

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062018\
 Data File : BE096834.D
 Acq On : 20 Jun 2018 15:30
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

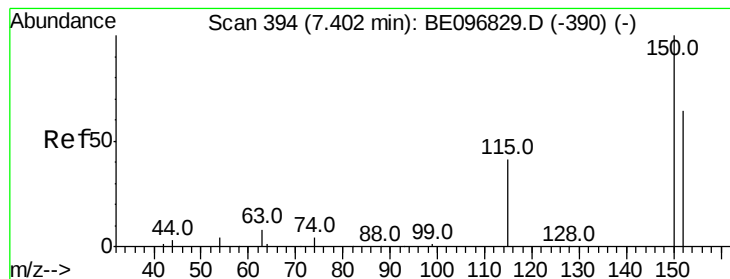
Quant Time: Jun 20 16:08:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 20 15:45:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2709	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	13236	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	7209	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	20427	0.40	ng	0.00
27) Chrysene-d12	20.98	240	17534	0.40	ng	0.00
34) Perylene-d12	23.22	264	14409	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	2076	0.34	ng	0.00
5) Phenol-d6	6.60	99	3123	0.35	ng	0.00
8) Nitrobenzene-d5	8.53	82	2776	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6495	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	566	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	9393	0.36	ng	0.00
25) Fluoranthene-d10	18.81	212	60795	0.34	ng	0.00
29) Terphenyl-d14	19.43	244	12221	0.36	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	1555	0.383	ng	# 88
3) n-Nitrosodimethylamine	3.38	42	1499	0.349	ng	# 90
6) bis(2-Chloroethyl)ether	6.84	93	3431	0.346	ng	96
9) Naphthalene	10.20	128	41860	0.349	ng	99
10) Hexachlorobutadiene	10.50	225	1785	0.357	ng	96
12) 2-Methylnaphthalene	11.81	142	6782	0.340	ng	99
16) Acenaphthylene	13.74	152	10726	0.343	ng	100
17) Acenaphthene	14.08	154	7122	0.345	ng	93
18) Fluorene	15.08	166	8410	0.346	ng	# 81
20) 4-Bromophenyl-phenylether	15.99	248	3057	0.332	ng	# 79
21) Hexachlorobenzene	16.09	284	3529	0.336	ng	# 80
22) Pentachlorophenol	16.43	266	633	0.406	ng	# 77
23) Phenanthrene	16.81	178	16919	0.337	ng	99
24) Anthracene	16.91	178	14002	0.337	ng	96
26) Fluoranthene	18.84	202	17802	0.351	ng	99
28) Pyrene	19.21	202	18656	0.368	ng	99
30) Benzo(a)anthracene	20.97	228	13909	0.358	ng	96
31) Chrysene	21.02	228	16679	0.348	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	13605	0.391	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	12515	0.351	ng	95
35) Benzo(b)fluoranthene	22.54	252	12917	0.328	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	14706	0.350	ng	96
37) Benzo(a)pyrene	23.11	252	10859	0.348	ng	93
38) Dibenzo(a,h)anthracene	25.54	278	10387	0.355	ng	96
39) Benzo(g,h,i)perylene	26.21	276	11509	0.330	ng	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

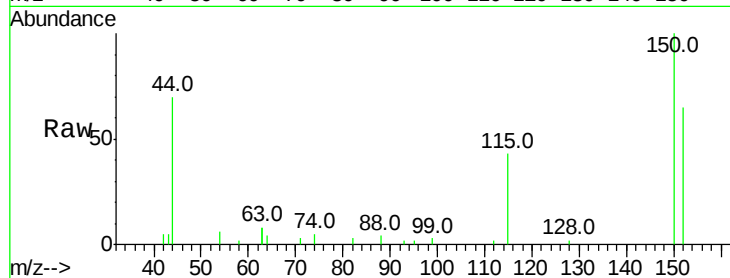
Tot Ion:152 Resp: 2709

Ion Ratio Lower Upper

152 100

150 153.6 117.2 175.8

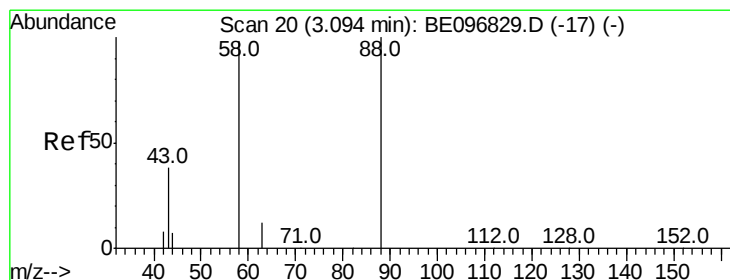
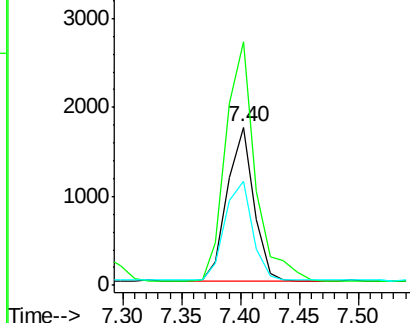
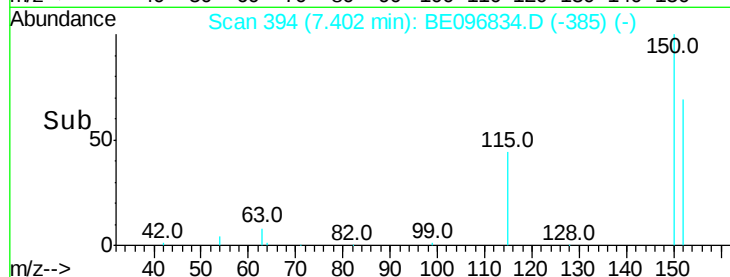
115 65.6 57.0 85.6



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: 0.383 ng

RT: 3.09 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

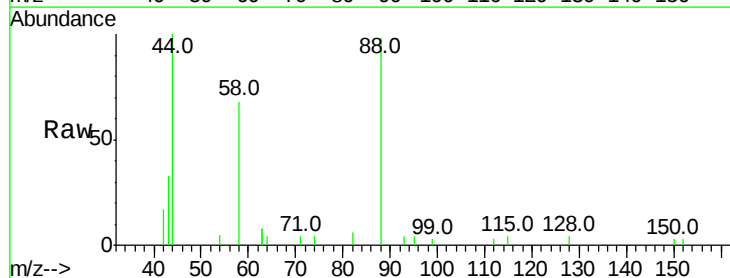
Tgt Ion: 88 Resp: 1555

Ion Ratio Lower Upper

88 100

58 76.8 63.2 94.8

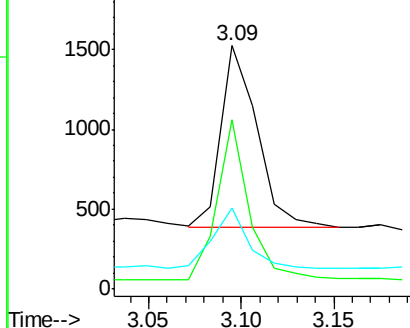
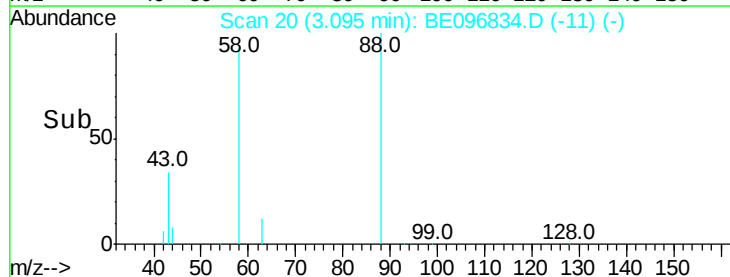
43 32.5 41.2 61.8#

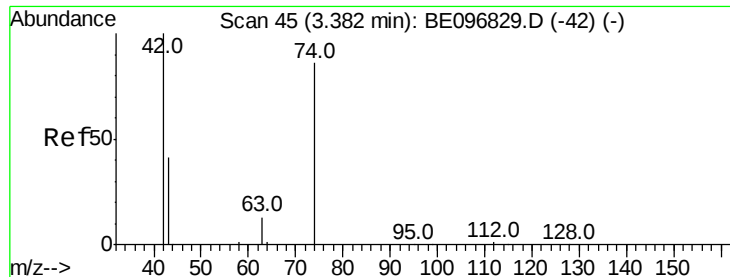


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



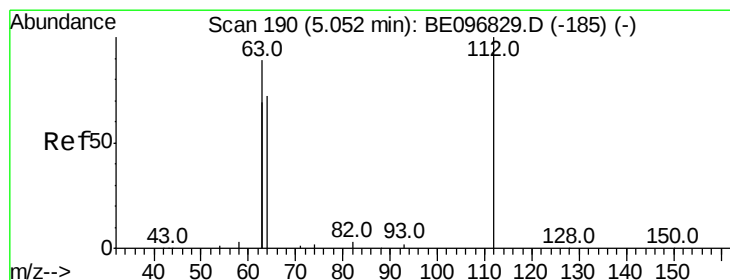
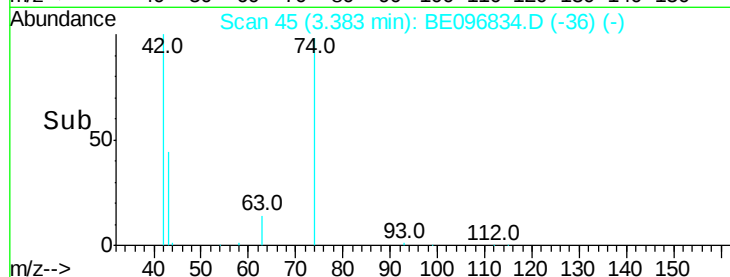
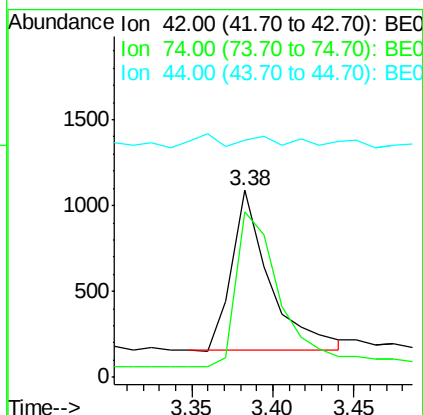
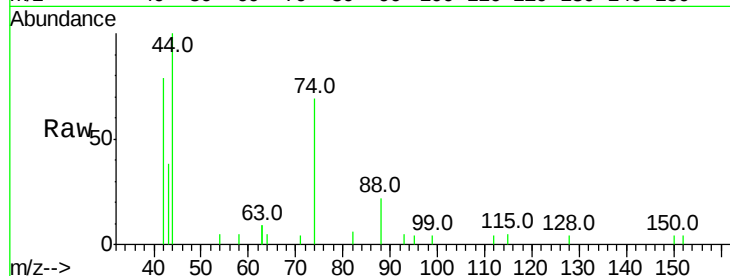


#3

n-Nitrosodimethylamine
 Concen: 0.349 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE096834.D
 Acq: 20 Jun 2018 15:30

Instrument :
 BNA_E
 ClientSampleId :

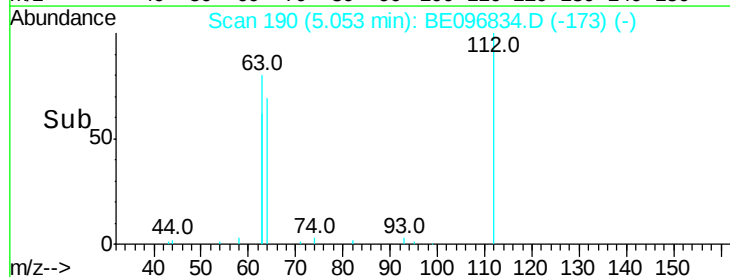
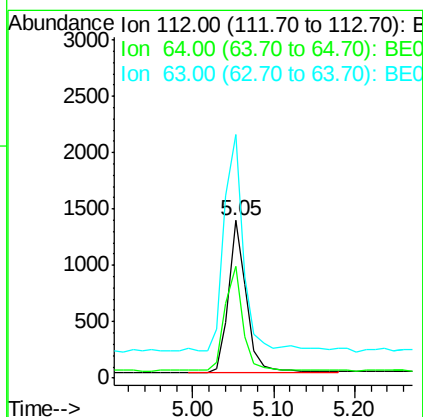
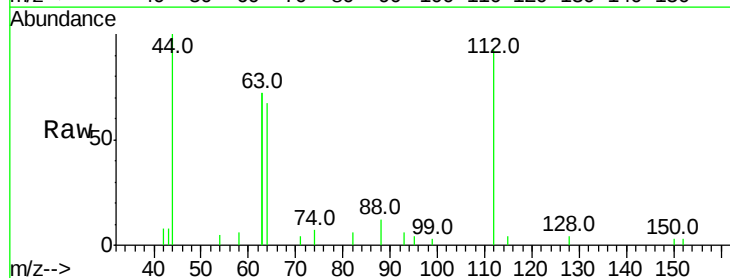
Tot Ion: 42 Resp: 1499
 Ion Ratio Lower Upper
 42 100
 74 112.5 96.0 144.0
 44 0.0 12.0 18.0#

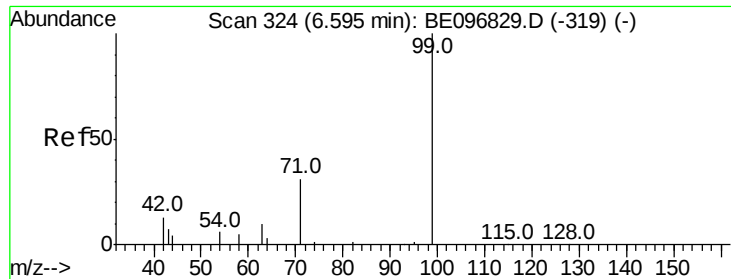


#4

2-Fluorophenol
 Concen: 0.343 ng
 RT: 5.05 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: BE096834.D
 Acq: 20 Jun 2018 15:30

Tgt Ion: 112 Resp: 2076
 Ion Ratio Lower Upper
 112 100
 64 67.7 60.1 90.1
 63 156.1 116.8 175.2





#5

Phenol-d6

Concen: 0.346 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

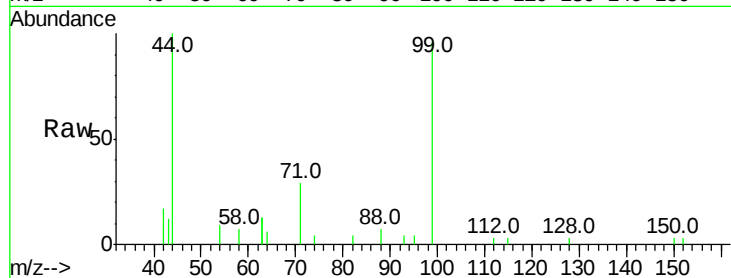
Tot Ion: 99 Resp: 3123

Ion Ratio Lower Upper

99 100

42 22.6 20.2 30.2

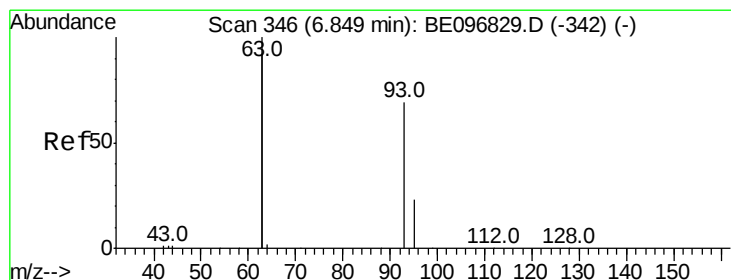
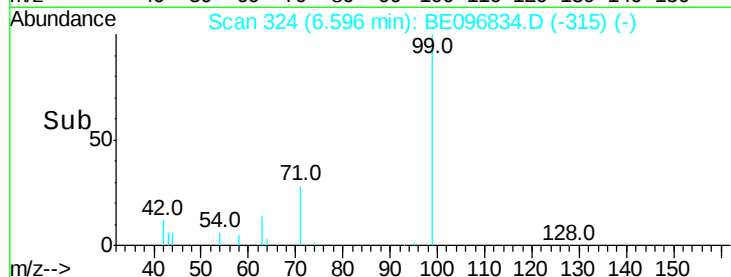
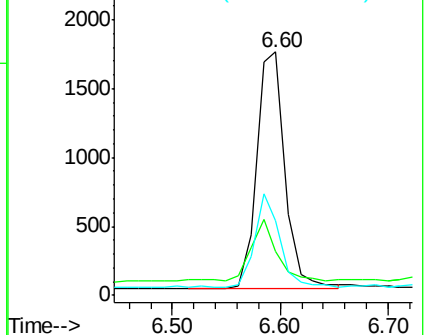
71 34.6 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.346 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.01 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

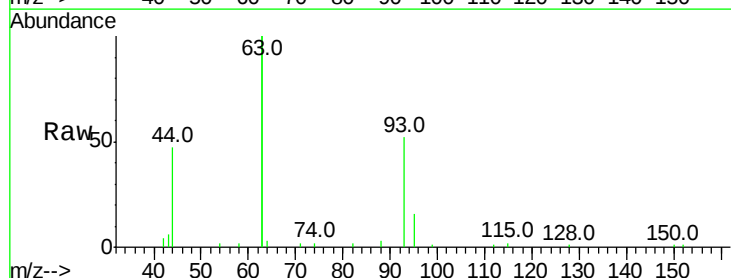
Tgt Ion: 93 Resp: 3431

Ion Ratio Lower Upper

93 100

63 335.2 275.3 412.9

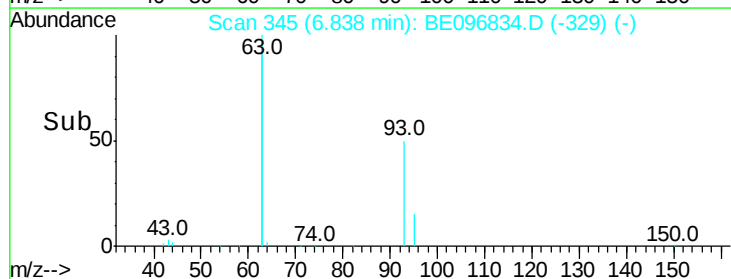
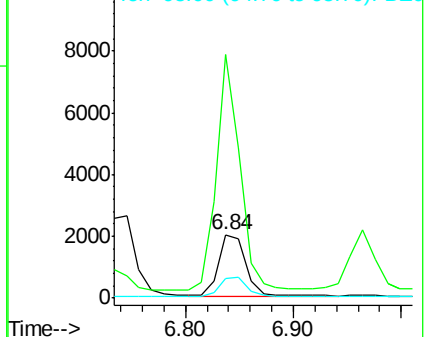
95 31.8 25.2 37.8

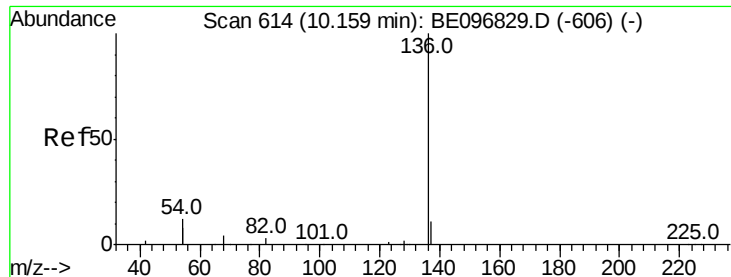


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13236

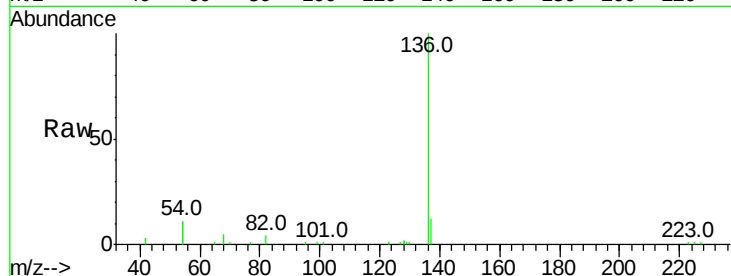
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 21.2 29.1 43.7#

68 4.8 6.2 9.2#

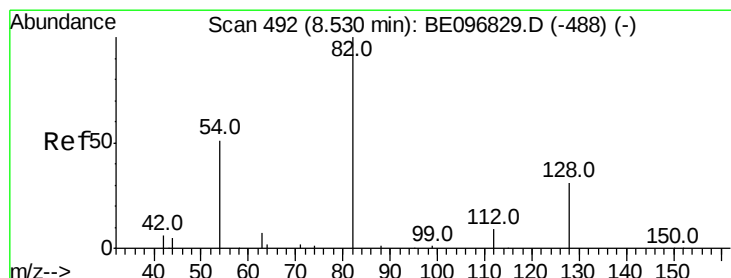
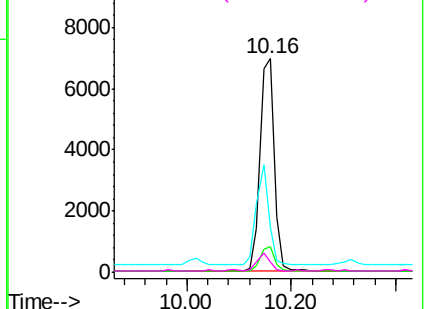
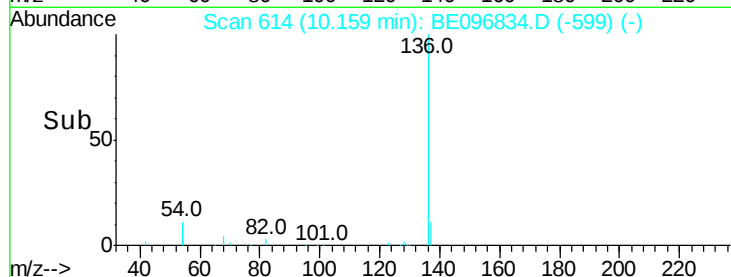


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.346 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

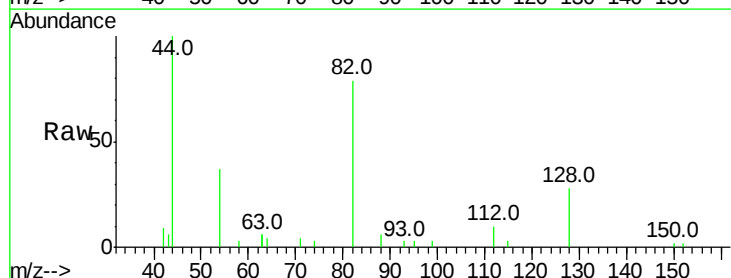
Tgt Ion: 82 Resp: 2776

Ion Ratio Lower Upper

82 100

128 35.6 24.0 36.0

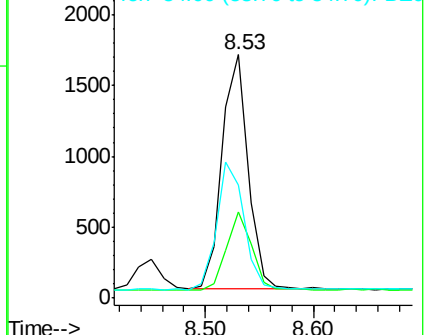
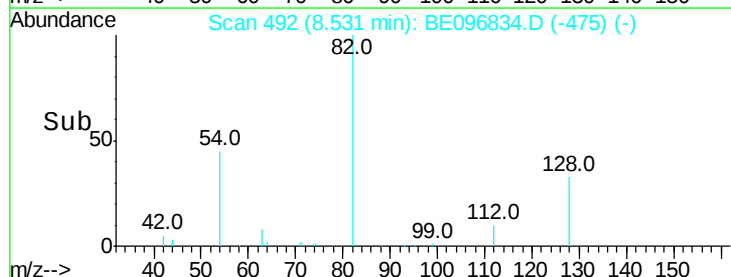
54 46.5 40.0 60.0

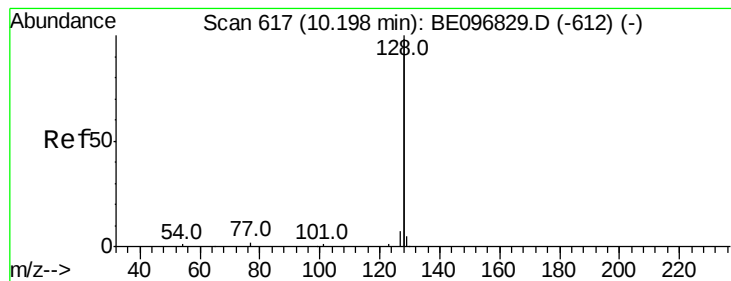


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.349 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

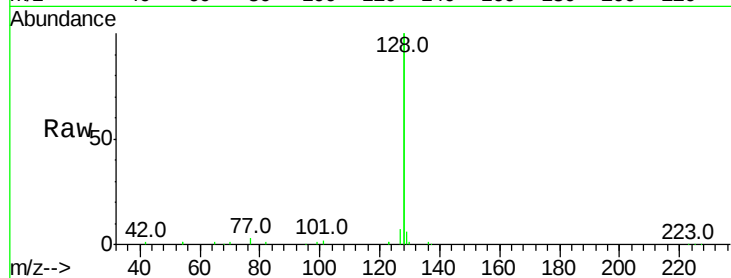
Tot Ion:128 Resp: 41860

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

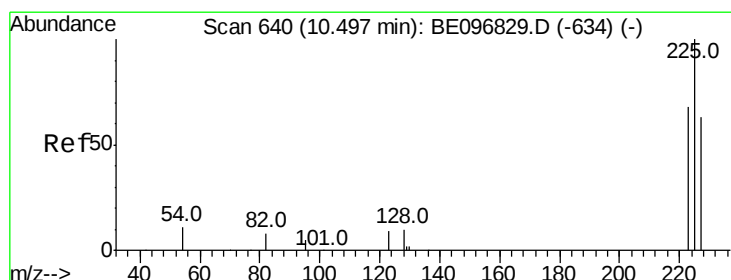
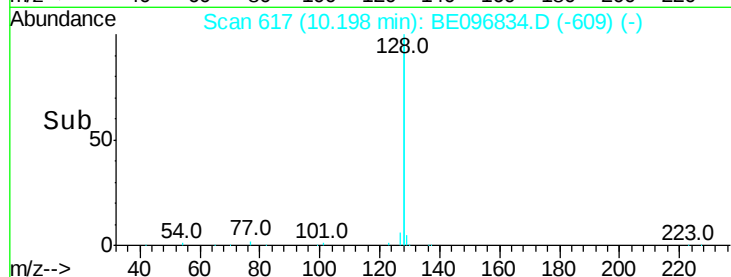
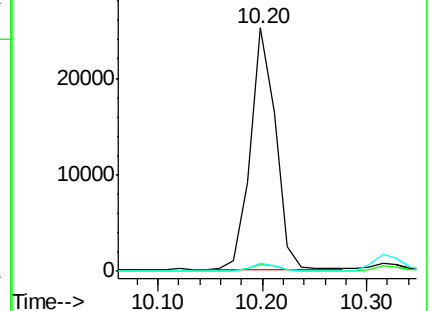
127 3.4 2.8 4.2



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: 0.357 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

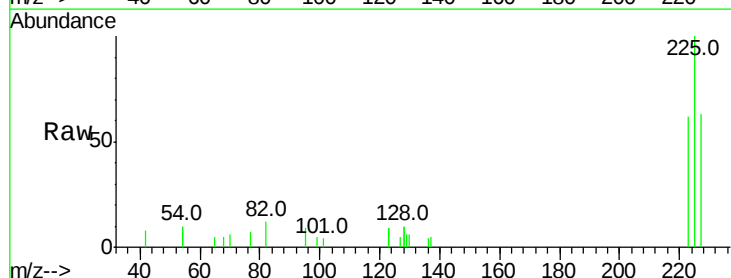
Tgt Ion:225 Resp: 1785

Ion Ratio Lower Upper

225 100

223 61.7 53.0 79.6

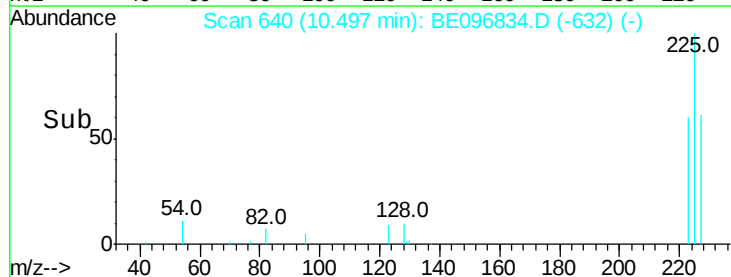
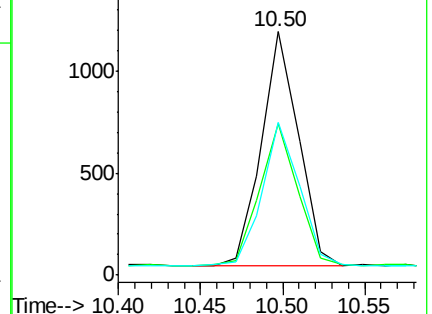
227 62.3 51.4 77.2

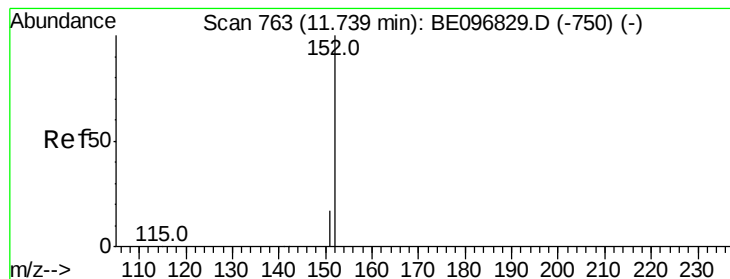


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.341 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

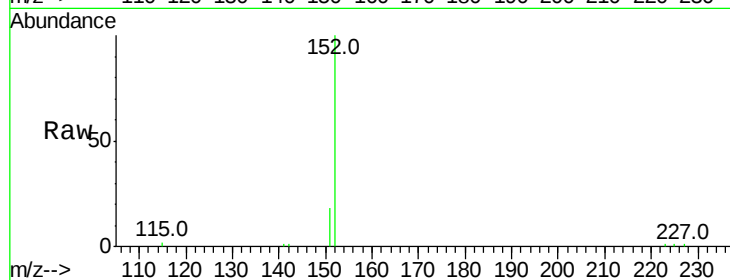
ClientSampleId :

Tot Ion:152 Resp: 6495

Ion Ratio Lower Upper

152 100

151 19.7 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

4000

3000

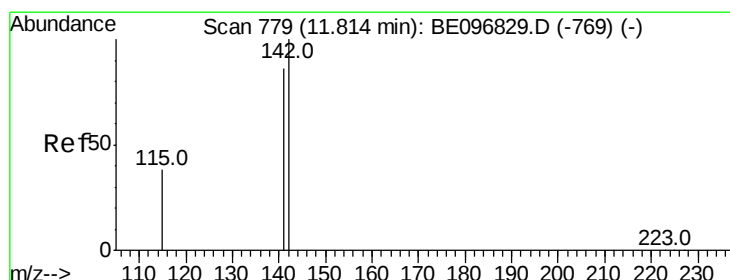
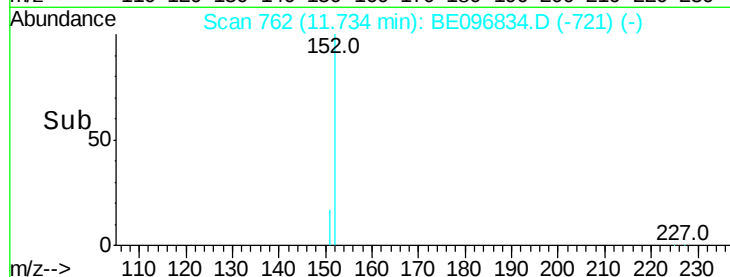
2000

1000

0

Time-->

11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.340 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

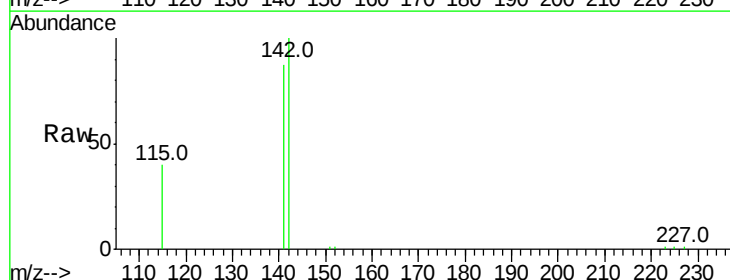
Tgt Ion:142 Resp: 6782

Ion Ratio Lower Upper

142 100

141 87.1 70.4 105.6

115 40.0 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

6000

5000

4000

3000

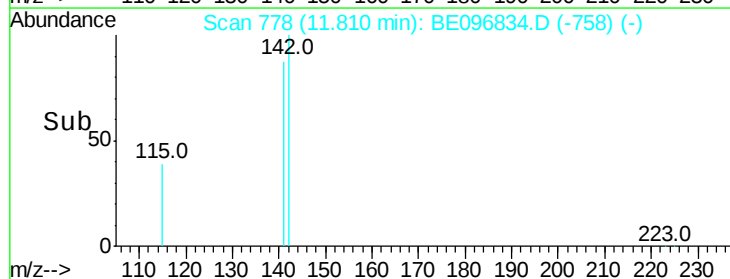
2000

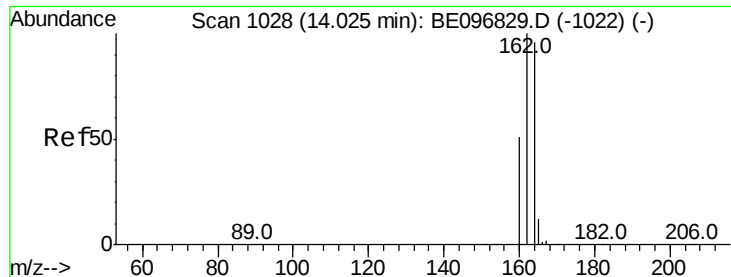
1000

0

Time-->

11.75 11.80 11.85 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

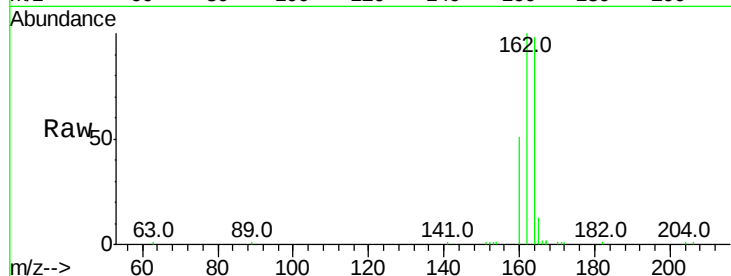
Tot Ion:164 Resp: 7209

Ion Ratio Lower Upper

164 100

162 102.5 83.1 124.7

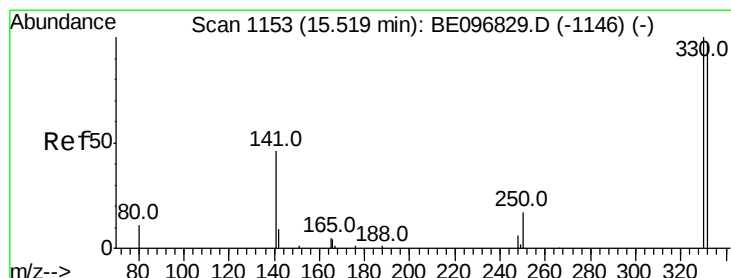
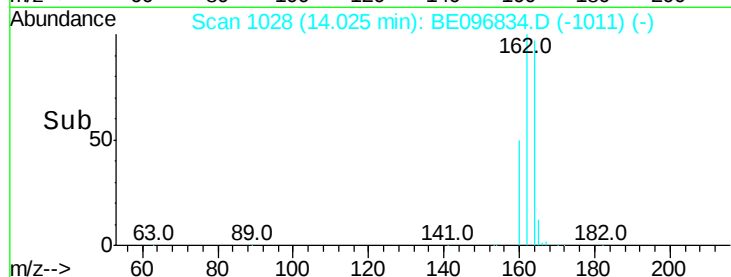
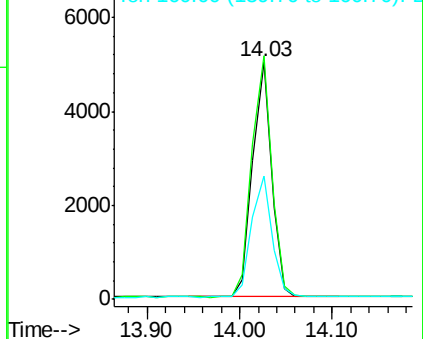
160 52.0 37.1 55.7



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: 0.389 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

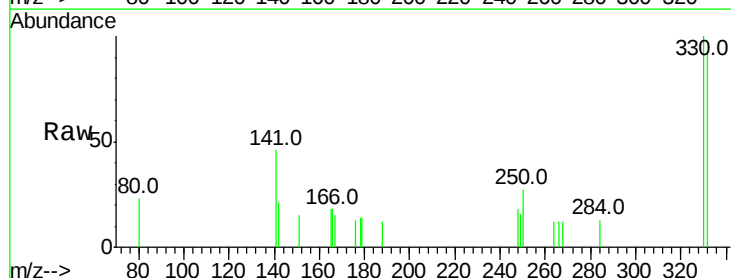
Tgt Ion:330 Resp: 566

Ion Ratio Lower Upper

330 100

332 96.3 152.7 229.1#

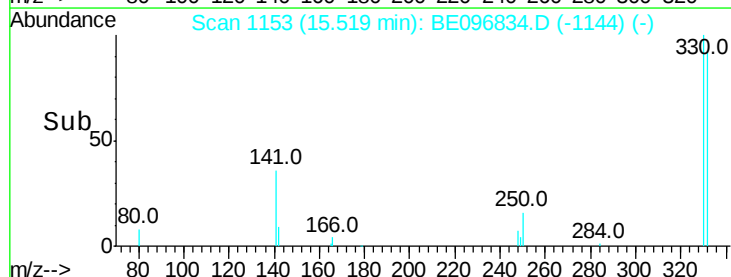
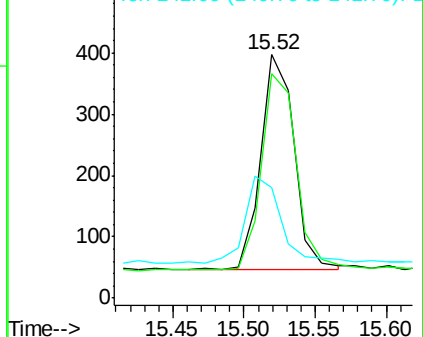
141 42.9 33.7 50.5

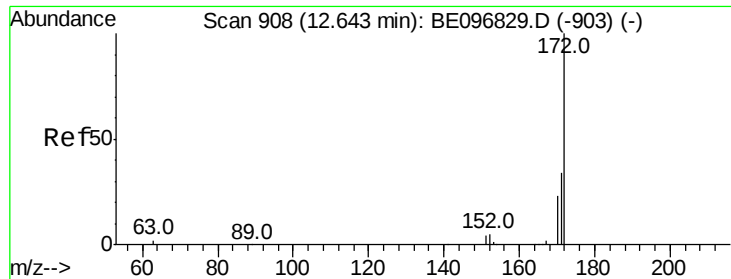


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

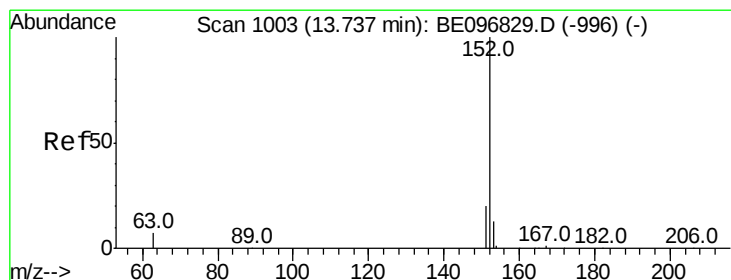
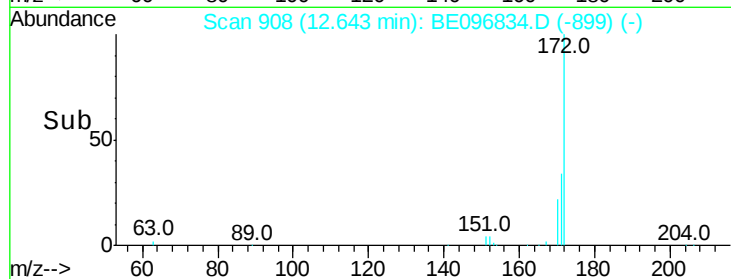
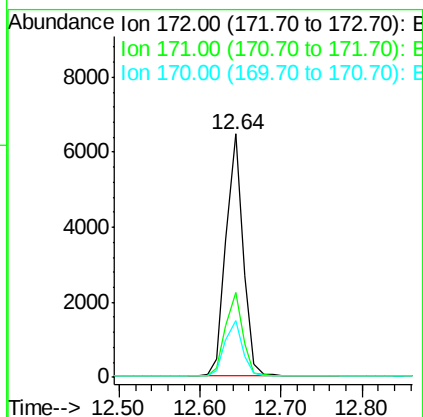
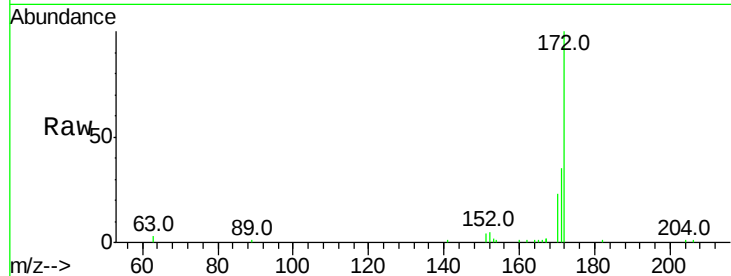




#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

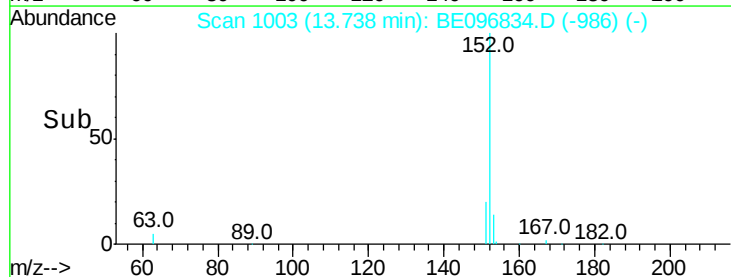
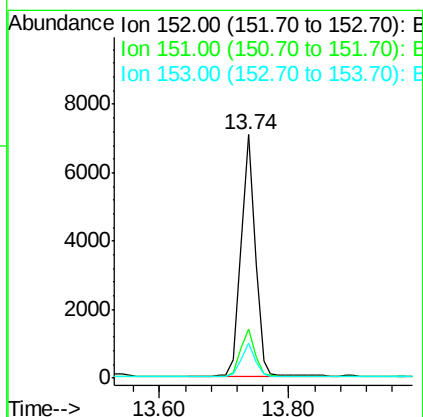
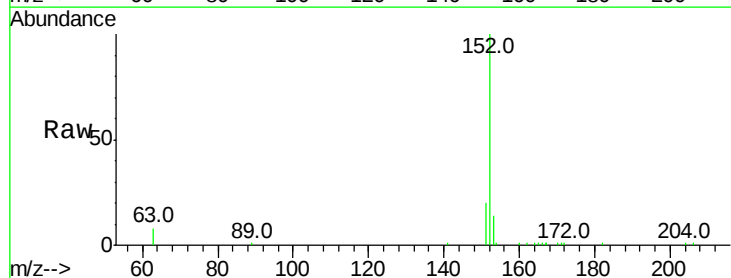
Instrument :
BNA_E
ClientSampleId :

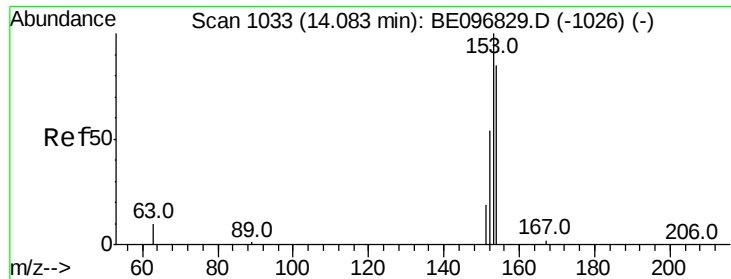
Tot Ion:172 Resp: 9393
Ion Ratio Lower Upper
172 100
171 34.9 29.9 44.9
170 23.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.343 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE096834.D
Acq: 20 Jun 2018 15:30

Tgt Ion:152 Resp: 10726
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.345 ng

RT: 14.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

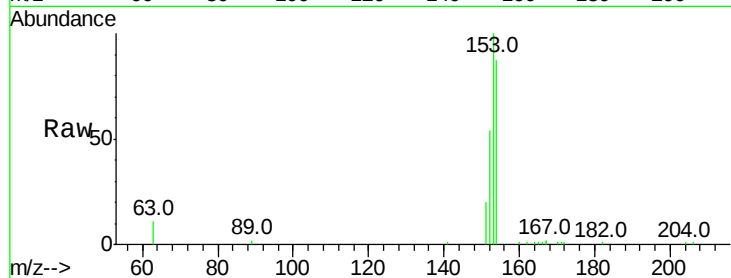
Tot Ion:154 Resp: 7122

Ion Ratio Lower Upper

154 100

153 115.7 89.2 133.8

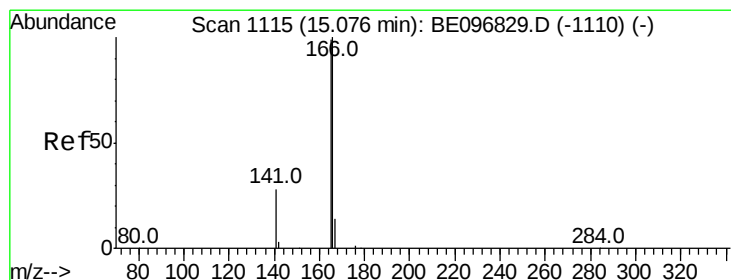
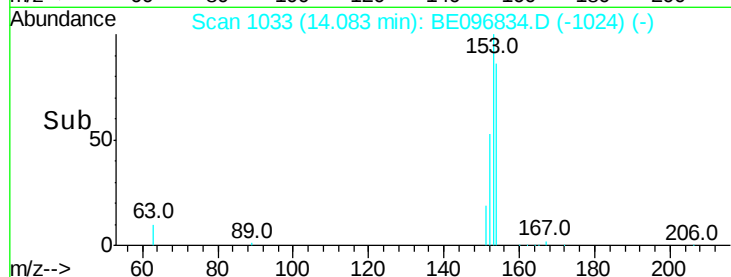
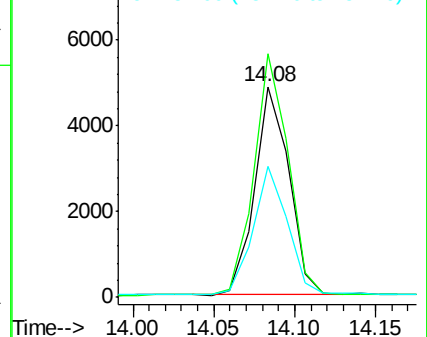
152 62.0 42.0 63.0



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: 0.346 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

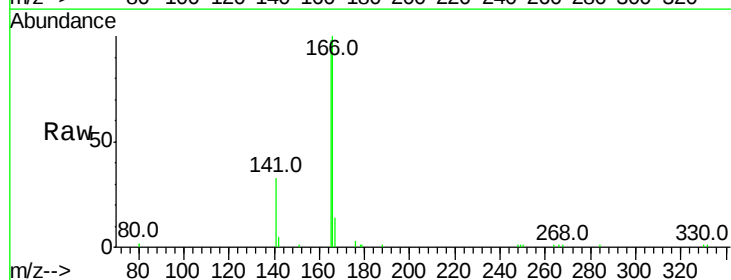
Tgt Ion:166 Resp: 8410

Ion Ratio Lower Upper

166 100

165 97.4 77.8 116.6

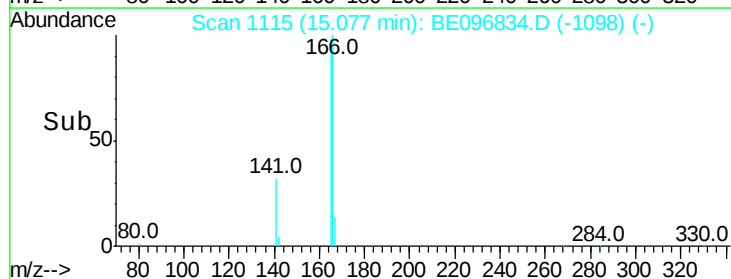
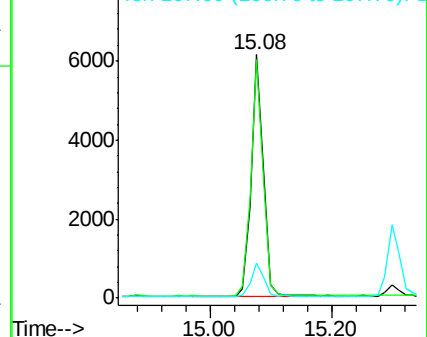
167 14.4 42.4 63.6#

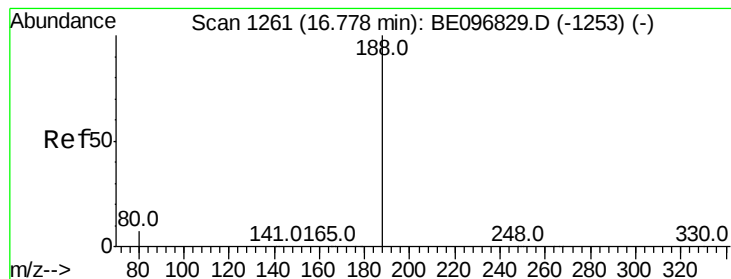


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1261

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

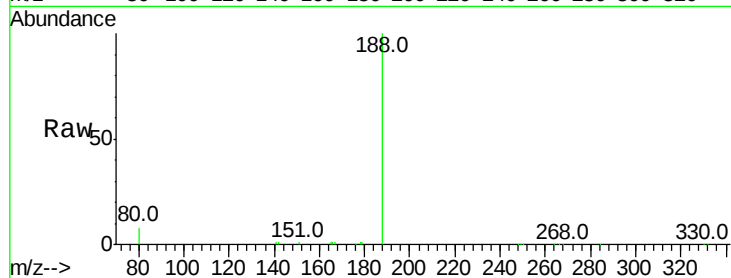
Tot Ion:188 Resp: 20427

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

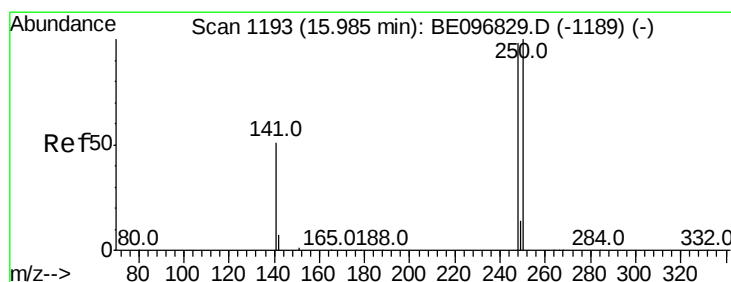
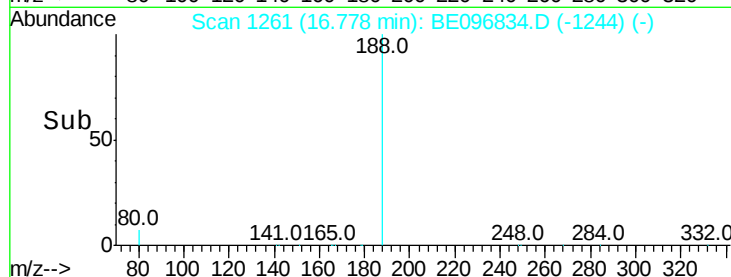
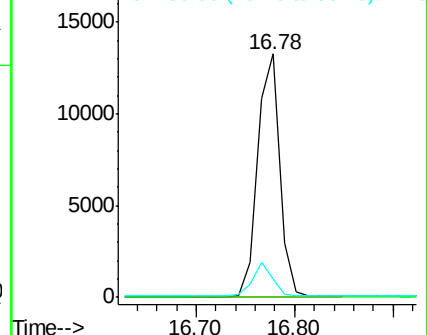
80 7.6 3.6 5.4#



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: 0.332 ng

RT: 15.99 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

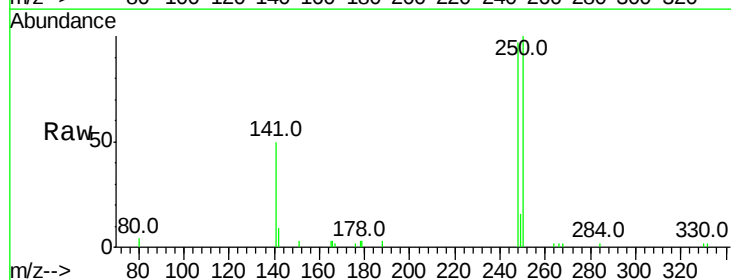
Tgt Ion:248 Resp: 3057

Ion Ratio Lower Upper

248 100

250 103.4 62.7 94.1#

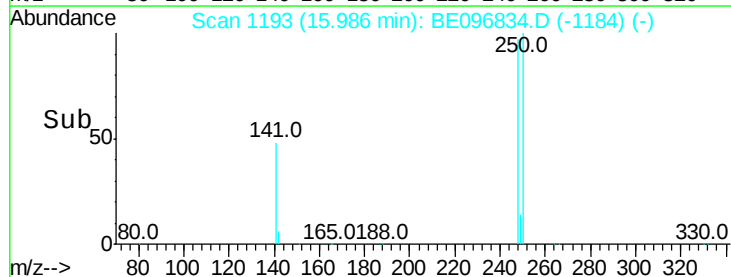
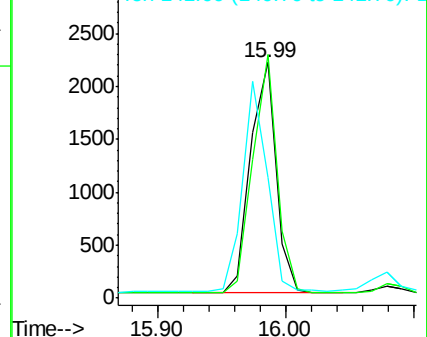
141 51.2 48.2 72.2

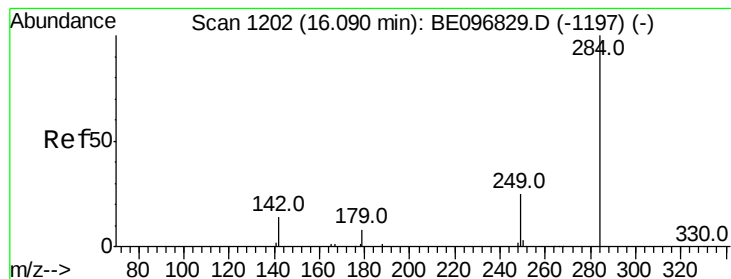


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.336 ng

RT: 16.09 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

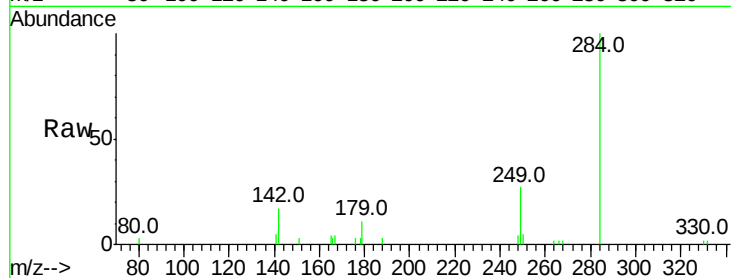
Tot Ion:284 Resp: 3529

Ion Ratio Lower Upper

284 100

142 39.5 22.1 33.1#

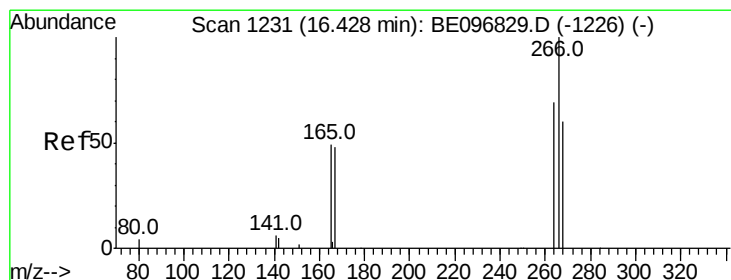
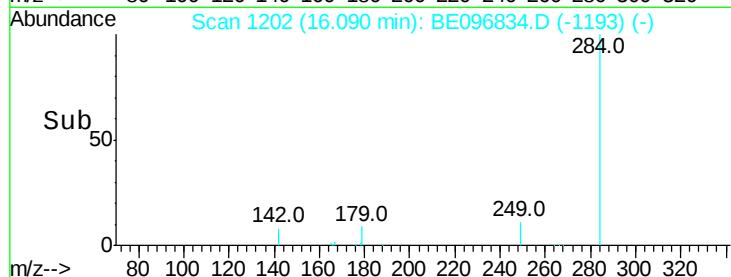
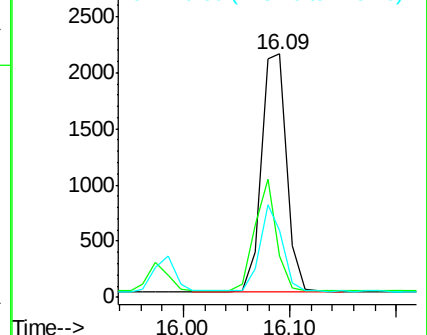
249 31.8 34.8 52.2#



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: 0.406 ng

RT: 16.43 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

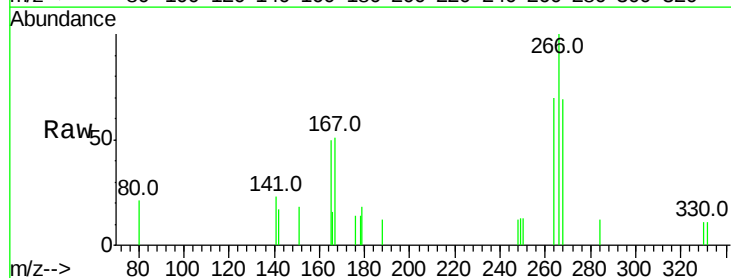
Tgt Ion:266 Resp: 633

Ion Ratio Lower Upper

266 100

264 70.3 72.5 108.7#

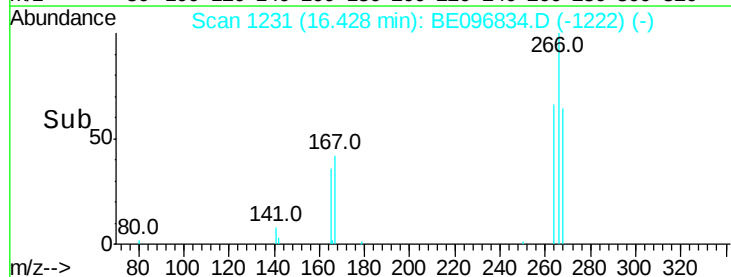
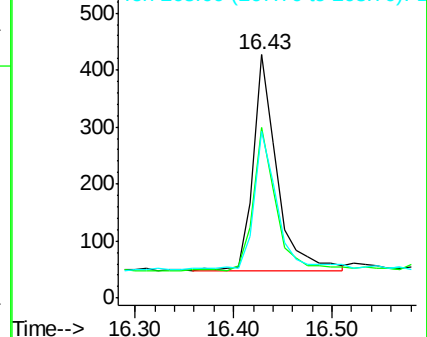
268 68.6 73.8 110.6#

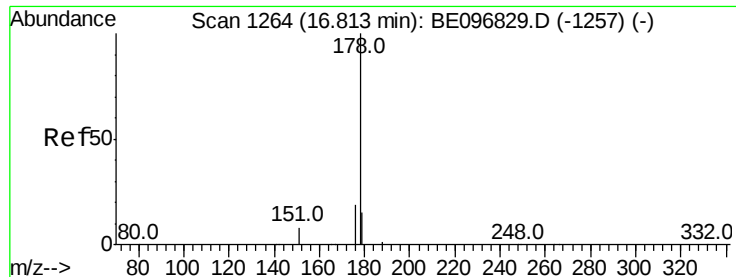


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.337 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

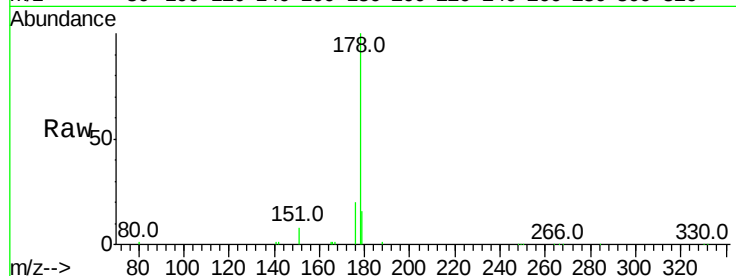
Tot Ion:178 Resp: 16919

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

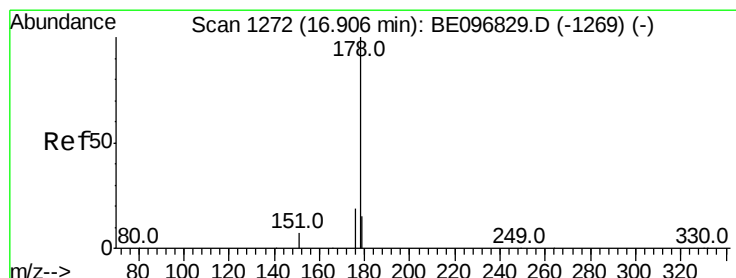
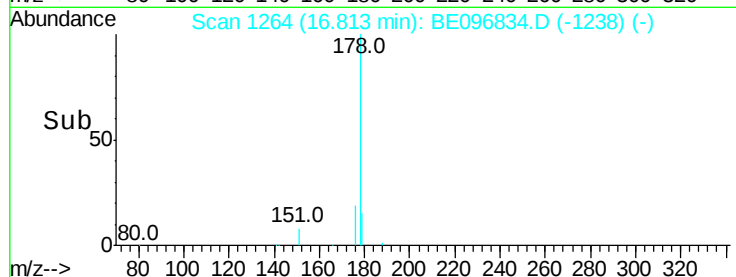
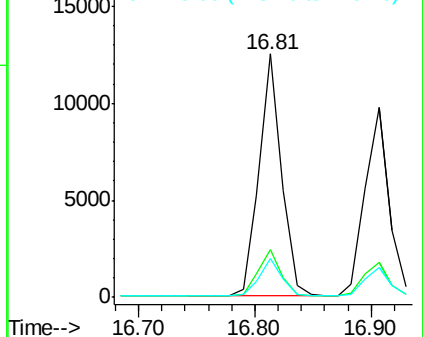
179 15.4 11.8 17.6



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: 0.337 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

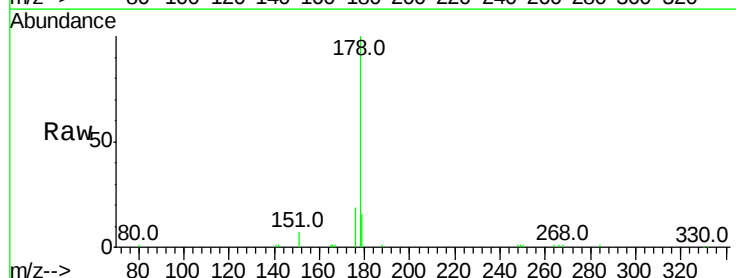
Tgt Ion:178 Resp: 14002

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

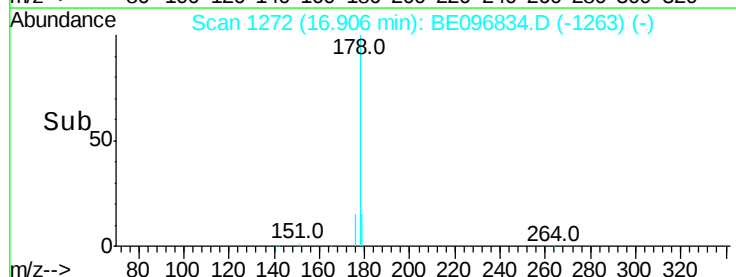
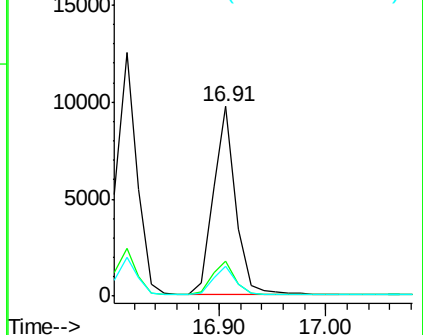
179 15.3 13.0 19.6

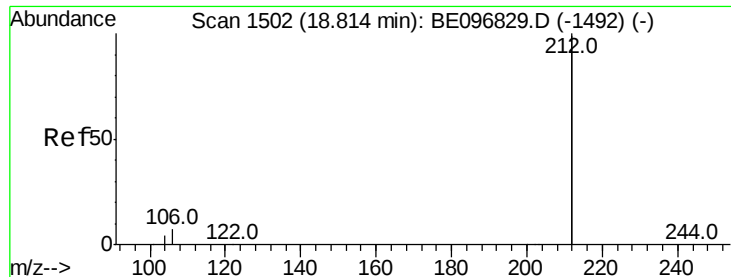


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.338 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

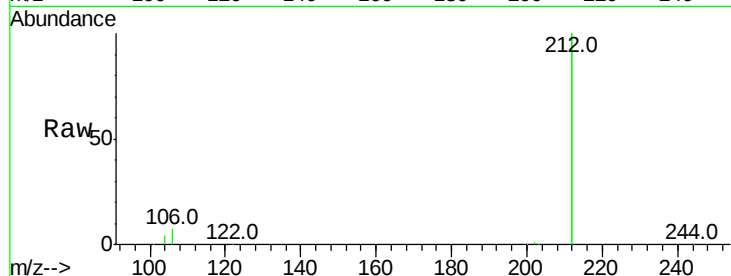
Tot Ion:212 Resp: 60795

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

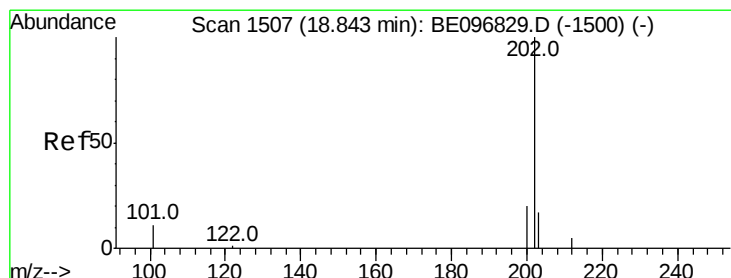
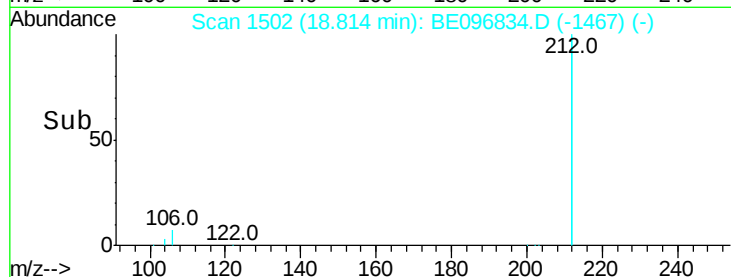
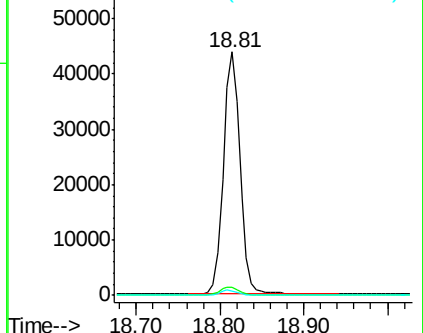
104 1.9 1.6 2.4



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: 0.351 ng

RT: 18.84 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

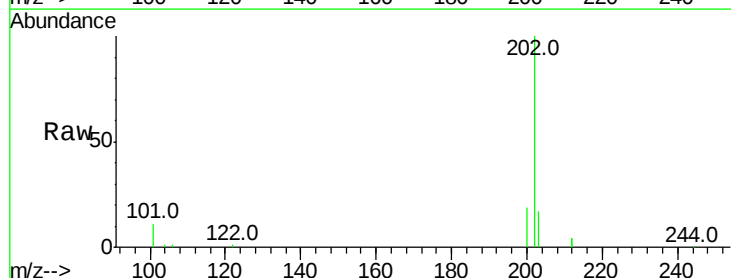
Tgt Ion:202 Resp: 17802

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

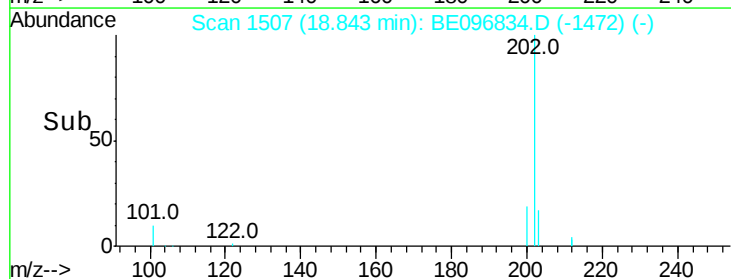
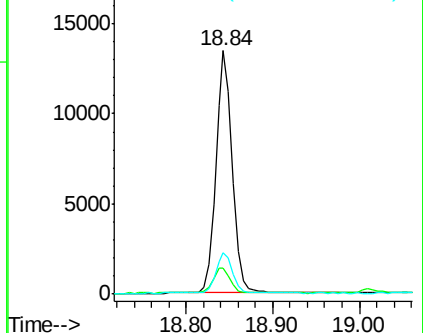
203 17.2 13.7 20.5

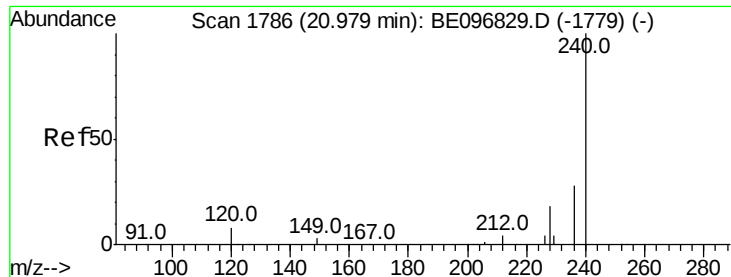


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1786

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

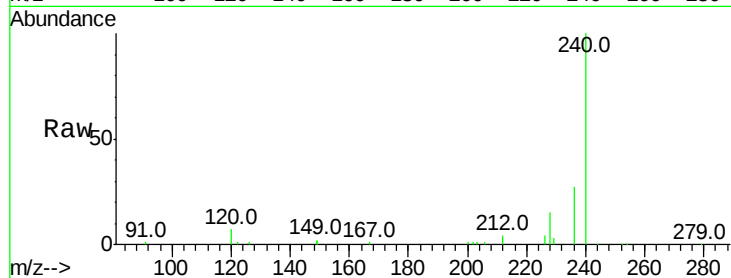
Tot Ion:240 Resp: 17534

Ion Ratio Lower Upper

240 100

120 7.0 5.5 8.3

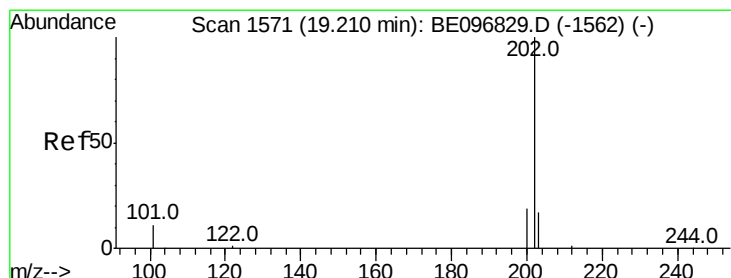
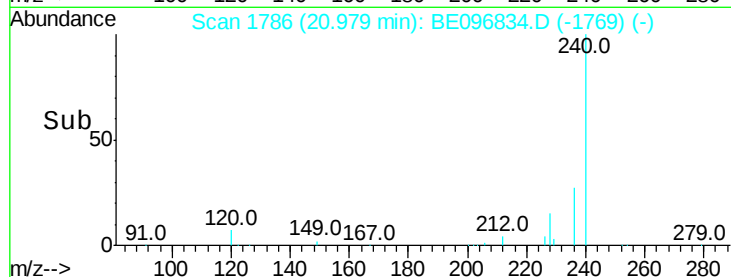
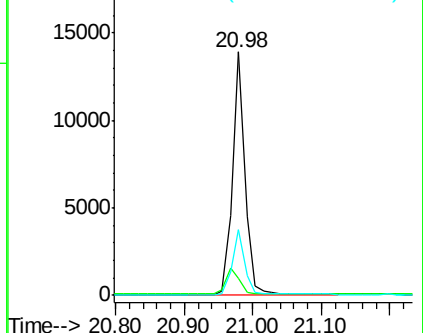
236 27.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.368 ng

RT: 19.21 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

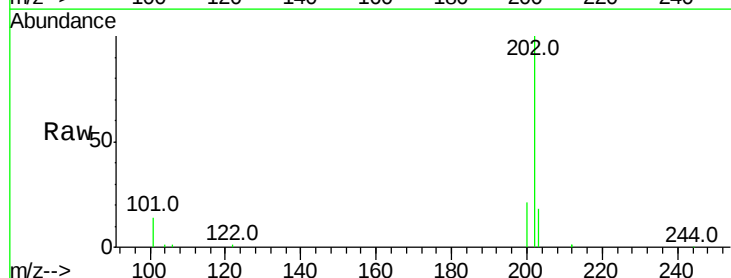
Tgt Ion:202 Resp: 18656

Ion Ratio Lower Upper

202 100

200 19.8 16.6 25.0

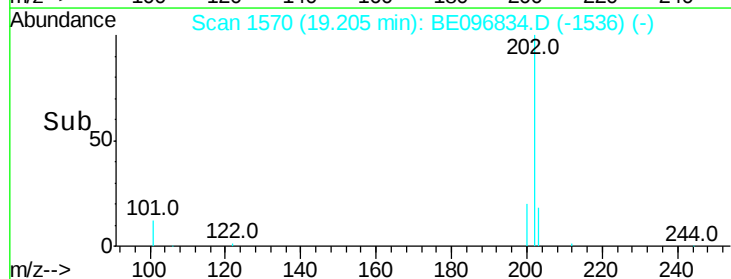
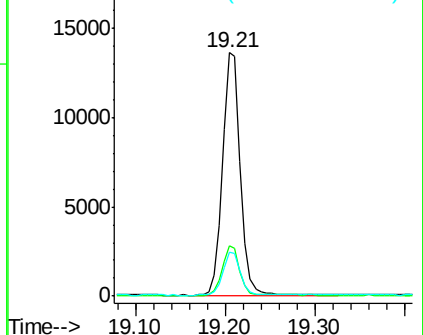
203 17.5 13.8 20.8

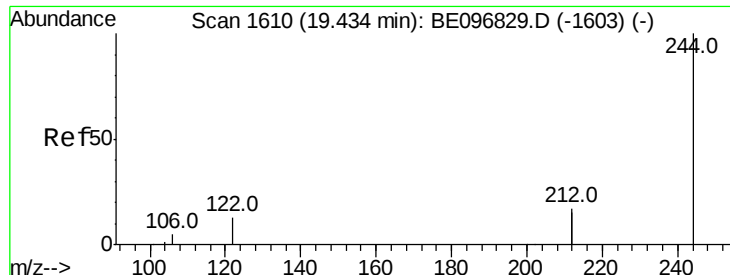


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

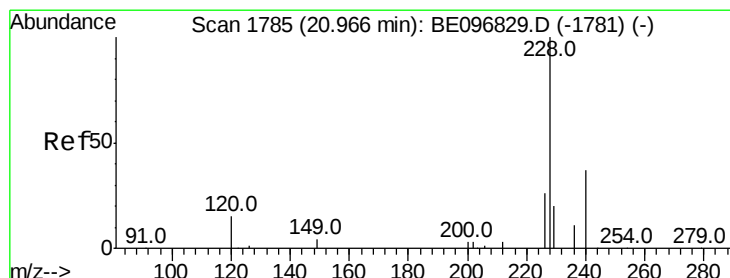
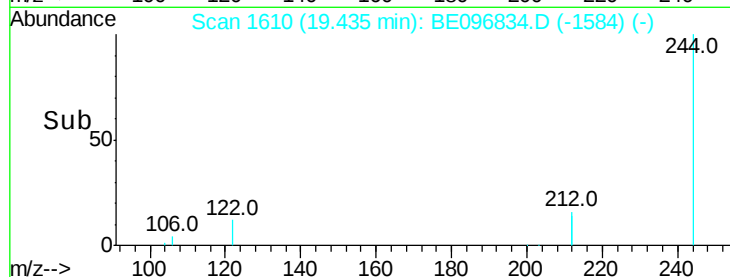
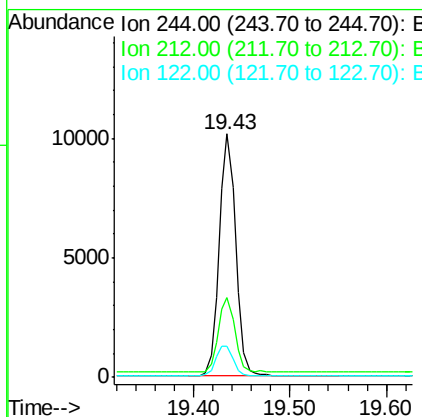
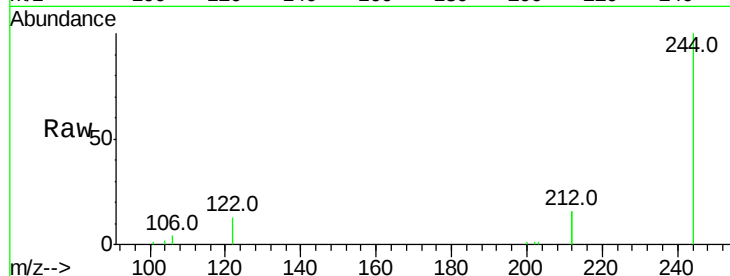




#29
 Terphenyl-d14
 Concen: 0.361 ng
 RT: 19.43 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BE096834.D
 Acq: 20 Jun 2018 15:30

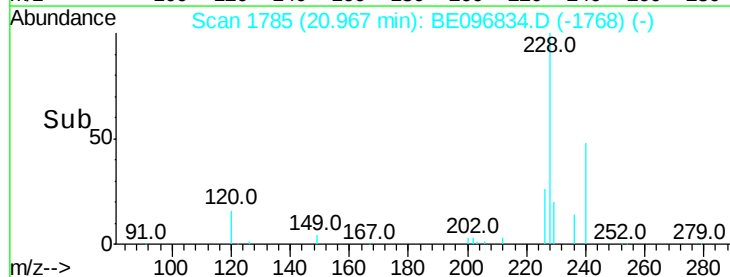
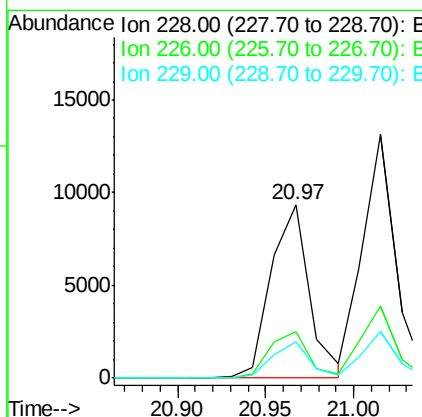
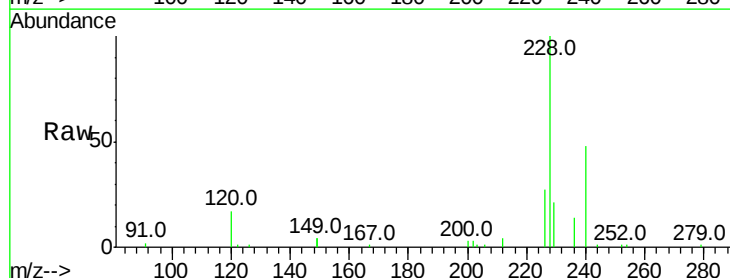
Instrument :
 BNA_E
 ClientSampleId :

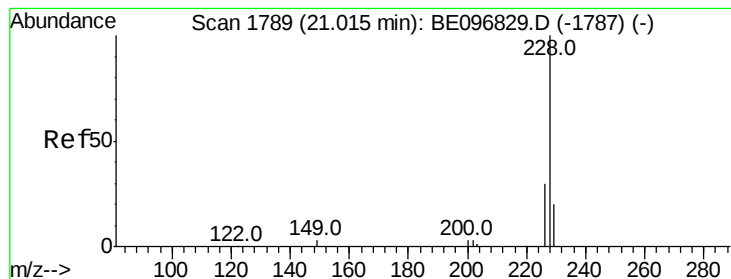
Tot Ion:244 Resp: 12221
 Ion Ratio Lower Upper
 244 100
 212 32.5 25.4 38.0
 122 12.8 8.1 12.1#



#30
 Benzo(a)anthracene
 Concen: 0.358 ng
 RT: 20.97 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: BE096834.D
 Acq: 20 Jun 2018 15:30

Tgt Ion:228 Resp: 13909
 Ion Ratio Lower Upper
 228 100
 226 26.7 24.0 36.0
 229 20.8 16.0 24.0





#31

Chrysene

Concen: 0.348 ng

RT: 21.02 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

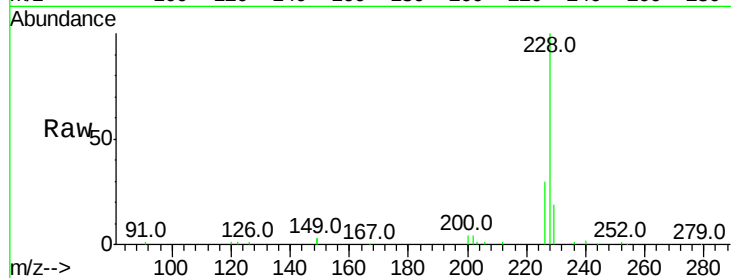
Tot Ion:228 Resp: 16679

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

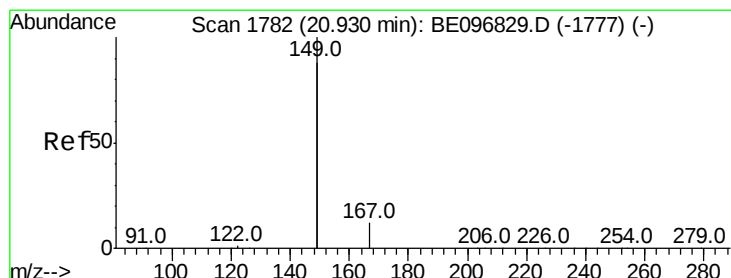
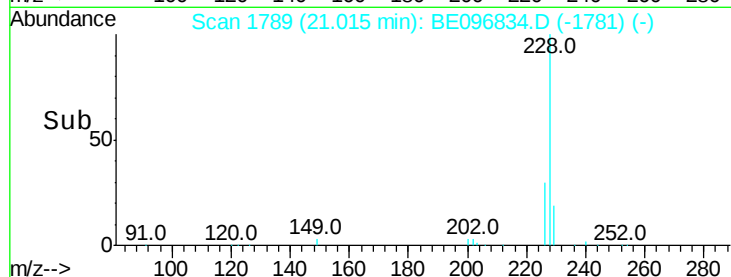
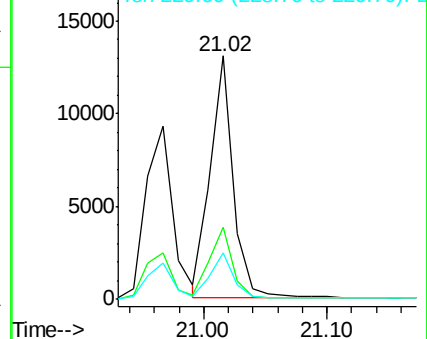
229 19.3 16.0 24.0



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: 0.391 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

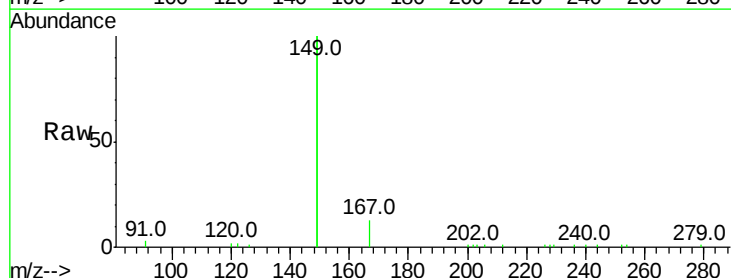
Tgt Ion:149 Resp: 13605

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

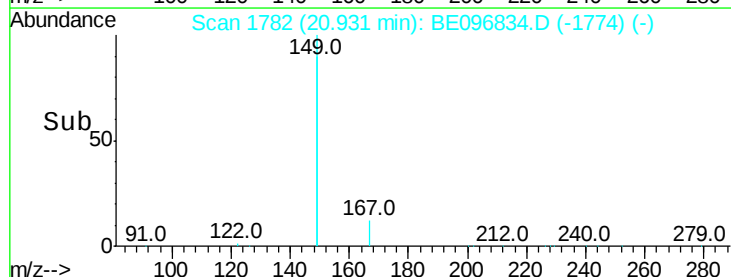
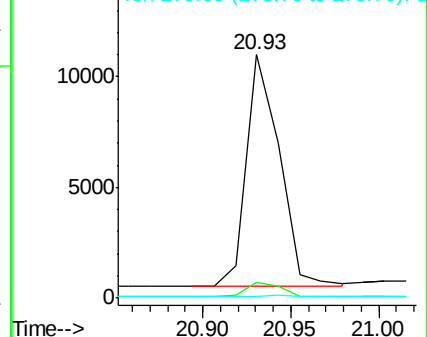
279 0.9 0.7 1.1

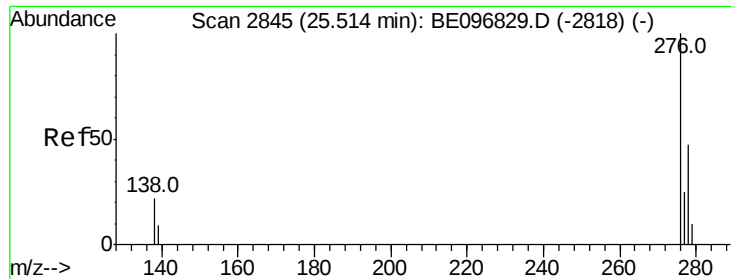


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.351 ng

RT: 25.51 min Scan# 2843

Delta R.T. -0.01 min

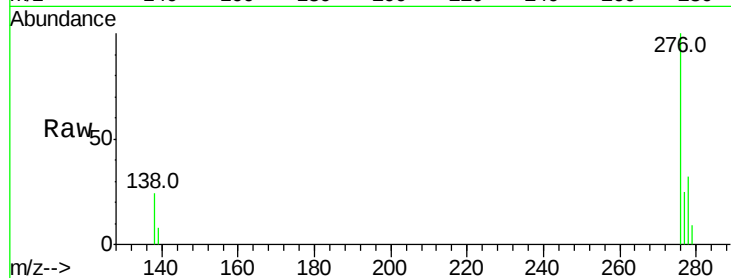
Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :



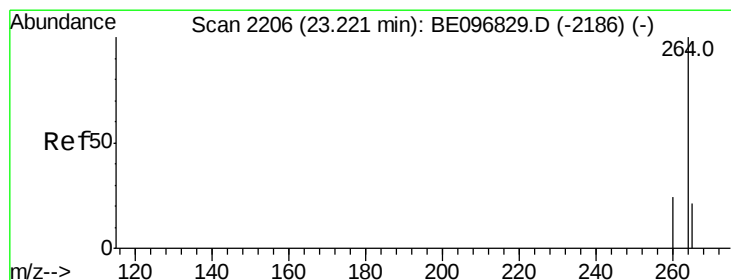
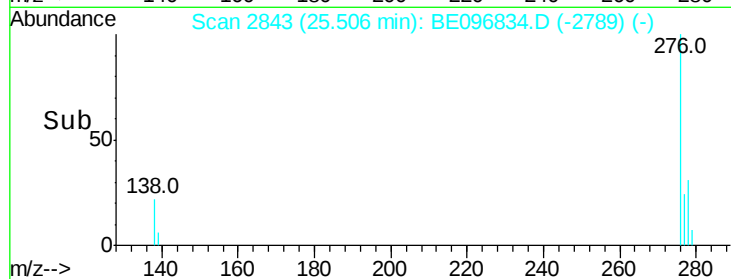
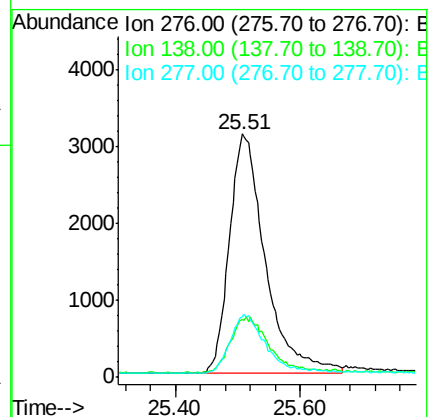
Tot Ion:276 Resp: 12515

Ion Ratio Lower Upper

276 100

138 24.3 22.5 33.7

277 23.9 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

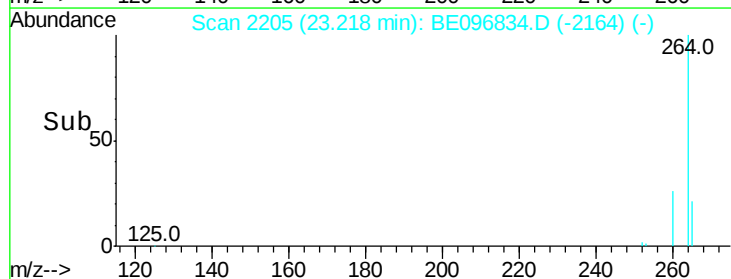
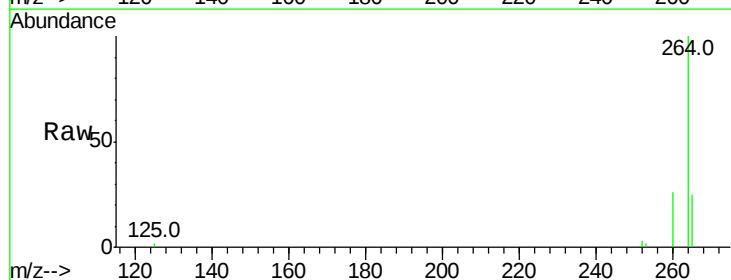
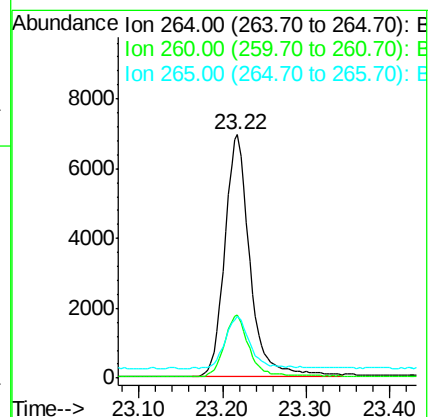
Tgt Ion:264 Resp: 14409

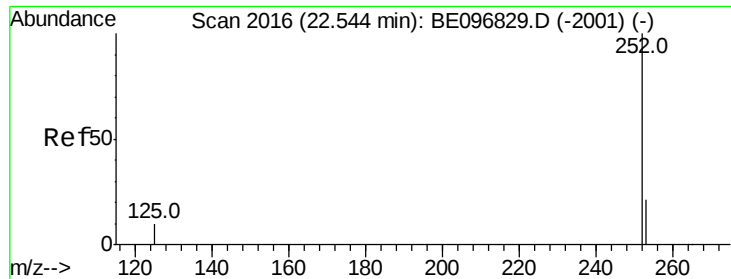
Ion Ratio Lower Upper

264 100

260 26.1 20.5 30.7

265 25.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.328 ng

RT: 22.54 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

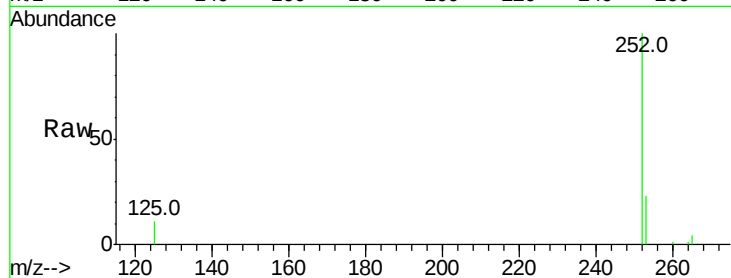
Tot Ion:252 Resp: 12917

Ion Ratio Lower Upper

252 100

253 23.2 20.0 30.0

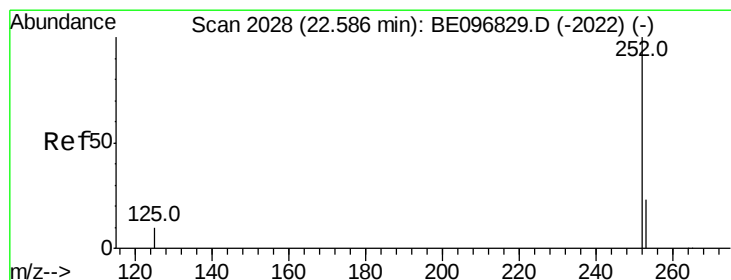
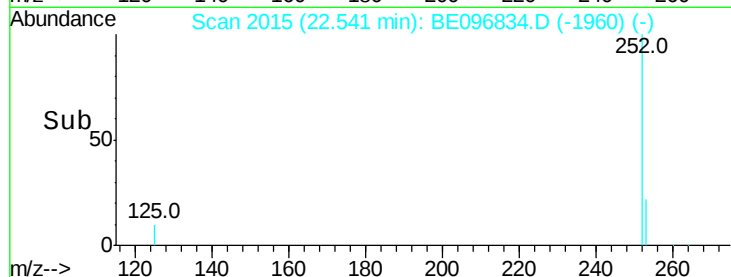
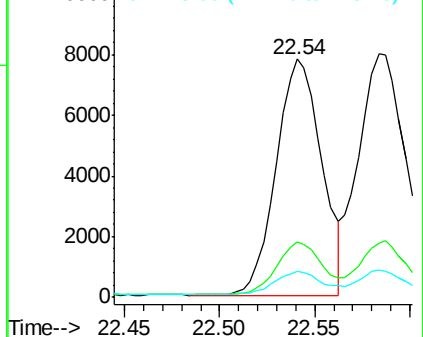
125 10.8 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.350 ng

RT: 22.58 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

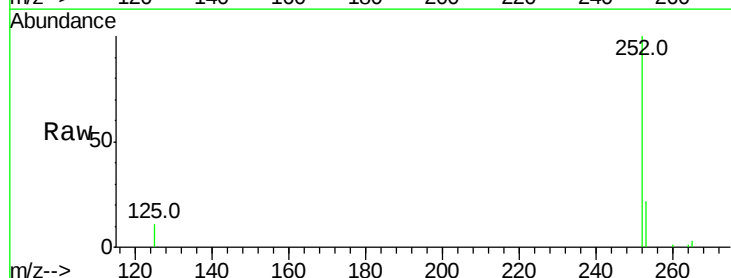
Tgt Ion:252 Resp: 14706

Ion Ratio Lower Upper

252 100

253 22.1 16.0 24.0

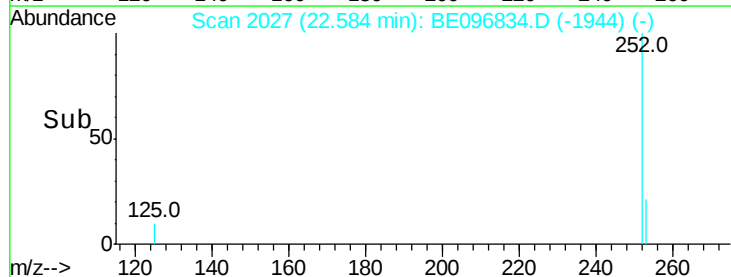
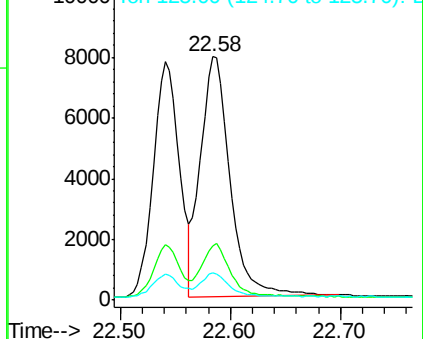
125 11.0 8.0 12.0

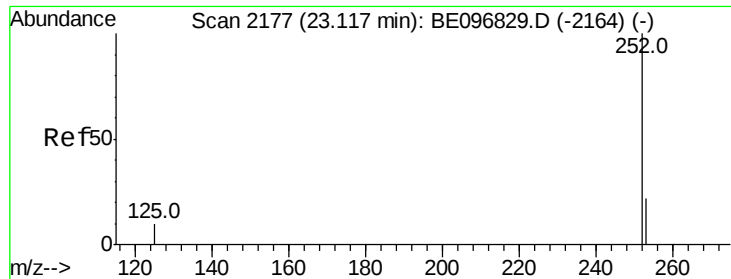


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2176

Delta R.T. -0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :

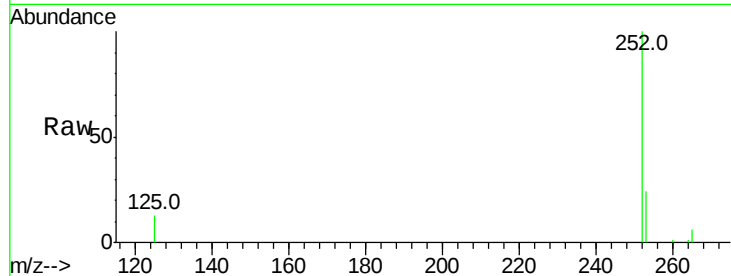
Tot Ion:252 Resp: 10859

Ion Ratio Lower Upper

252 100

253 23.5 16.0 24.0

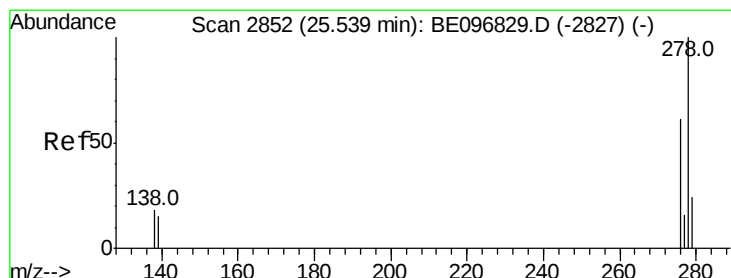
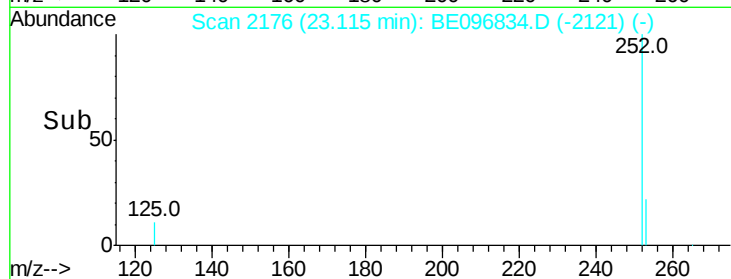
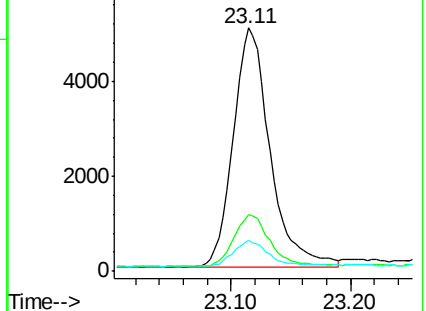
125 12.6 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.355 ng

RT: 25.54 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

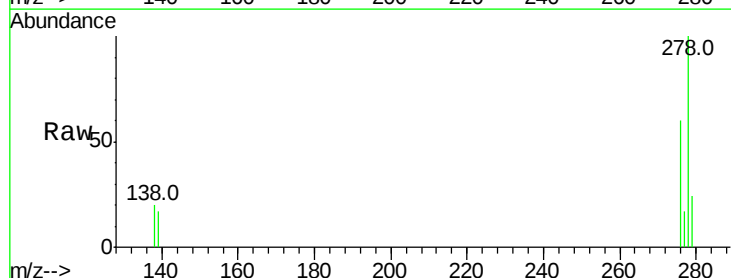
Tgt Ion:278 Resp: 10387

Ion Ratio Lower Upper

278 100

139 16.9 16.0 24.0

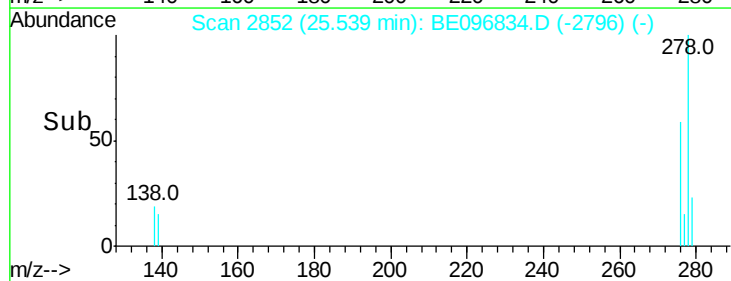
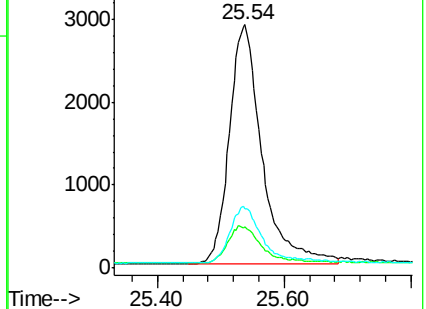
279 24.4 20.0 30.0

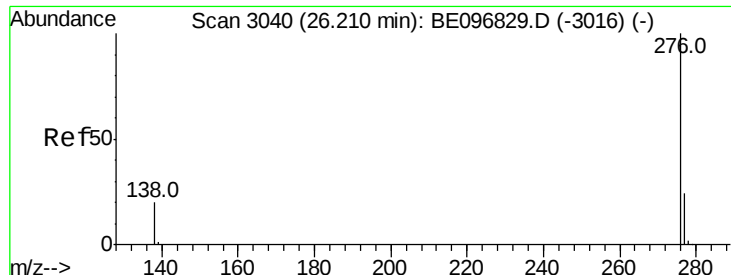


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.330 ng

RT: 26.21 min Scan# 3040

Delta R.T. -0.00 min

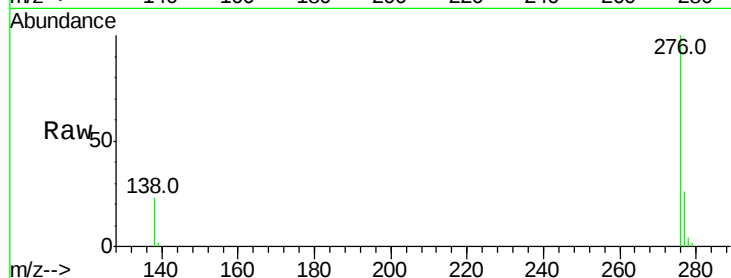
Lab File: BE096834.D

Acq: 20 Jun 2018 15:30

Instrument :

BNA_E

ClientSampleId :



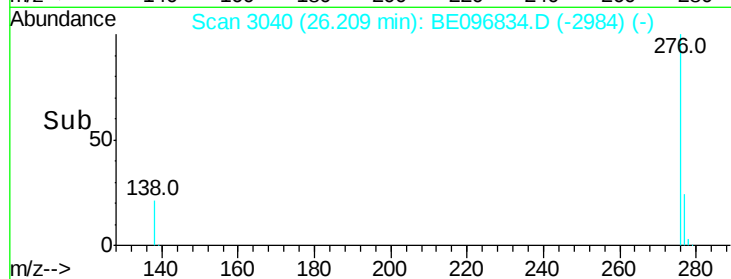
Tot Ion:276 Resp: 11509

Ion Ratio Lower Upper

276 100

277 25.5 16.0 24.0#

138 22.5 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

