

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062618\
 Data File : BE096843.D
 Acq On : 26 Jun 2018 9:18
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 27 02:25:24 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	2886	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	14241	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	7716	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	19846	0.40	ng	0.00
27) Chrysene-d12	20.98	240	16361	0.40	ng	0.00
34) Perylene-d12	23.21	264	13820	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	2180	0.34	ng	0.00
5) Phenol-d6	6.59	99	3151	0.33	ng	0.00
8) Nitrobenzene-d5	8.53	82	3192	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7985	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	483	0.34	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	11563	0.41	ng	0.00
25) Fluoranthene-d10	18.82	212	64716	0.37	ng	0.00
29) Terphenyl-d14	19.44	244	12576	0.40	ng	0.00

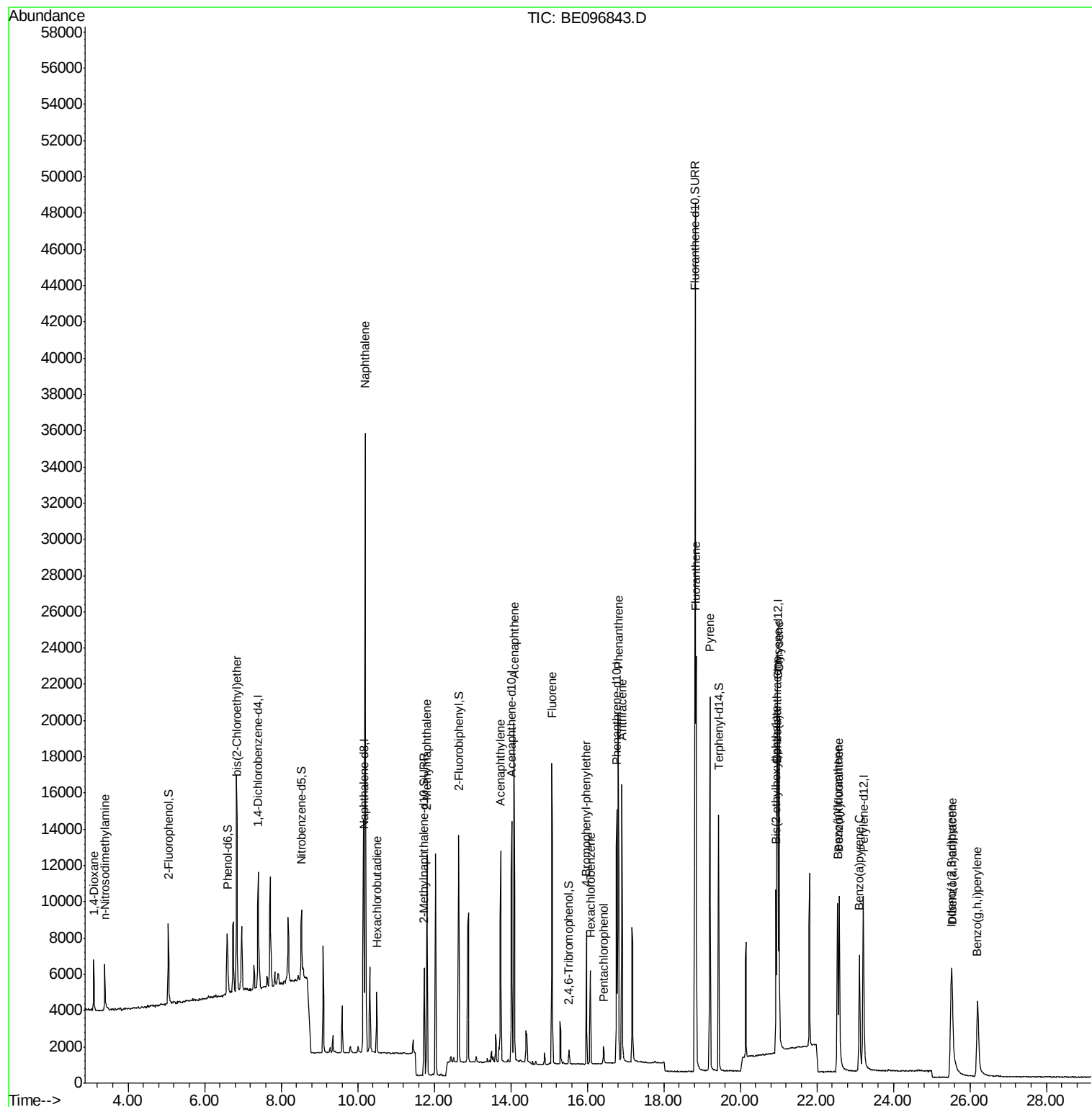
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	1594	0.369	ng	# 86
3) n-Nitrosodimethylamine	3.38	42	1750	0.382	ng	# 86
6) bis(2-Chloroethyl)ether	6.85	93	4043	0.383	ng	95
9) Naphthalene	10.20	128	51432	0.398	ng	99
10) Hexachlorobutadiene	10.50	225	2089	0.388	ng	99
12) 2-Methylnaphthalene	11.81	142	8410	0.392	ng	99
16) Acenaphthylene	13.74	152	12832	0.384	ng	100
17) Acenaphthene	14.08	154	8594	0.389	ng	# 91
18) Fluorene	15.07	166	9797	0.377	ng	# 81
20) 4-Bromophenyl-phenylether	15.98	248	3562	0.398	ng	# 83
21) Hexachlorobenzene	16.09	284	4229	0.415	ng	# 80
22) Pentachlorophenol	16.43	266	536	0.363	ng	# 78
23) Phenanthrene	16.81	178	19096	0.391	ng	99
24) Anthracene	16.90	178	15407	0.381	ng	96
26) Fluoranthene	18.84	202	19659	0.399	ng	99
28) Pyrene	19.21	202	18933	0.400	ng	99
30) Benzo(a)anthracene	20.96	228	13421	0.370	ng	98
31) Chrysene	21.02	228	16915	0.378	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	9484	0.292	ng	100
33) Indeno(1,2,3-cd)pyrene	25.51	276	11183	0.336	ng	# 82
35) Benzo(b)fluoranthene	22.54	252	12315	0.327	ng	# 88
36) Benzo(k)fluoranthene	22.59	252	15602	0.378	ng	96
37) Benzo(a)pyrene	23.11	252	10437	0.348	ng	# 94
38) Dibenzo(a,h)anthracene	25.53	278	9324	0.340	ng	96
39) Benzo(g,h,i)perylene	26.20	276	11364	0.339	ng	# 93

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

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 27 02:25:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
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QLast Update : Wed Jun 20 15:45:14 2018
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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: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

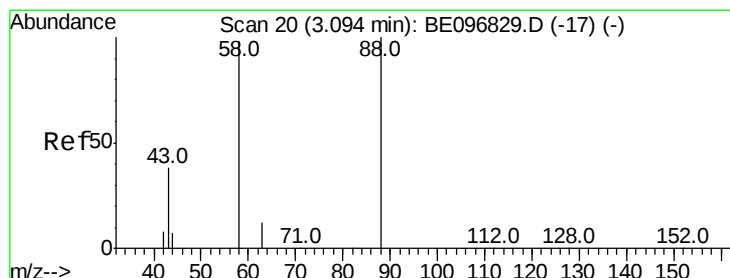
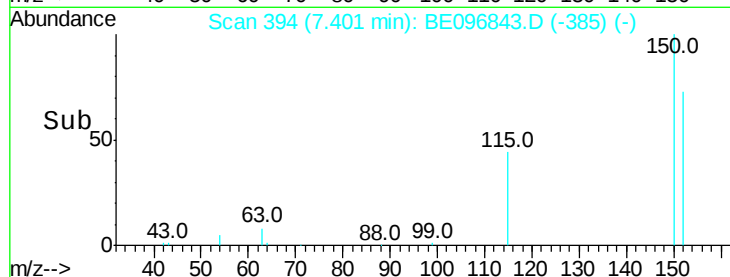
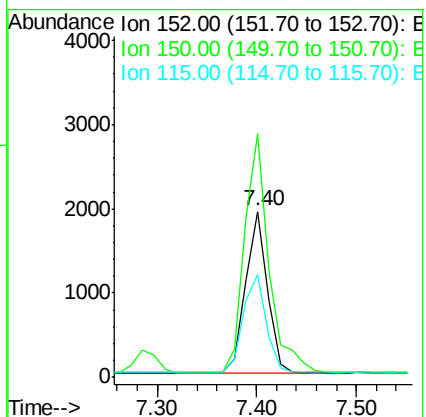
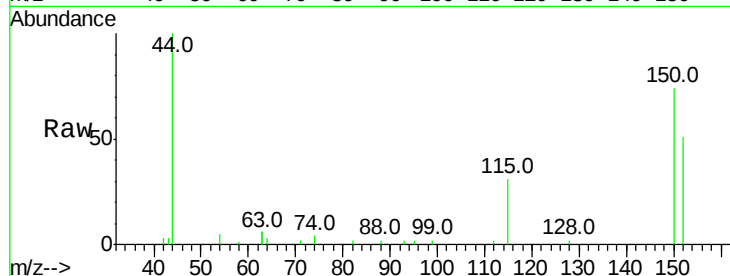
Tot Ion:152 Resp: 2886

Ion Ratio Lower Upper

152 100

150 146.7 117.2 175.8

115 61.9 57.0 85.6



#2

1,4-Dioxane

Concen: 0.369 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

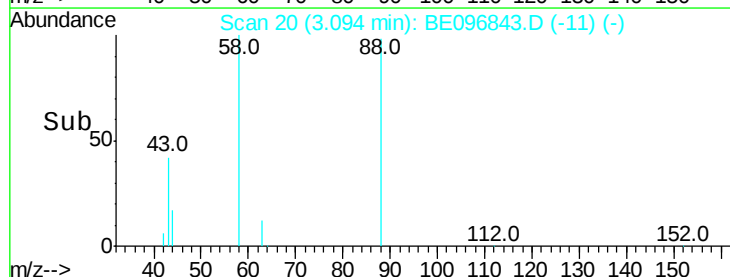
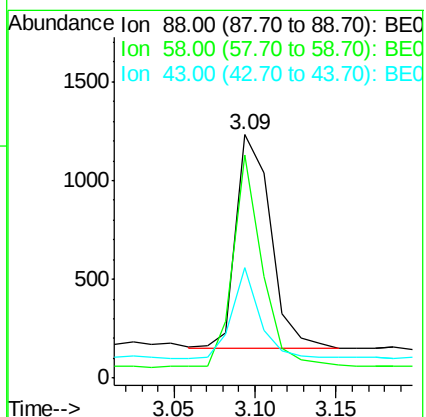
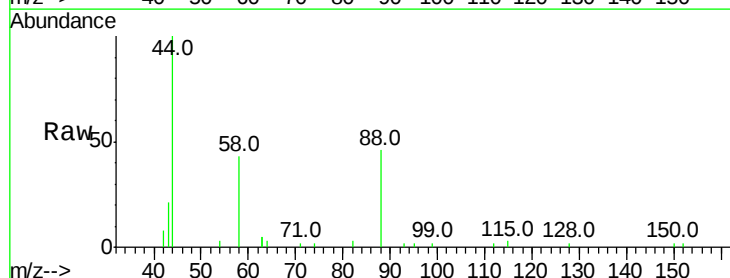
Tgt Ion: 88 Resp: 1594

Ion Ratio Lower Upper

88 100

58 85.6 63.2 94.8

43 34.3 41.2 61.8#



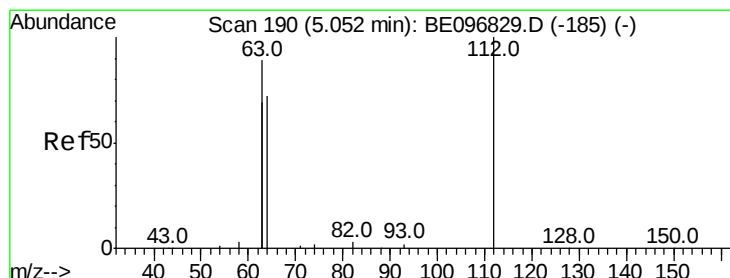
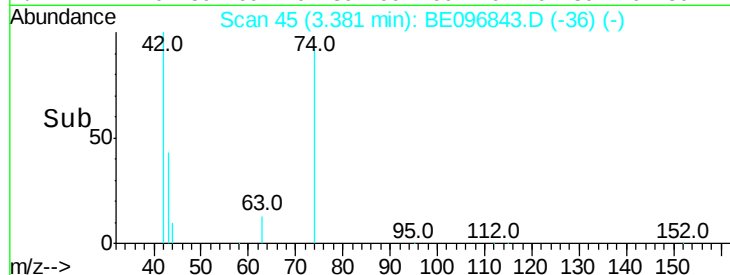
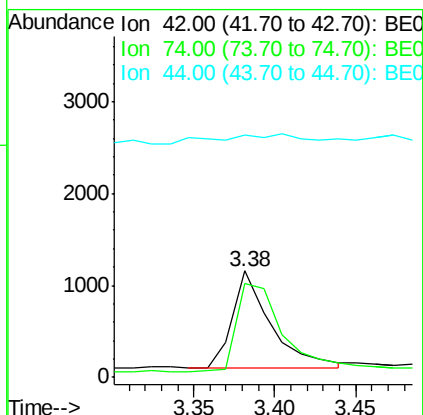
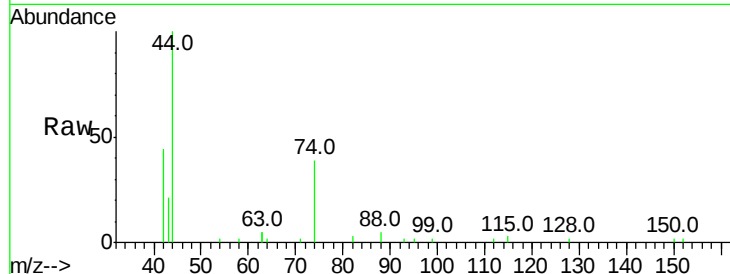


#3

n-Nitrosodimethylamine
 Concen: 0.382 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE096843.D
 Acq: 26 Jun 2018 9:18

Instrument :
 BNA_E
 ClientSampleId :

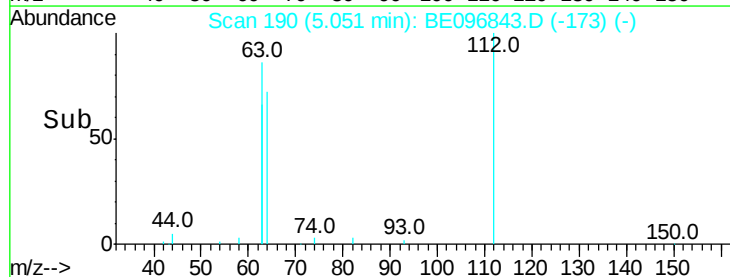
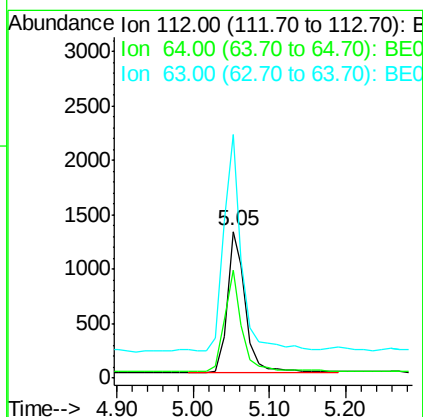
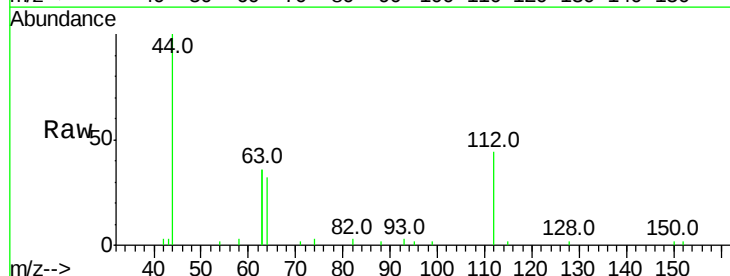
Tot Ion: 42 Resp: 1750
 Ion Ratio Lower Upper
 42 100
 74 107.3 96.0 144.0
 44 0.0 12.0 18.0#

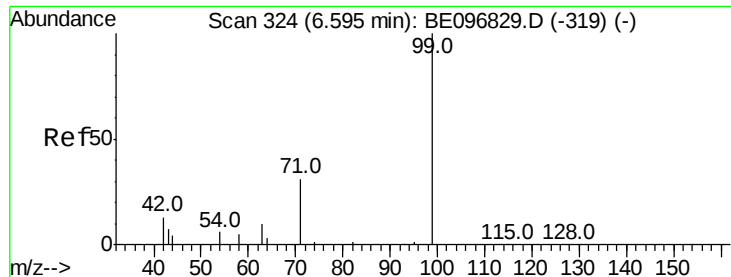


#4

2-Fluorophenol
 Concen: 0.338 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE096843.D
 Acq: 26 Jun 2018 9:18

Tgt Ion: 112 Resp: 2180
 Ion Ratio Lower Upper
 112 100
 64 69.1 60.1 90.1
 63 150.6 116.8 175.2





#5

Phenol-d6

Concen: 0.327 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampled :

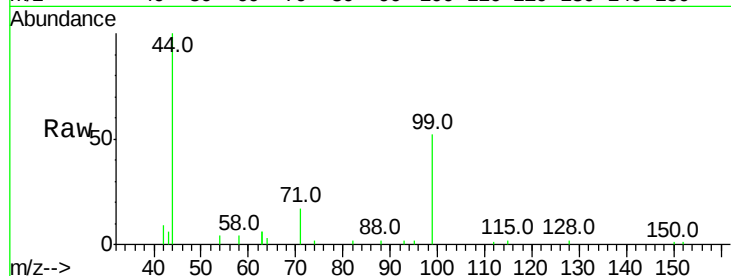
Tot Ion: 99 Resp: 3151

Ion Ratio Lower Upper

99 100

42 24.5 20.2 30.2

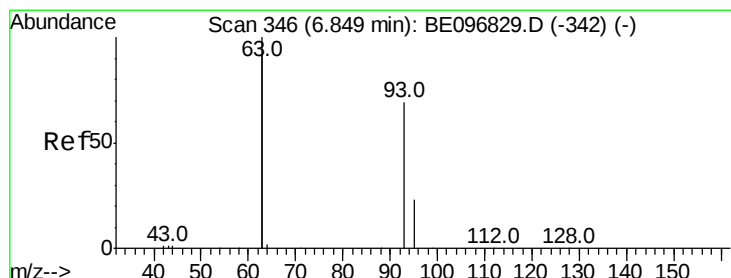
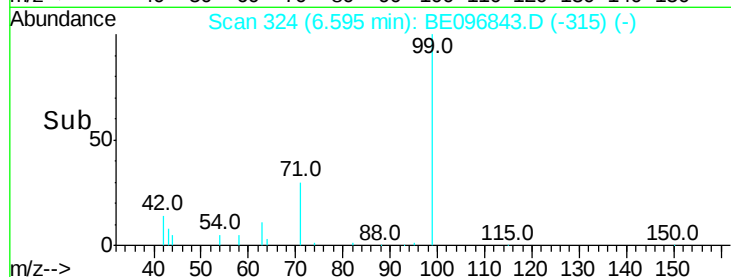
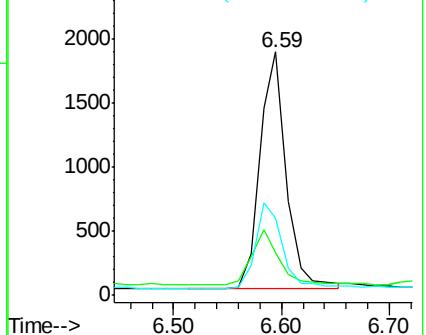
71 36.0 28.4 42.6



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: 0.383 ng

RT: 6.85 min Scan# 346

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

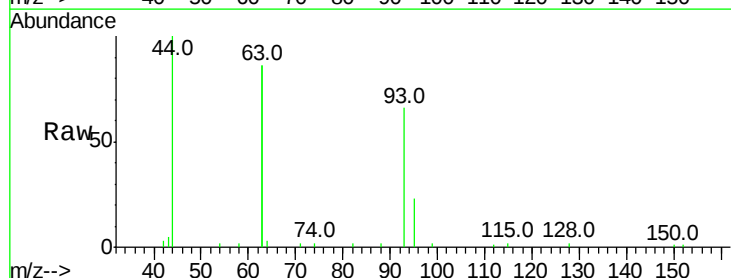
Tgt Ion: 93 Resp: 4043

Ion Ratio Lower Upper

93 100

63 333.8 275.3 412.9

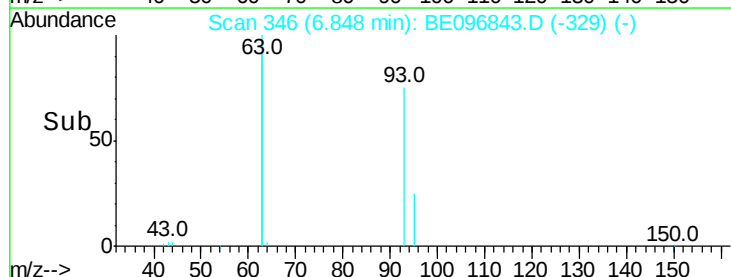
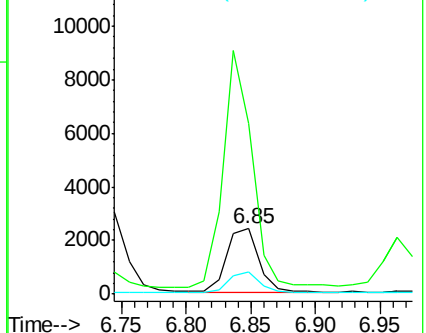
95 32.5 25.2 37.8

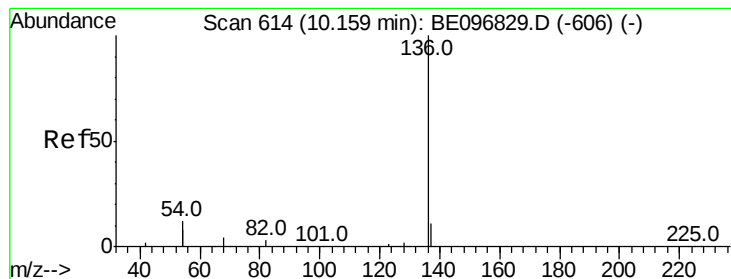


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14241

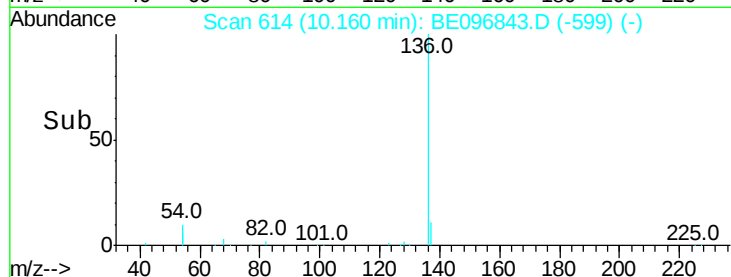
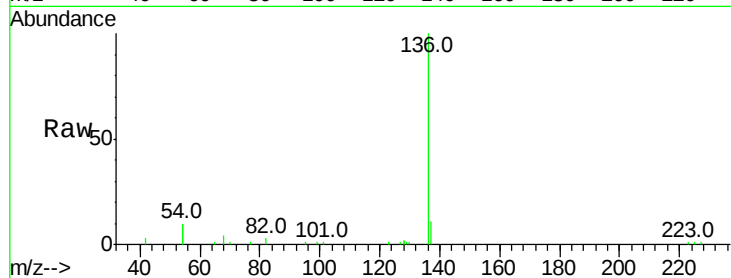
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 19.1 29.1 43.7#

68 4.0 6.2 9.2#

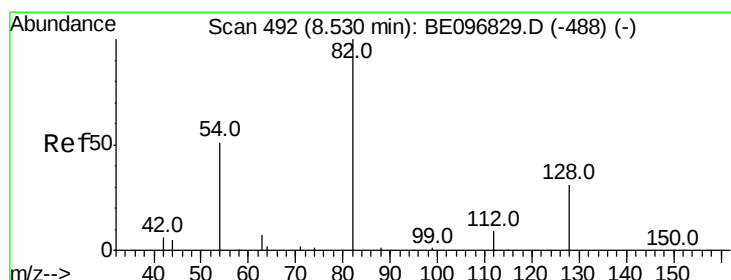
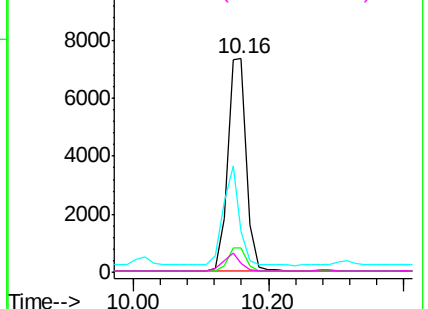


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.370 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

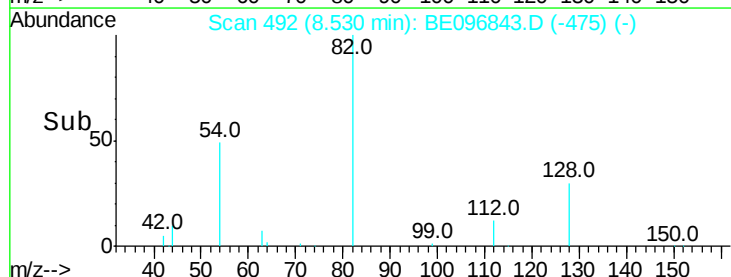
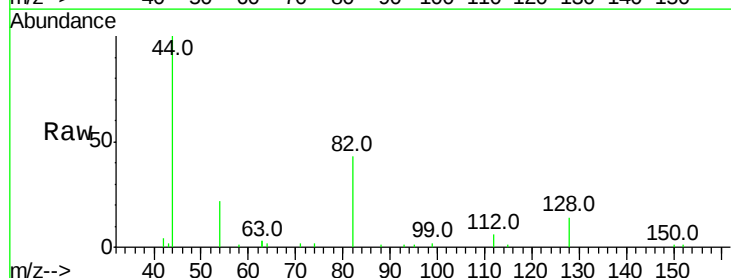
Tgt Ion: 82 Resp: 3192

Ion Ratio Lower Upper

82 100

128 31.9 24.0 36.0

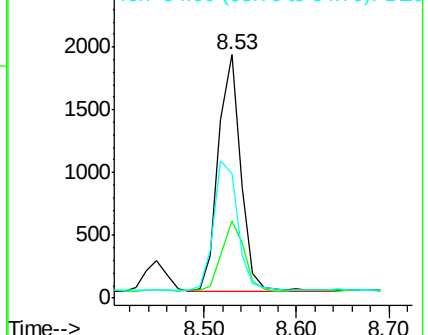
54 51.1 40.0 60.0

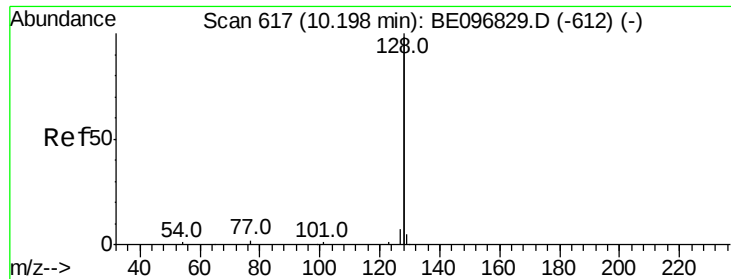


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.398 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

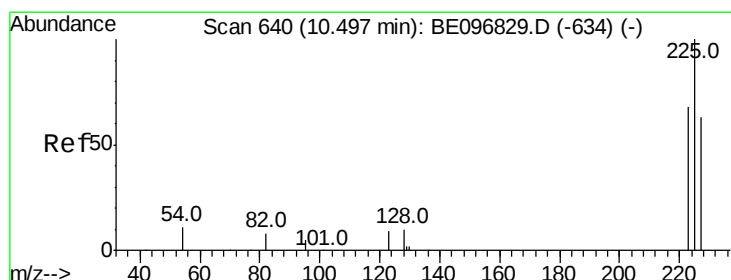
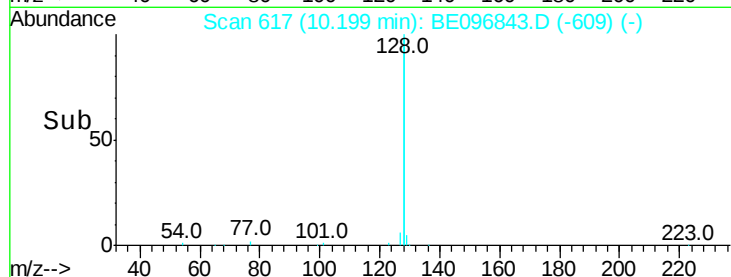
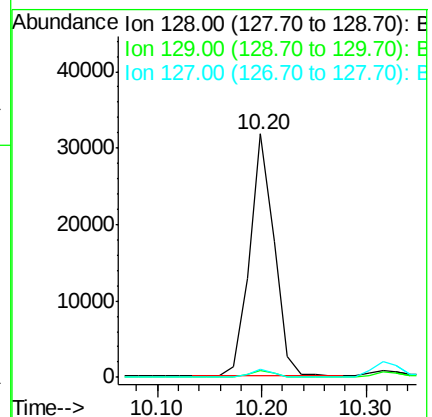
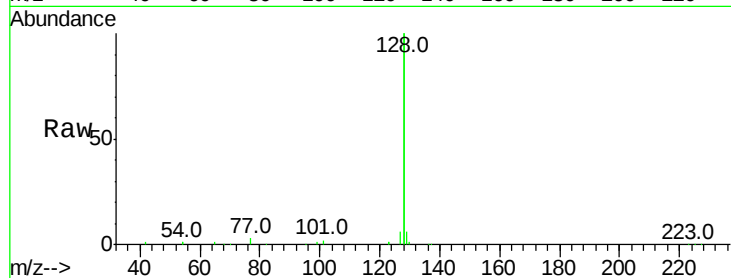
Tot Ion:128 Resp: 51432

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

127 3.2 2.8 4.2



#10

Hexachlorobutadiene

Concen: 0.388 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

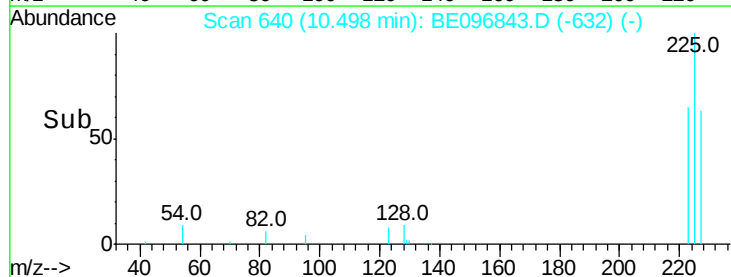
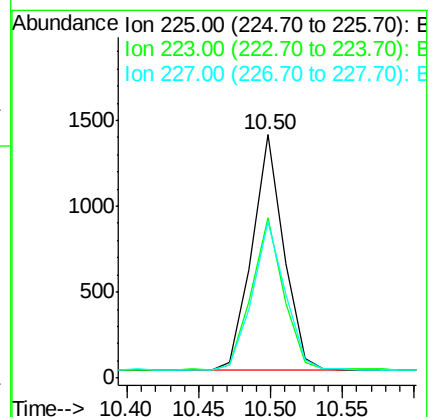
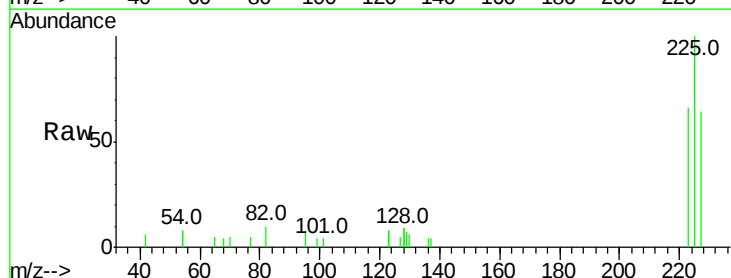
Tgt Ion:225 Resp: 2089

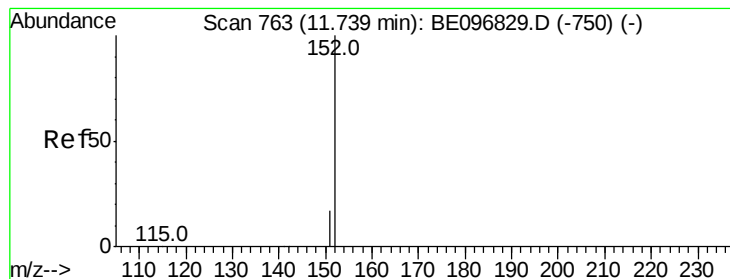
Ion Ratio Lower Upper

225 100

223 65.6 53.0 79.6

227 65.2 51.4 77.2





#11

2-Methylnaphthalene-d10

Concen: 0.390 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

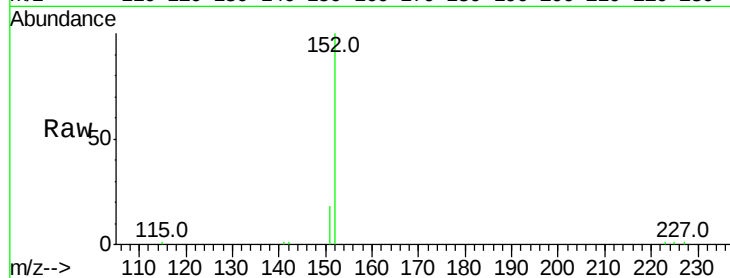
ClientSampleId :

Tot Ion:152 Resp: 7985

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

6000

5000

4000

3000

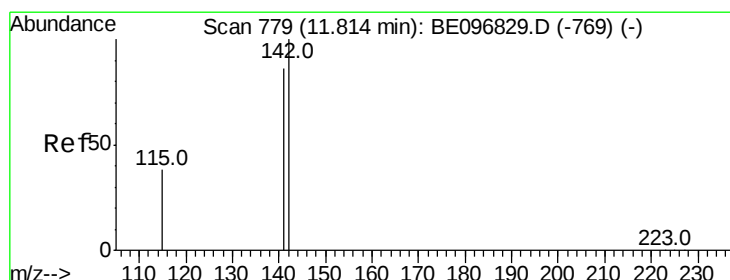
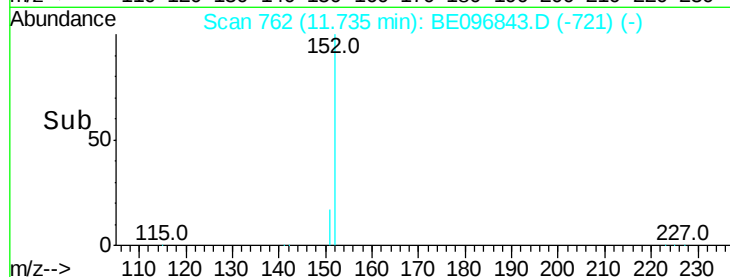
2000

1000

0

Time-->

11.65 11.70 11.75 11.80



#12

2-Methylnaphthalene

Concen: 0.392 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

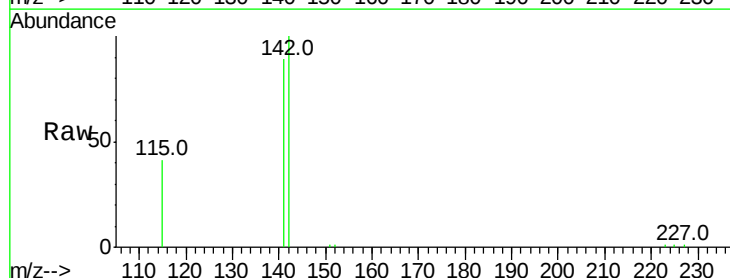
Tgt Ion:142 Resp: 8410

Ion Ratio Lower Upper

142 100

141 89.0 70.4 105.6

115 40.9 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.81

6000

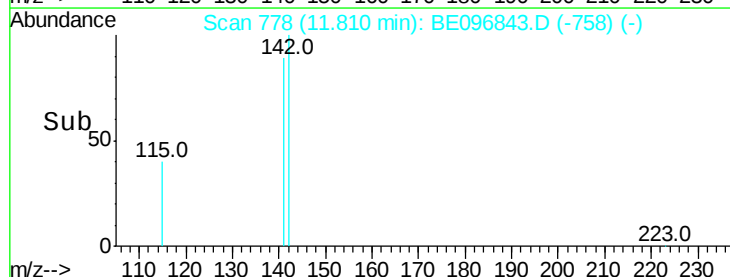
4000

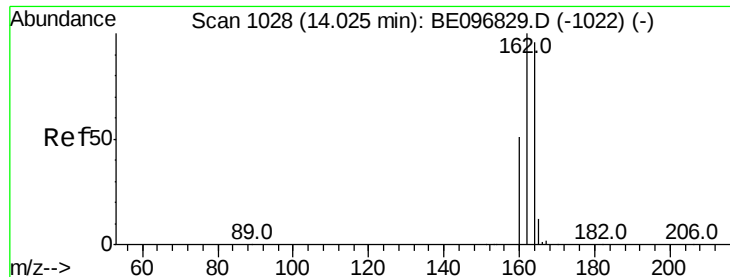
2000

0

Time-->

11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

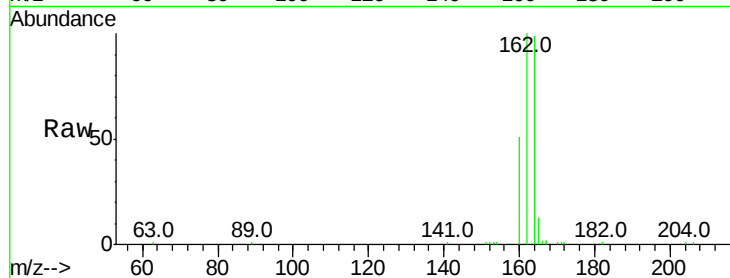
Tot Ion:164 Resp: 7716

Ion Ratio Lower Upper

164 100

162 101.1 83.1 124.7

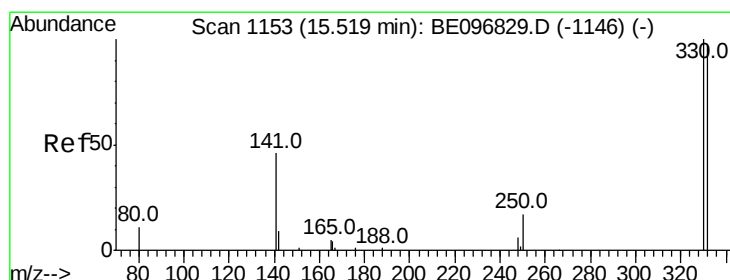
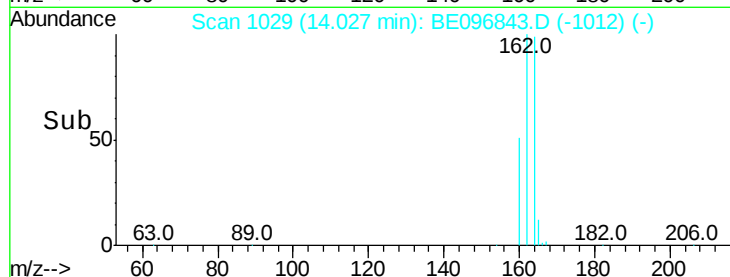
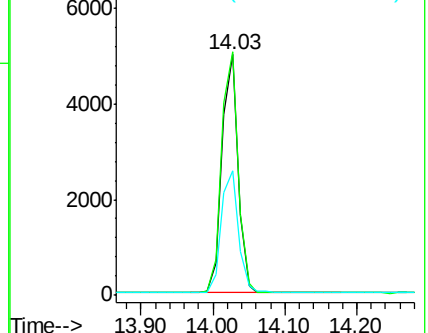
160 51.9 37.1 55.7



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: 0.343 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

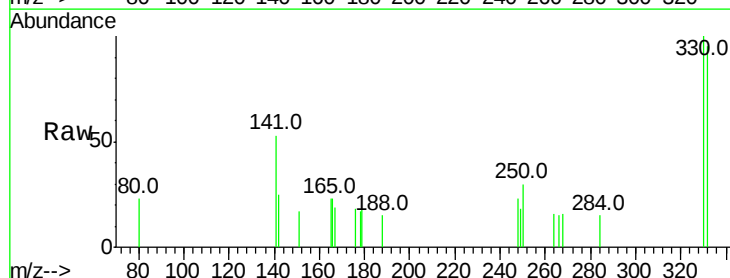
Tgt Ion:330 Resp: 483

Ion Ratio Lower Upper

330 100

332 94.2 152.7 229.1#

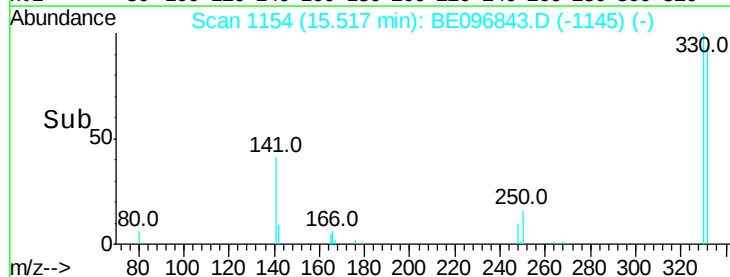
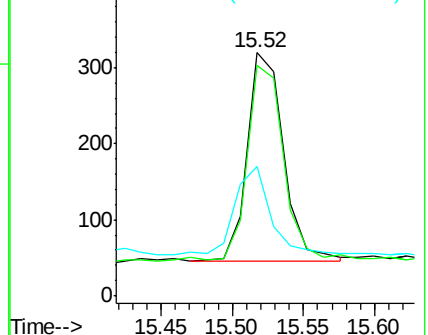
141 42.0 33.7 50.5

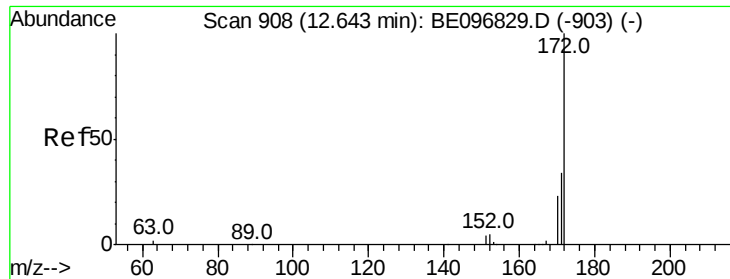


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

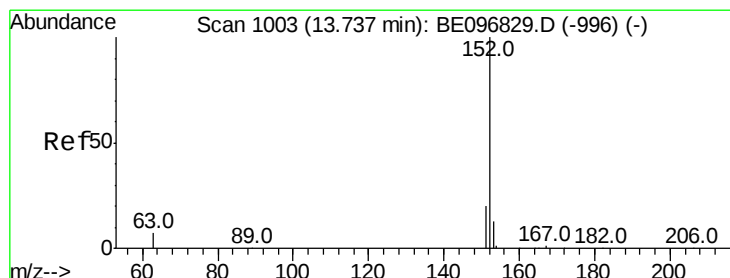
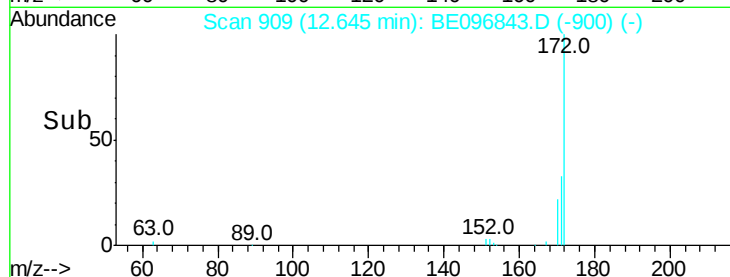
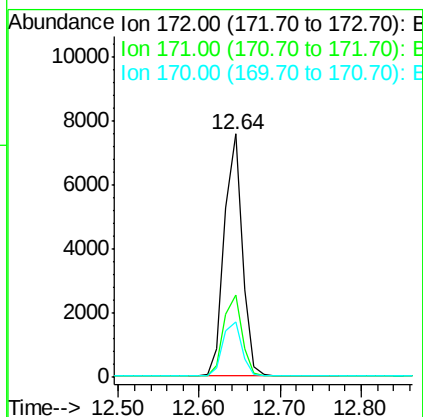
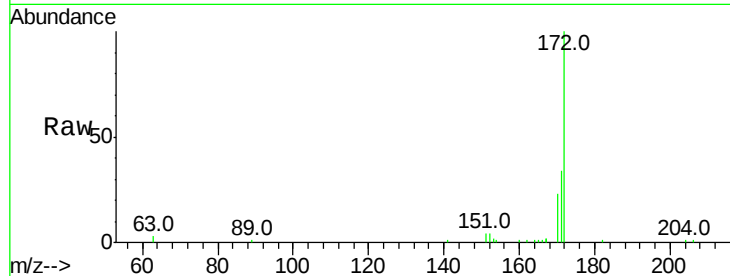




#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE096843.D
Acq: 26 Jun 2018 9:18

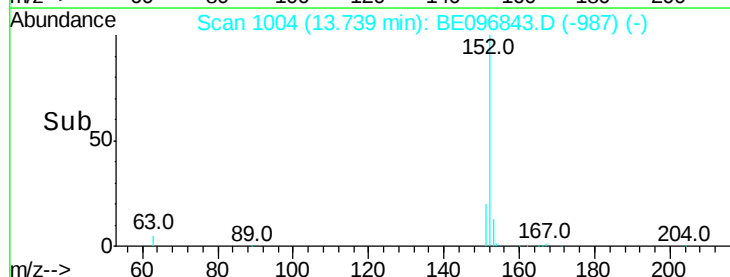
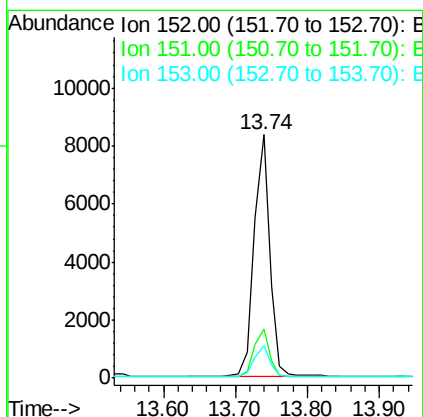
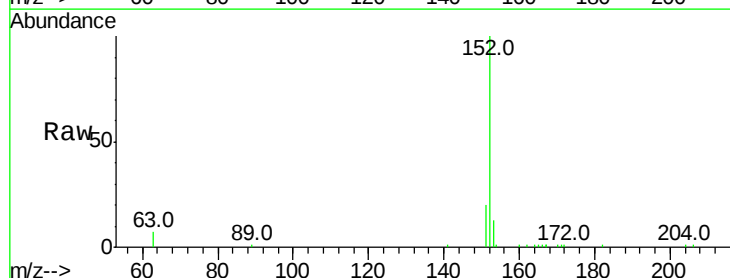
Instrument :
BNA_E
ClientSampleId :

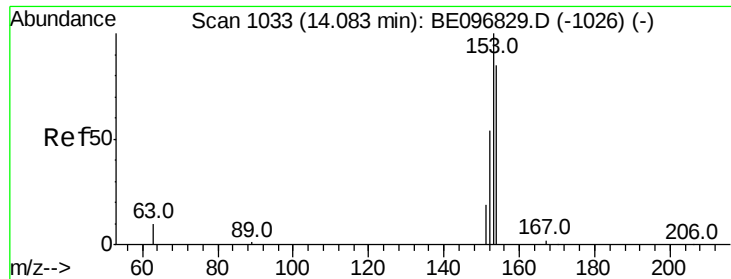
Tot Ion:172 Resp: 11563
Ion Ratio Lower Upper
172 100
171 33.6 29.9 44.9
170 22.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.384 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE096843.D
Acq: 26 Jun 2018 9:18

Tgt Ion:152 Resp: 12832
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 12.8 10.5 15.7

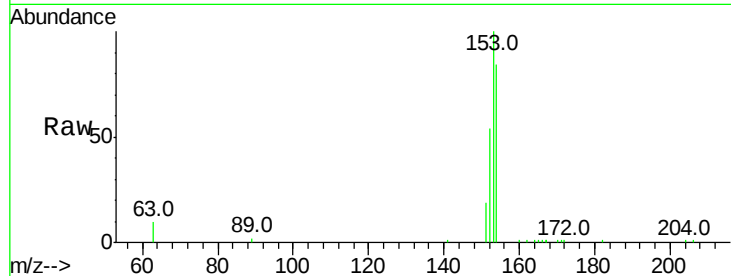




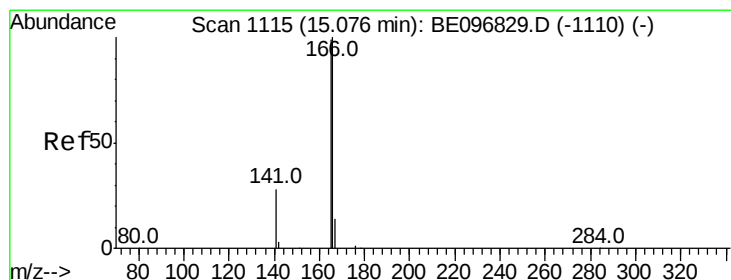
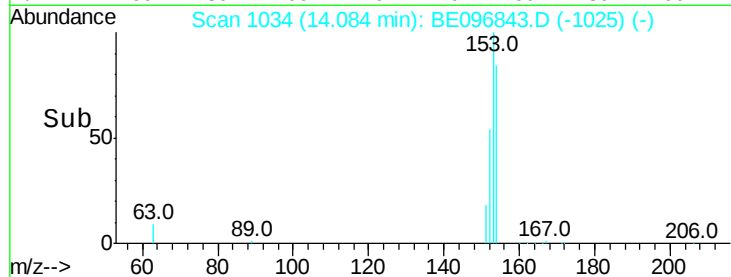
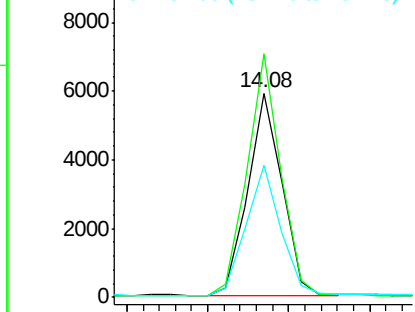
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE096843.D
Acq: 26 Jun 2018 9:18

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 8594
Ion Ratio Lower Upper
154 100
153 116.8 89.2 133.8
152 65.1 42.0 63.0#

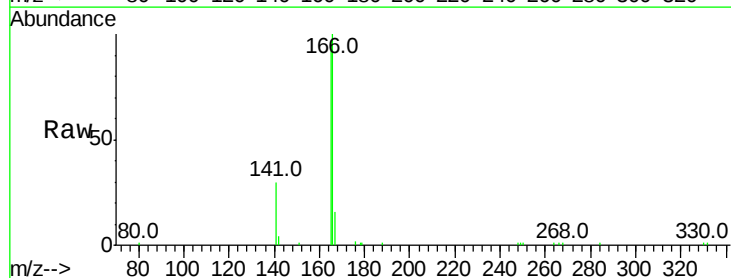


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

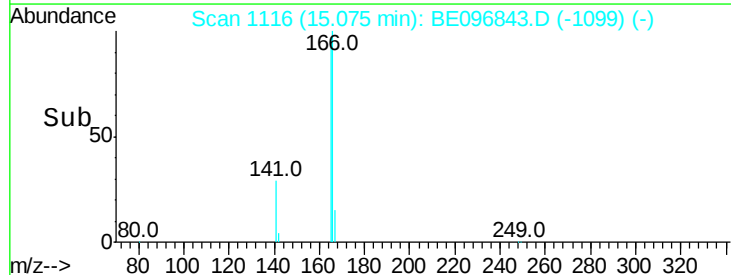
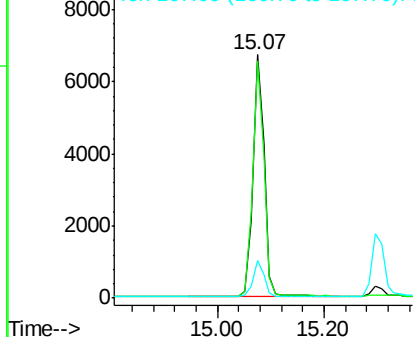


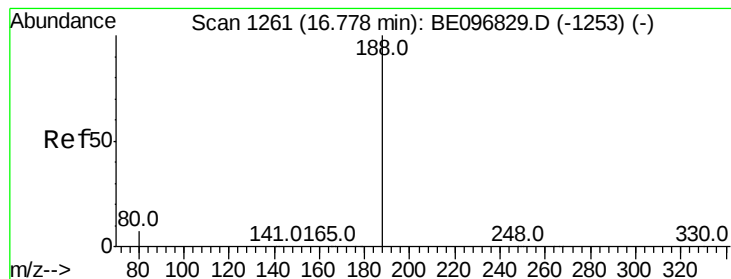
#18
Fluorene
Concen: 0.377 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE096843.D
Acq: 26 Jun 2018 9:18

Tgt Ion:166 Resp: 9797
Ion Ratio Lower Upper
166 100
165 97.3 77.8 116.6
167 14.4 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# 1262

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

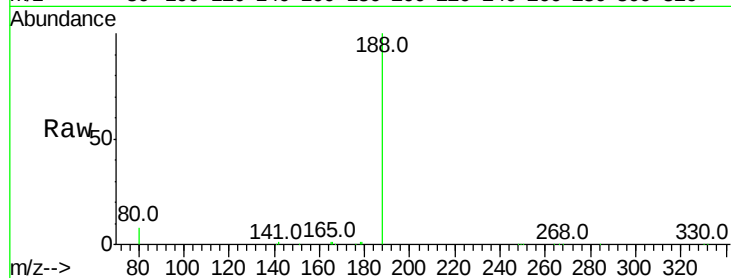
Tot Ion:188 Resp: 19846

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

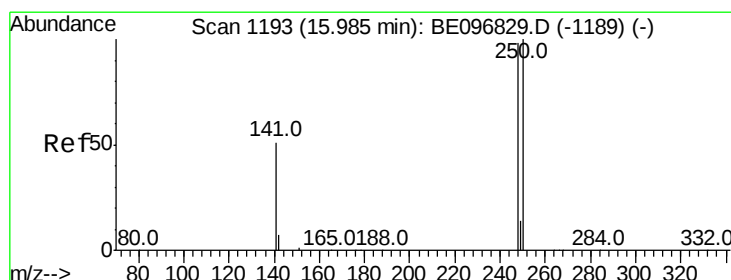
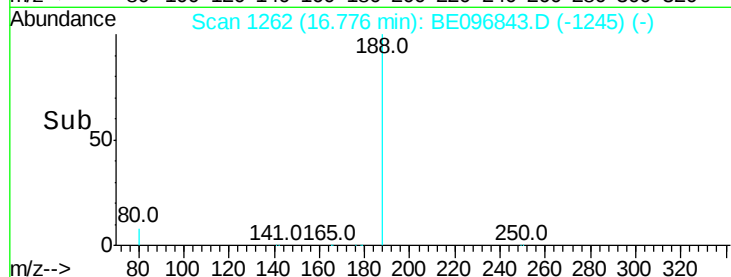
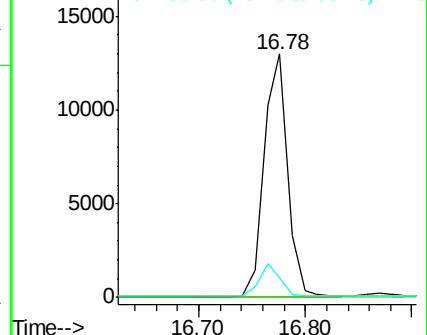
80 8.3 3.6 5.4#



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: 0.398 ng

RT: 15.98 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

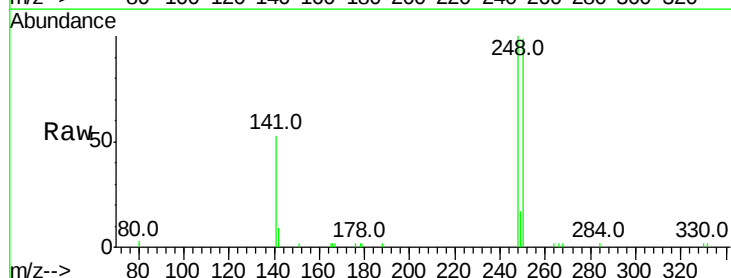
Tgt Ion:248 Resp: 3562

Ion Ratio Lower Upper

248 100

250 99.0 62.7 94.1#

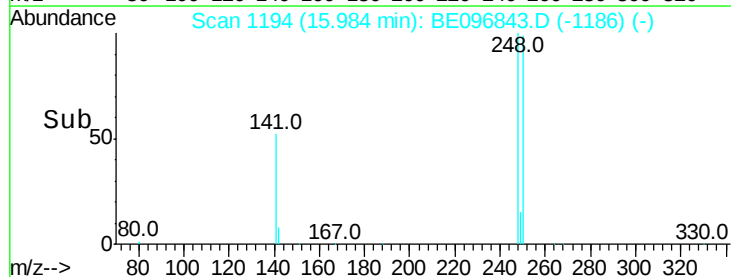
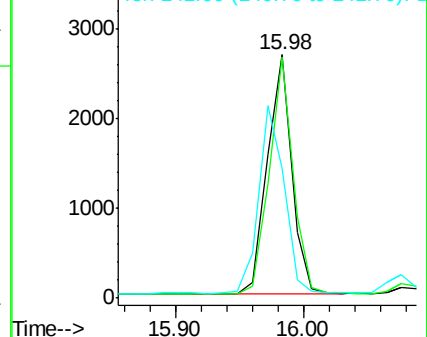
141 53.2 48.2 72.2

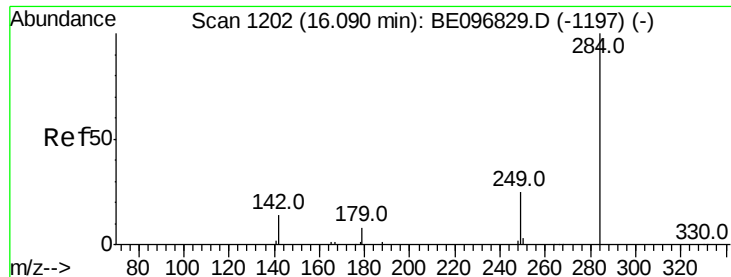


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.415 ng

RT: 16.09 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

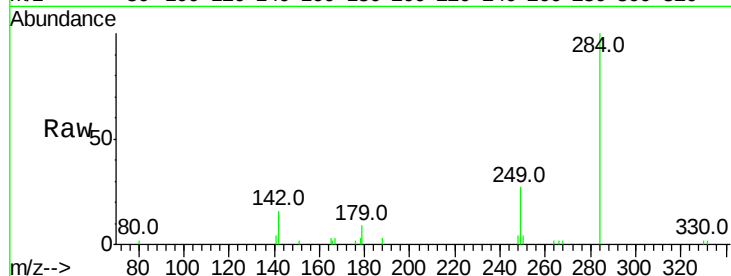
Tot Ion:284 Resp: 4229

Ion Ratio Lower Upper

284 100

142 39.1 22.1 33.1#

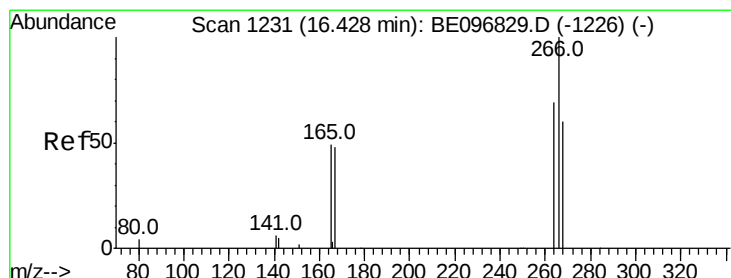
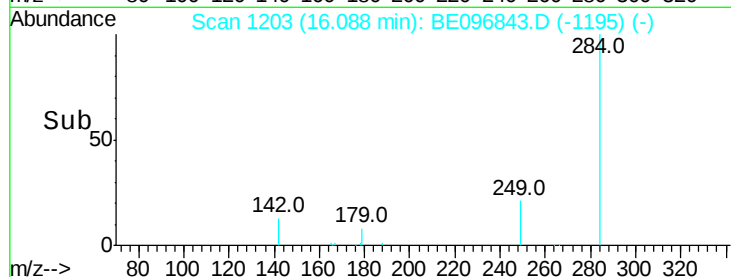
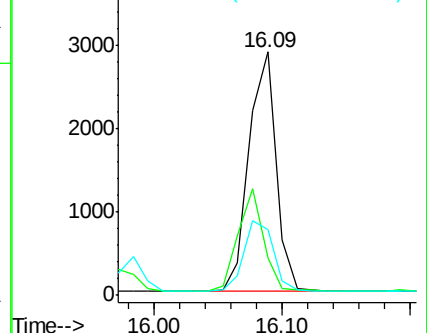
249 31.8 34.8 52.2#



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: 0.363 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

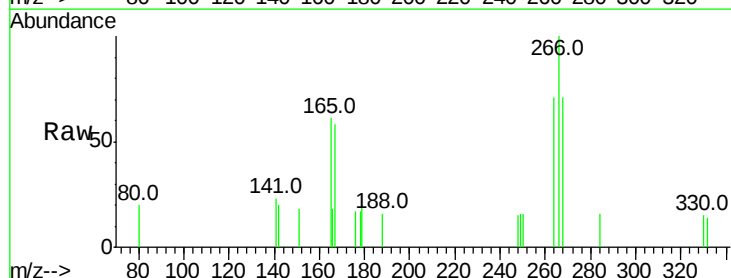
Tgt Ion:266 Resp: 536

Ion Ratio Lower Upper

266 100

264 70.6 72.5 108.7#

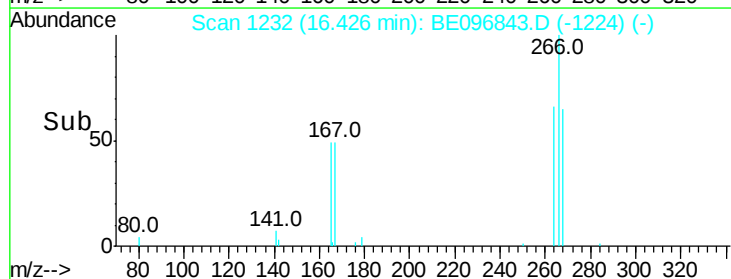
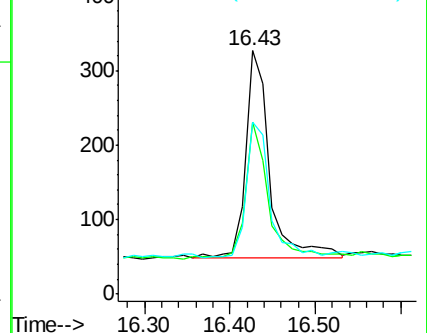
268 70.6 73.8 110.6#

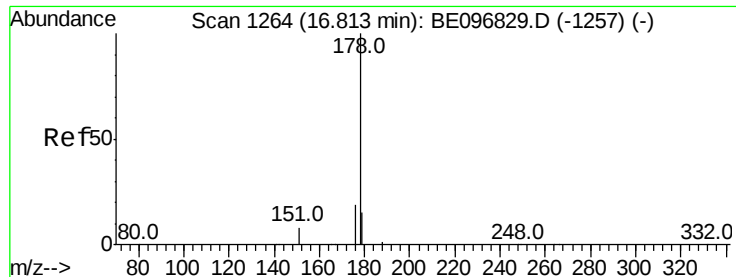


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.391 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

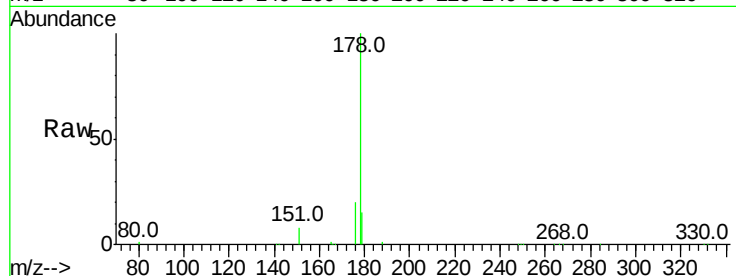
Tot Ion:178 Resp: 19096

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

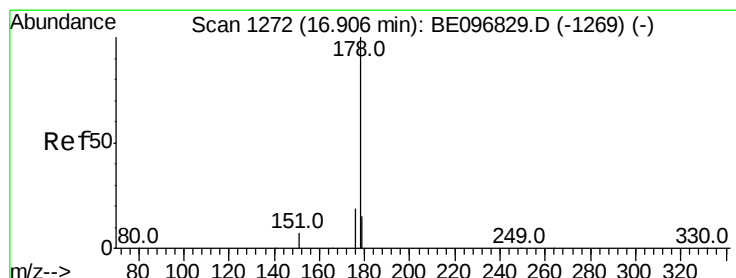
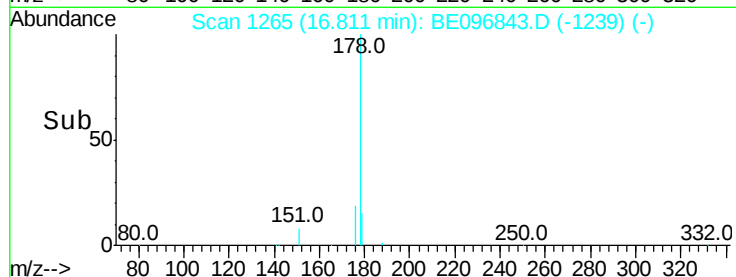
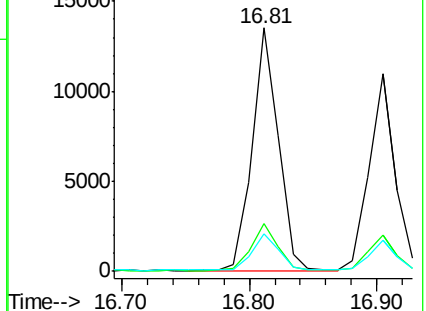
179 15.4 11.8 17.6



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



#24

Anthracene

Concen: 0.381 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

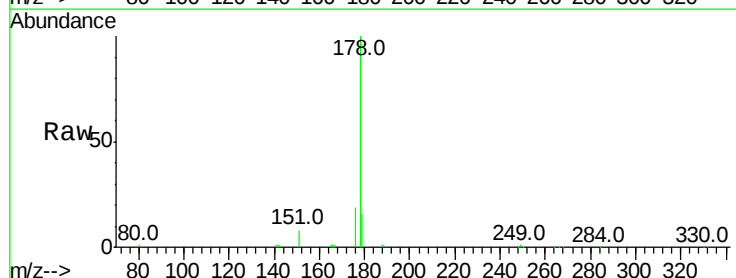
Tgt Ion:178 Resp: 15407

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

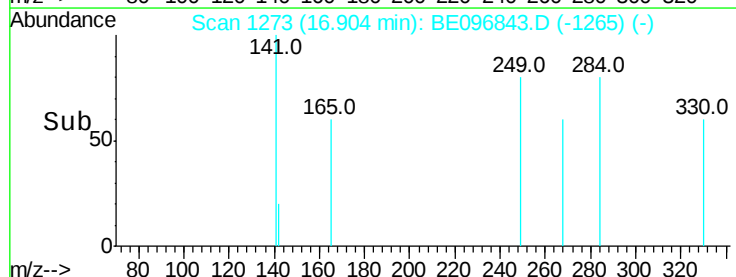
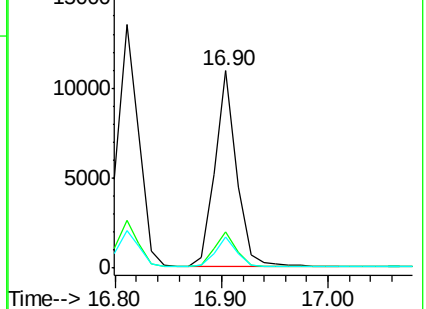
179 15.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.370 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

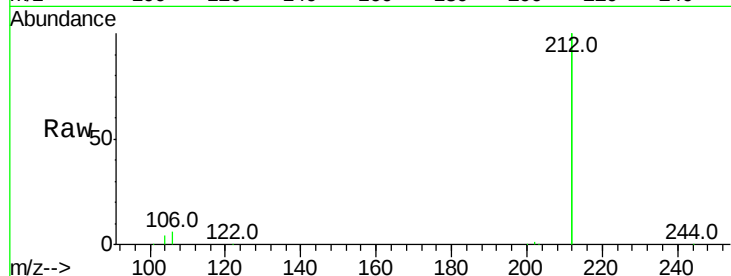
Tot Ion:212 Resp: 64716

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

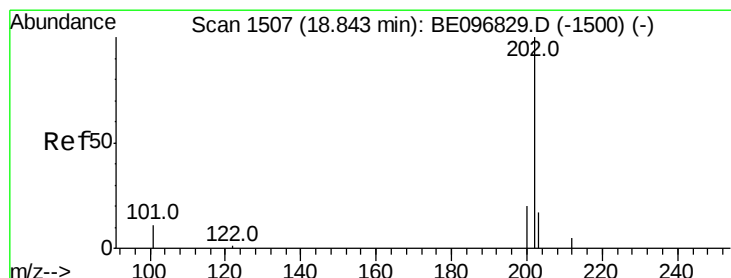
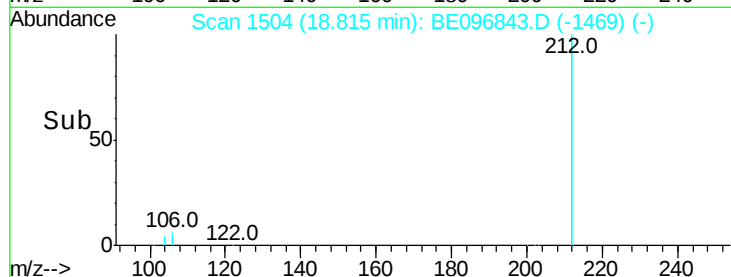
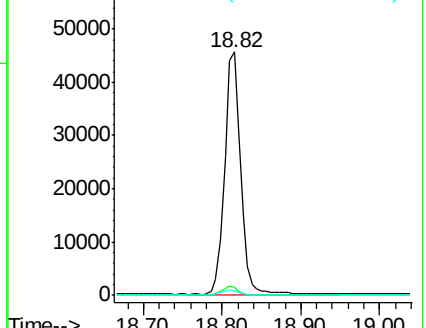
104 1.9 1.6 2.4



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: 0.399 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

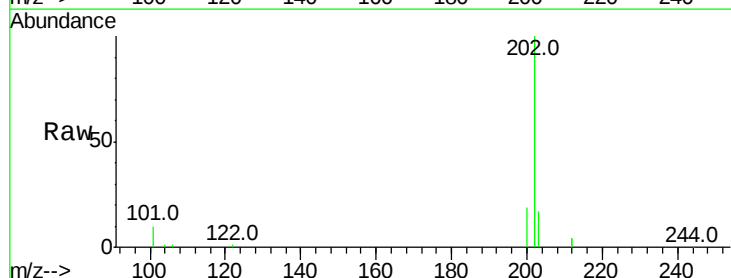
Tgt Ion:202 Resp: 19659

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

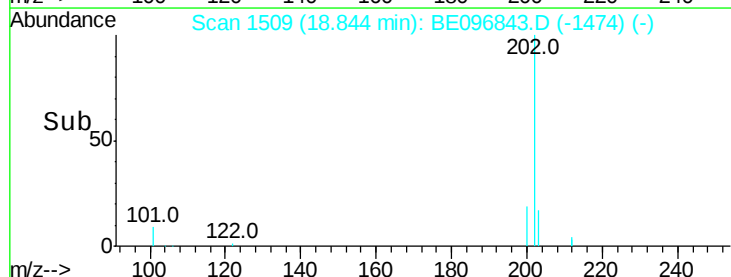
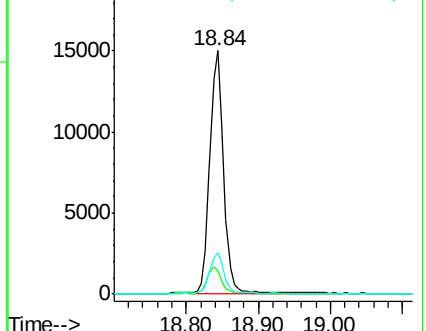
203 17.1 13.7 20.5



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# 1788

Delta R.T. 0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

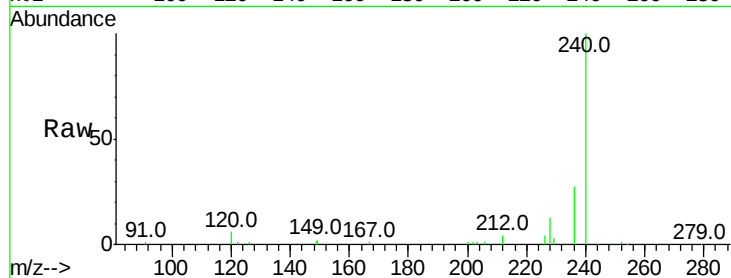
Tot Ion:240 Resp: 16361

Ion Ratio Lower Upper

240 100

120 5.6 5.5 8.3

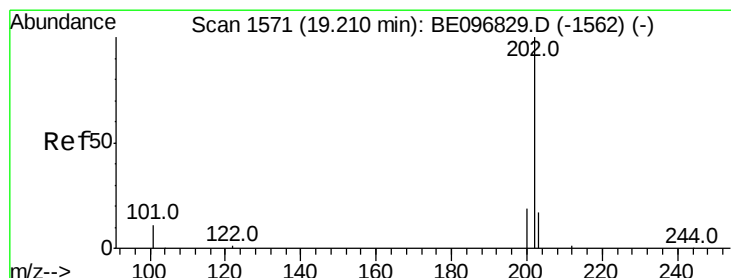
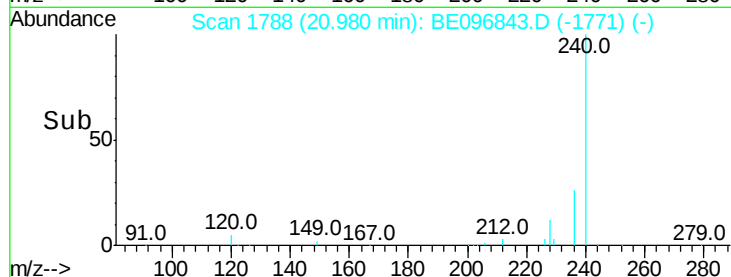
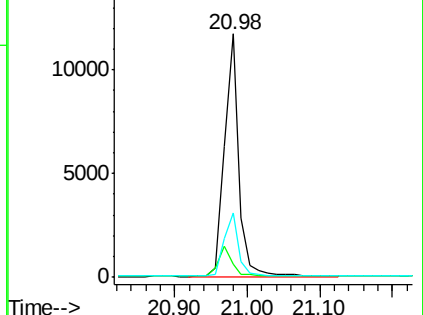
236 26.6 20.7 31.1



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: 0.400 ng

RT: 19.21 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

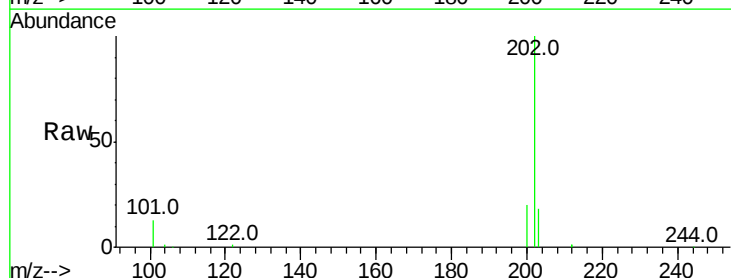
Tgt Ion:202 Resp: 18933

Ion Ratio Lower Upper

202 100

200 20.0 16.6 25.0

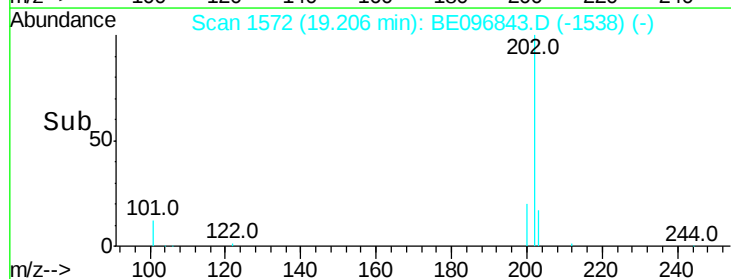
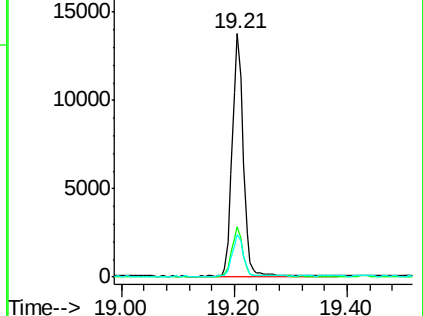
203 17.1 13.8 20.8

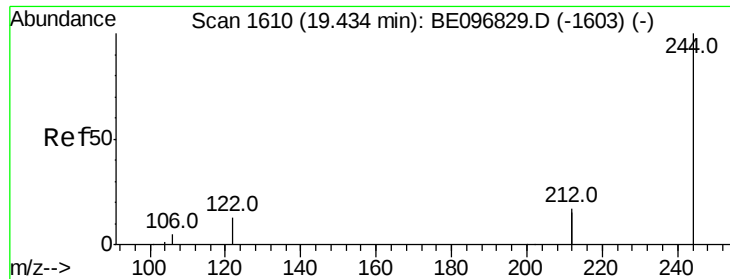


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.398 ng

RT: 19.44 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampled :

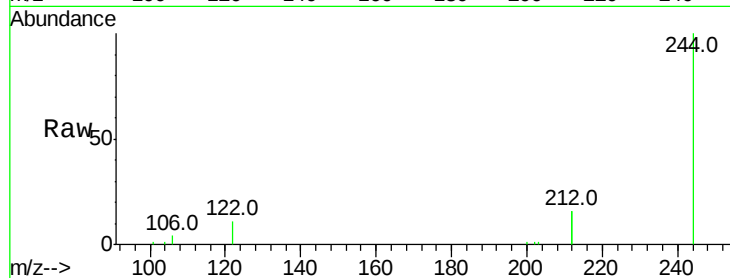
Tot Ion:244 Resp: 12576

Ion Ratio Lower Upper

244 100

212 31.5 25.4 38.0

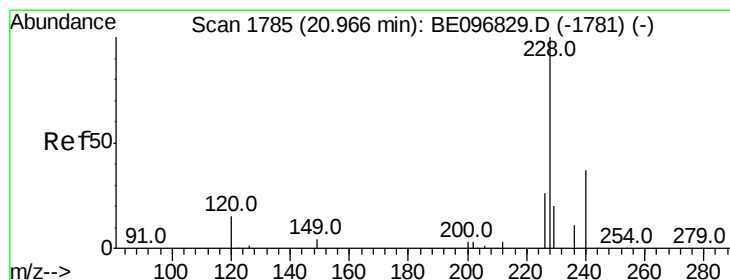
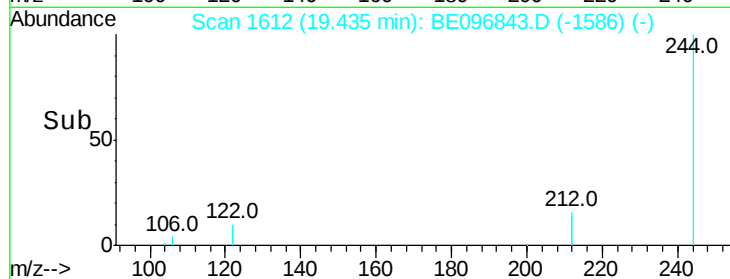
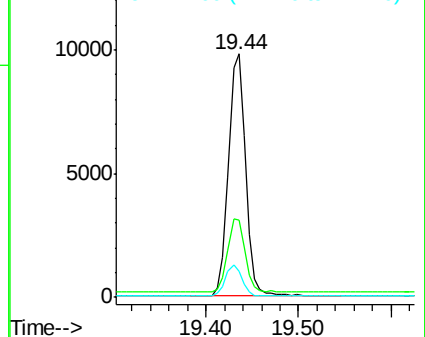
122 10.5 8.1 12.1



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: 0.370 ng

RT: 20.96 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

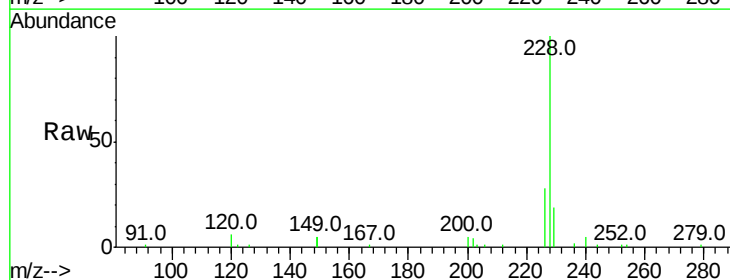
Tgt Ion:228 Resp: 13421

Ion Ratio Lower Upper

228 100

226 28.4 24.0 36.0

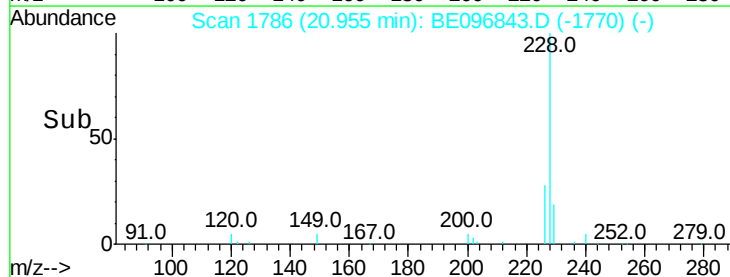
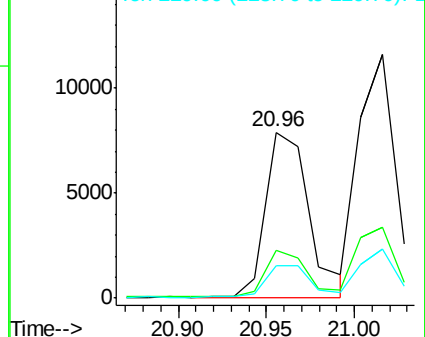
229 19.2 16.0 24.0

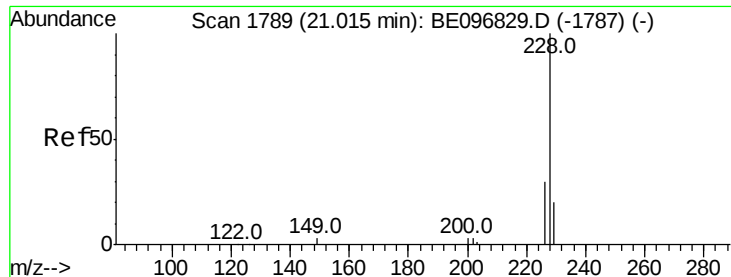


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.378 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

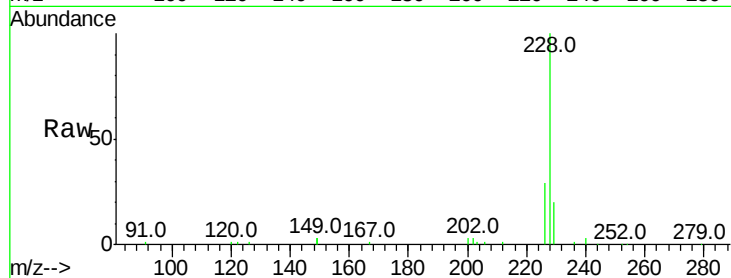
Tot Ion:228 Resp: 16915

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

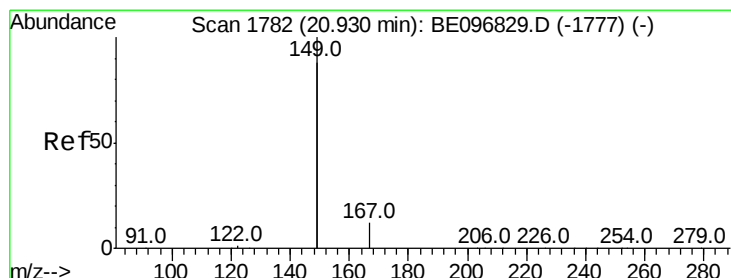
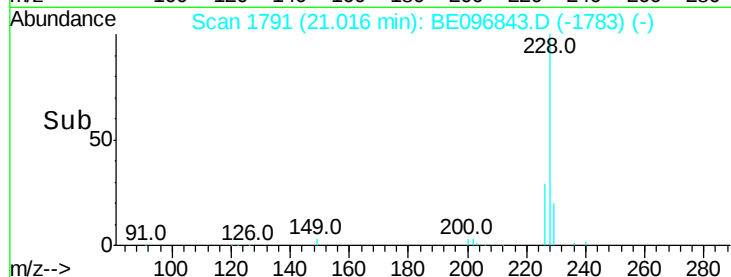
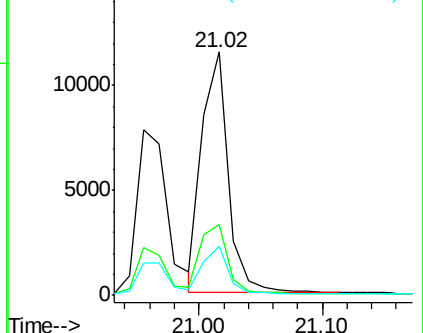
229 20.2 16.0 24.0



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: 0.292 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

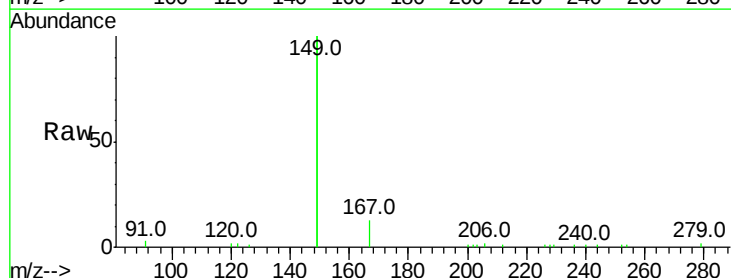
Tgt Ion:149 Resp: 9484

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

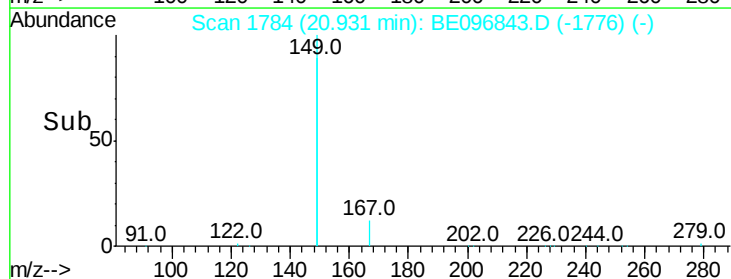
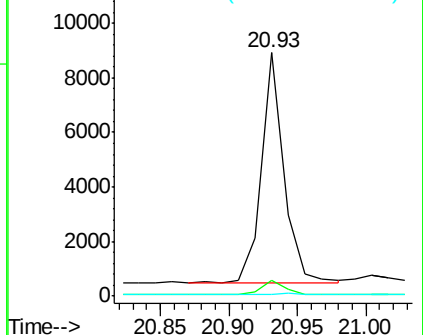
279 1.0 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

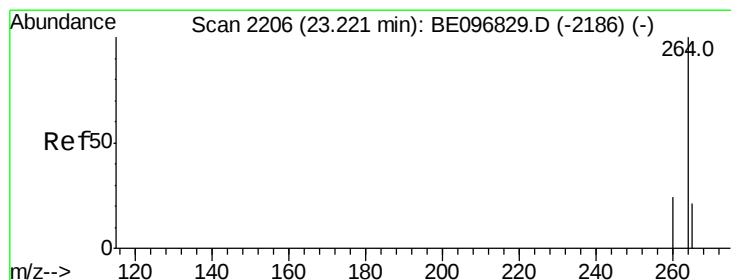
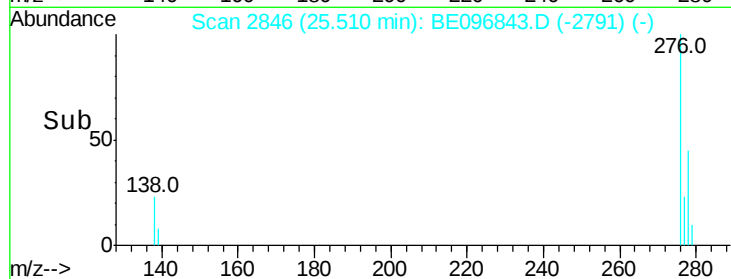
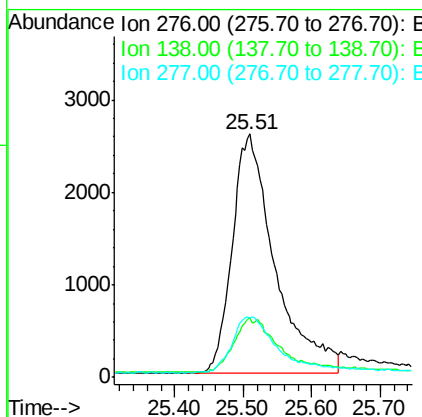
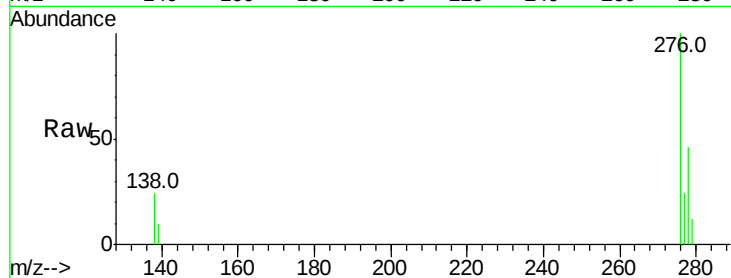




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.336 ng
RT: 25.51 min Scan# 2846
Delta R.T. -0.00 min
Lab File: BE096843.D
Acq: 26 Jun 2018 9:18

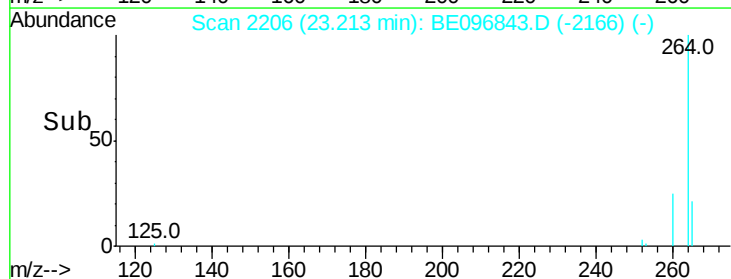
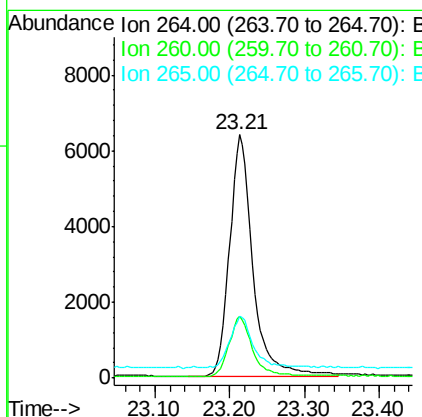
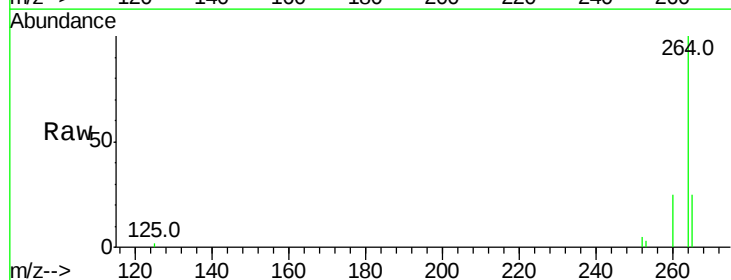
Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 11183
Ion Ratio Lower Upper
276 100
138 11.1 22.5 33.7#
277 25.7 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BE096843.D
Acq: 26 Jun 2018 9:18

Tgt Ion:264 Resp: 13820
Ion Ratio Lower Upper
264 100
260 25.4 20.5 30.7
265 25.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.327 ng

RT: 22.54 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

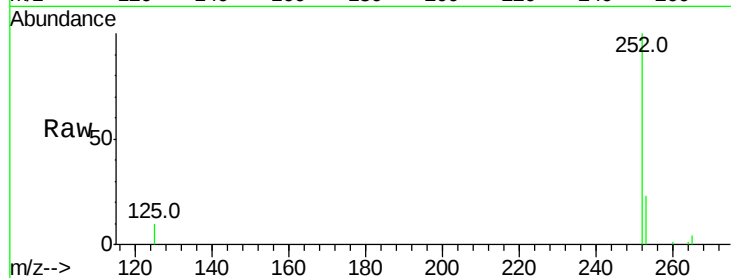
Tot Ion:252 Resp: 12315

Ion Ratio Lower Upper

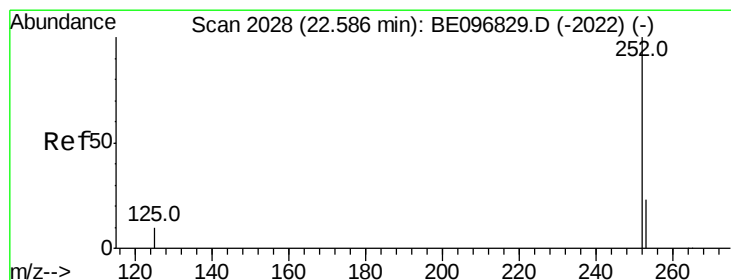
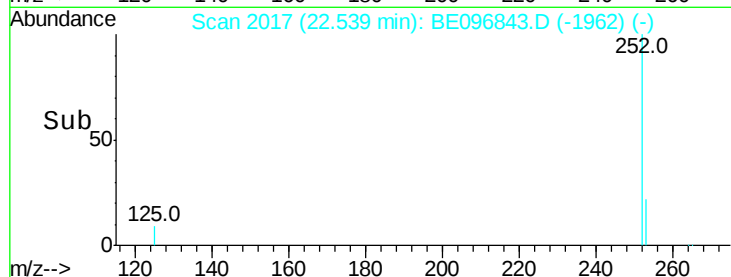
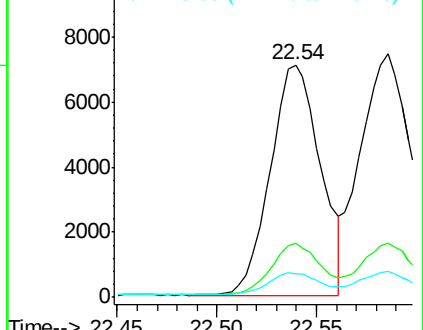
252 100

253 23.2 20.0 30.0

125 10.0 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: 0.378 ng

RT: 22.59 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

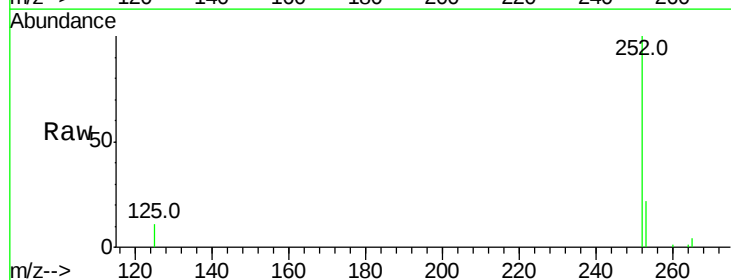
Tgt Ion:252 Resp: 15602

Ion Ratio Lower Upper

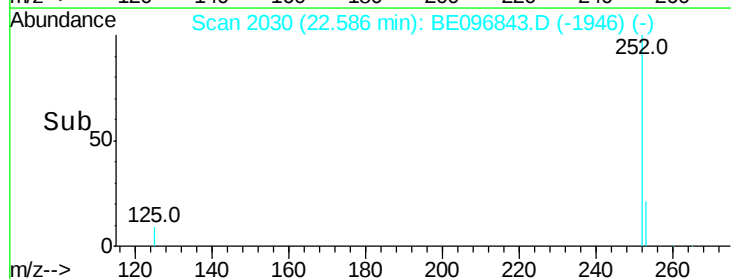
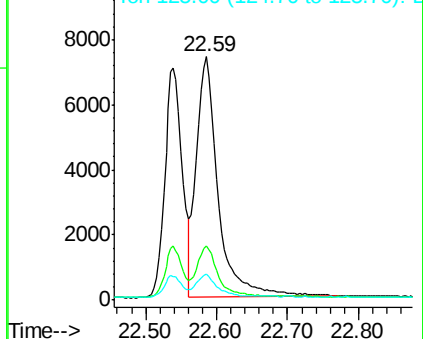
252 100

253 22.4 16.0 24.0

125 10.6 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: 0.348 ng

RT: 23.11 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

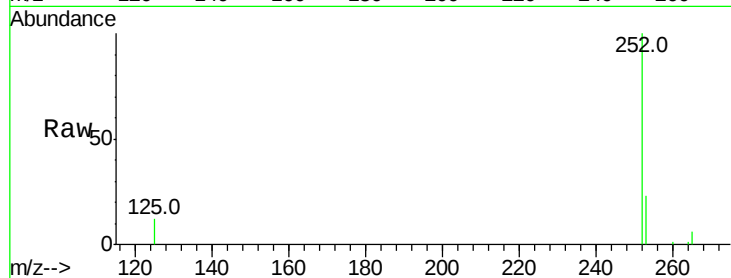
Tot Ion:252 Resp: 10437

Ion Ratio Lower Upper

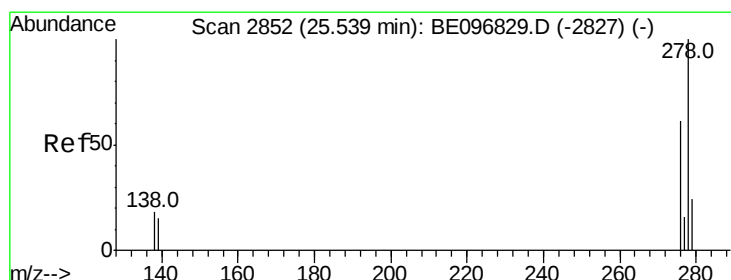
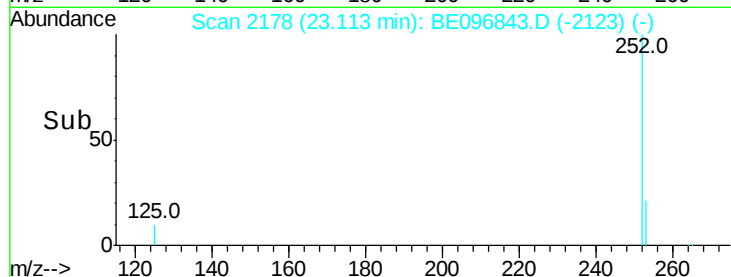
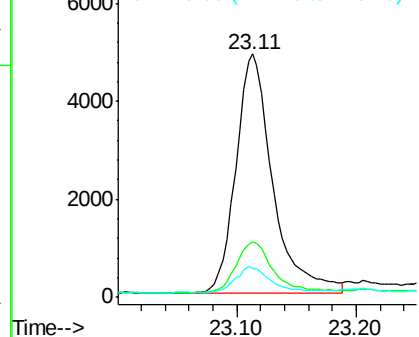
252 100

253 22.6 16.0 24.0

125 12.0 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: 0.340 ng

RT: 25.53 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

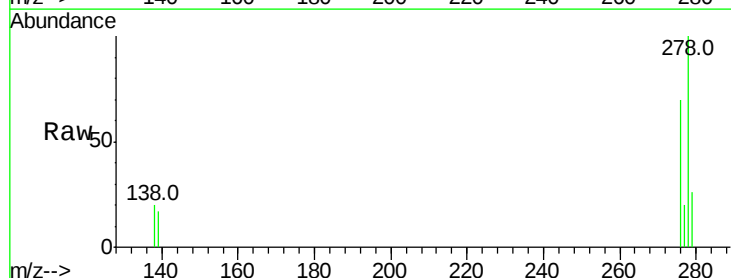
Tgt Ion:278 Resp: 9324

Ion Ratio Lower Upper

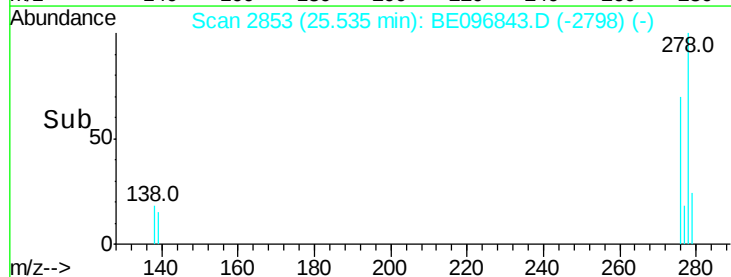
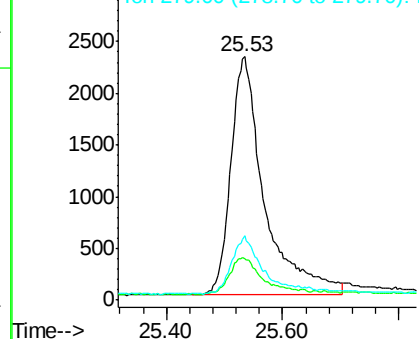
278 100

139 16.9 16.0 24.0

279 26.2 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: 0.339 ng

RT: 26.20 min Scan# 3039

Delta R.T. -0.01 min

Lab File: BE096843.D

Acq: 26 Jun 2018 9:18

Instrument :

BNA_E

ClientSampleId :

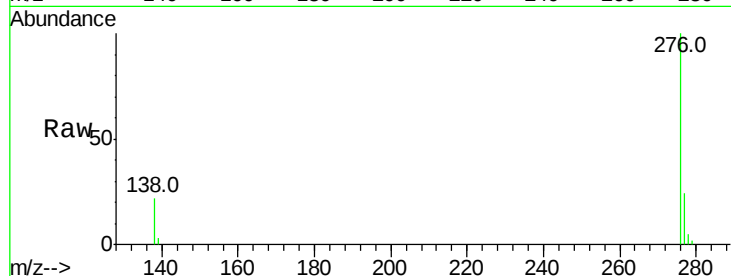
Tot Ion:276 Resp: 11364

Ion Ratio Lower Upper

276 100

277 24.5 16.0 24.0#

138 22.2 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

