

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110118\
 Data File : BE098142.D
 Acq On : 1 Nov 2018 12:22
 Operator : SJ/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Quant Time: Nov 01 13:03:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 11:18:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1057	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5211	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	3538	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7965	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9380	0.40	ng	0.00
34) Perylene-d12	24.02	264	9184	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	9798	3.06	ng	0.00
5) Phenol-d6	7.04	99	16775	3.15	ng	0.00
8) Nitrobenzene-d5	9.02	82	18114	3.27	ng	-0.01
11) 2-Methylnaphthalene-d10	12.27	152	29297	3.17	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	5669	3.18	ng	-0.01
15) 2-Fluorobiphenyl	13.16	172	42949	3.00	ng	0.00
25) Fluoranthene-d10	19.31	212	332063	3.25	ng	0.00
29) Terphenyl-d14	19.91	244	68974	3.12	ng	0.00

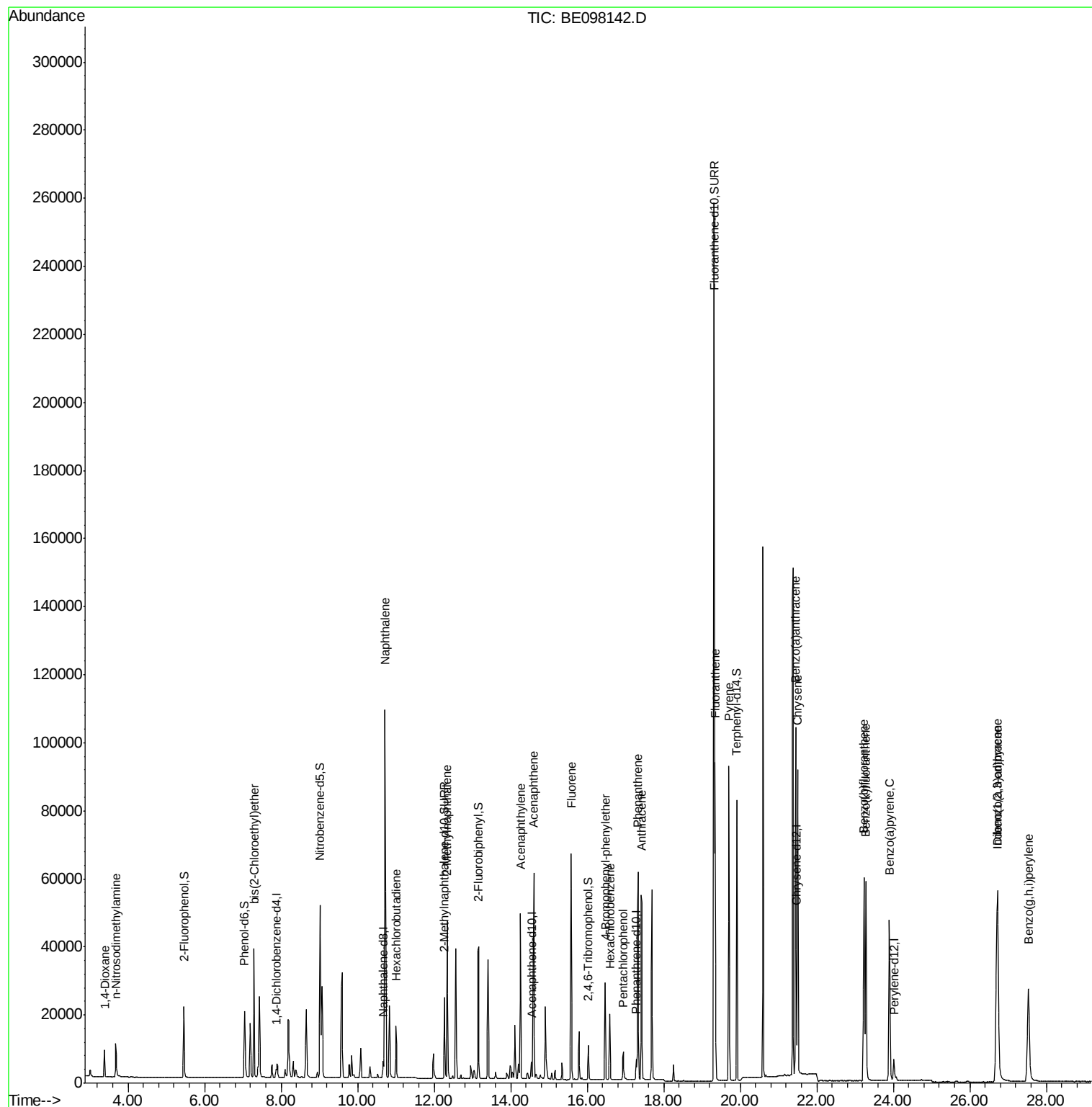
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	4771	2.933	ng	98
3) n-Nitrosodimethylamine	3.68	42	7542	3.475	ng	# 80
6) bis(2-Chloroethyl)ether	7.29	93	11913	3.190	ng	92
9) Naphthalene	10.72	128	162913	3.148	ng	99
10) Hexachlorobutadiene	11.00	225	10756	3.065	ng	97
12) 2-Methylnaphthalene	12.34	142	29818	3.185	ng	95
16) Acenaphthylene	14.26	152	52641	3.285	ng	99
17) Acenaphthene	14.60	154	31030	3.205	ng	99
18) Fluorene	15.58	166	41287	3.162	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	16264	3.382	ng	# 84
21) Hexachlorobenzene	16.59	284	16701	3.329	ng	97
22) Pentachlorophenol	16.94	266	4756	11.386	ng	94
23) Phenanthrene	17.33	178	64557	3.301	ng	100
24) Anthracene	17.41	178	63701	3.319	ng	99
26) Fluoranthene	19.34	202	80880	3.319	ng	# 96
28) Pyrene	19.71	202	83611	3.228	ng	99
30) Benzo(a)anthracene	21.45	228	88356	3.188	ng	97
31) Chrysene	21.50	228	87402	3.246	ng	97
33) Indeno(1,2,3-cd)pyrene	26.70	276	93411	3.175	ng	# 95
35) Benzo(b)fluoranthene	23.23	252	82480	3.234	ng	# 86
36) Benzo(k)fluoranthene	23.28	252	86810	3.274	ng	# 85
37) Benzo(a)pyrene	23.90	252	80672	3.218	ng	# 85
38) Dibenzo(a,h)anthracene	26.73	278	78263	3.204	ng	# 87
39) Benzo(g,h,i)perylene	27.53	276	76580	3.162	ng	# 87

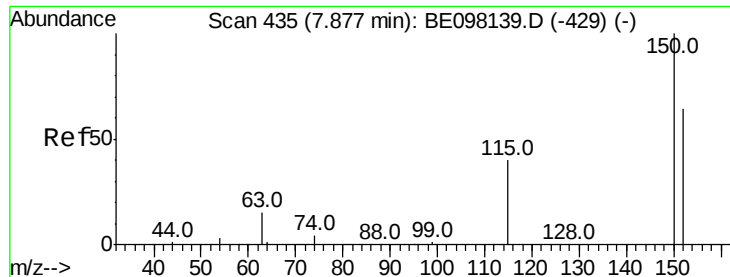
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 01 11:18:18 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.87 min Scan# 435

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

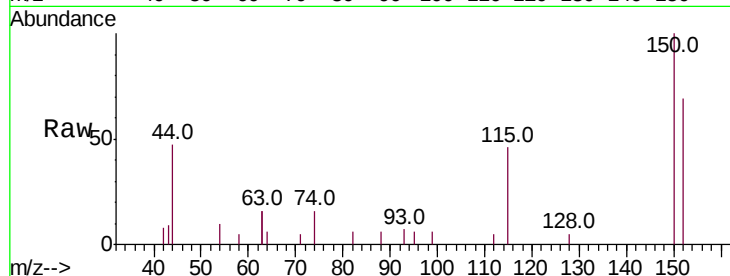
Tot Ion:152 Resp: 1057

Ion Ratio Lower Upper

152 100

150 145.7 118.2 177.4

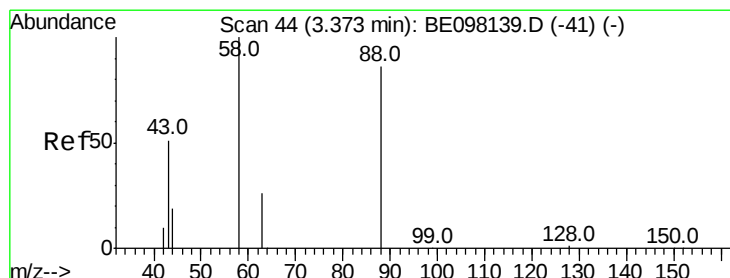
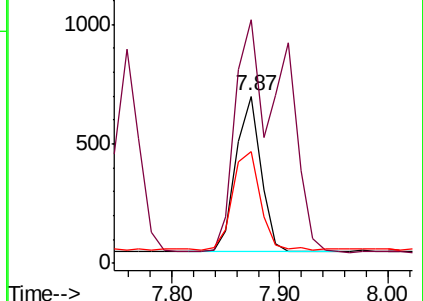
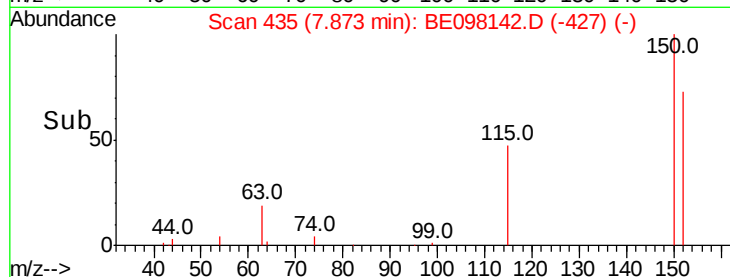
115 67.1 50.9 76.3



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: 2.933 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

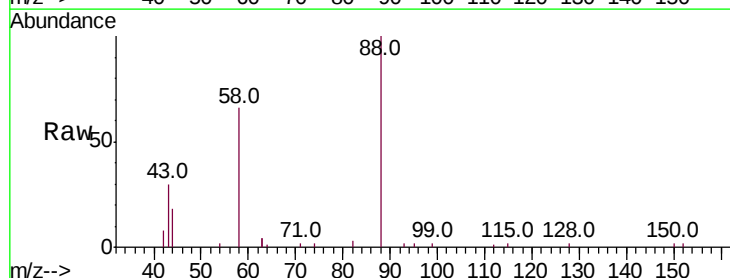
Tgt Ion: 88 Resp: 4771

Ion Ratio Lower Upper

88 100

58 94.3 73.2 109.8

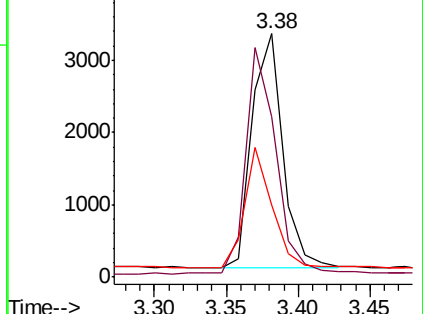
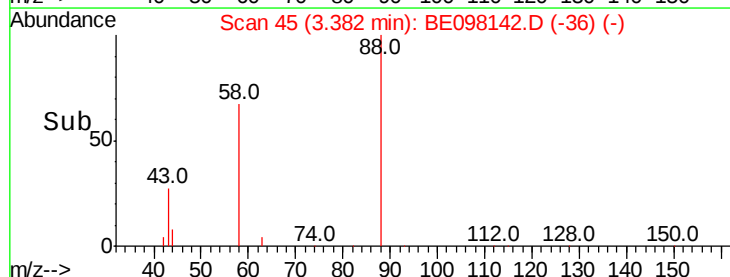
43 45.9 36.9 55.3

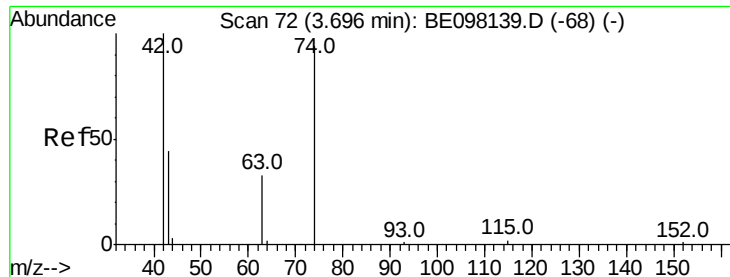


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



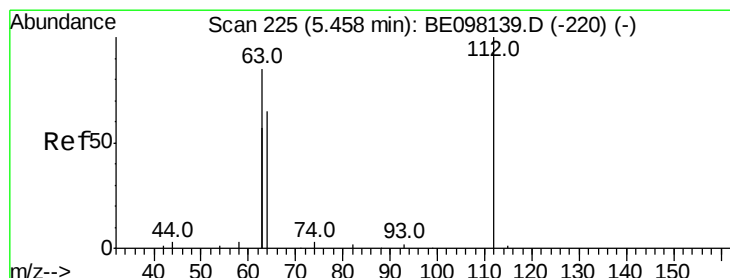
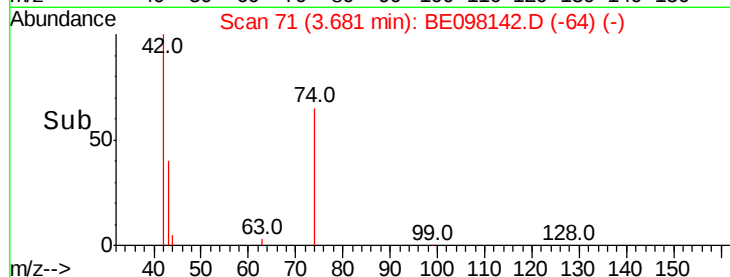
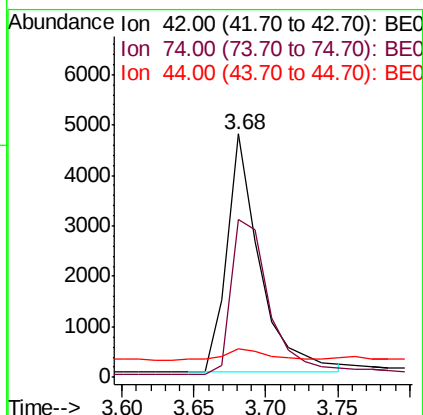
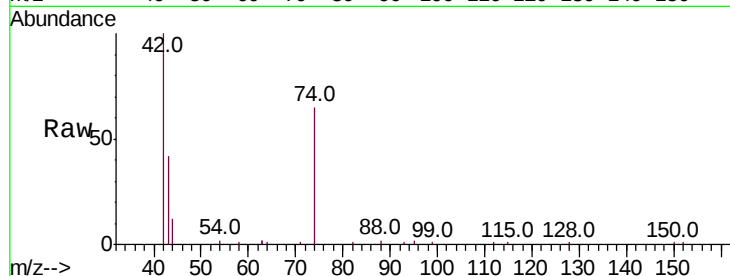


#3

n-Nitrosodimethylamine
 Concen: 3.475 ng
 RT: 3.68 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE098142.D
 Acq: 1 Nov 2018 12:22

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

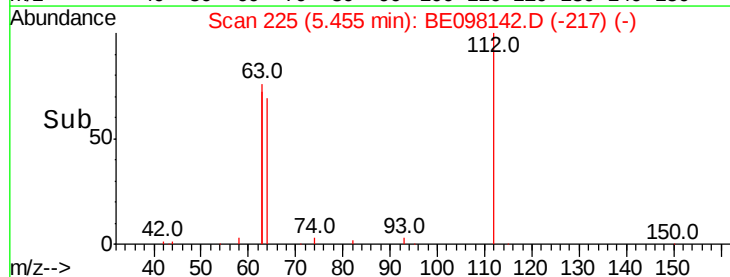
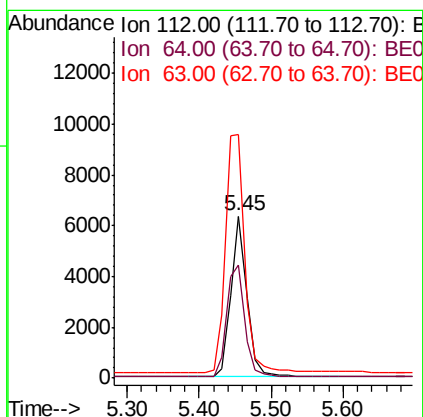
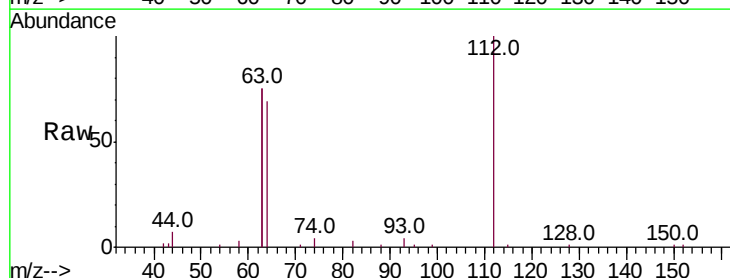
Tot Ion: 42 Resp: 7542
 Ion Ratio Lower Upper
 42 100
 74 76.0 77.6 116.4#
 44 5.8 7.6 11.4#

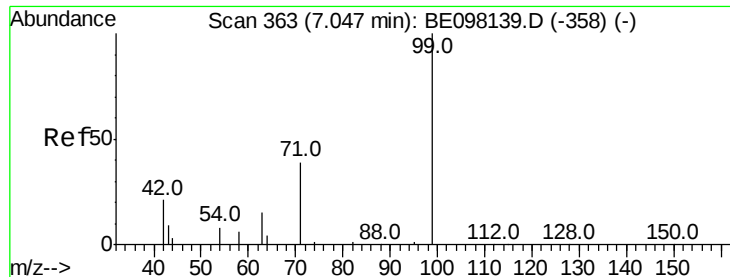


#4

2-Fluorophenol
 Concen: 3.061 ng
 RT: 5.45 min Scan# 225
 Delta R.T. -0.00 min
 Lab File: BE098142.D
 Acq: 1 Nov 2018 12:22

Tgt Ion: 112 Resp: 9798
 Ion Ratio Lower Upper
 112 100
 64 79.1 58.9 88.3
 63 178.2 120.3 180.5





#5

Phenol-d6

Concen: 3.148 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

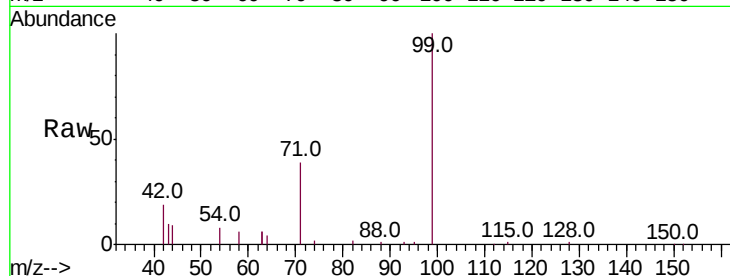
Tot Ion: 99 Resp: 16775

Ion Ratio Lower Upper

99 100

42 31.3 19.9 29.9#

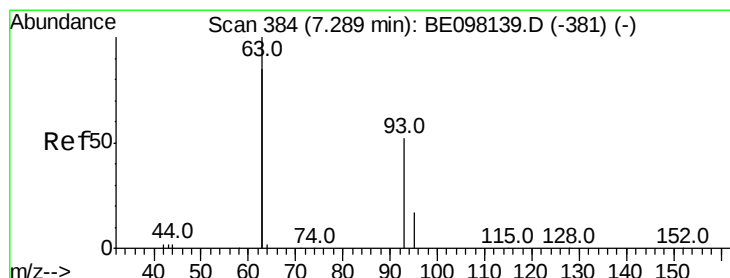
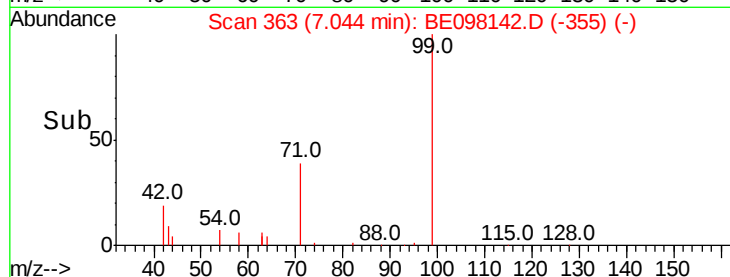
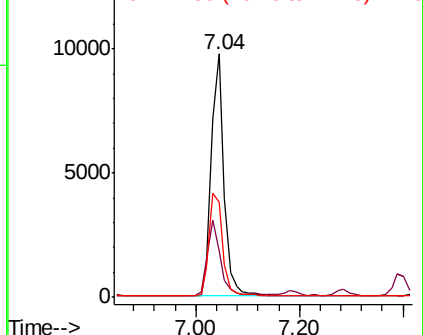
71 45.8 27.8 41.8#



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: 3.190 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

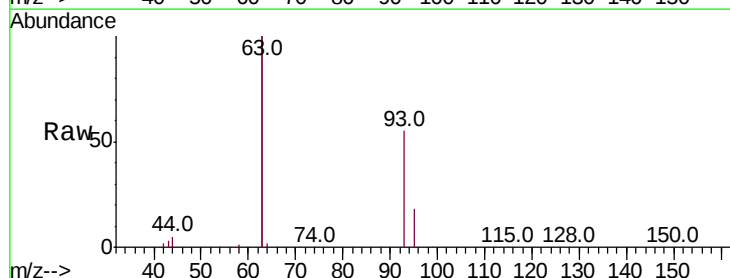
Tgt Ion: 93 Resp: 11913

Ion Ratio Lower Upper

93 100

63 342.1 259.0 388.4

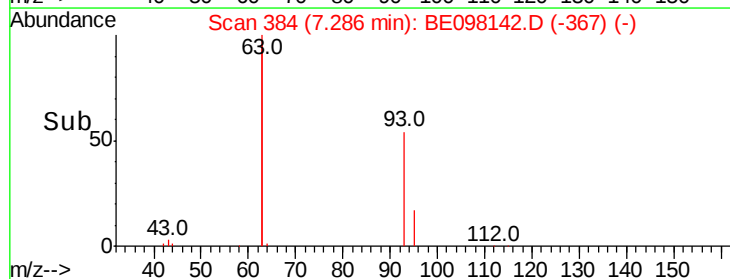
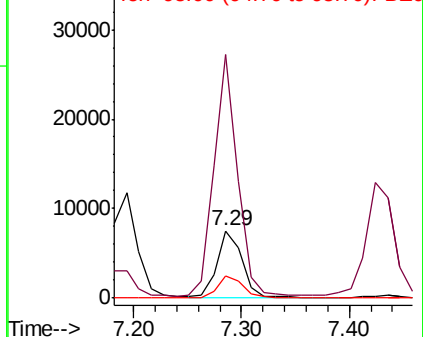
95 32.2 27.8 41.8

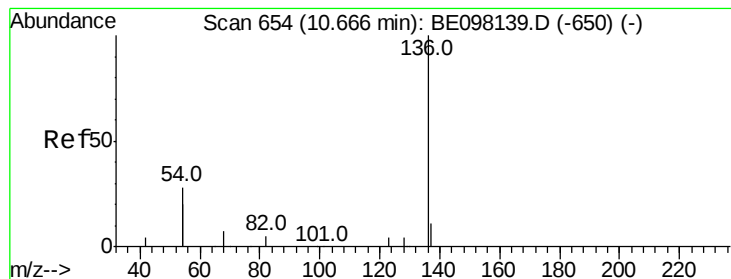


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

Tot Ion:136 Resp: 5211

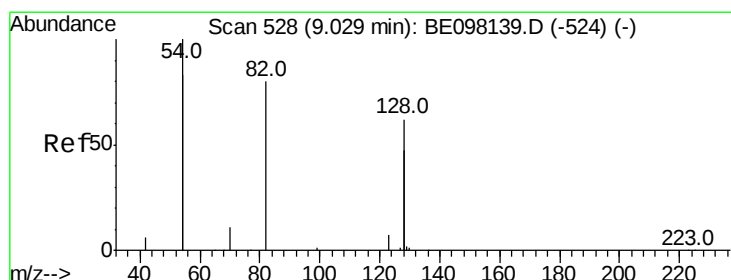
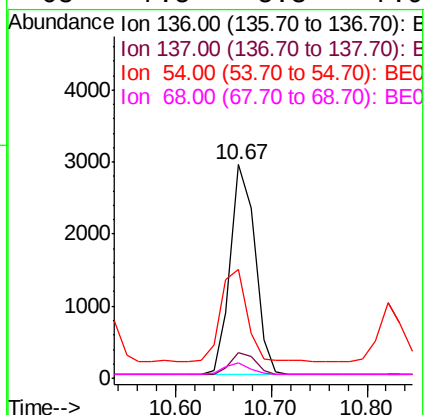
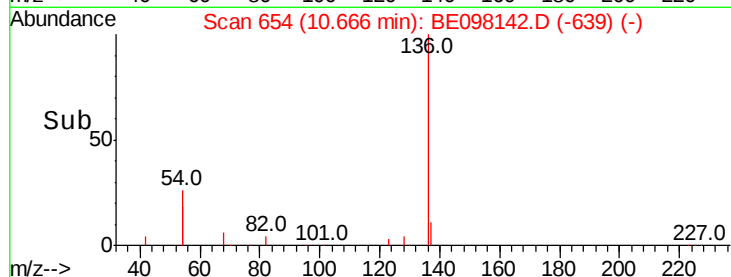
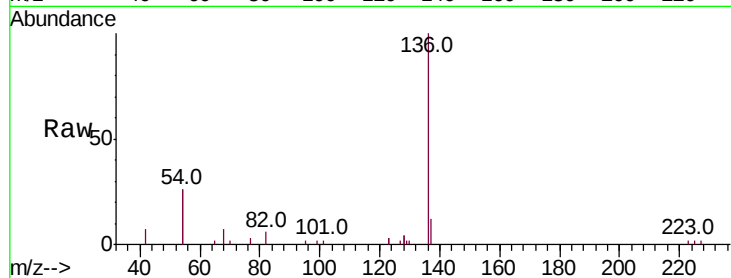
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 51.1 27.7 41.5#

68 7.5 5.3 7.9



#8

Nitrobenzene-d5

Concen: 3.269 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.01 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

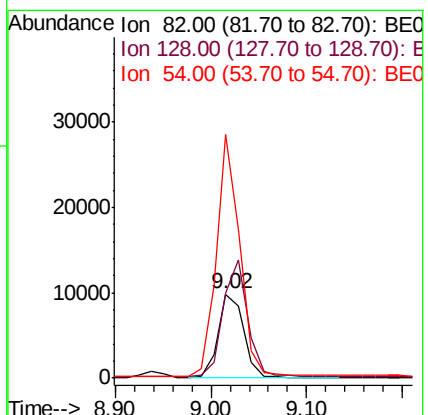
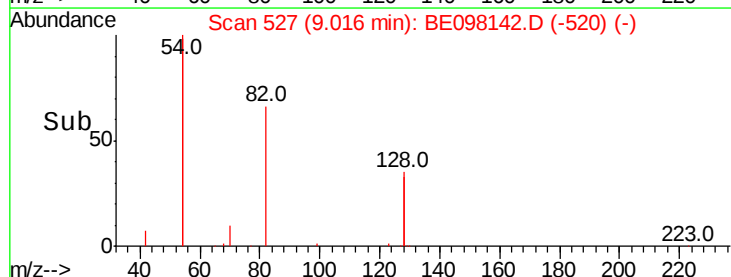
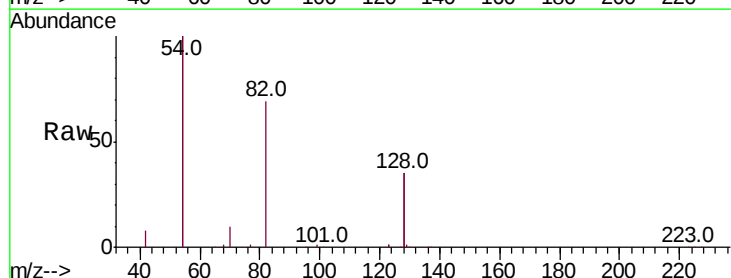
Tgt Ion: 82 Resp: 18114

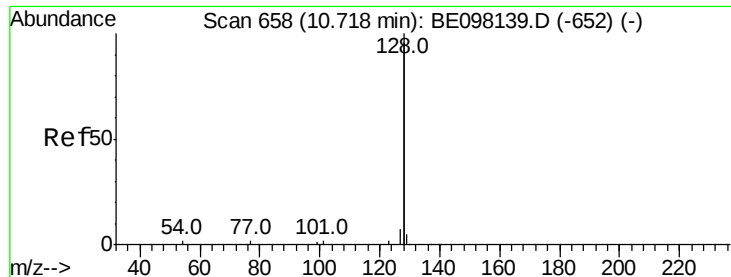
Ion Ratio Lower Upper

82 100

128 100.8 129.9 194.9#

54 290.3 174.0 261.0#





#9

Naphthalene

Concen: 3.148 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

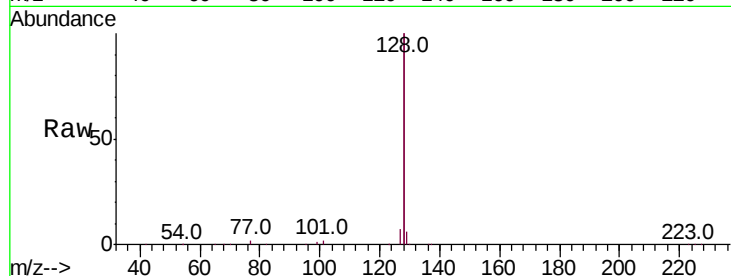
Tot Ion:128 Resp: 162913

Ion Ratio Lower Upper

128 100

129 2.8 2.5 3.7

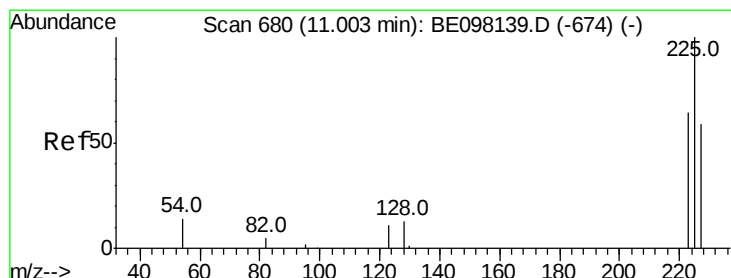
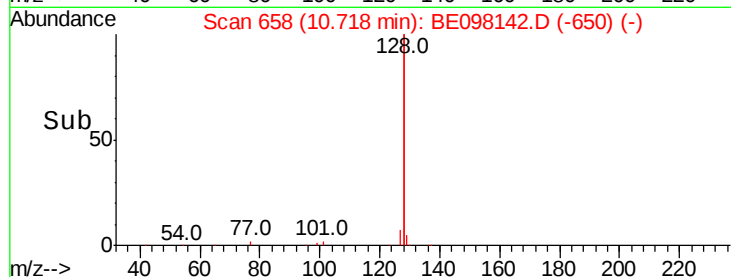
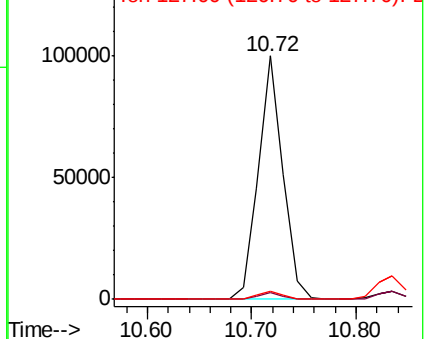
127 3.3 2.8 4.2



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: 3.065 ng

RT: 11.00 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

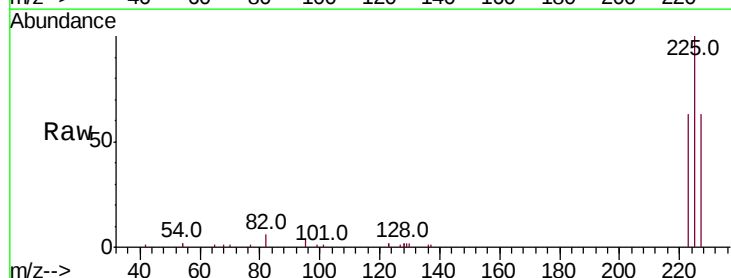
Tgt Ion:225 Resp: 10756

Ion Ratio Lower Upper

225 100

223 62.4 51.8 77.8

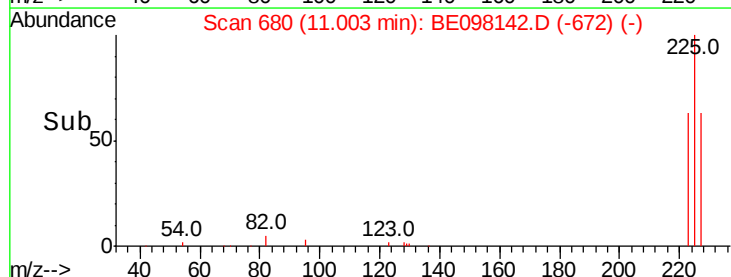
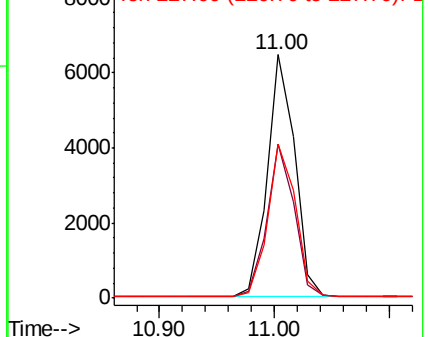
227 63.7 53.0 79.6

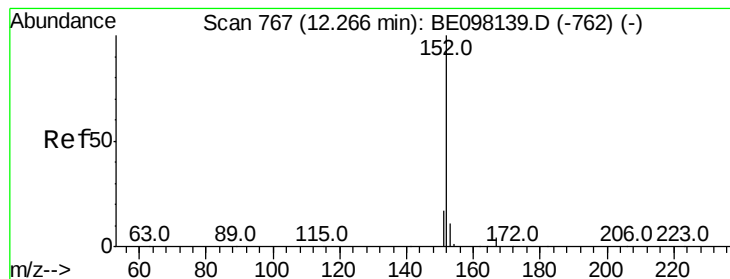


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 3.169 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

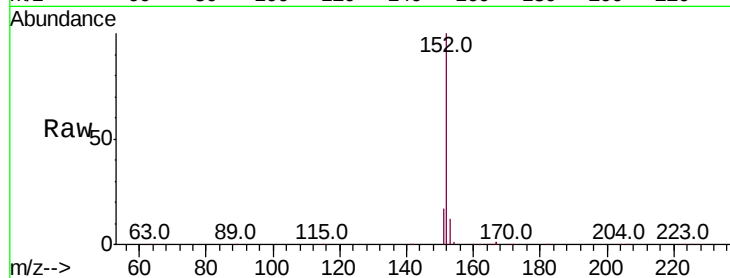
SSTDICC3.2

Tot Ion:152 Resp: 29297

Ion Ratio Lower Upper

152 100

151 19.2 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

20000

15000

10000

5000

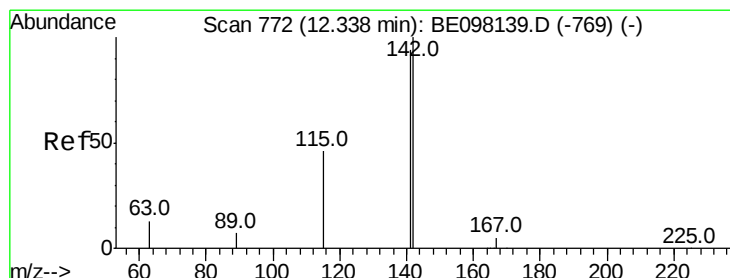
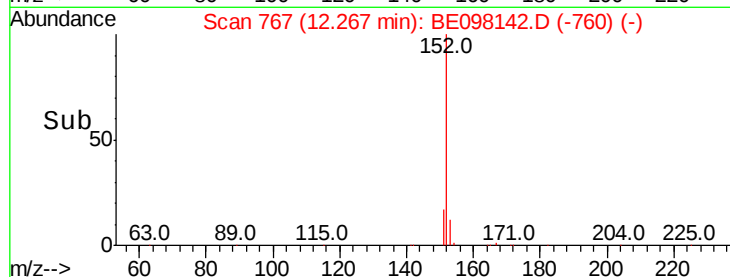
0

12.27

12.20

12.40

Time-->



#12

2-Methylnaphthalene

Concen: 3.185 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

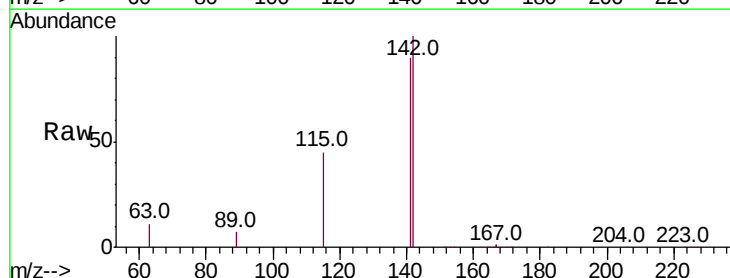
Tgt Ion:142 Resp: 29818

Ion Ratio Lower Upper

142 100

141 89.6 69.8 104.6

115 45.4 30.5 45.7



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

25000

20000

15000

10000

5000

0

12.34

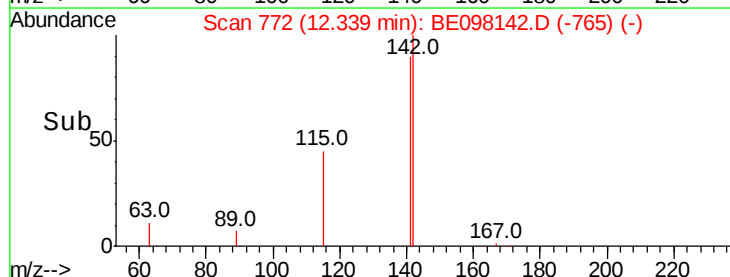
12.25

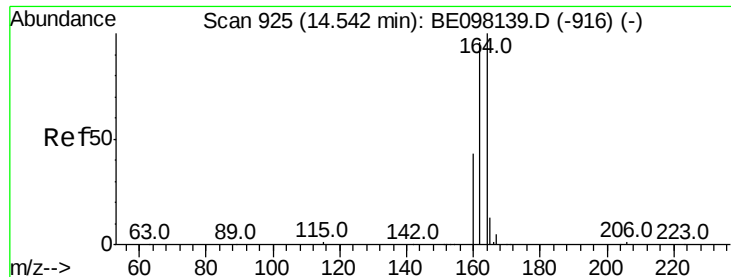
12.30

12.35

12.40

Time-->

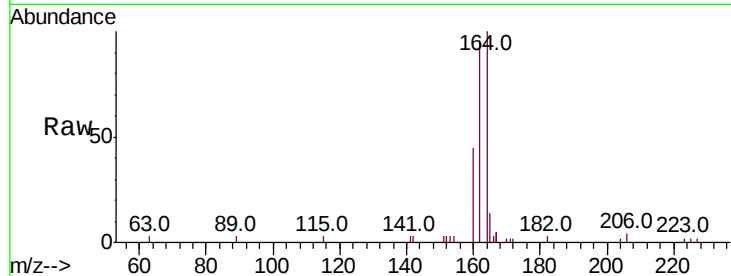




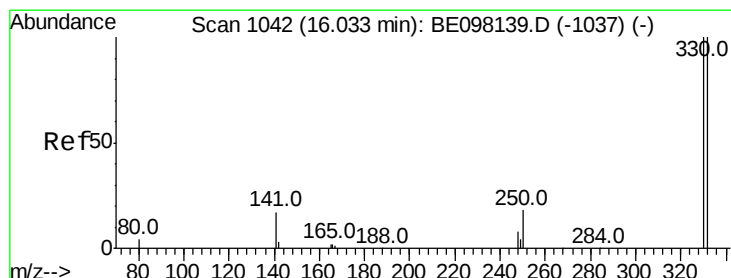
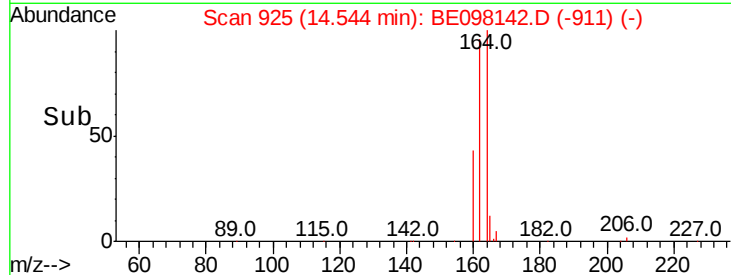
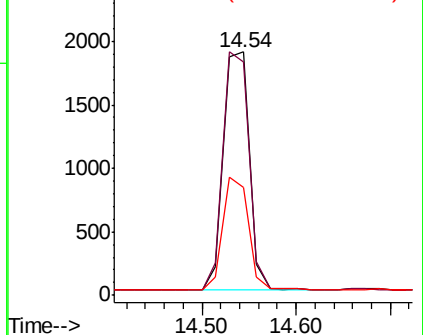
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BE098142.D
 Acq: 1 Nov 2018 12:22

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tot Ion:164 Resp: 3538
 Ion Ratio Lower Upper
 164 100
 162 95.8 77.4 116.2
 160 44.5 36.5 54.7

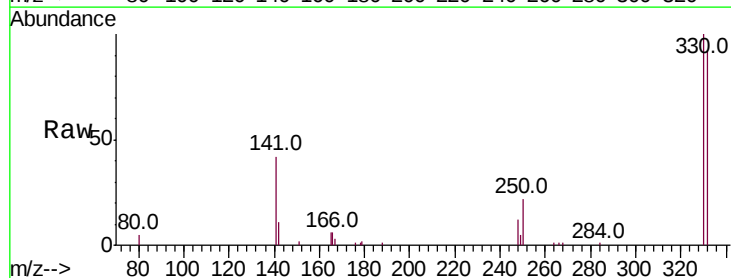


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

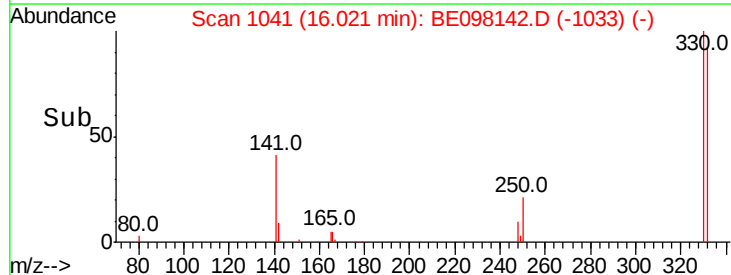
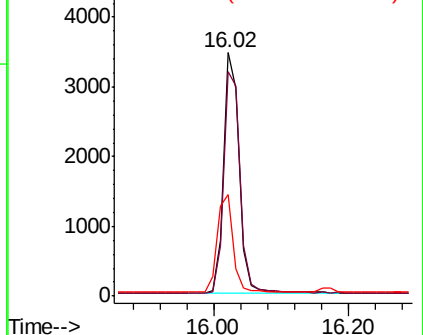


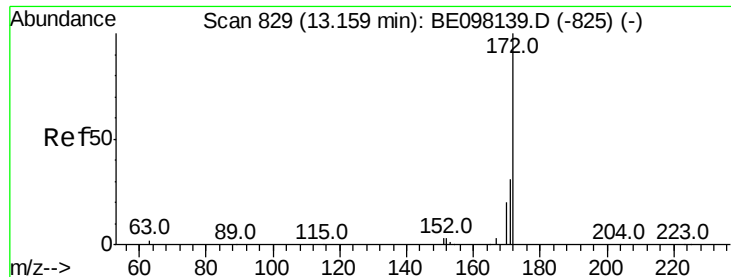
#14
 2,4,6-Tribromophenol
 Concen: 3.182 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BE098142.D
 Acq: 1 Nov 2018 12:22

Tgt Ion:330 Resp: 5669
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.5 114.7
 141 41.5 31.8 47.6



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

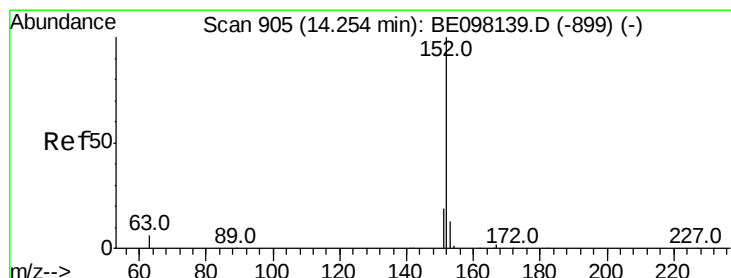
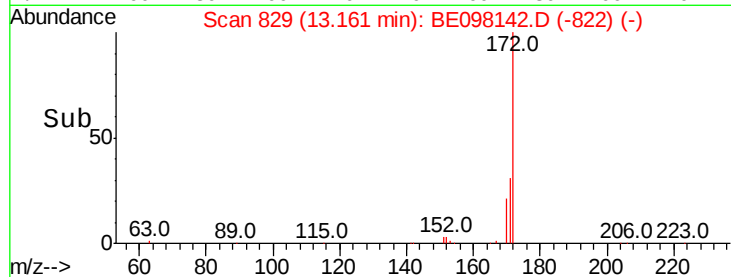
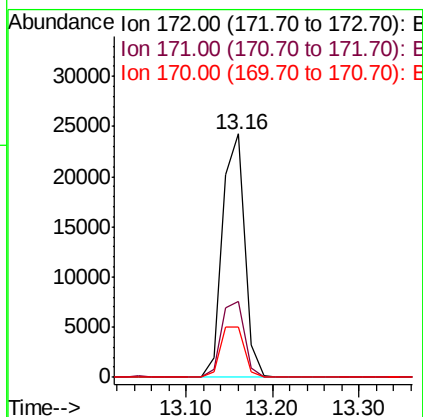
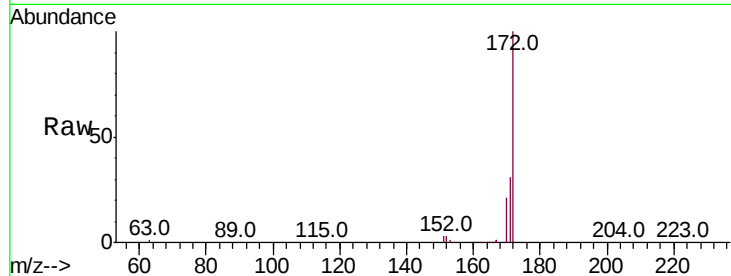




#15
2-Fluorobiphenyl
Concen: 3.000 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098142.D
Acq: 1 Nov 2018 12:22

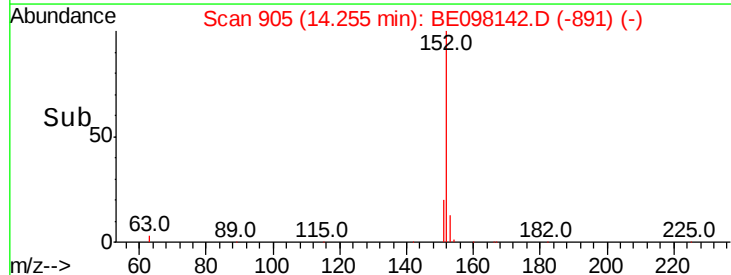
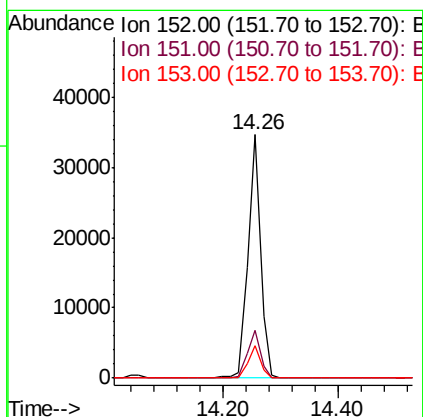
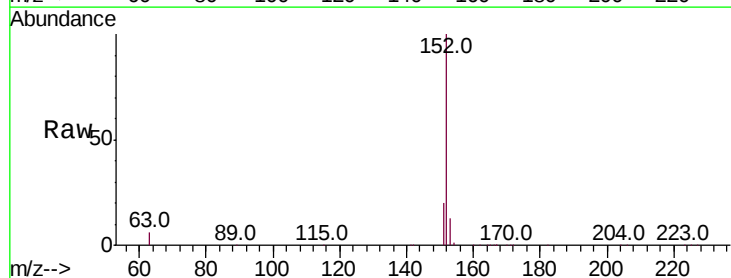
Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

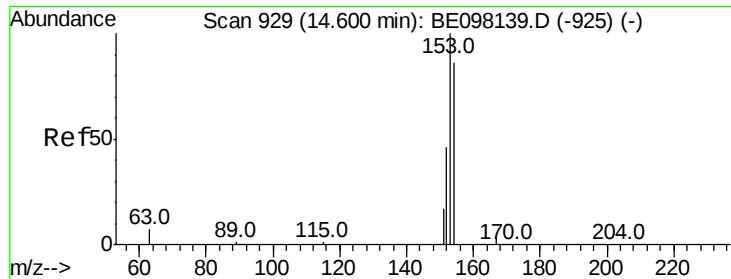
Tot Ion:172 Resp: 42949
Ion Ratio Lower Upper
172 100
171 31.1 26.0 39.0
170 20.9 18.0 27.0



#16
Acenaphthylene
Concen: 3.285 ng
RT: 14.26 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE098142.D
Acq: 1 Nov 2018 12:22

Tgt Ion:152 Resp: 52641
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.0 10.9 16.3





#17

Acenaphthene

Concen: 3.205 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

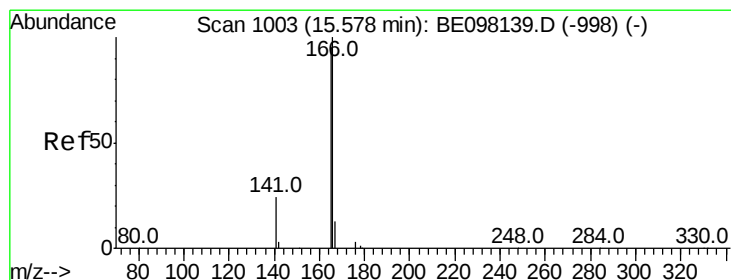
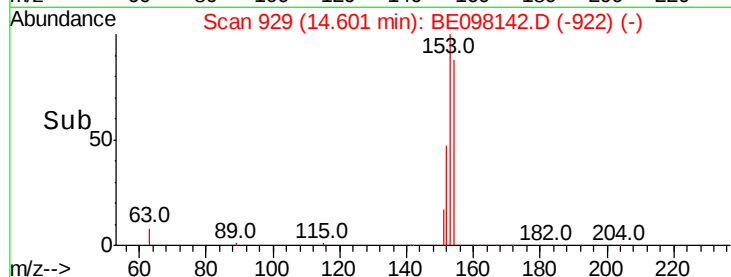
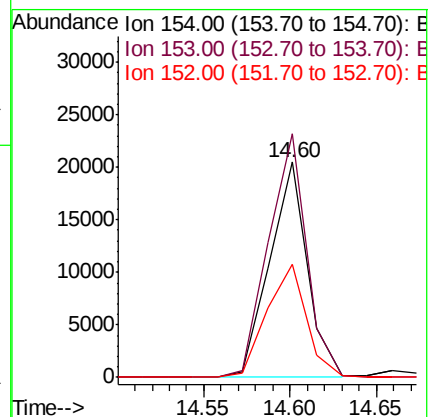
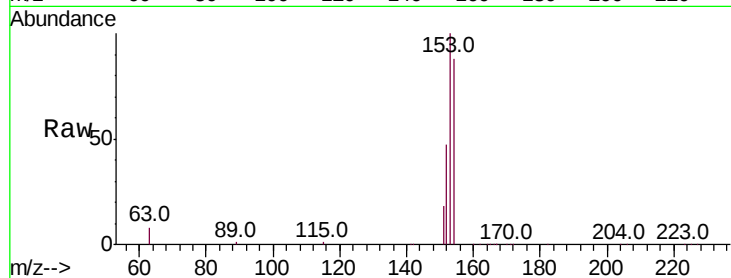
Tot Ion:154 Resp: 31030

Ion Ratio Lower Upper

154 100

153 115.3 92.6 139.0

152 55.2 45.5 68.3



#18

Fluorene

Concen: 3.162 ng

RT: 15.58 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

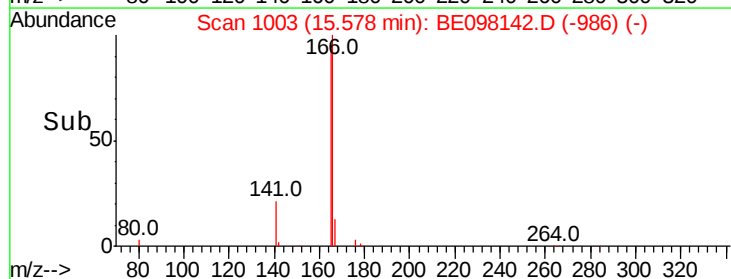
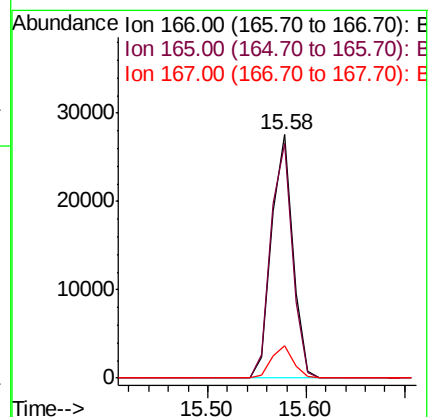
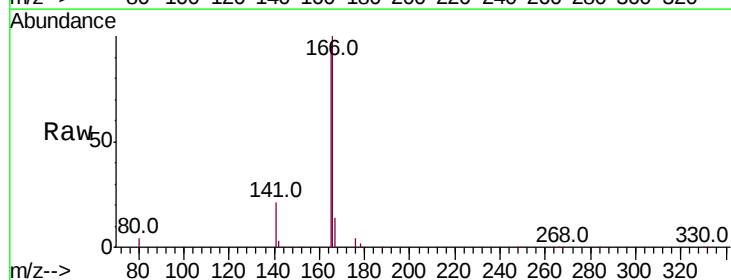
Tgt Ion:166 Resp: 41287

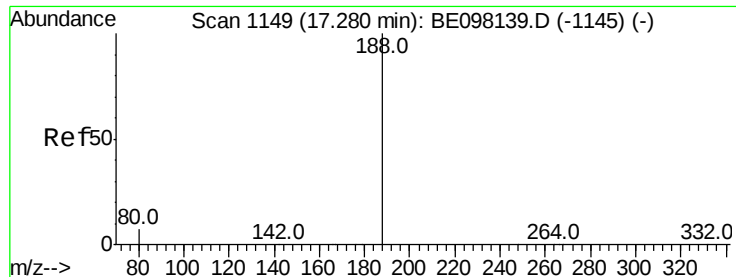
Ion Ratio Lower Upper

166 100

165 98.5 78.2 117.4

167 13.3 11.0 16.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

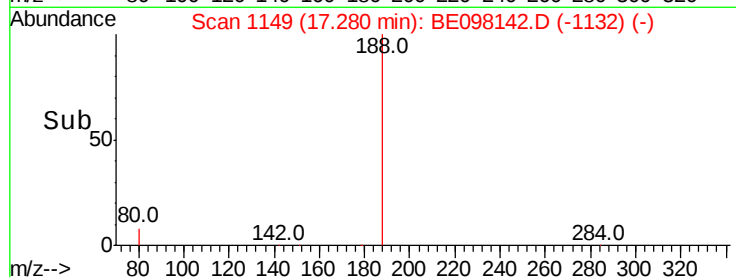
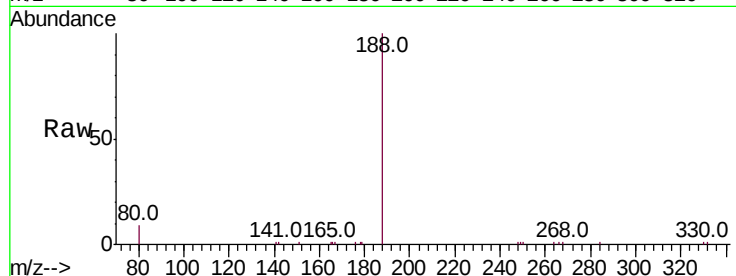
Tot Ion:188 Resp: 7965

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

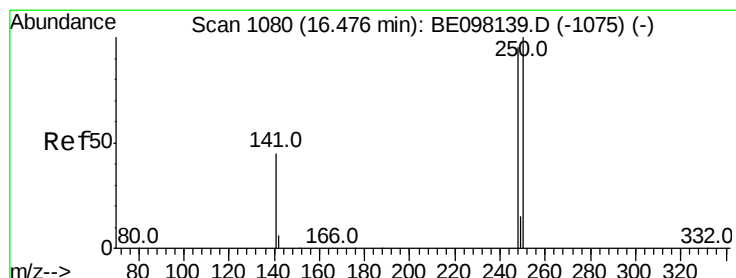
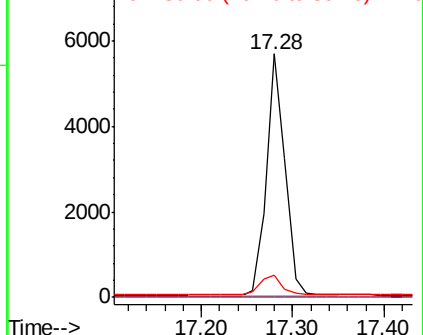
80 8.9 6.3 9.5



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: 3.382 ng

RT: 16.48 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

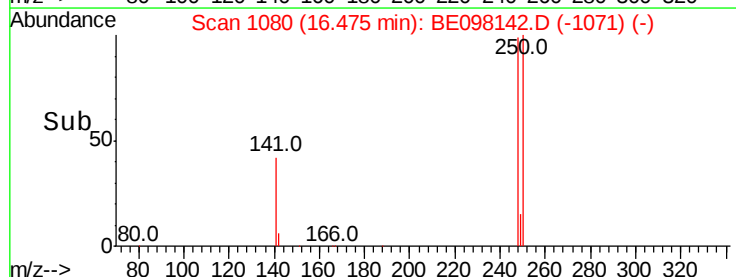
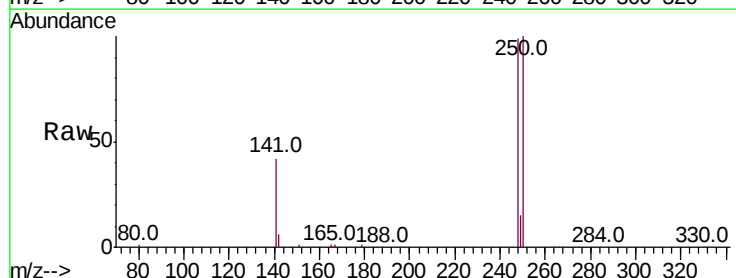
Tgt Ion:248 Resp: 16264

Ion Ratio Lower Upper

248 100

250 100.7 75.1 112.7

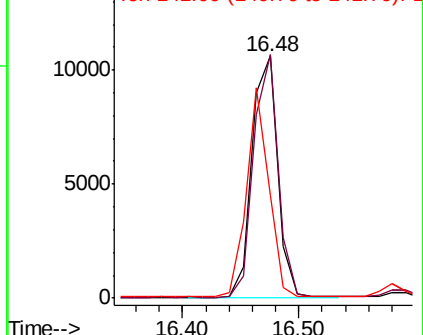
141 42.3 51.8 77.8#

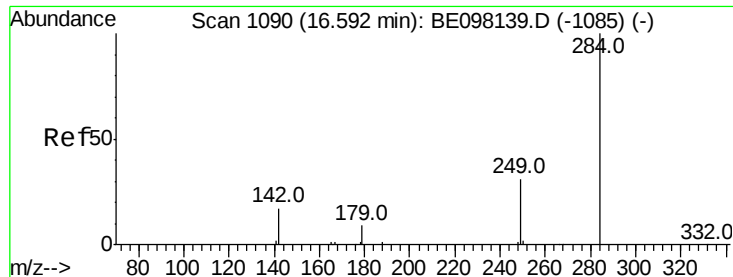


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.329 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

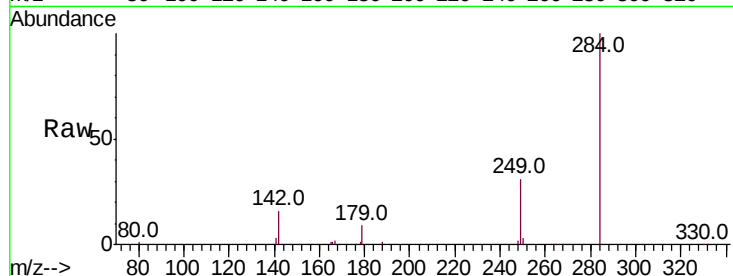
Tot Ion:284 Resp: 16701

Ion Ratio Lower Upper

284 100

142 31.8 25.9 38.9

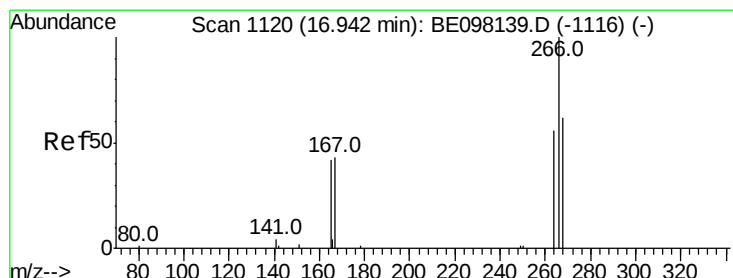
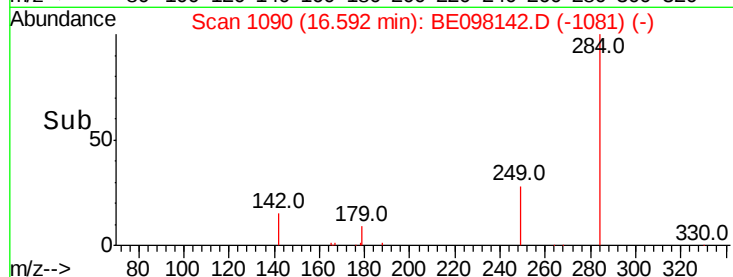
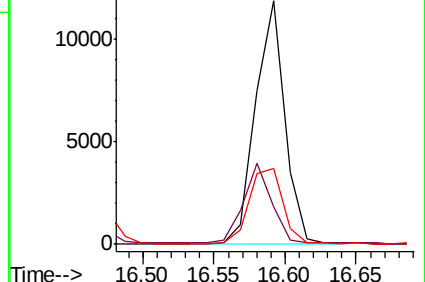
249 35.6 26.6 40.0



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: 11.386 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

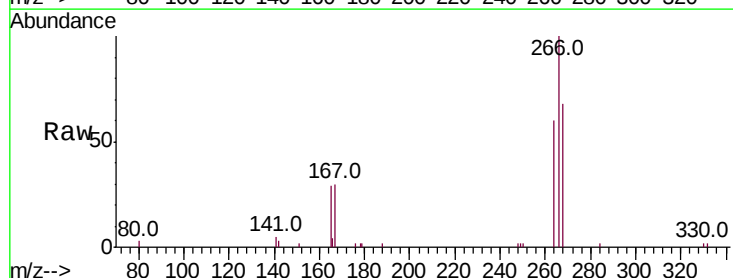
Tgt Ion:266 Resp: 4756

Ion Ratio Lower Upper

266 100

264 60.3 51.3 76.9

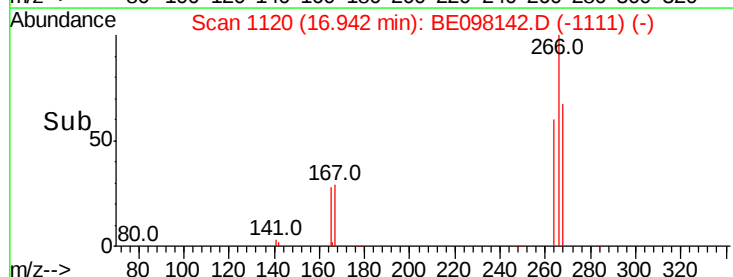
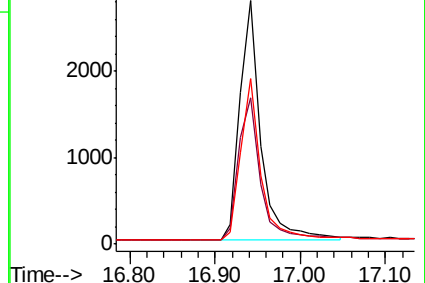
268 67.9 50.1 75.1

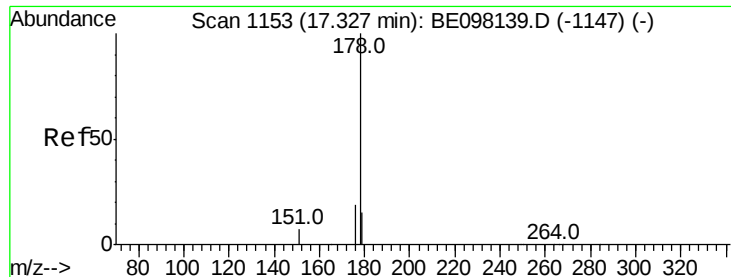


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.301 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

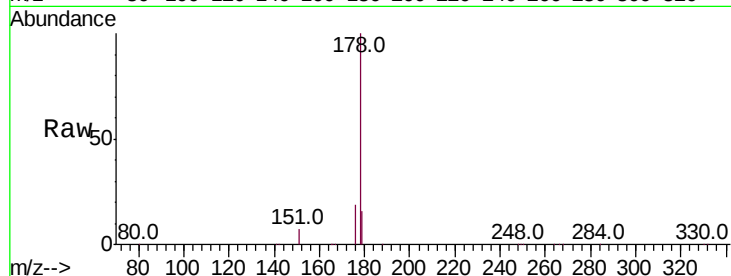
Tot Ion:178 Resp: 64557

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 15.4 12.2 18.4

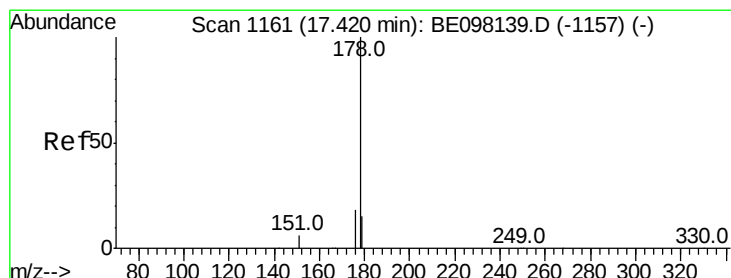
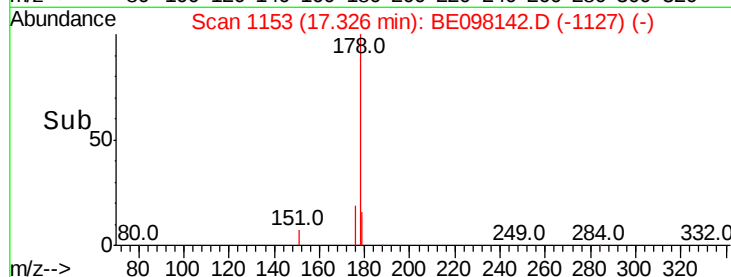
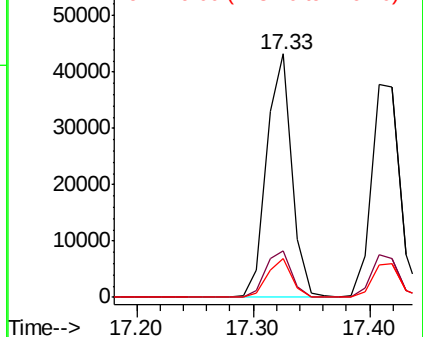


Abundance

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: 3.319 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

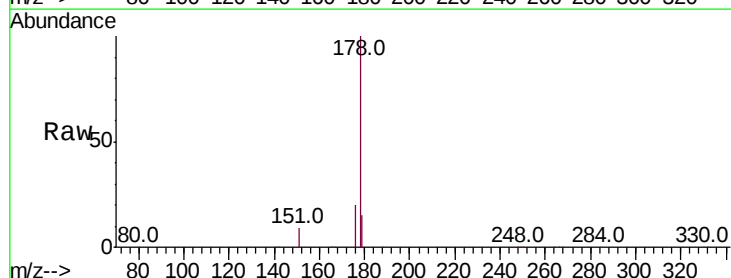
Tgt Ion:178 Resp: 63701

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

179 15.2 11.9 17.9

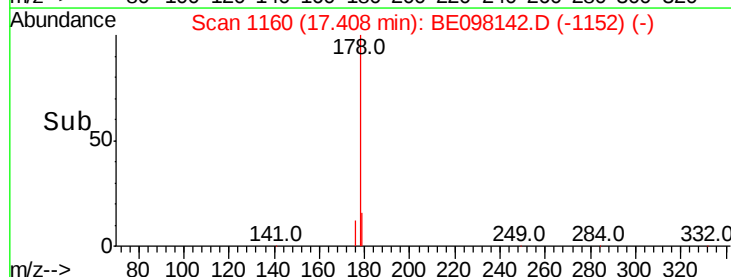
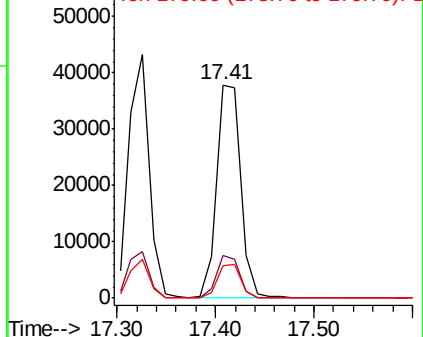


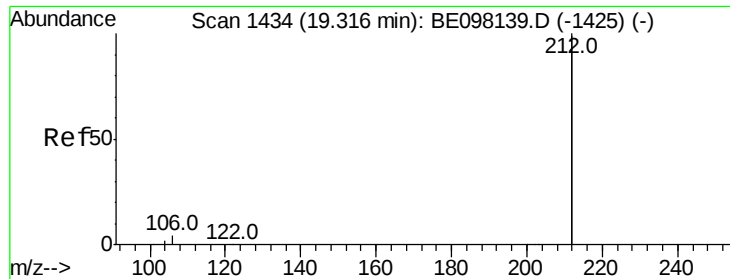
Abundance

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: 3.251 ng

RT: 19.31 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

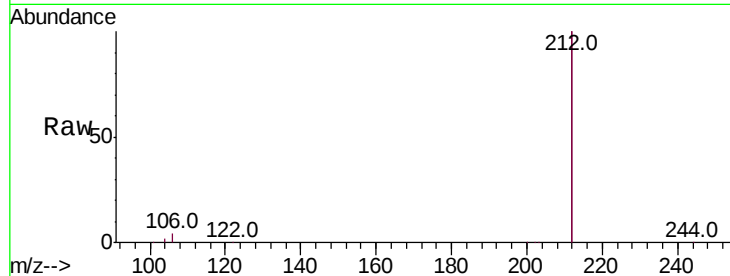
Tot Ion:212 Resp: 332063

Ion Ratio Lower Upper

212 100

106 2.1 2.3 3.5#

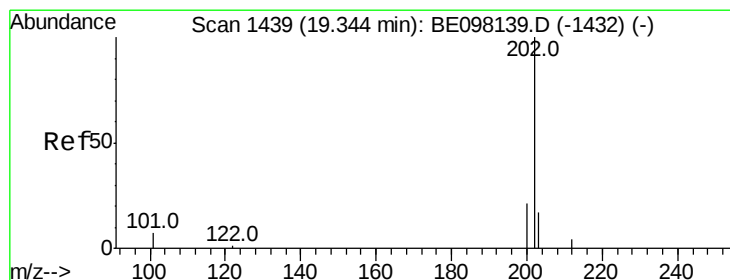
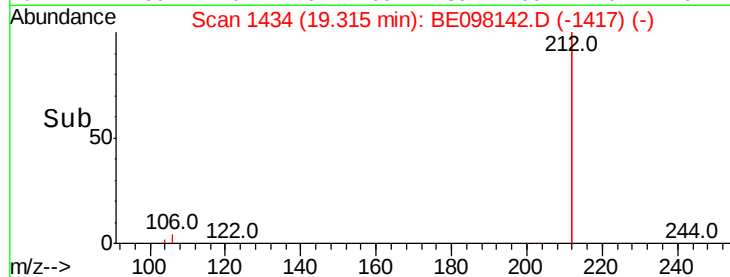
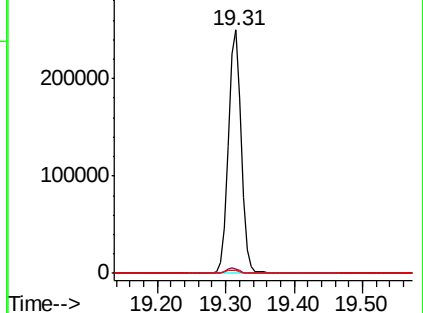
104 1.2 1.3 1.9#



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: 3.319 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

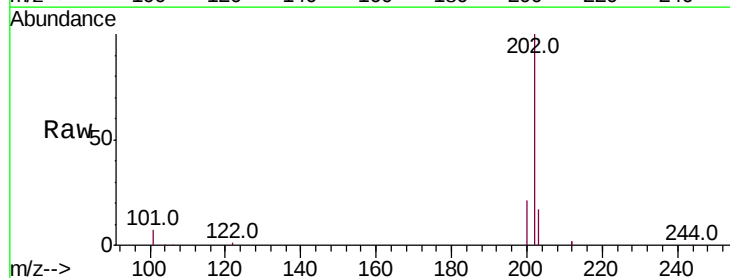
Tgt Ion:202 Resp: 80880

Ion Ratio Lower Upper

202 100

101 8.2 8.2 12.2#

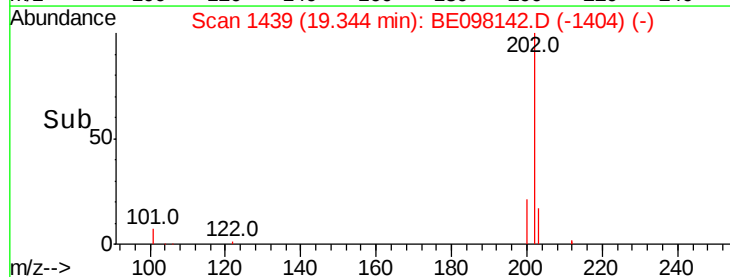
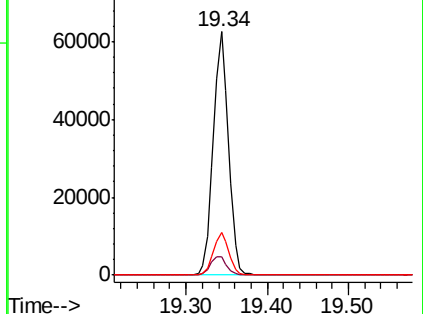
203 17.4 15.0 22.4

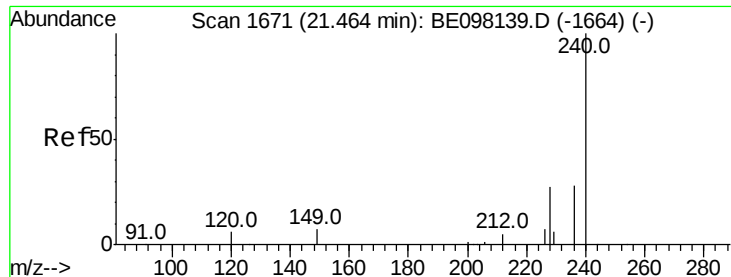


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

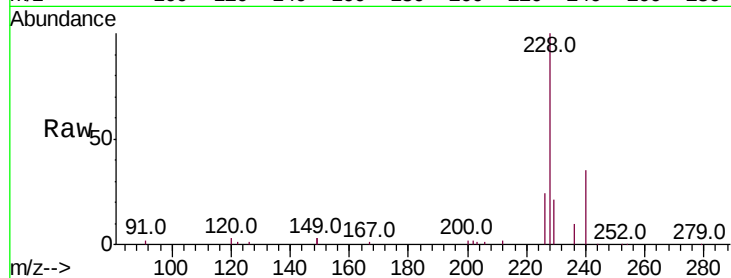
Tot Ion:240 Resp: 9380

Ion Ratio Lower Upper

240 100

120 8.7 7.1 10.7

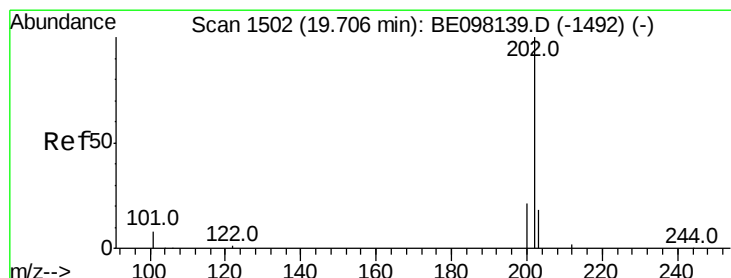
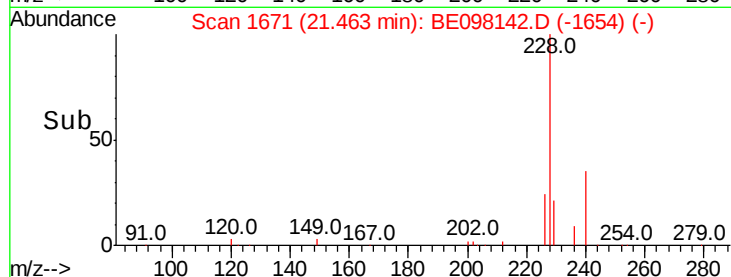
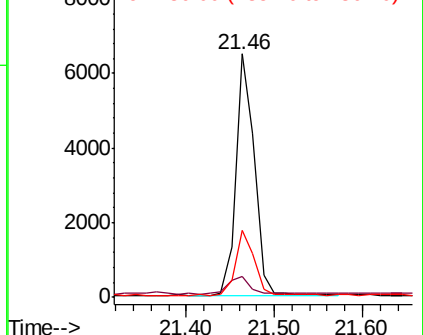
236 27.4 21.3 31.9



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: 3.228 ng

RT: 19.71 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

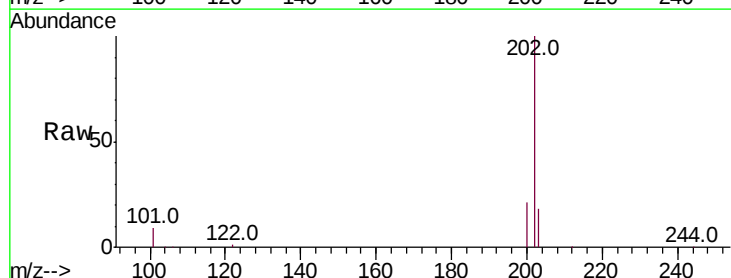
Tgt Ion:202 Resp: 83611

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

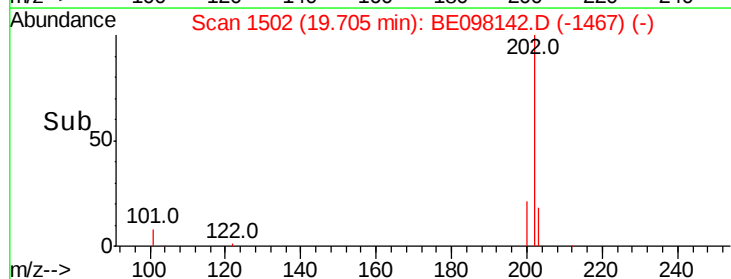
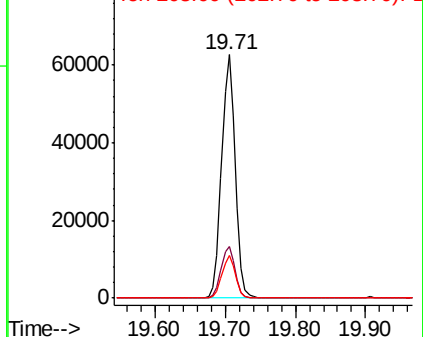
203 17.4 14.2 21.4

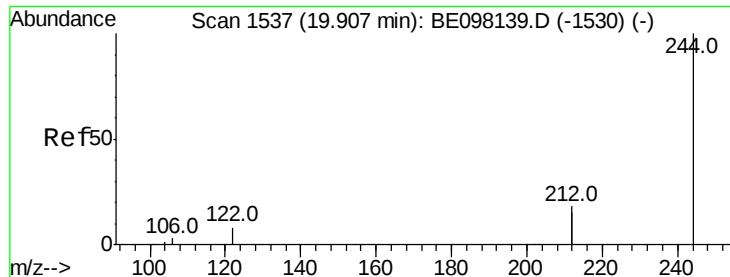


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.121 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

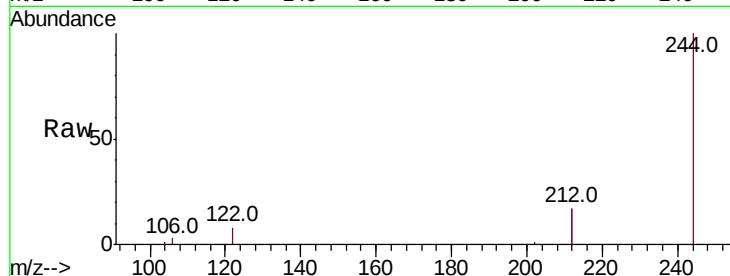
Tot Ion:244 Resp: 68974

Ion Ratio Lower Upper

244 100

212 33.8 26.2 39.2

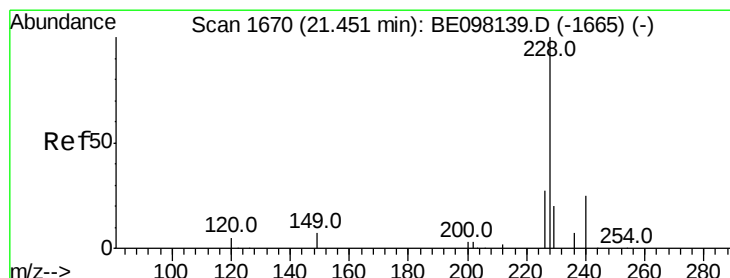
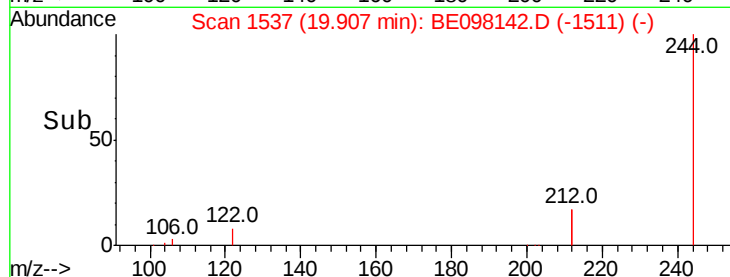
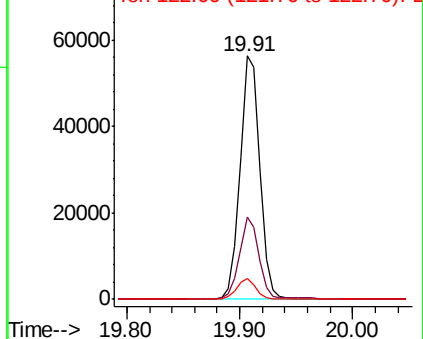
122 8.5 7.7 11.5



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: 3.188 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

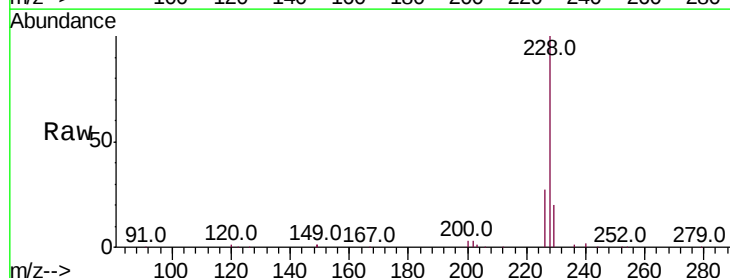
Tgt Ion:228 Resp: 88356

Ion Ratio Lower Upper

228 100

226 26.5 22.6 33.8

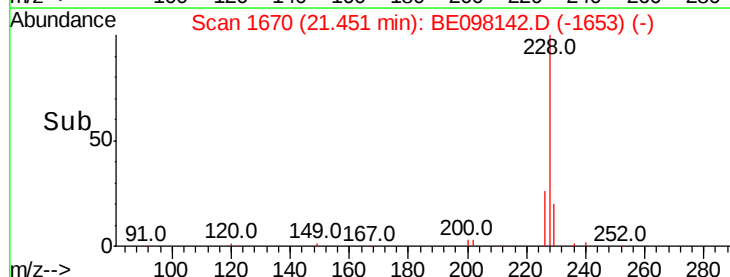
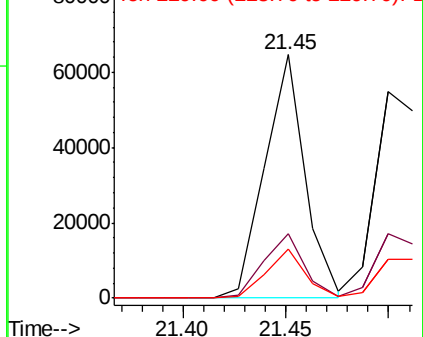
229 20.0 16.9 25.3

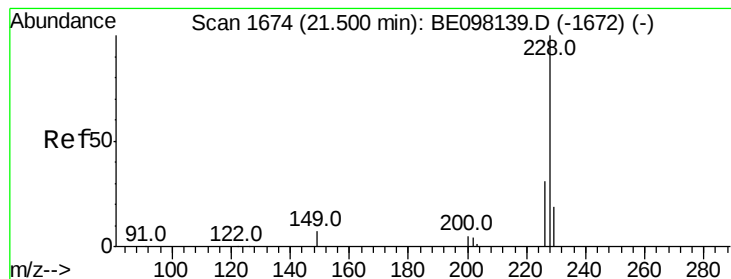


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 3.246 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

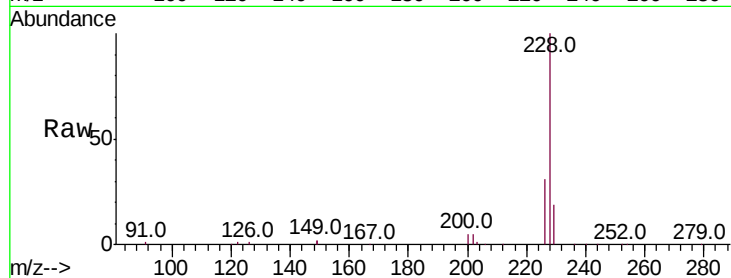
Tot Ion:228 Resp: 87402

Ion Ratio Lower Upper

228 100

226 31.4 24.3 36.5

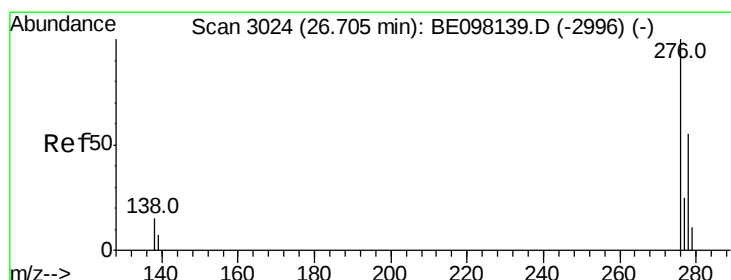
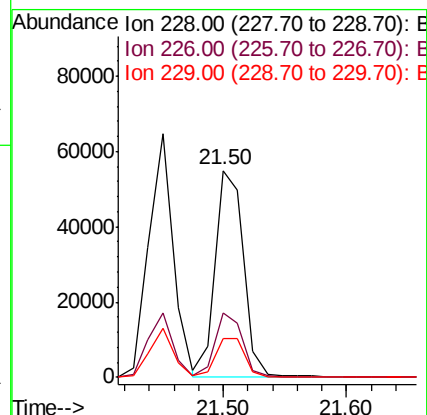
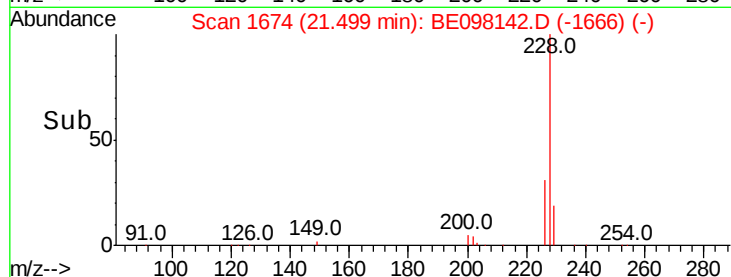
229 19.1 17.3 25.9



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 3.175 ng

RT: 26.70 min Scan# 3024

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

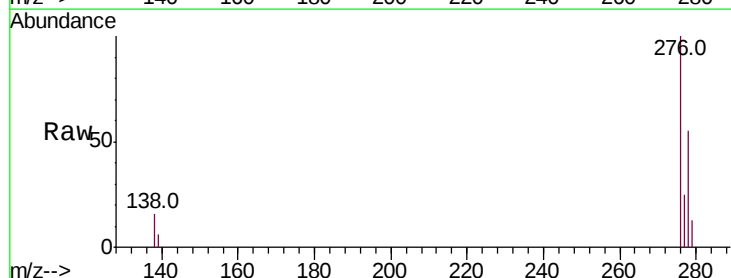
Tgt Ion:276 Resp: 93411

Ion Ratio Lower Upper

276 100

138 16.3 17.0 25.6#

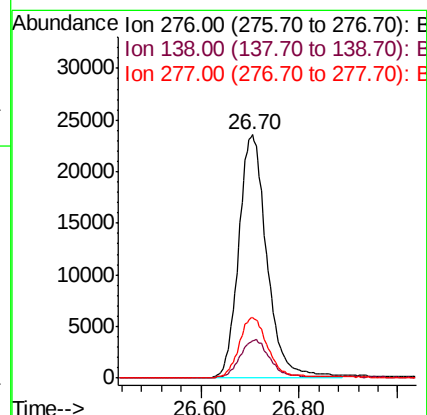
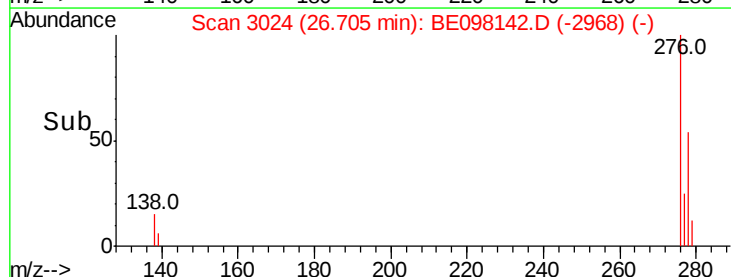
277 25.0 20.5 30.7

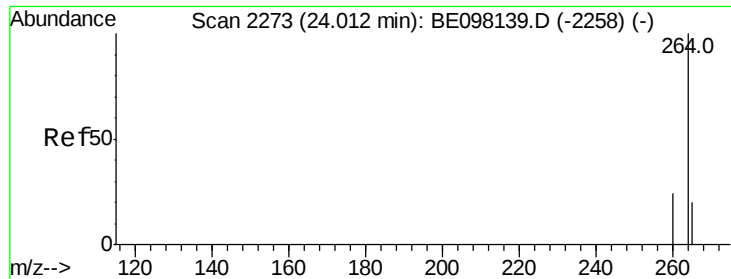


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

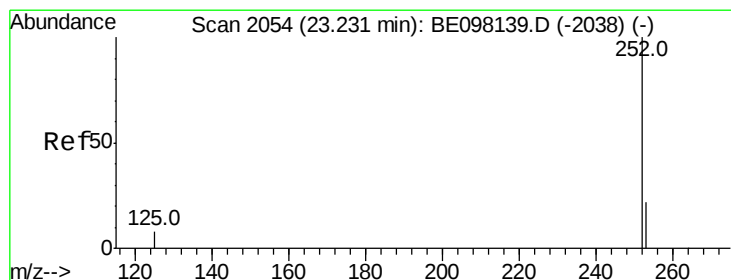
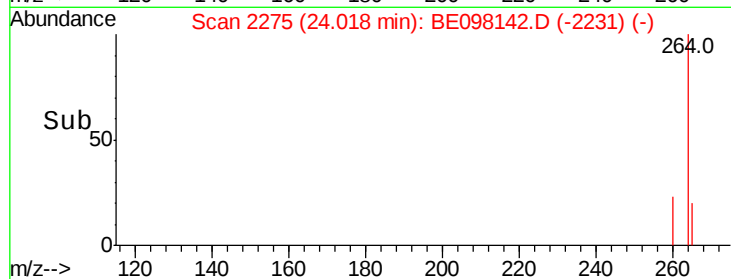
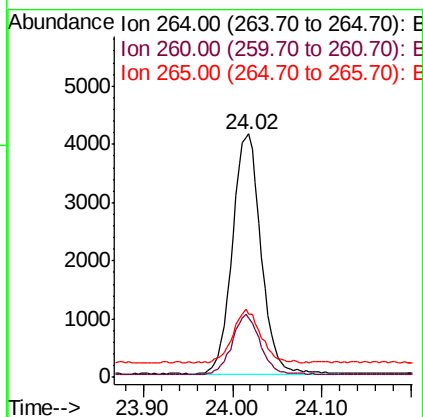
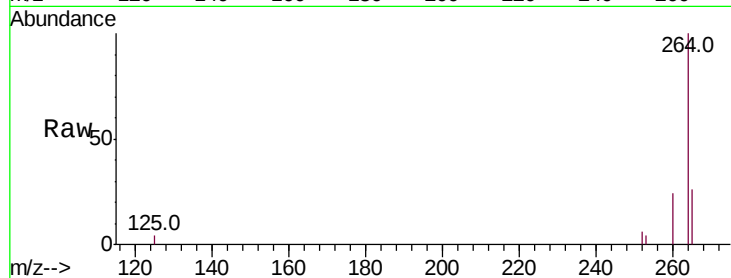




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BE098142.D
Acq: 1 Nov 2018 12:22

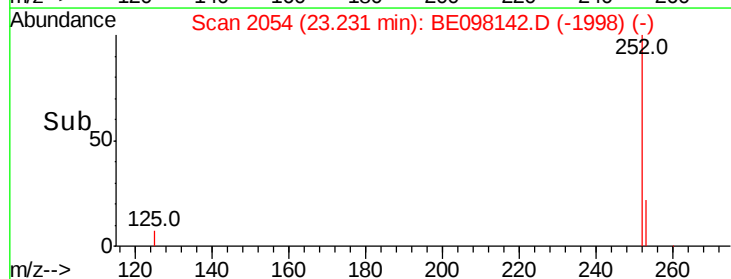
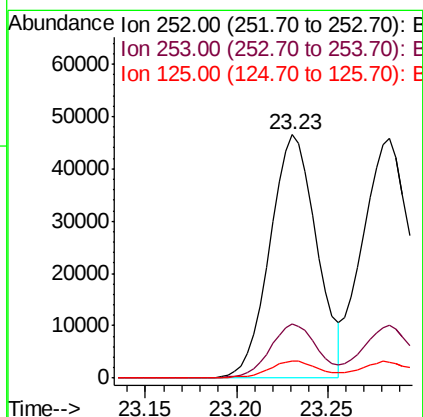
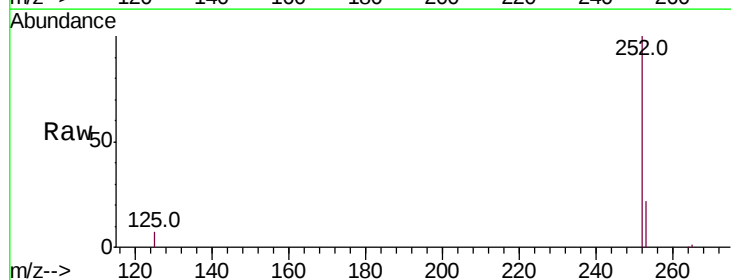
Instrument :
BNA_E
ClientSampled :
SSTDICC3.2

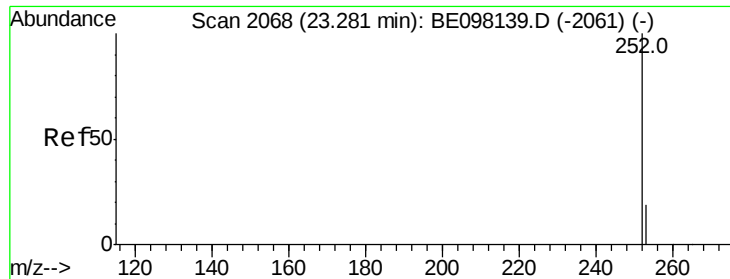
Tot Ion:264 Resp: 9184
Ion Ratio Lower Upper
264 100
260 24.4 21.1 31.7
265 26.1 29.2 43.8#



#35
Benzo(b)fluoranthene
Concen: 3.234 ng
RT: 23.23 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BE098142.D
Acq: 1 Nov 2018 12:22

Tgt Ion:252 Resp: 82480
Ion Ratio Lower Upper
252 100
253 22.1 20.6 31.0
125 6.9 14.3 21.5#

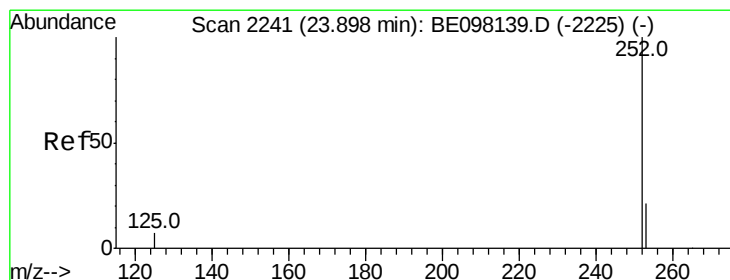
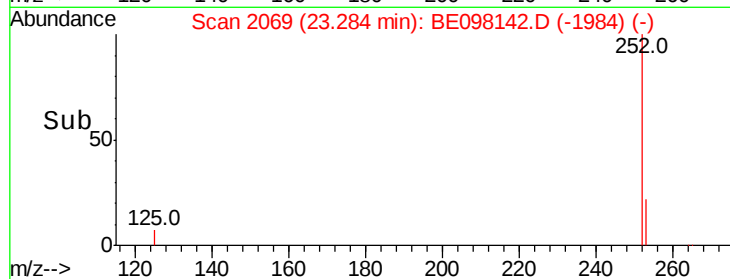
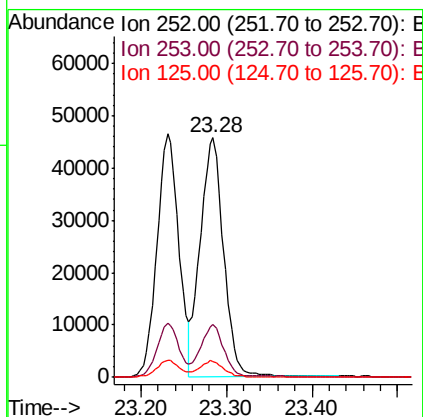
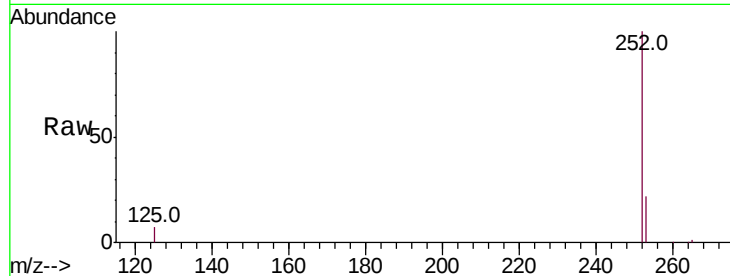




#36
Benzo(k)fluoranthene
Concen: 3.274 ng
RT: 23.28 min Scan# 2069
Delta R.T. 0.00 min
Lab File: BE098142.D
Acq: 1 Nov 2018 12:22

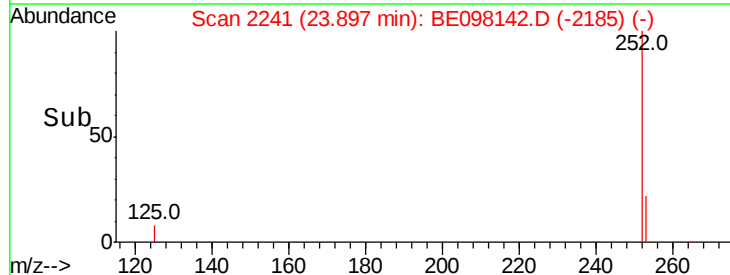
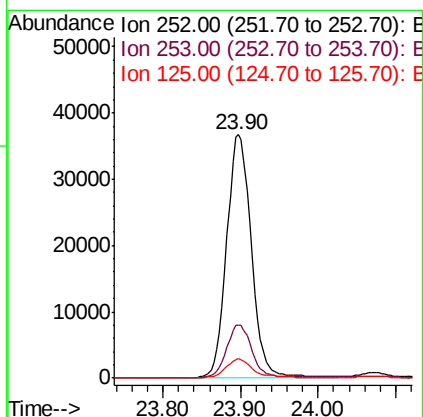
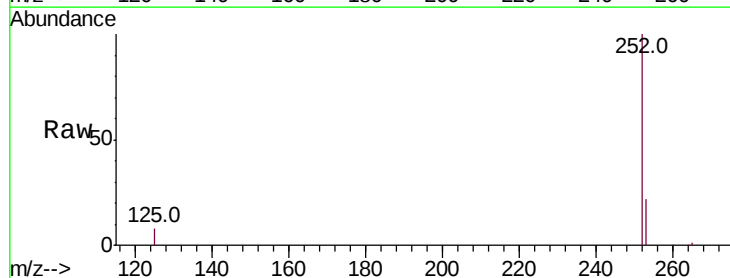
Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

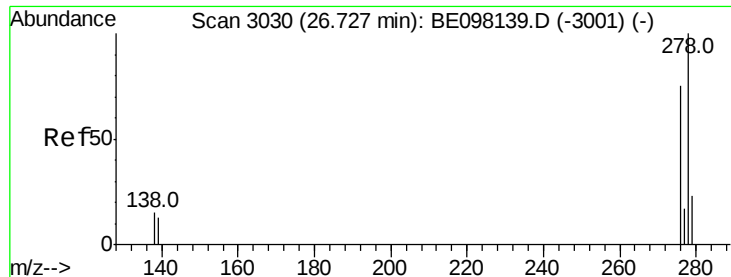
Tot Ion:252 Resp: 86810
Ion Ratio Lower Upper
252 100
253 22.1 20.4 30.6
125 6.8 14.6 21.8#



#37
Benzo(a)pyrene
Concen: 3.218 ng
RT: 23.90 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BE098142.D
Acq: 1 Nov 2018 12:22

Tgt Ion:252 Resp: 80672
Ion Ratio Lower Upper
252 100
253 22.0 20.6 31.0
125 7.9 15.6 23.4#





#38

Dibenzo(a,h)anthracene

Concen: 3.204 ng

RT: 26.73 min Scan# 3030

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

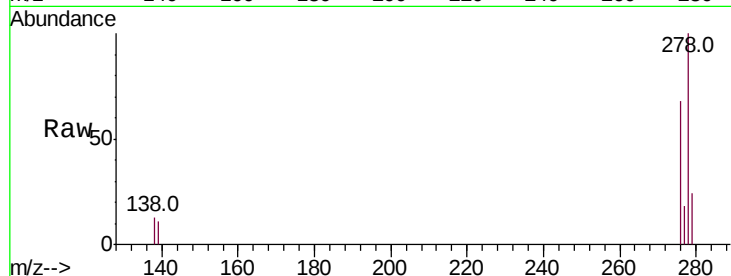
Tot Ion:278 Resp: 78263

Ion Ratio Lower Upper

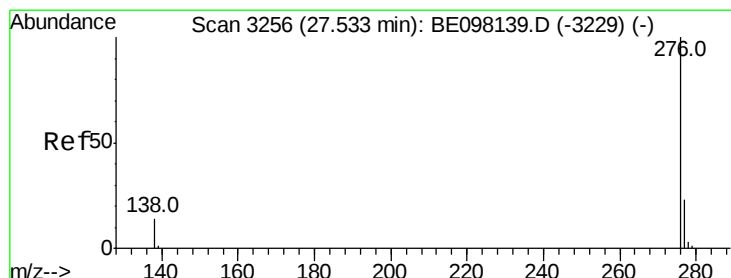
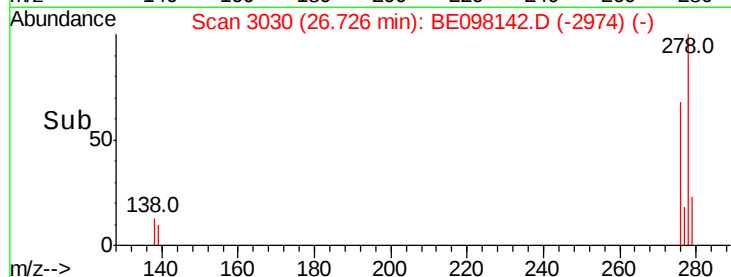
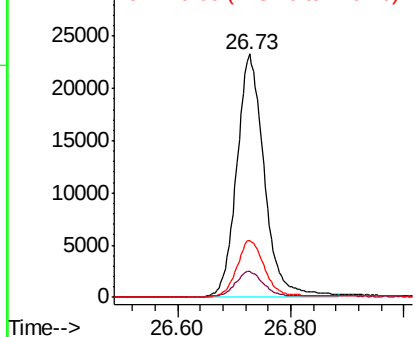
278 100

139 10.8 16.3 24.5#

279 23.6 21.4 32.2



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: 3.162 ng

RT: 27.53 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BE098142.D

Acq: 1 Nov 2018 12:22

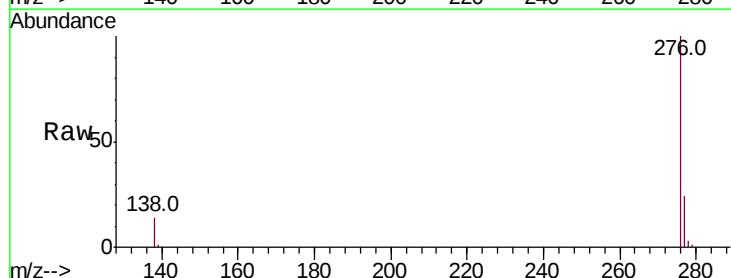
Tgt Ion:276 Resp: 76580

Ion Ratio Lower Upper

276 100

277 23.8 22.1 33.1

138 14.3 19.3 28.9#



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

