

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121418\
 Data File : BE098436.D
 Acq On : 14 Dec 2018 15:18
 Operator : SJ/JU
 Sample : PB115586BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115586BS

Quant Time: Dec 14 23:31:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1014	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	4048	0.40	ng	-0.01
13) Acenaphthene-d10	14.53	164	2357	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	6164	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	8354	0.40	ng	0.00
34) Perylene-d12	24.00	264	7969	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	571	0.24	ng	0.01
5) Phenol-d6	7.05	99	808	0.24	ng	0.00
8) Nitrobenzene-d5	9.03	82	895	0.24	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	1636	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	159	0.18	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	2289	0.23	ng	0.00
25) Fluoranthene-d10	19.30	212	21779	0.28	ng	0.00
29) Terphenyl-d14	19.90	244	3785	0.19	ng	0.00

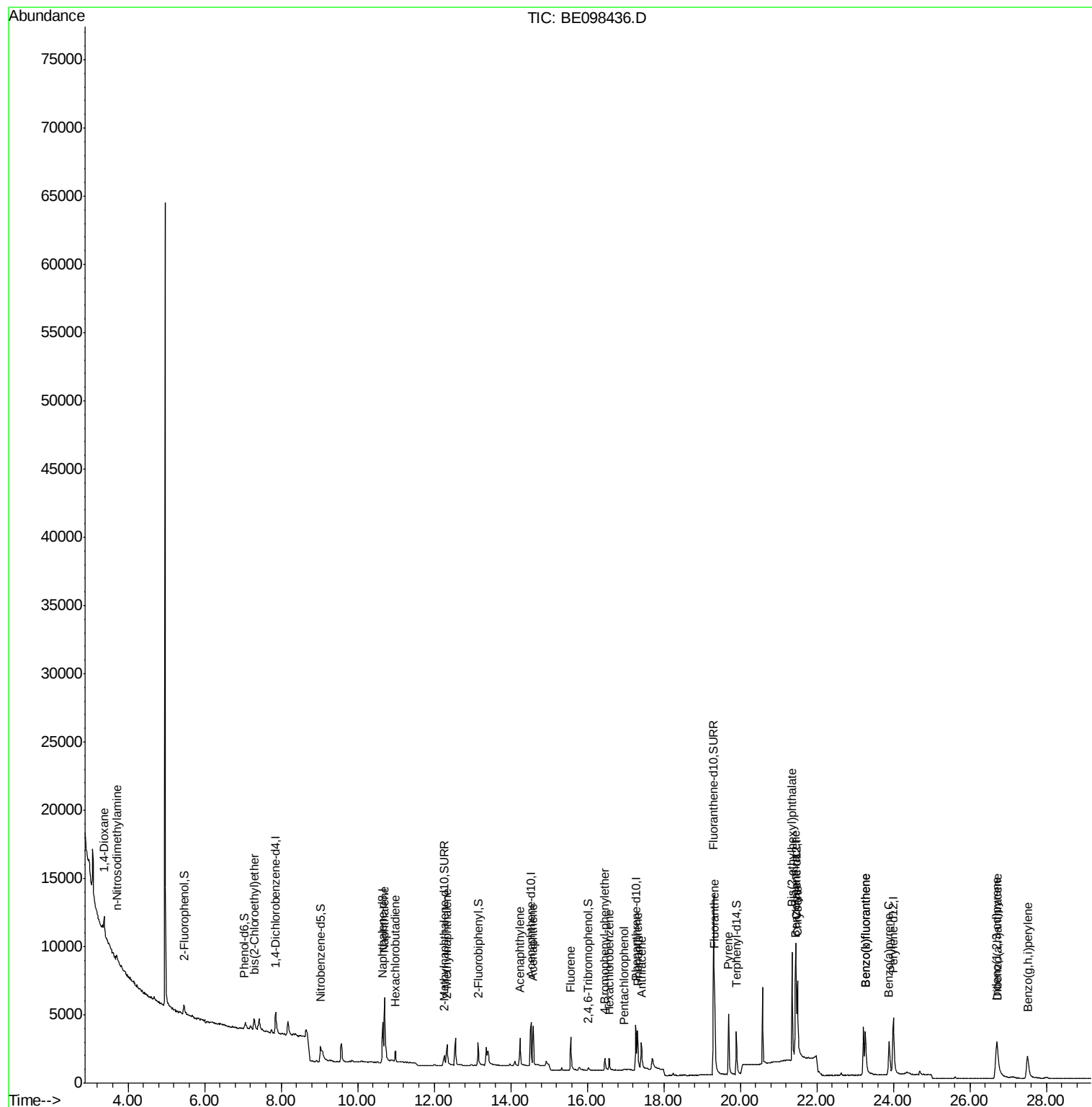
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	583	0.332	ng	# 37
3) n-Nitrosodimethylamine	3.71	42	271	0.172	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	536	0.168	ng	97
9) Naphthalene	10.71	128	9924	0.244	ng	# 98
10) Hexachlorobutadiene	10.99	225	636	0.245	ng	95
12) 2-Methylnaphthalene	12.34	142	1504	0.227	ng	95
16) Acenaphthylene	14.24	152	2599	0.235	ng	98
17) Acenaphthene	14.59	154	1442	0.217	ng	96
18) Fluorene	15.57	166	1952	0.220	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	634	0.191	ng	93
21) Hexachlorobenzene	16.58	284	752	0.211	ng	94
22) Pentachlorophenol	16.97	266	72	0.146	ng	# 75
23) Phenanthrene	17.32	178	3496	0.233	ng	98
24) Anthracene	17.41	178	2829	0.212	ng	99
26) Fluoranthene	19.33	202	5334	0.269	ng	99
28) Pyrene	19.69	202	5167	0.197	ng	99
30) Benzo(a)anthracene	21.44	228	5476	0.230	ng	97
31) Chrysene	21.50	228	5786	0.232	ng	98
32) Bis(2-ethylhexyl)phthalate	21.35	149	9895	0.205	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	5338	0.215	ng	96
35) Benzo(b)fluoranthene	23.27	252	6216	0.285	ng	99
36) Benzo(k)fluoranthene	23.27	252	6491	0.256	ng	99
37) Benzo(a)pyrene	23.89	252	5340	0.237	ng	# 93
38) Dibenzo(a,h)anthracene	26.72	278	4487	0.212	ng	# 95
39) Benzo(g,h,i)perylene	27.51	276	5035	0.236	ng	97

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

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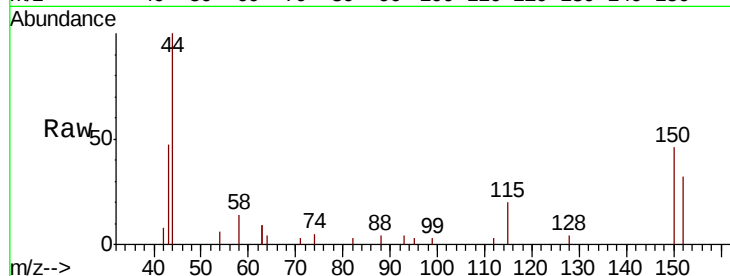


#1

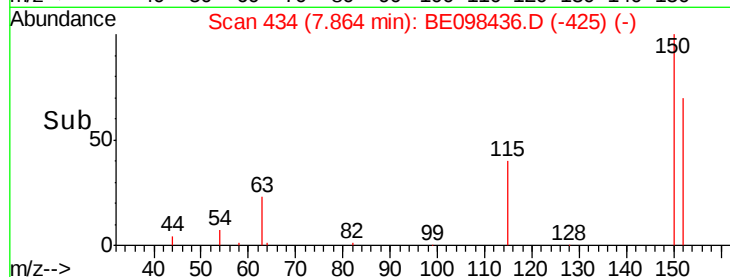
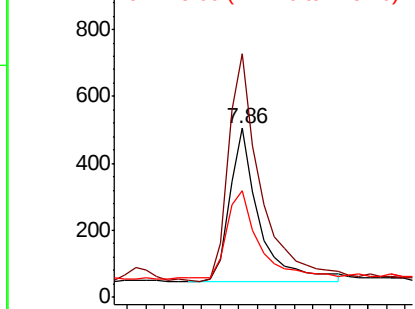
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098436.D
Acq: 14 Dec 2018 15:18

Instrument :
BNA_G
ClientSampleId :
PB115586BS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	144.2	124.2	186.4
115	63.5	53.9	80.9



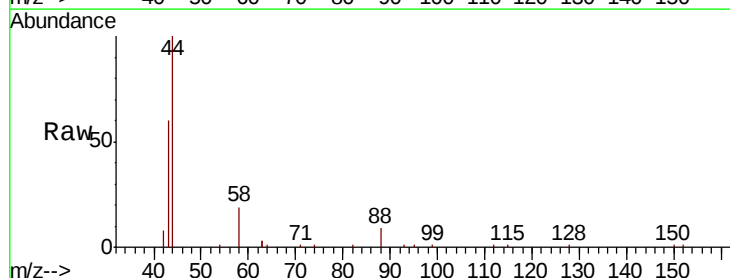
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



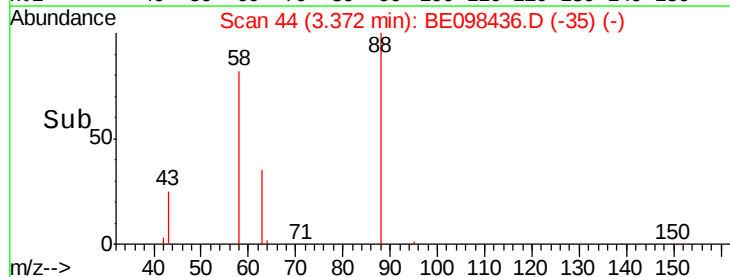
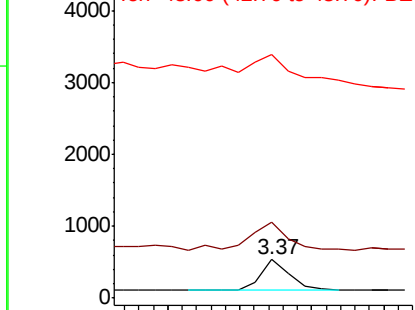
#2

1,4-Dioxane
Concen: 0.332 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098436.D
Acq: 14 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	124.9	75.0	112.6#
43	131.4	38.3	57.5#



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: 0.172 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

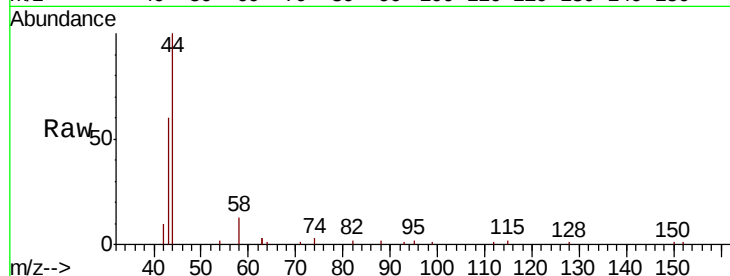
Tgt Ion: 42 Resp: 271

Ion Ratio Lower Upper

42 100

74 97.0 0.0 0.0#

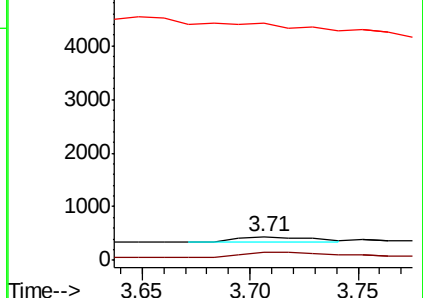
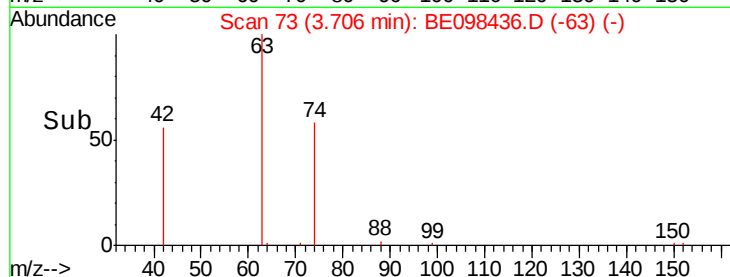
44 0.0 0.0 0.0



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: 0.241 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

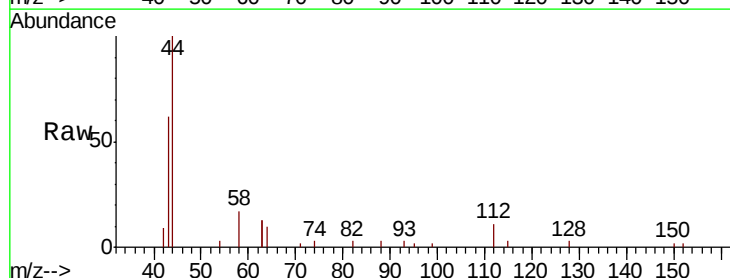
Tgt Ion: 112 Resp: 571

Ion Ratio Lower Upper

112 100

64 82.3 59.8 89.8

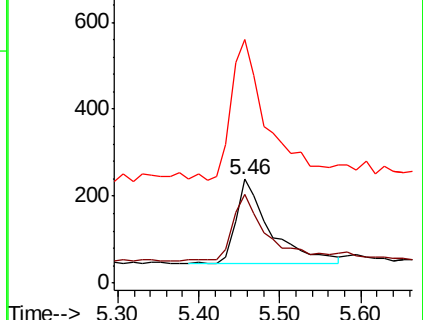
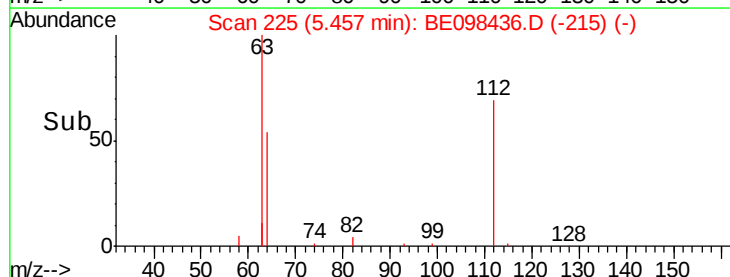
63 177.4 133.7 200.5



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: 0.240 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

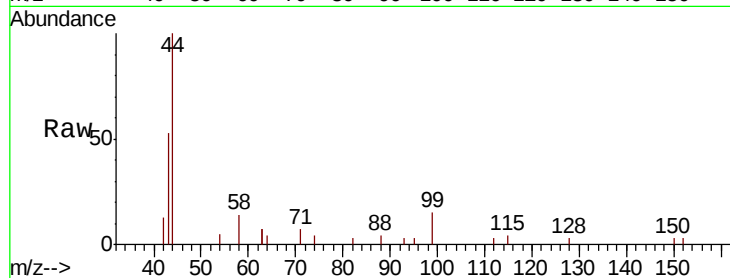
Tgt Ion: 99 Resp: 808

Ion Ratio Lower Upper

99 100

42 37.3 26.3 39.5

71 32.1 33.6 50.4#



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

7.05

300

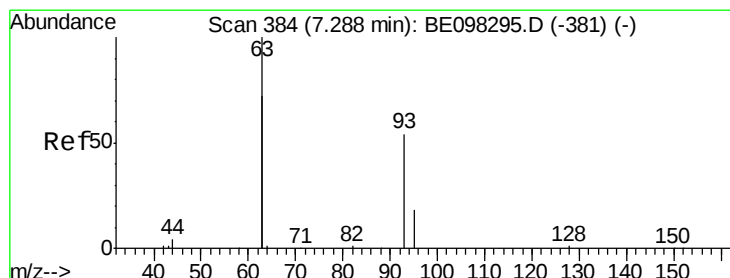
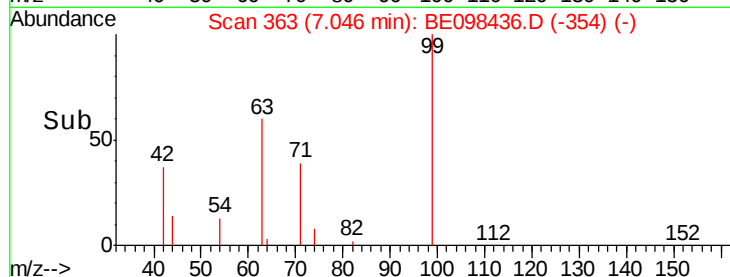
200

100

0

6.90 7.00 7.10 7.20 7.30

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.168 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

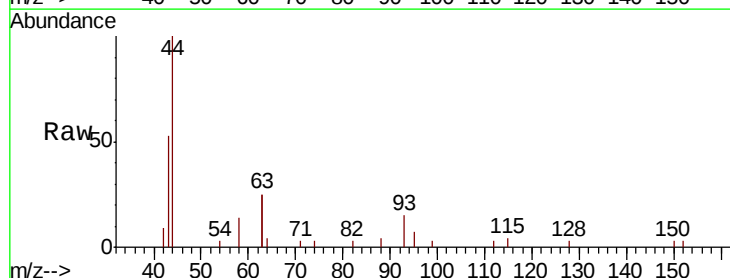
Tgt Ion: 93 Resp: 536

Ion Ratio Lower Upper

93 100

63 324.6 264.4 396.6

95 31.3 26.6 40.0



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

1000

800

600

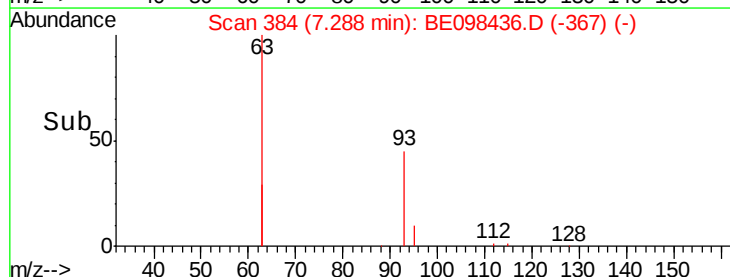
400

200

0

7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

Tgt Ion: 136 Resp: 4048

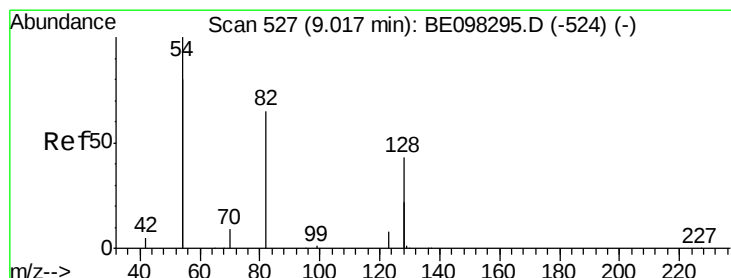
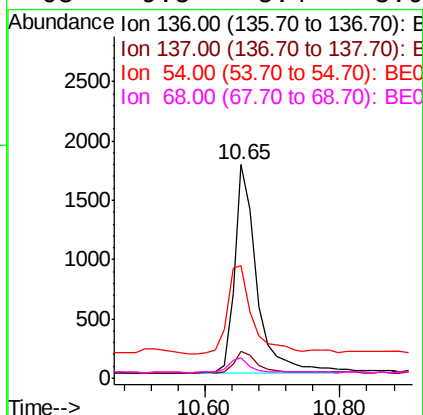
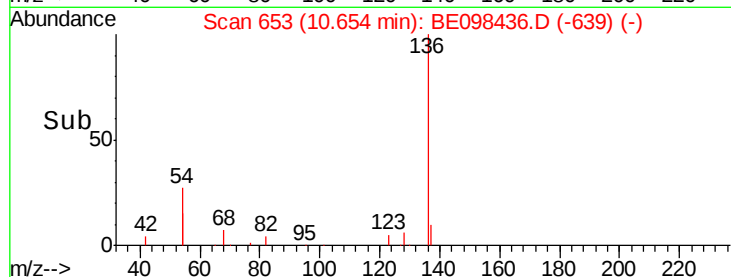
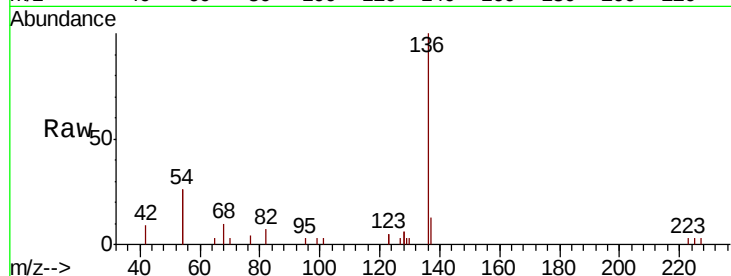
Ion Ratio Lower Upper

136 100

137 12.6 9.2 13.8

54 52.9 28.4 42.6#

68 9.5 5.4 8.0#



#8

Nitrobenzene-d5

Concen: 0.243 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

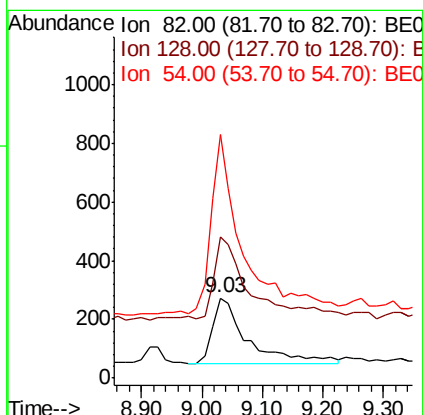
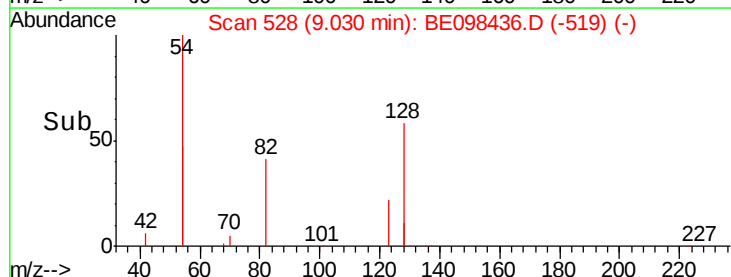
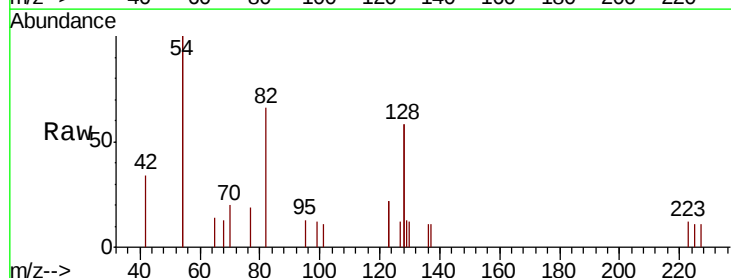
Tgt Ion: 82 Resp: 895

Ion Ratio Lower Upper

82 100

128 175.9 102.4 153.6#

54 302.9 221.8 332.8





#9

Naphthalene

Concen: 0.244 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

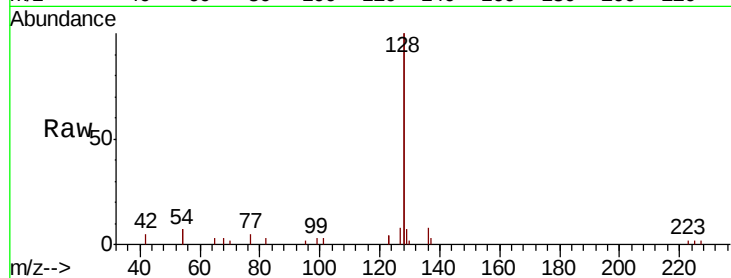
Tgt Ion:128 Resp: 9924

Ion Ratio Lower Upper

128 100

129 3.6 2.5 3.7

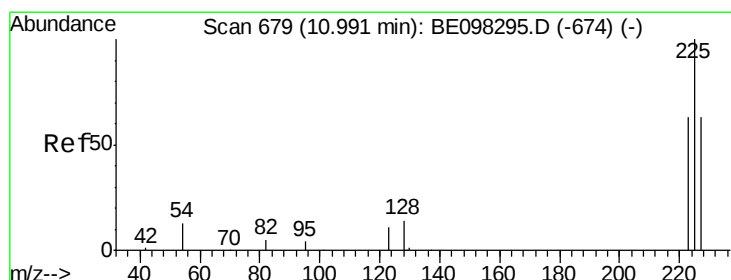
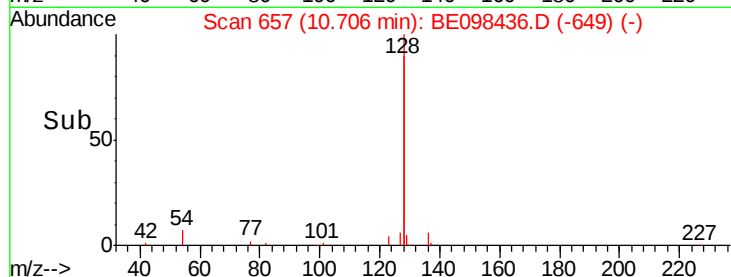
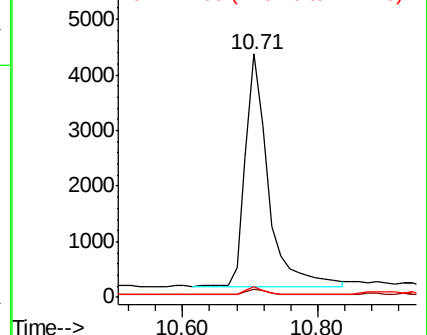
127 4.2 2.7 4.1#



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: 0.245 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

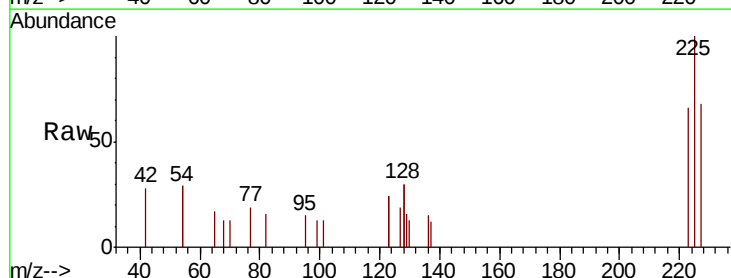
Tgt Ion:225 Resp: 636

Ion Ratio Lower Upper

225 100

223 56.9 49.4 74.0

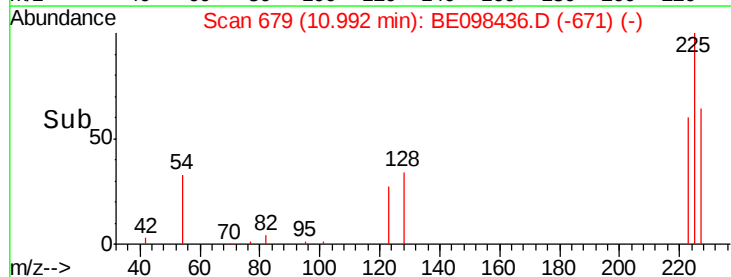
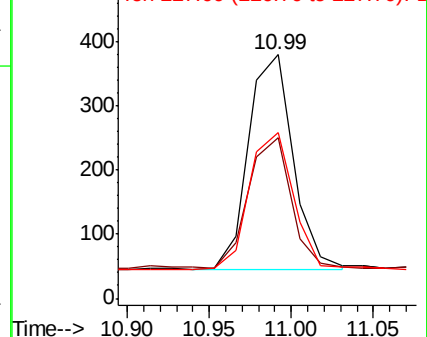
227 62.4 52.0 78.0

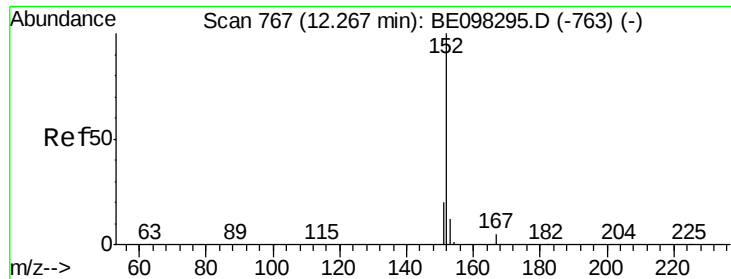


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

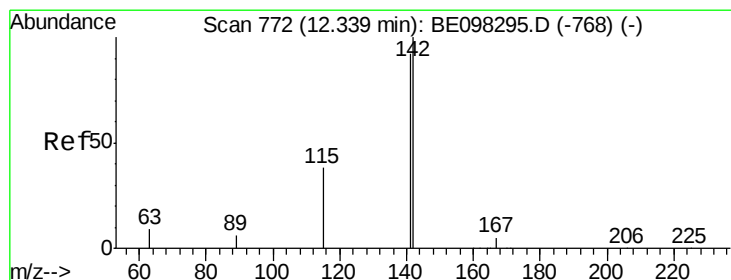
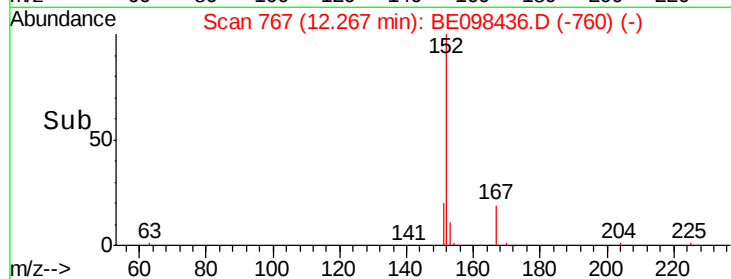
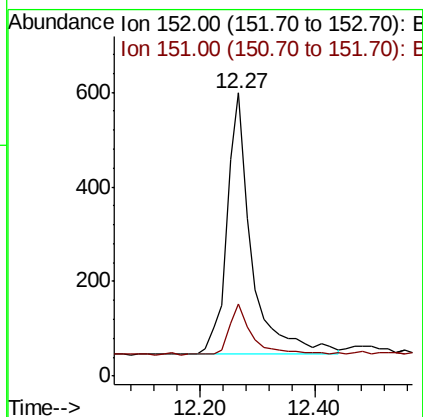
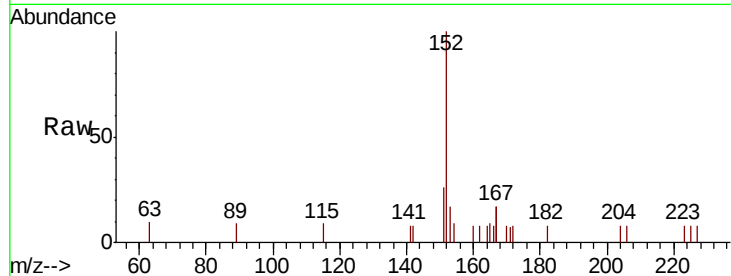




#11
 2-Methylnaphthalene-d10
 Concen: 0.249 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098436.D
 Acq: 14 Dec 2018 15:18

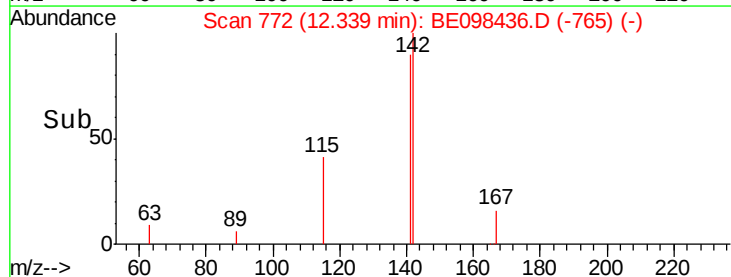
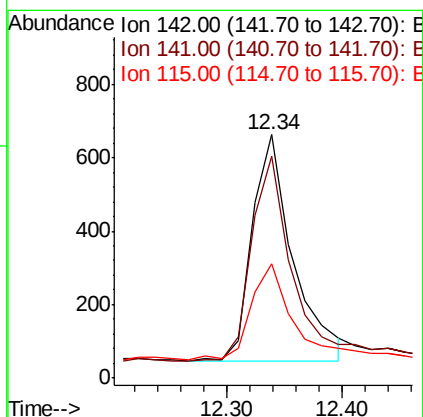
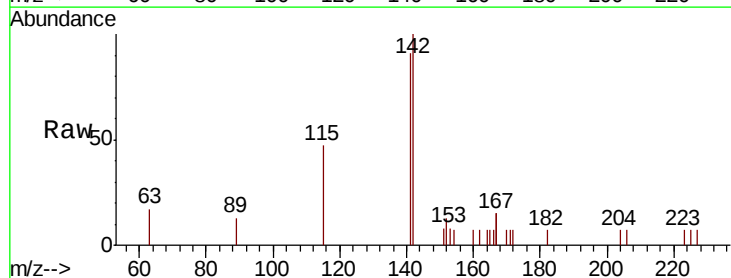
Instrument :
 BNA_G
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 PB115586BS

Tgt Ion:152 Resp: 1636
 Ion Ratio Lower Upper
 152 100
 151 17.5 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.227 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098436.D
 Acq: 14 Dec 2018 15:18

Tgt Ion:142 Resp: 1504
 Ion Ratio Lower Upper
 142 100
 141 91.1 71.0 106.6
 115 47.1 32.2 48.2

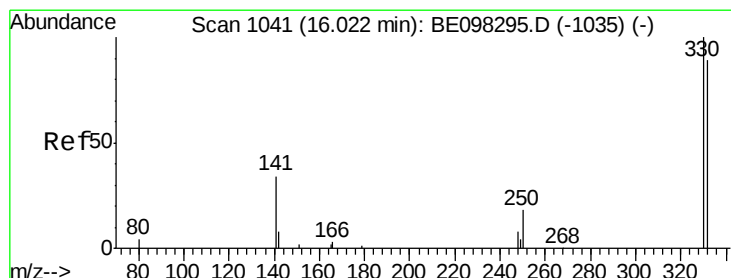
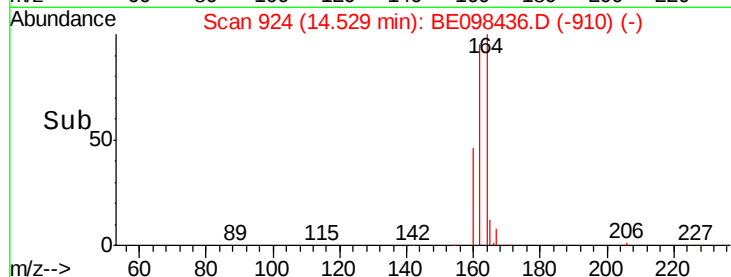
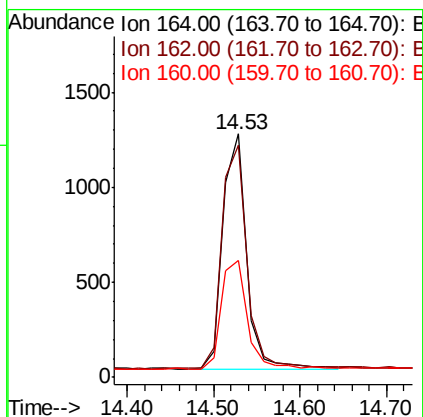
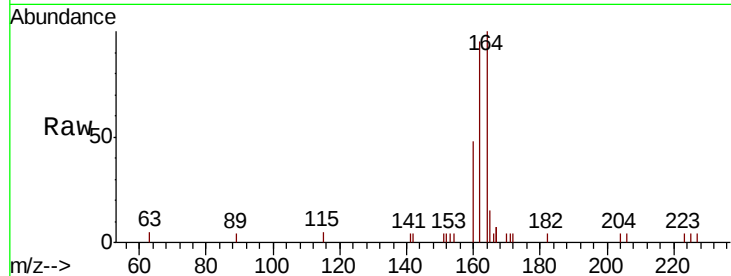




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098436.D
Acq: 14 Dec 2018 15:18

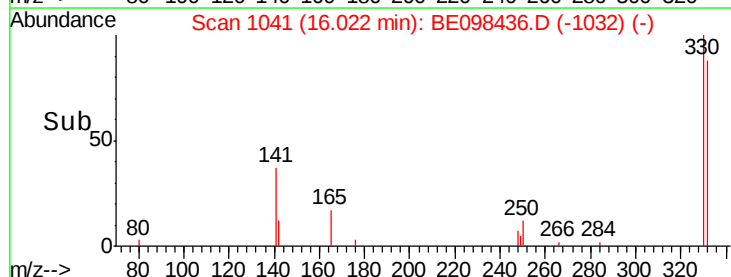
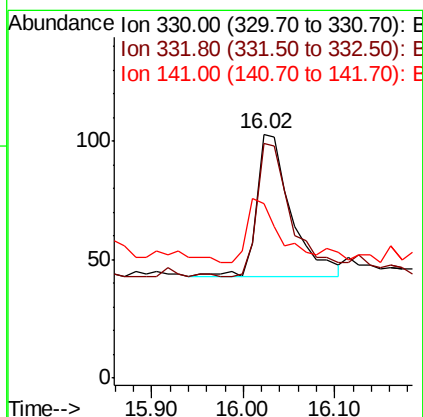
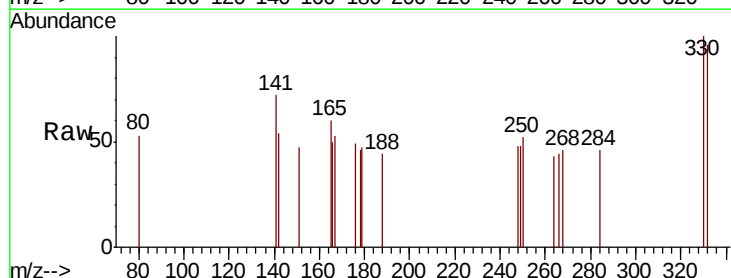
Instrument :
BNA_G
ClientSampleId :
PB115586BS

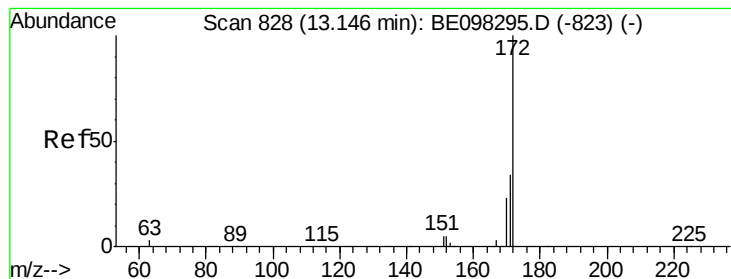
Tgt Ion:164 Resp: 2357
Ion Ratio Lower Upper
164 100
162 95.4 77.6 116.4
160 47.9 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.184 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098436.D
Acq: 14 Dec 2018 15:18

Tgt Ion:330 Resp: 159
Ion Ratio Lower Upper
330 100
332 95.0 76.2 114.4
141 41.5 39.0 58.4





#15

2-Fluorobiphenyl

Concen: 0.230 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

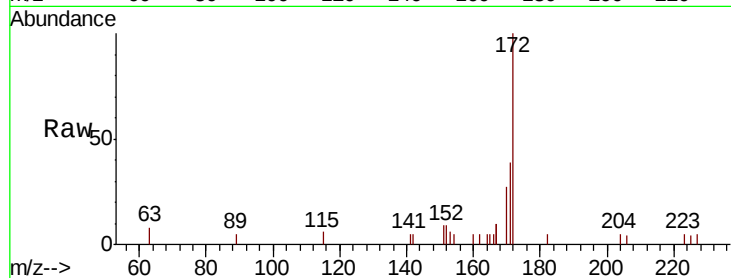
Tgt Ion:172 Resp: 2289

Ion Ratio Lower Upper

172 100

171 38.6 27.5 41.3

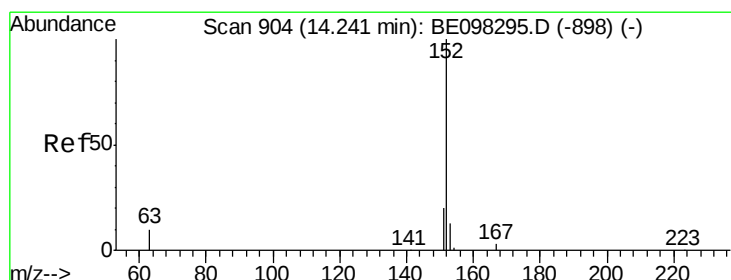
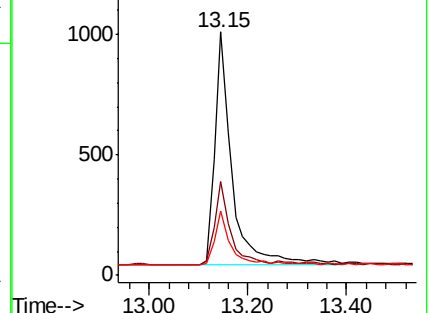
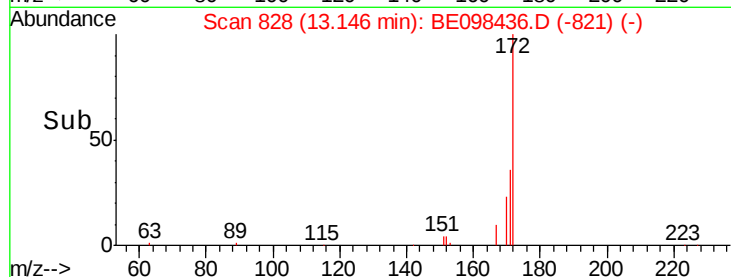
170 26.7 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.235 ng

RT: 14.24 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

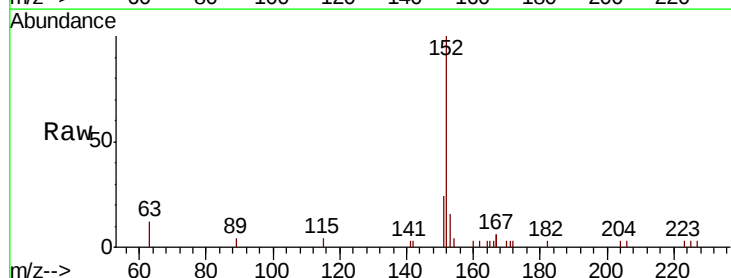
Tgt Ion:152 Resp: 2599

Ion Ratio Lower Upper

152 100

151 21.0 15.5 23.3

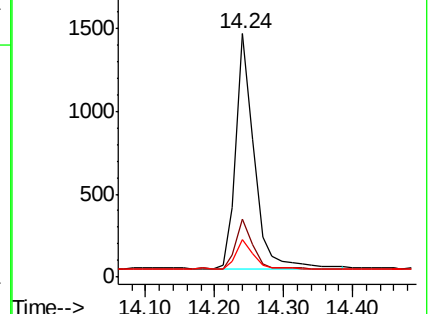
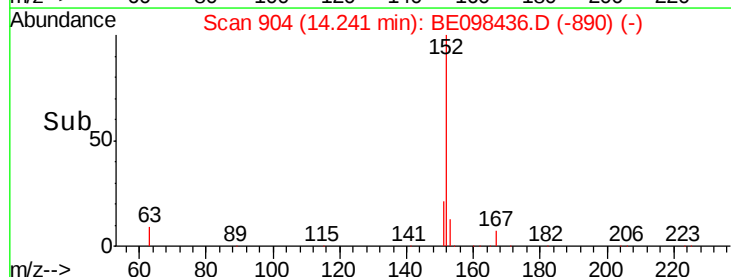
153 13.2 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

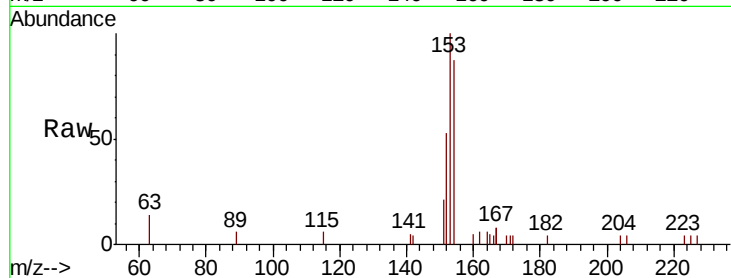




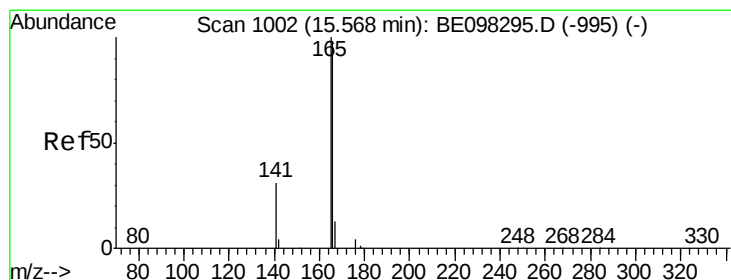
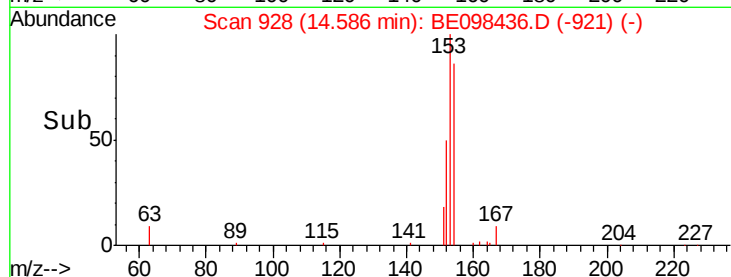
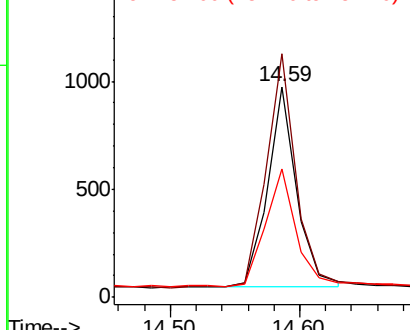
#17
Acenaphthene
Concen: 0.217 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098436.D
Acq: 14 Dec 2018 15:18

Instrument :
BNA_G
ClientSampleId :
PB115586BS

Tgt Ion:154 Resp: 1442
Ion Ratio Lower Upper
154 100
153 118.9 91.8 137.6
152 60.1 45.5 68.3

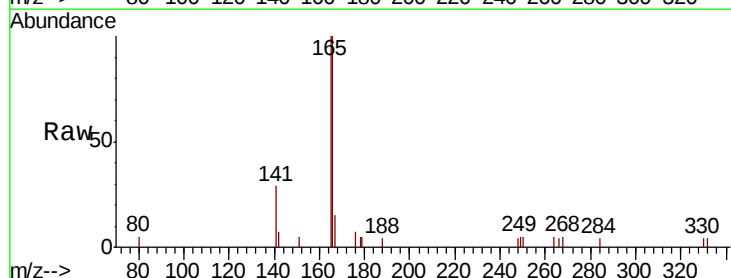


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

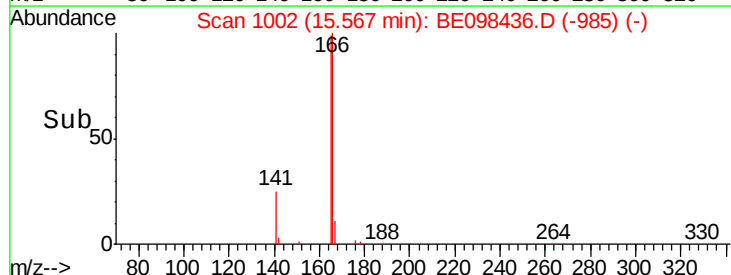
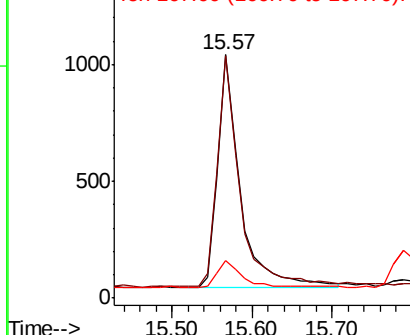


#18
Fluorene
Concen: 0.220 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098436.D
Acq: 14 Dec 2018 15:18

Tgt Ion:166 Resp: 1952
Ion Ratio Lower Upper
166 100
165 98.6 79.3 118.9
167 13.1 11.3 16.9



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: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

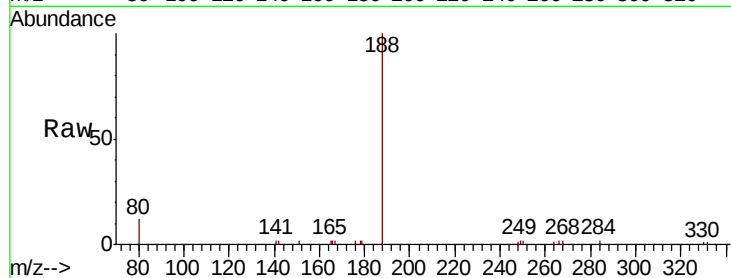
Tgt Ion:188 Resp: 6164

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

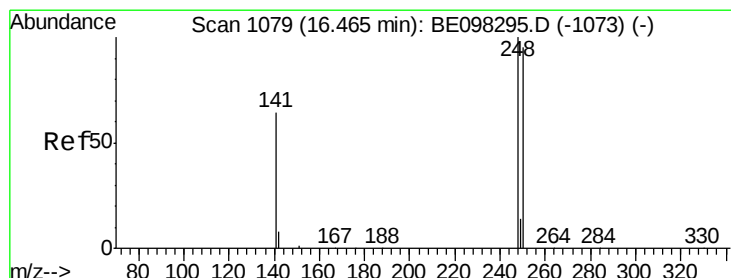
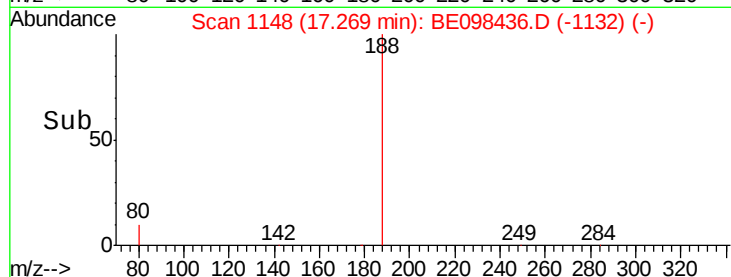
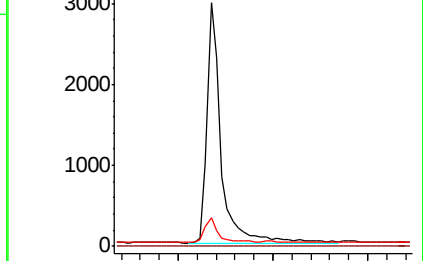
80 11.6 7.2 10.8#



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: 0.191 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

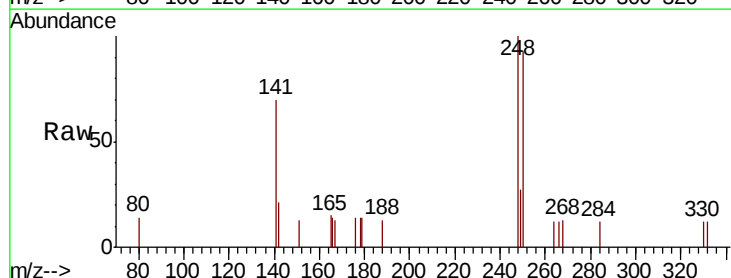
Tgt Ion:248 Resp: 634

Ion Ratio Lower Upper

248 100

250 93.1 71.0 106.6

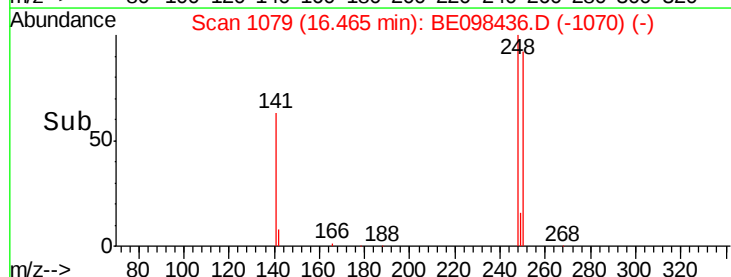
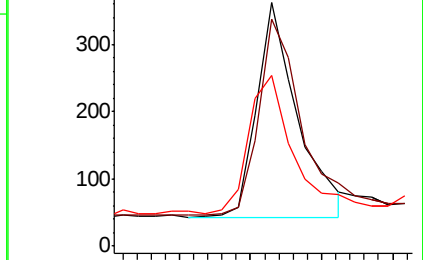
141 69.9 62.1 93.1



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: 0.211 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

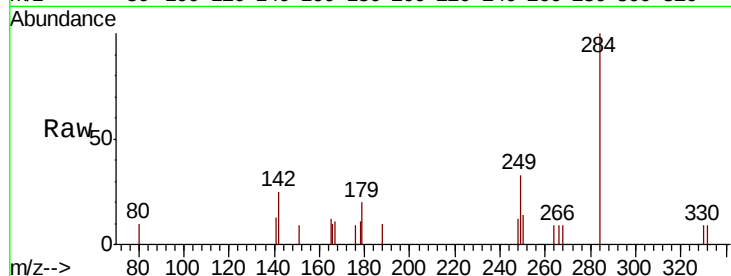
Tgt Ion:284 Resp: 752

Ion Ratio Lower Upper

284 100

142 37.2 26.3 39.5

249 34.6 26.0 39.0



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

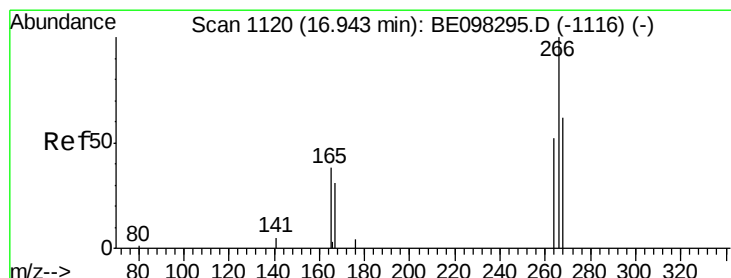
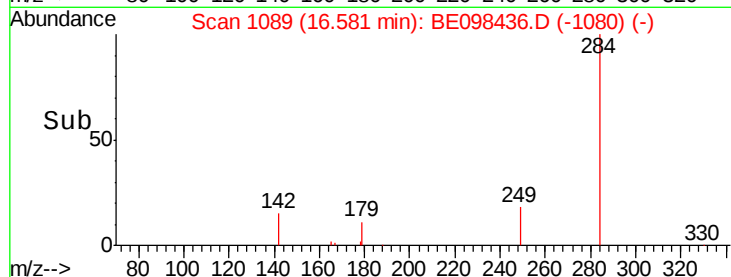
16.58

400

200

0

Time-->



#22

Pentachlorophenol

Concen: 0.146 ng

RT: 16.97 min Scan# 1122

Delta R.T. 0.02 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

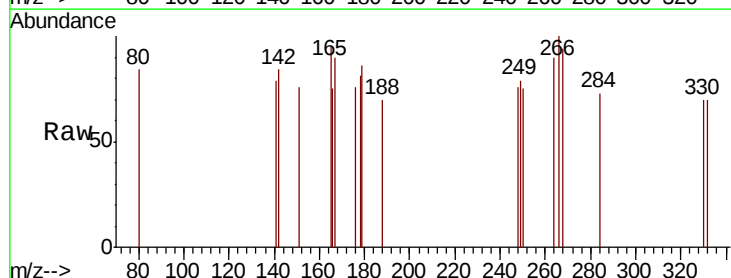
Tgt Ion:266 Resp: 72

Ion Ratio Lower Upper

266 100

264 90.5 59.0 88.4#

268 93.7 55.1 82.7#



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

16.97

80

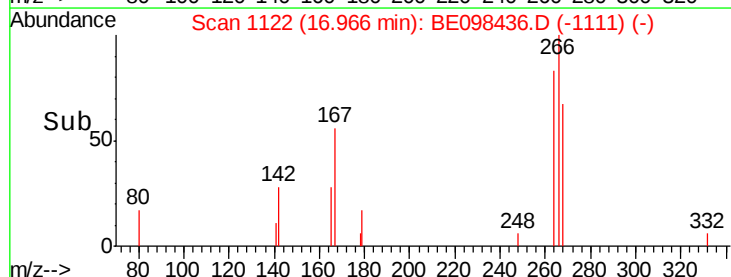
60

40

20

0

Time-->





#23

Phenanthrene

Concen: 0.233 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

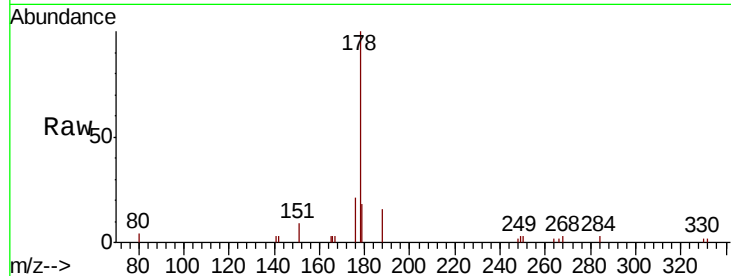
Tgt Ion:178 Resp: 3496

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

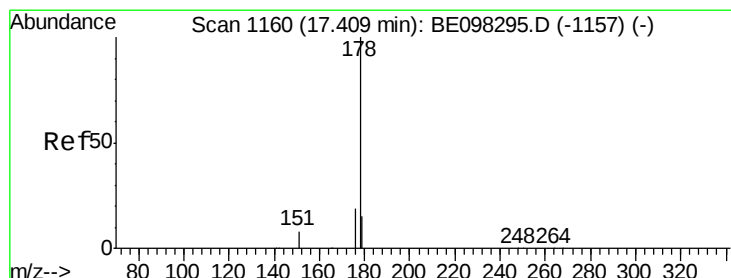
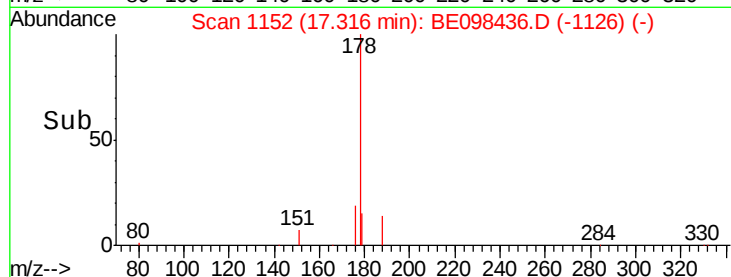
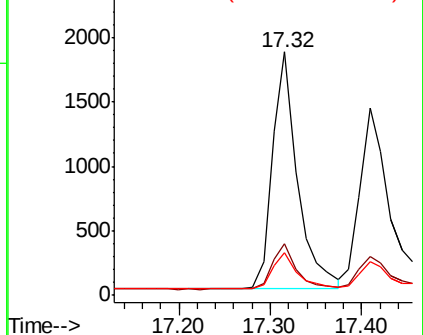
179 15.2 12.3 18.5



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: 0.212 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

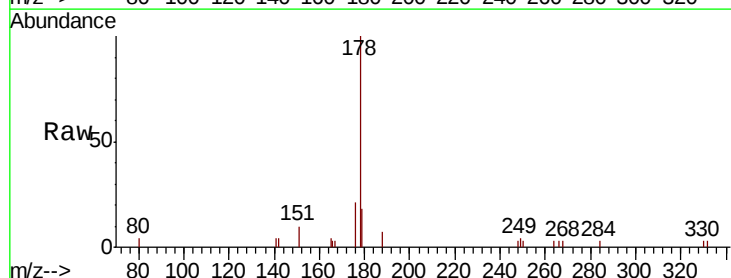
Tgt Ion:178 Resp: 2829

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

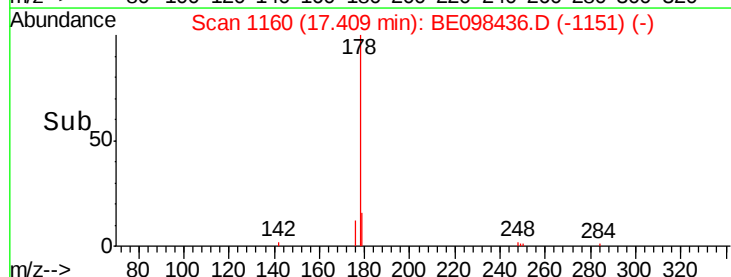
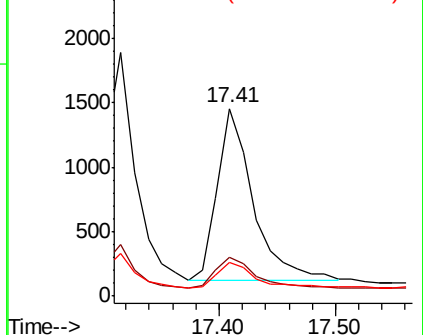
179 15.1 12.3 18.5



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

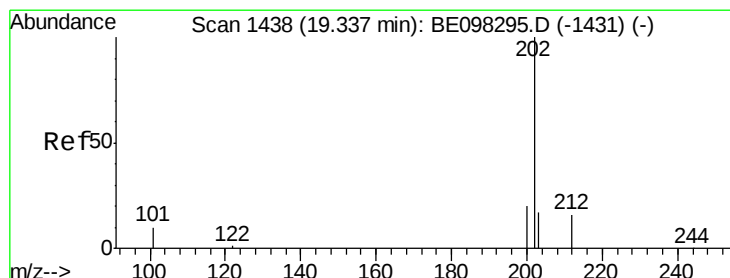
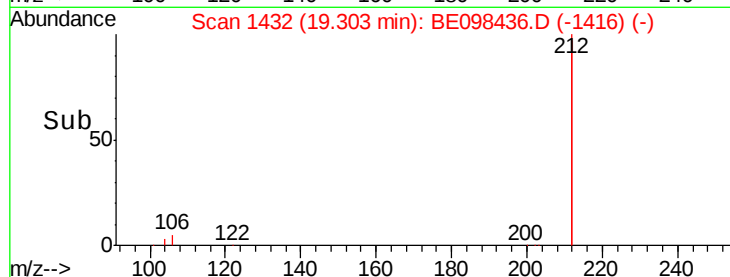
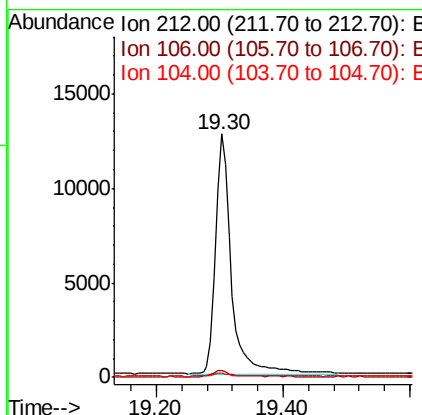
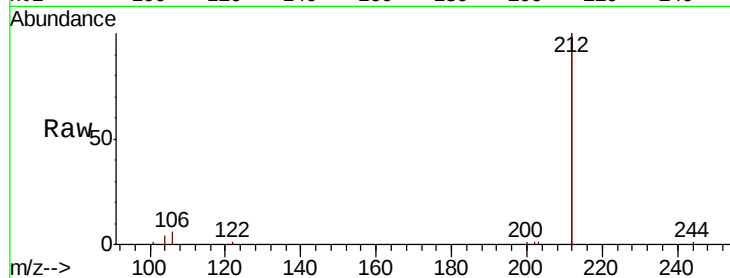




#25
 Fluoranthene-d10
 Concen: 0.275 ng
 RT: 19.30 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE098436.D
 Acq: 14 Dec 2018 15:18

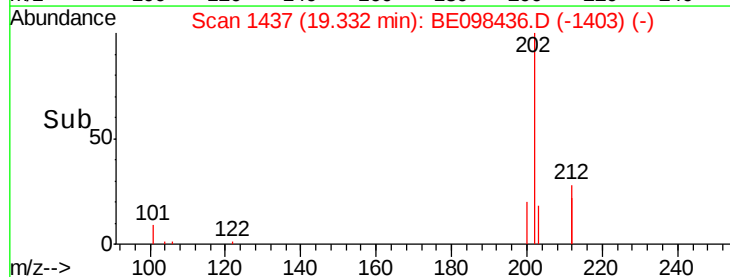
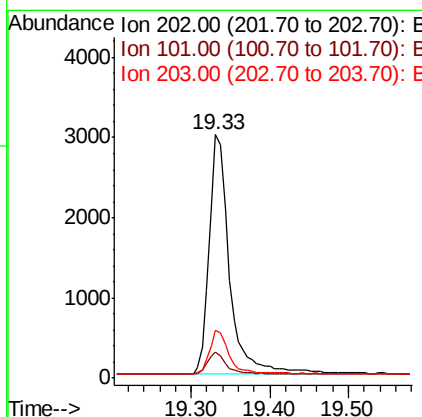
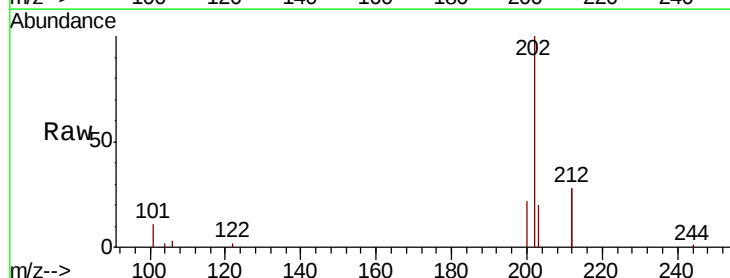
Instrument :
 BNA_G
 ClientSampleId :
 PB115586BS

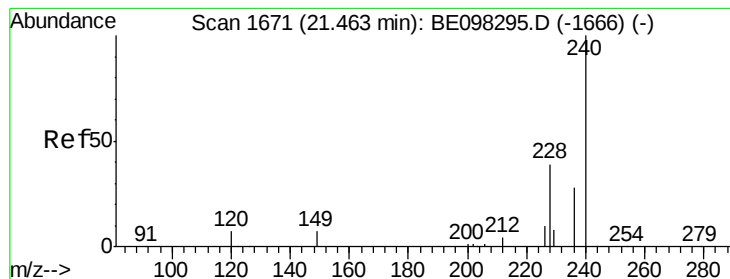
Tgt Ion: 212 Resp: 21779
 Ion Ratio Lower Upper
 212 100
 106 2.5 2.2 3.2
 104 1.4 1.3 1.9



#26
 Fluoranthene
 Concen: 0.269 ng
 RT: 19.33 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BE098436.D
 Acq: 14 Dec 2018 15:18

Tgt Ion: 202 Resp: 5334
 Ion Ratio Lower Upper
 202 100
 101 9.3 8.0 12.0
 203 17.4 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

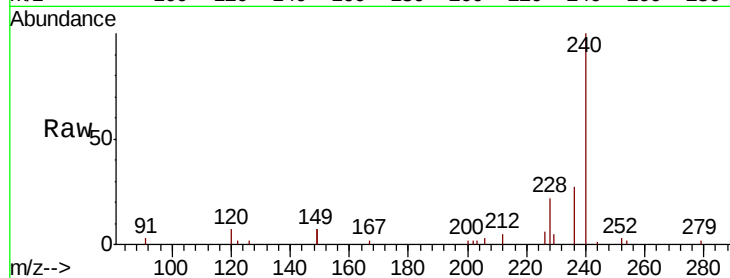
Tgt Ion:240 Resp: 8354

Ion Ratio Lower Upper

240 100

120 7.0 9.5 14.3#

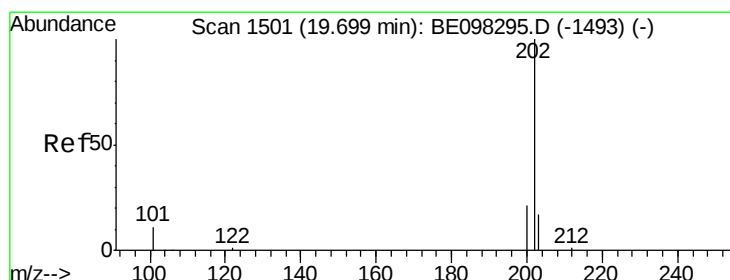
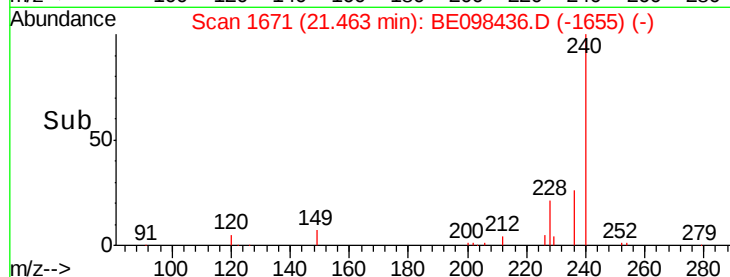
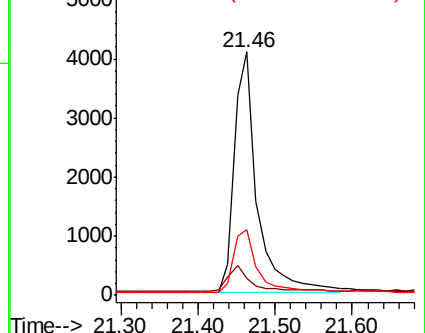
236 27.2 22.7 34.1



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: 0.197 ng

RT: 19.69 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

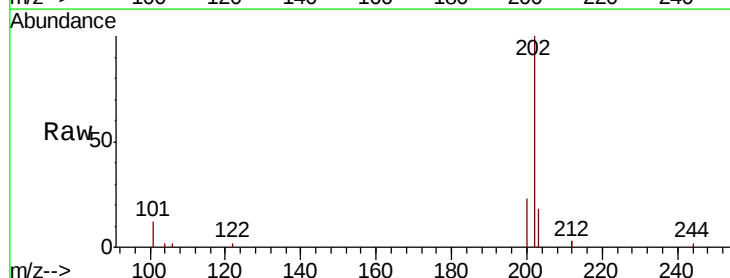
Tgt Ion:202 Resp: 5167

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

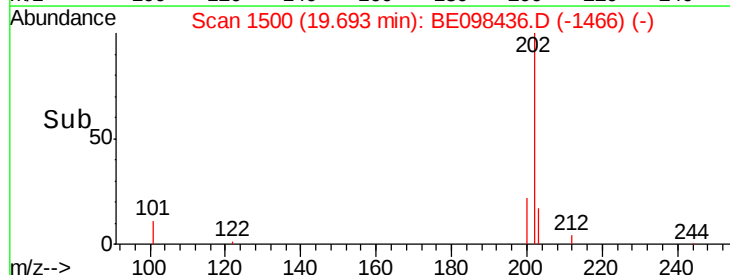
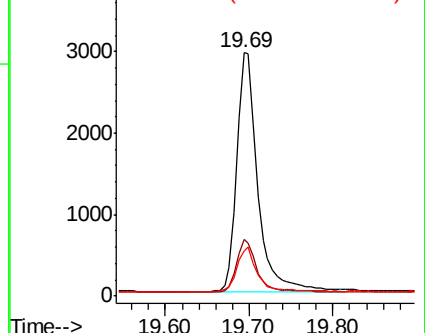
203 17.9 14.1 21.1



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: 0.186 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

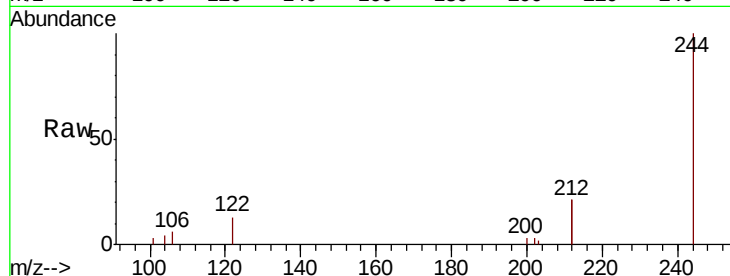
Tgt Ion:244 Resp: 3785

Ion Ratio Lower Upper

244 100

212 42.6 27.4 41.0#

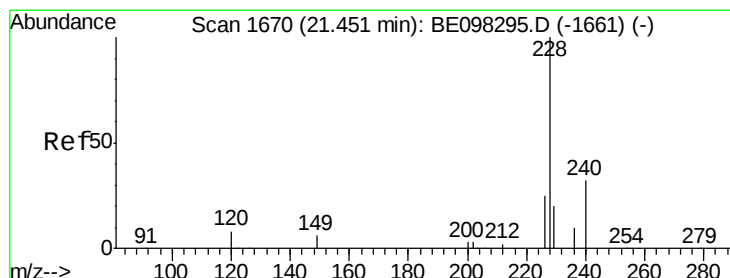
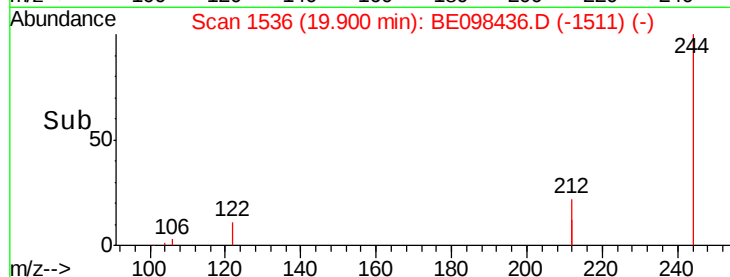
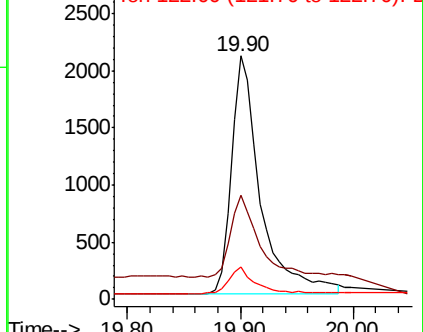
122 13.2 8.3 12.5#



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: 0.230 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

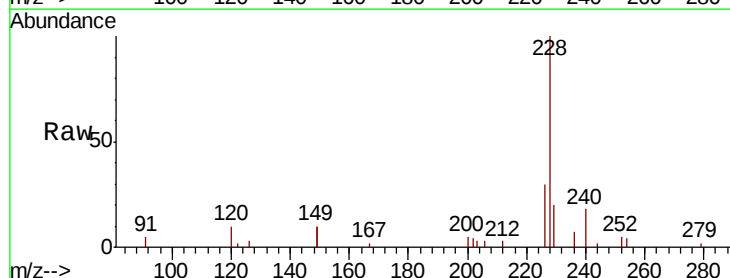
Tgt Ion:228 Resp: 5476

Ion Ratio Lower Upper

228 100

226 29.5 21.8 32.8

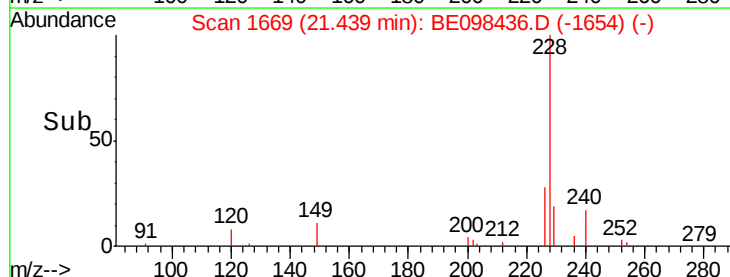
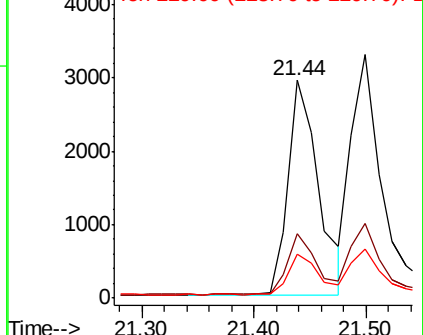
229 20.5 16.3 24.5



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: 0.232 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

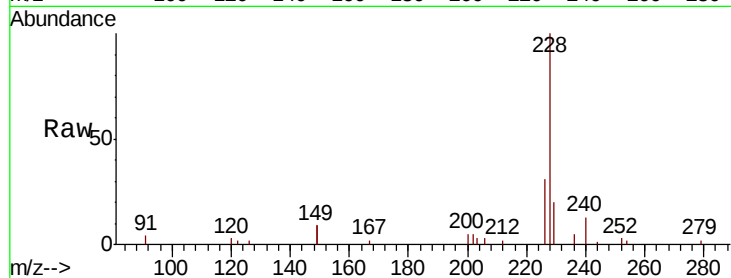
Tgt Ion:228 Resp: 5786

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

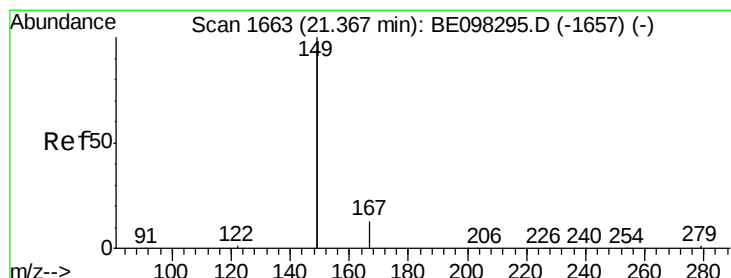
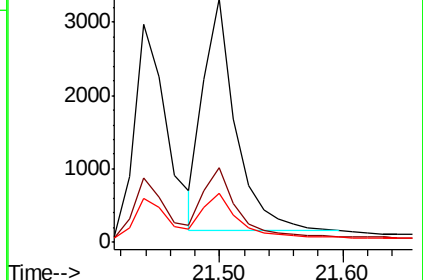
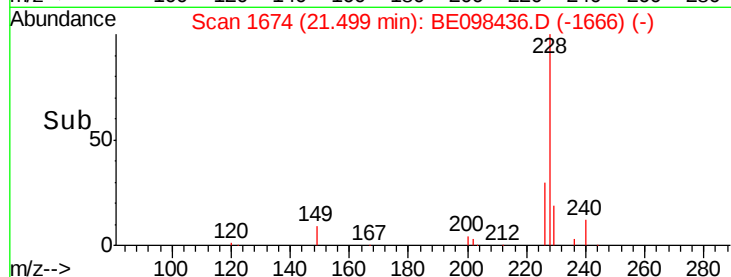
229 20.4 16.2 24.4



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: 0.205 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

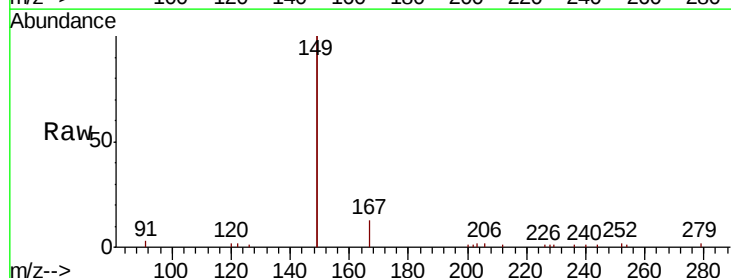
Tgt Ion:149 Resp: 9895

Ion Ratio Lower Upper

149 100

167 6.7 5.7 8.5

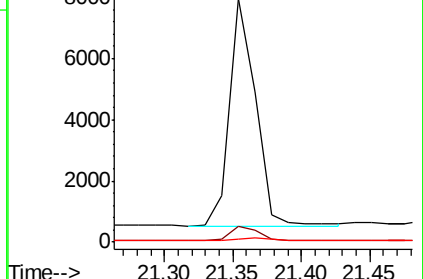
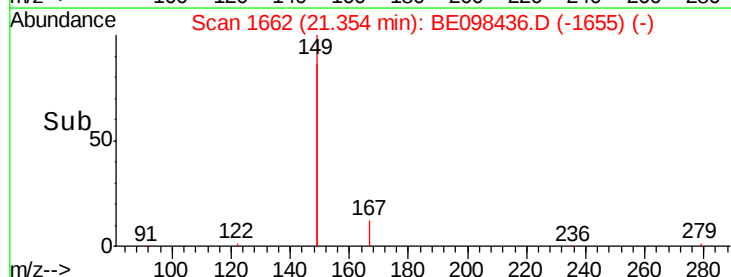
279 1.2 1.0 1.4



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

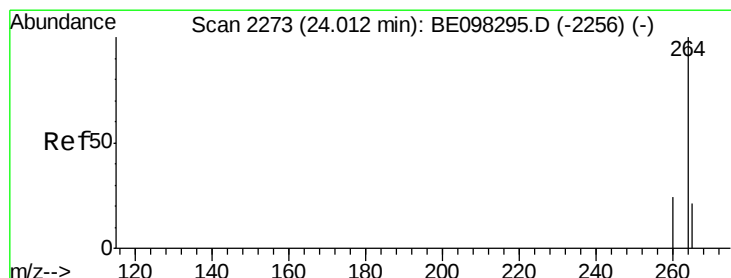
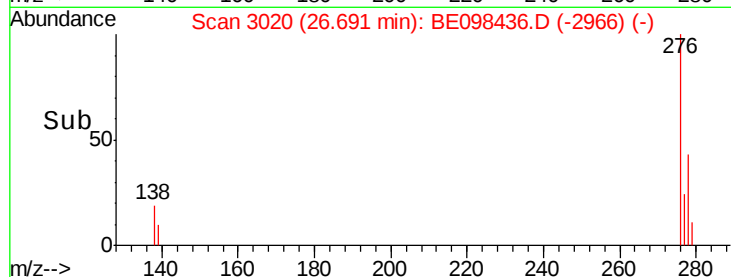
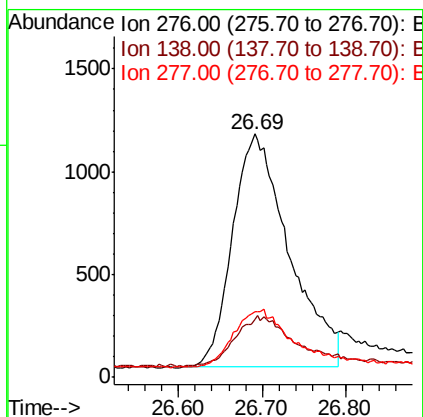
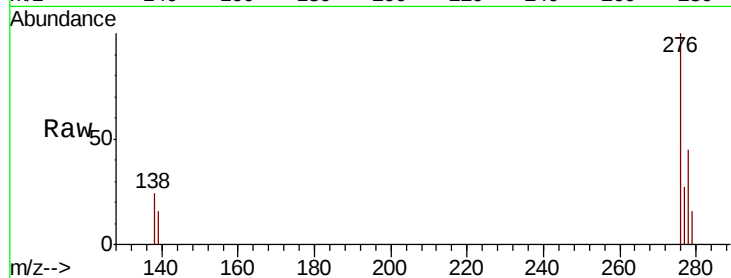




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.215 ng
 RT: 26.69 min Scan# 3020
 Delta R.T. -0.01 min
 Lab File: BE098436.D
 Acq: 14 Dec 2018 15:18

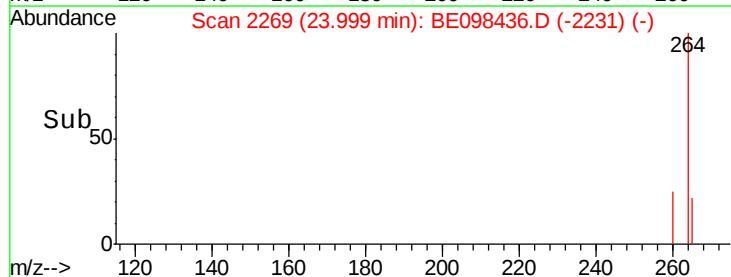
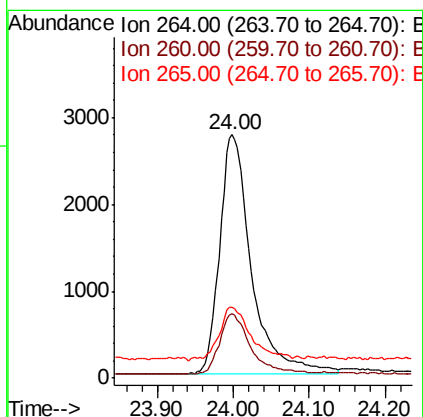
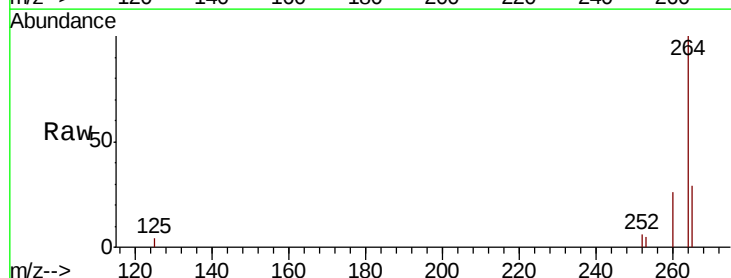
Instrument :
 BNA_G
 ClientSampleId :
 PB115586BS

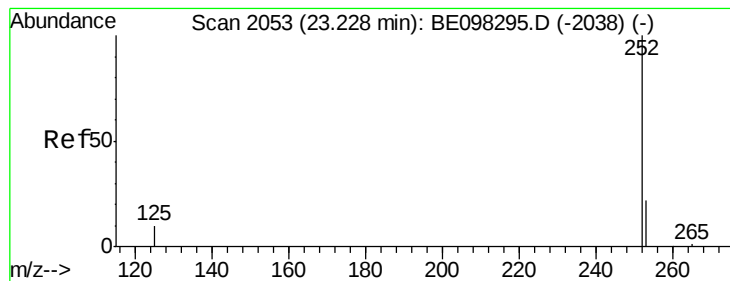
Tgt Ion:276 Resp: 5338
 Ion Ratio Lower Upper
 276 100
 138 23.6 16.3 24.5
 277 24.8 20.2 30.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.00 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BE098436.D
 Acq: 14 Dec 2018 15:18

Tgt Ion:264 Resp: 7969
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.2 30.2
 265 29.1 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.285 ng

RT: 23.27 min Scan# 2065

Delta R.T. 0.04 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

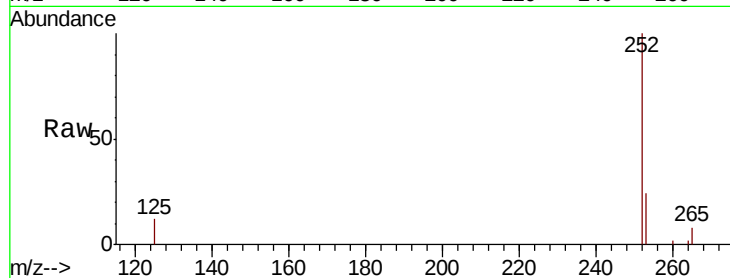
Tgt Ion:252 Resp: 6216

Ion Ratio Lower Upper

252 100

253 24.3 20.0 30.0

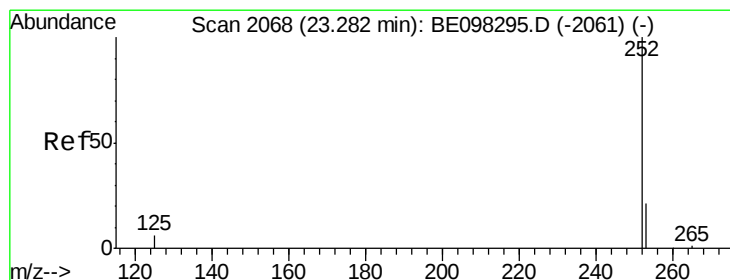
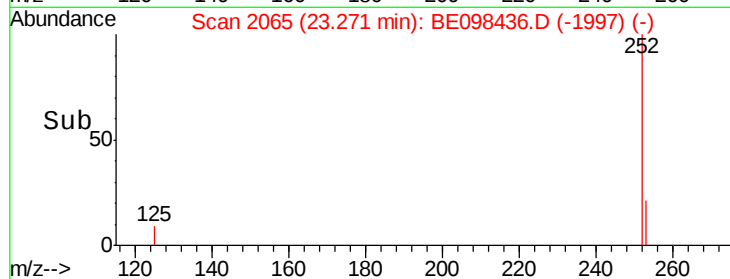
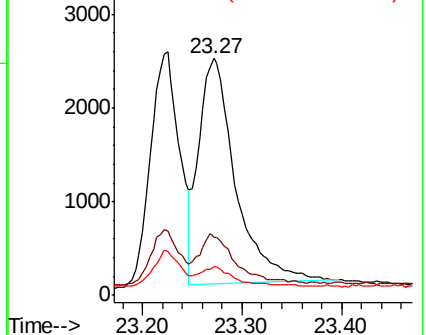
125 12.3 9.6 14.4



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: 0.256 ng

RT: 23.27 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

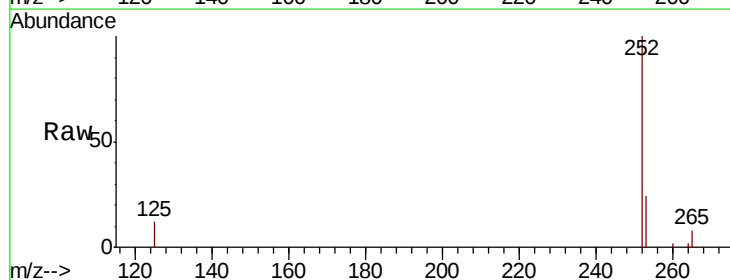
Tgt Ion:252 Resp: 6491

Ion Ratio Lower Upper

252 100

253 24.3 19.0 28.6

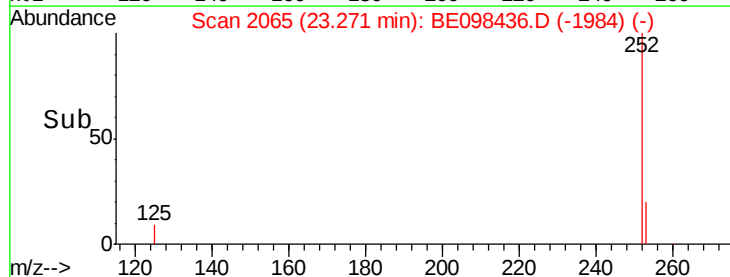
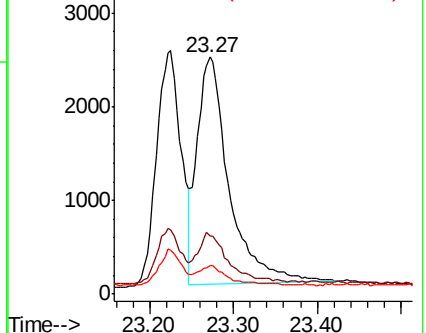
125 12.3 9.1 13.7



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: 0.237 ng

RT: 23.89 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS

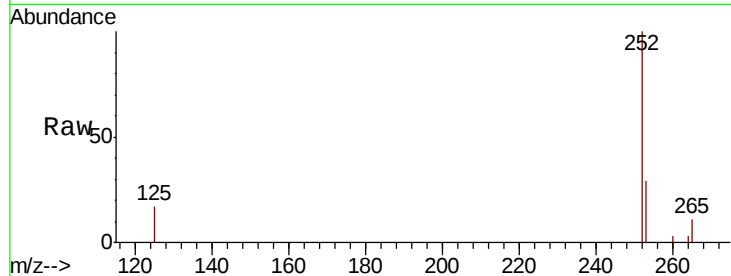
Tgt Ion:252 Resp: 5340

Ion Ratio Lower Upper

252 100

253 28.6 20.6 30.8

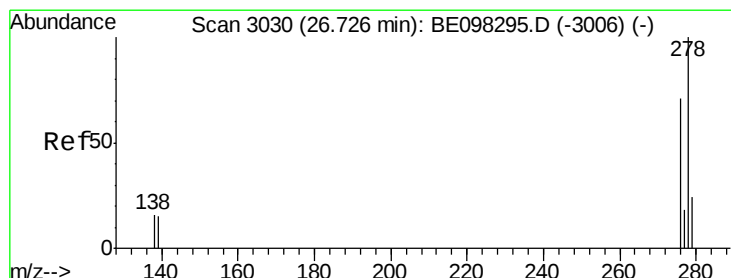
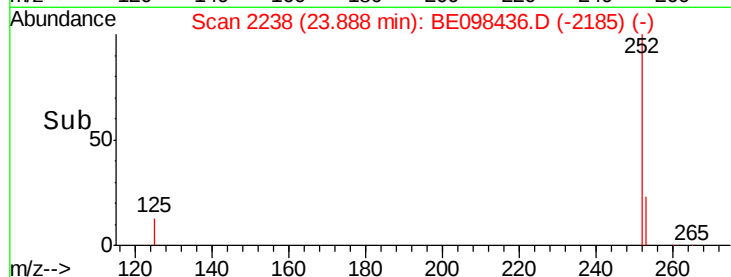
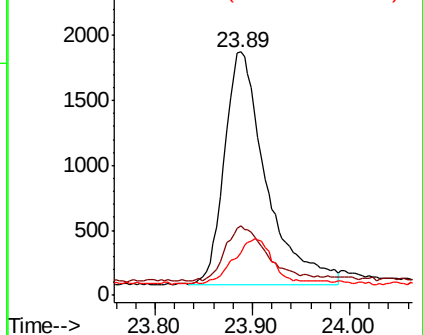
125 17.5 10.5 15.7#



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: 0.212 ng

RT: 26.72 min Scan# 3029

Delta R.T. -0.00 min

Lab File: BE098436.D

Acq: 14 Dec 2018 15:18

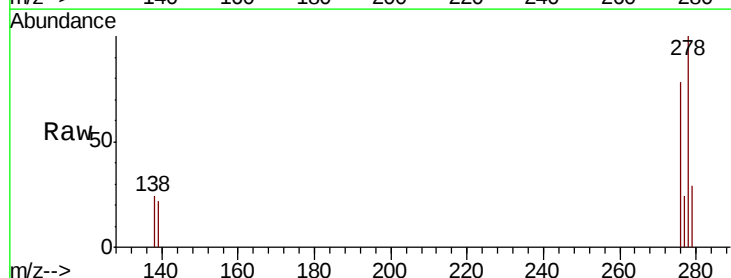
Tgt Ion:278 Resp: 4487

Ion Ratio Lower Upper

278 100

139 22.1 14.5 21.7#

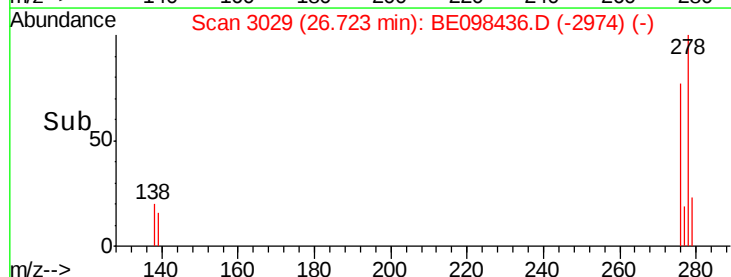
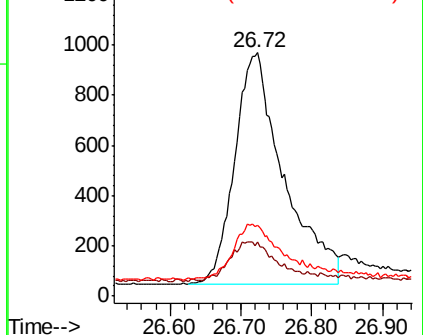
279 29.0 21.8 32.8



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(g,h,i)perylene

Concen: 0.236 ng

RT: 27.51 min Scan# 3251

Delta R.T. -0.01 min

Lab File: BE098436.D

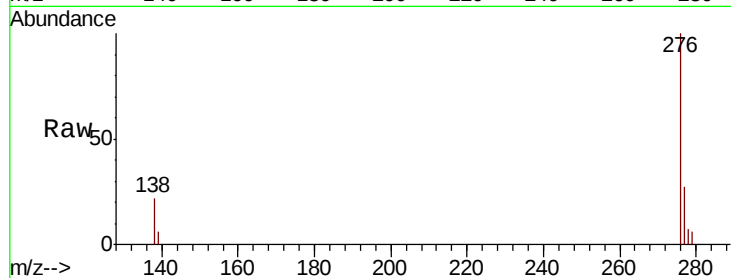
Acq: 14 Dec 2018 15:18

Instrument :

BNA_G

ClientSampleId :

PB115586BS



Tgt Ion: 276 Resp: 5035

Ion Ratio Lower Upper

276 100

277 27.1 20.8 31.2

138 22.1 15.8 23.6

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

