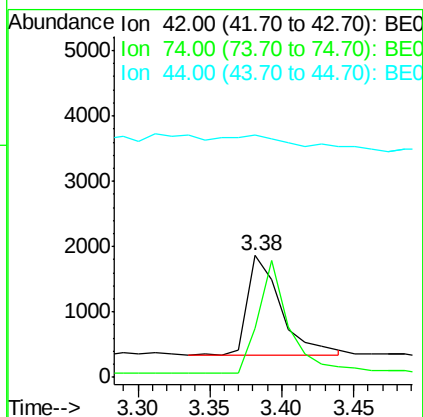
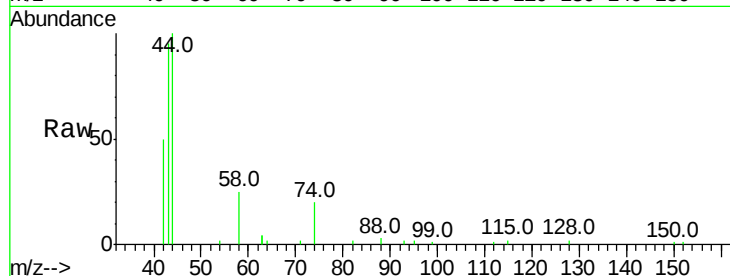


#3

n-Nitrosodimethylamine
 Concen: 0.396 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

Instrument :
 BNA_E
 ClientSampled :

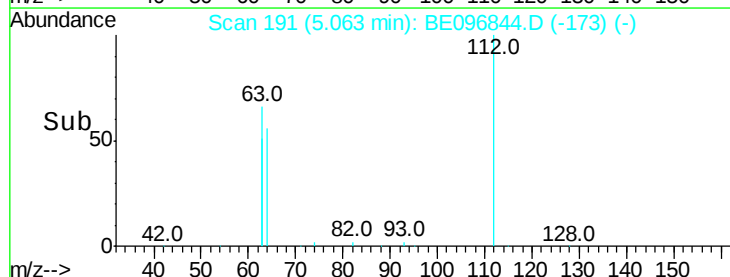
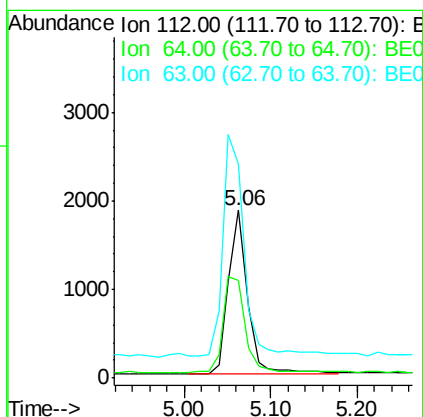
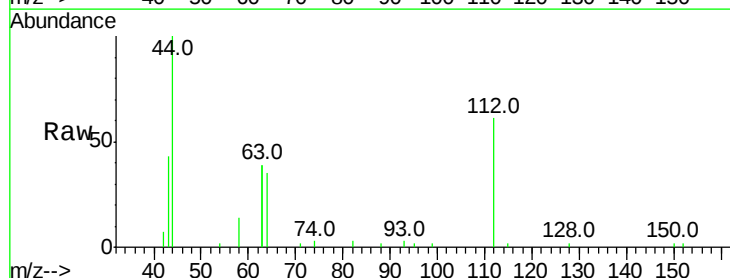
Tot Ion	Ratio	Lower	Upper
42	100		
74	102.0	96.0	144.0
44	0.0	12.0	18.0#

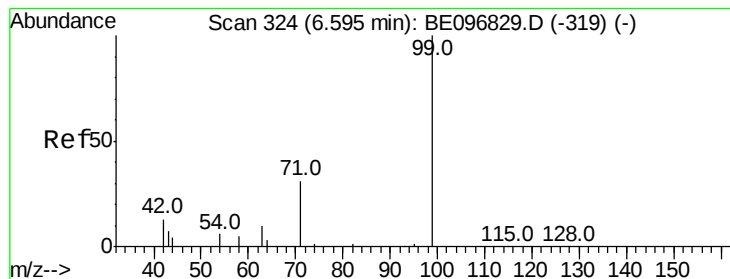


#4

2-Fluorophenol
 Concen: 0.317 ng
 RT: 5.06 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	60.1	90.1
63	152.9	116.8	175.2





#5

Phenol-d6

Concen: 0.268 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

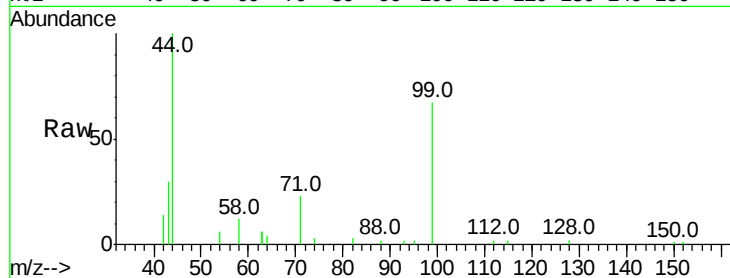
Tot Ion: 99 Resp: 3557

Ion Ratio Lower Upper

99 100

42 24.0 20.2 30.2

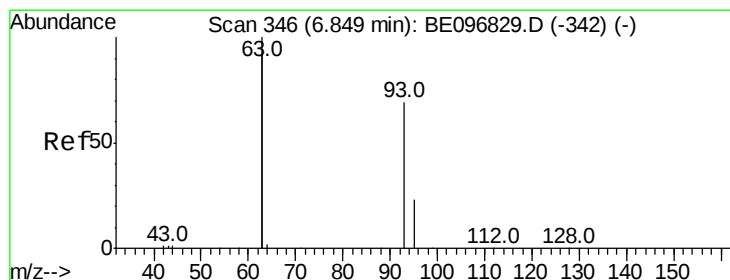
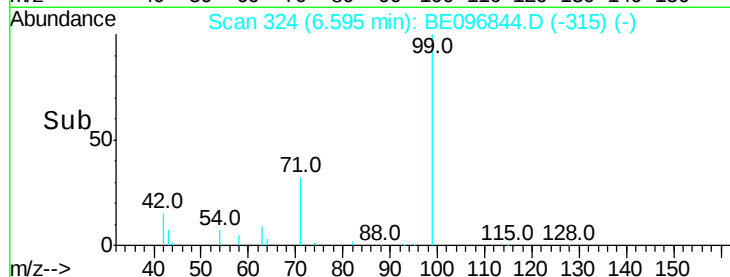
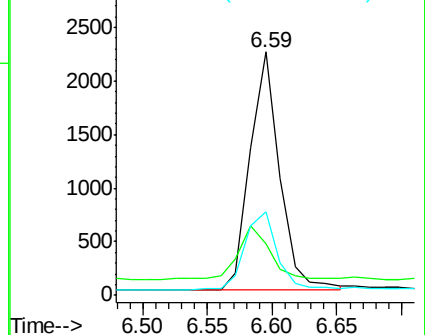
71 35.1 28.4 42.6



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: 0.314 ng

RT: 6.85 min Scan# 346

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

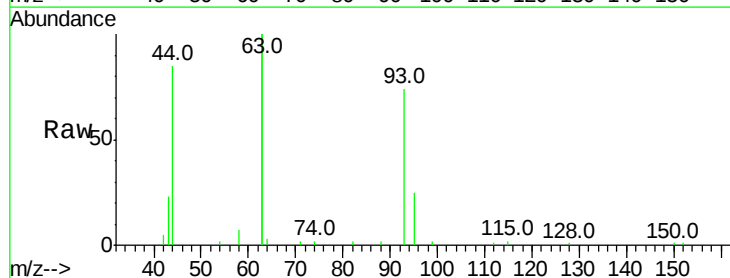
Tgt Ion: 93 Resp: 4572

Ion Ratio Lower Upper

93 100

63 338.1 275.3 412.9

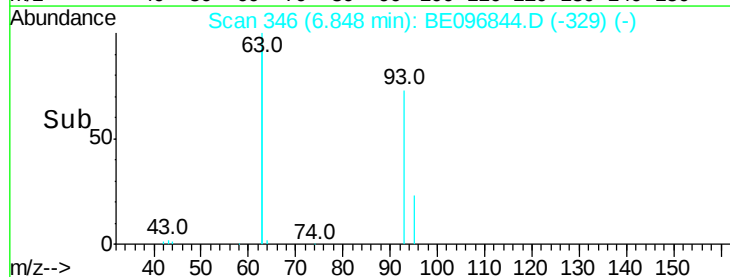
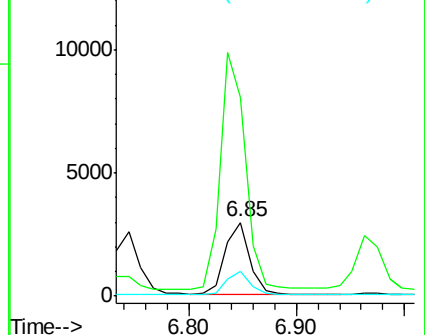
95 32.1 25.2 37.8

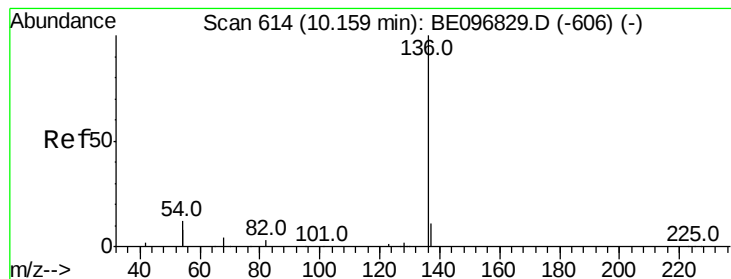


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 16195

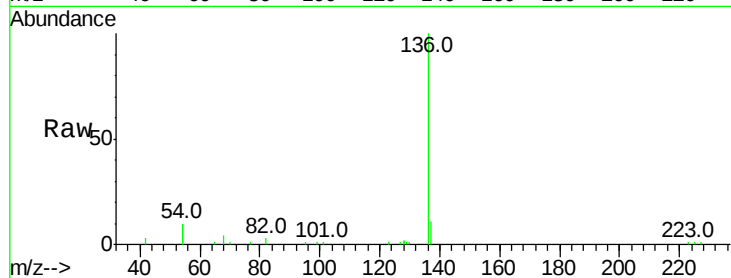
Ion Ratio Lower Upper

136 100

137 10.6 9.5 14.3

54 20.2 29.1 43.7#

68 4.3 6.2 9.2#

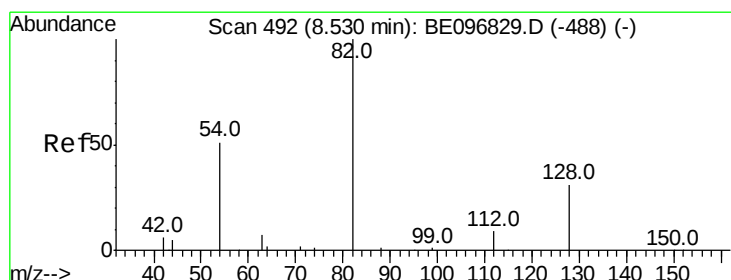
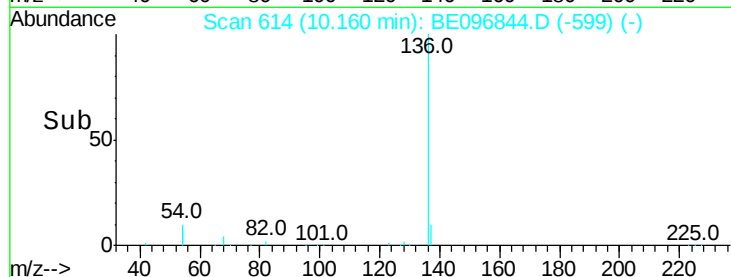
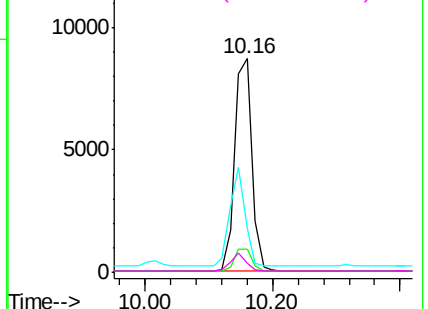


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.334 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

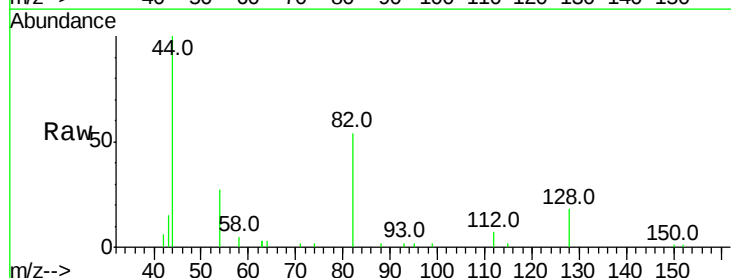
Tgt Ion: 82 Resp: 3280

Ion Ratio Lower Upper

82 100

128 32.5 24.0 36.0

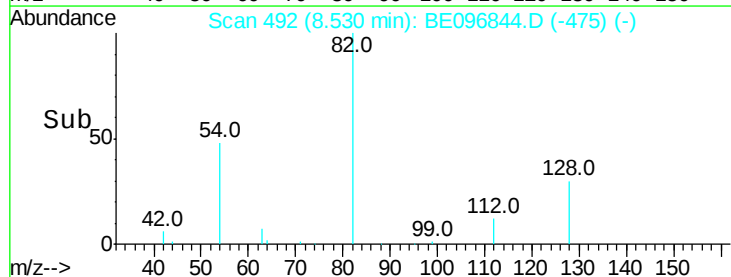
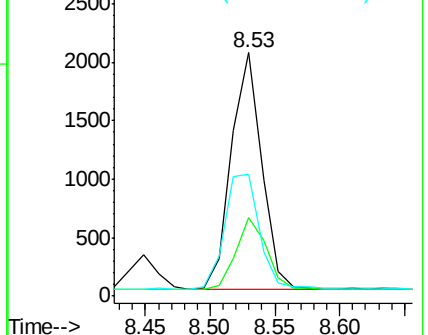
54 50.0 40.0 60.0

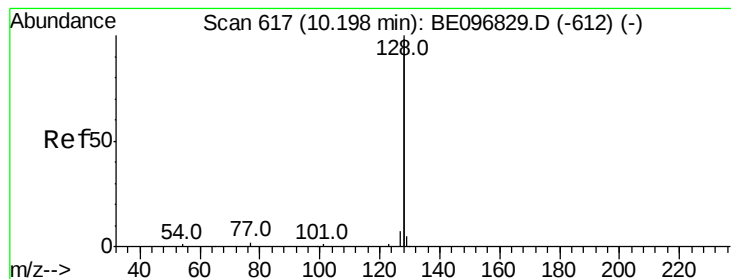


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.371 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

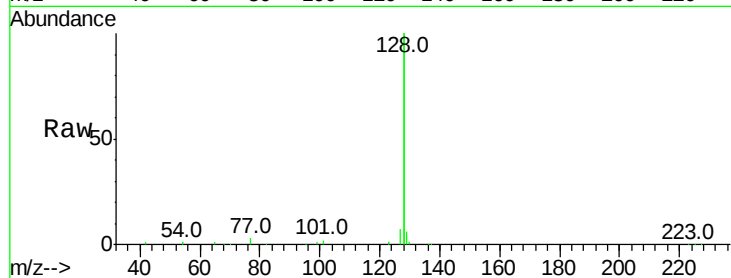
Tot Ion:128 Resp: 54581

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

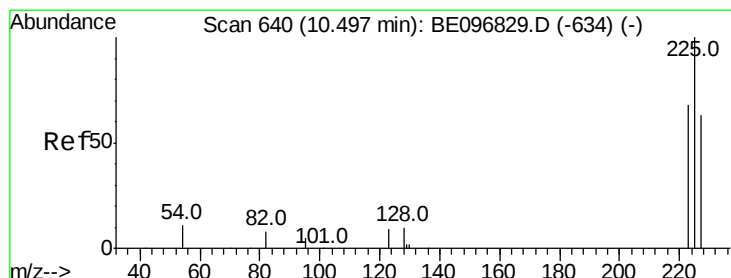
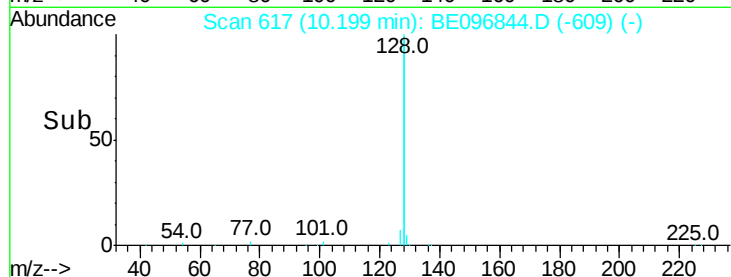
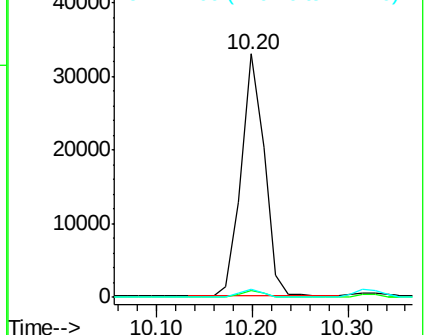
127 3.4 2.8 4.2



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: 0.346 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

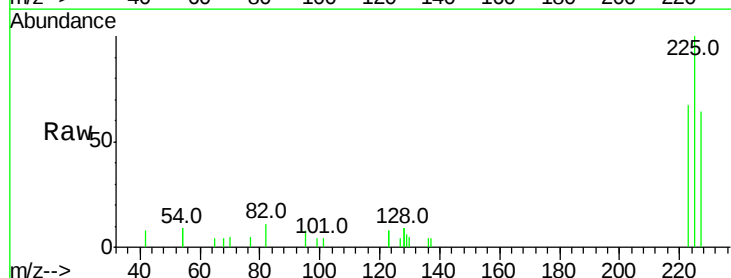
Tgt Ion:225 Resp: 2119

Ion Ratio Lower Upper

225 100

223 63.8 53.0 79.6

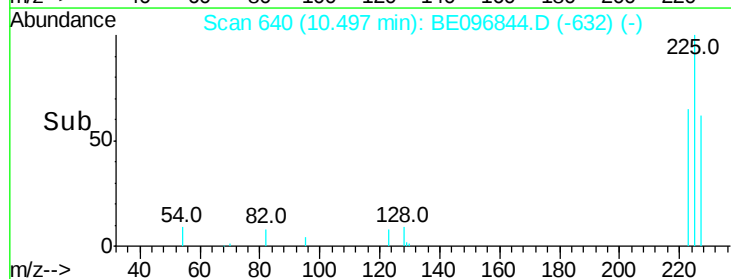
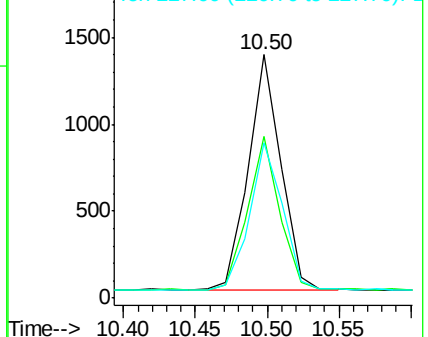
227 63.4 51.4 77.2

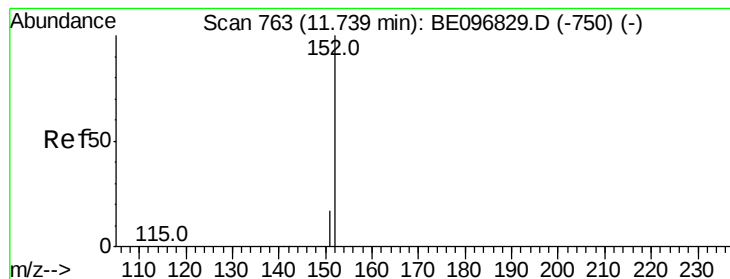


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

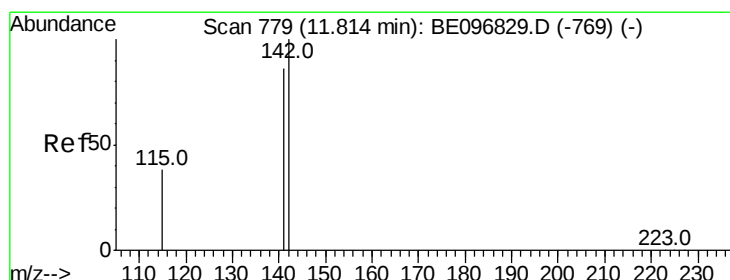
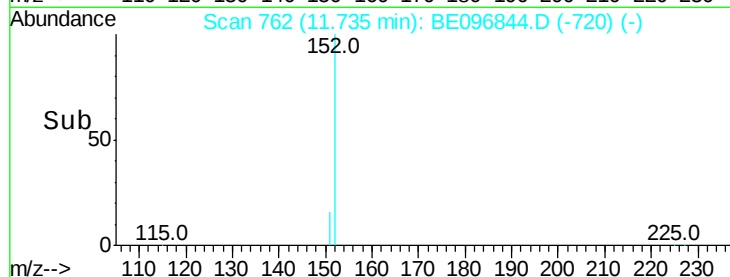
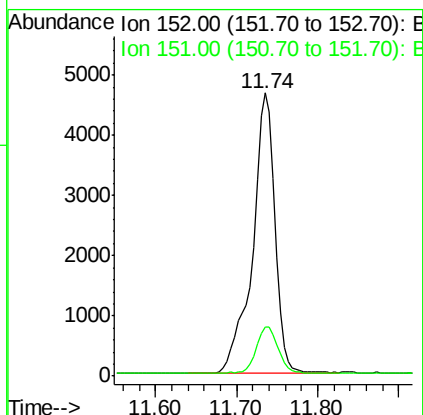
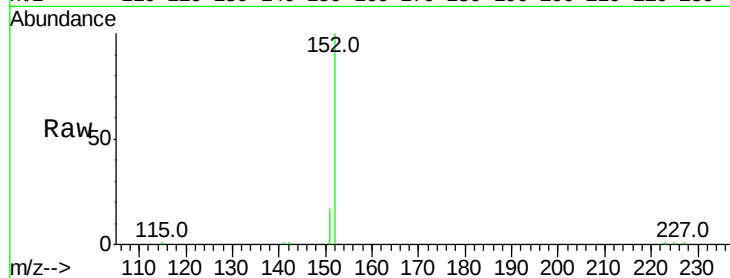




#11
 2-Methylnaphthalene-d10
 Concen: 0.381 ng
 RT: 11.74 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

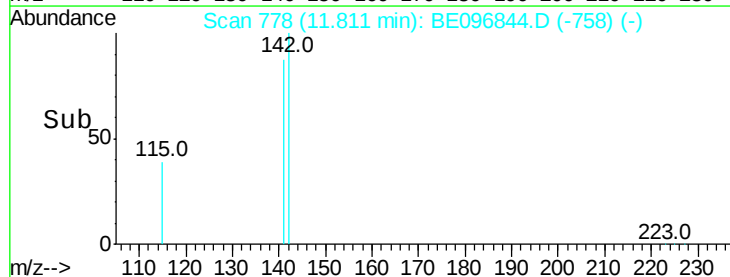
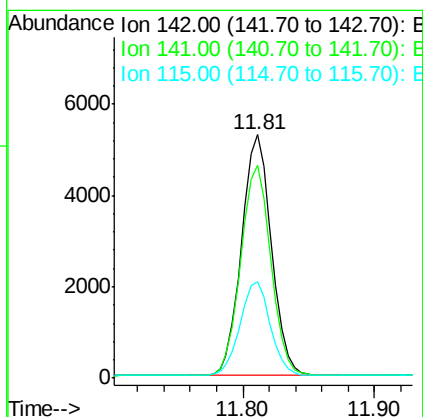
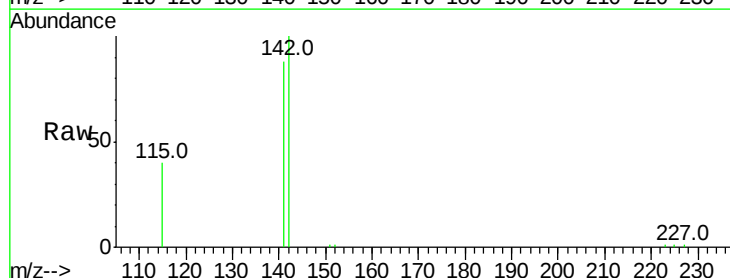
Instrument :
 BNA_E
 ClientSampled :

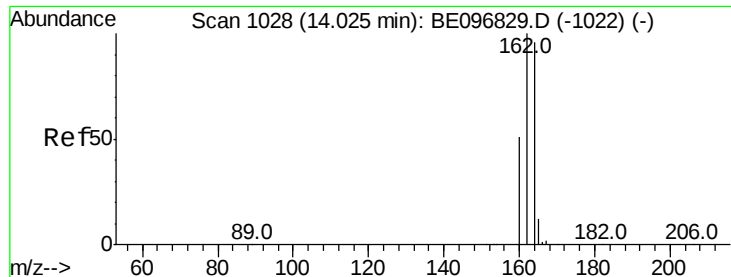
Tot Ion:152 Resp: 8885
 Ion Ratio Lower Upper
 152 100
 151 16.2 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.342 ng
 RT: 11.81 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

Tgt Ion:142 Resp: 8343
 Ion Ratio Lower Upper
 142 100
 141 87.5 70.4 105.6
 115 39.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

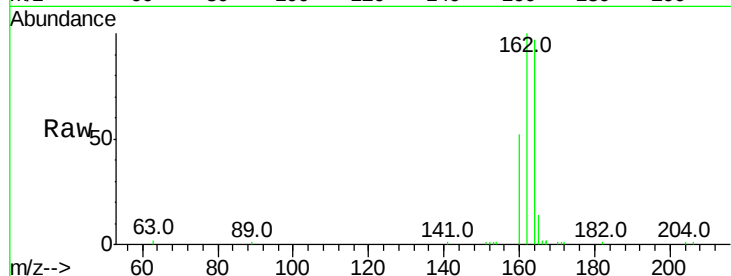
Tot Ion:164 Resp: 6562

Ion Ratio Lower Upper

164 100

162 102.8 83.1 124.7

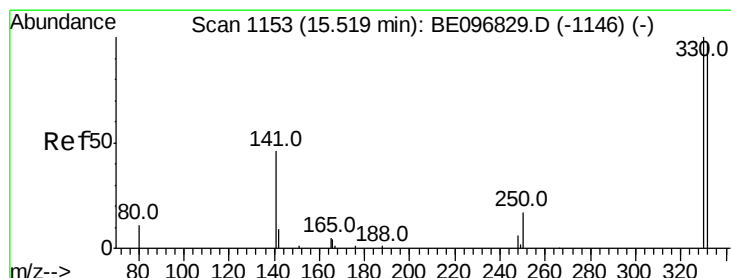
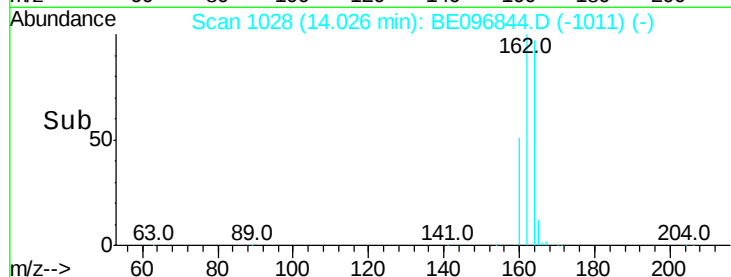
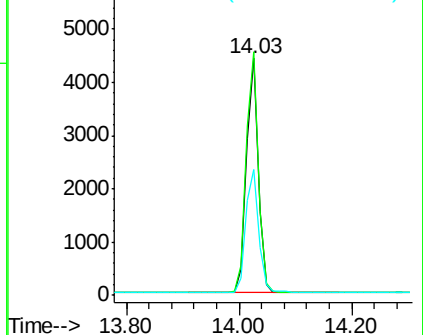
160 53.2 37.1 55.7



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: 0.296 ng

RT: 15.52 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

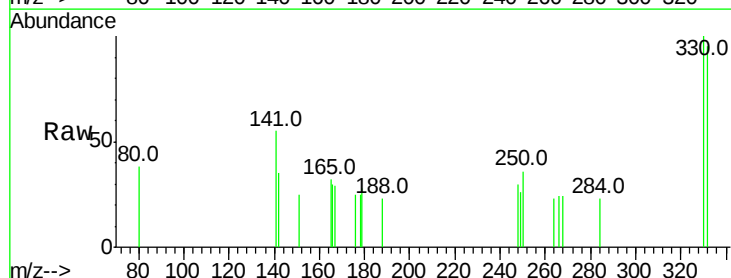
Tgt Ion:330 Resp: 301

Ion Ratio Lower Upper

330 100

332 98.7 152.7 229.1#

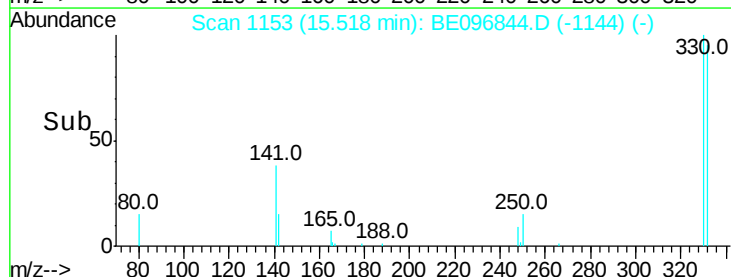
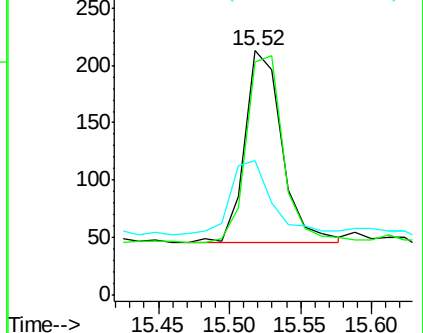
141 44.2 33.7 50.5

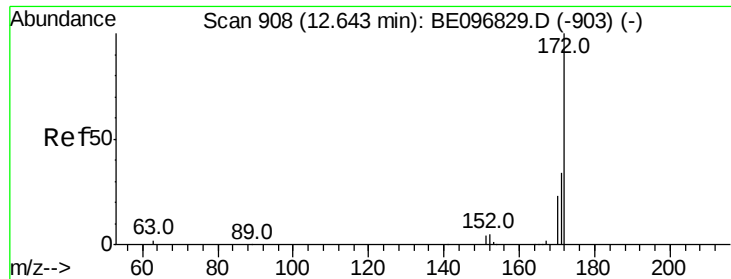


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

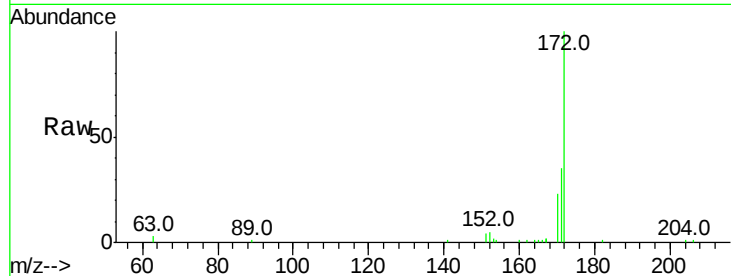




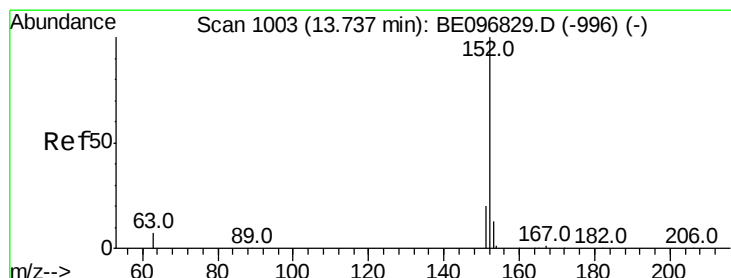
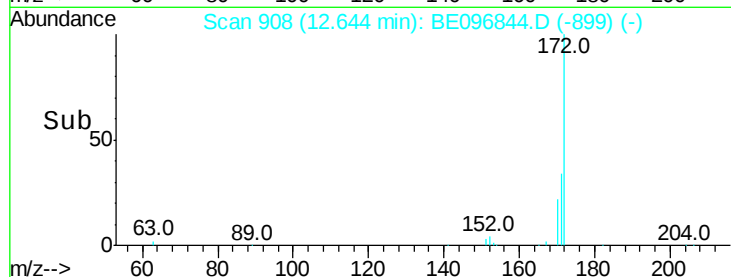
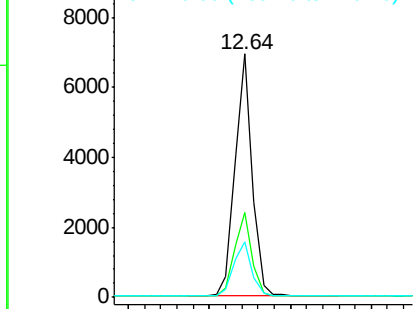
#15
2-Fluorobiphenyl
Concen: 0.419 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 10058
Ion Ratio Lower Upper
172 100
171 34.7 29.9 44.9
170 23.0 21.8 32.8

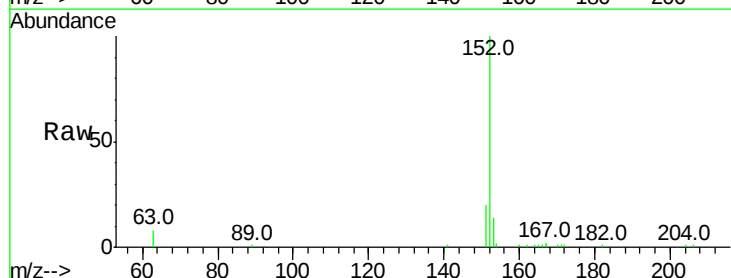


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

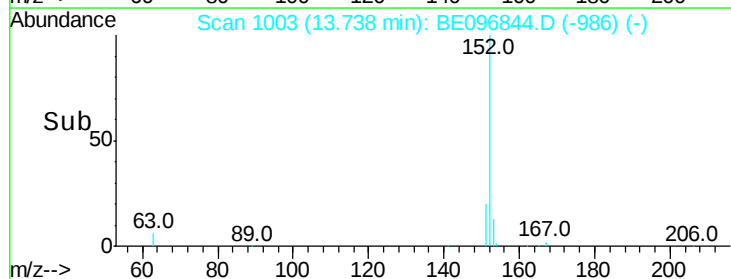
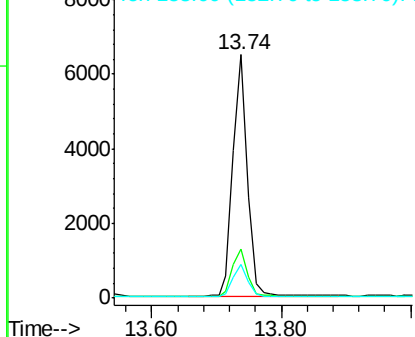


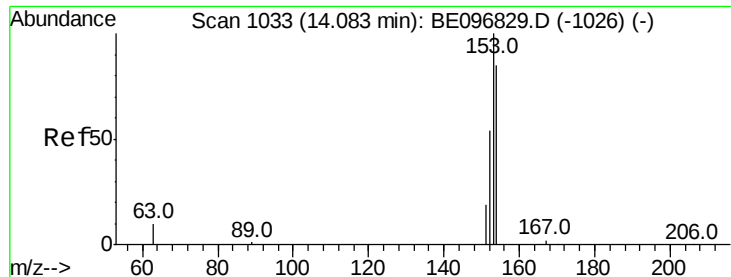
#16
Acenaphthylene
Concen: 0.348 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:152 Resp: 9893
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 13.4 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.353 ng

RT: 14.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

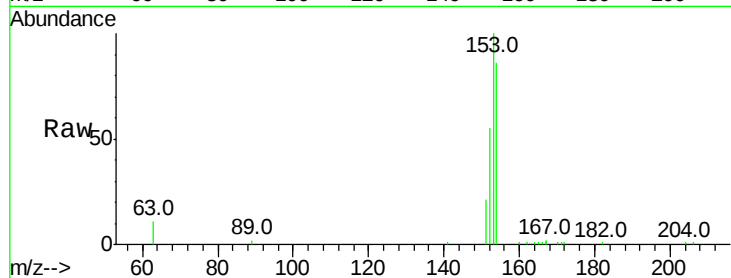
Tot Ion:154 Resp: 6641

Ion Ratio Lower Upper

154 100

153 116.2 89.2 133.8

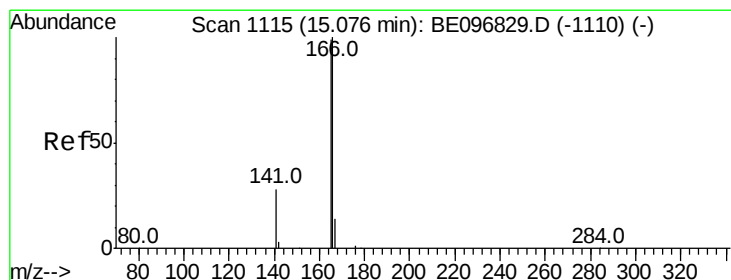
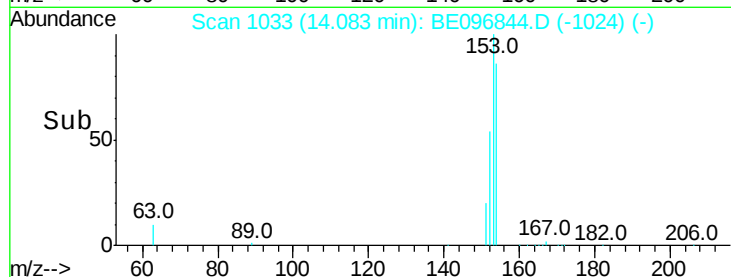
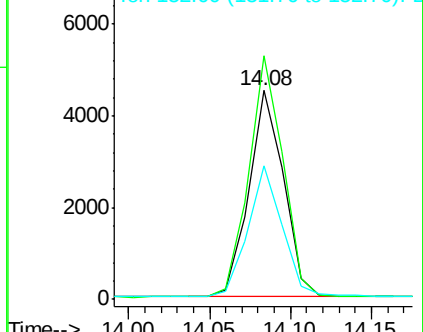
152 63.7 42.0 63.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.330 ng

RT: 15.08 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

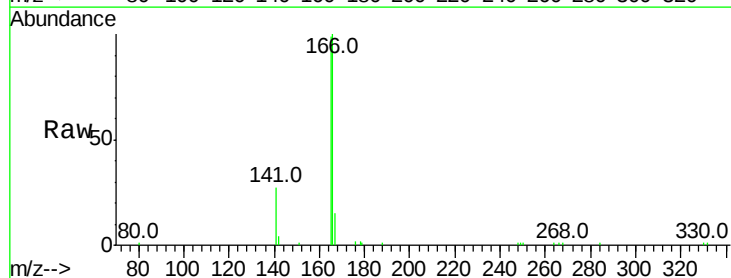
Tgt Ion:166 Resp: 7292

Ion Ratio Lower Upper

166 100

165 97.3 77.8 116.6

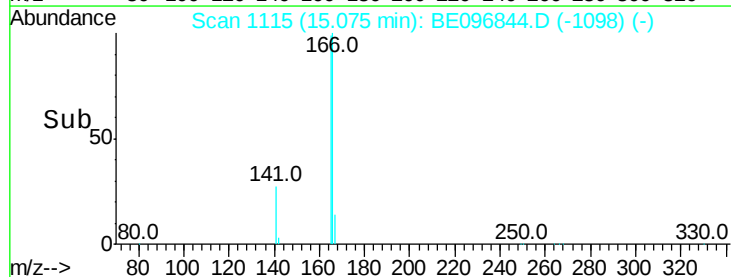
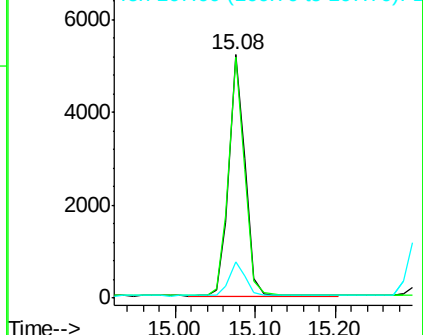
167 14.7 42.4 63.6#

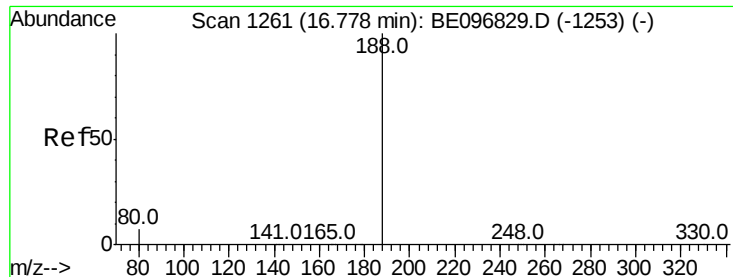


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

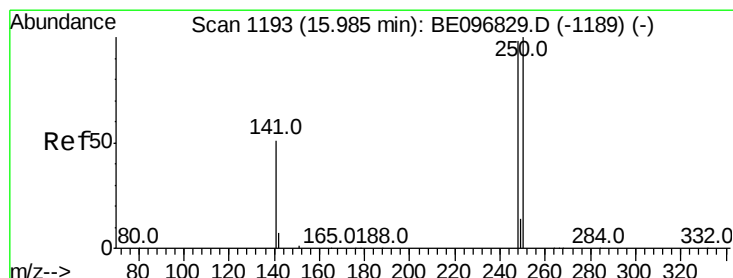
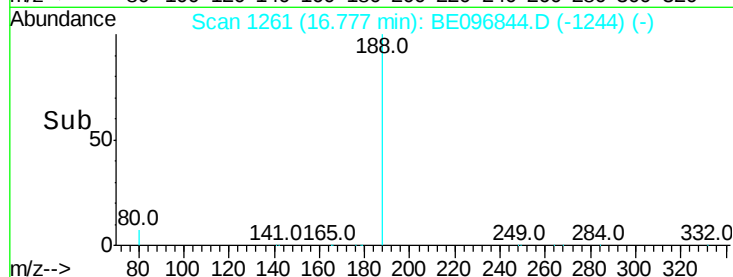
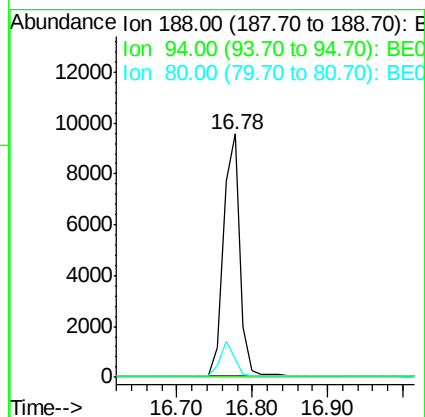
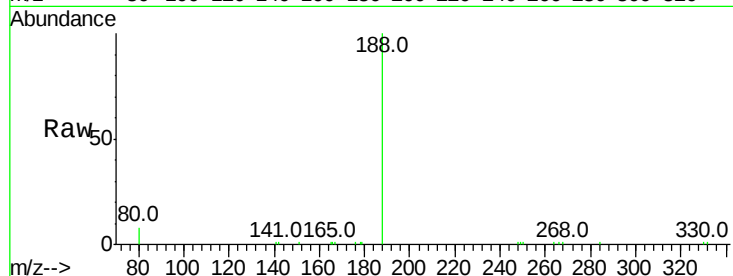




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

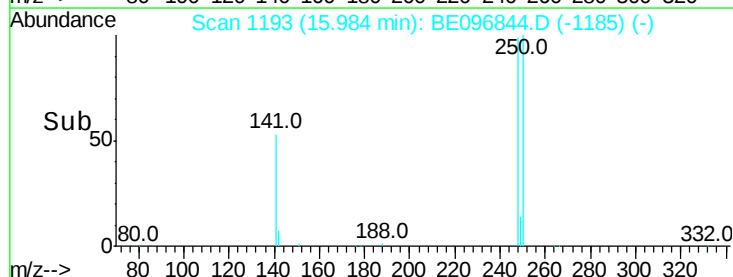
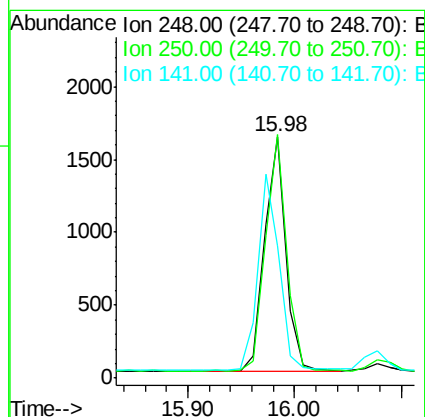
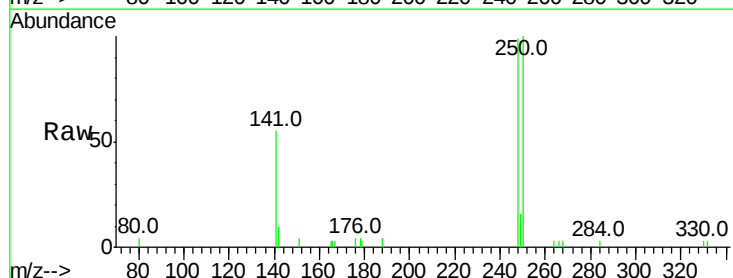
Instrument :
BNA_E
ClientSampleId :

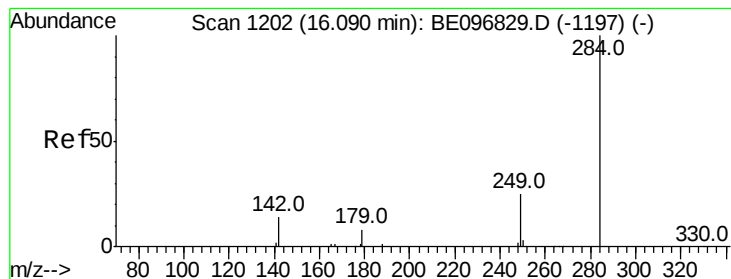
Tot Ion:188 Resp: 14548
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 7.6 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.342 ng
RT: 15.98 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:248 Resp: 2245
Ion Ratio Lower Upper
248 100
250 101.0 62.7 94.1#
141 55.0 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.376 ng

RT: 16.09 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

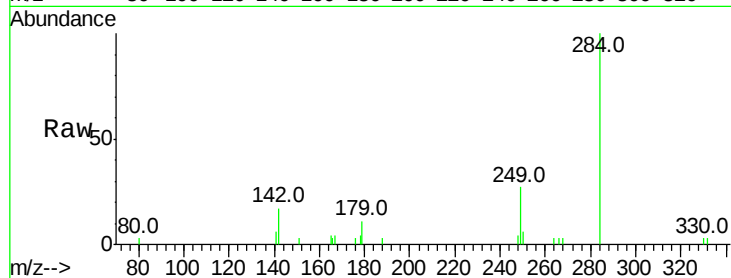
Tot Ion:284 Resp: 2813

Ion Ratio Lower Upper

284 100

142 38.4 22.1 33.1#

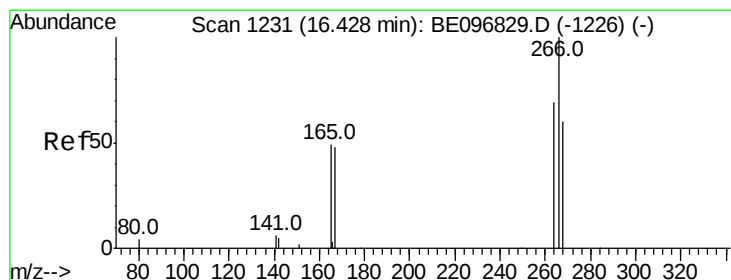
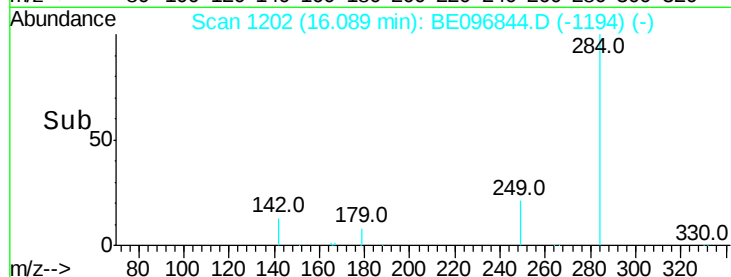
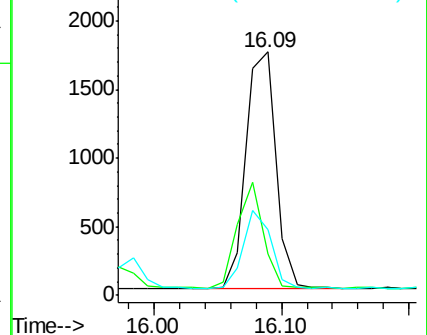
249 30.5 34.8 52.2#



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: 0.519 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

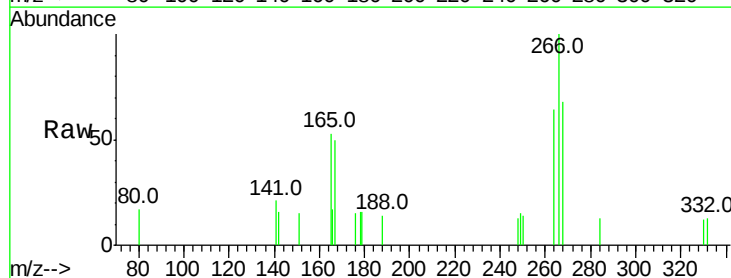
Tgt Ion:266 Resp: 610

Ion Ratio Lower Upper

266 100

264 64.4 72.5 108.7#

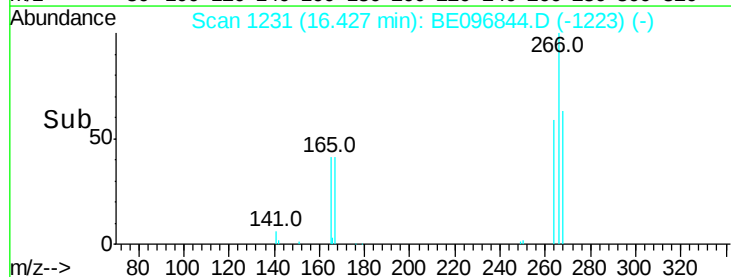
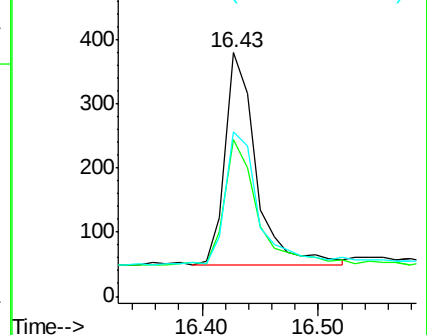
268 67.8 73.8 110.6#

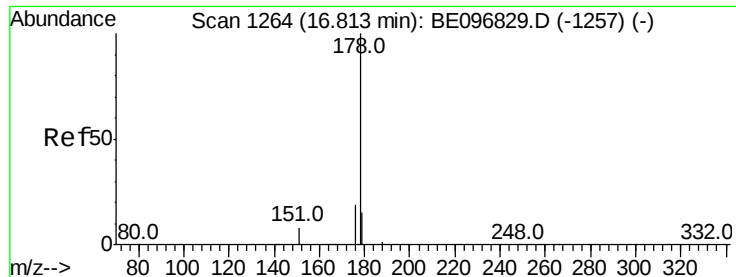


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

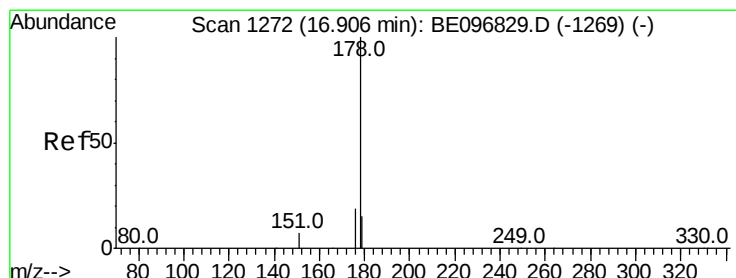
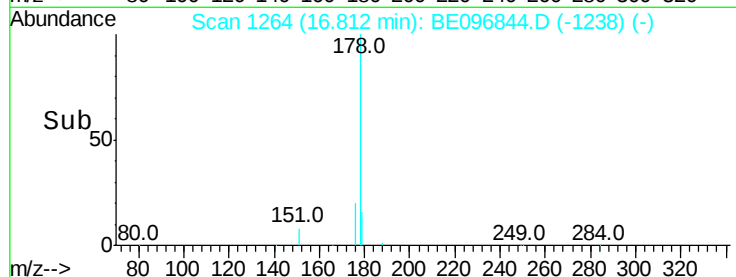
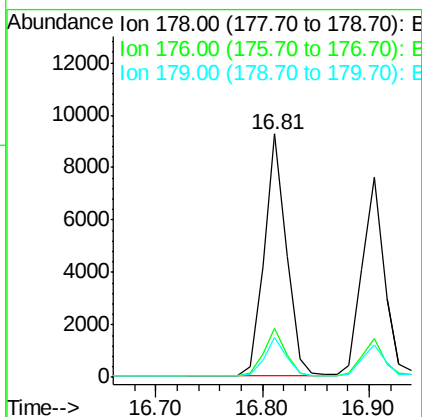
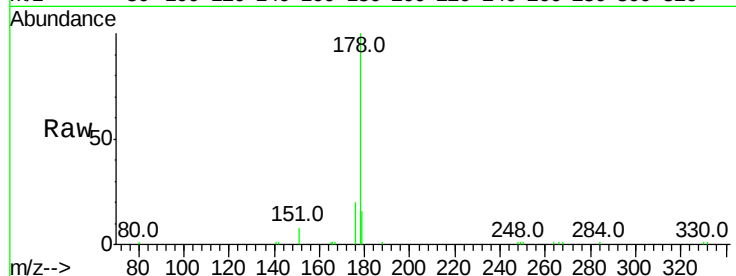




#23
Phenanthrene
Concen: 0.374 ng
RT: 16.81 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

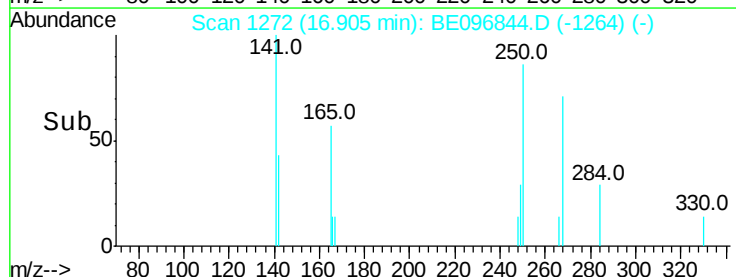
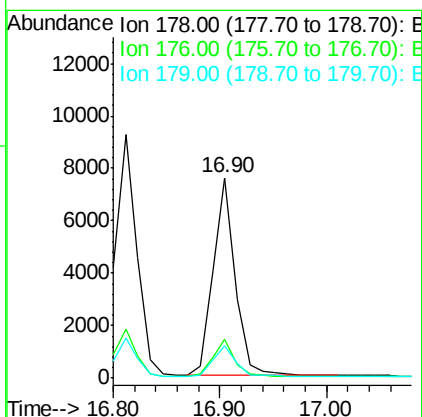
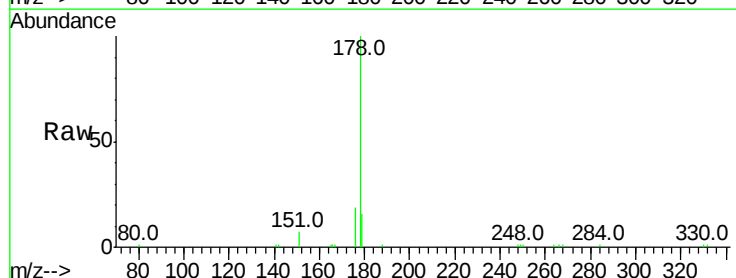
Instrument :
BNA_E
ClientSampleId :

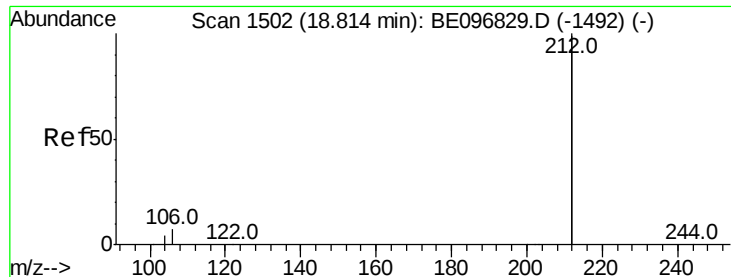
Tot Ion:178 Resp: 13385
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.8 11.8 17.6



#24
Anthracene
Concen: 0.368 ng
RT: 16.90 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion:178 Resp: 10889
Ion Ratio Lower Upper
178 100
176 18.7 12.8 19.2
179 15.8 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.364 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

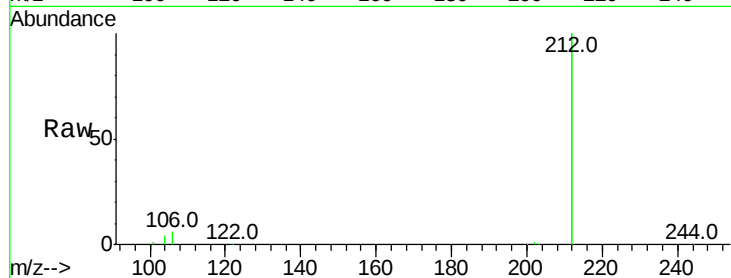
Tot Ion:212 Resp: 46664

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

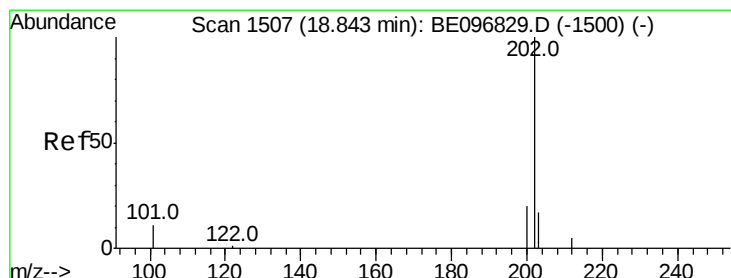
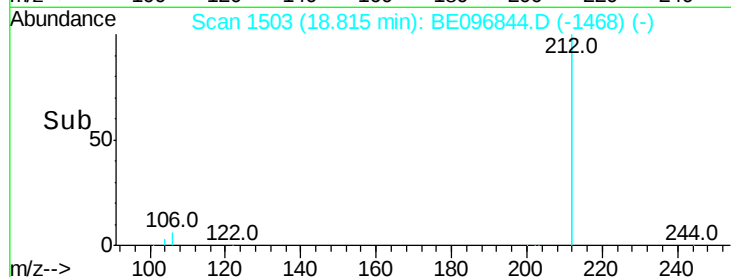
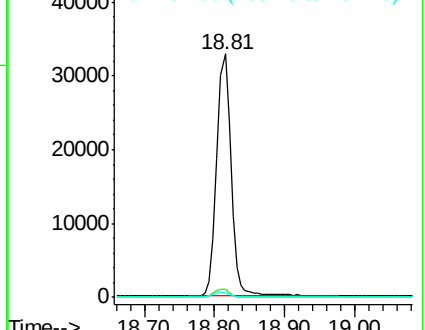
104 1.9 1.6 2.4



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: 0.406 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

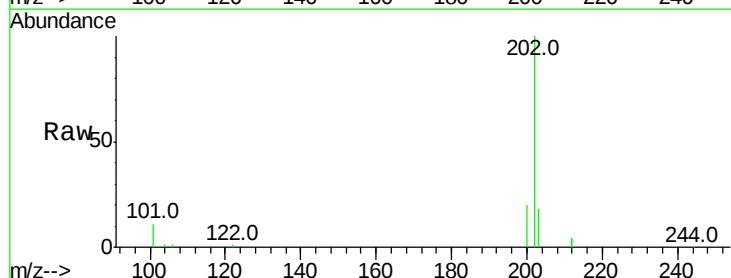
Tgt Ion:202 Resp: 14689

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

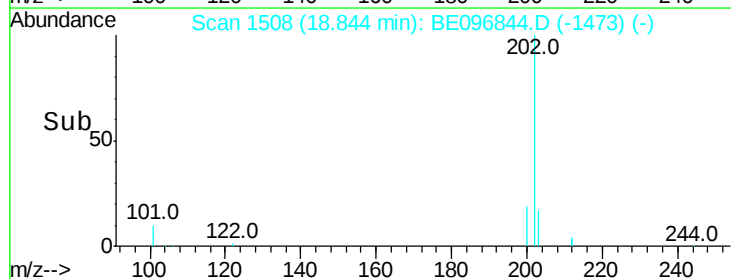
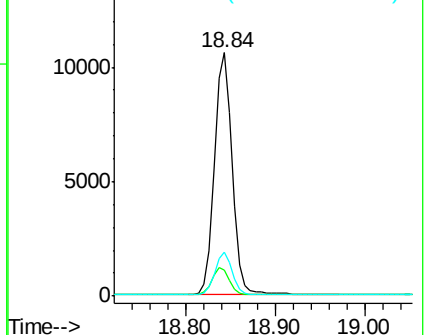
203 17.0 13.7 20.5

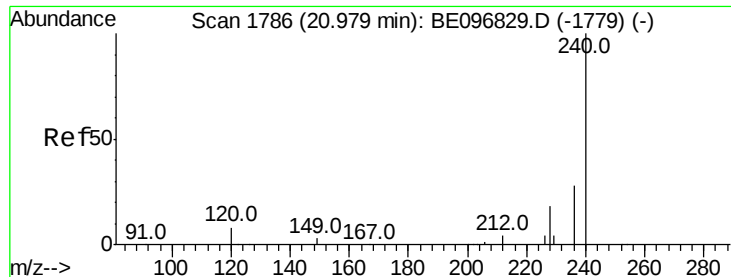


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

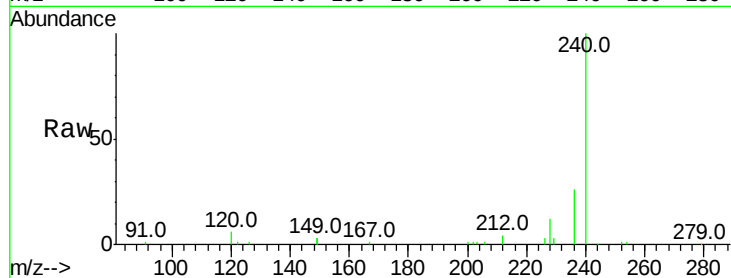
Tot Ion:240 Resp: 14810

Ion Ratio Lower Upper

240 100

120 5.8 5.5 8.3

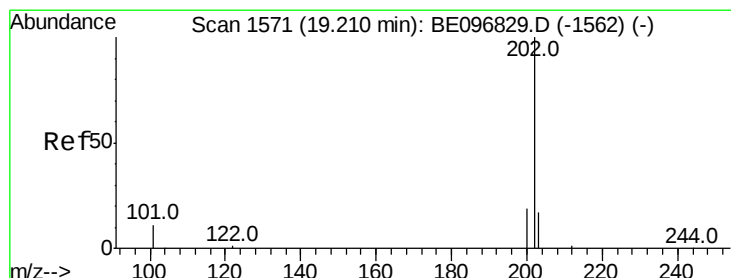
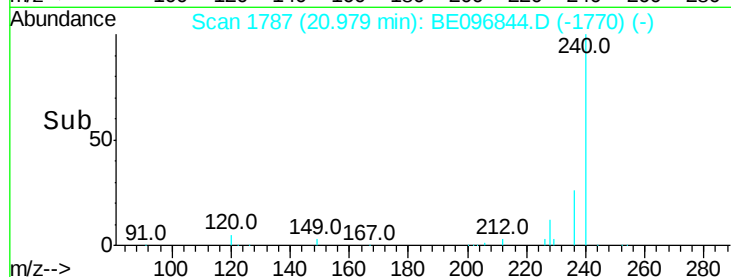
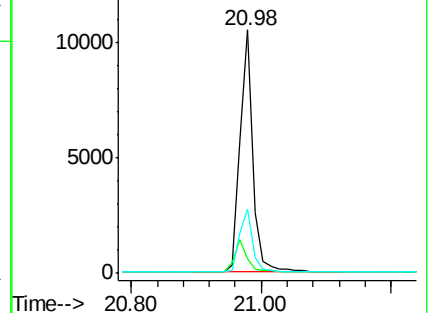
236 26.2 20.7 31.1



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: 0.329 ng

RT: 19.21 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

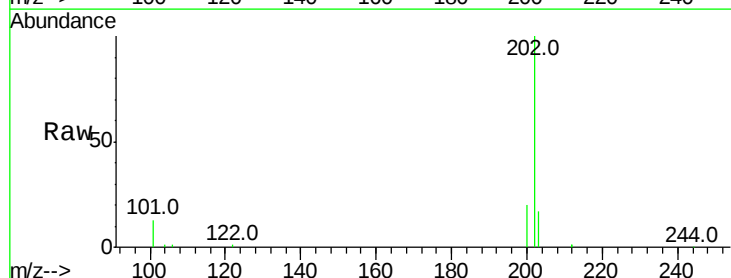
Tgt Ion:202 Resp: 14088

Ion Ratio Lower Upper

202 100

200 19.8 16.6 25.0

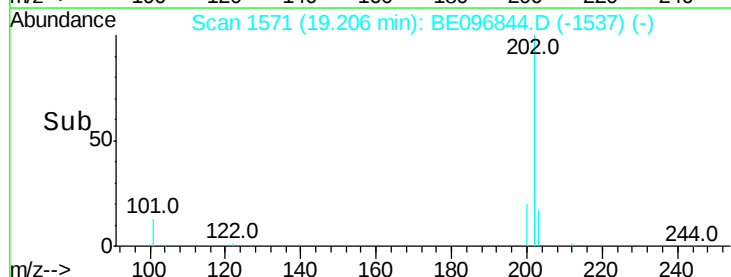
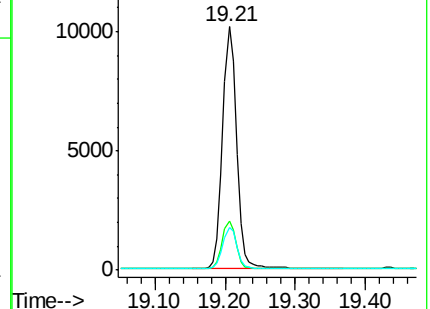
203 17.6 13.8 20.8

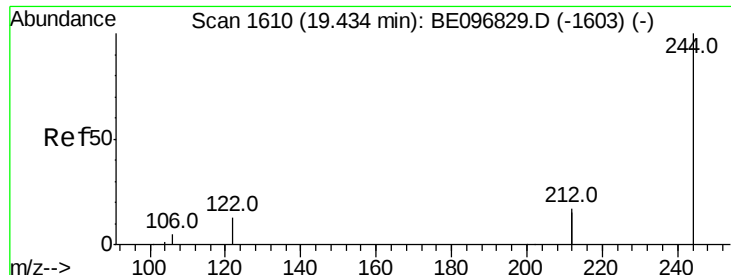


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

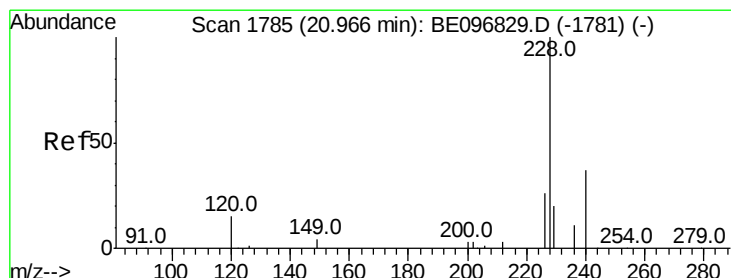
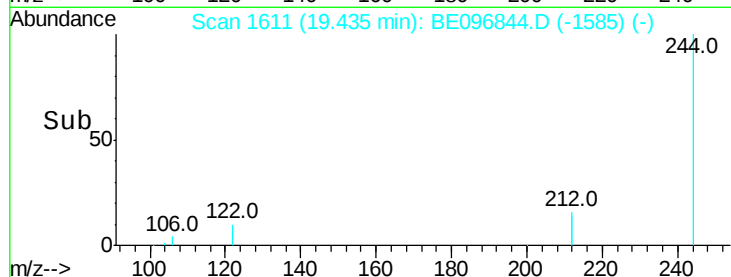
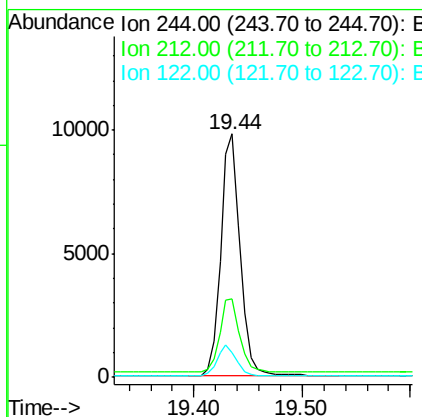
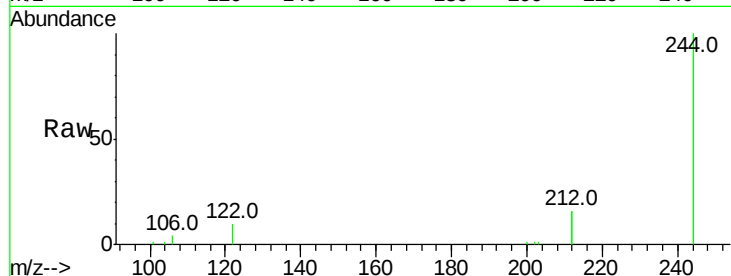




#29
 Terphenyl-d14
 Concen: 0.428 ng
 RT: 19.44 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

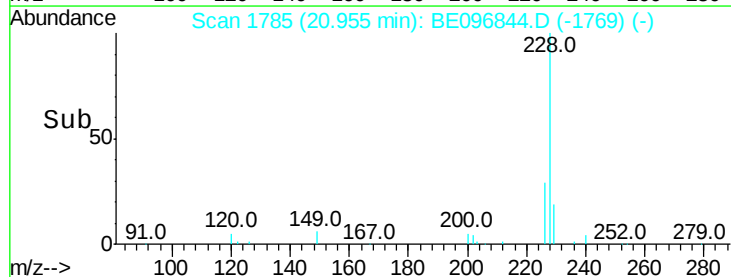
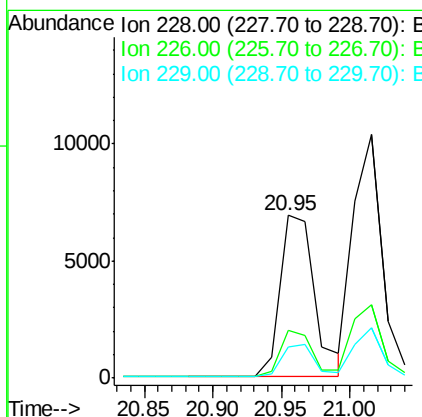
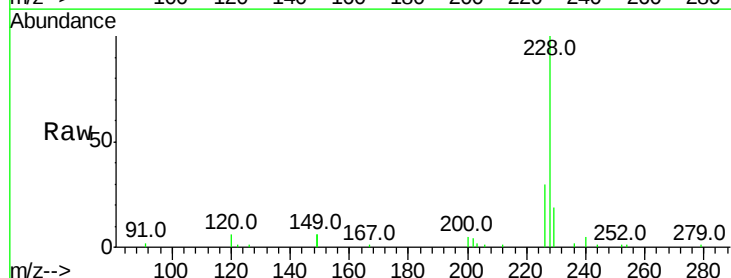
Instrument :
 BNA_E
 ClientSampled :

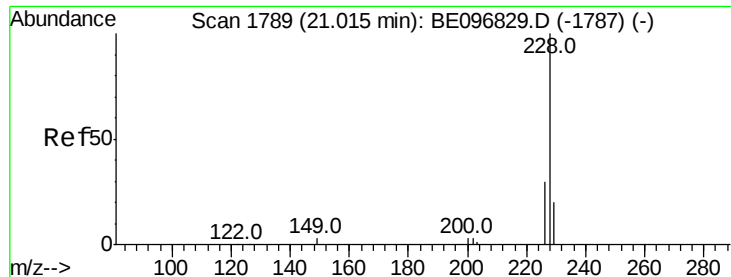
Tot Ion:244 Resp: 12222
 Ion Ratio Lower Upper
 244 100
 212 32.1 25.4 38.0
 122 10.0 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.369 ng
 RT: 20.95 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

Tgt Ion:228 Resp: 12110
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.0 36.0
 229 19.2 16.0 24.0





#31

Chrysene

Concen: 0.375 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

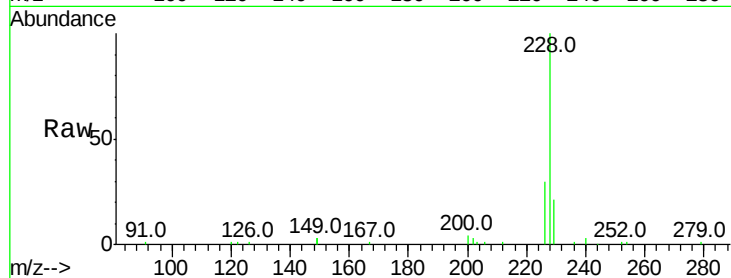
Tot Ion:228 Resp: 15182

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

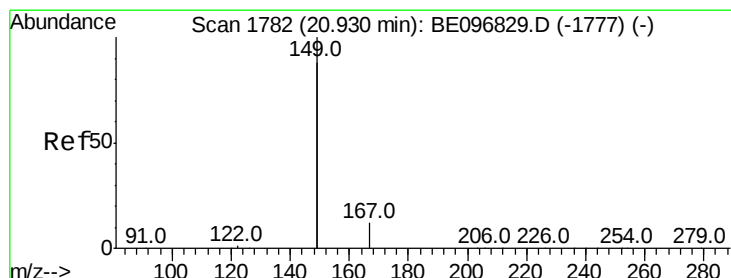
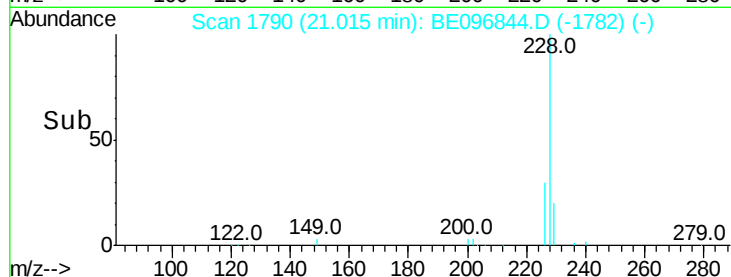
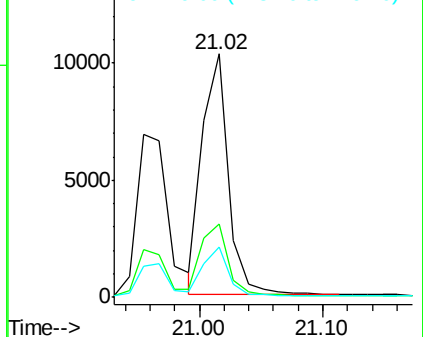
229 20.7 16.0 24.0



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: 0.276 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

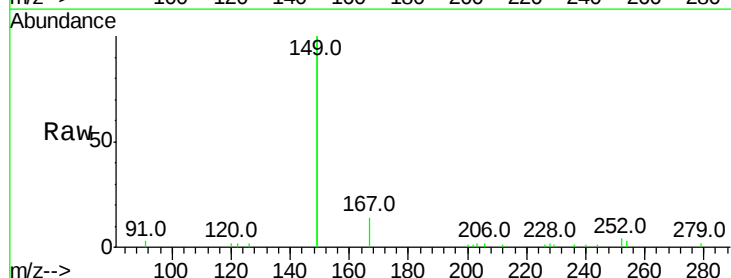
Tgt Ion:149 Resp: 8117

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

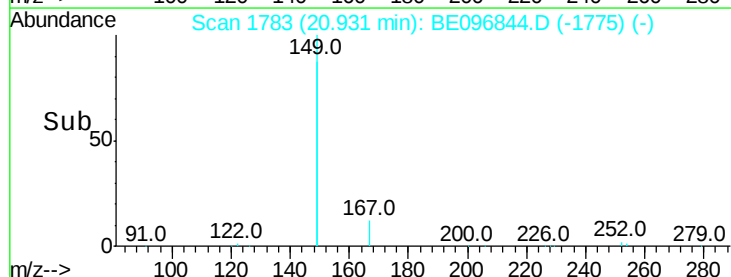
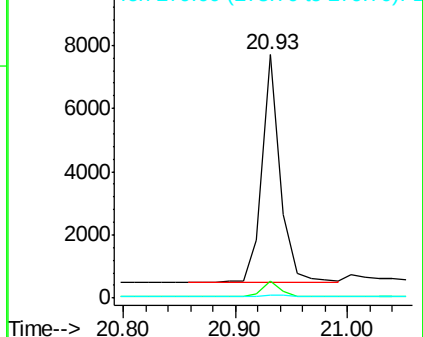
279 0.7 0.7 1.1#

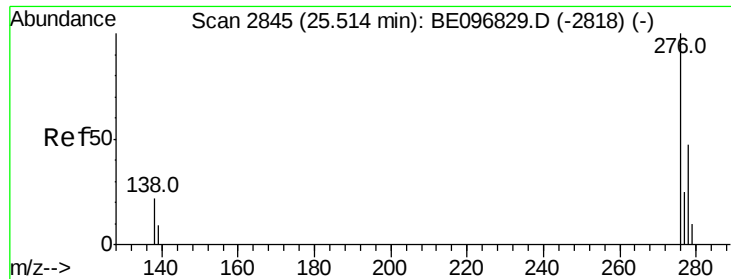


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

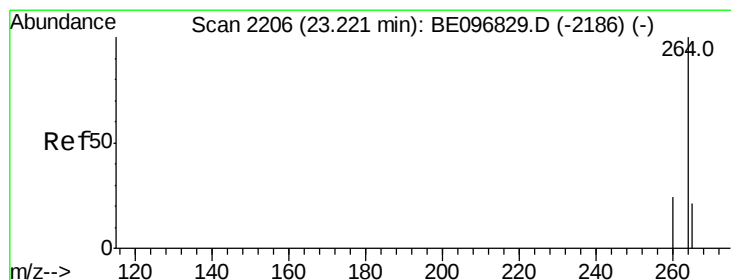
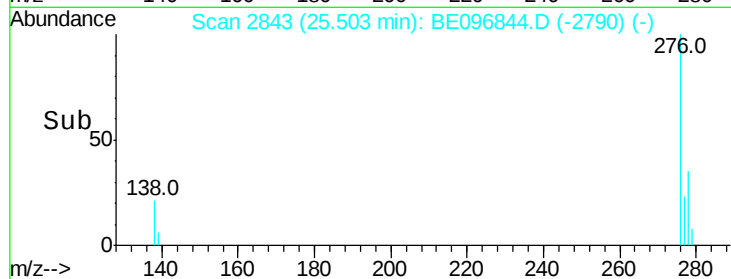
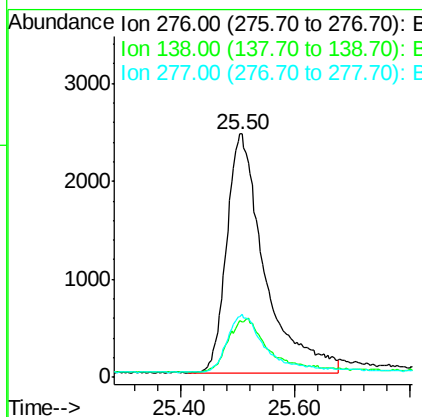
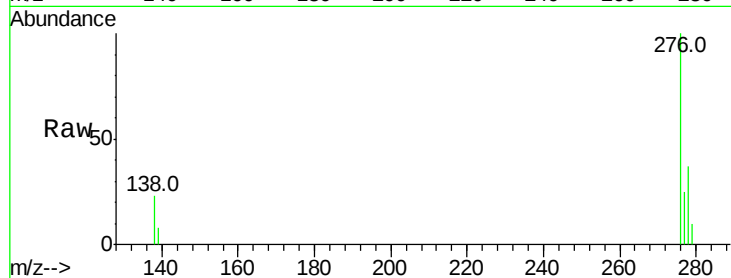




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.372 ng
 RT: 25.50 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

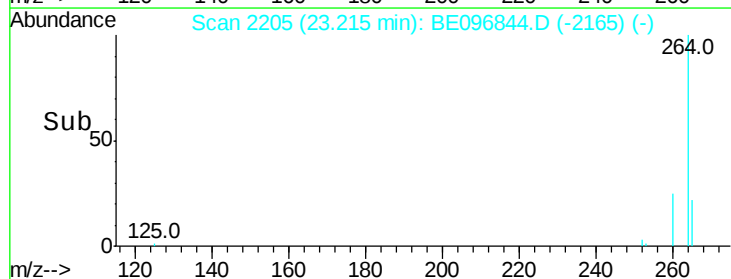
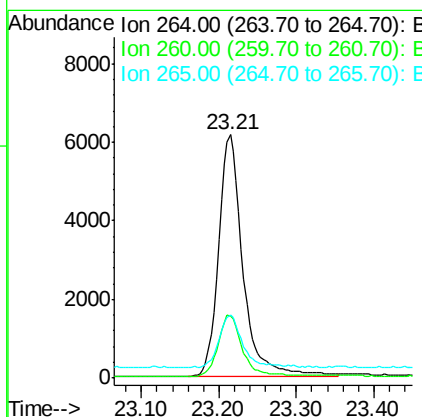
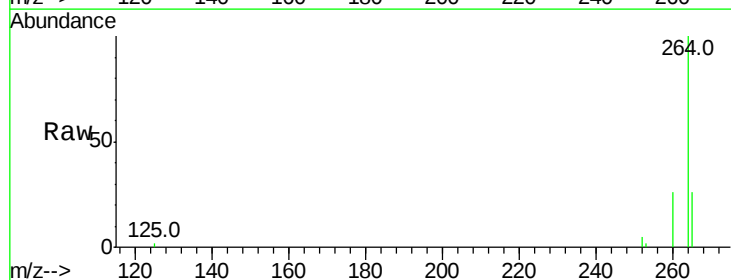
Instrument :
 BNA_E
 ClientSampleId :

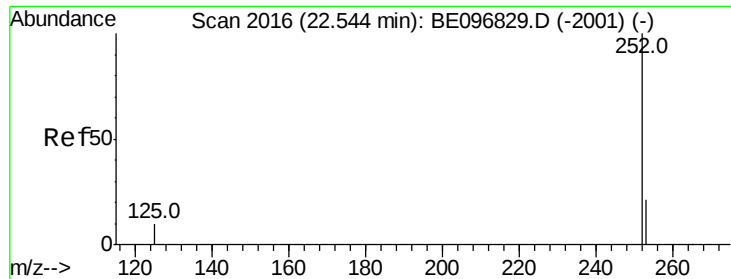
Tot Ion:276 Resp: 11215
 Ion Ratio Lower Upper
 276 100
 138 21.6 22.5 33.7#
 277 24.2 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

Tgt Ion:264 Resp: 13309
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.5 30.7
 265 25.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.331 ng

RT: 22.54 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

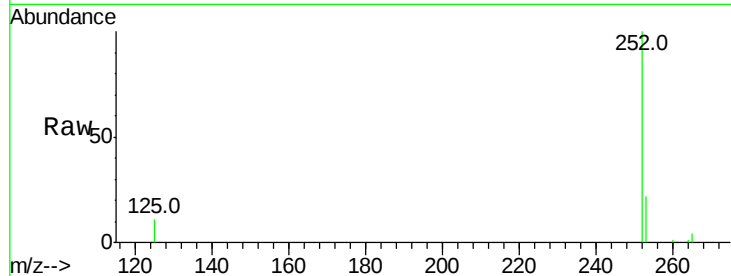
Tot Ion:252 Resp: 12027

Ion Ratio Lower Upper

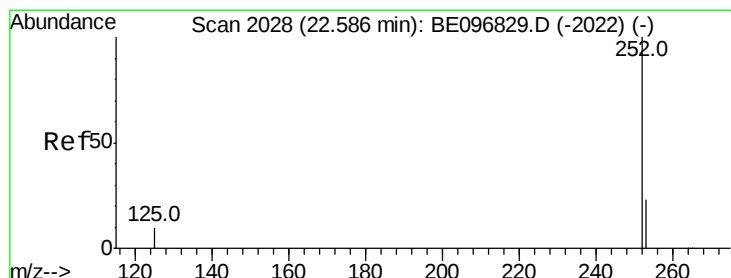
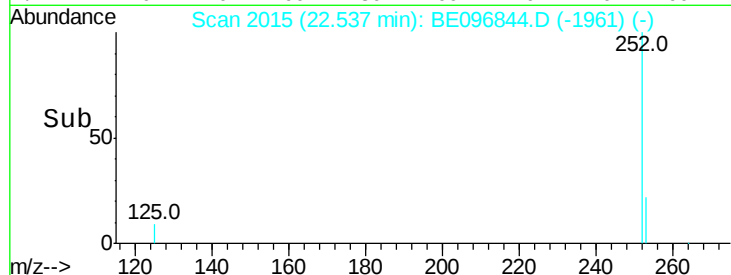
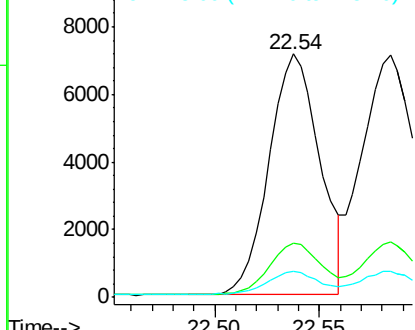
252 100

253 22.5 20.0 30.0

125 10.6 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: 0.360 ng

RT: 22.58 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

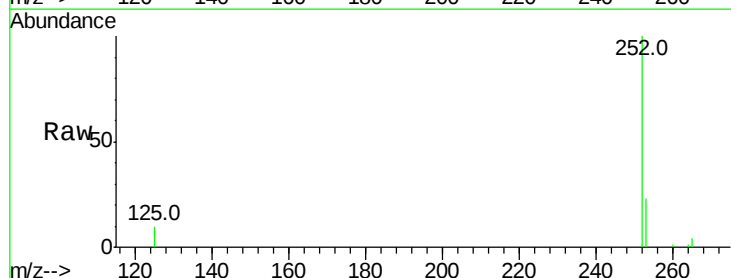
Tgt Ion:252 Resp: 14094

Ion Ratio Lower Upper

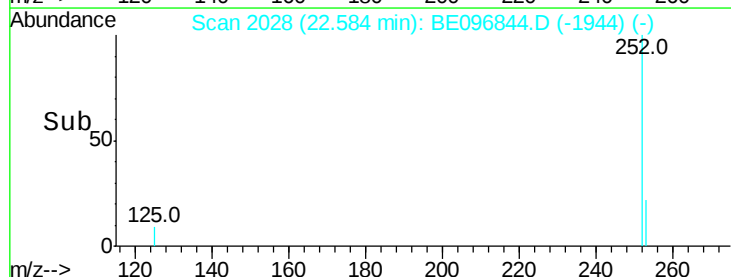
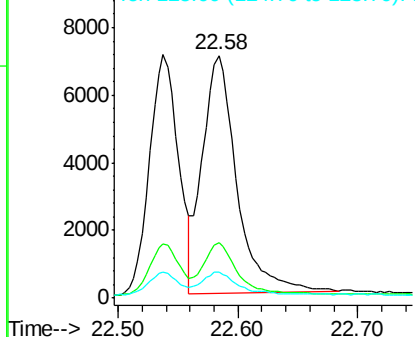
252 100

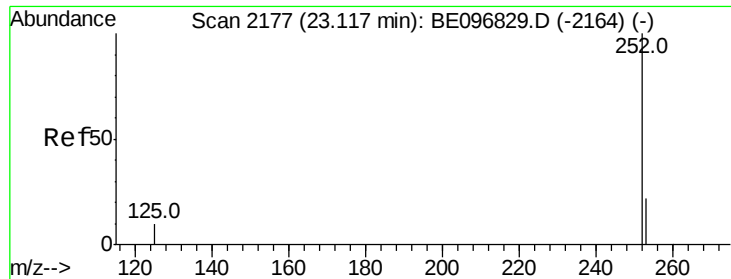
253 22.6 16.0 24.0

125 10.5 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: 0.351 ng

RT: 23.11 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

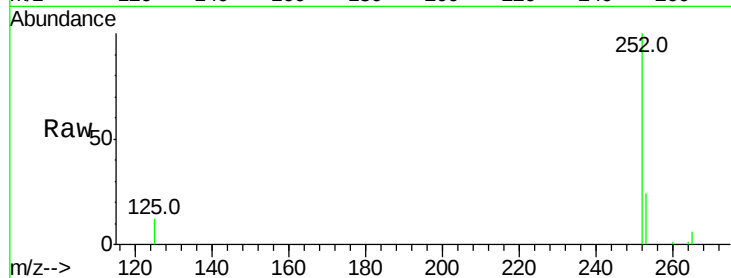
Tot Ion:252 Resp: 10134

Ion Ratio Lower Upper

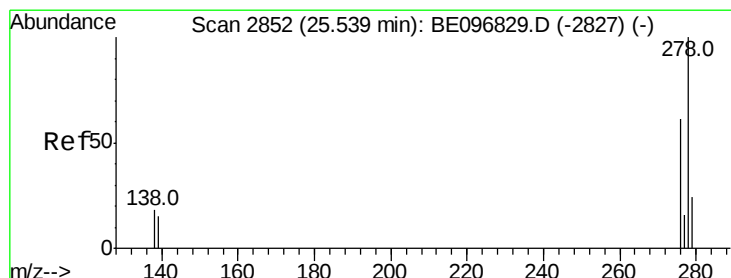
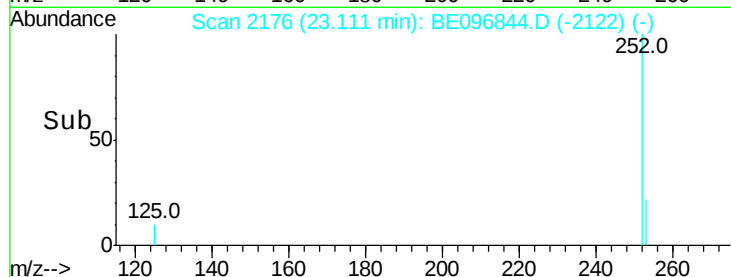
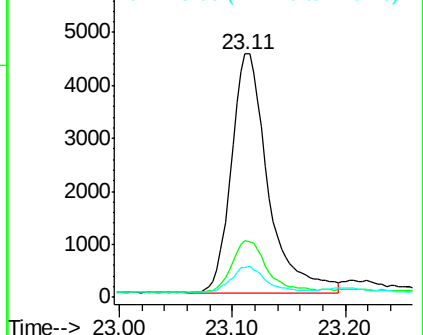
252 100

253 23.5 16.0 24.0

125 12.3 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: 0.345 ng

RT: 25.53 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

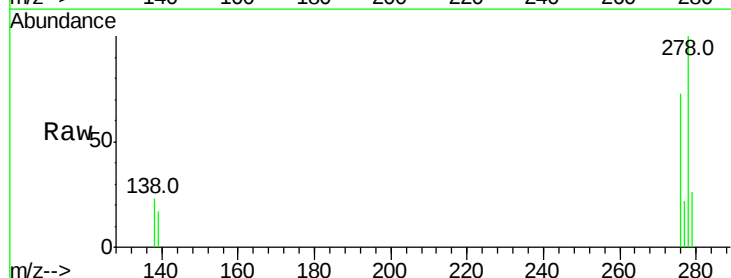
Tgt Ion:278 Resp: 9176

Ion Ratio Lower Upper

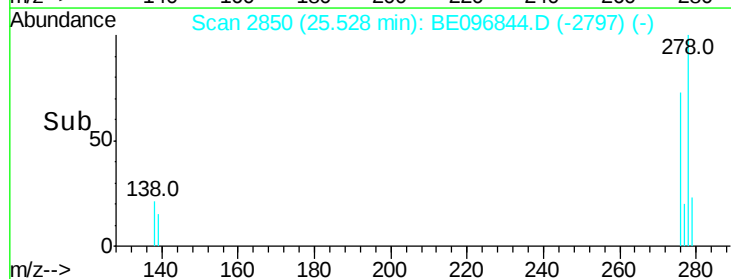
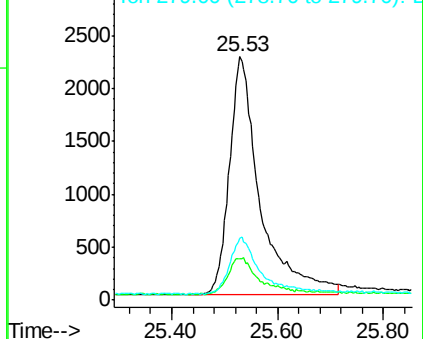
278 100

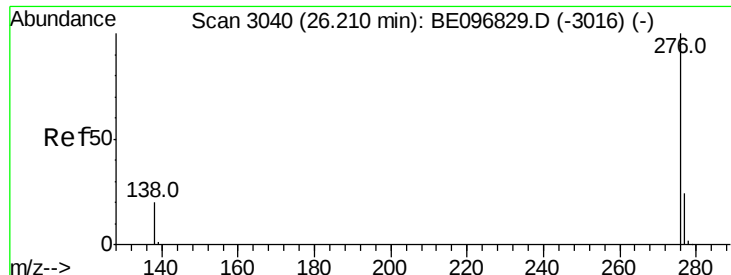
139 17.0 16.0 24.0

279 25.6 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: 0.336 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.01 min

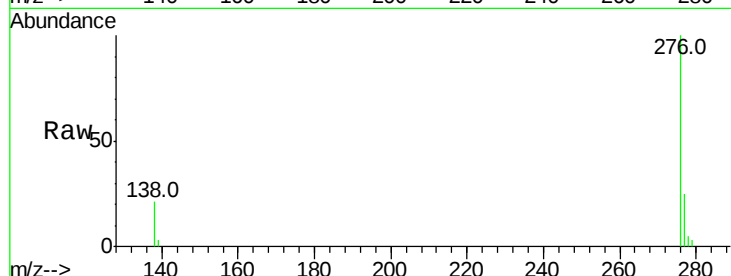
Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :



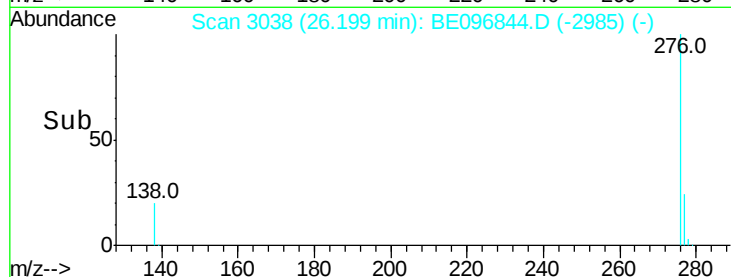
Tot Ion: 276 Resp: 10822

Ion Ratio Lower Upper

276 100

277 25.1 16.0 24.0#

138 21.4 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

