

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121118\
 Data File : BE098337.D
 Acq On : 11 Dec 2018 17:43
 Operator : SJ/JU
 Sample : J6259-08MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 12 17:36:52 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	1383	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5592	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3375	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	8582	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	10588	0.40	ng	0.00
34) Perylene-d12	24.01	264	10112	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	600	0.19	ng	0.01
5) Phenol-d6	7.05	99	501	0.11	ng	0.00
8) Nitrobenzene-d5	9.03	82	2196	0.43	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	4896	0.54	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	559	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7391	0.52	ng	0.00
25) Fluoranthene-d10	19.31	212	49768	0.45	ng	0.00
29) Terphenyl-d14	19.90	244	12250	0.48	ng	0.00

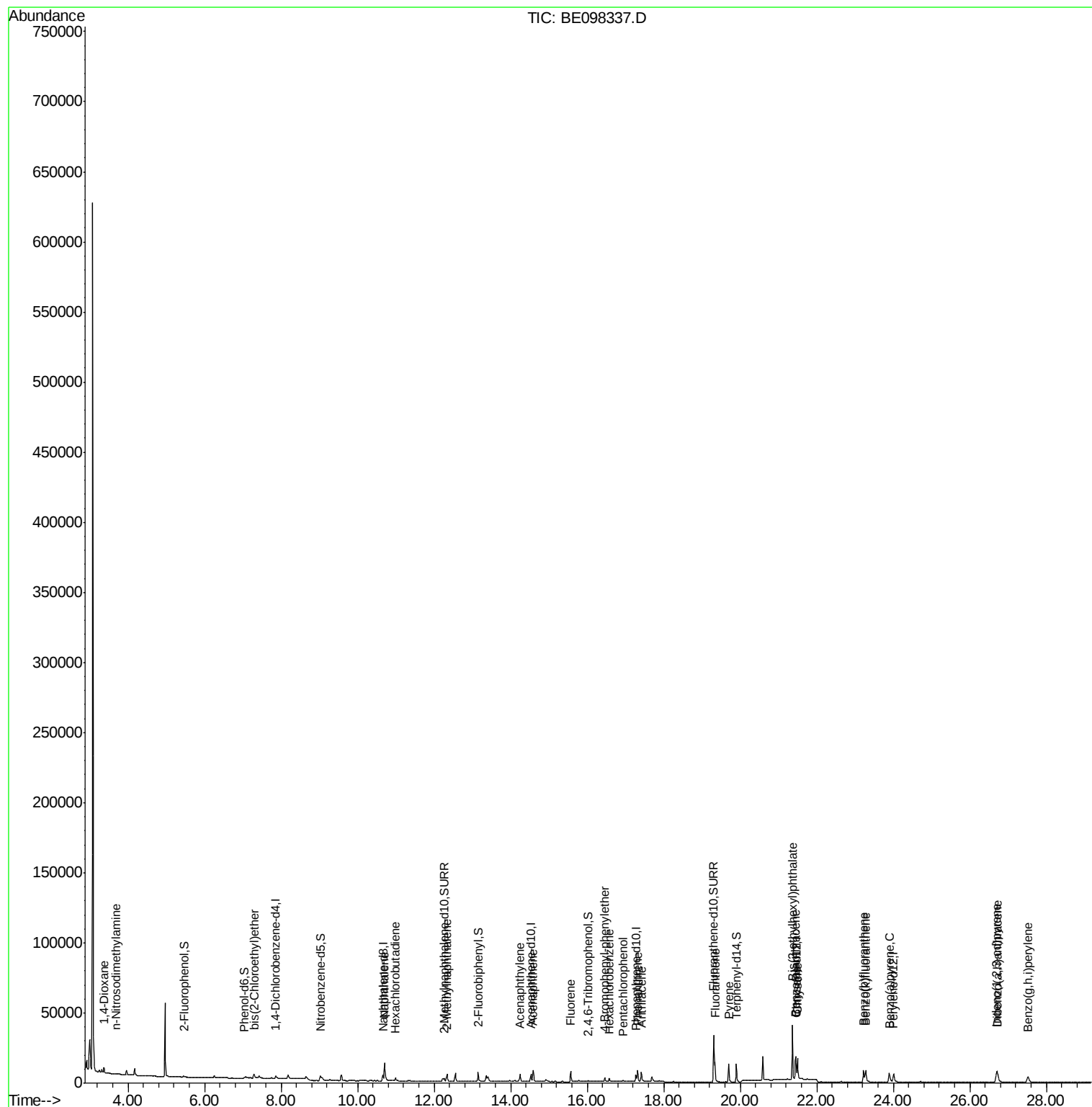
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	2165	0.905	ng	# 90
3) n-Nitrosodimethylamine	3.69	42	244	0.113	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1517	0.348	ng	88
9) Naphthalene	10.71	128	24450	0.434	ng	100
10) Hexachlorobutadiene	10.99	225	1323	0.369	ng	98
12) 2-Methylnaphthalene	12.34	142	4197	0.459	ng	96
16) Acenaphthylene	14.24	152	6788	0.429	ng	100
17) Acenaphthene	14.59	154	3869	0.407	ng	99
18) Fluorene	15.57	166	5441	0.428	ng	98
20) 4-Bromophenyl-phenylether	16.47	248	1867	0.404	ng	# 81
21) Hexachlorobenzene	16.58	284	1954	0.393	ng	94
22) Pentachlorophenol	16.93	266	689	0.765	ng	94
23) Phenanthrene	17.32	178	9269	0.444	ng	99
24) Anthracene	17.41	178	8269	0.445	ng	99
26) Fluoranthene	19.34	202	12816	0.464	ng	100
28) Pyrene	19.70	202	13184	0.397	ng	99
30) Benzo(a)anthracene	21.44	228	13868	0.460	ng	98
31) Chrysene	21.50	228	13706	0.434	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	42554	0.695	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	14027	0.446	ng	98
35) Benzo(b)fluoranthene	23.22	252	12451	0.450	ng	99
36) Benzo(k)fluoranthene	23.28	252	14711	0.457	ng	98
37) Benzo(a)pyrene	23.89	252	12825	0.449	ng	98
38) Dibenzo(a,h)anthracene	26.72	278	11750	0.437	ng	96
39) Benzo(g,h,i)perylene	27.52	276	12035	0.444	ng	98

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

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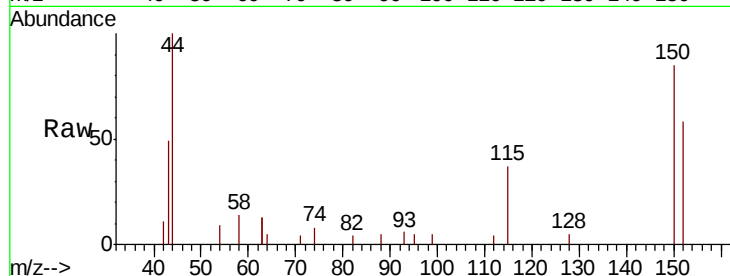


#1

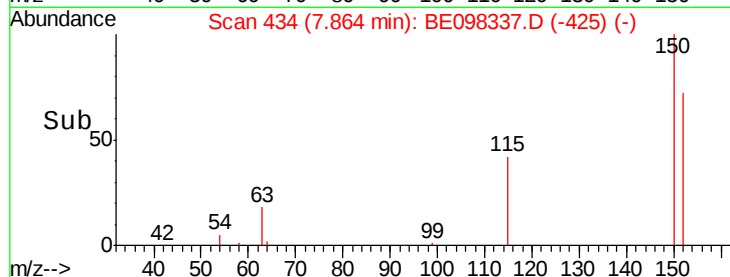
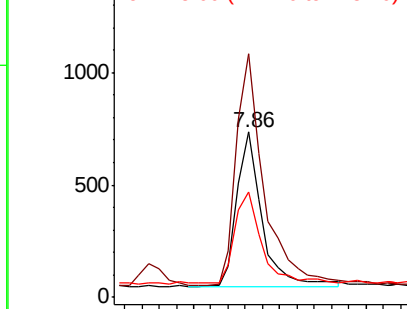
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1383
Ion Ratio Lower Upper
152 100
150 147.3 124.2 186.4
115 63.7 53.9 80.9



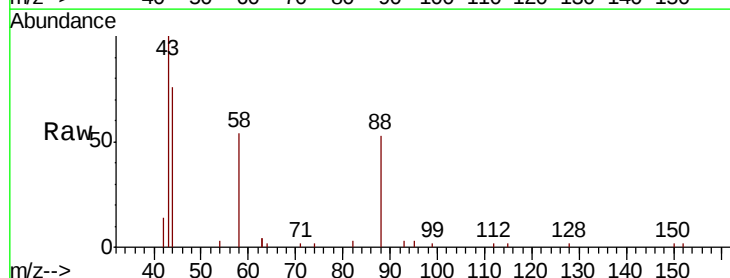
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



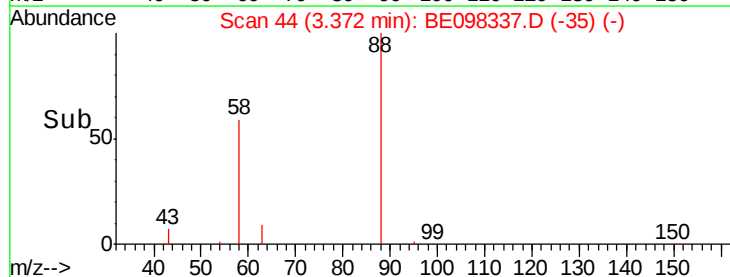
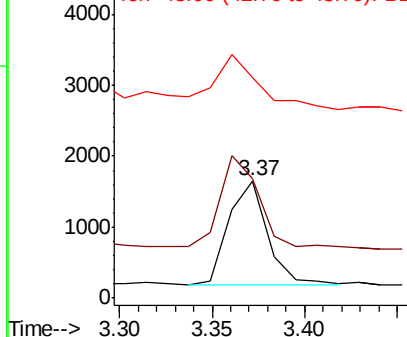
#2

1,4-Dioxane
Concen: 0.905 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

Tgt Ion: 88 Resp: 2165
Ion Ratio Lower Upper
88 100
58 87.6 75.0 112.6
43 59.3 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



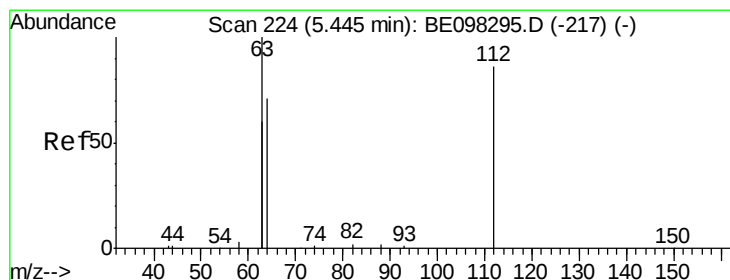
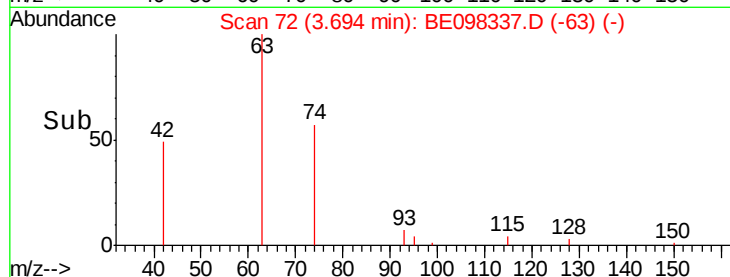
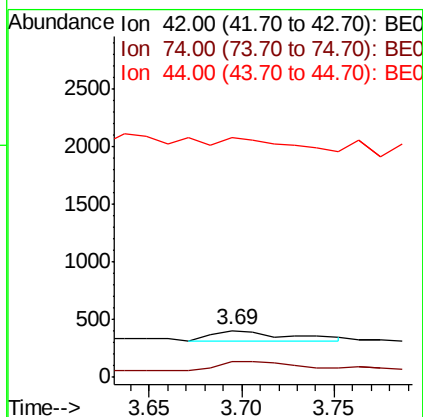
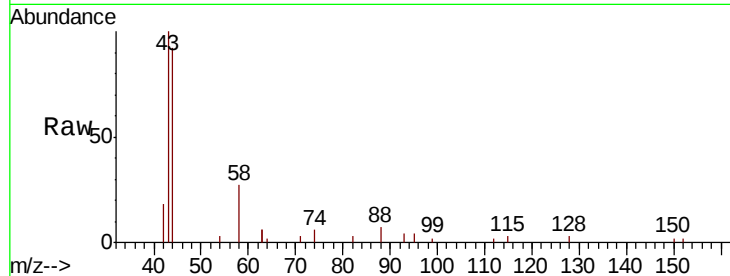


#3

n-Nitrosodimethylamine
Concen: 0.113 ng
RT: 3.69 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

Instrument :
BNA_E
ClientSampled :

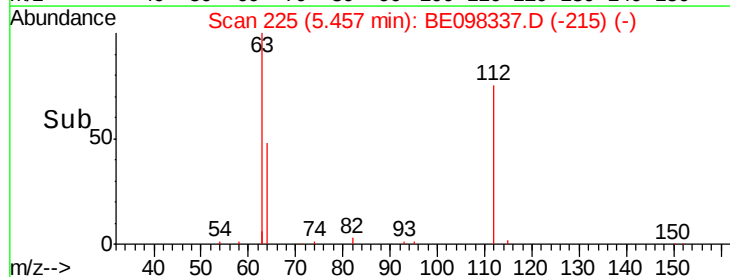
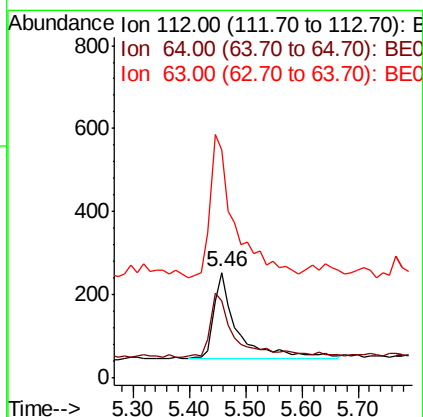
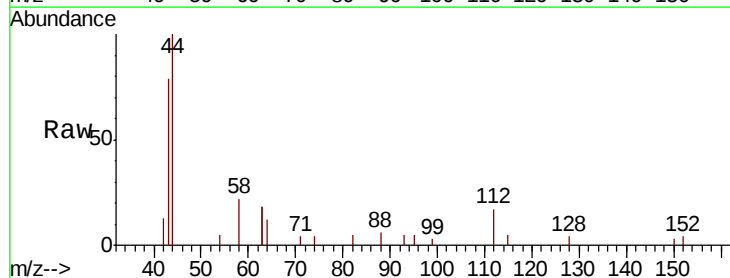
Tot Ion: 42 Resp: 244
Ion Ratio Lower Upper
42 100
74 97.5 0.0 0.0#
44 0.0 0.0 0.0



#4

2-Fluorophenol
Concen: 0.185 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

Tgt Ion: 112 Resp: 600
Ion Ratio Lower Upper
112 100
64 72.0 59.8 89.8
63 172.3 133.7 200.5





#5

Phenol-d6

Concen: 0.109 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampled :

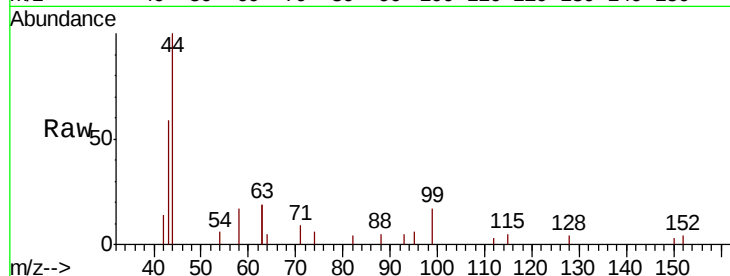
Tot Ion: 99 Resp: 501

Ion Ratio Lower Upper

99 100

42 51.5 26.3 39.5#

71 49.7 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

250

200

150

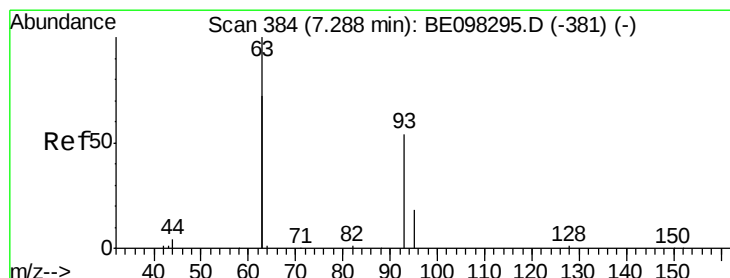
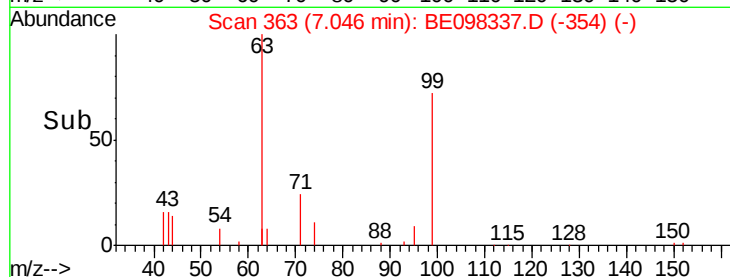
100

50

0

7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.348 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

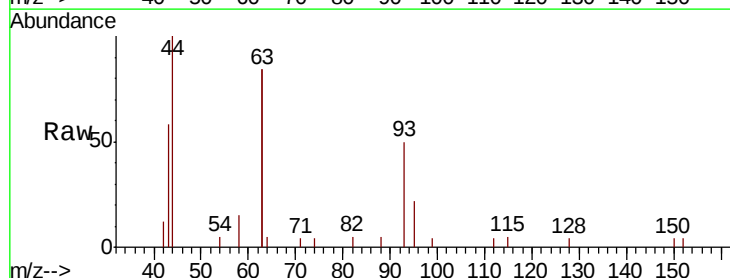
Tgt Ion: 93 Resp: 1517

Ion Ratio Lower Upper

93 100

63 356.0 264.4 396.6

95 38.6 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

3000

2500

2000

1500

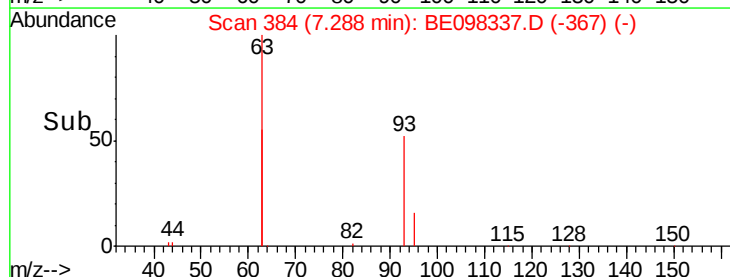
1000

500

0

7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5592

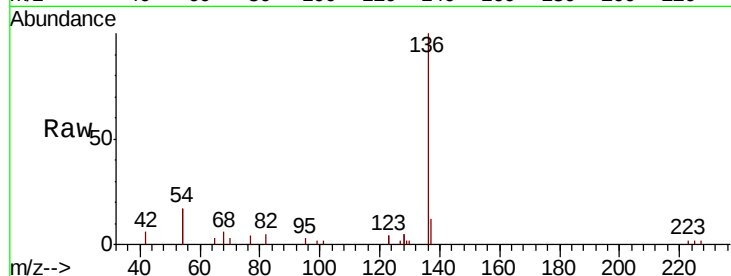
Ion Ratio Lower Upper

136 100

137 12.3 9.2 13.8

54 33.1 28.4 42.6

68 5.8 5.4 8.0

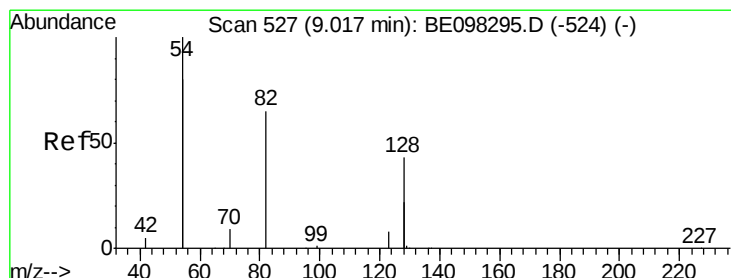
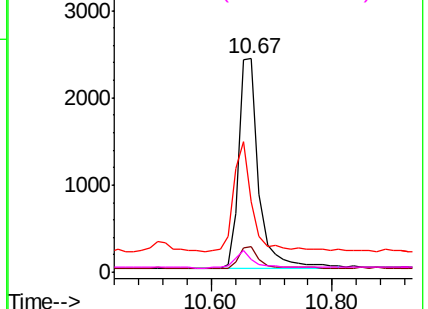
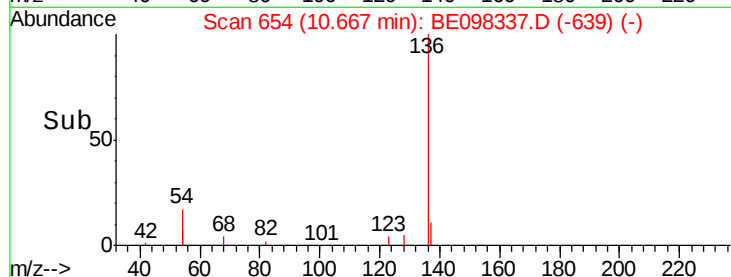


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.431 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

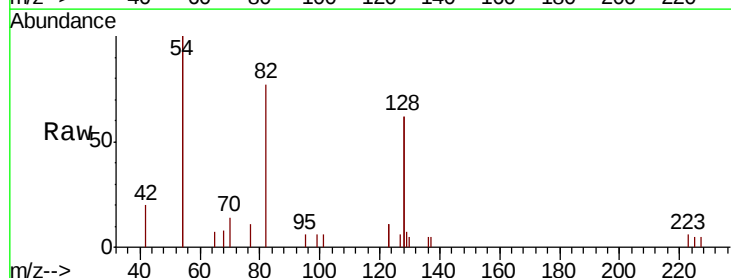
Tgt Ion: 82 Resp: 2196

Ion Ratio Lower Upper

82 100

128 162.7 102.4 153.6#

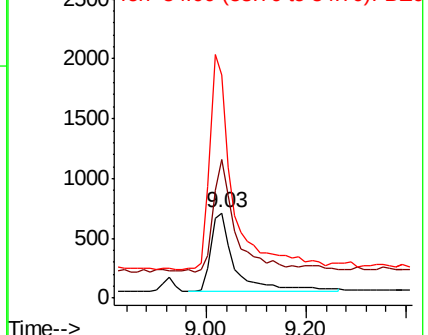
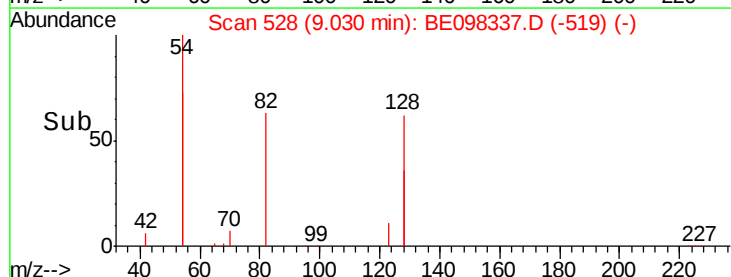
54 261.4 221.8 332.8

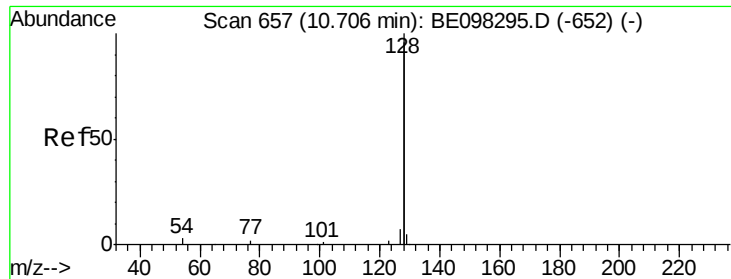


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.434 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :

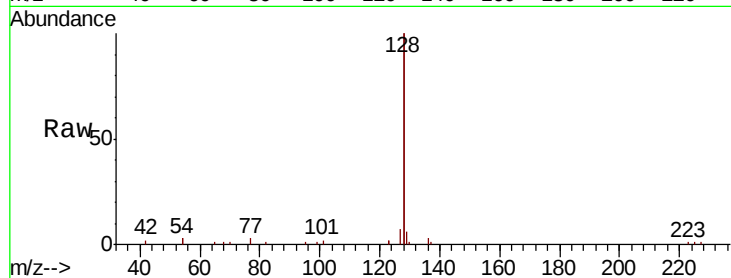
Tot Ion:128 Resp: 24450

Ion Ratio Lower Upper

128 100

129 3.0 2.5 3.7

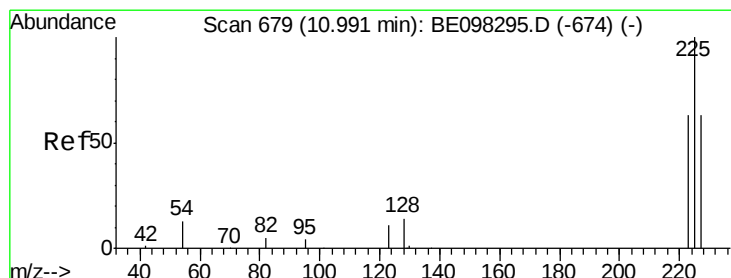
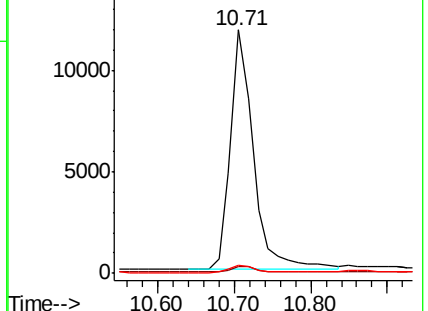
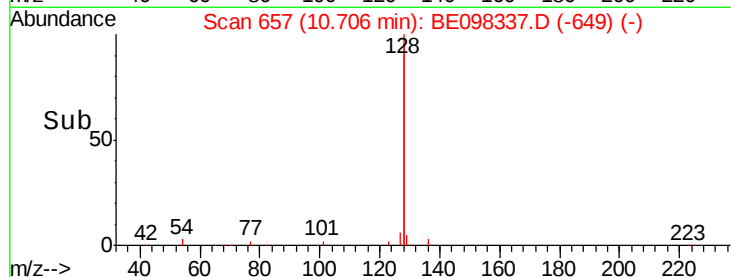
127 3.4 2.7 4.1



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: 0.369 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

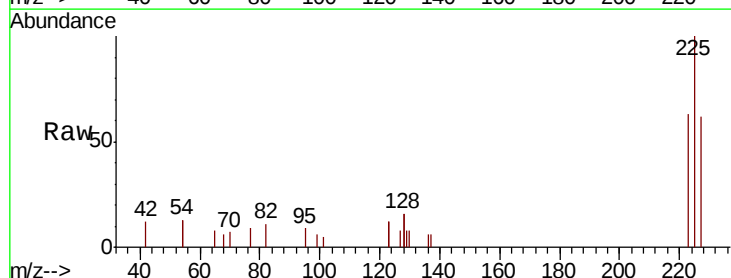
Tgt Ion:225 Resp: 1323

Ion Ratio Lower Upper

225 100

223 62.8 49.4 74.0

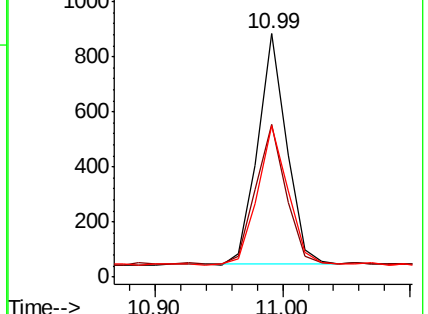
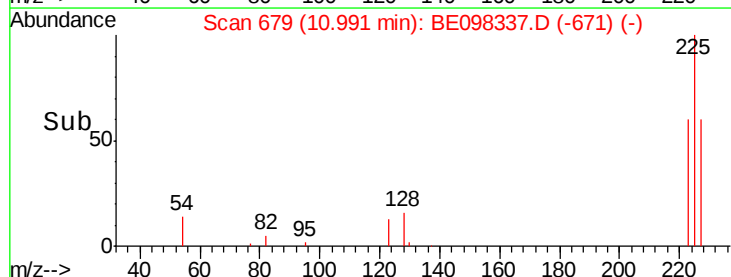
227 63.0 52.0 78.0



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: 0.538 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

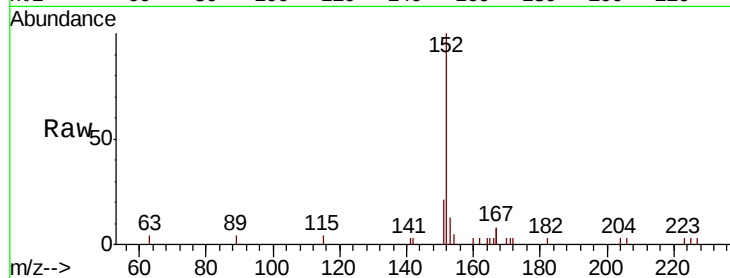
ClientSampleId :

Tot Ion:152 Resp: 4896

Ion Ratio Lower Upper

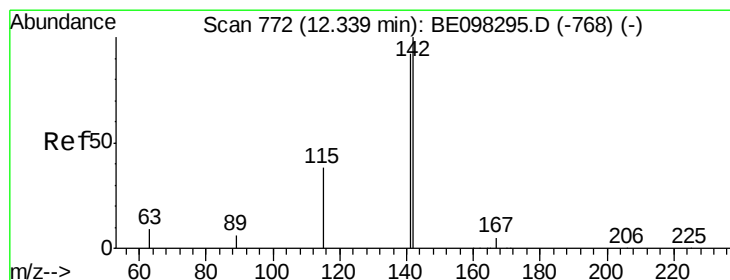
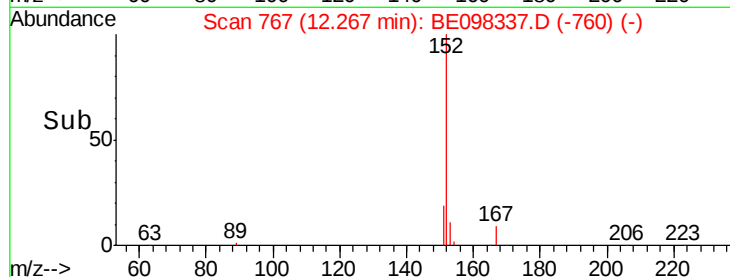
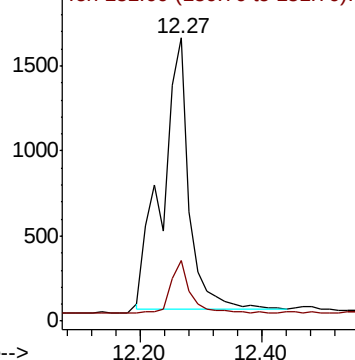
152 100

151 14.4 16.2 24.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.459 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

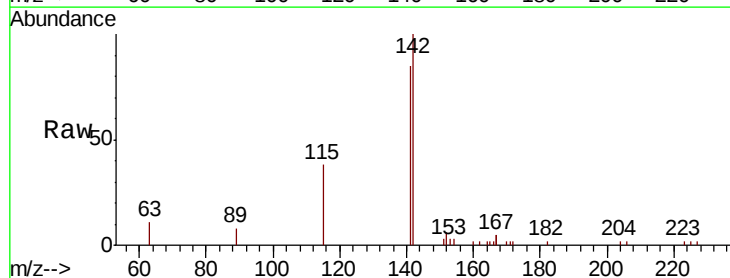
Tgt Ion:142 Resp: 4197

Ion Ratio Lower Upper

142 100

141 84.8 71.0 106.6

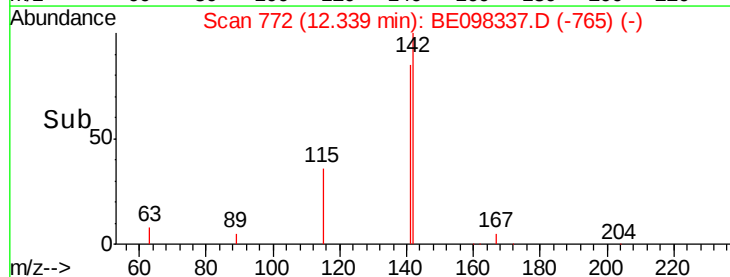
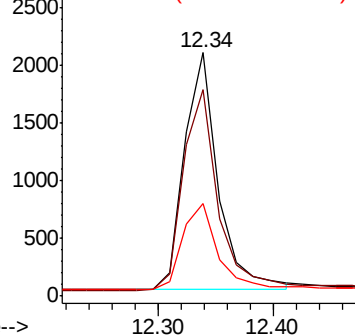
115 37.9 32.2 48.2



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

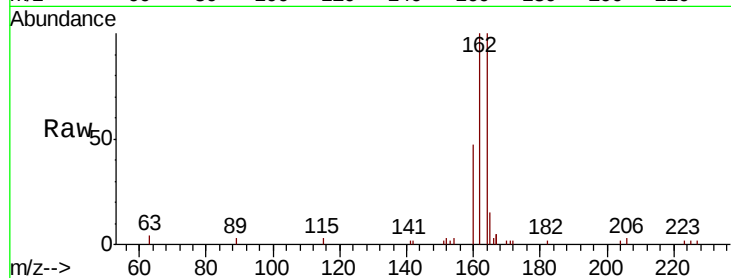




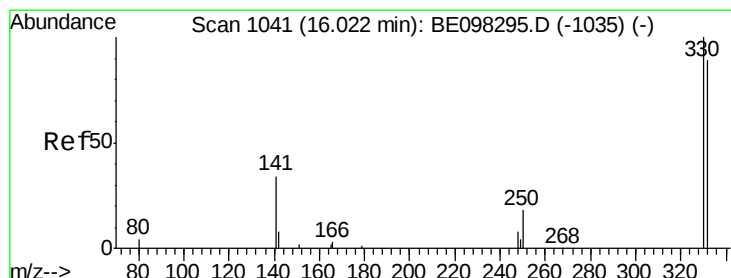
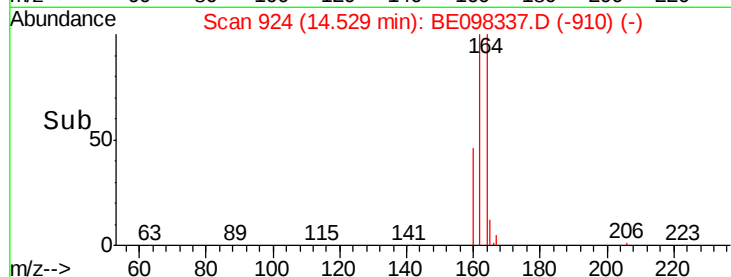
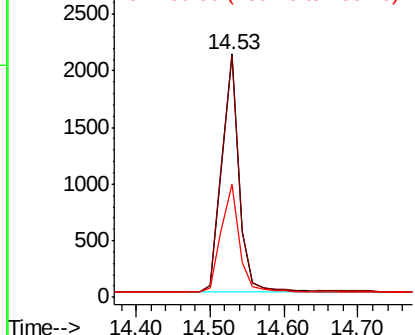
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3375
Ion Ratio Lower Upper
164 100
162 99.7 77.6 116.4
160 46.7 36.0 54.0

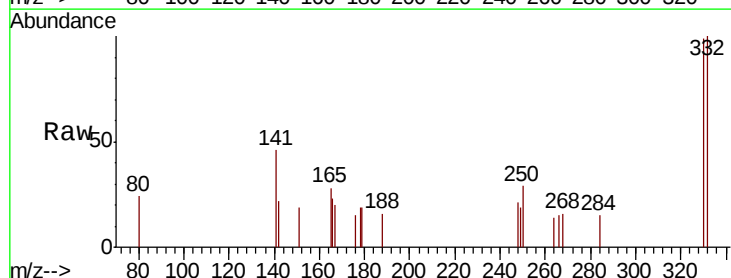


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

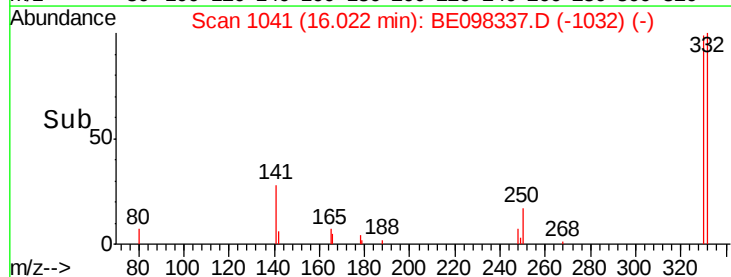
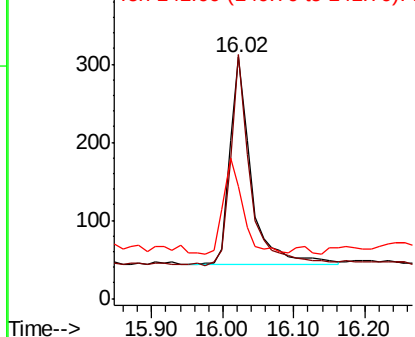


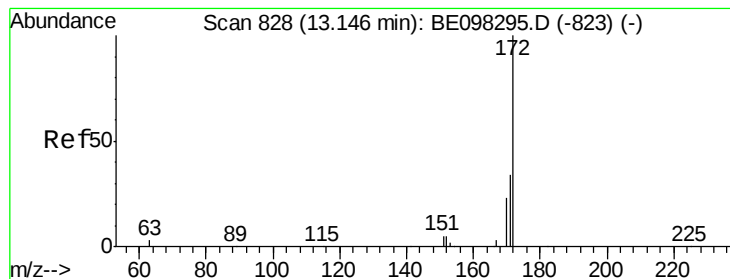
#14
2,4,6-Tribromophenol
Concen: 0.451 ng
RT: 16.02 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

Tgt Ion:330 Resp: 559
Ion Ratio Lower Upper
330 100
332 92.1 76.2 114.4
141 41.5 39.0 58.4



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: 0.519 ng

RT: 13.15 min Scan# 828

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :

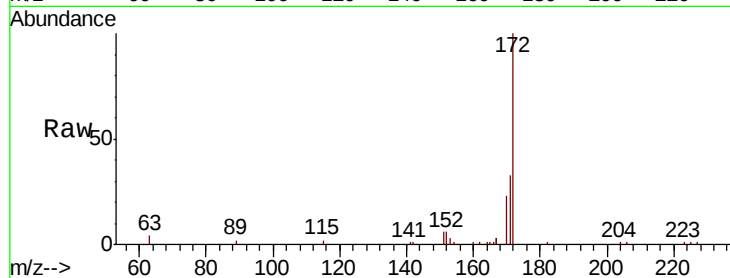
Tot Ion:172 Resp: 7391

Ion Ratio Lower Upper

172 100

171 33.0 27.5 41.3

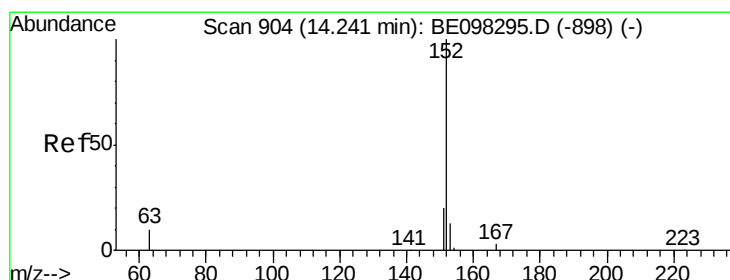
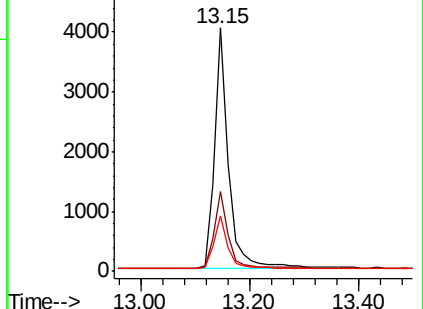
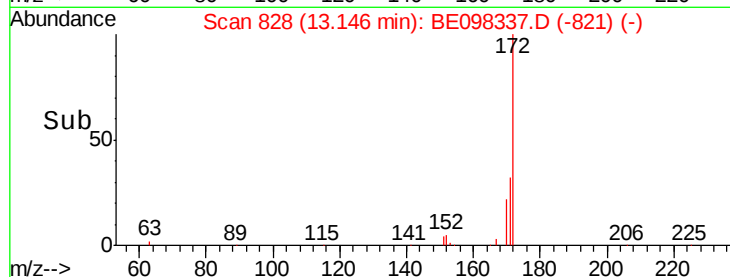
170 22.9 19.6 29.4



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: 0.429 ng

RT: 14.24 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

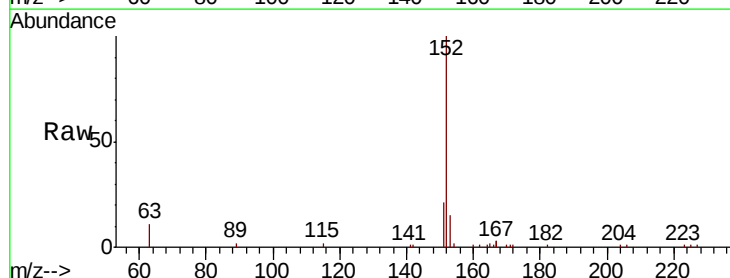
Tgt Ion:152 Resp: 6788

Ion Ratio Lower Upper

152 100

151 19.7 15.5 23.3

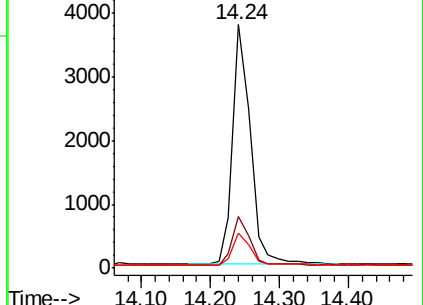
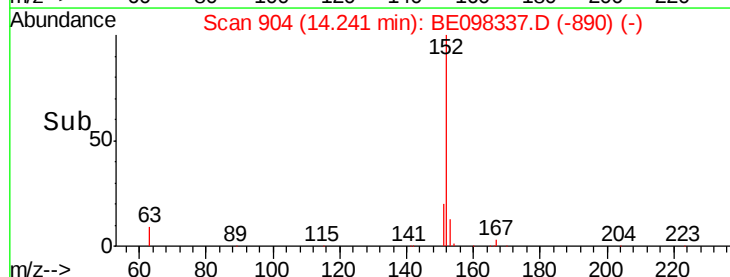
153 13.3 10.6 16.0



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: 0.407 ng

RT: 14.59 min Scan# 928

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :

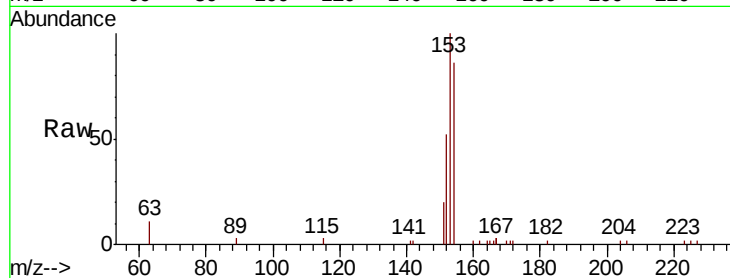
Tot Ion:154 Resp: 3869

Ion Ratio Lower Upper

154 100

153 115.9 91.8 137.6

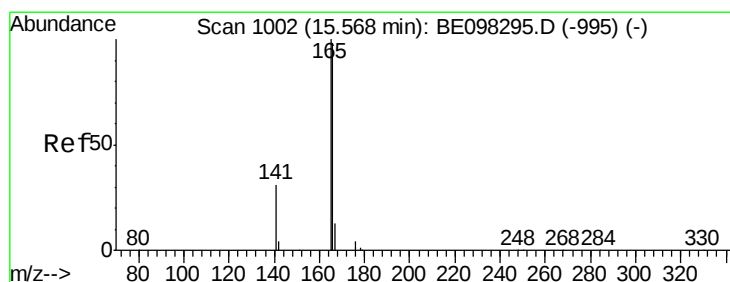
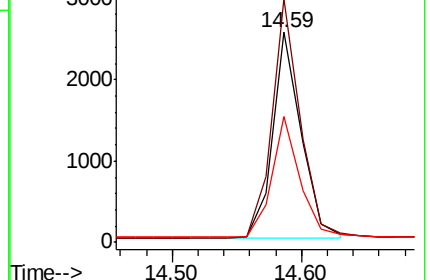
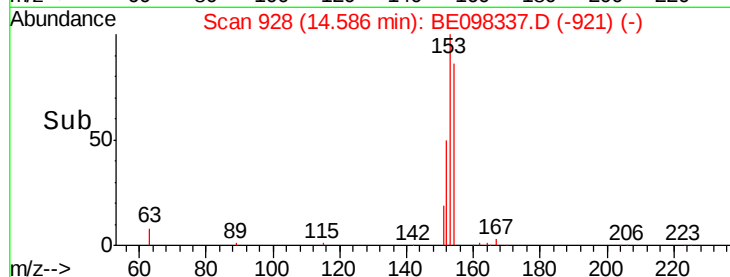
152 58.1 45.5 68.3



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: 0.428 ng

RT: 15.57 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

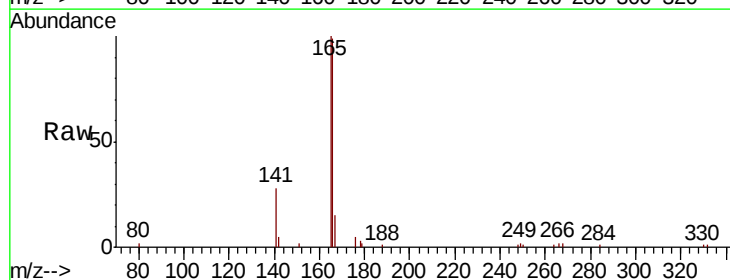
Tgt Ion:166 Resp: 5441

Ion Ratio Lower Upper

166 100

165 101.0 79.3 118.9

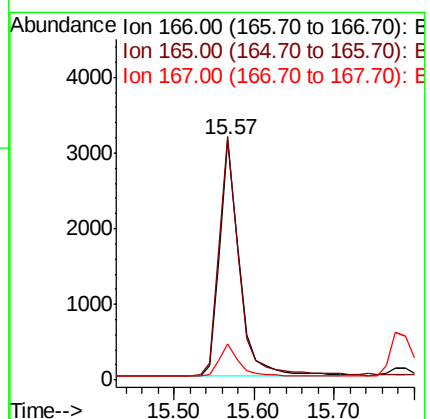
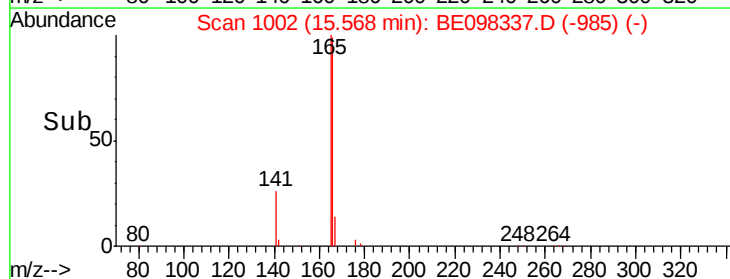
167 13.6 11.3 16.9



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: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampled :

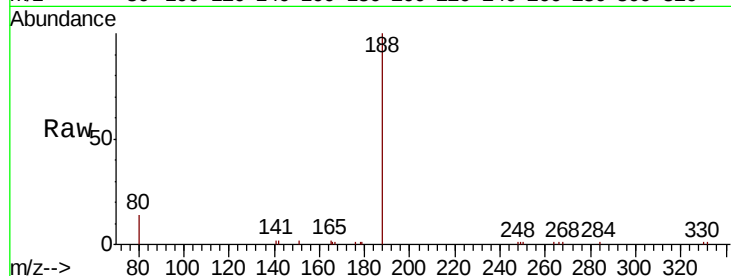
Tot Ion:188 Resp: 8582

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

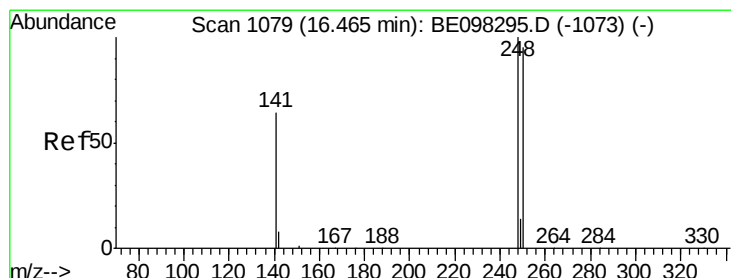
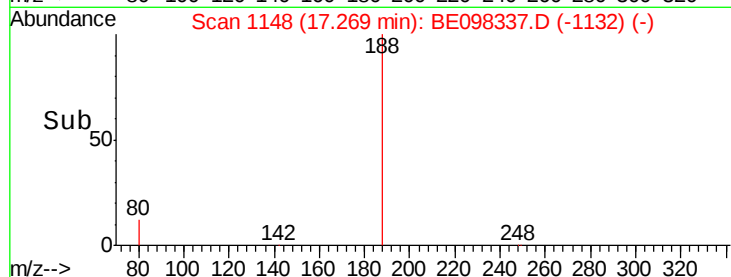
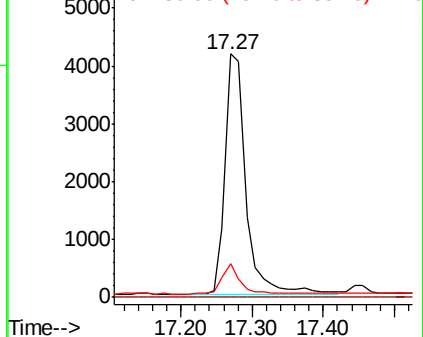
80 13.7 7.2 10.8#



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: 0.404 ng

RT: 16.47 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

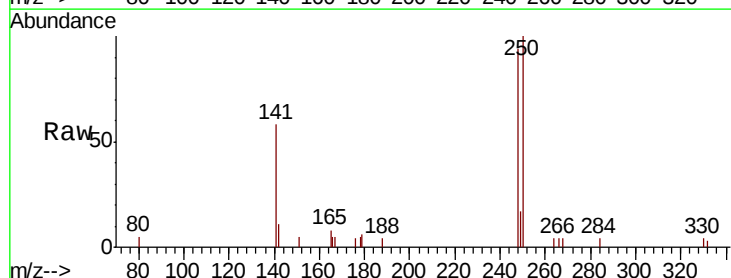
Tgt Ion:248 Resp: 1867

Ion Ratio Lower Upper

248 100

250 106.6 71.0 106.6#

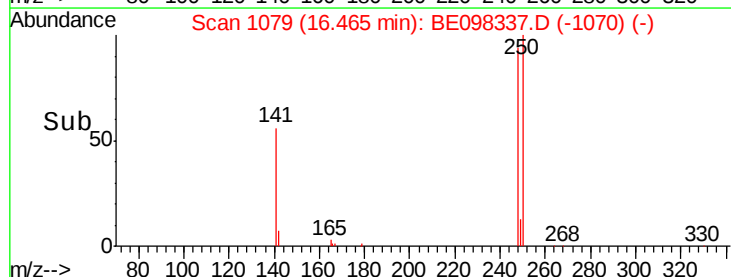
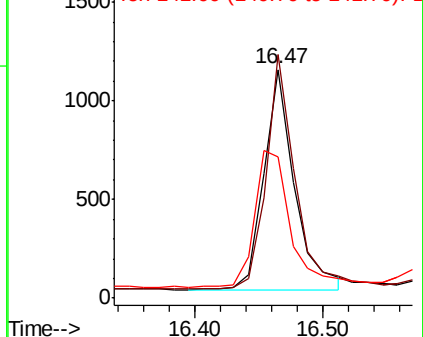
141 61.9 62.1 93.1#



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

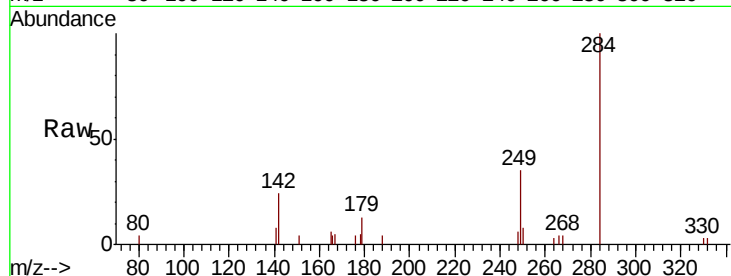




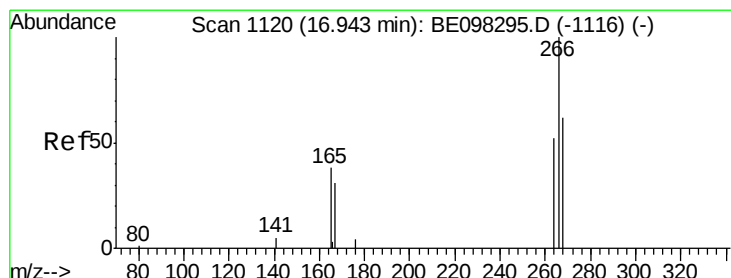
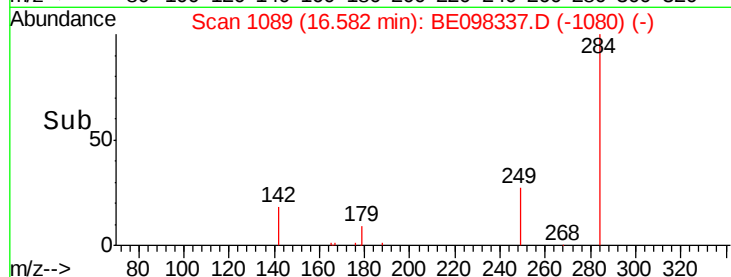
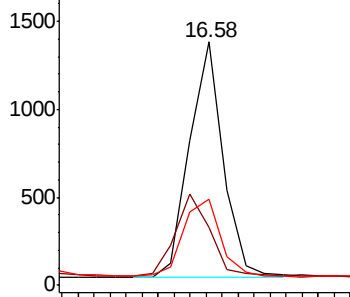
#21
Hexachlorobenzene
Concen: 0.393 ng
RT: 16.58 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1954
Ion Ratio Lower Upper
284 100
142 35.5 26.3 39.5
249 36.3 26.0 39.0

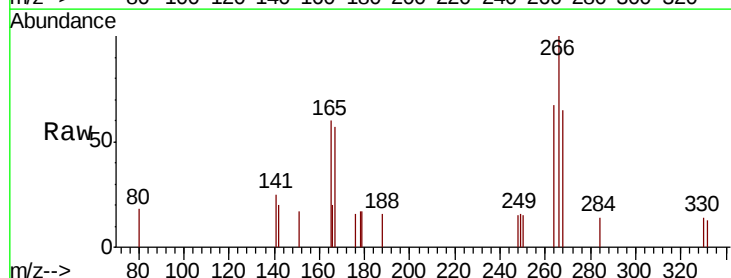


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

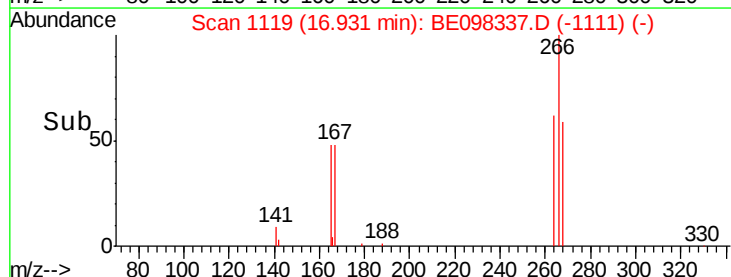
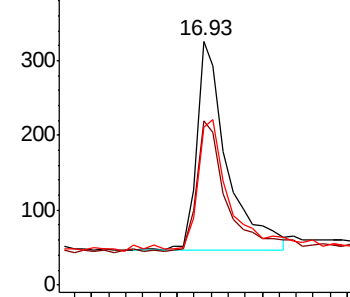


#22
Pentachlorophenol
Concen: 0.765 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

Tgt Ion:266 Resp: 689
Ion Ratio Lower Upper
266 100
264 67.2 59.0 88.4
268 64.7 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





#23

Phenanthrene

Concen: 0.444 ng

RT: 17.32 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :

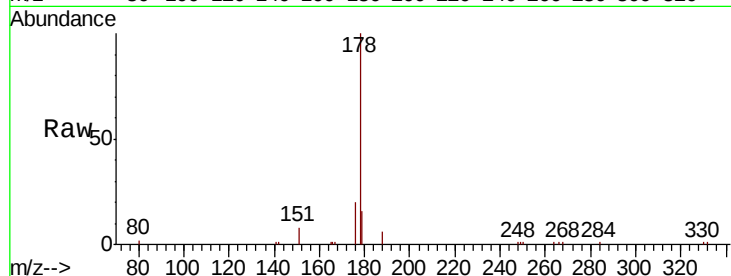
Tot Ion:178 Resp: 9269

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

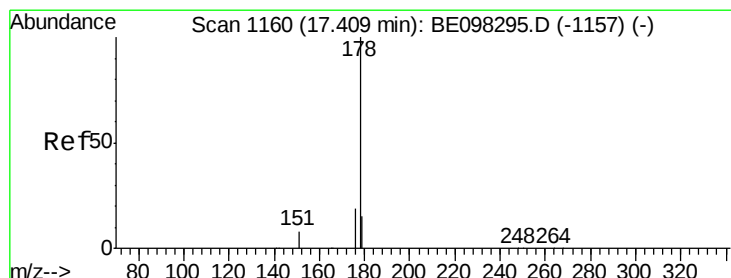
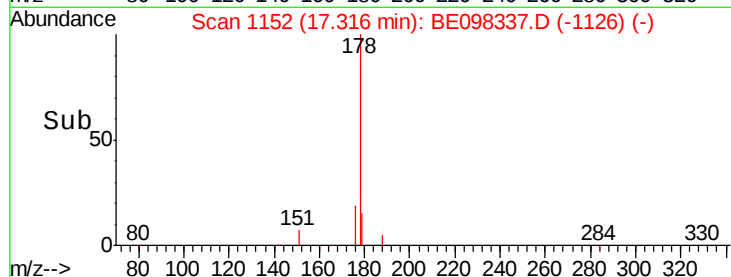
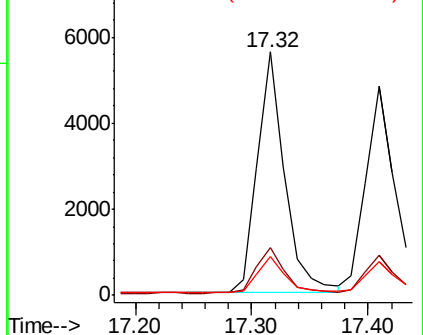
179 15.2 12.3 18.5



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: 0.445 ng

RT: 17.41 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

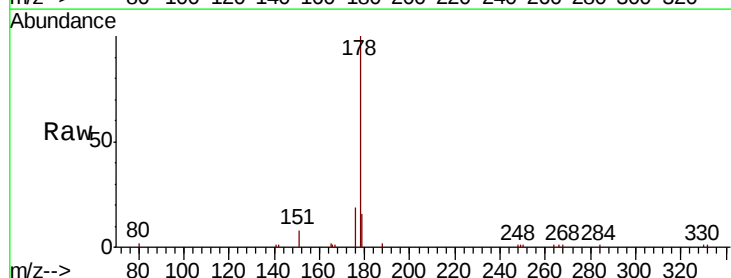
Tgt Ion:178 Resp: 8269

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

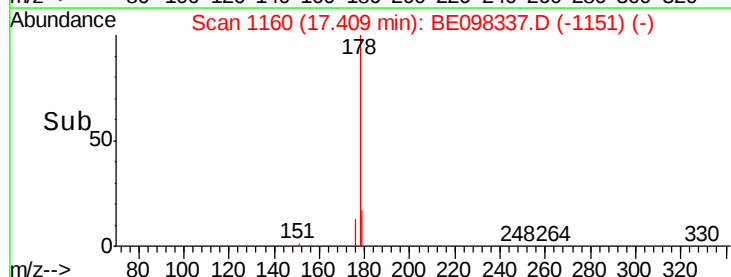
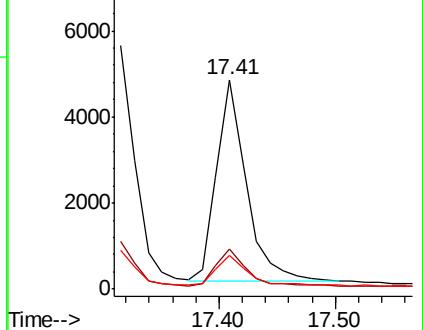
179 15.5 12.3 18.5



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

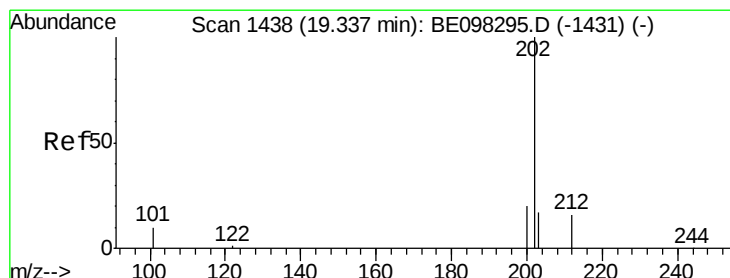
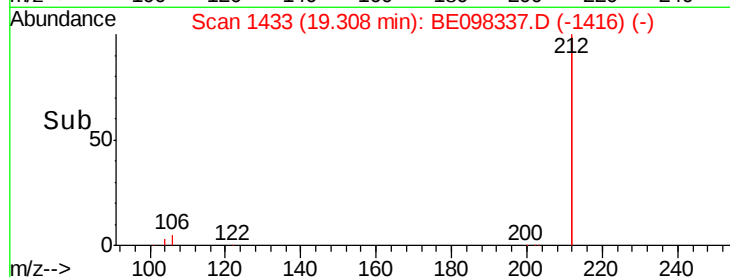
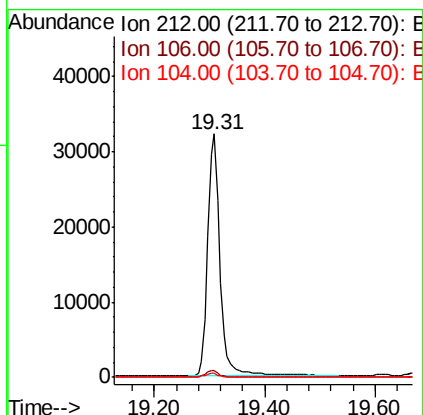
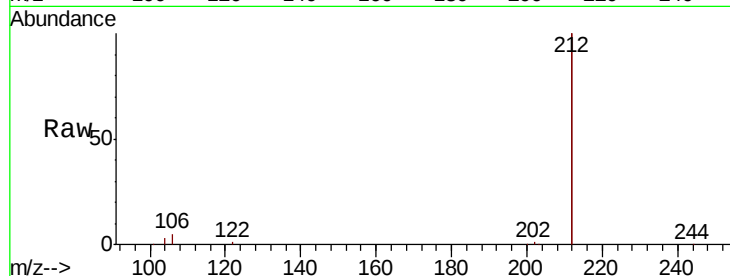




#25
 Fluoranthene-d10
 Concen: 0.452 ng
 RT: 19.31 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BE098337.D
 Acq: 11 Dec 2018 17:43

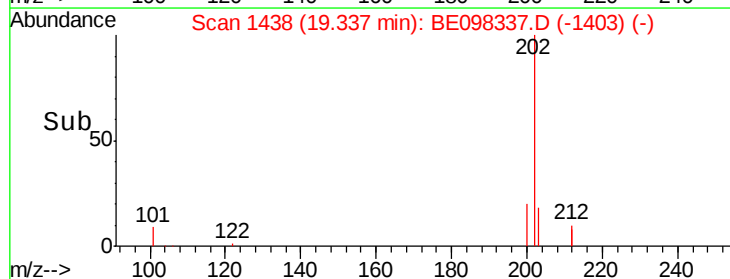
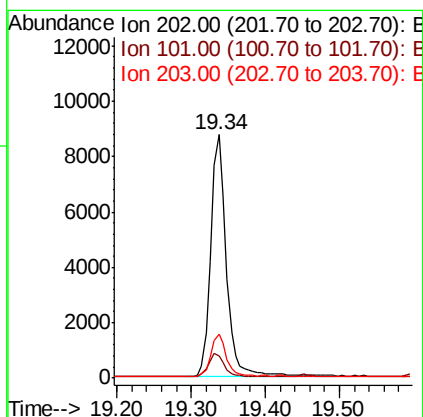
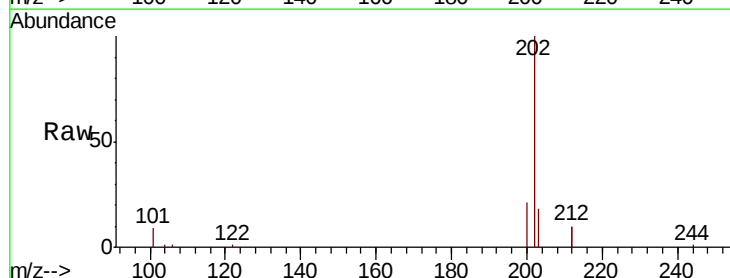
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:212 Resp: 49768
 Ion Ratio Lower Upper
 212 100
 106 2.7 2.2 3.2
 104 1.5 1.3 1.9



#26
 Fluoranthene
 Concen: 0.464 ng
 RT: 19.34 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BE098337.D
 Acq: 11 Dec 2018 17:43

Tgt Ion:202 Resp: 12816
 Ion Ratio Lower Upper
 202 100
 101 10.1 8.0 12.0
 203 17.0 13.8 20.6

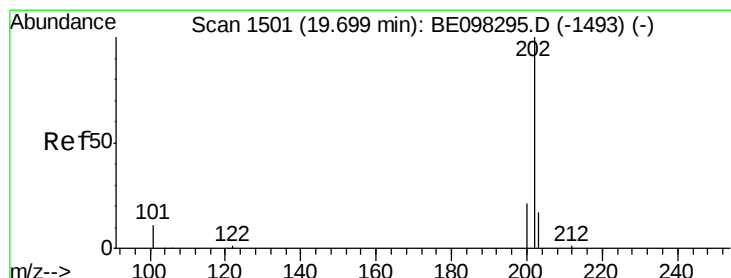
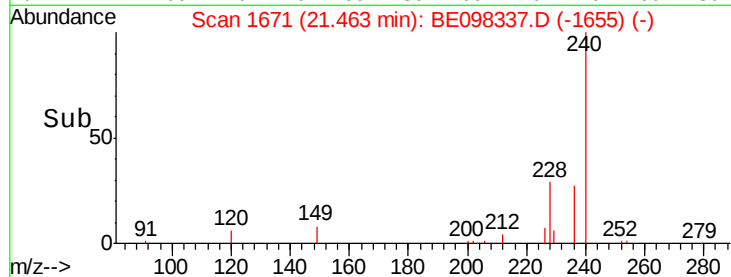
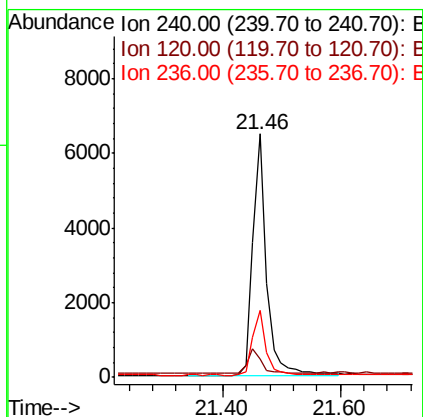
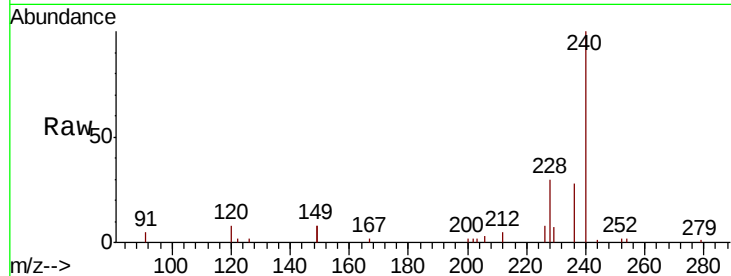




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

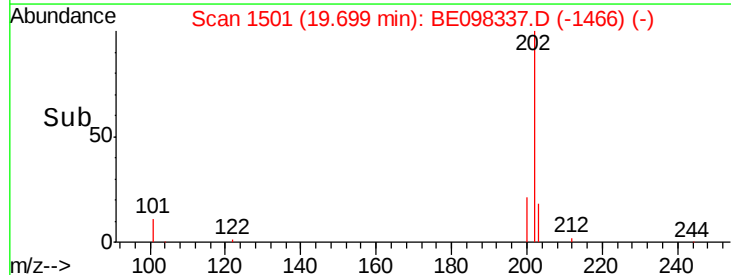
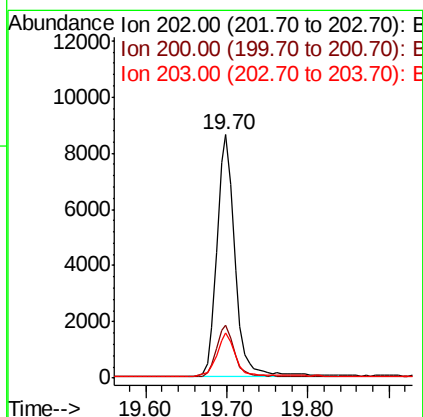
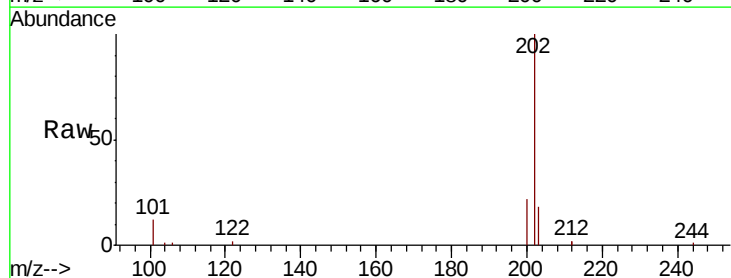
Instrument :
BNA_E
ClientSampleId :

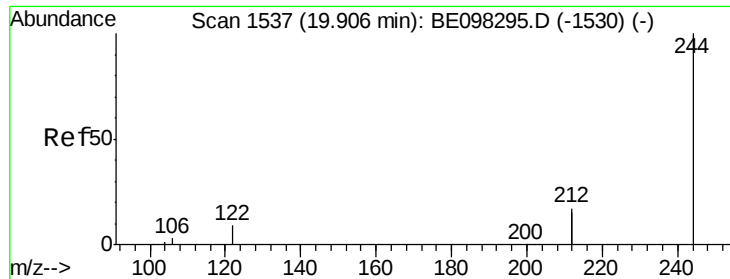
Tot Ion:240 Resp: 10588
Ion Ratio Lower Upper
240 100
120 7.7 9.5 14.3#
236 27.6 22.7 34.1



#28
Pyrene
Concen: 0.397 ng
RT: 19.70 min Scan# 1501
Delta R.T. 0.00 min
Lab File: BE098337.D
Acq: 11 Dec 2018 17:43

Tgt Ion:202 Resp: 13184
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 18.1 14.1 21.1





#29

Terphenyl-d14

Concen: 0.476 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :

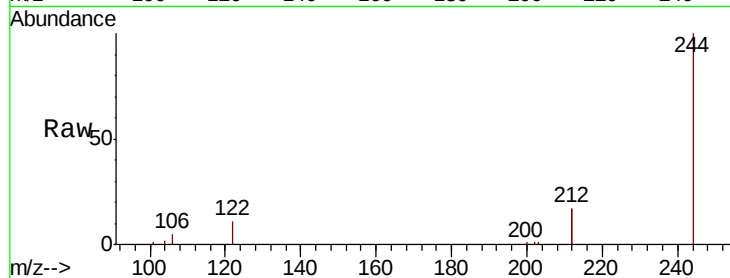
Tot Ion:244 Resp: 12250

Ion Ratio Lower Upper

244 100

212 34.9 27.4 41.0

122 10.9 8.3 12.5

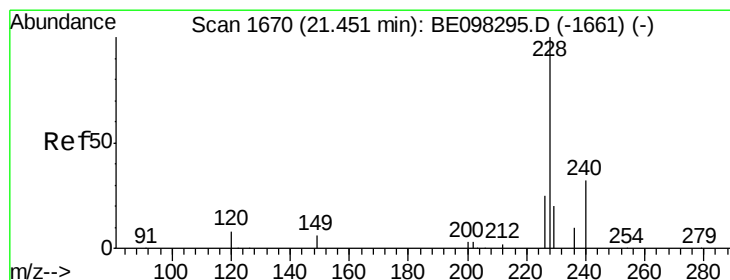
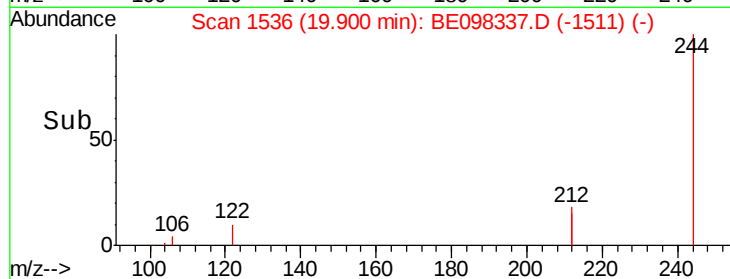
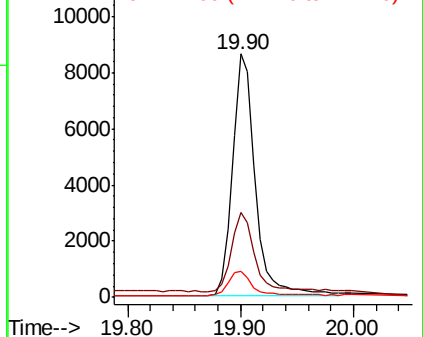


Abundance

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: 0.460 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

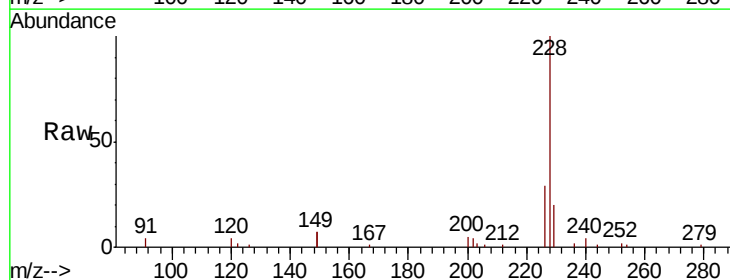
Tgt Ion:228 Resp: 13868

Ion Ratio Lower Upper

228 100

226 29.1 21.8 32.8

229 20.1 16.3 24.5

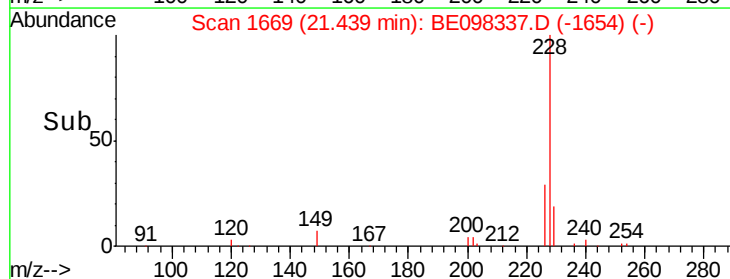
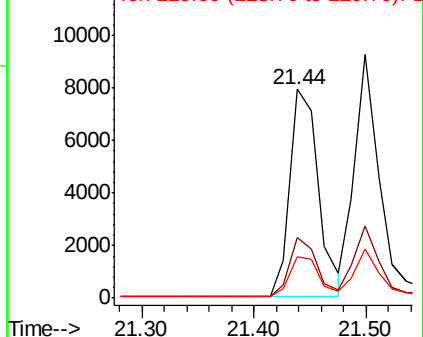


Abundance

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

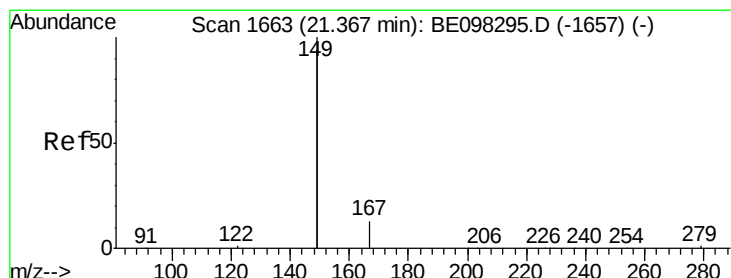
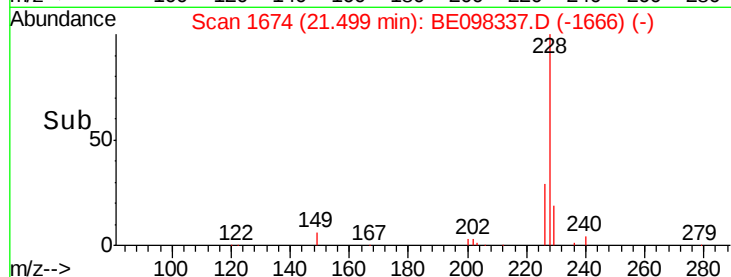
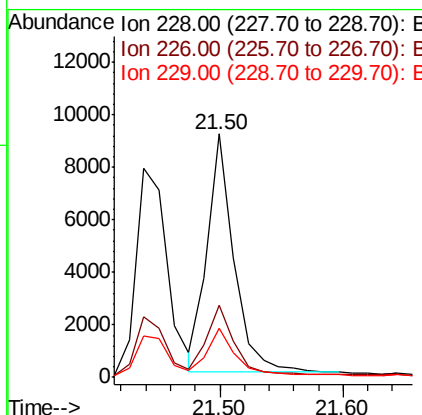
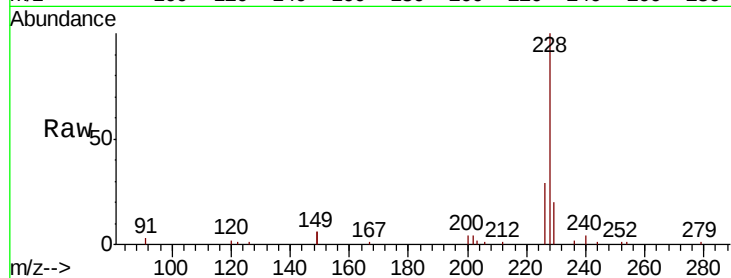




#31
 Chrysene
 Concen: 0.434 ng
 RT: 21.50 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: BE098337.D
 Acq: 11 Dec 2018 17:43

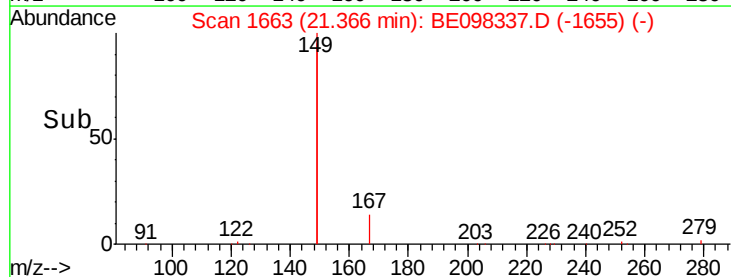
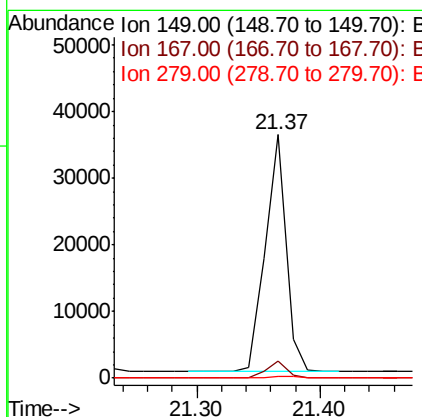
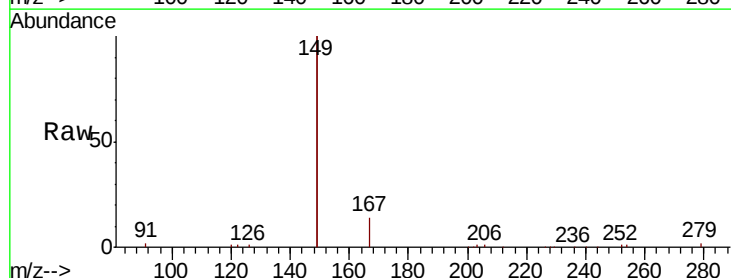
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 13706
 Ion Ratio Lower Upper
 228 100
 226 29.4 23.4 35.0
 229 19.9 16.2 24.4



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.695 ng
 RT: 21.37 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: BE098337.D
 Acq: 11 Dec 2018 17:43

Tgt Ion:149 Resp: 42554
 Ion Ratio Lower Upper
 149 100
 167 6.8 5.7 8.5
 279 1.1 1.0 1.4





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.446 ng

RT: 26.70 min Scan# 3022

Delta R.T. 0.00 min

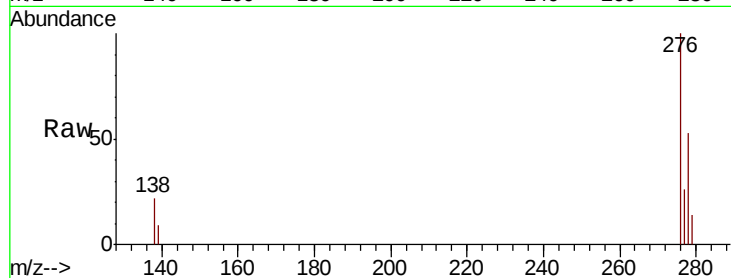
Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :



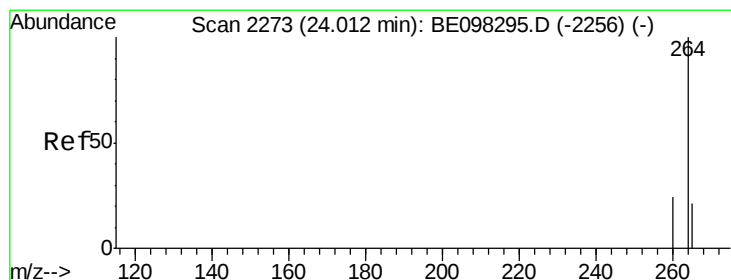
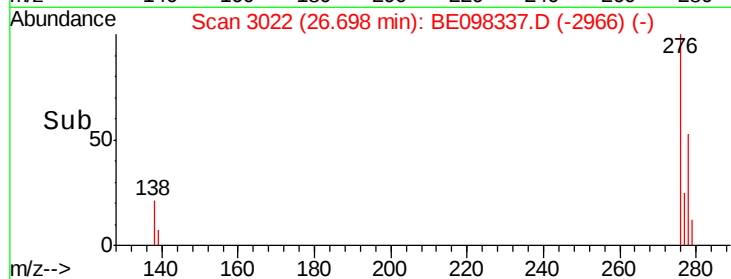
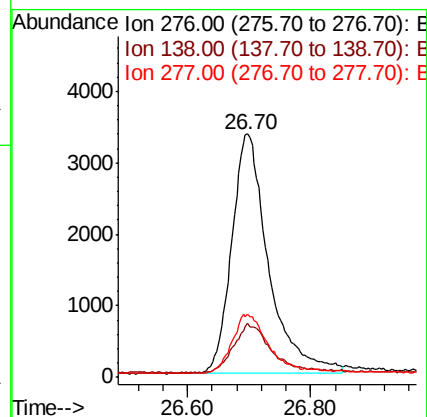
Tot Ion:276 Resp: 14027

Ion Ratio Lower Upper

276 100

138 20.2 16.3 24.5

277 23.7 20.2 30.4



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.01 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

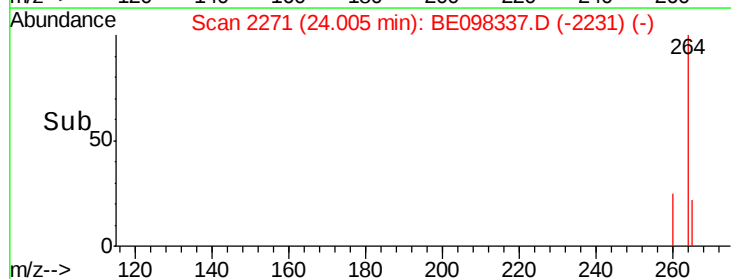
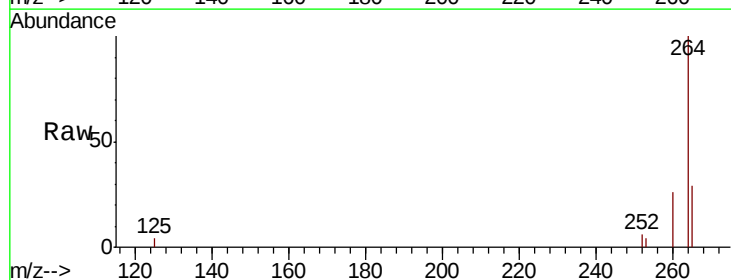
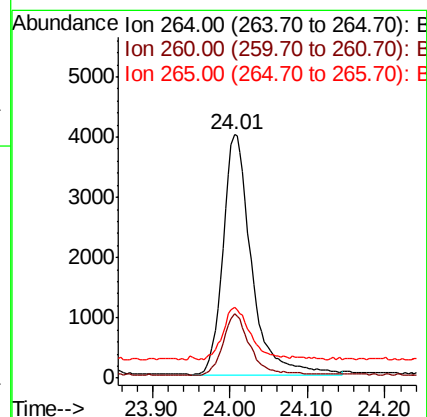
Tgt Ion:264 Resp: 10112

Ion Ratio Lower Upper

264 100

260 26.2 20.2 30.2

265 29.3 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.450 ng

RT: 23.22 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :

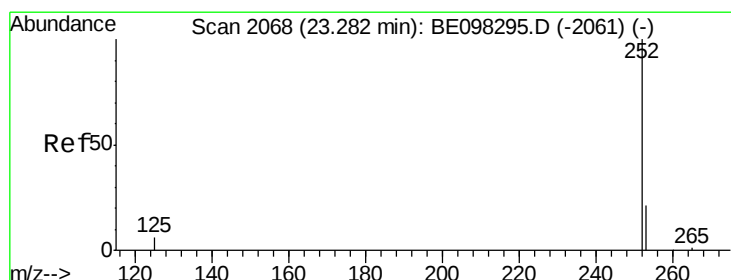
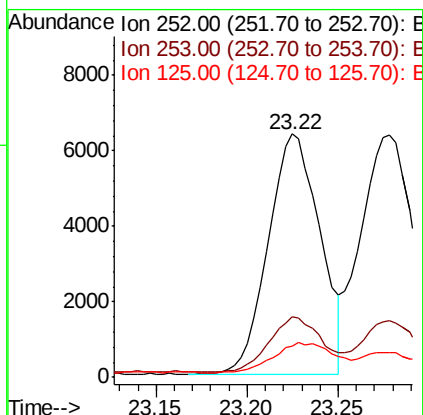
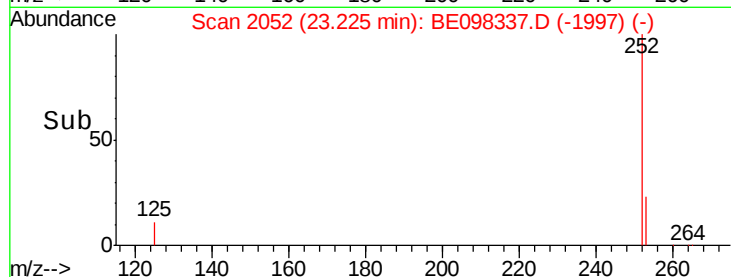
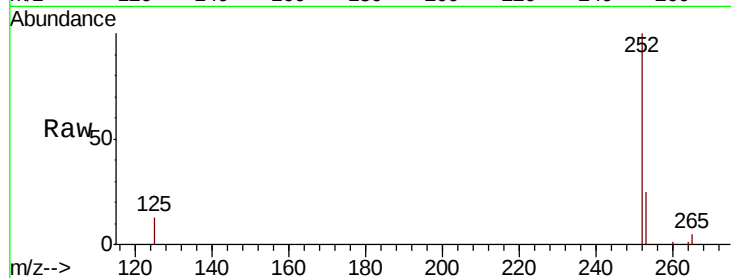
Tot Ion:252 Resp: 12451

Ion Ratio Lower Upper

252 100

253 24.8 20.0 30.0

125 12.8 9.6 14.4



#36

Benzo(k)fluoranthene

Concen: 0.457 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

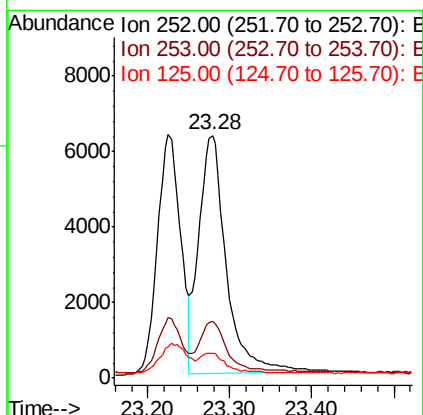
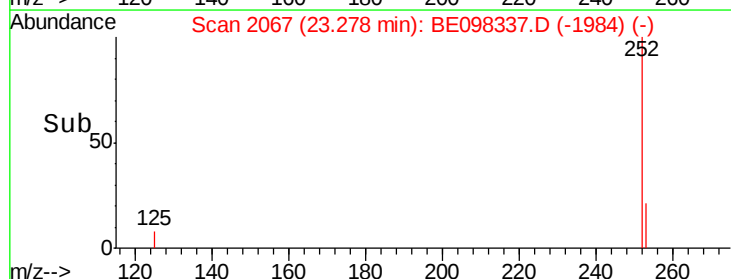
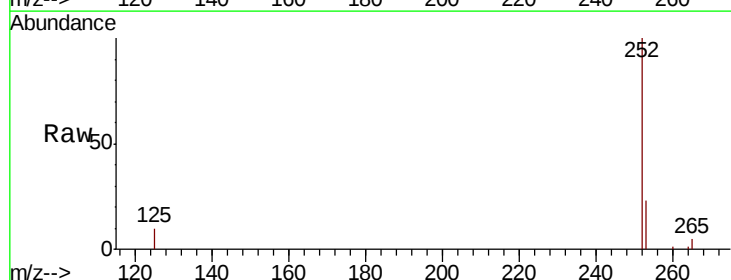
Tgt Ion:252 Resp: 14711

Ion Ratio Lower Upper

252 100

253 23.2 19.0 28.6

125 10.1 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.449 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :

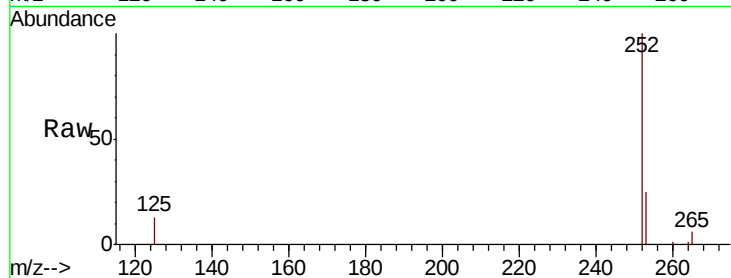
Tot Ion:252 Resp: 12825

Ion Ratio Lower Upper

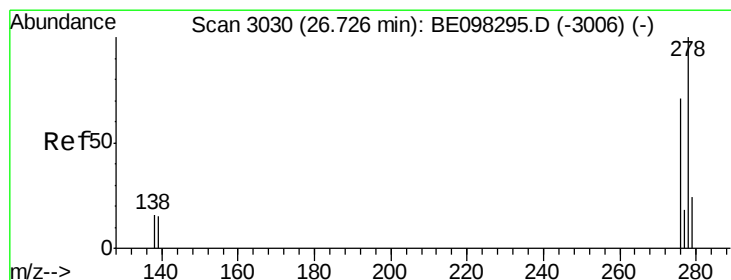
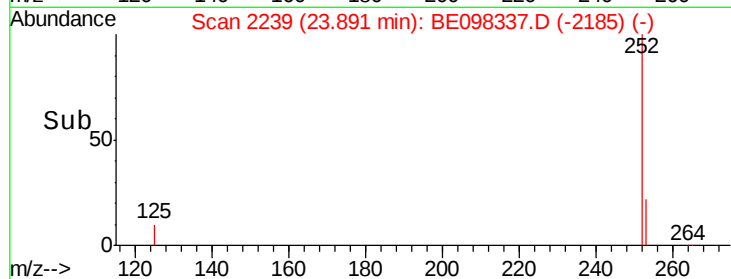
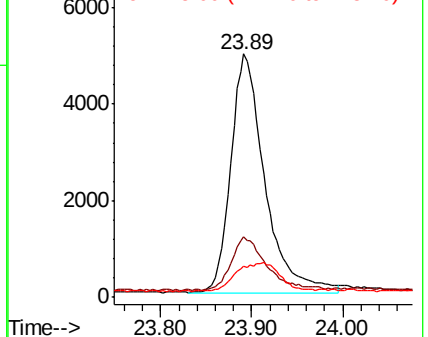
252 100

253 24.6 20.6 30.8

125 12.6 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: 0.437 ng

RT: 26.72 min Scan# 3027

Delta R.T. -0.01 min

Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

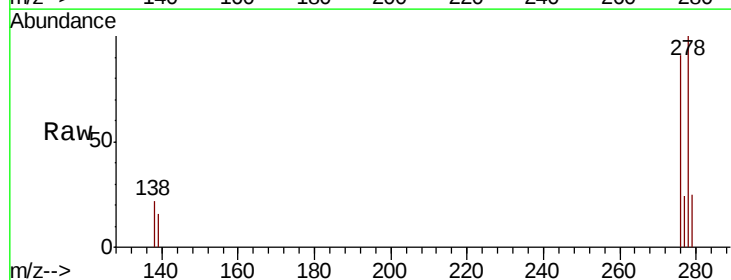
Tgt Ion:278 Resp: 11750

Ion Ratio Lower Upper

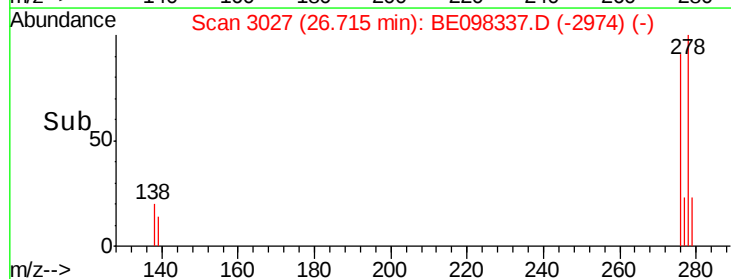
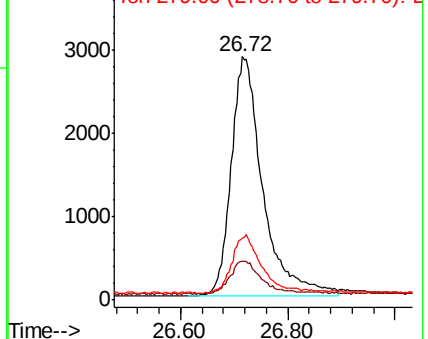
278 100

139 16.1 14.5 21.7

279 25.2 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(a,h,i)perylene

Concen: 0.444 ng

RT: 27.52 min Scan# 3253

Delta R.T. 0.00 min

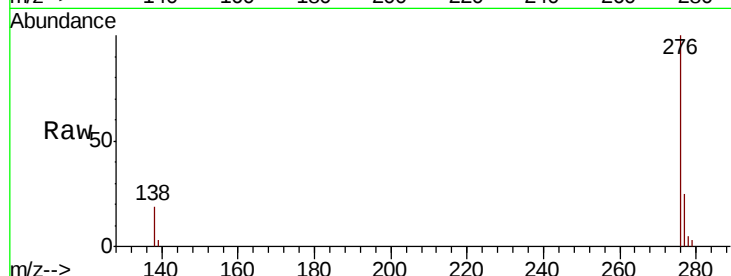
Lab File: BE098337.D

Acq: 11 Dec 2018 17:43

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 12035

Ion Ratio Lower Upper

276 100

277 24.8 20.8 31.2

138 19.2 15.8 23.6

Abundance Ion 276.00 (275.70 to 276.70): E
 4000 Ion 277.00 (276.70 to 277.70): E
 3000 Ion 138.00 (137.70 to 138.70): E
 2000
 1000
 0

