

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE011519\
 Data File : BE098622.D
 Acq On : 15 Jan 2019 11:32
 Operator : SJ/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSTDICC0.2

Quant Time: Jan 15 13:08:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 15 12:58:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1126	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	5140	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3345	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	8145	0.40	ng	0.00
27) Chrysene-d12	21.41	240	9143	0.40	ng	0.00
34) Perylene-d12	23.93	264	9140	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	607	0.23	ng	0.00
5) Phenol-d6	7.00	99	903	0.24	ng	0.00
8) Nitrobenzene-d5	8.98	82	762	0.16	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	1749	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	280	0.23	ng	0.01
15) 2-Fluorobiphenyl	13.09	172	3079	0.22	ng	0.00
25) Fluoranthene-d10	19.26	212	20509	0.20	ng	0.00
29) Terphenyl-d14	19.86	244	4245	0.19	ng	0.00

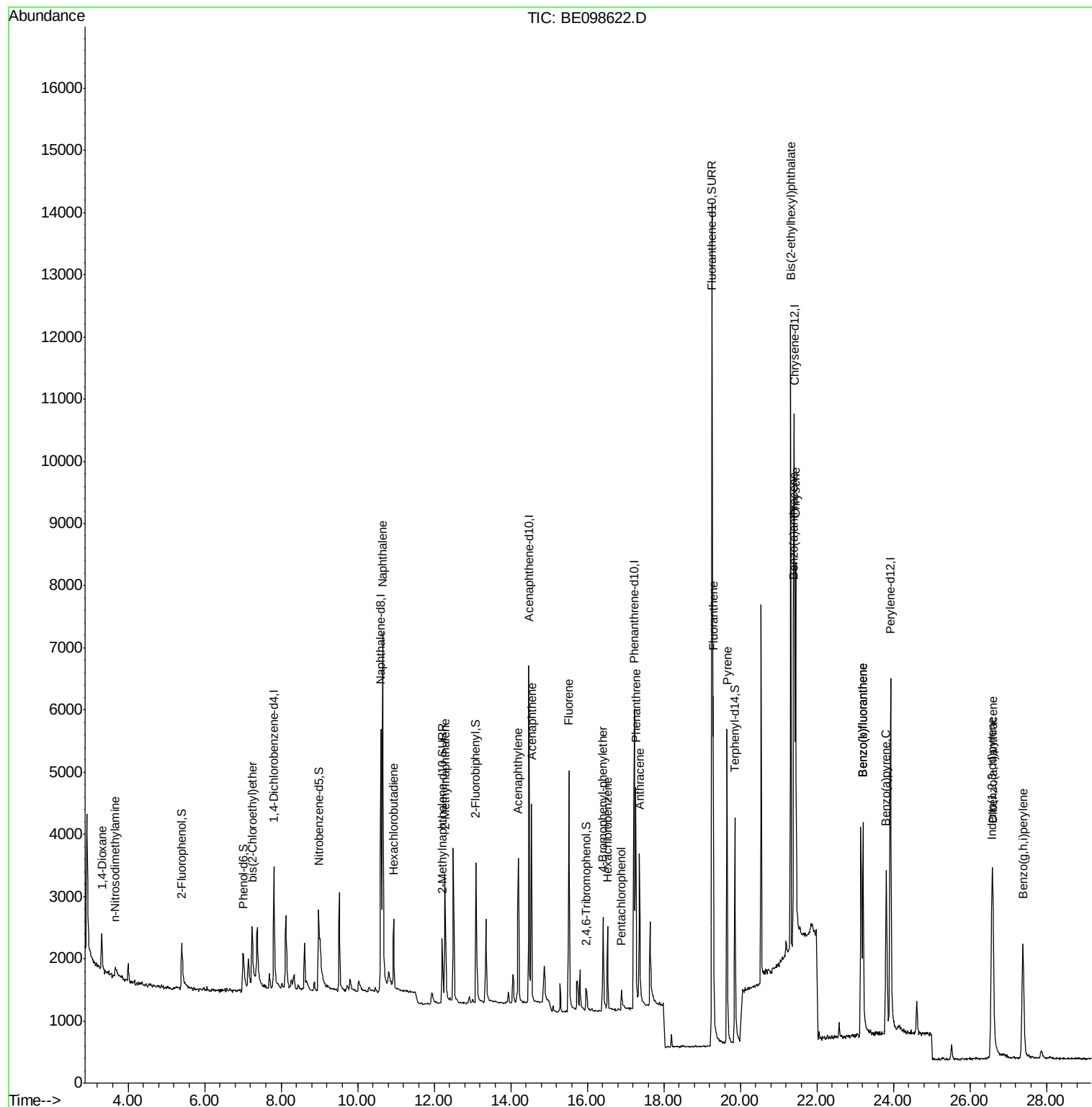
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	548	0.281	ng	# 79
3) n-Nitrosodimethylamine	3.66	42	229	0.131	ng	# 97
6) bis(2-Chloroethyl)ether	7.24	93	591	0.167	ng	89
9) Naphthalene	10.65	128	10787	0.209	ng	99
10) Hexachlorobutadiene	10.94	225	791	0.240	ng	98
12) 2-Methylnaphthalene	12.28	142	1738	0.207	ng	97
16) Acenaphthylene	14.20	152	3005	0.192	ng	99
17) Acenaphthene	14.54	154	1866	0.198	ng	98
18) Fluorene	15.51	166	2440	0.194	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	815	0.186	ng	# 81
21) Hexachlorobenzene	16.53	284	1085	0.230	ng	97
22) Pentachlorophenol	16.89	266	257	0.276	ng	95
23) Phenanthrene	17.27	178	3890	0.197	ng	100
24) Anthracene	17.36	178	3149	0.178	ng	99
26) Fluoranthene	19.29	202	5003	0.191	ng	99
28) Pyrene	19.65	202	5287	0.184	ng	99
30) Benzo(a)anthracene	21.39	228	5050	0.194	ng	96
31) Chrysene	21.45	228	5389	0.198	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	10578	0.200	ng	100
33) Indeno(1,2,3-cd)pyrene	26.57	276	5466	0.201	ng	97
35) Benzo(b)fluoranthene	23.21	252	5524	0.221	ng	95
36) Benzo(k)fluoranthene	23.21	252	5524	0.190	ng	# 93
37) Benzo(a)pyrene	23.81	252	4914	0.191	ng	# 96
38) Dibenzo(a,h)anthracene	26.60	278	4183	0.172	ng	# 92
39) Benzo(g,h,i)perylene	27.39	276	4842	0.198	ng	95

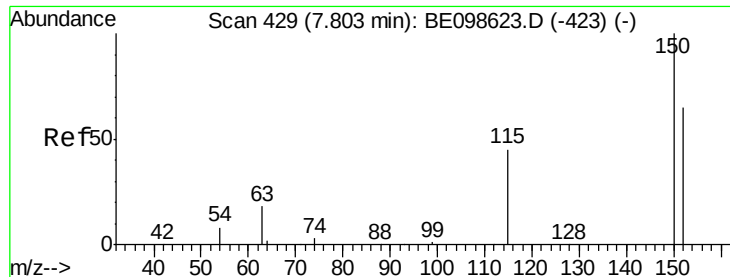
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

SSTDIC0.2

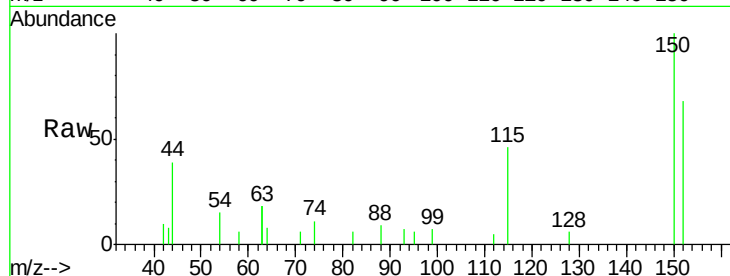
Tgt Ion: 152 Resp: 1126

Ion Ratio Lower Upper

152 100

150 147.2 121.4 182.2

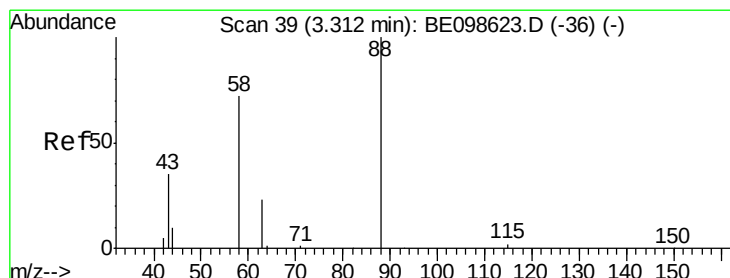
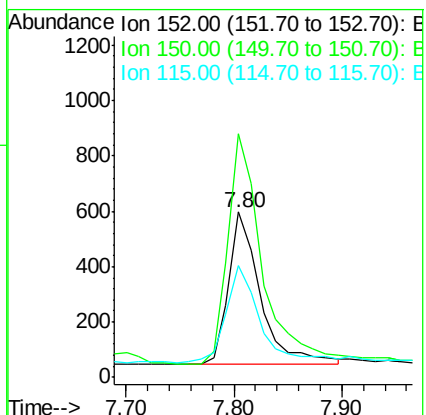
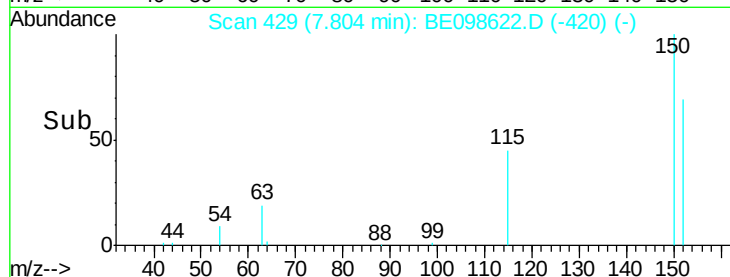
115 67.8 59.1 88.7



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: 0.281 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

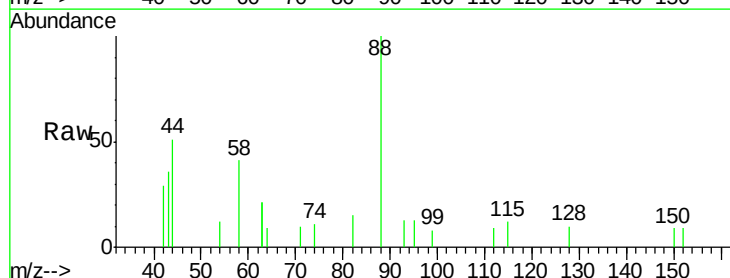
Tgt Ion: 88 Resp: 548

Ion Ratio Lower Upper

88 100

58 70.4 73.9 110.9#

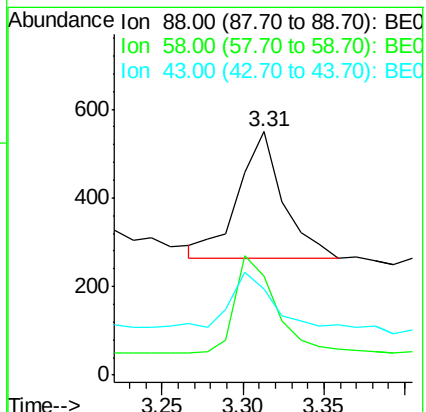
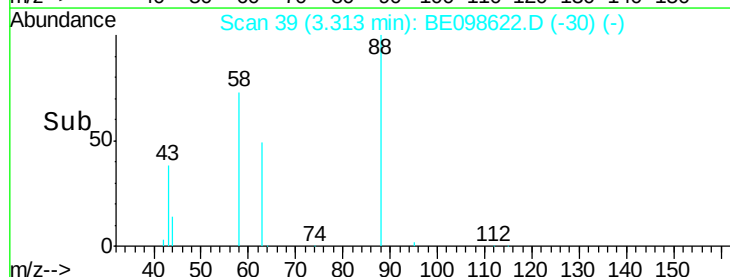
43 41.8 43.7 65.5#

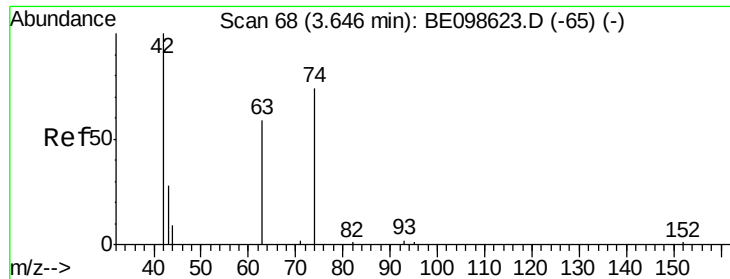


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.131 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.01 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

SSTDICC0.2

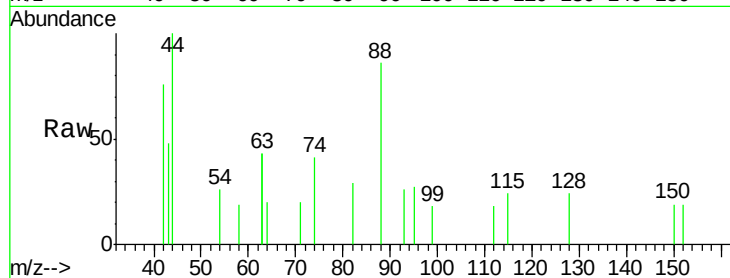
Tgt Ion: 42 Resp: 229

Ion Ratio Lower Upper

42 100

74 76.0 58.9 88.3

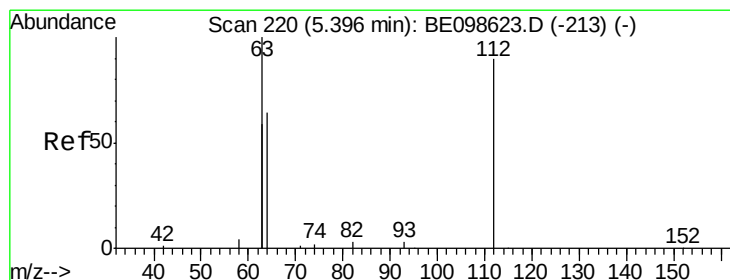
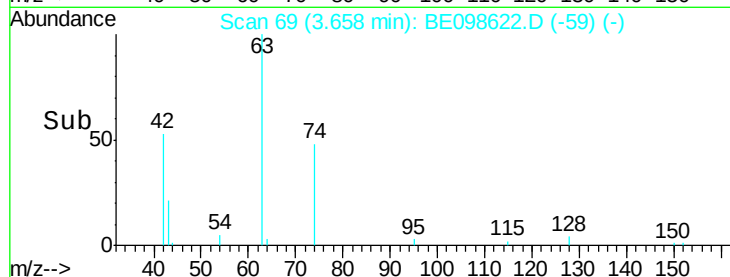
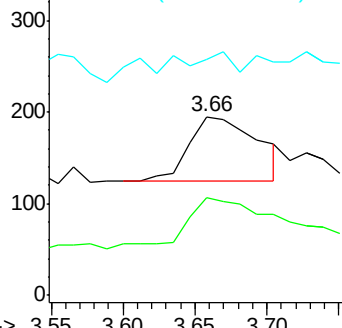
44 24.9 0.0 0.0#



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: 0.230 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

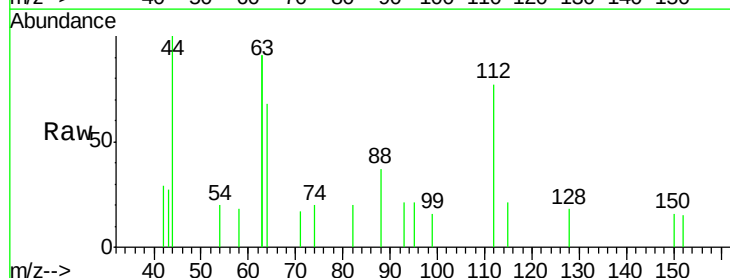
Tgt Ion: 112 Resp: 607

Ion Ratio Lower Upper

112 100

64 87.8 62.9 94.3

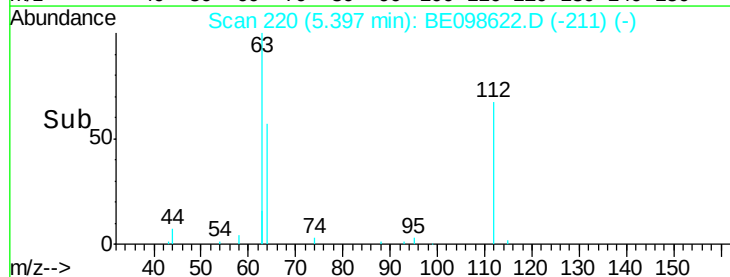
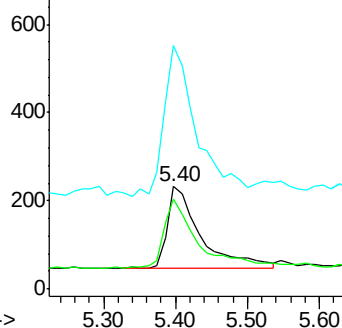
63 180.1 152.2 228.4

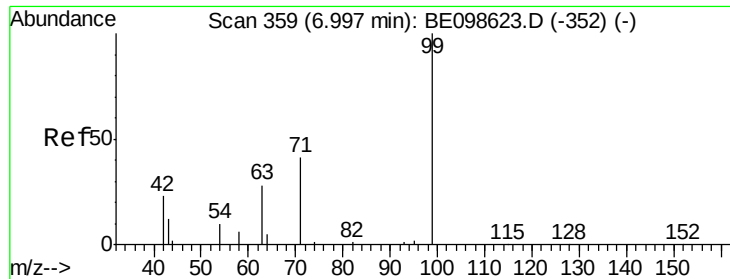


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.242 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

SSTDIC0.2

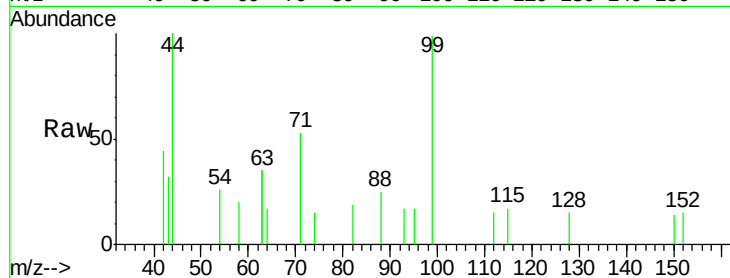
Tgt Ion: 99 Resp: 903

Ion Ratio Lower Upper

99 100

42 30.8 24.6 37.0

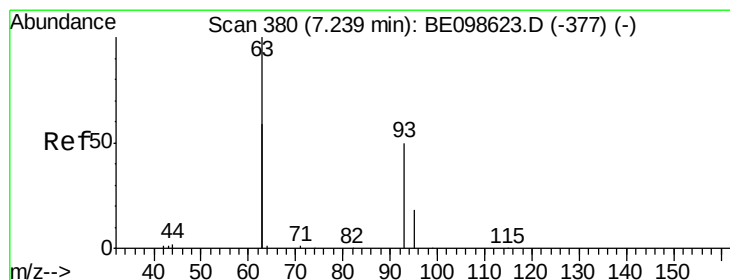
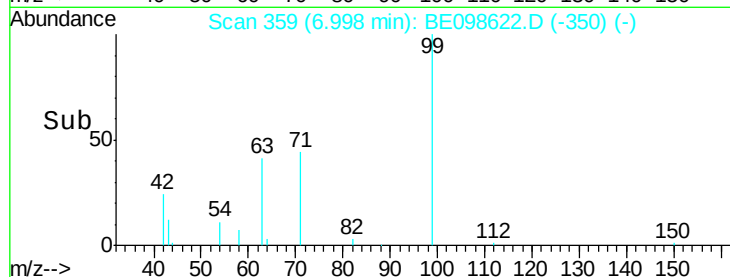
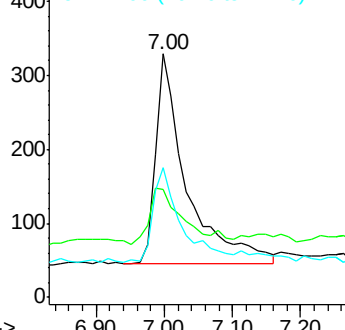
71 42.2 35.1 52.7



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.167 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

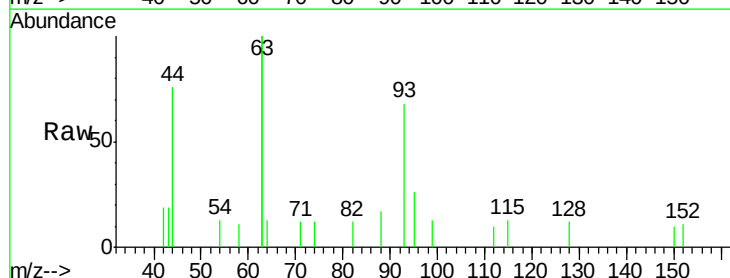
Tgt Ion: 93 Resp: 591

Ion Ratio Lower Upper

93 100

63 358.2 267.3 400.9

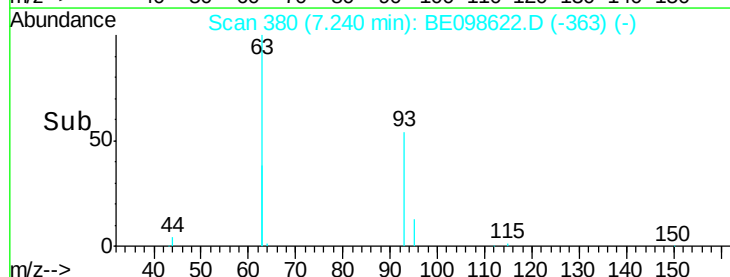
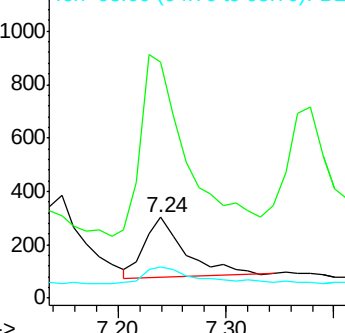
95 36.0 26.2 39.4

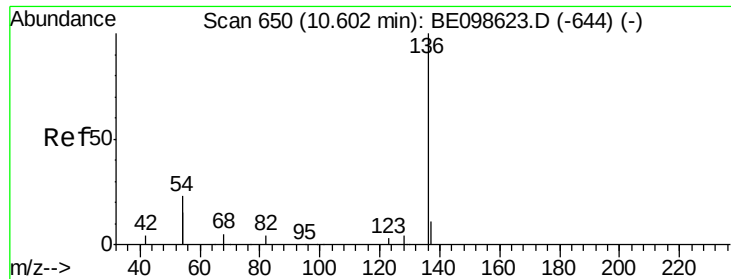


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

SSTDIC0.2

Tgt Ion:136 Resp: 5140

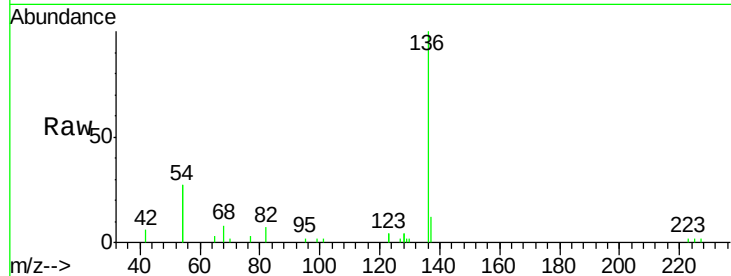
Ion Ratio Lower Upper

136 100

137 12.4 9.7 14.5

54 53.8 35.5 53.3#

68 8.1 5.0 7.6#

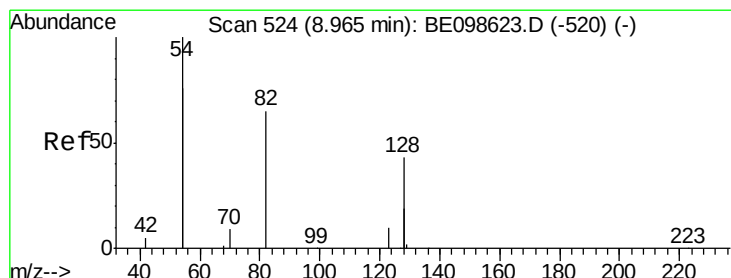
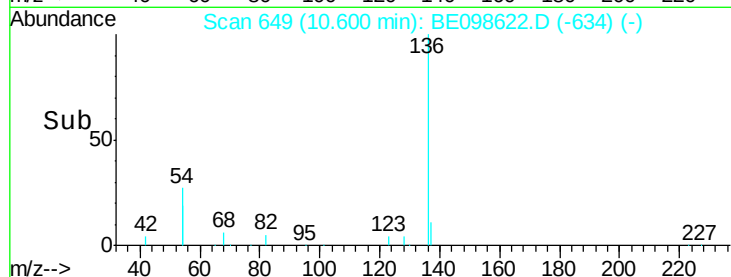
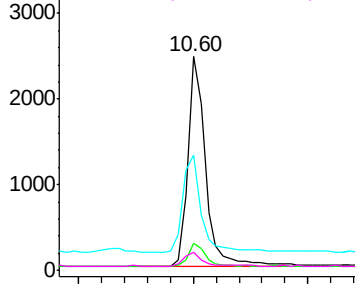


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.163 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

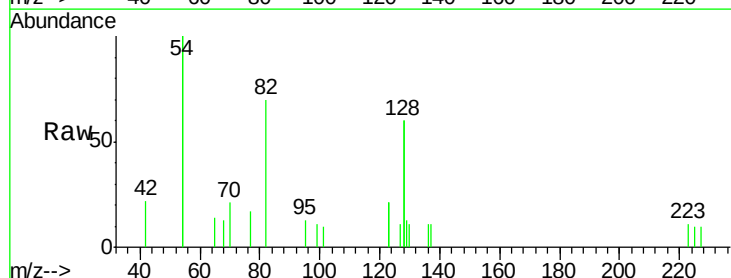
Tgt Ion: 82 Resp: 762

Ion Ratio Lower Upper

82 100

128 172.9 96.5 144.7#

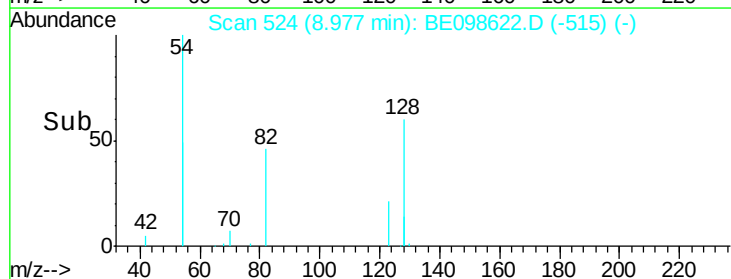
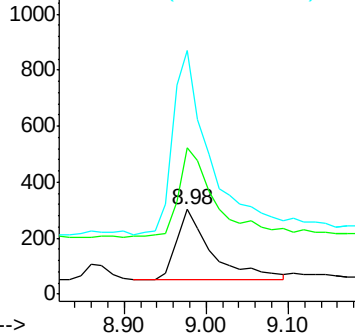
54 287.1 224.7 337.1

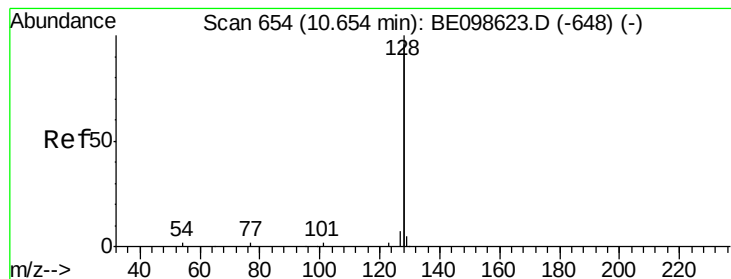


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.209 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

SSTDICC0.2

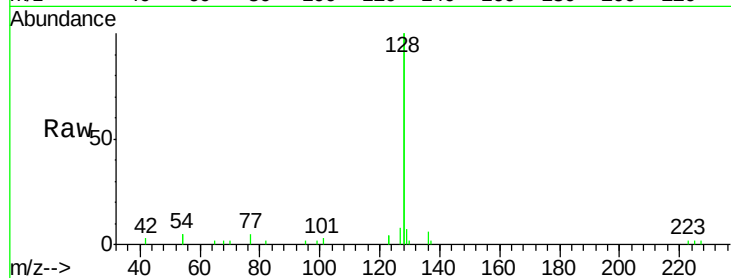
Tgt Ion:128 Resp: 10787

Ion Ratio Lower Upper

128 100

129 3.6 2.6 3.8

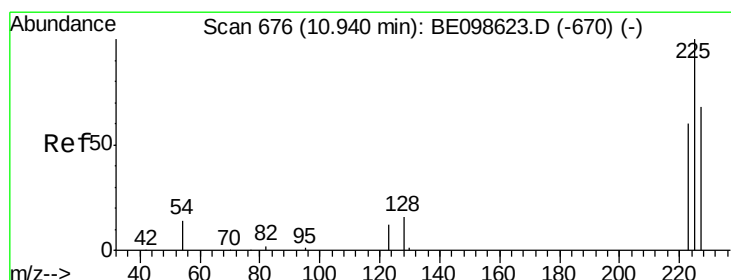
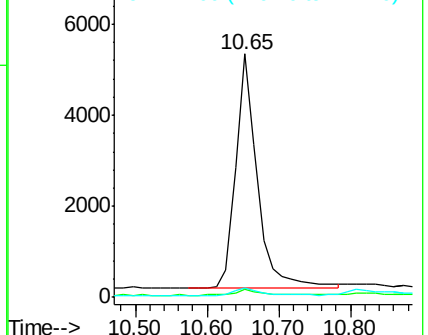
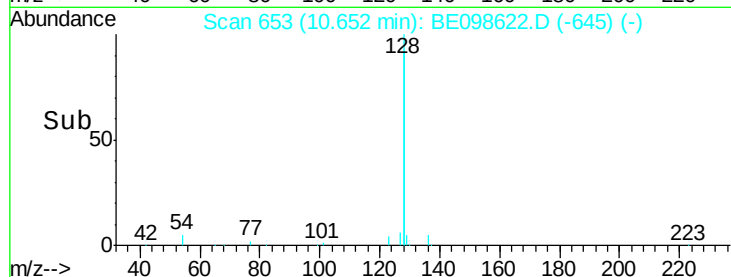
127 4.0 3.0 4.6



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: 0.240 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

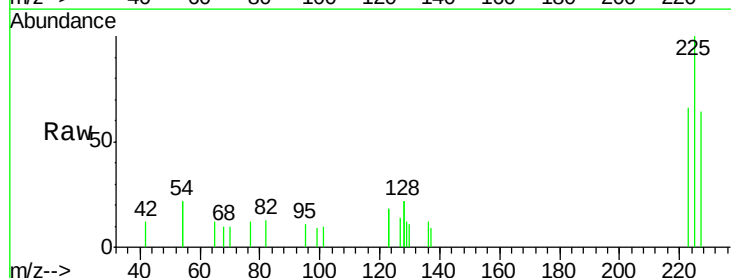
Tgt Ion:225 Resp: 791

Ion Ratio Lower Upper

225 100

223 62.8 47.8 71.8

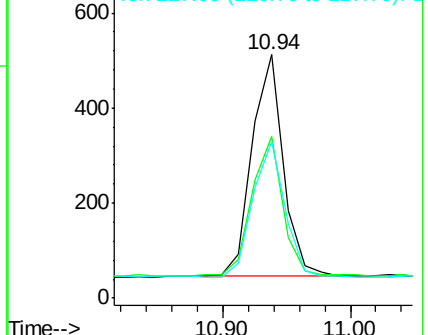
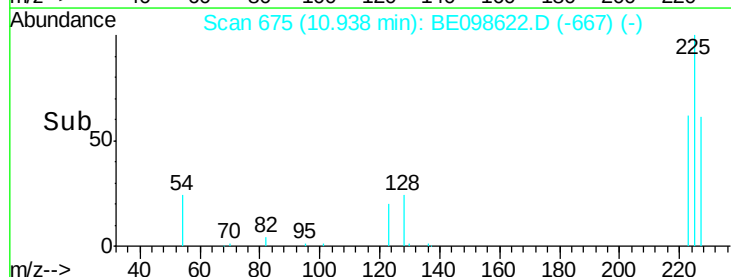
227 62.3 50.5 75.7

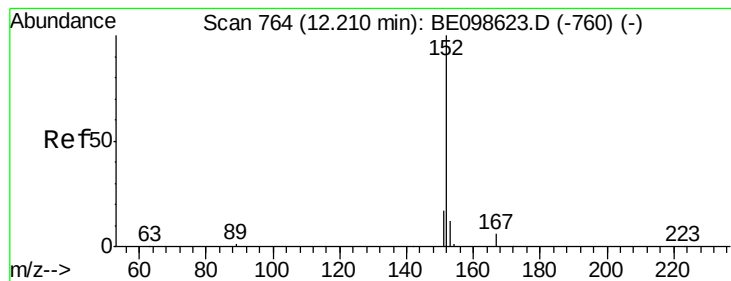


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.209 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

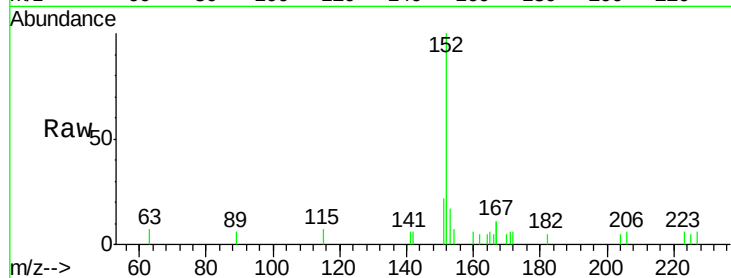
SSTDICC0.2

Tgt Ion:152 Resp: 1749

Ion Ratio Lower Upper

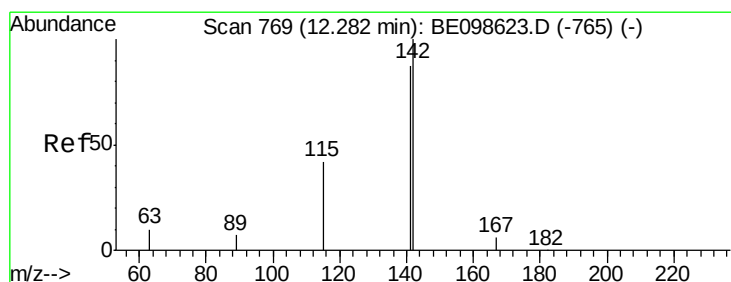
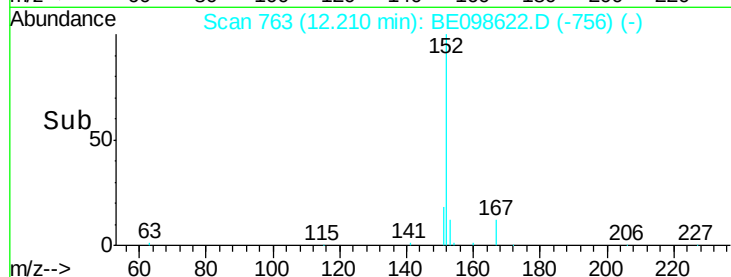
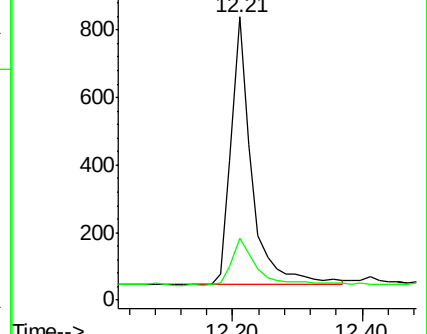
152 100

151 21.2 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: 0.207 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

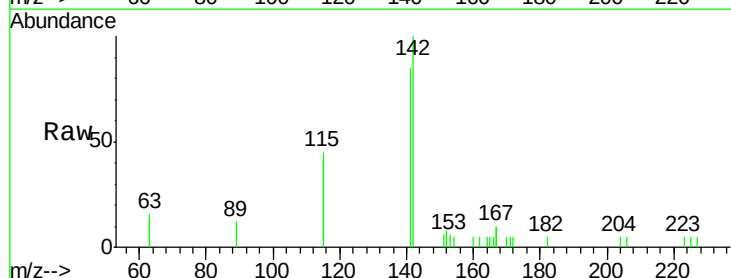
Tgt Ion:142 Resp: 1738

Ion Ratio Lower Upper

142 100

141 84.6 70.0 105.0

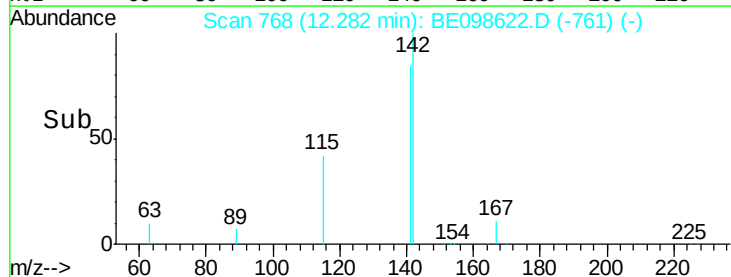
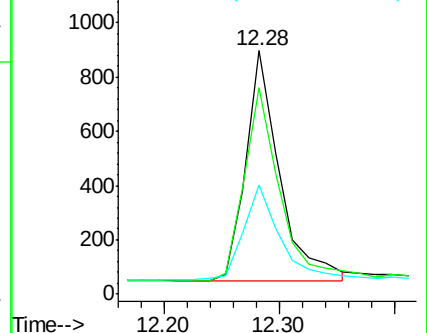
115 45.0 35.2 52.8

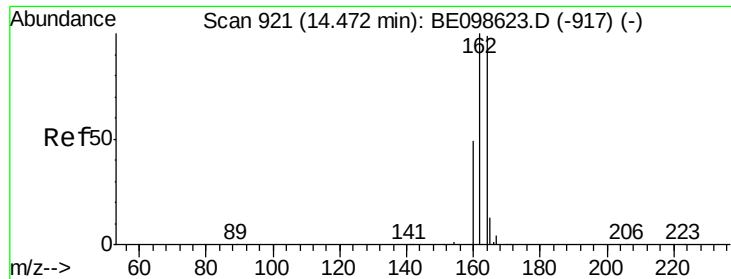


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

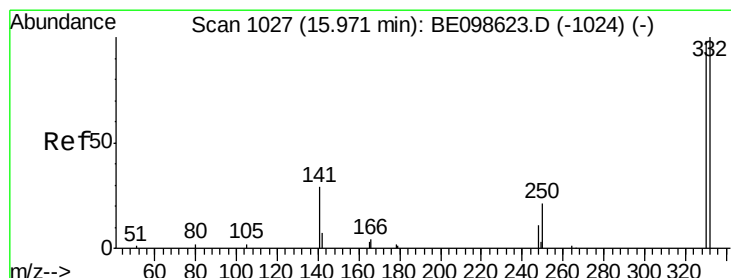
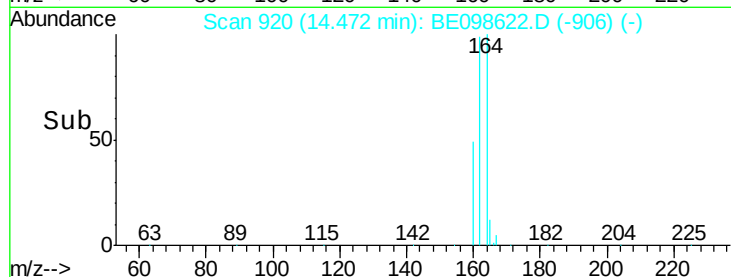
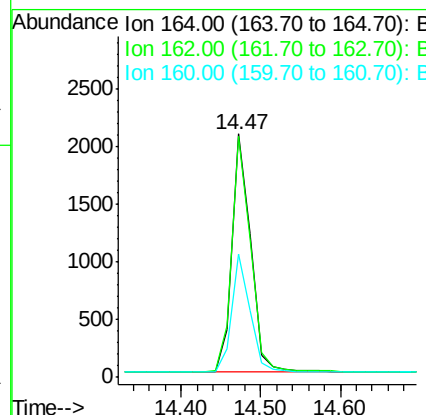
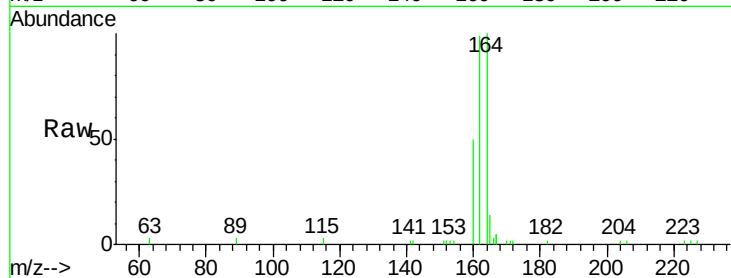




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE098622.D
Acq: 15 Jan 2019 11:32

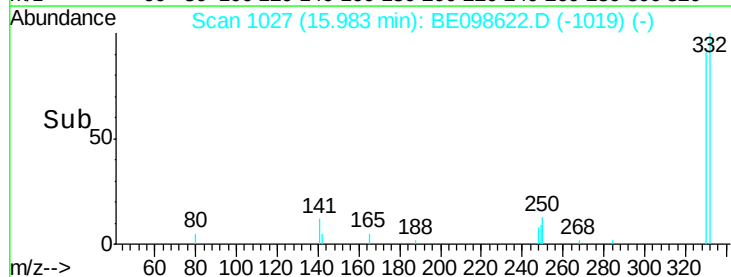
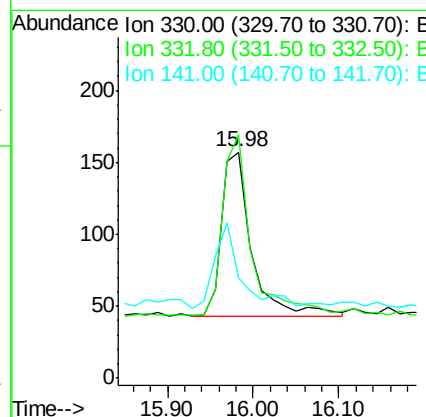
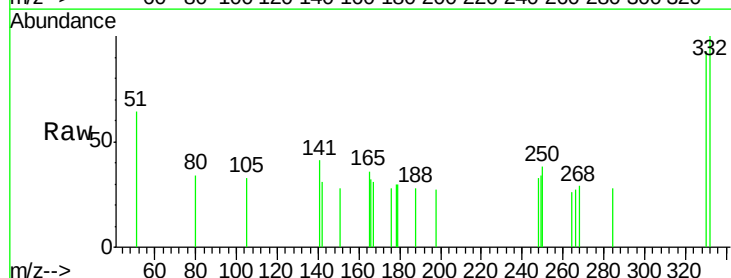
Instrument :
MSVOA_W
ClientSampleId :
SSTDIC0.2

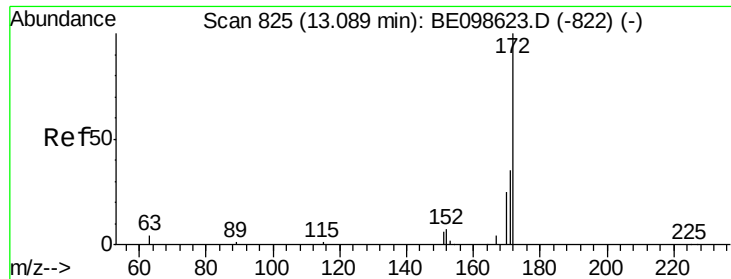
Tgt Ion:164 Resp: 3345
Ion Ratio Lower Upper
164 100
162 99.2 80.5 120.7
160 50.5 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.228 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE098622.D
Acq: 15 Jan 2019 11:32

Tgt Ion:330 Resp: 280
Ion Ratio Lower Upper
330 100
332 105.0 73.3 109.9
141 48.6 33.1 49.7

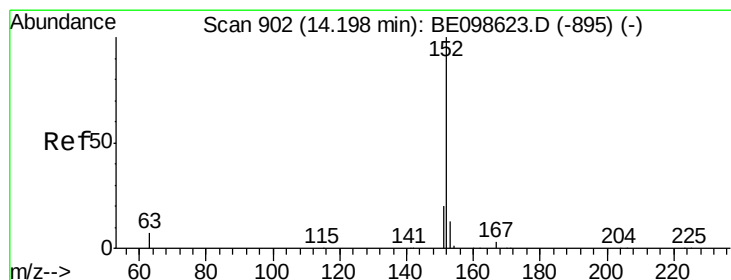
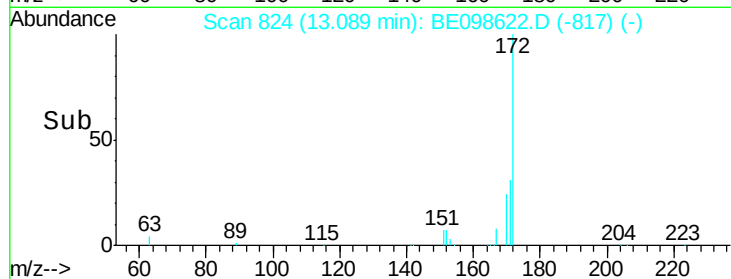
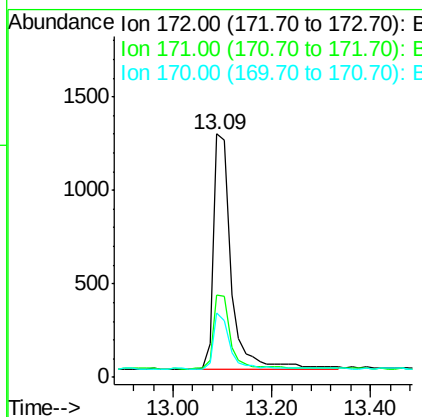
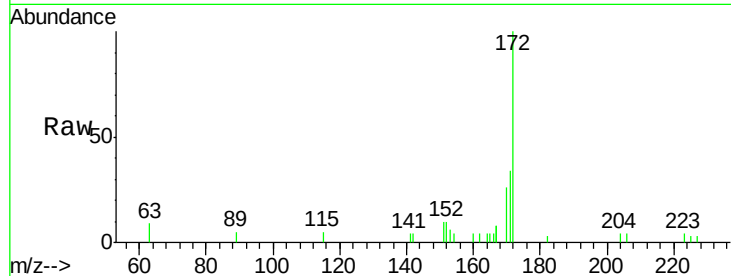




#15
2-Fluorobiphenyl
Concen: 0.218 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098622.D
Acq: 15 Jan 2019 11:32

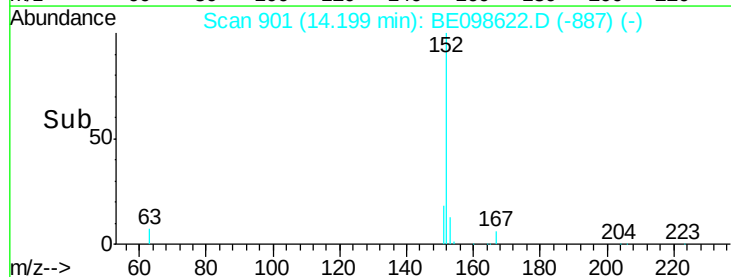
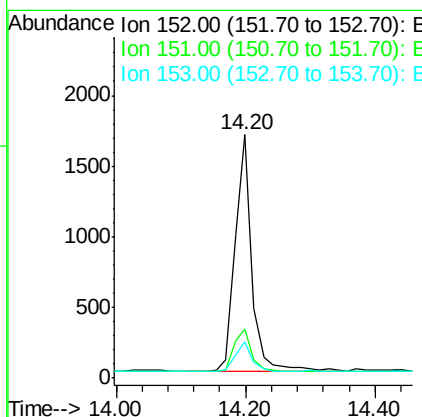
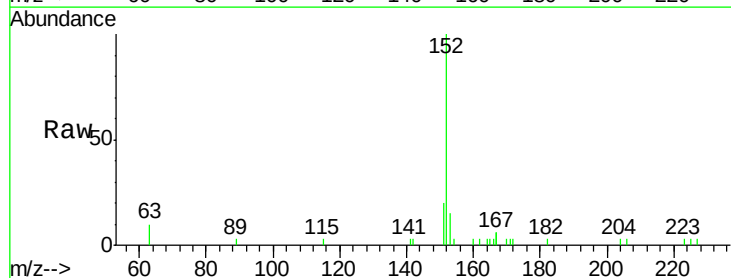
Instrument :
MSVOA_W
ClientSampleId :
SSTDIC0.2

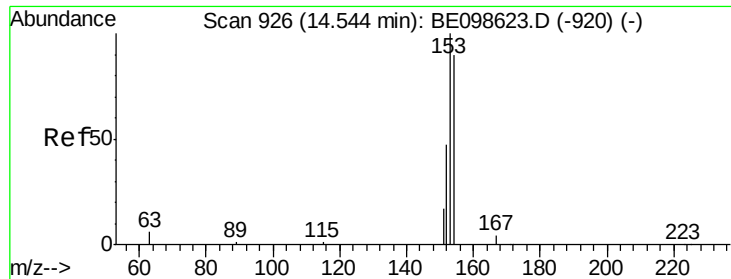
Tgt Ion:172 Resp: 3079
Ion Ratio Lower Upper
172 100
171 33.8 29.0 43.4
170 26.4 20.8 31.2



#16
Acenaphthylene
Concen: 0.192 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE098622.D
Acq: 15 Jan 2019 11:32

Tgt Ion:152 Resp: 3005
Ion Ratio Lower Upper
152 100
151 19.8 16.3 24.5
153 13.2 10.7 16.1





#17

Acenaphthene

Concen: 0.198 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

SSTDIC0.2

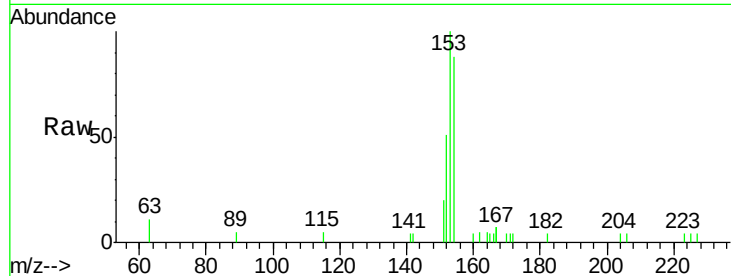
Tgt Ion:154 Resp: 1866

Ion Ratio Lower Upper

154 100

153 118.0 93.9 140.9

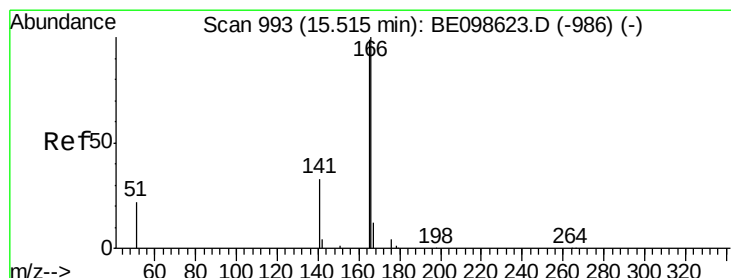
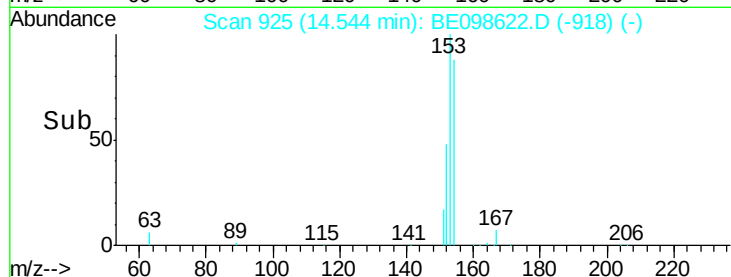
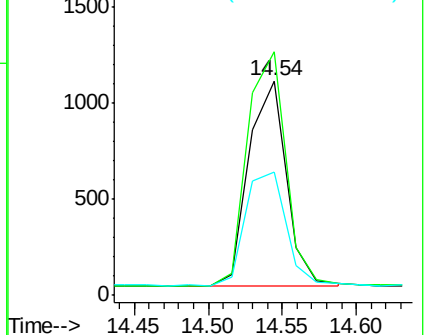
152 60.8 45.8 68.8



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: 0.194 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

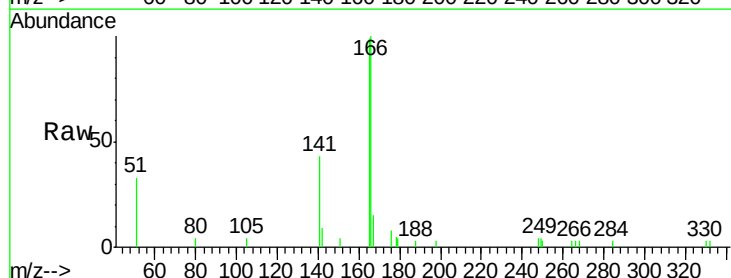
Tgt Ion:166 Resp: 2440

Ion Ratio Lower Upper

166 100

165 100.2 79.3 118.9

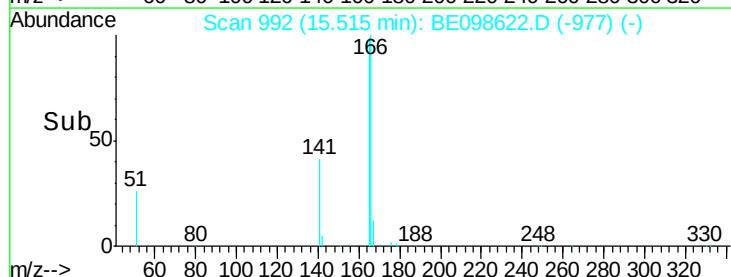
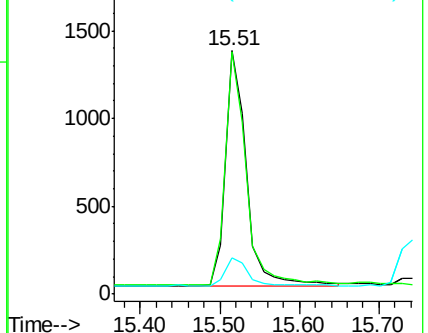
167 13.5 10.6 15.8

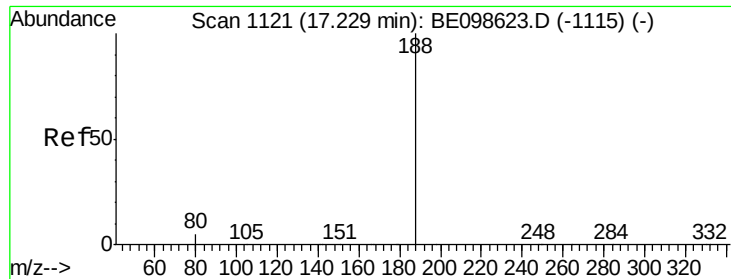


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

SSTDIC0.2

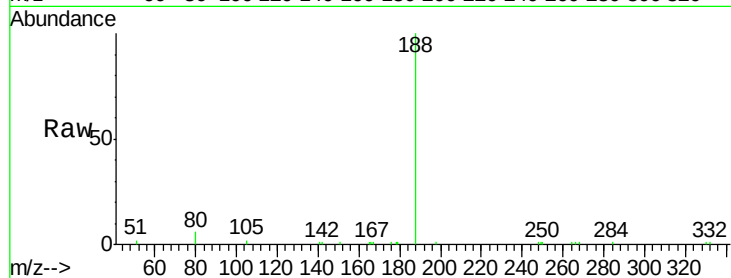
Tgt Ion:188 Resp: 8145

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

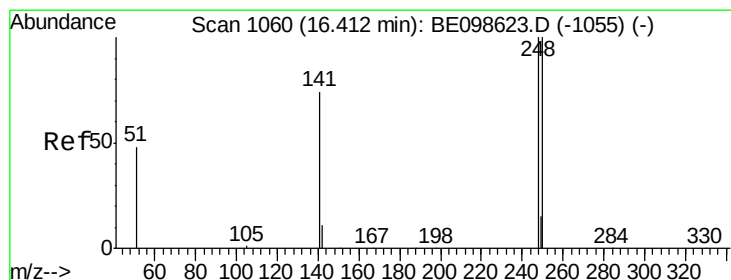
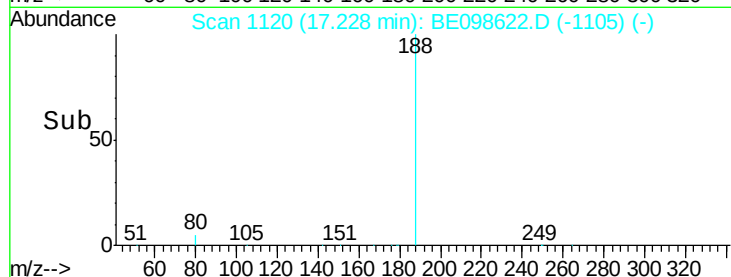
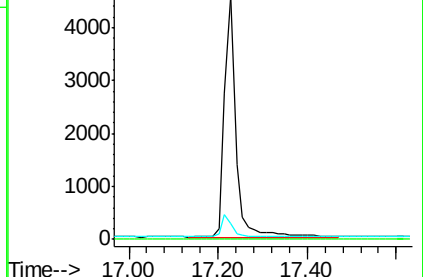
80 6.4 4.7 7.1



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: 0.186 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

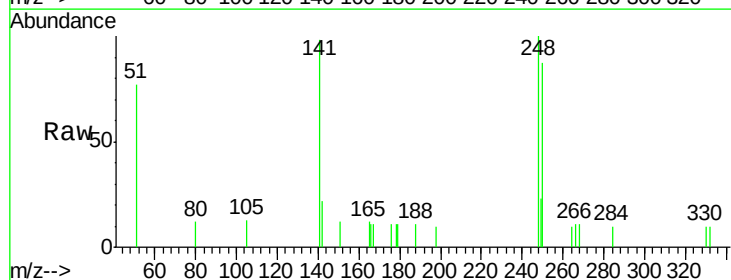
Tgt Ion:248 Resp: 815

Ion Ratio Lower Upper

248 100

250 86.5 80.2 120.4

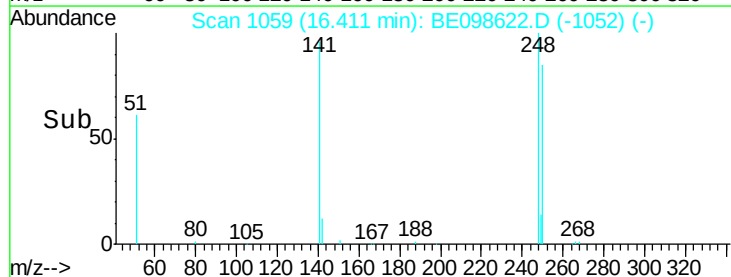
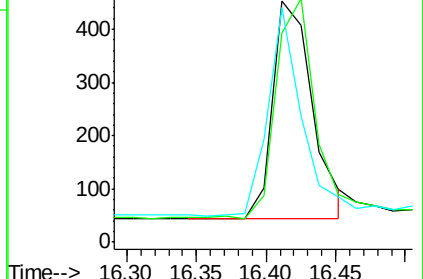
141 97.6 60.5 90.7#

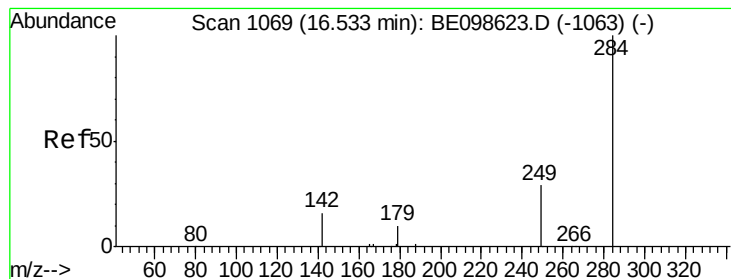


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.230 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

SSTDIC0.2

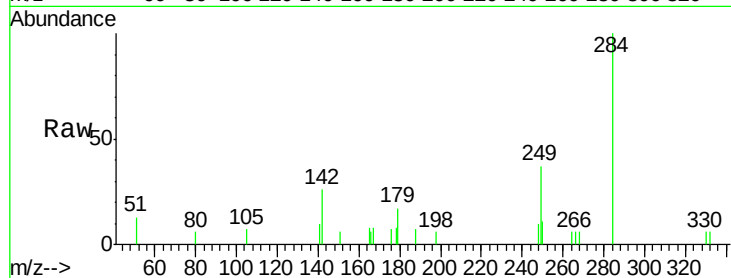
Tgt Ion:284 Resp: 1085

Ion Ratio Lower Upper

284 100

142 32.9 25.5 38.3

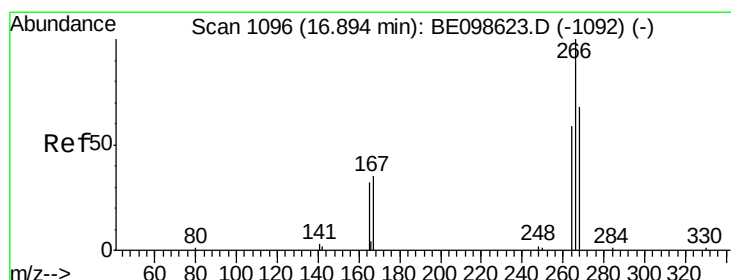
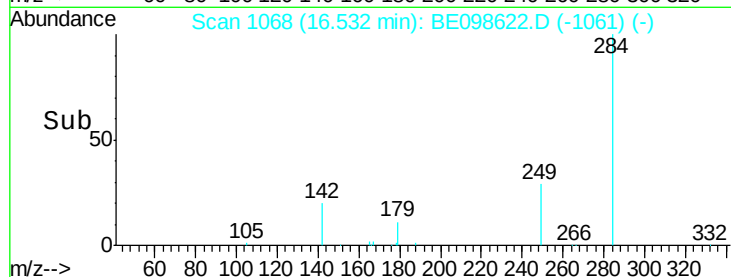
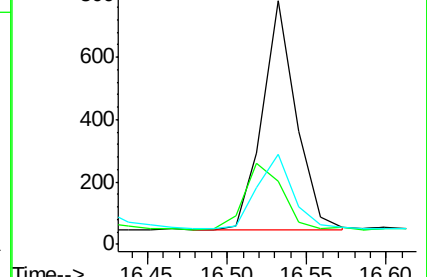
249 35.1 26.6 39.8



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: 0.276 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

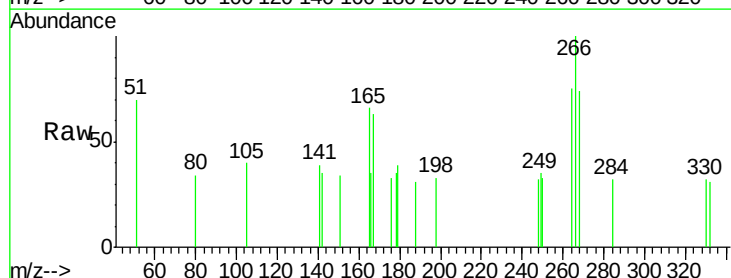
Tgt Ion:266 Resp: 257

Ion Ratio Lower Upper

266 100

264 75.2 53.7 80.5

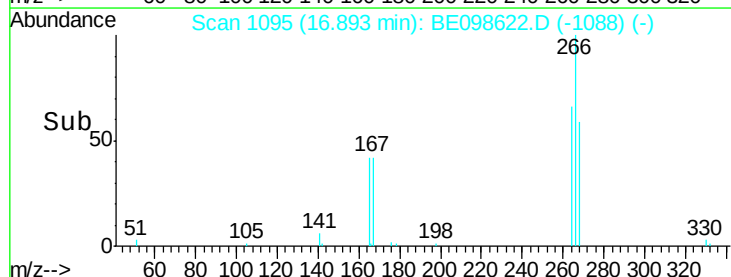
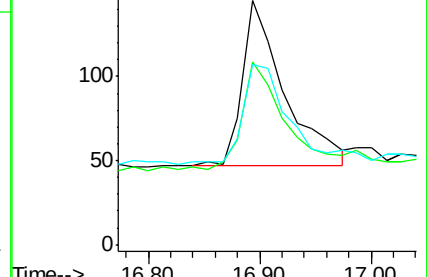
268 73.8 59.8 89.8

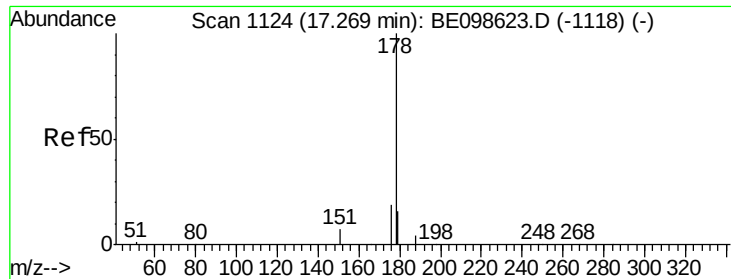


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.197 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

SSTDIC0.2

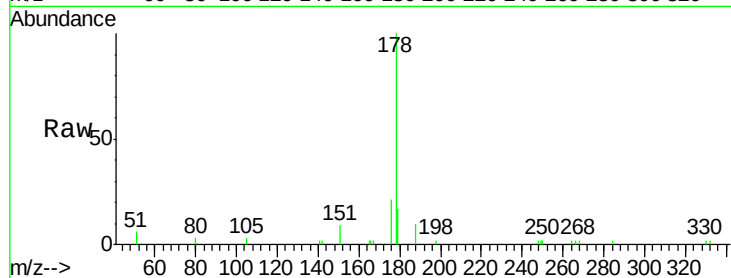
Tgt Ion:178 Resp: 3890

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

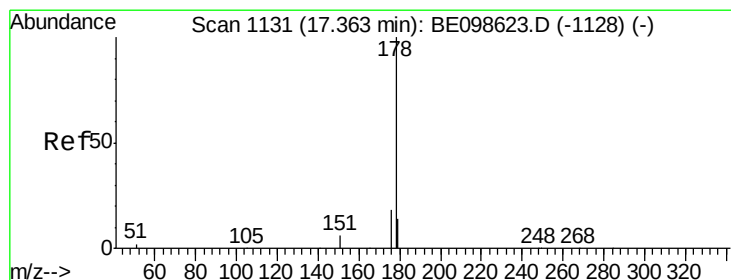
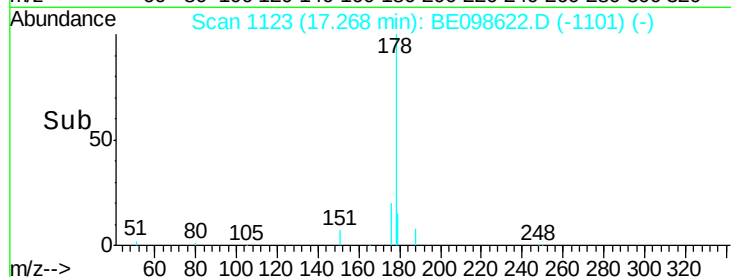
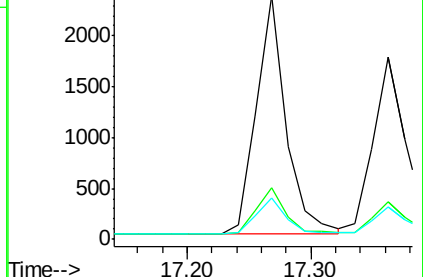
179 15.5 12.2 18.4



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: 0.178 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

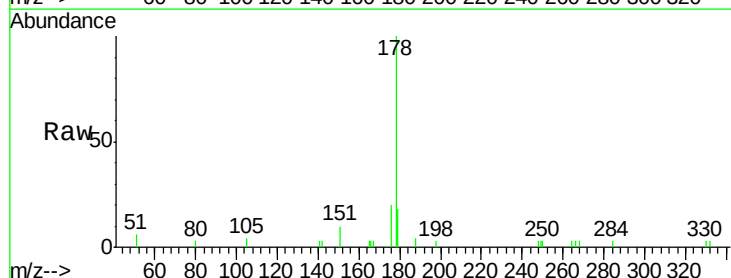
Tgt Ion:178 Resp: 3149

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

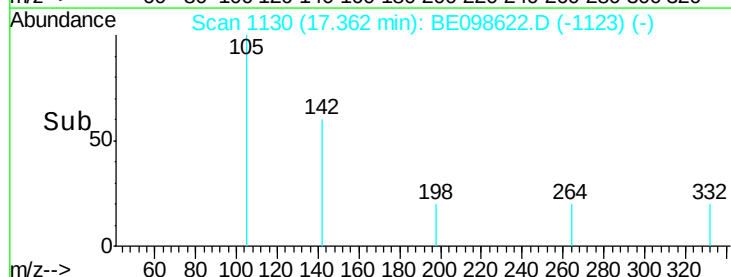
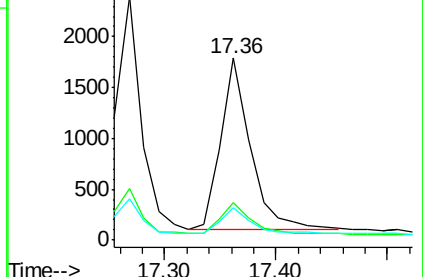
179 15.6 11.8 17.8

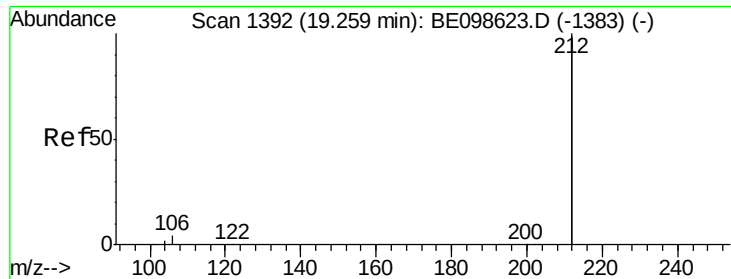


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.196 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

SSTDIC0.2

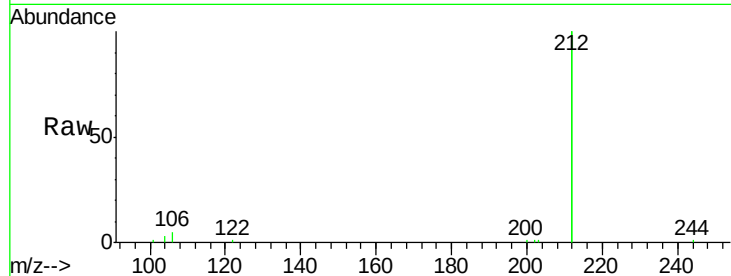
Tgt Ion:212 Resp: 20509

Ion Ratio Lower Upper

212 100

106 2.2 1.7 2.5

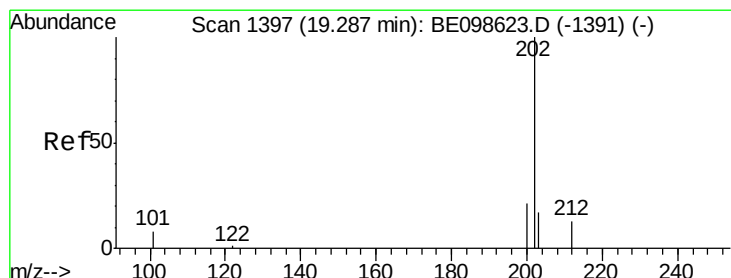
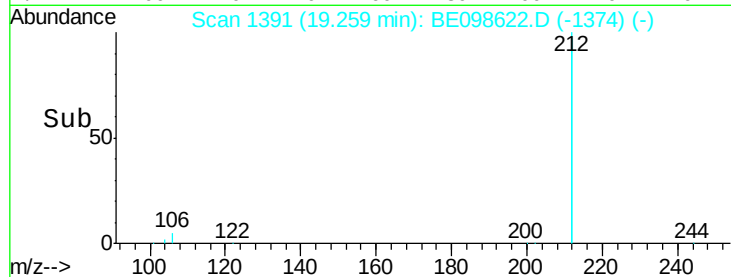
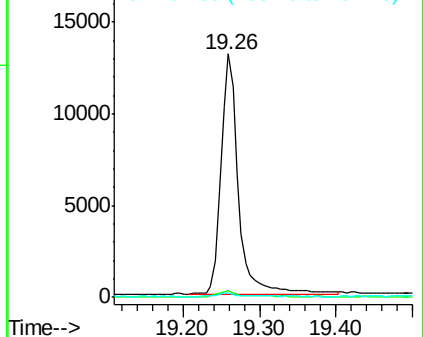
104 1.4 1.0 1.6



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.191 ng

RT: 19.29 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

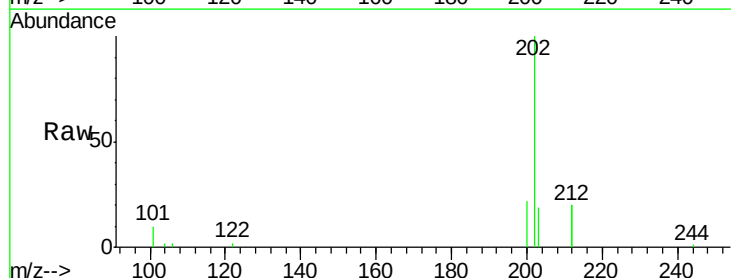
Tgt Ion:202 Resp: 5003

Ion Ratio Lower Upper

202 100

101 8.1 6.7 10.1

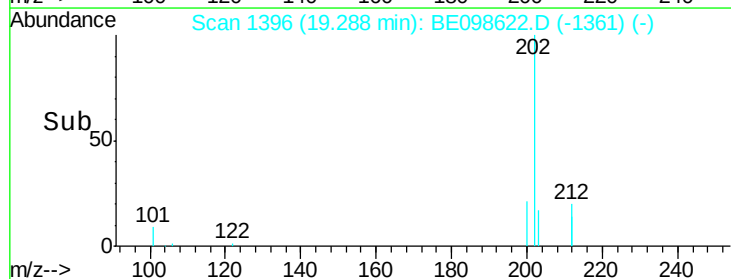
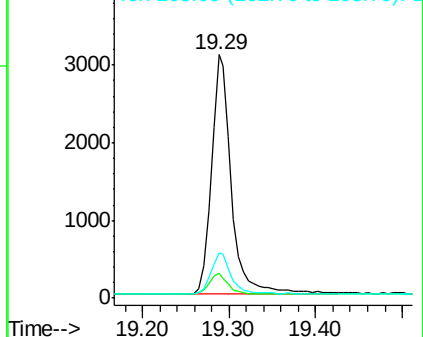
203 17.1 13.3 19.9

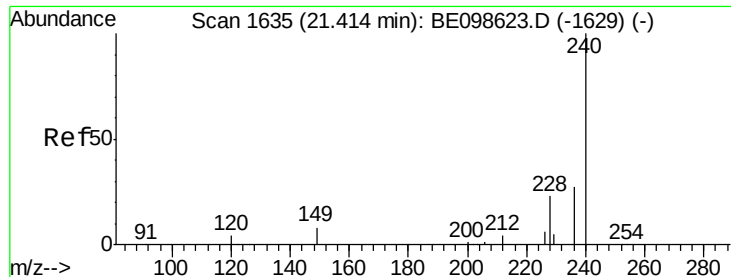


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

SSTDIC0.2

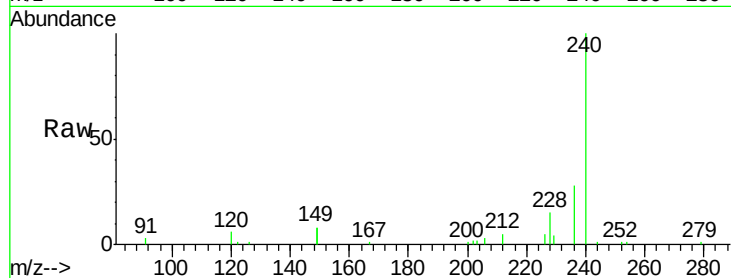
Tgt Ion:240 Resp: 9143

Ion Ratio Lower Upper

240 100

120 6.1 4.7 7.1

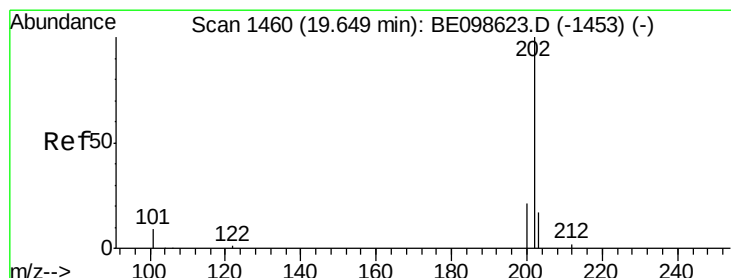
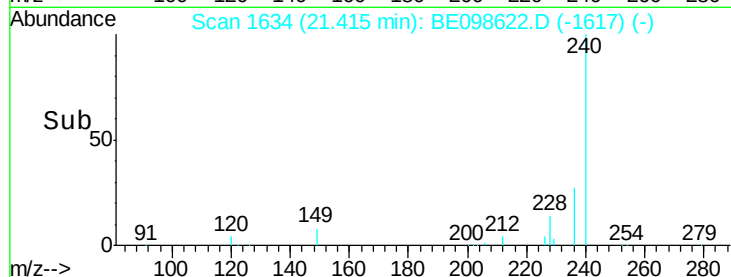
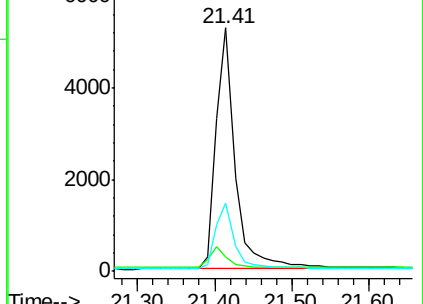
236 28.1 21.9 32.9



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: 0.184 ng

RT: 19.65 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

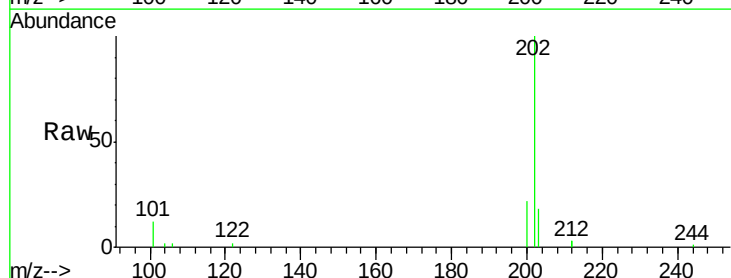
Tgt Ion:202 Resp: 5287

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

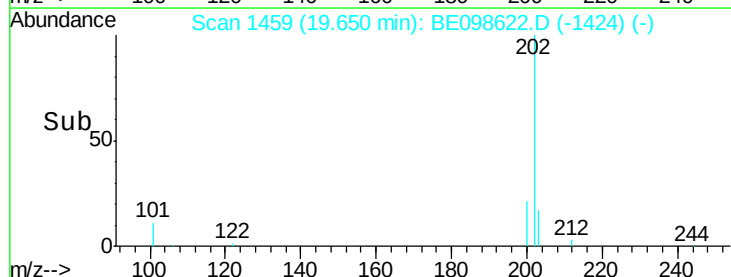
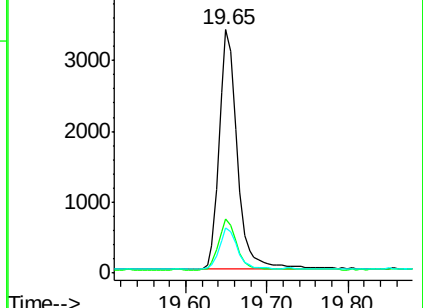
203 17.2 13.8 20.8

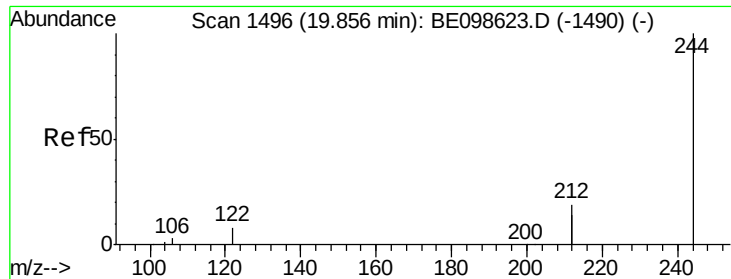


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.191 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

SSTDIC0.2

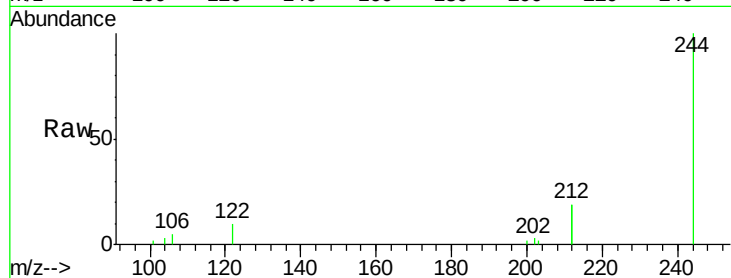
Tgt Ion:244 Resp: 4245

Ion Ratio Lower Upper

244 100

212 38.8 29.4 44.2

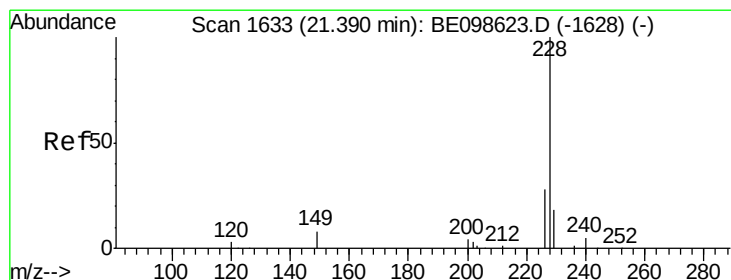
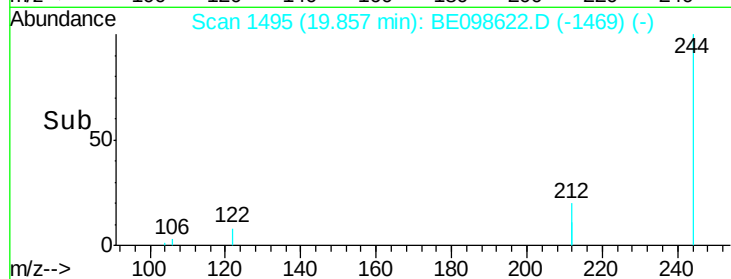
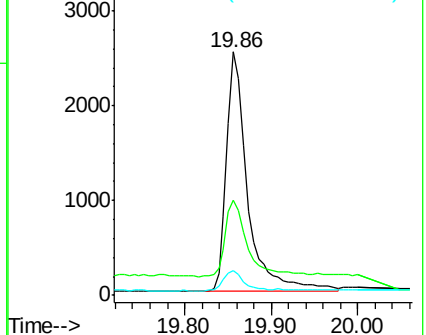
122 10.0 7.1 10.7



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: 0.194 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

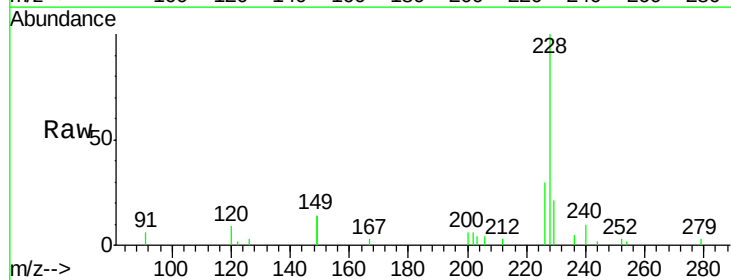
Tgt Ion:228 Resp: 5050

Ion Ratio Lower Upper

228 100

226 29.7 23.0 34.4

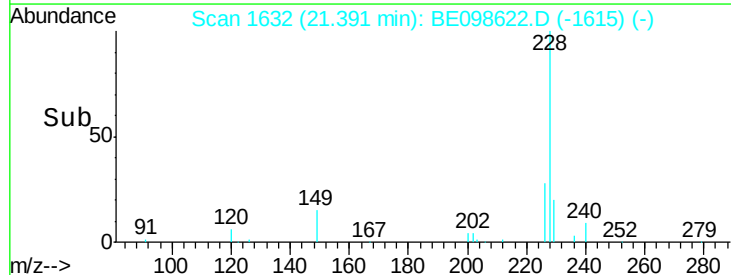
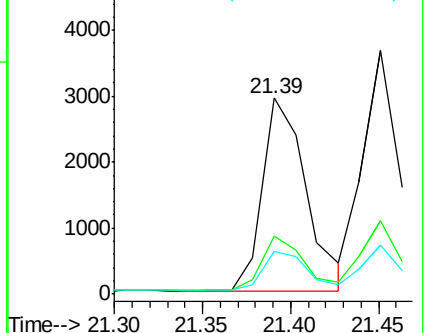
229 21.5 15.0 22.6

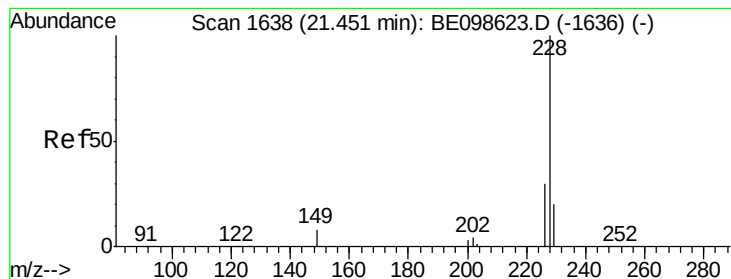


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.198 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

SSTDICC0.2

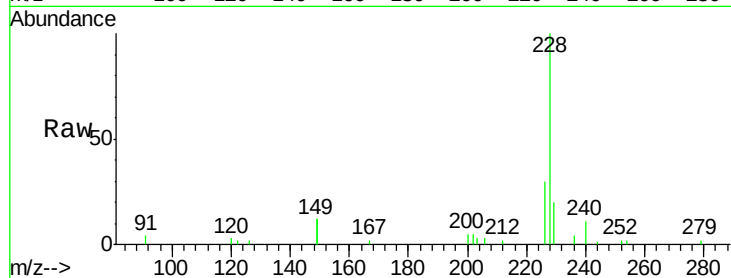
Tgt Ion: 228 Resp: 5389

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

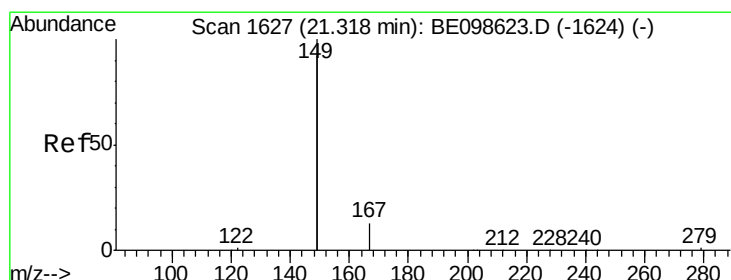
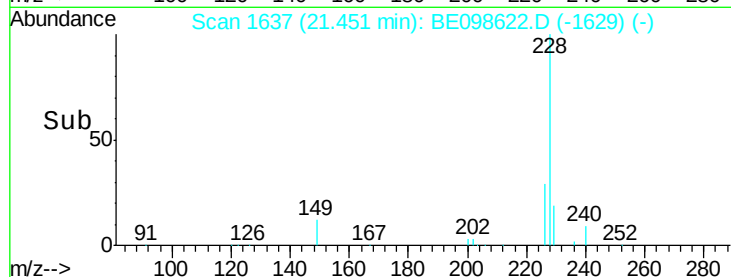
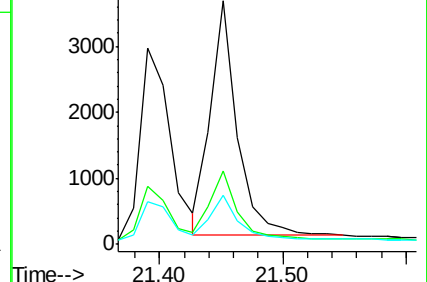
229 20.0 16.4 24.6



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: 0.200 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

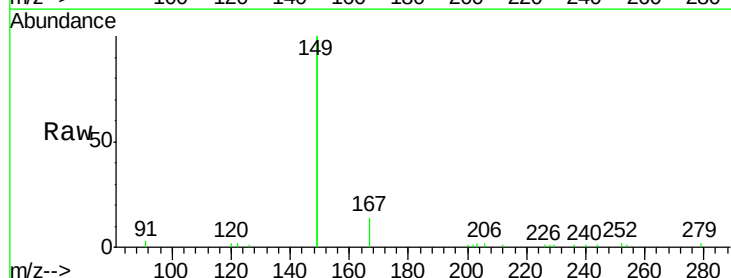
Tgt Ion: 149 Resp: 10578

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.2

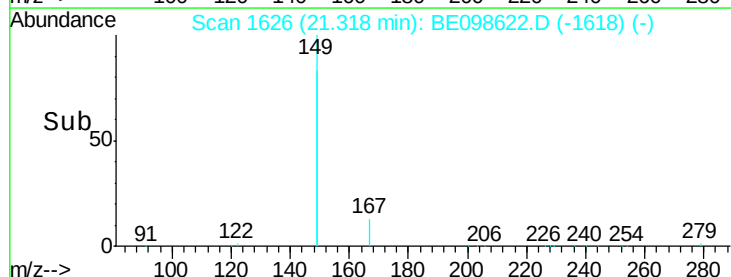
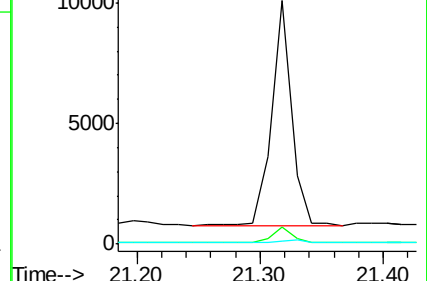
279 1.3 1.0 1.4

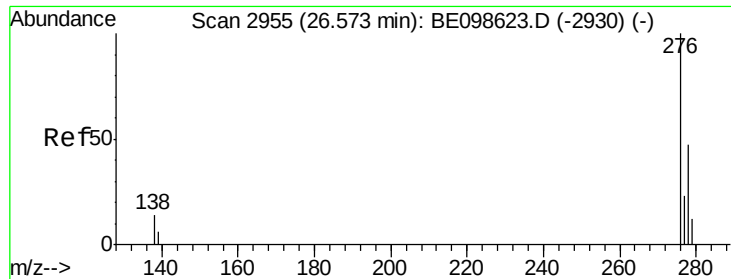


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.201 ng

RT: 26.57 min Scan# 2953

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

SSTDIC0.2

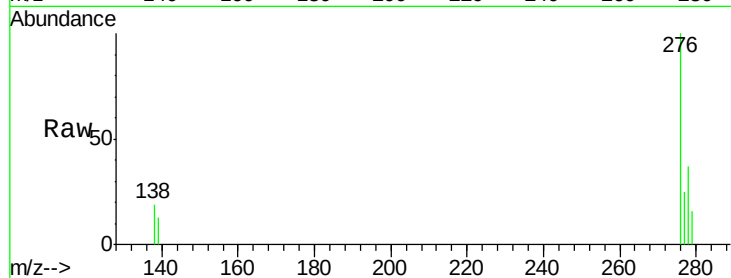
Tgt Ion:276 Resp: 5466

Ion Ratio Lower Upper

276 100

138 18.9 13.3 19.9

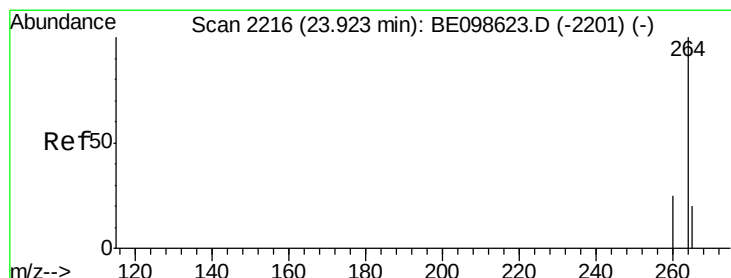
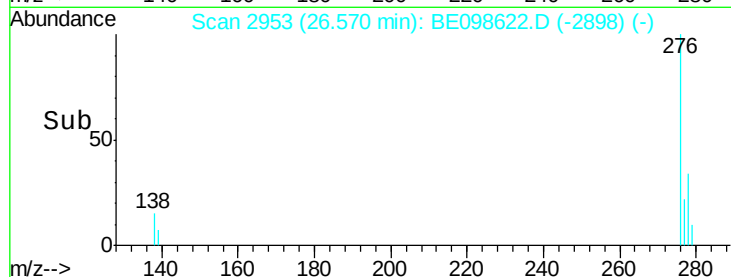
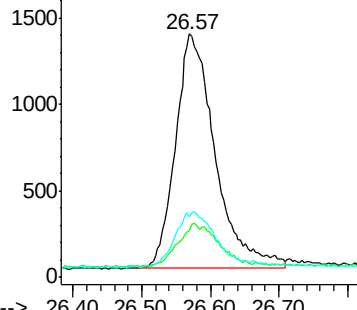
277 23.5 19.4 29.0



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

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

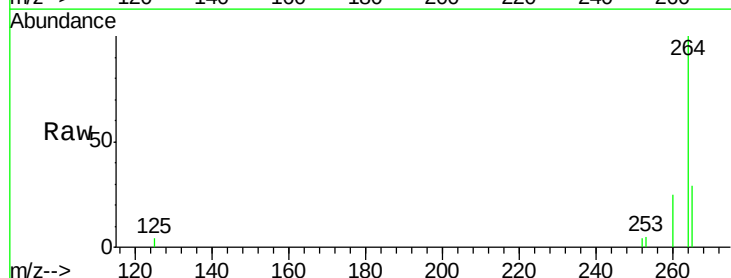
Tgt Ion:264 Resp: 9140

Ion Ratio Lower Upper

264 100

260 25.0 20.5 30.7

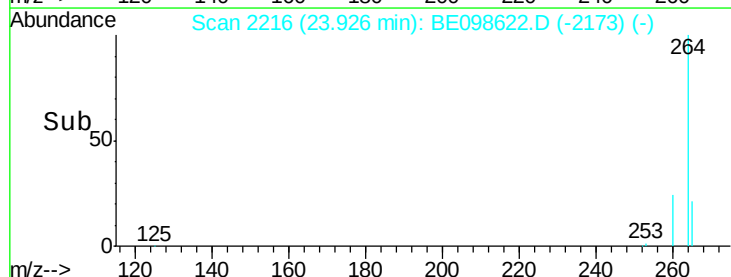
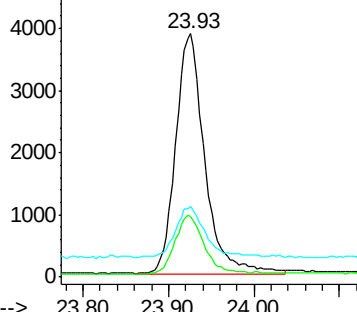
265 29.0 22.3 33.5

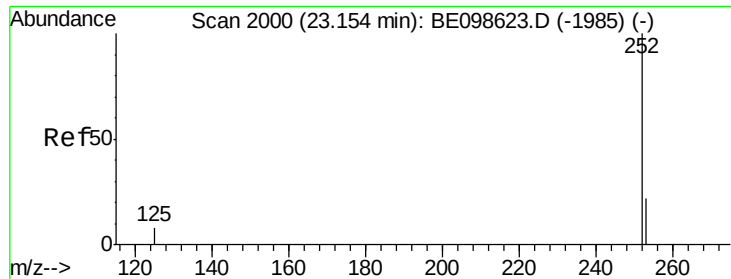


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.221 ng

RT: 23.21 min Scan# 2014

Delta R.T. 0.05 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

SSTDIC0.2

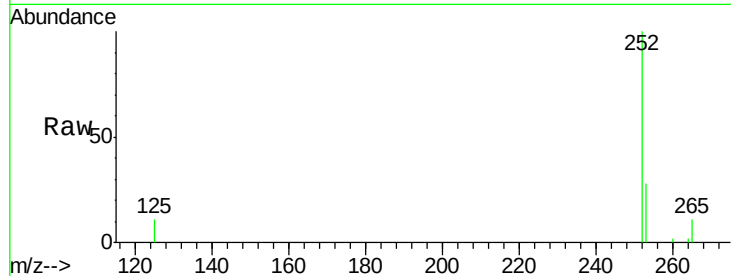
Tgt Ion:252 Resp: 5524

Ion Ratio Lower Upper

252 100

253 27.7 19.4 29.0

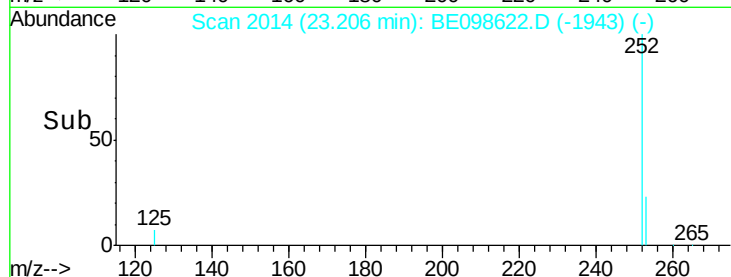
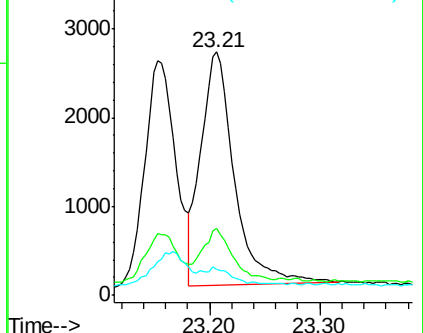
125 10.8 8.2 12.4



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: 0.190 ng

RT: 23.21 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

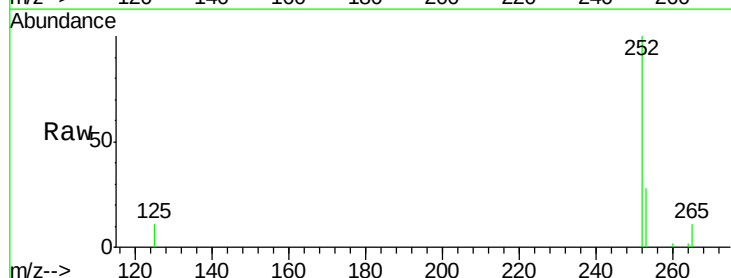
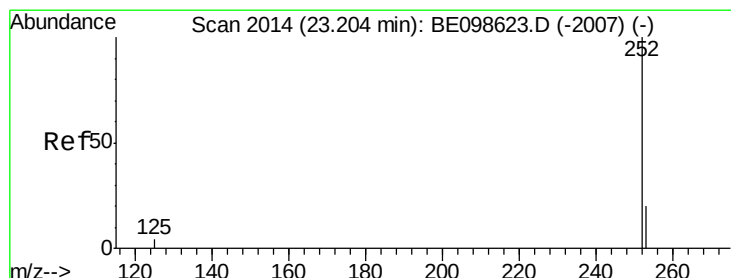
Tgt Ion:252 Resp: 5524

Ion Ratio Lower Upper

252 100

253 27.7 19.0 28.4

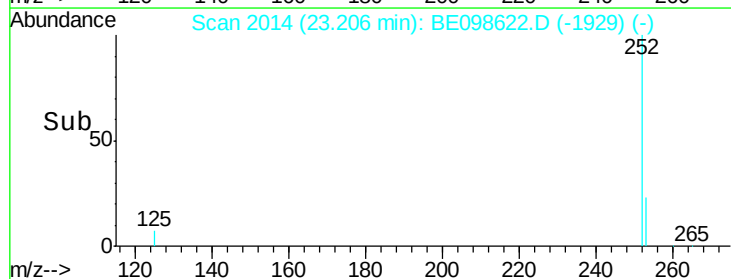
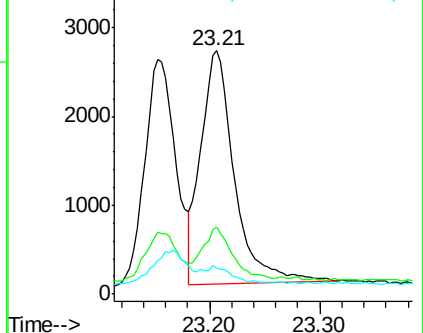
125 10.8 7.0 10.4#

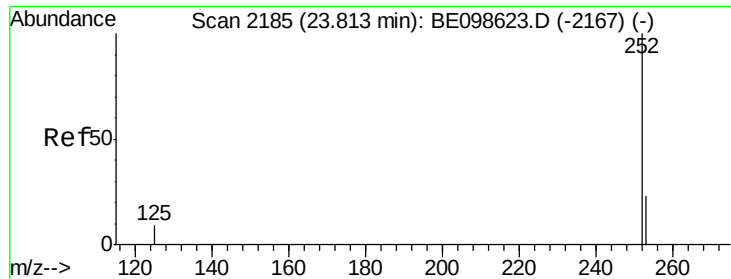


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.191 ng

RT: 23.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampled :

SSTDIC0.2

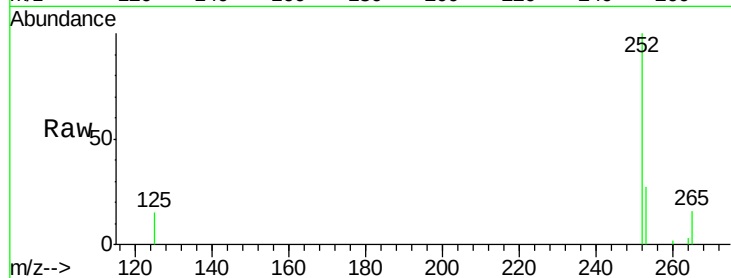
Tgt Ion:252 Resp: 4914

Ion Ratio Lower Upper

252 100

253 27.2 21.0 31.4

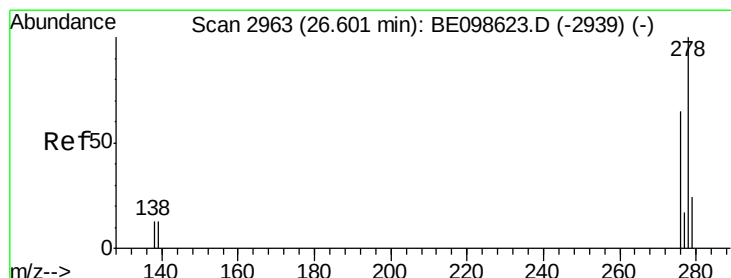
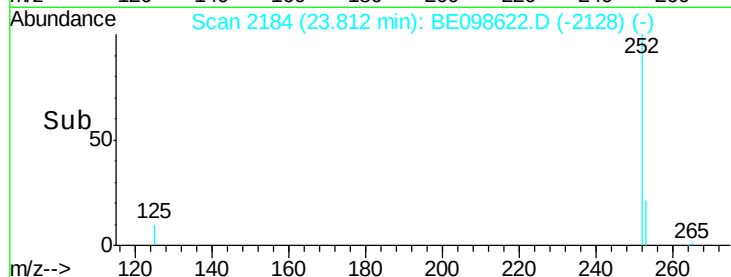
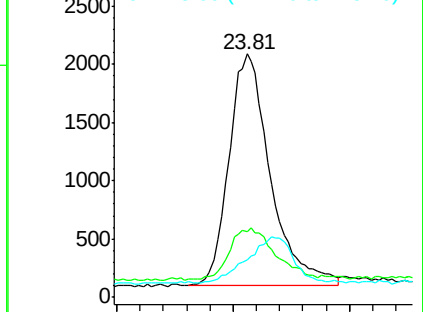
125 15.4 9.2 13.8#



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: 0.172 ng

RT: 26.60 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BE098622.D

Acq: 15 Jan 2019 11:32

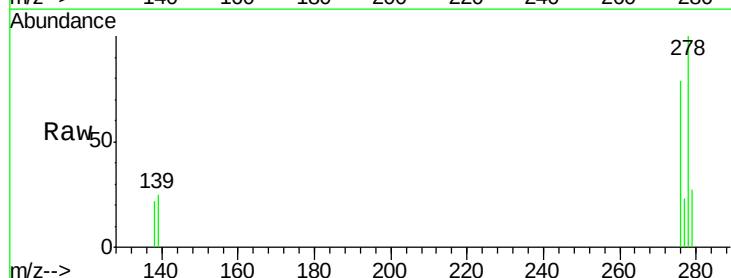
Tgt Ion:278 Resp: 4183

Ion Ratio Lower Upper

278 100

139 24.7 12.7 19.1#

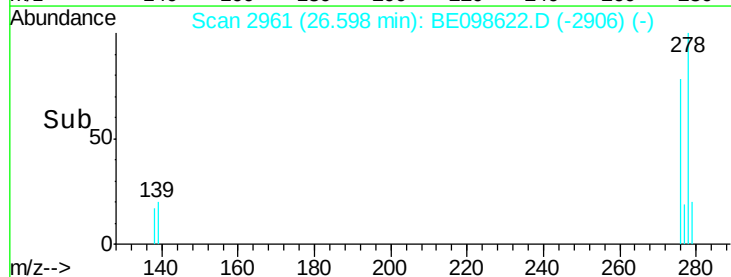
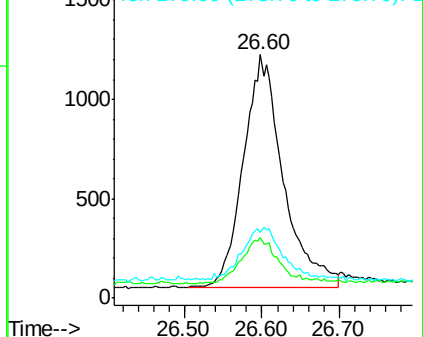
279 26.9 22.0 33.0

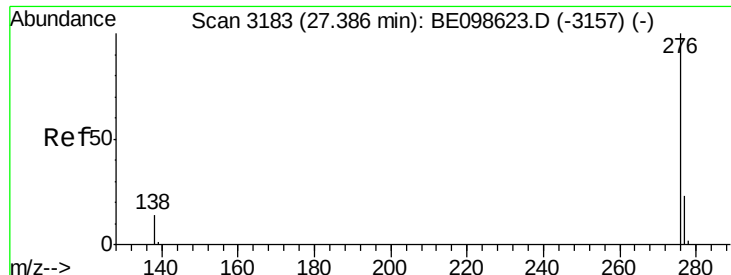


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.198 ng

RT: 27.39 min Scan# 3182

Delta R.T. 0.00 min

Lab File: BE098622.D

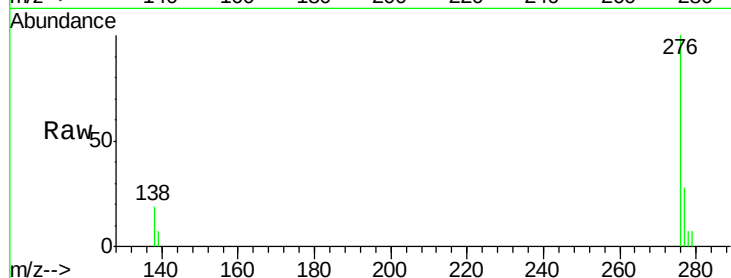
Acq: 15 Jan 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

SSTDIC0.2



Tgt Ion: 276 Resp: 4842

Ion Ratio Lower Upper

276 100

277 27.8 20.3 30.5

138 18.6 13.3 19.9

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

