

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062118\
 Data File : BE096840.D
 Acq On : 21 Jun 2018 11:58
 Operator : SJ/JU
 Sample : J3552-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 22 02:29:11 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	2632	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	11967	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5974	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	18426	0.40	ng	0.00
27) Chrysene-d12	20.98	240	17296	0.40	ng	0.00
34) Perylene-d12	23.22	264	15640	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1052	0.18	ng	0.00
5) Phenol-d6	6.60	99	879	0.10	ng	0.00
8) Nitrobenzene-d5	8.53	82	3349	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6484	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	497	0.40	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	19038	0.87	ng	0.00
25) Fluoranthene-d10	18.81	212	74938	0.46	ng	0.00
29) Terphenyl-d14	19.44	244	21816	0.65	ng	0.00

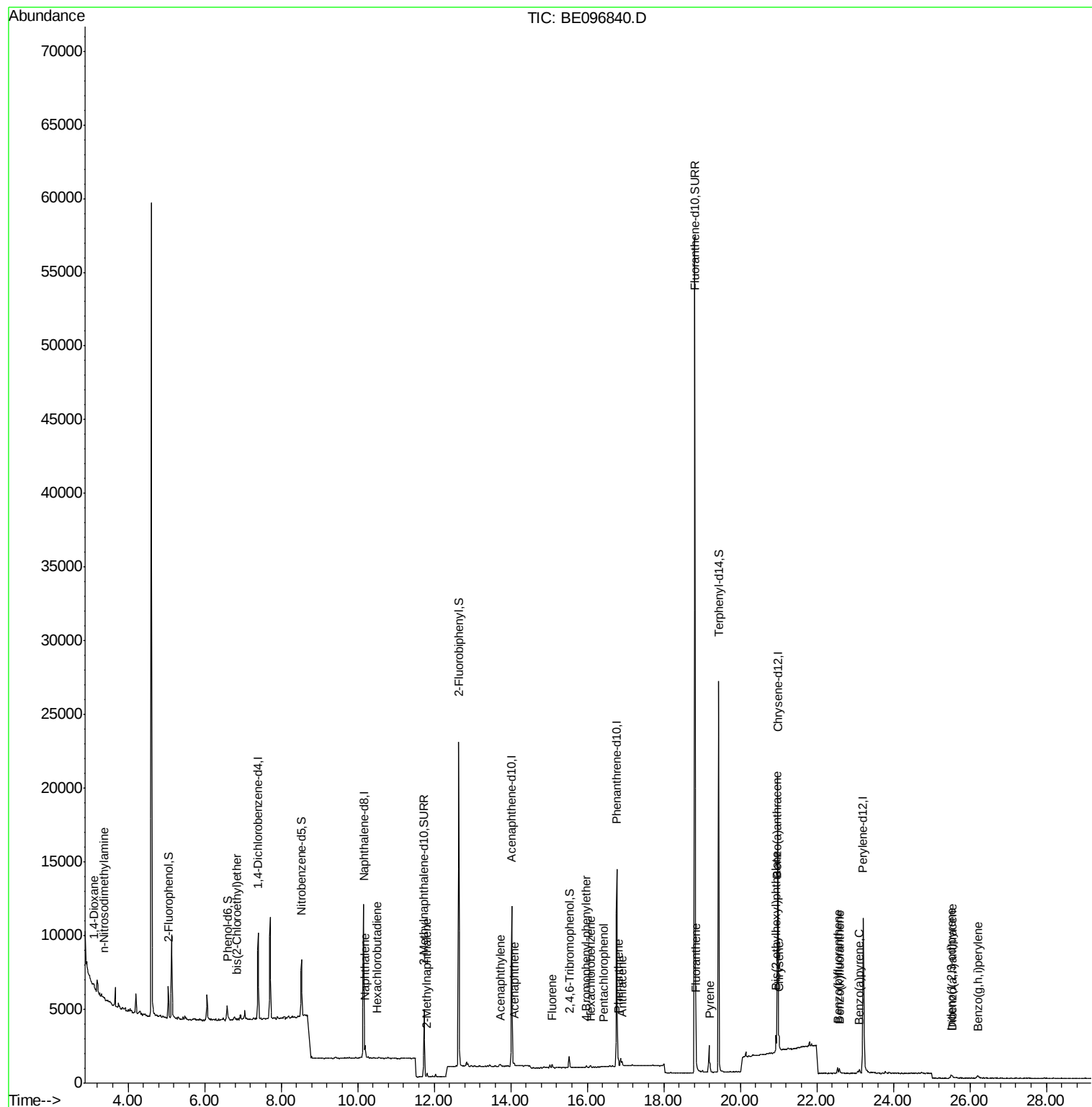
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	80	0.020	ng	# 16
3) n-Nitrosodimethylamine	3.37	42	55	0.013	ng	# 1
6) bis(2-Chloroethyl)ether	6.84	93	28	0.003	ng	# 79
9) Naphthalene	10.20	128	1436	0.013	ng	# 87
10) Hexachlorobutadiene	10.50	225	29	0.006	ng	# 58
12) 2-Methylnaphthalene	11.81	142	200	0.011	ng	# 89
16) Acenaphthylene	13.74	152	95	0.004	ng	# 45
17) Acenaphthene	14.08	154	99	0.006	ng	# 82
18) Fluorene	15.07	166	150	0.007	ng	# 89
20) 4-Bromophenyl-phenylether	15.98	248	87	0.010	ng	# 79
21) Hexachlorobenzene	16.09	284	96	0.010	ng	# 70
22) Pentachlorophenol	16.43	266	19	0.048	ng	# 97
23) Phenanthrene	16.81	178	436	0.010	ng	# 82
24) Anthracene	16.90	178	328	0.009	ng	# 85
26) Fluoranthene	18.84	202	570	0.012	ng	# 95
28) Pyrene	19.21	202	559	0.011	ng	# 93
30) Benzo(a)anthracene	20.97	228	516	0.013	ng	# 78
31) Chrysene	21.02	228	542	0.011	ng	# 77
32) Bis(2-ethylhexyl)phthalate	20.93	149	1571	0.046	ng	# 93
33) Indeno(1,2,3-cd)pyrene	25.51	276	346	0.010	ng	# 75
35) Benzo(b)fluoranthene	22.54	252	477	0.011	ng	# 56
36) Benzo(k)fluoranthene	22.59	252	412	0.090	ng	# 31
37) Benzo(a)pyrene	23.11	252	360	0.011	ng	# 17
38) Dibenzo(a,h)anthracene	25.54	278	224	0.114	ng	# 22
39) Benzo(g,h,i)perylene	26.21	276	372	0.010	ng	# 44

(#) = 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: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

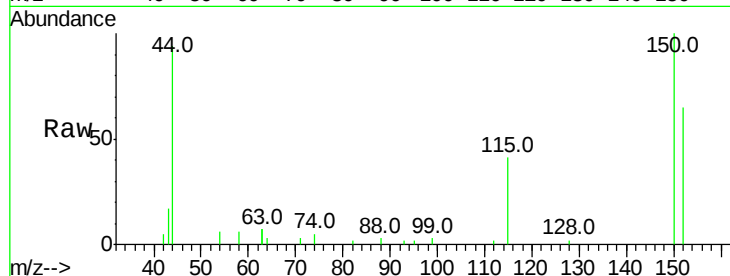
Tot Ion:152 Resp: 2632

Ion Ratio Lower Upper

152 100

150 154.8 117.2 175.8

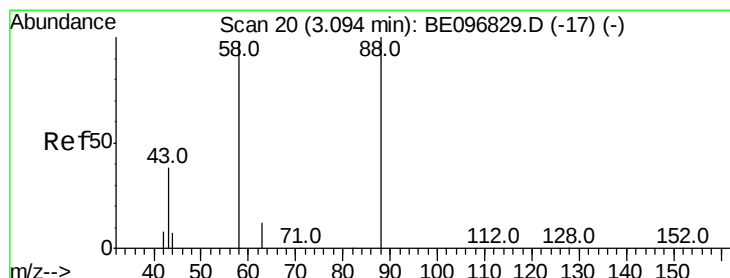
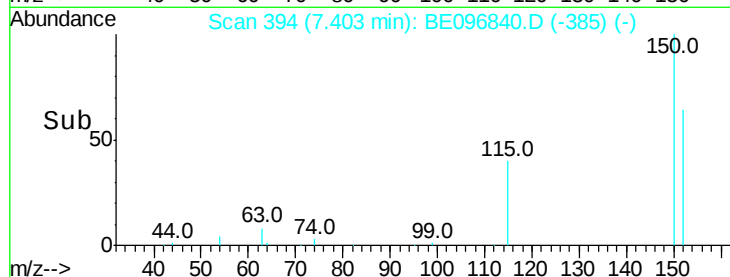
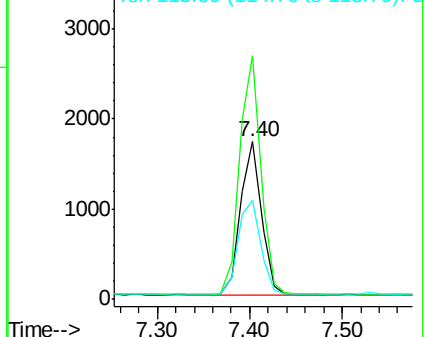
115 63.2 57.0 85.6



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: 0.020 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

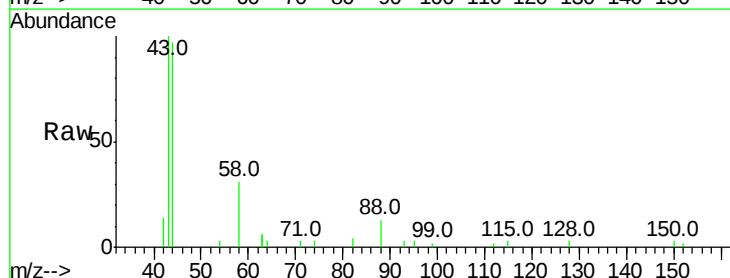
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

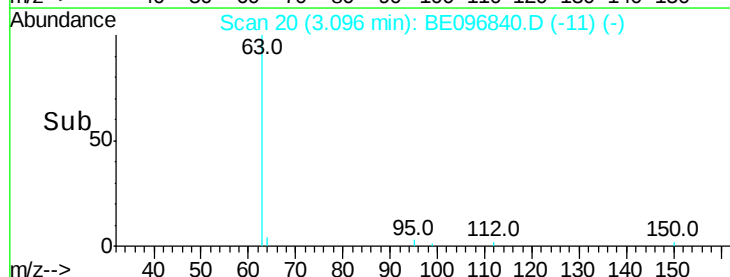
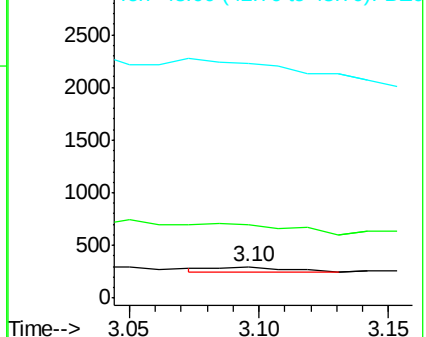
43 0.0 41.2 61.8#



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



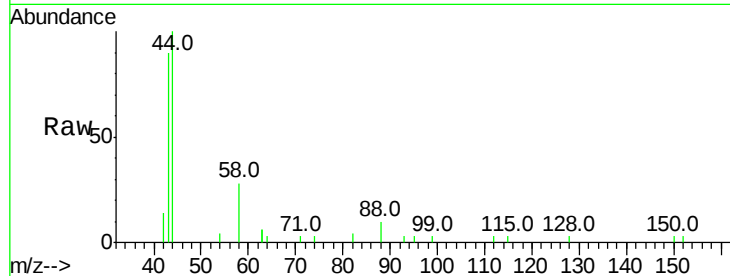


#3

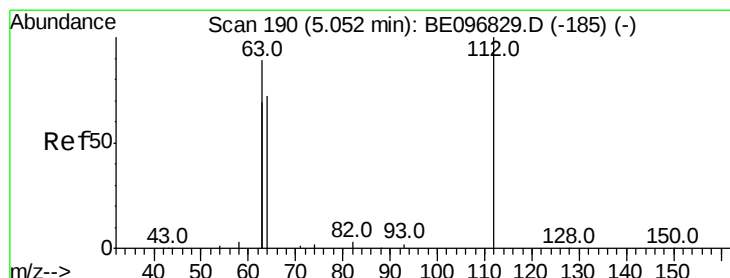
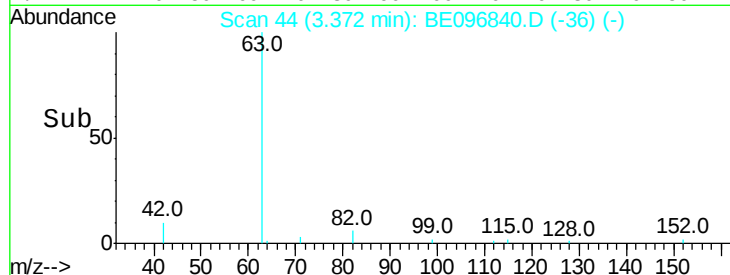
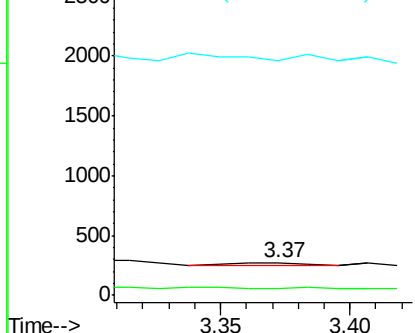
n-Nitrosodimethylamine
 Concen: 0.013 ng
 RT: 3.37 min Scan# 44
 Delta R.T. -0.01 min
 Lab File: BE096840.D
 Acq: 21 Jun 2018 11:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 55
 Ion Ratio Lower Upper
 42 100
 74 9.1 96.0 144.0#
 44 170.9 12.0 18.0#



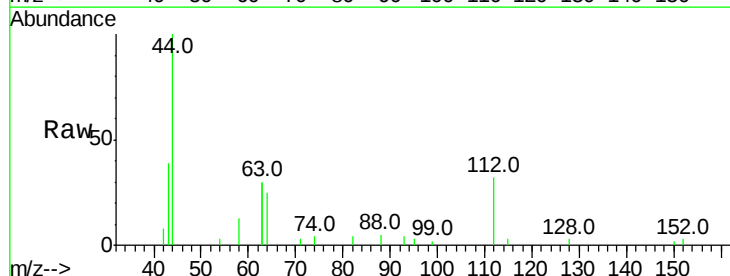
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



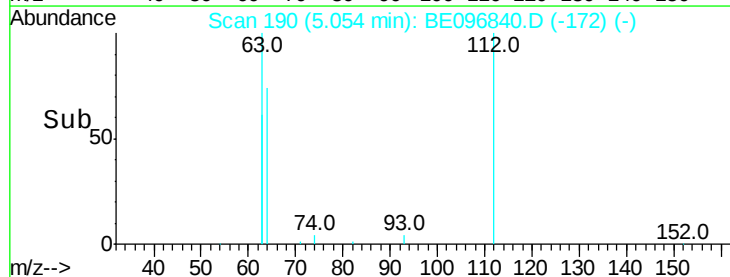
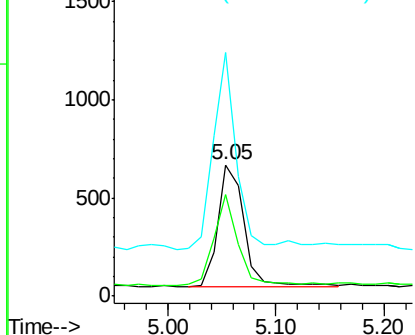
#4

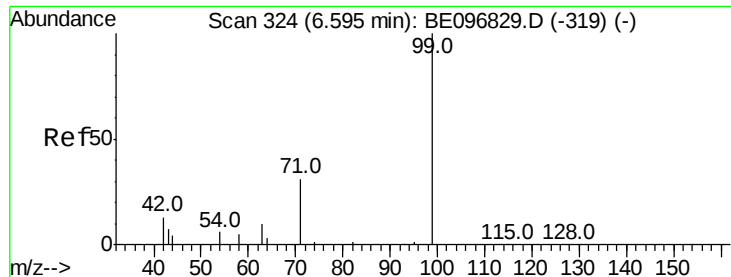
2-Fluorophenol
 Concen: 0.179 ng
 RT: 5.05 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: BE096840.D
 Acq: 21 Jun 2018 11:58

Tgt Ion: 112 Resp: 1052
 Ion Ratio Lower Upper
 112 100
 64 69.2 60.1 90.1
 63 139.7 116.8 175.2



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: 0.100 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

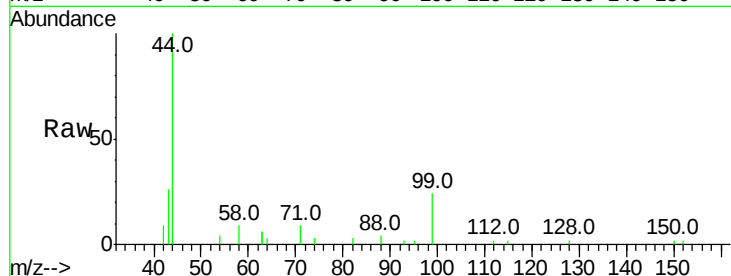
Tot Ion: 99 Resp: 879

Ion Ratio Lower Upper

99 100

42 30.4 20.2 30.2#

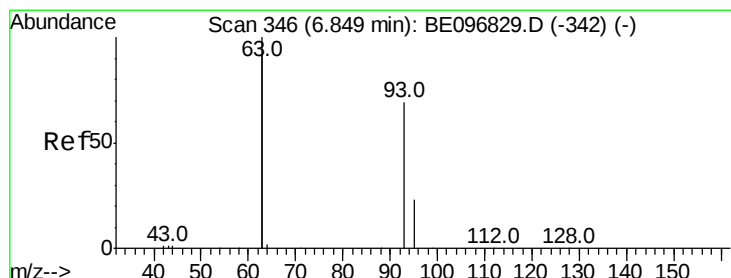
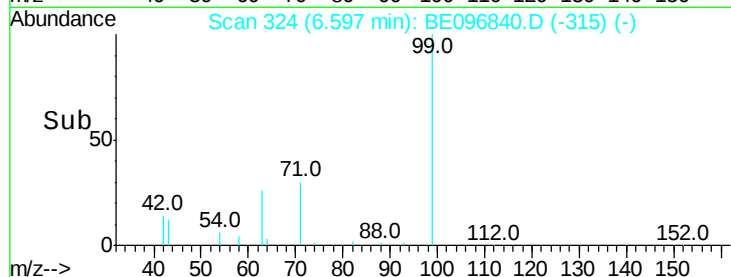
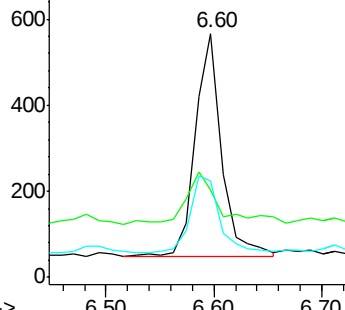
71 38.9 28.4 42.6



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: 0.003 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.01 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

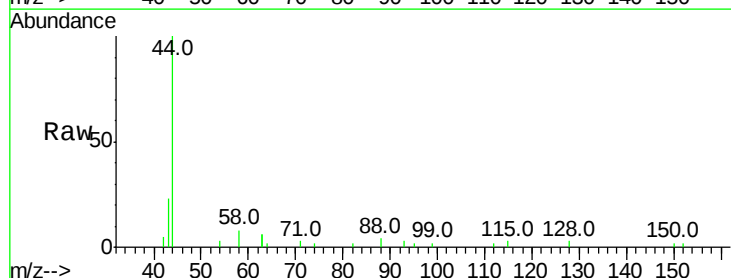
Tgt Ion: 93 Resp: 28

Ion Ratio Lower Upper

93 100

63 307.1 275.3 412.9

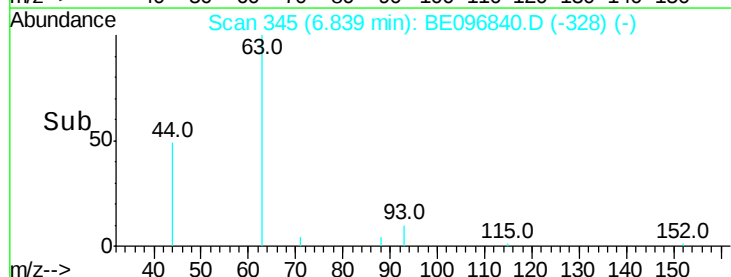
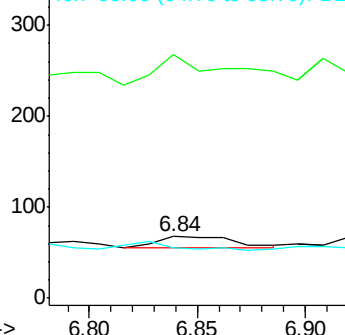
95 64.3 25.2 37.8#

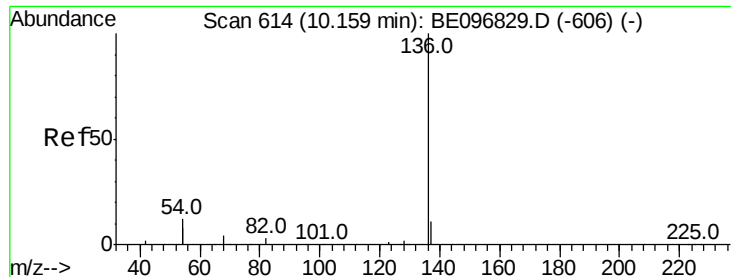


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 11967

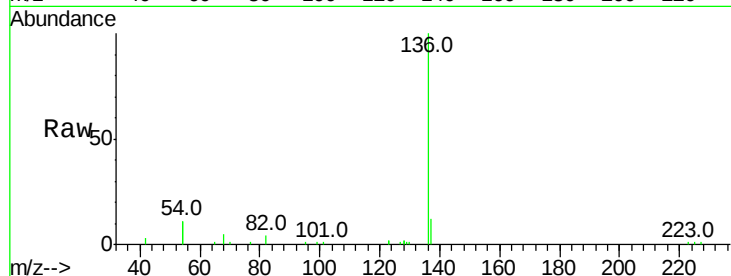
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 22.6 29.1 43.7#

68 4.7 6.2 9.2#

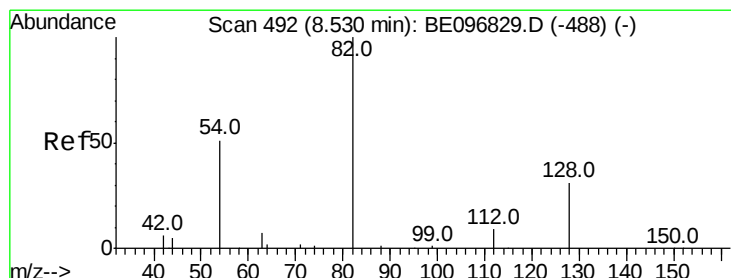
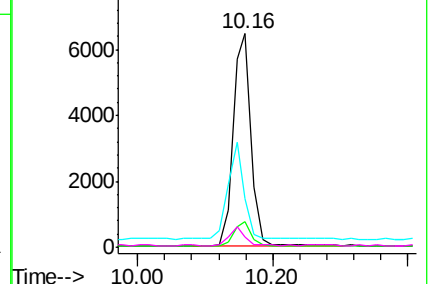
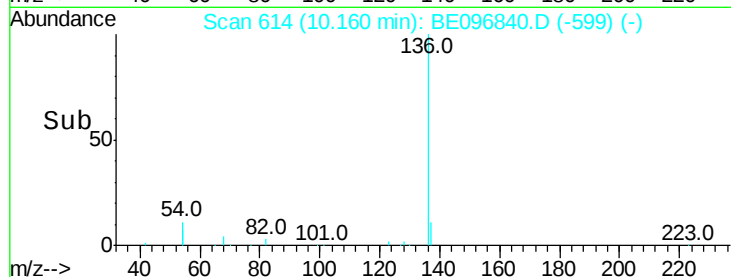


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.462 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

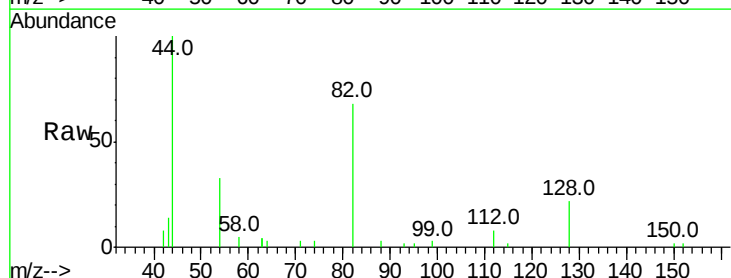
Tgt Ion: 82 Resp: 3349

Ion Ratio Lower Upper

82 100

128 32.4 24.0 36.0

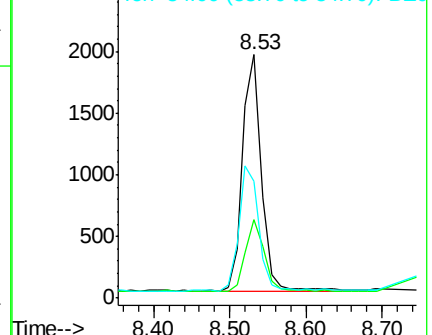
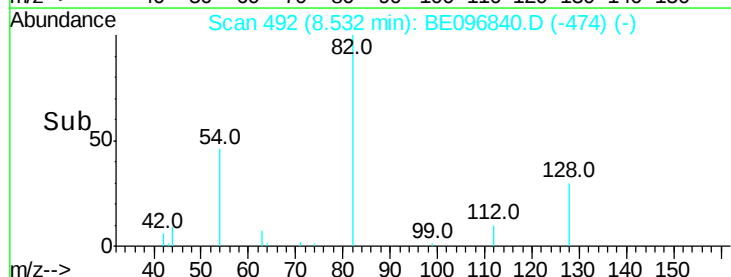
54 48.0 40.0 60.0

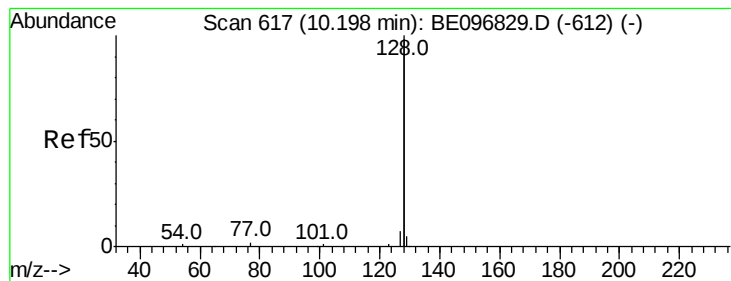


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.013 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

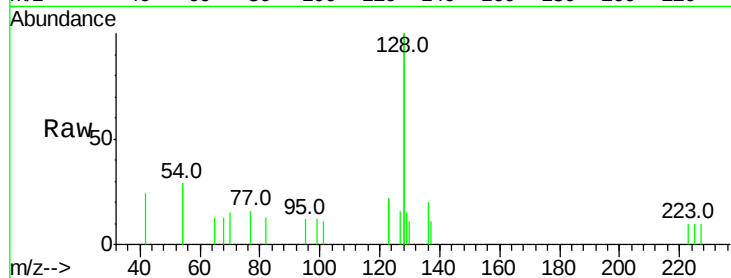
Tot Ion:128 Resp: 1436

Ion Ratio Lower Upper

128 100

129 7.5 2.6 3.8#

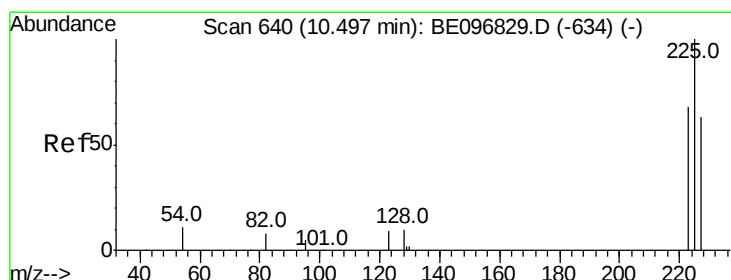
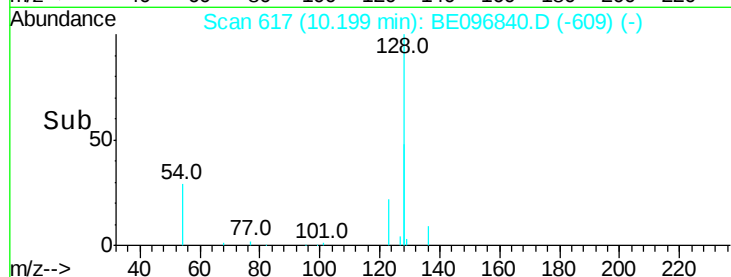
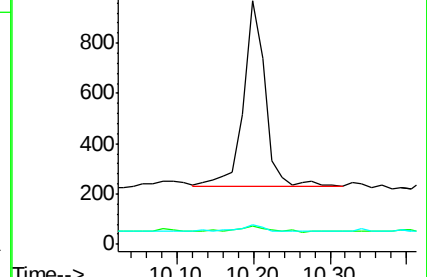
127 7.9 2.8 4.2#



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: 0.006 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

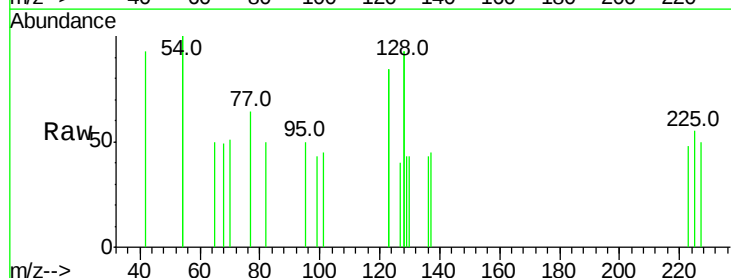
Tgt Ion:225 Resp: 29

Ion Ratio Lower Upper

225 100

223 110.3 53.0 79.6#

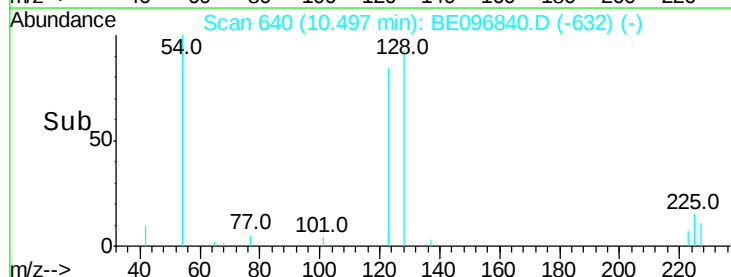
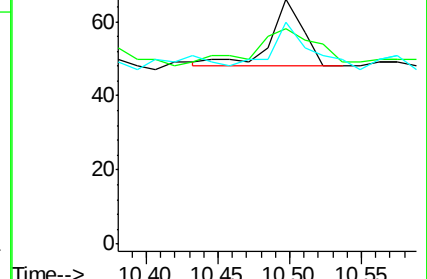
227 86.2 51.4 77.2#

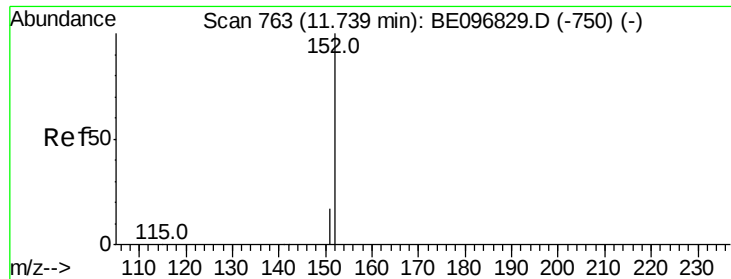


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

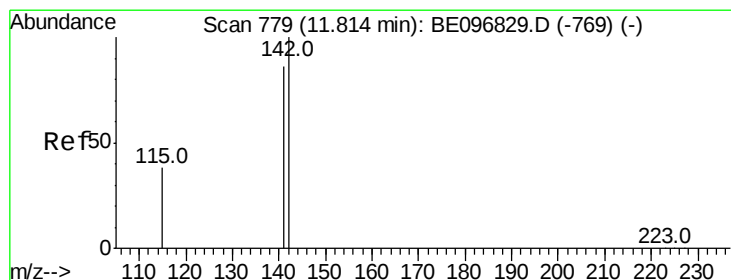
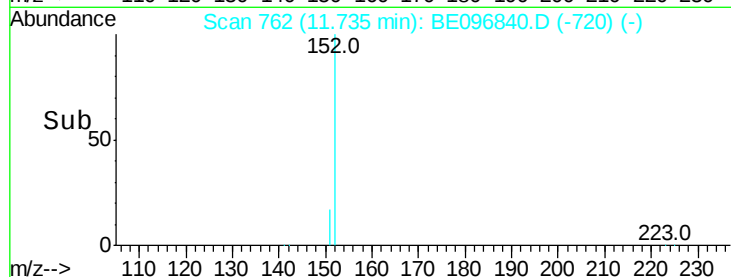
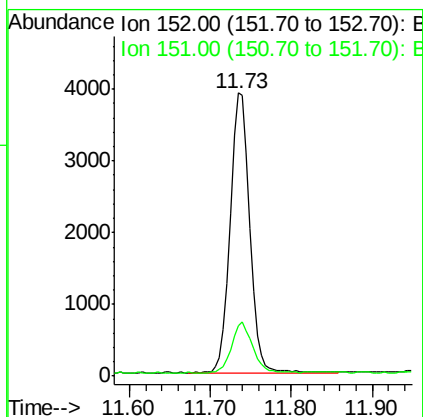
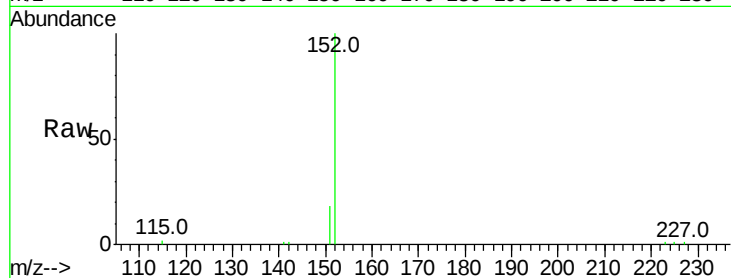




#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 11.73 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE096840.D
Acq: 21 Jun 2018 11:58

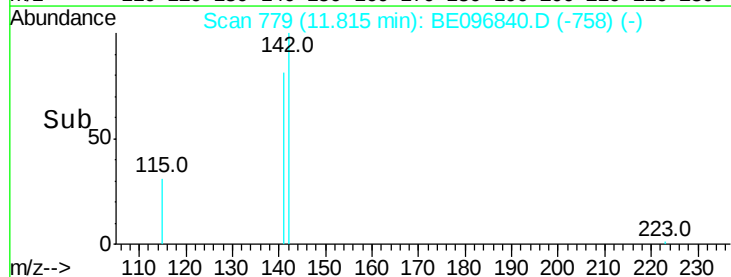
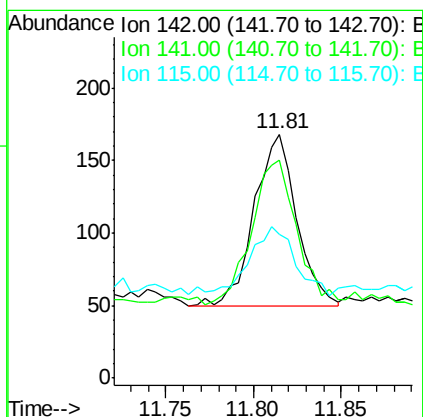
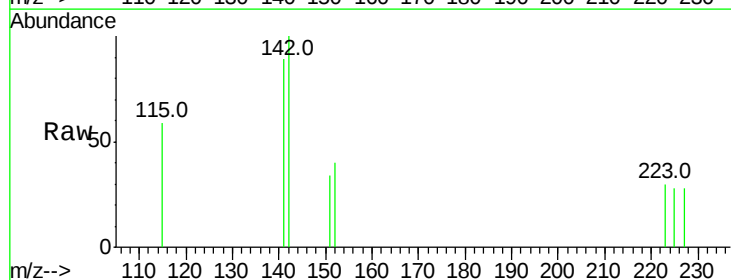
Instrument :
BNA_E
ClientSampleId :

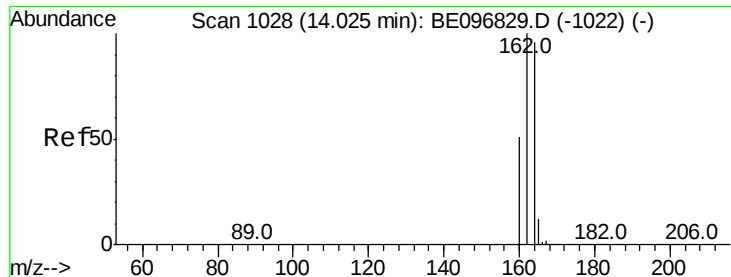
Tot Ion:152 Resp: 6484
Ion Ratio Lower Upper
152 100
151 18.9 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.011 ng
RT: 11.81 min Scan# 779
Delta R.T. 0.00 min
Lab File: BE096840.D
Acq: 21 Jun 2018 11:58

Tgt Ion:142 Resp: 200
Ion Ratio Lower Upper
142 100
141 89.3 70.4 105.6
115 58.9 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: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

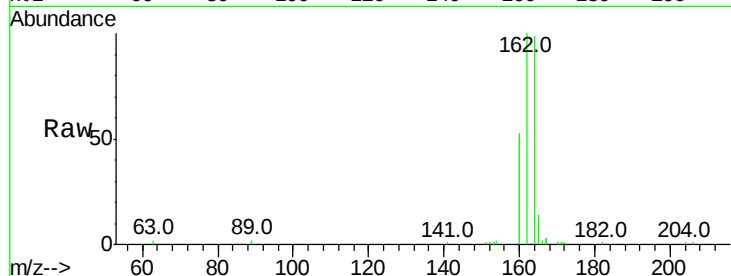
Tot Ion:164 Resp: 5974

Ion Ratio Lower Upper

164 100

162 100.8 83.1 124.7

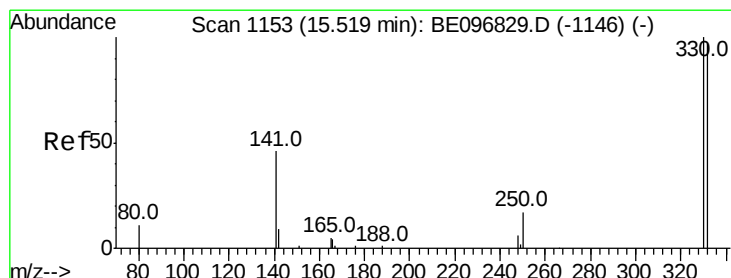
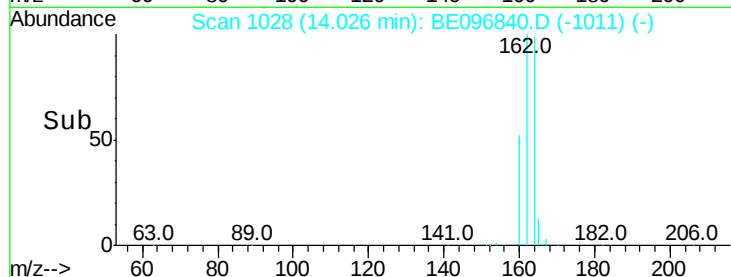
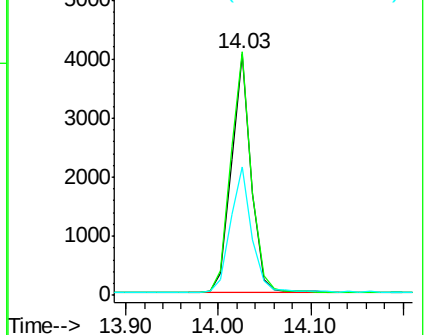
160 53.3 37.1 55.7



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: 0.402 ng

RT: 15.53 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

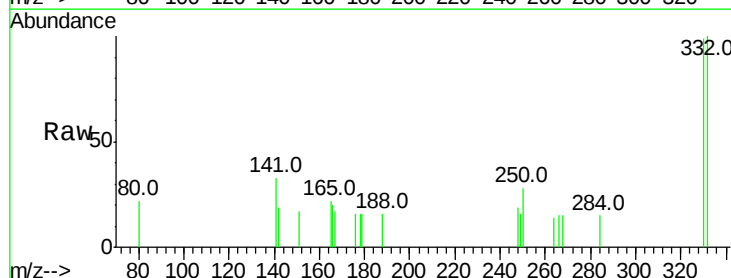
Tgt Ion:330 Resp: 497

Ion Ratio Lower Upper

330 100

332 99.6 152.7 229.1#

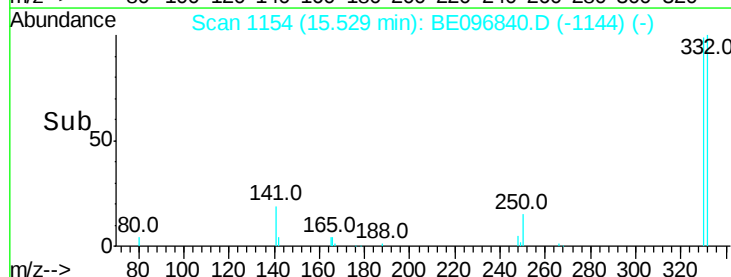
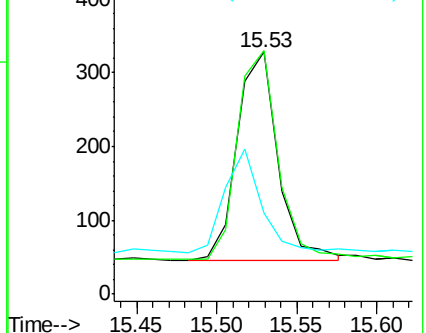
141 44.9 33.7 50.5

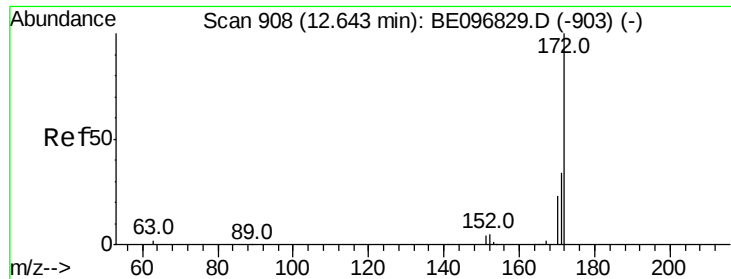


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

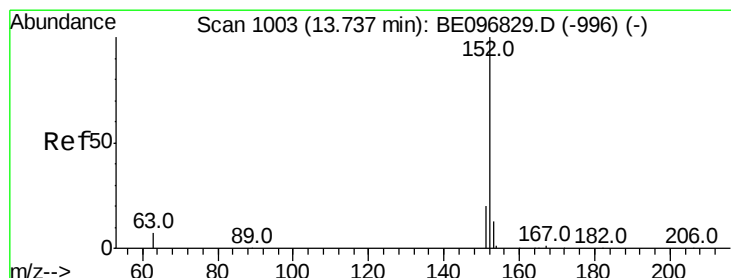
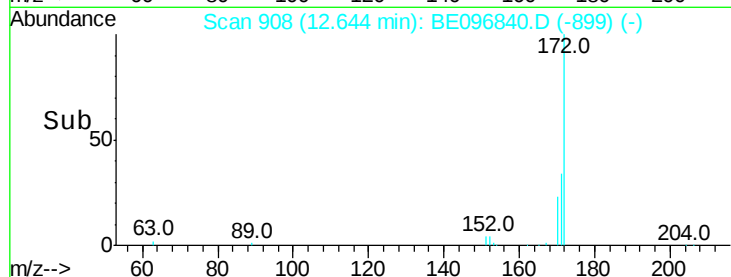
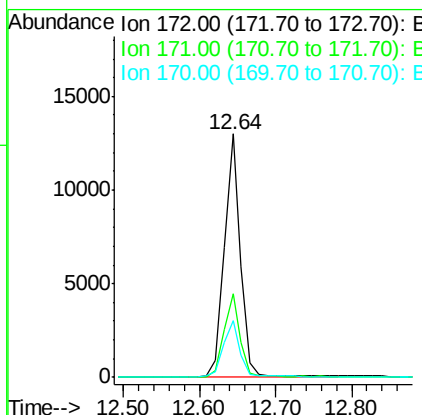
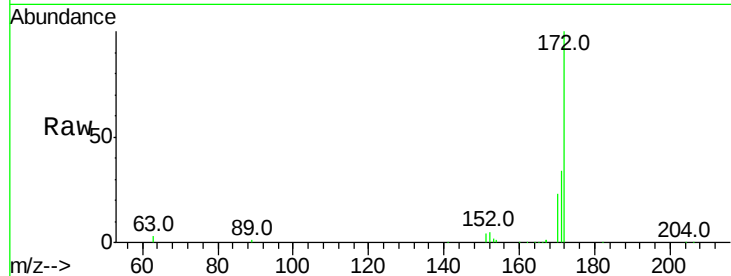




#15
2-Fluorobiphenyl
Concen: 0.871 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096840.D
Acq: 21 Jun 2018 11:58

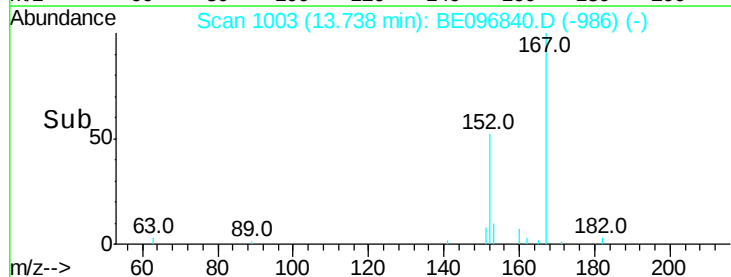
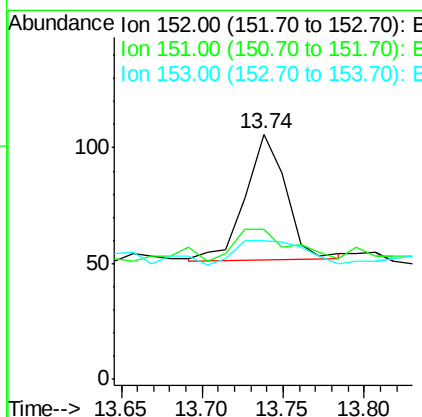
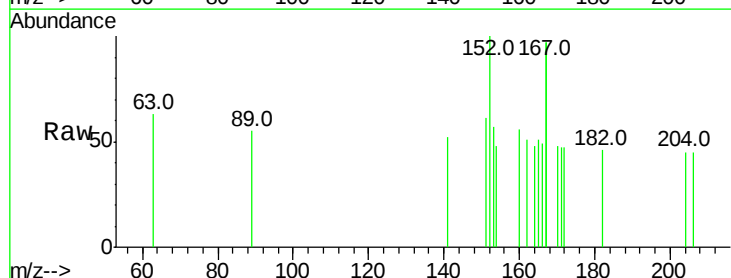
Instrument :
BNA_E
ClientSampleId :

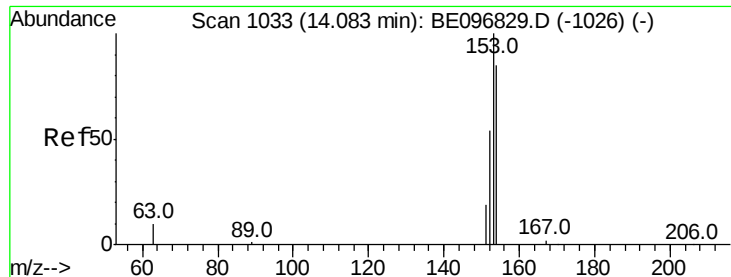
Tot Ion:172 Resp: 19038
Ion Ratio Lower Upper
172 100
171 34.3 29.9 44.9
170 23.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.004 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE096840.D
Acq: 21 Jun 2018 11:58

Tgt Ion:152 Resp: 95
Ion Ratio Lower Upper
152 100
151 43.2 15.7 23.5#
153 36.8 10.5 15.7#





#17

Acenaphthene

Concen: 0.006 ng

RT: 14.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

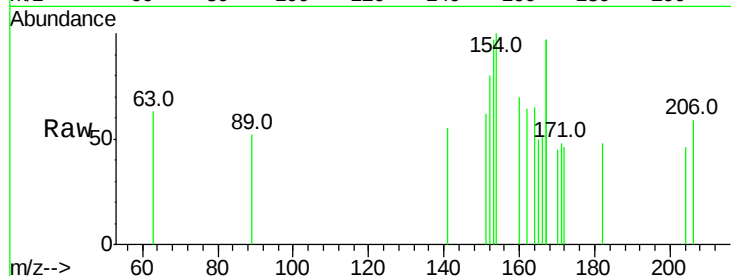
Tot Ion:154 Resp: 99

Ion Ratio Lower Upper

154 100

153 98.0 89.2 133.8

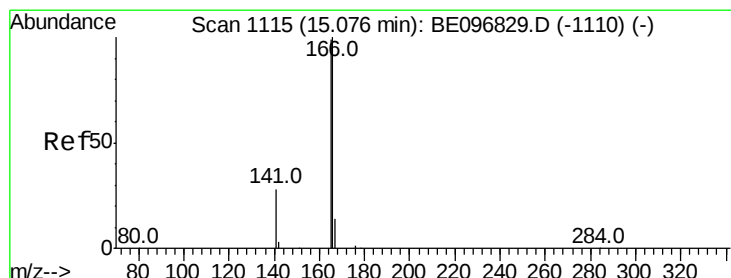
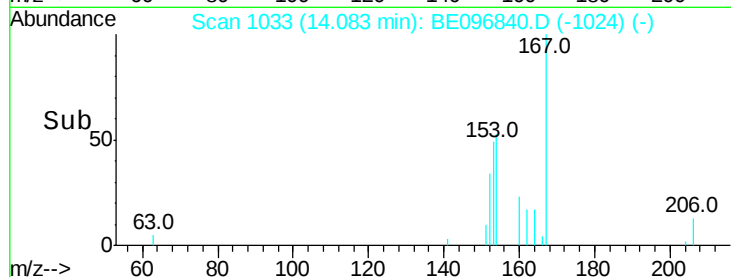
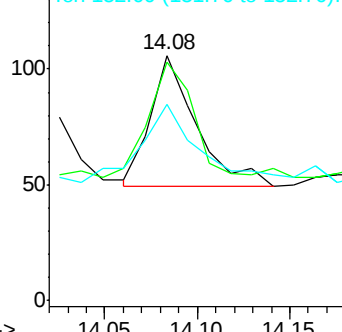
152 73.7 42.0 63.0#



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: 0.007 ng

RT: 15.07 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

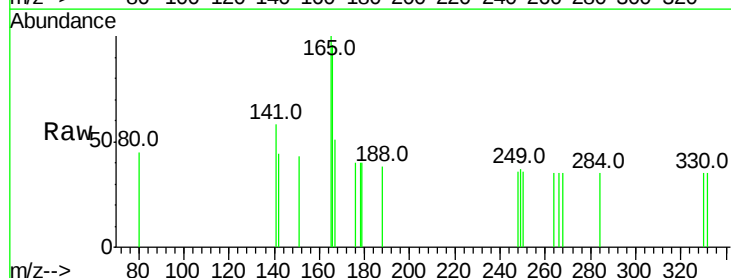
Tgt Ion:166 Resp: 150

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.6

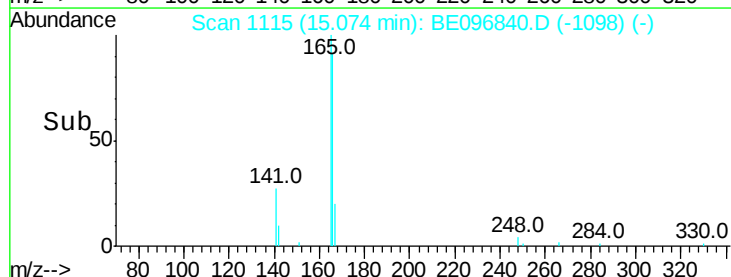
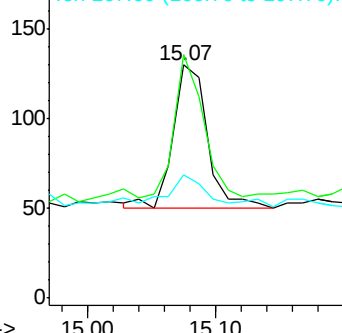
167 33.3 42.4 63.6#

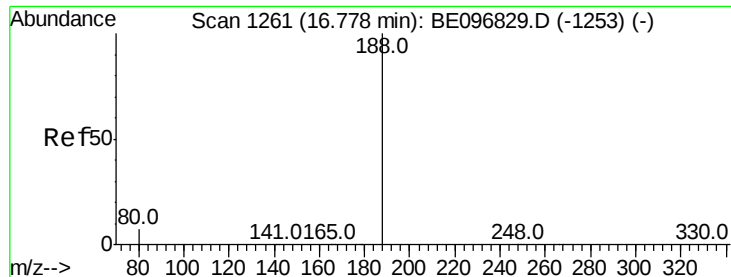


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

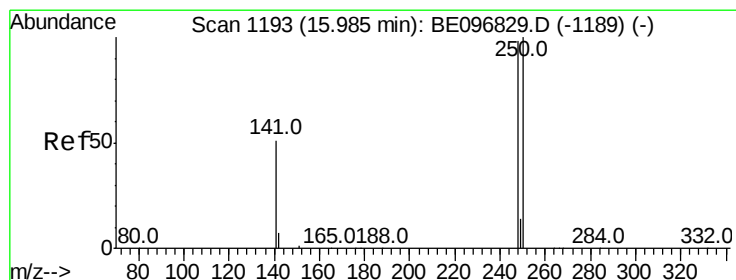
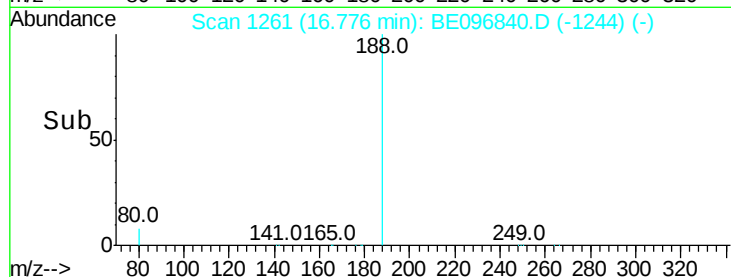
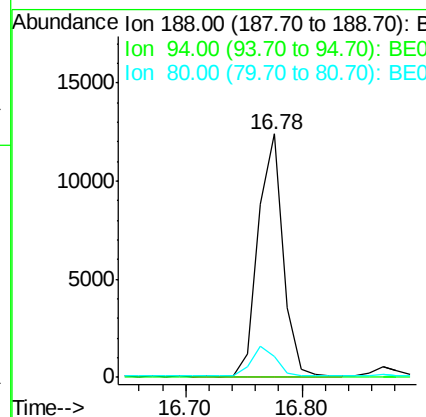
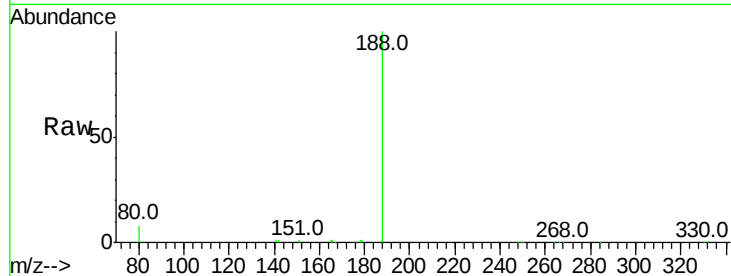




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE096840.D
Acq: 21 Jun 2018 11:58

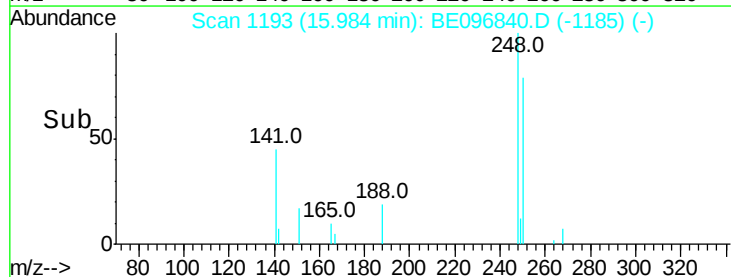
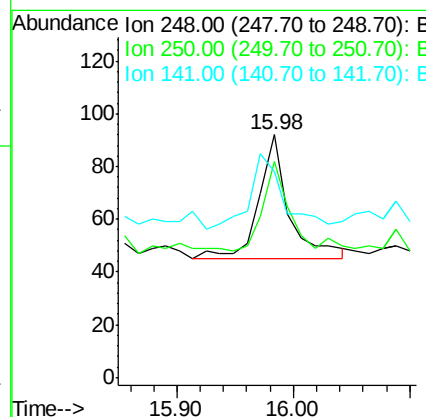
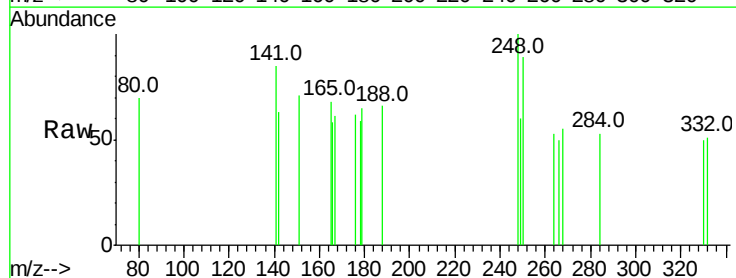
Instrument :
BNA_E
ClientSampleId :

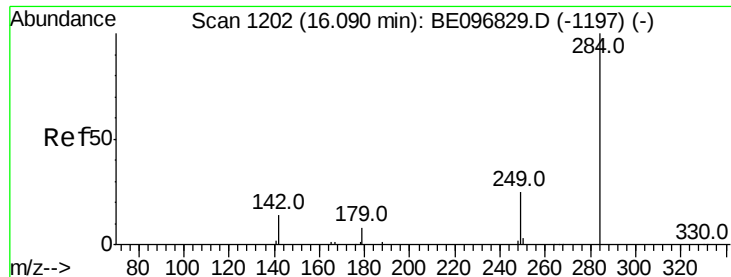
Tot Ion:188 Resp: 18426
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 8.4 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.010 ng
RT: 15.98 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE096840.D
Acq: 21 Jun 2018 11:58

Tgt Ion:248 Resp: 87
Ion Ratio Lower Upper
248 100
250 89.1 62.7 94.1
141 84.8 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.010 ng

RT: 16.09 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

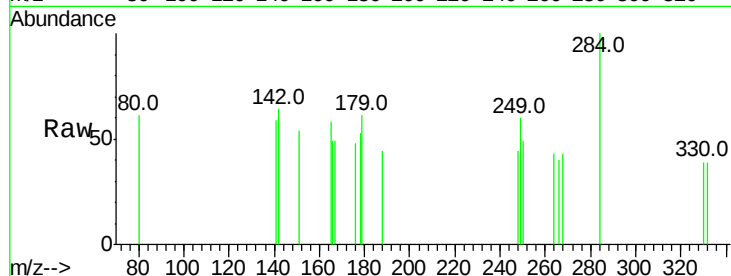
Tot Ion:284 Resp: 96

Ion Ratio Lower Upper

284 100

142 63.5 22.1 33.1#

249 46.9 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

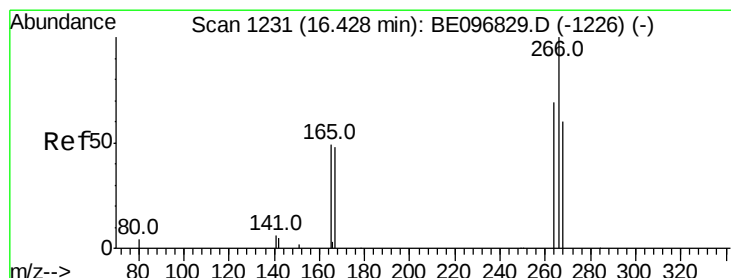
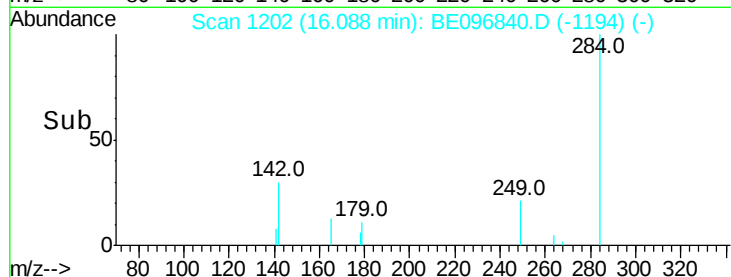
16.09

100

50

0

Time--> 16.00 16.05 16.10 16.15



#22

Pentachlorophenol

Concen: 0.048 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

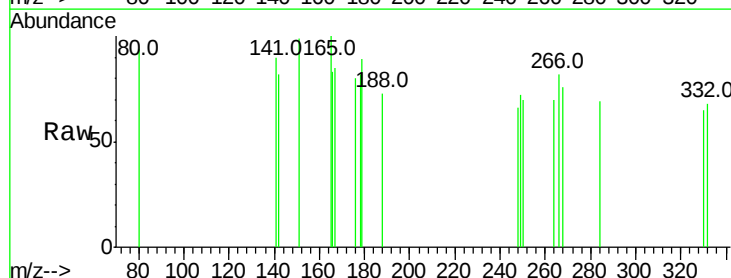
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

264 86.2 72.5 108.7

268 93.1 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

16.43

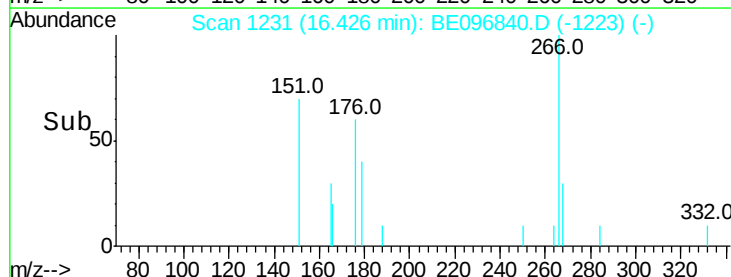
60

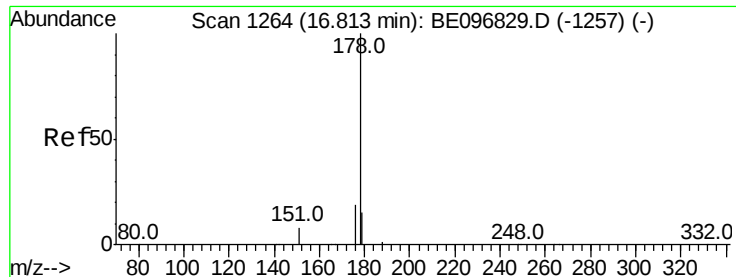
40

20

0

Time--> 16.40 16.45





#23

Phenanthrene

Concen: 0.010 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

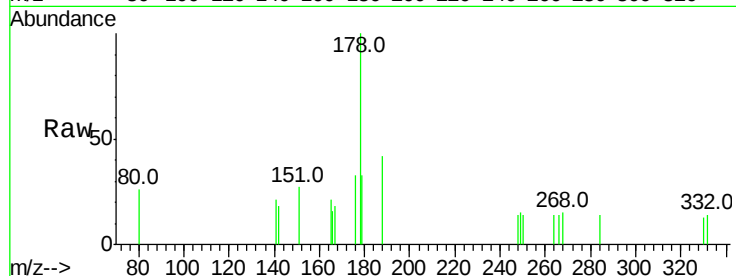
Tot Ion:178 Resp: 436

Ion Ratio Lower Upper

178 100

176 23.2 15.1 22.7#

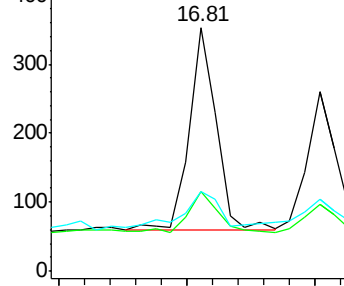
179 26.4 11.8 17.6#



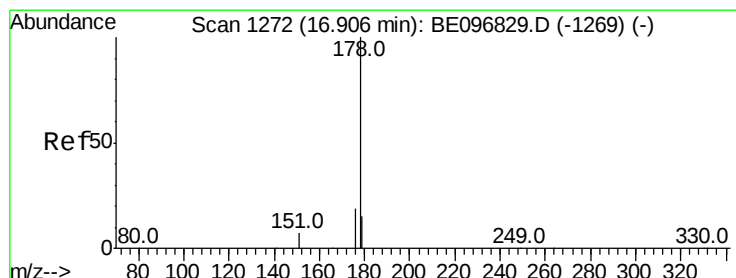
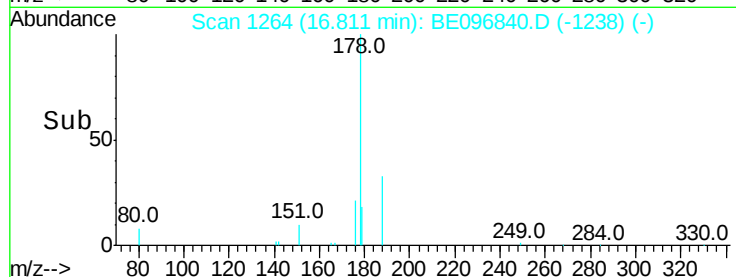
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.009 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

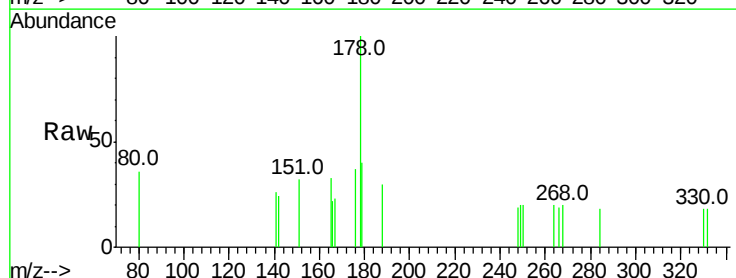
Tgt Ion:178 Resp: 328

Ion Ratio Lower Upper

178 100

176 24.1 12.8 19.2#

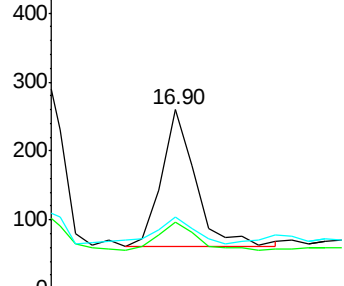
179 20.7 13.0 19.6#



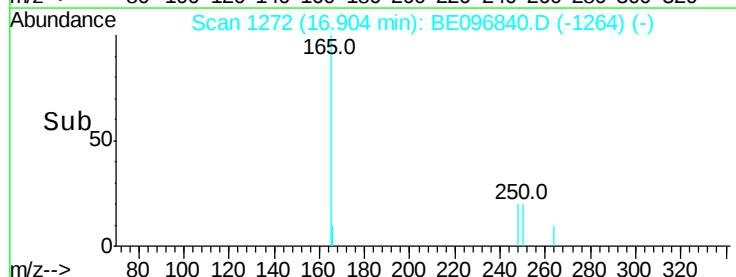
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.462 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

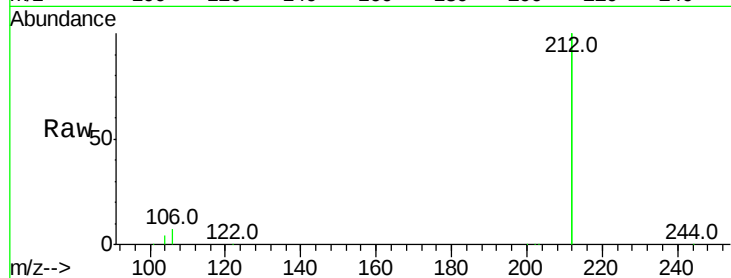
Tot Ion:212 Resp: 74938

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

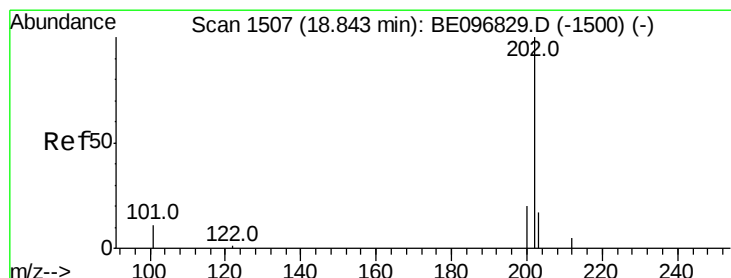
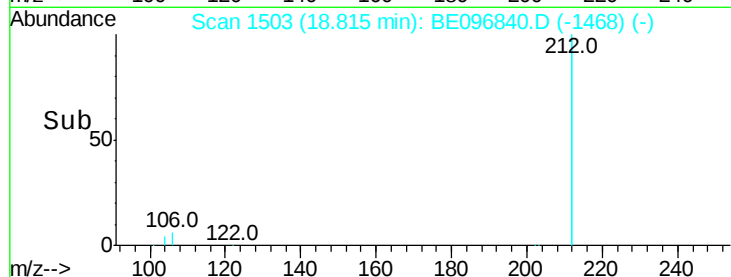
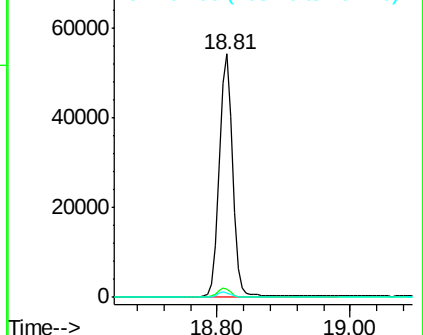
104 2.0 1.6 2.4



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: 0.012 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

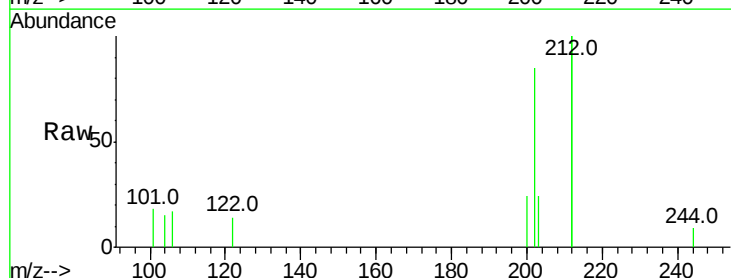
Tgt Ion:202 Resp: 570

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

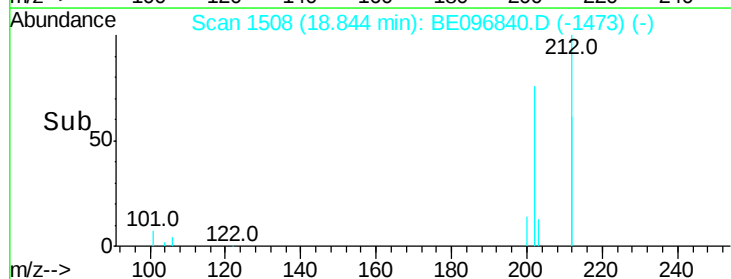
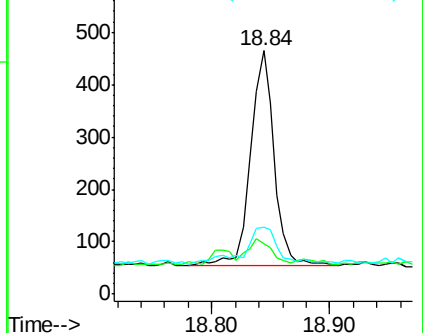
203 20.4 13.7 20.5



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: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

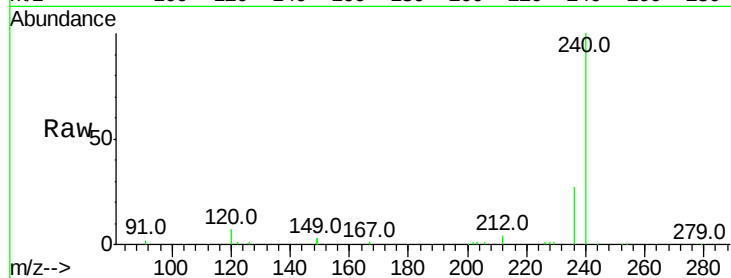
Tot Ion:240 Resp: 17296

Ion Ratio Lower Upper

240 100

120 7.0 5.5 8.3

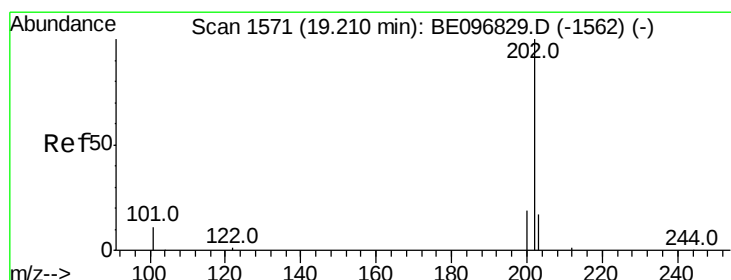
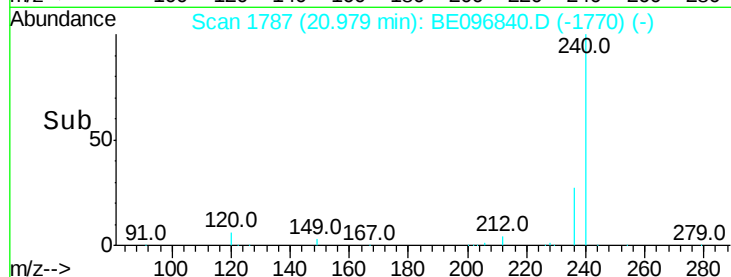
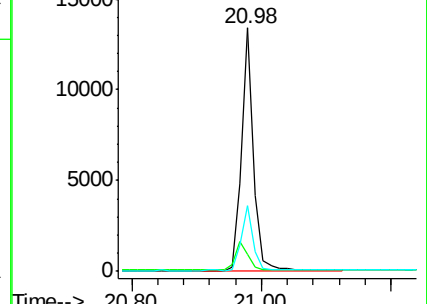
236 27.2 20.7 31.1



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: 0.011 ng

RT: 19.21 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

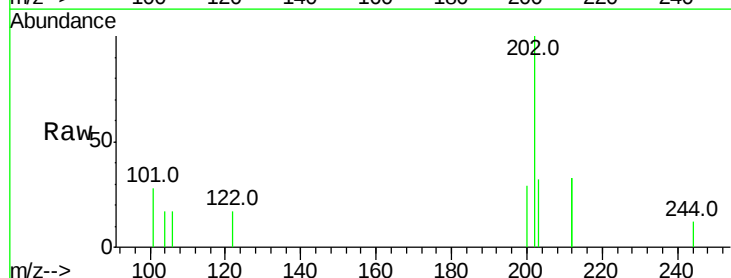
Tgt Ion:202 Resp: 559

Ion Ratio Lower Upper

202 100

200 17.9 16.6 25.0

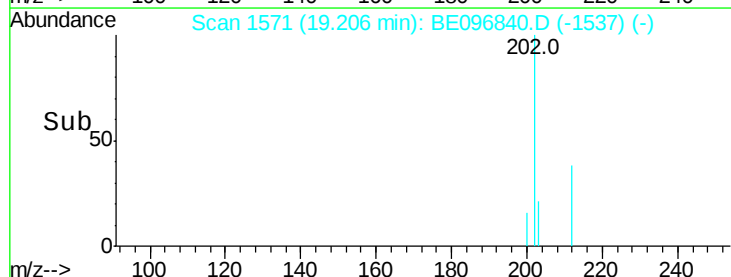
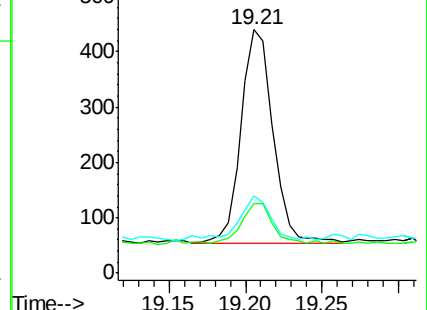
203 20.9 13.8 20.8#

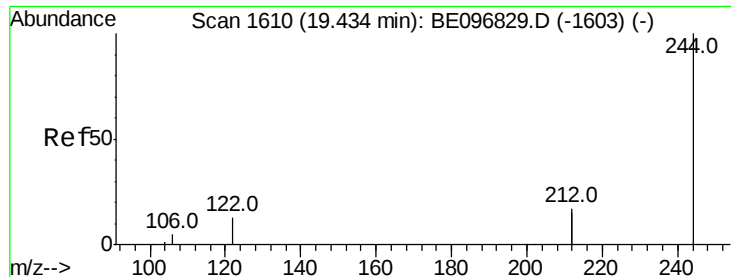


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.654 ng

RT: 19.44 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

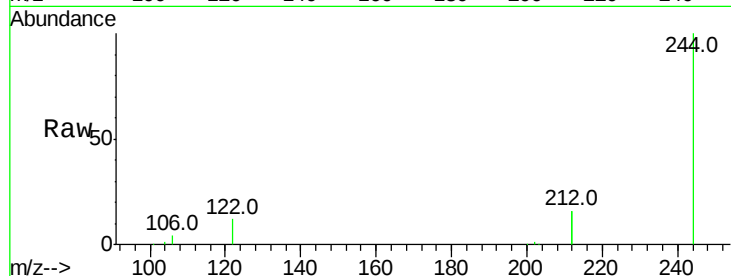
Tot Ion:244 Resp: 21816

Ion Ratio Lower Upper

244 100

212 31.7 25.4 38.0

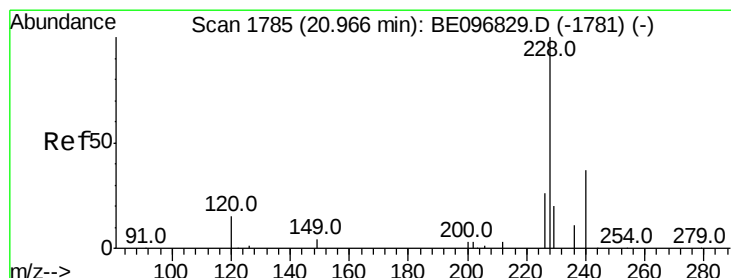
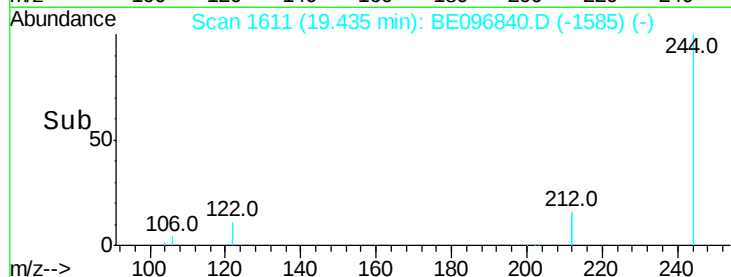
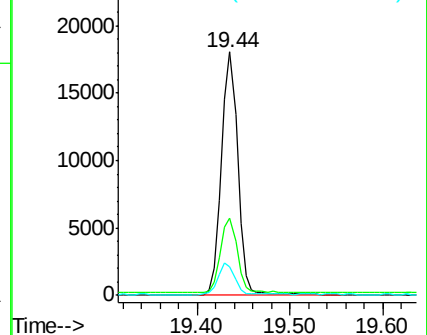
122 11.6 8.1 12.1



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: 0.013 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

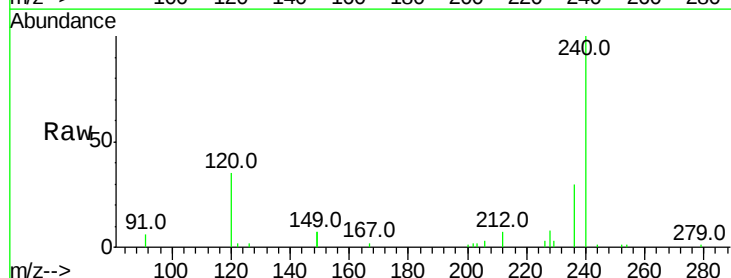
Tgt Ion:228 Resp: 516

Ion Ratio Lower Upper

228 100

226 38.4 24.0 36.0#

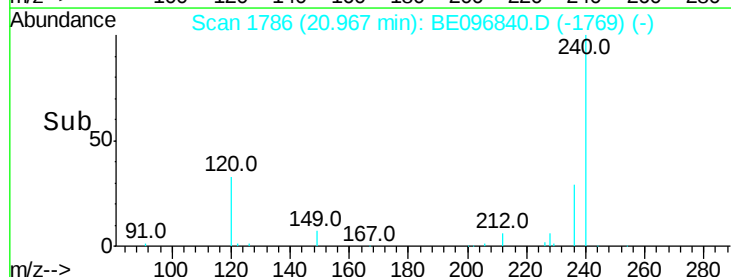
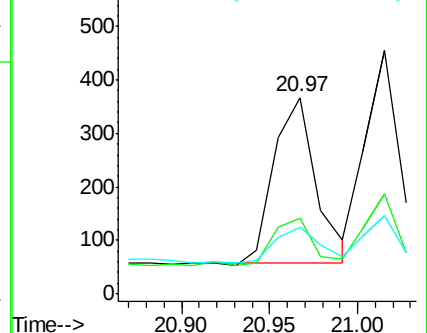
229 34.1 16.0 24.0#

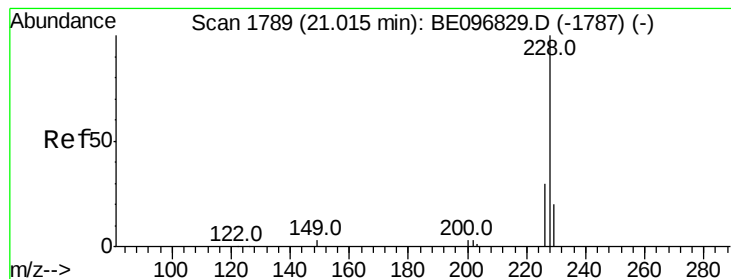


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.011 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

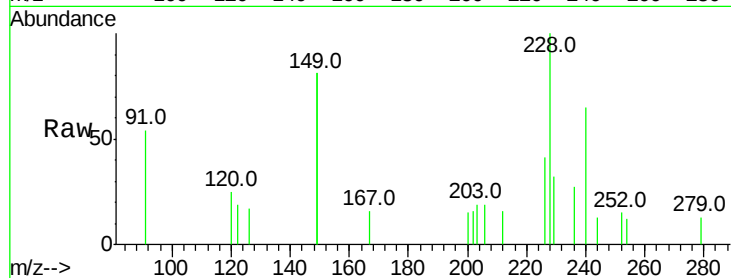
Tot Ion:228 Resp: 542

Ion Ratio Lower Upper

228 100

226 40.9 24.0 36.0#

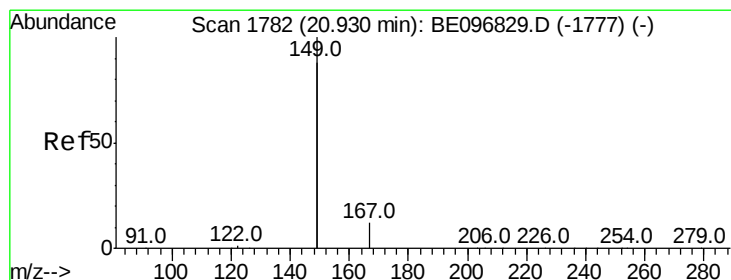
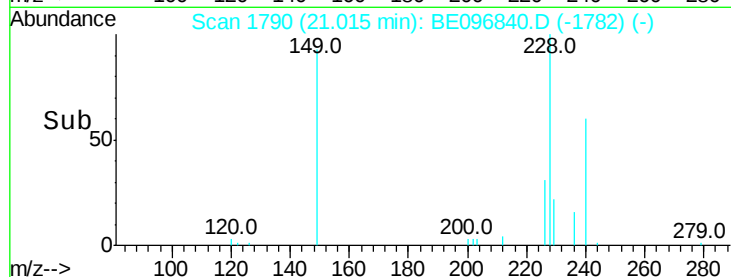
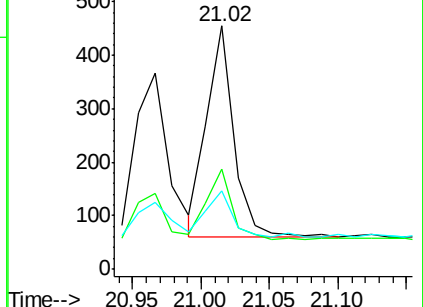
229 32.1 16.0 24.0#



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: 0.046 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

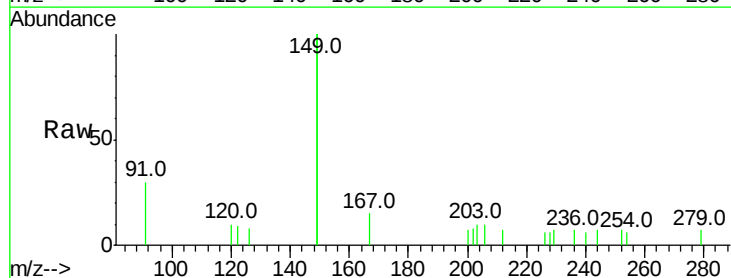
Tgt Ion:149 Resp: 1571

Ion Ratio Lower Upper

149 100

167 9.5 5.4 8.0#

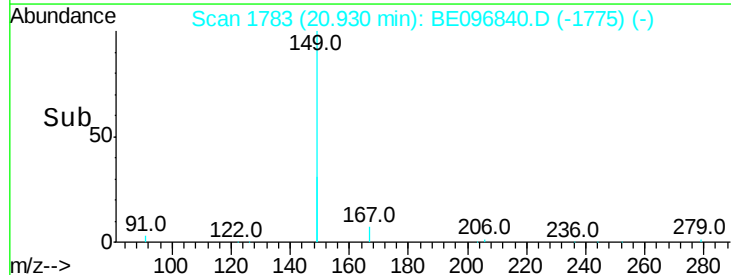
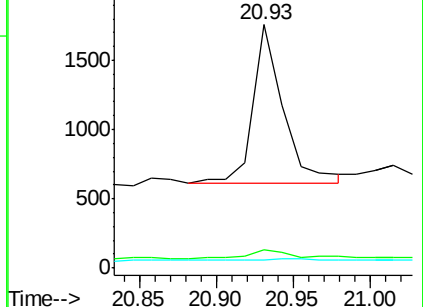
279 1.4 0.7 1.1#



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

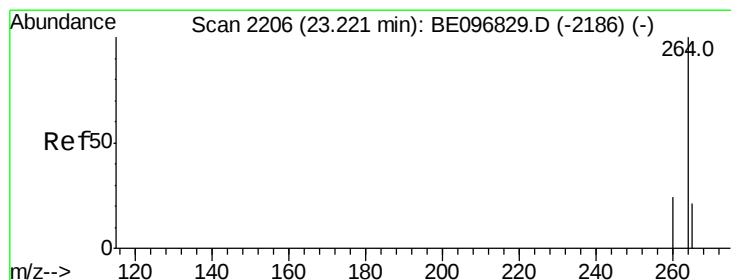
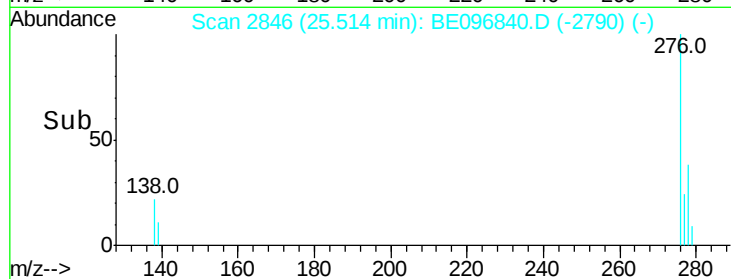
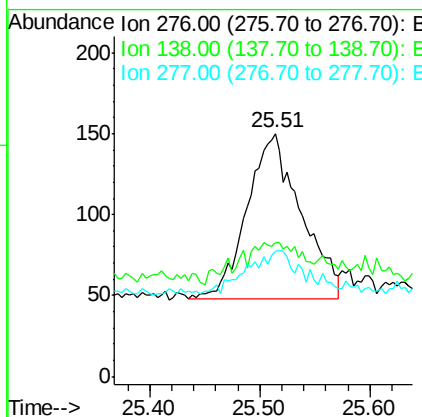
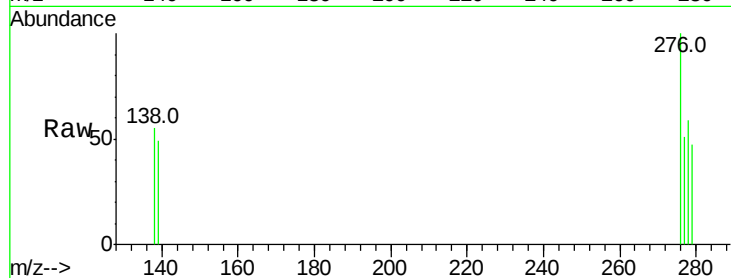




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.010 ng
 RT: 25.51 min Scan# 2846
 Delta R.T. -0.00 min
 Lab File: BE096840.D
 Acq: 21 Jun 2018 11:58

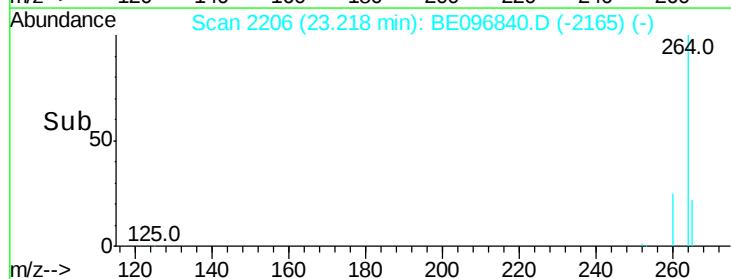
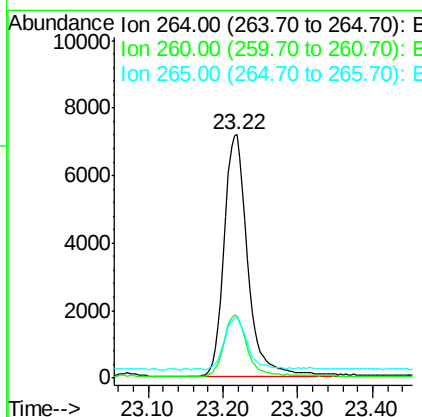
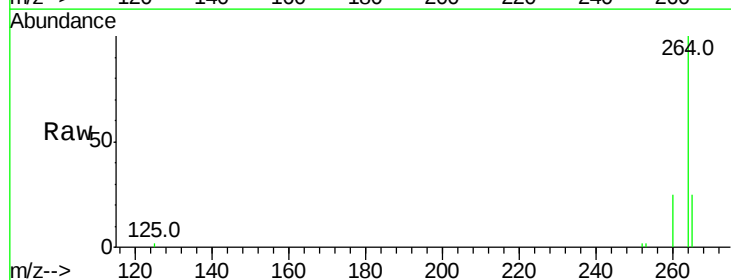
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 346
 Ion Ratio Lower Upper
 276 100
 138 4.6 22.5 33.7#
 277 23.4 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: BE096840.D
 Acq: 21 Jun 2018 11:58

Tgt Ion:264 Resp: 15640
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.5 30.7
 265 24.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.011 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

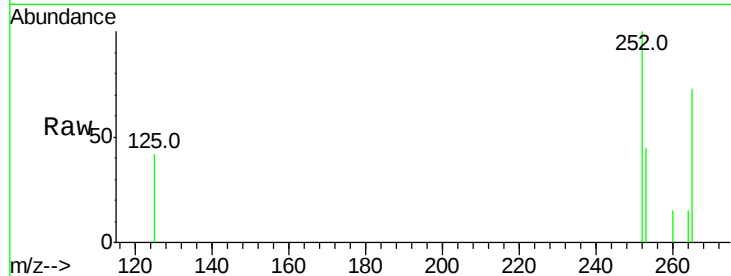
Tot Ion:252 Resp: 477

Ion Ratio Lower Upper

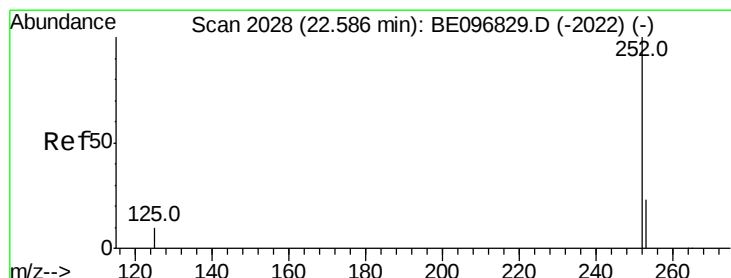
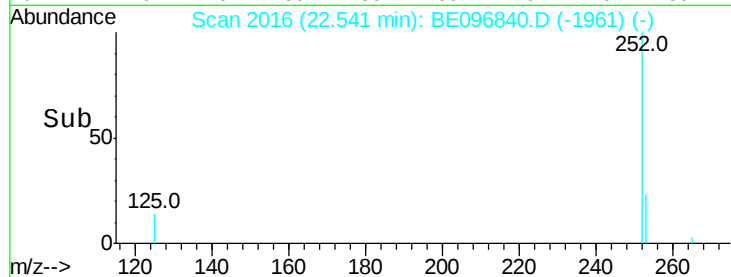
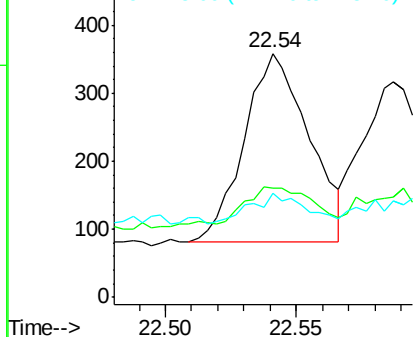
252 100

253 45.0 20.0 30.0#

125 42.5 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: 0.090 ng

RT: 22.59 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

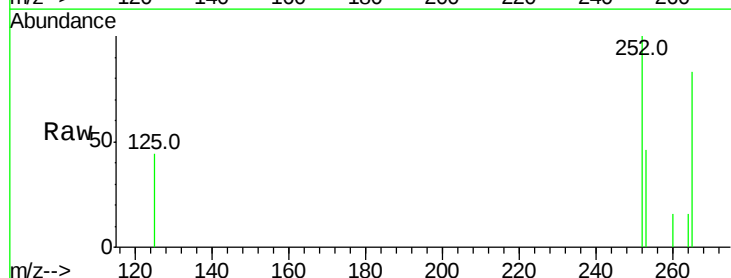
Tgt Ion:252 Resp: 412

Ion Ratio Lower Upper

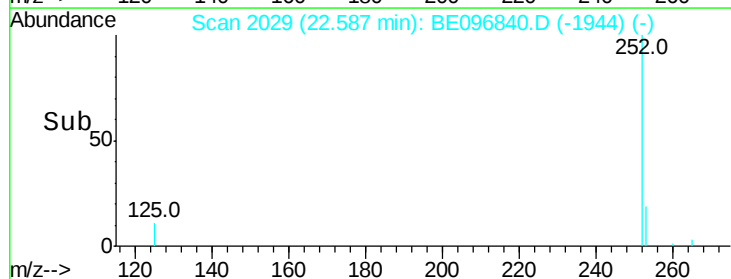
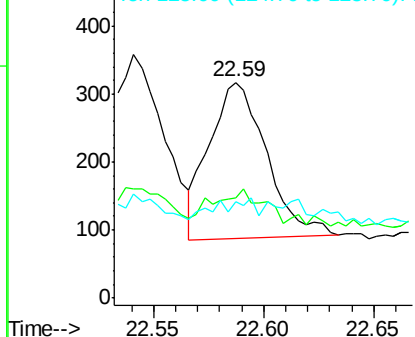
252 100

253 46.4 16.0 24.0#

125 44.5 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: 0.011 ng

RT: 23.11 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :

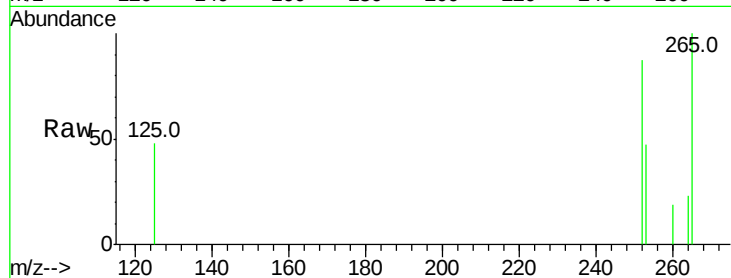
Tot Ion:252 Resp: 360

Ion Ratio Lower Upper

252 100

253 54.1 16.0 24.0#

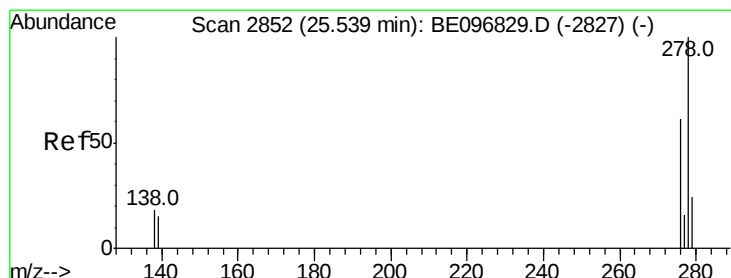
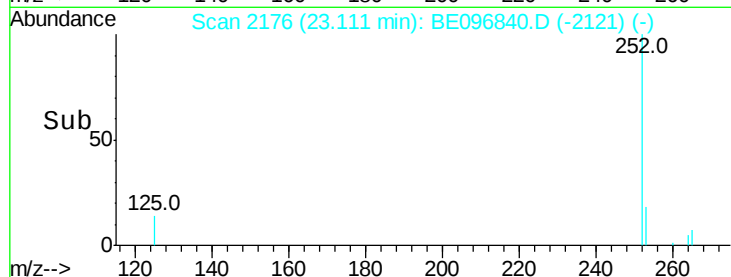
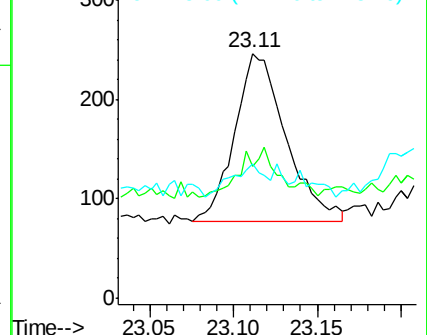
125 54.9 12.0 18.0#



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: 0.114 ng

RT: 25.54 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

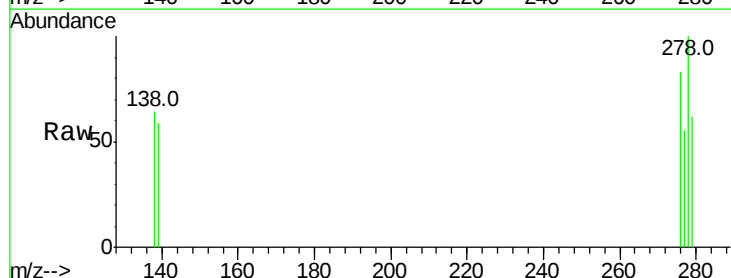
Tgt Ion:278 Resp: 224

Ion Ratio Lower Upper

278 100

139 59.2 16.0 24.0#

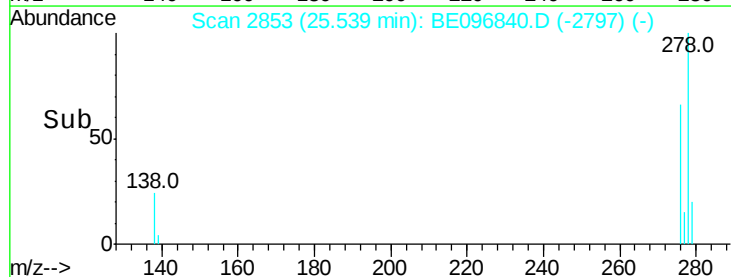
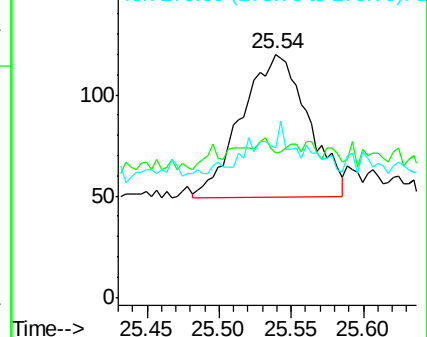
279 61.7 20.0 30.0#

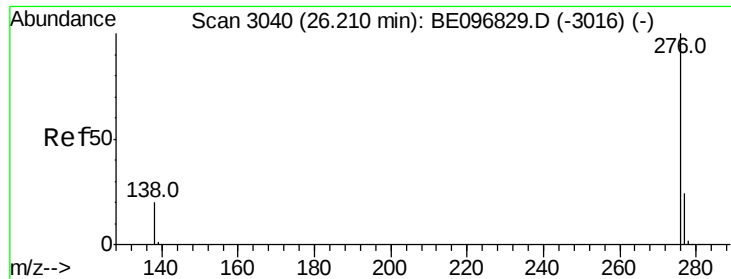


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.010 ng

RT: 26.21 min Scan# 3042

Delta R.T. 0.00 min

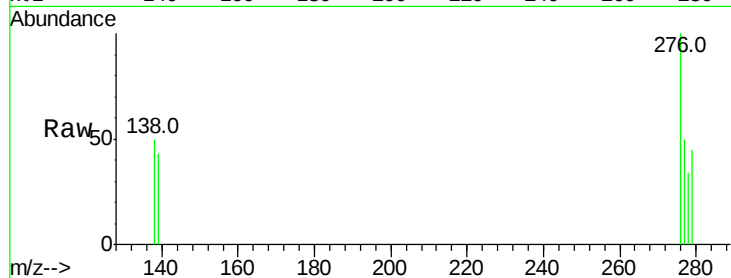
Lab File: BE096840.D

Acq: 21 Jun 2018 11:58

Instrument :

BNA_E

ClientSampleId :



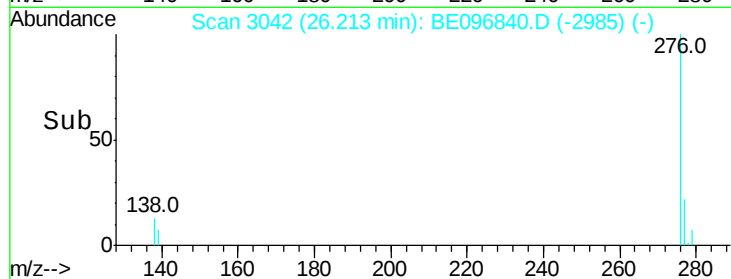
Tot Ion:276 Resp: 372

Ion Ratio Lower Upper

276 100

277 49.7 16.0 24.0#

138 49.7 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

26.21

150

100

50

0

Time-->

26.10

26.20

26.30