

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\
 Data File : BE098647.D
 Acq On : 17 Jan 2019 9:53
 Operator : SJ/JU
 Sample : PB116433BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB116433BS

Quant Time: Jan 17 12:40:14 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 14:30:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1107	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	5209	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3337	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	8116	0.40	ng	0.00
27) Chrysene-d12	21.41	240	9192	0.40	ng	0.00
34) Perylene-d12	23.92	264	9175	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	1161	0.39	ng	0.00
5) Phenol-d6	6.99	99	1710	0.41	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1683	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	3171	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	656	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	5072	0.37	ng	0.00
25) Fluoranthene-d10	19.26	212	36609	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	7728	0.38	ng	0.00

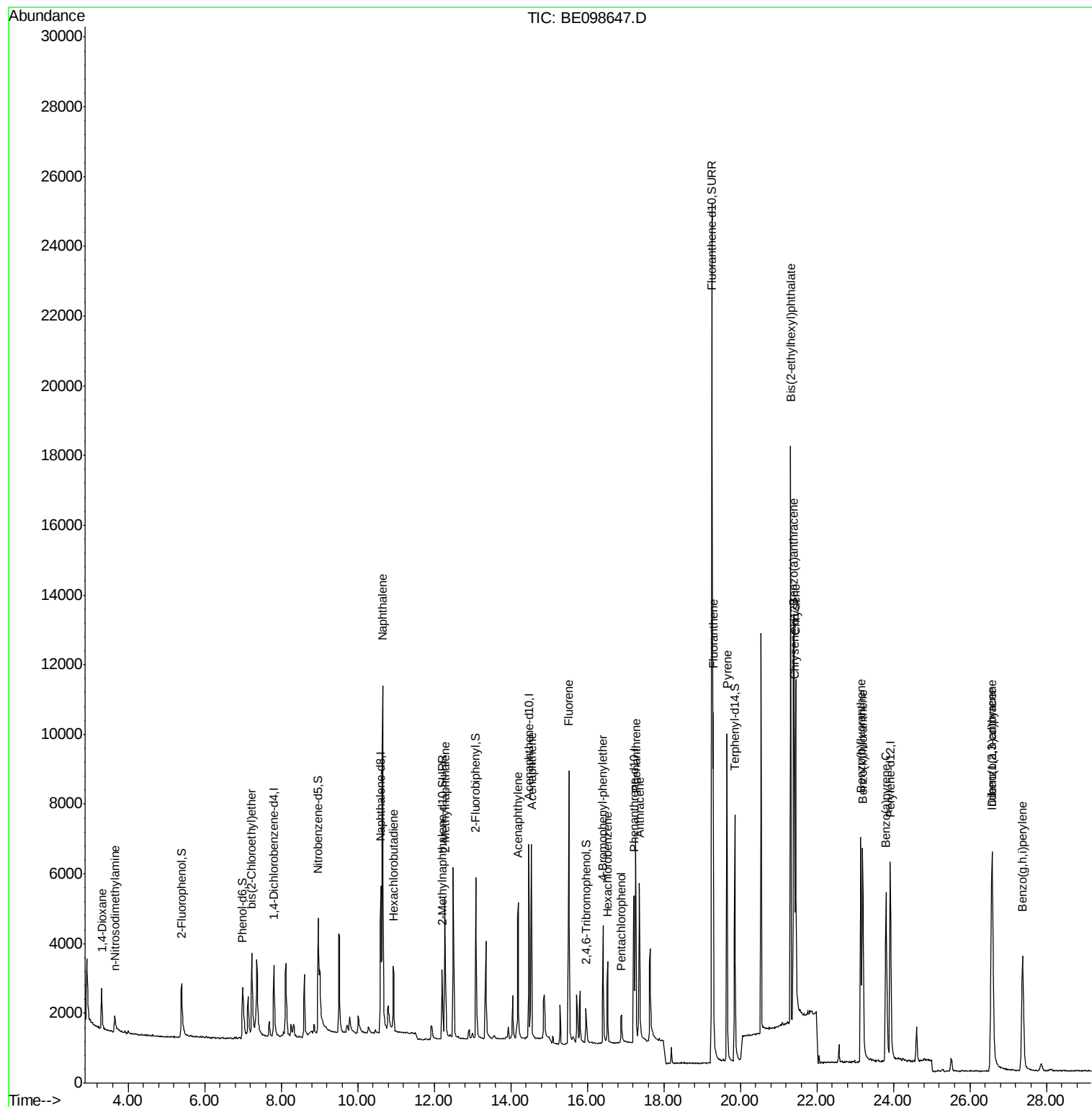
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	732	0.352	ng	97
3) n-Nitrosodimethylamine	3.65	42	622	0.392	ng	# 98
6) bis(2-Chloroethyl)ether	7.23	93	1093	0.344	ng	95
9) Naphthalene	10.65	128	18839	0.363	ng	100
10) Hexachlorobutadiene	10.93	225	1430	0.385	ng	96
12) 2-Methylnaphthalene	12.28	142	3114	0.362	ng	95
16) Acenaphthylene	14.20	152	5489	0.380	ng	98
17) Acenaphthene	14.54	154	3474	0.383	ng	99
18) Fluorene	15.51	166	4475	0.379	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	1593	0.371	ng	94
21) Hexachlorobenzene	16.53	284	1916	0.369	ng	94
22) Pentachlorophenol	16.89	266	693	0.526	ng	98
23) Phenanthrene	17.27	178	7114	0.370	ng	99
24) Anthracene	17.36	178	5828	0.354	ng	98
26) Fluoranthene	19.29	202	8983	0.363	ng	98
28) Pyrene	19.65	202	9263	0.366	ng	99
30) Benzo(a)anthracene	21.39	228	9631	0.390	ng	97
31) Chrysene	21.45	228	9380	0.366	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	18392	0.351	ng	100
33) Indeno(1,2,3-cd)pyrene	26.57	276	10293	0.390	ng	100
35) Benzo(b)fluoranthene	23.15	252	9130	0.365	ng	98
36) Benzo(k)fluoranthene	23.20	252	10158	0.371	ng	98
37) Benzo(a)pyrene	23.81	252	8962	0.365	ng	99
38) Dibenzo(a,h)anthracene	26.59	278	8518	0.391	ng	# 95
39) Benzo(g,h,i)perylene	27.37	276	8738	0.366	ng	98

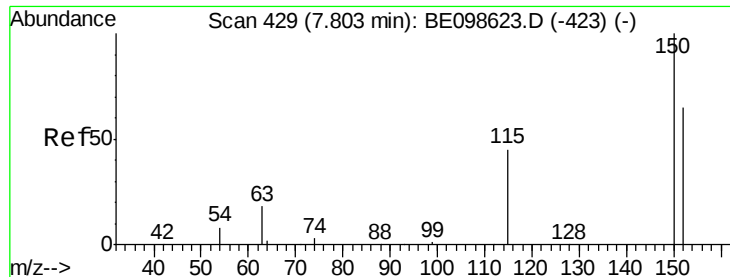
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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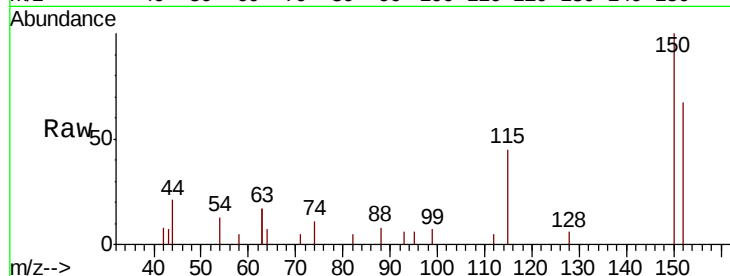


#1

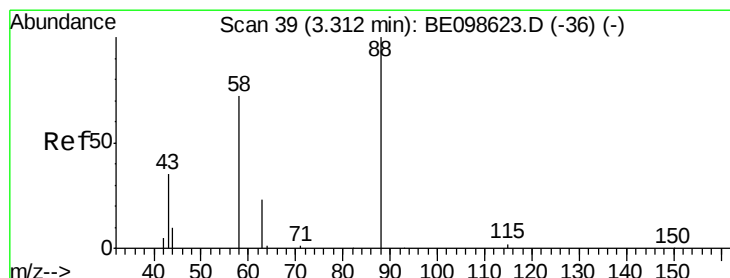
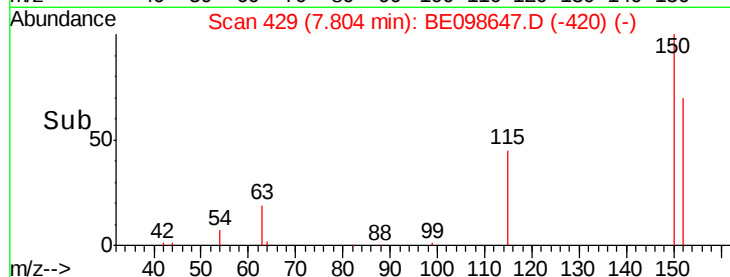
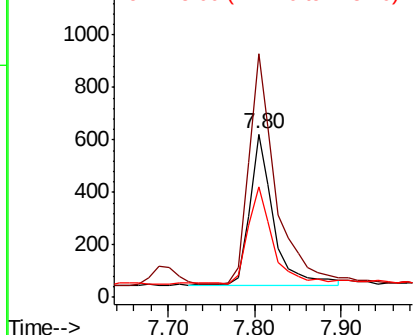
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tot Ion:152 Resp: 1107
Ion Ratio Lower Upper
152 100
150 149.4 121.4 182.2
115 67.5 59.1 88.7



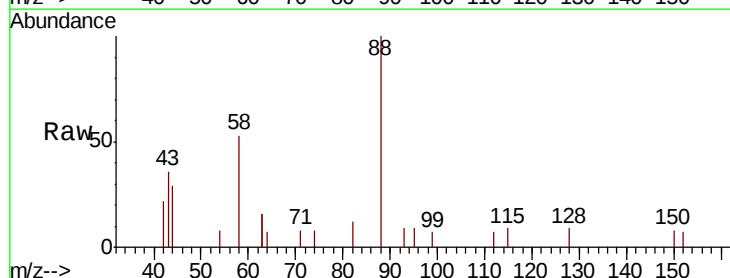
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



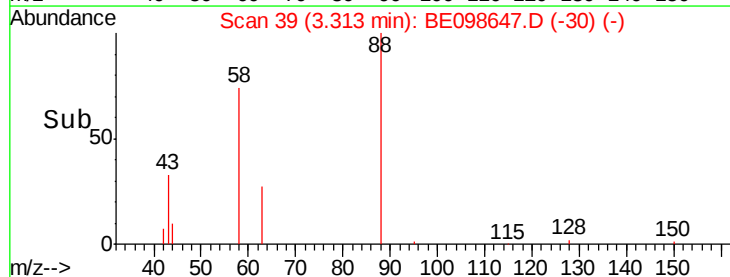
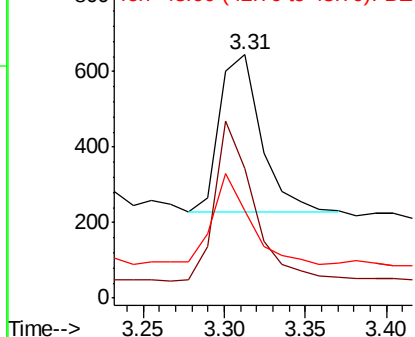
#2

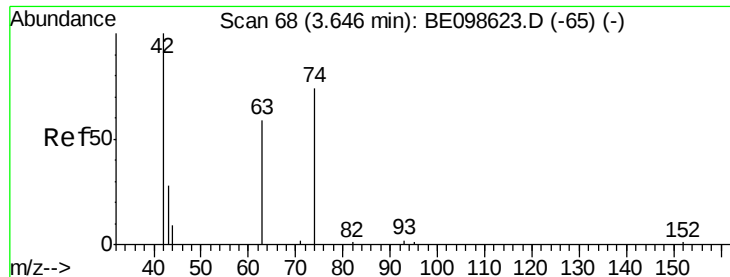
1,4-Dioxane
Concen: 0.352 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

Tgt Ion: 88 Resp: 732
Ion Ratio Lower Upper
88 100
58 94.7 73.9 110.9
43 51.4 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: 0.392 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

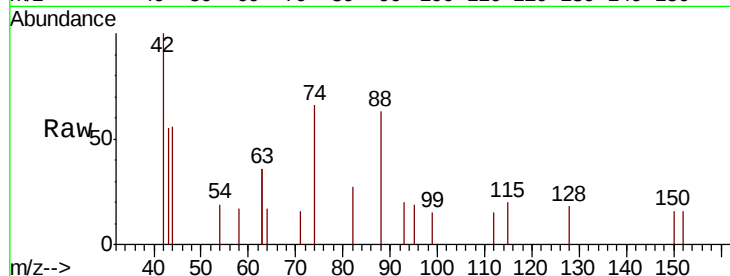
Tot Ion: 42 Resp: 622

Ion Ratio Lower Upper

42 100

74 71.5 58.9 88.3

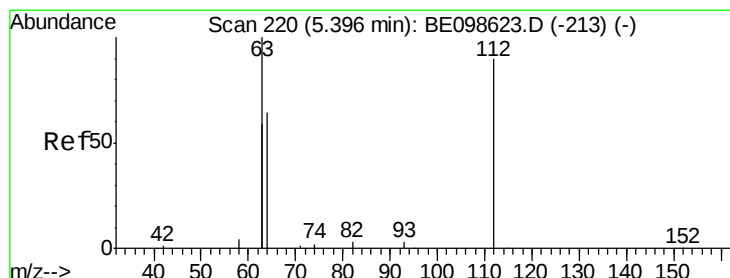
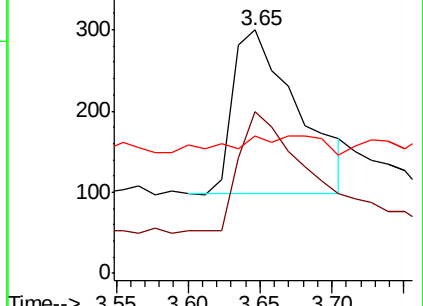
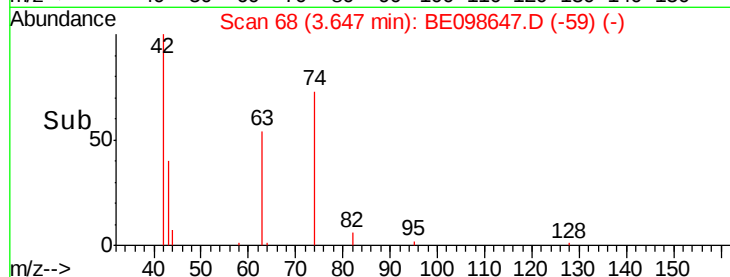
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.393 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

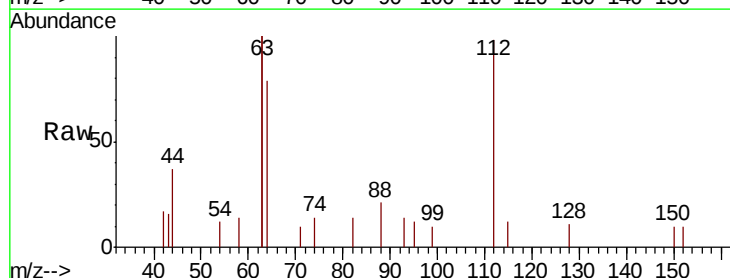
Tgt Ion: 112 Resp: 1161

Ion Ratio Lower Upper

112 100

64 77.7 62.9 94.3

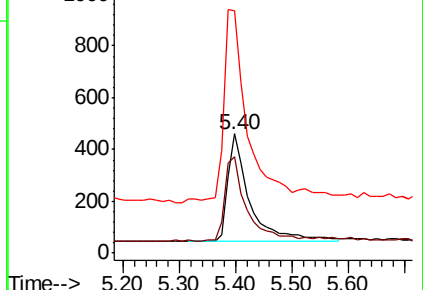
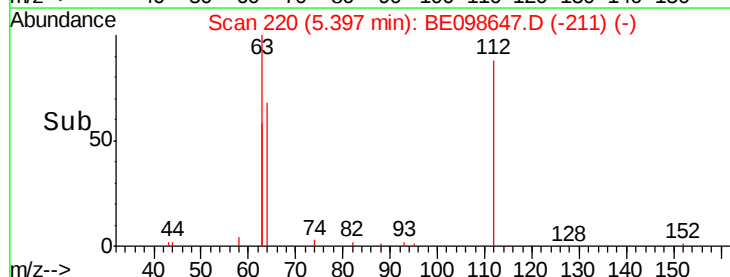
63 186.0 152.2 228.4

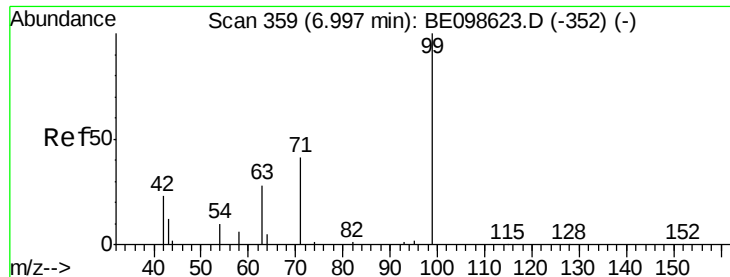


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.407 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.01 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

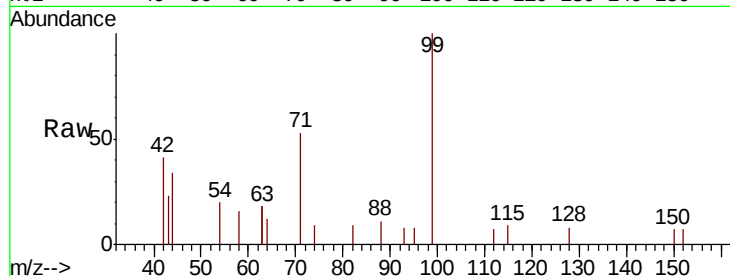
Tot Ion: 99 Resp: 1710

Ion Ratio Lower Upper

99 100

42 31.1 24.6 37.0

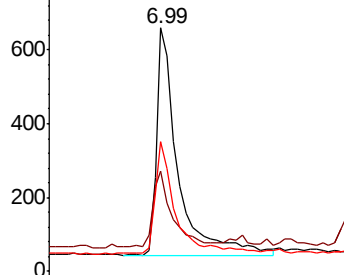
71 46.7 35.1 52.7



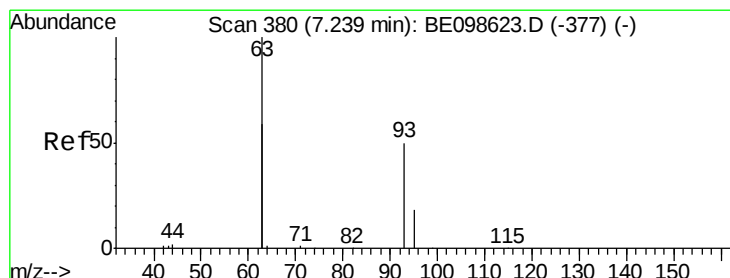
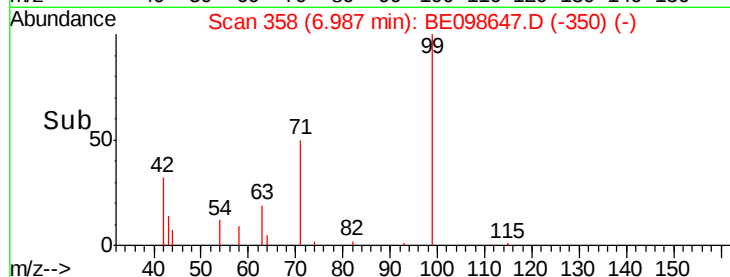
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 6.80 7.00 7.20



#6

bis(2-Chloroethyl)ether

Concen: 0.344 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

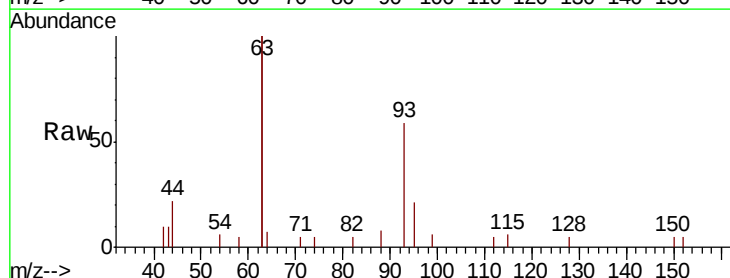
Tgt Ion: 93 Resp: 1093

Ion Ratio Lower Upper

93 100

63 342.6 267.3 400.9

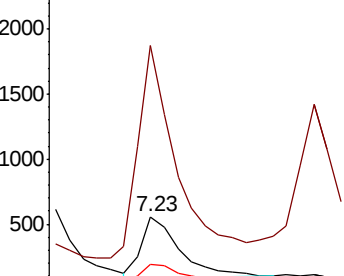
95 38.9 26.2 39.4



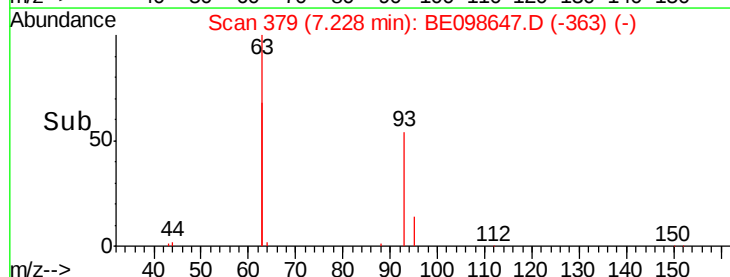
Abundance Ion 93.00 (92.70 to 93.70): BE0

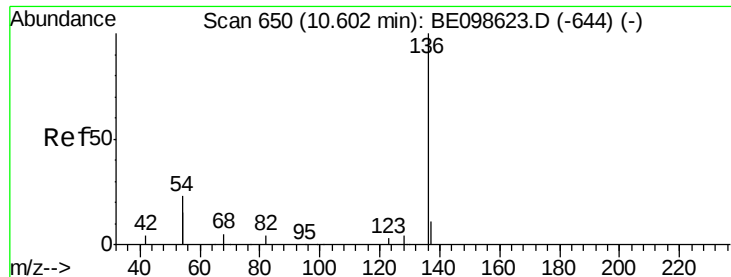
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.15 7.20 7.25 7.30 7.35





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

Tot Ion:136 Resp: 5209

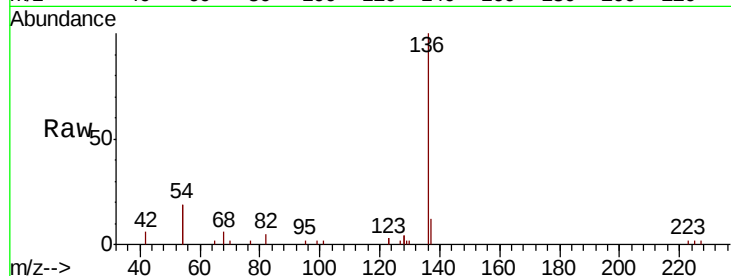
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 38.7 35.5 53.3

68 5.7 5.0 7.6

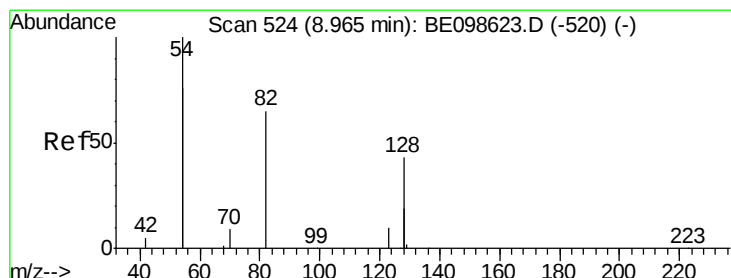
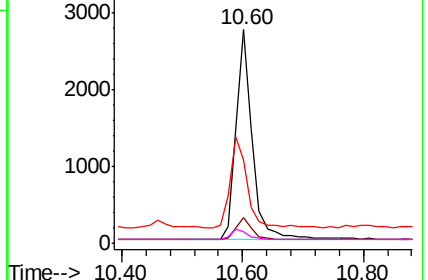
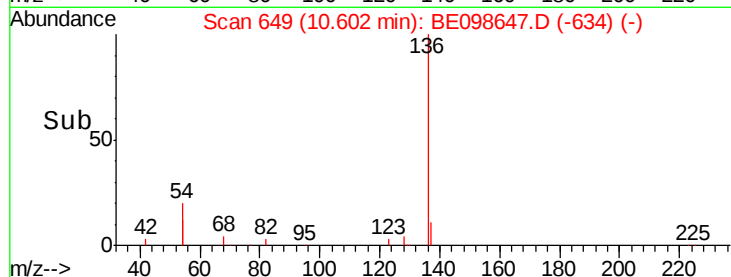


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.407 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

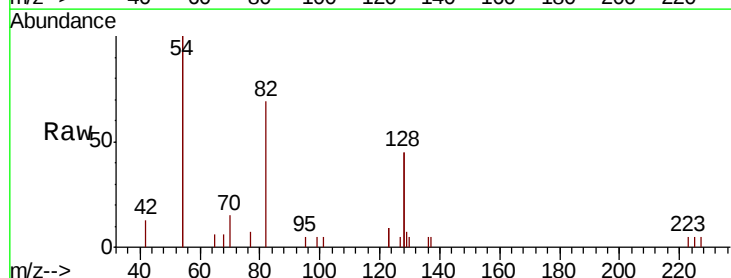
Tgt Ion: 82 Resp: 1683

Ion Ratio Lower Upper

82 100

128 130.4 96.5 144.7

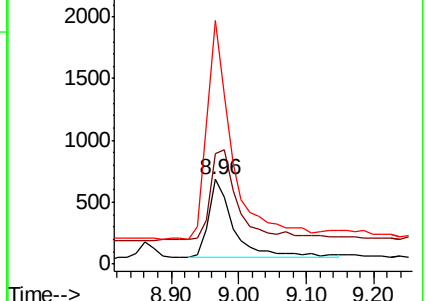
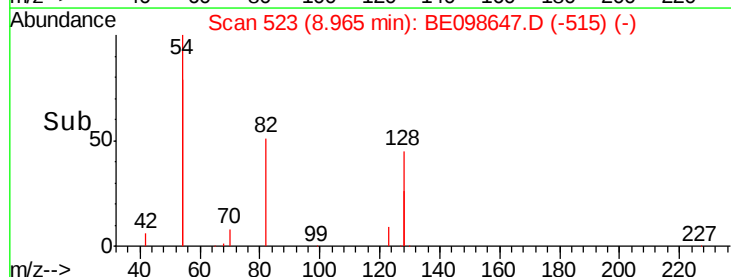
54 288.0 224.7 337.1

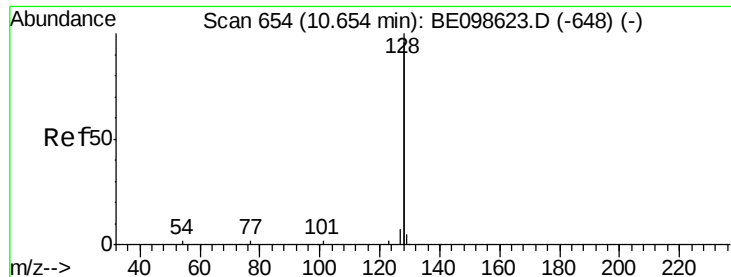


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.363 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

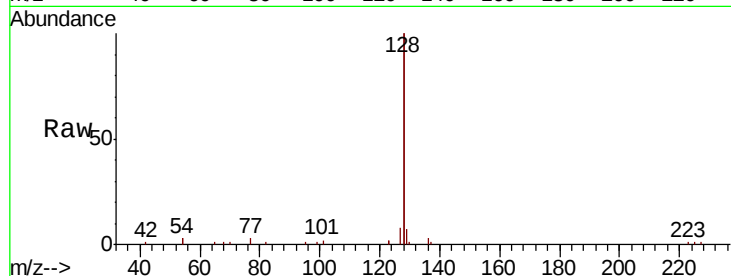
Tot Ion:128 Resp: 18839

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

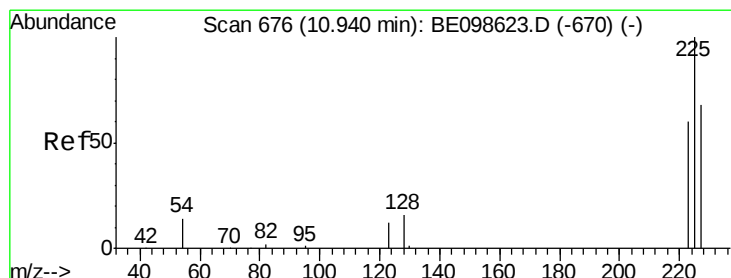
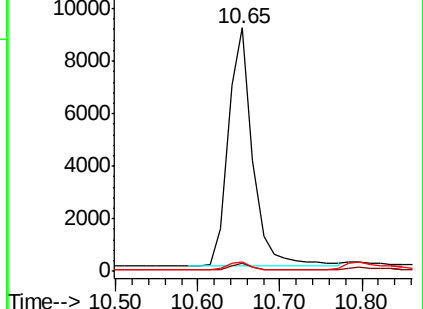
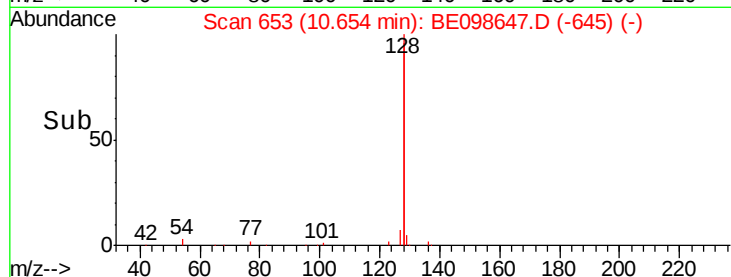
127 3.9 3.0 4.6



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: 0.385 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

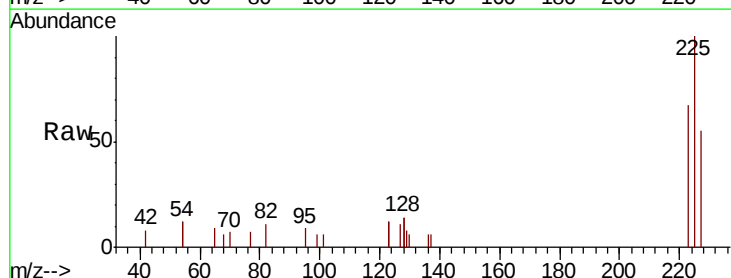
Tgt Ion:225 Resp: 1430

Ion Ratio Lower Upper

225 100

223 64.8 47.8 71.8

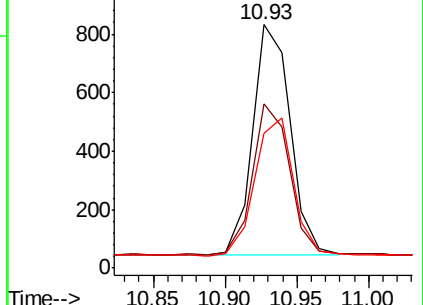
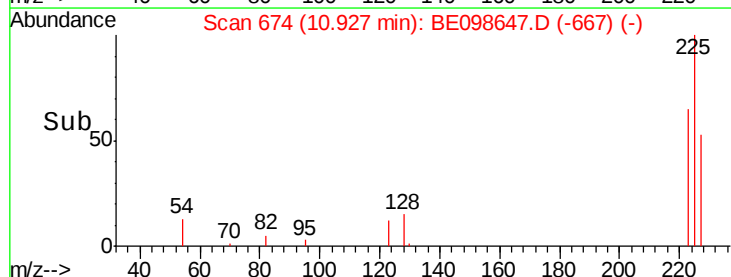
227 61.3 50.5 75.7

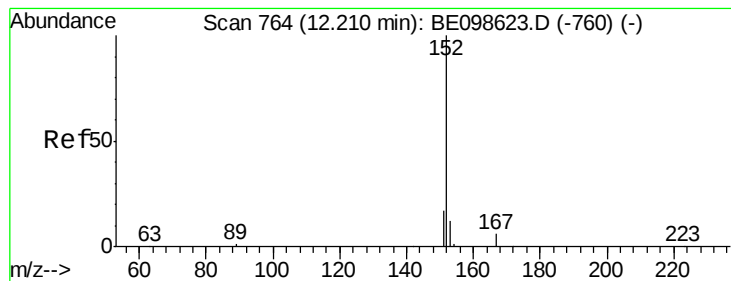


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.370 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

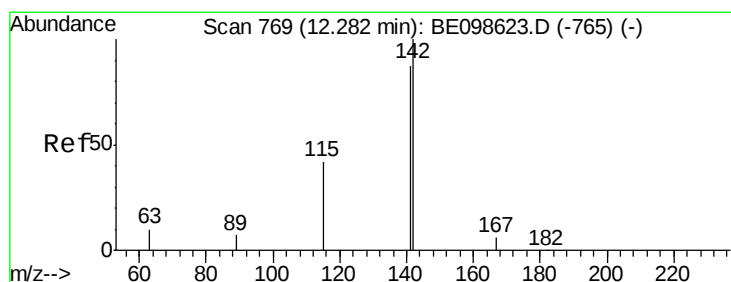
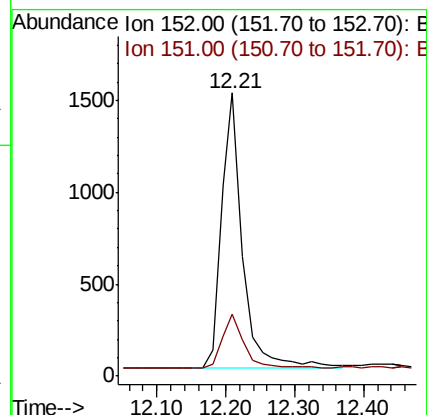
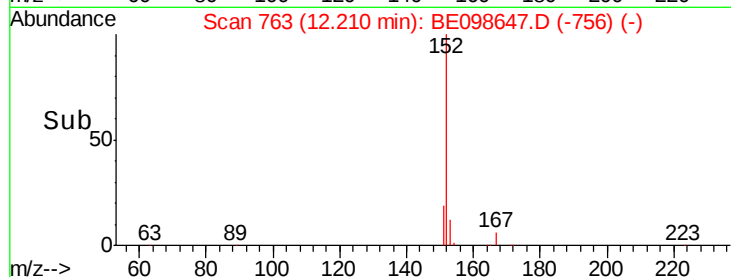
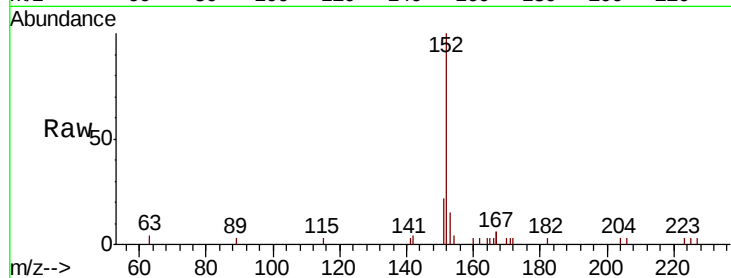
PB116433BS

Tot Ion:152 Resp: 3171

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.362 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

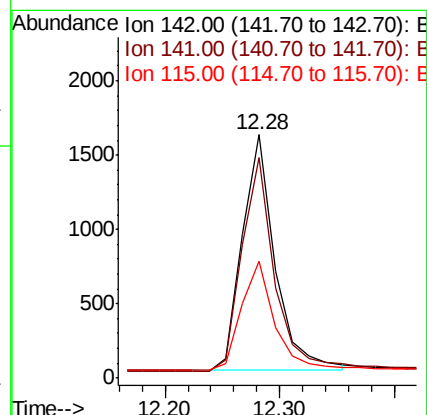
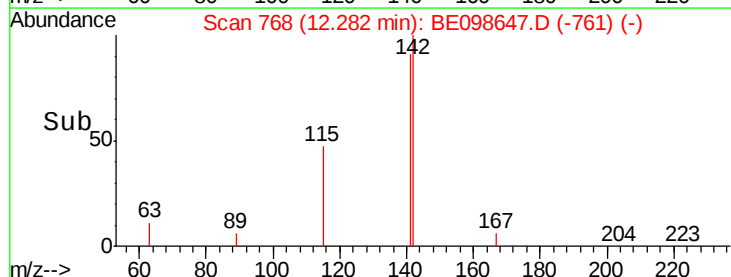
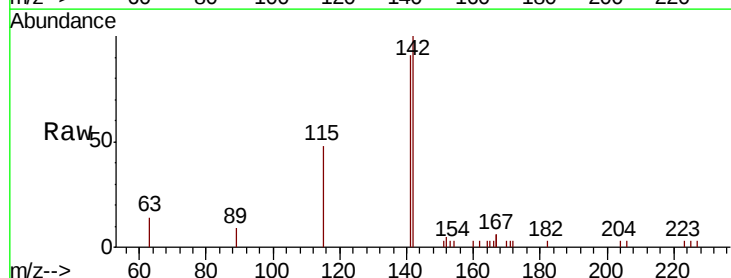
Tgt Ion:142 Resp: 3114

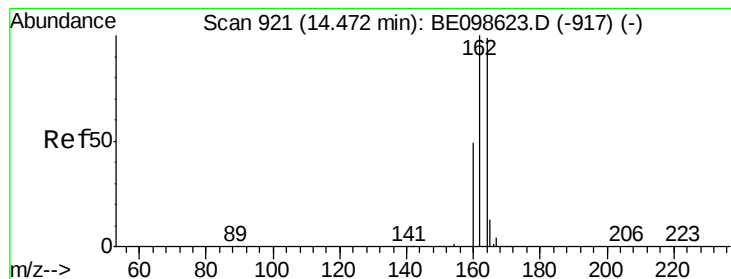
Ion Ratio Lower Upper

142 100

141 90.8 70.0 105.0

115 48.2 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

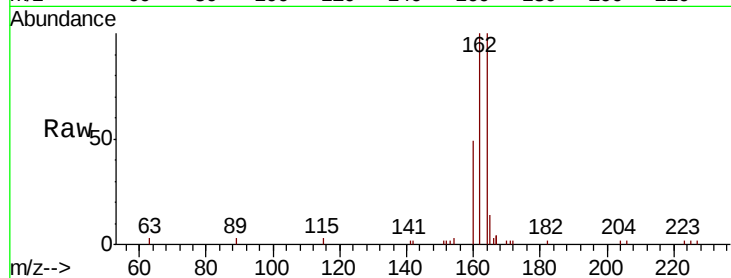
Tot Ion:164 Resp: 3337

Ion Ratio Lower Upper

164 100

162 100.2 80.5 120.7

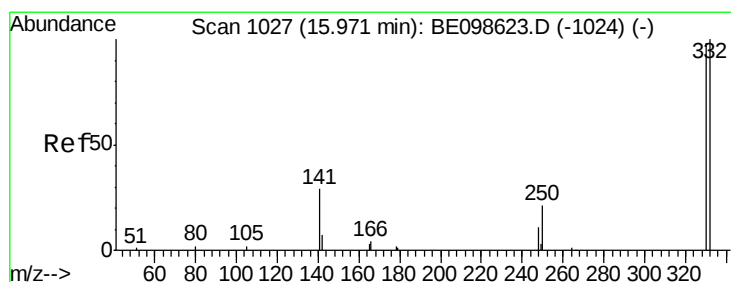
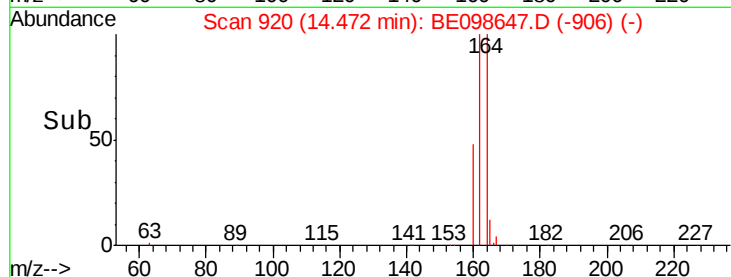
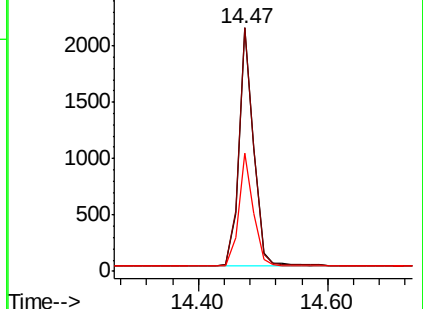
160 48.7 40.1 60.1



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: 0.452 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

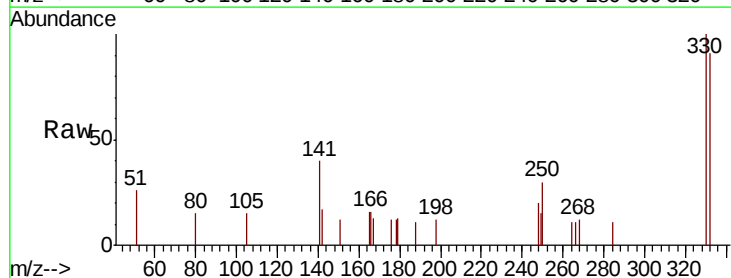
Tgt Ion:330 Resp: 656

Ion Ratio Lower Upper

330 100

332 90.2 73.3 109.9

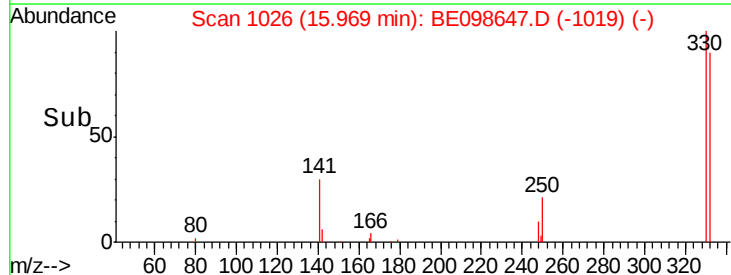
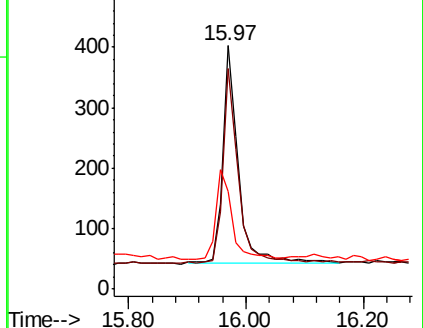
141 43.0 33.1 49.7

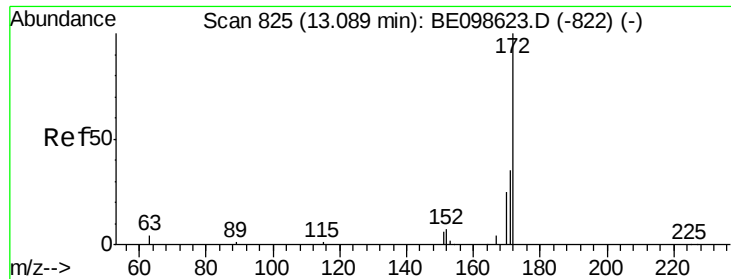


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

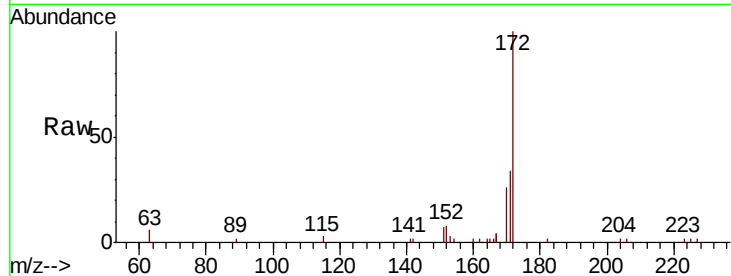




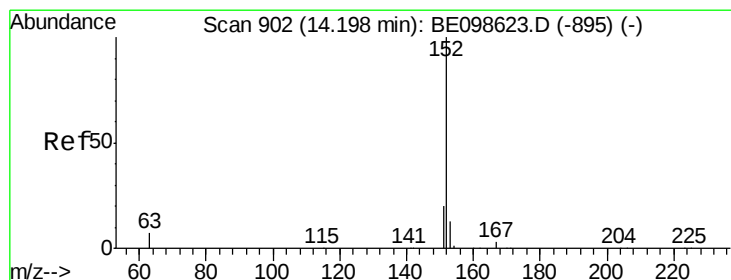
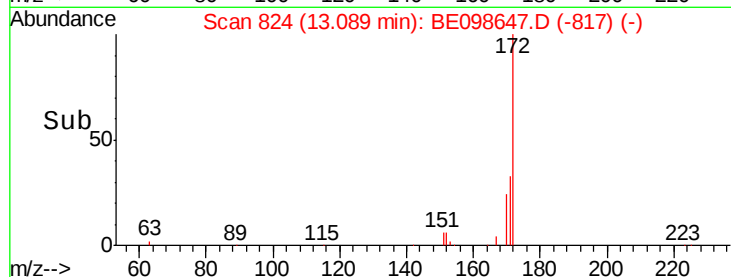
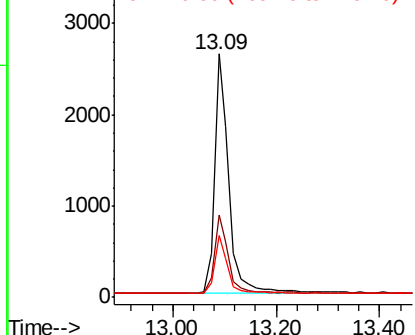
#15
2-Fluorobiphenyl
Concen: 0.371 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tot Ion:172 Resp: 5072
Ion Ratio Lower Upper
172 100
171 34.1 29.0 43.4
170 25.6 20.8 31.2

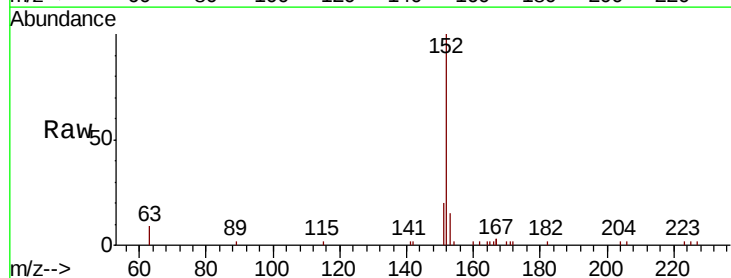


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

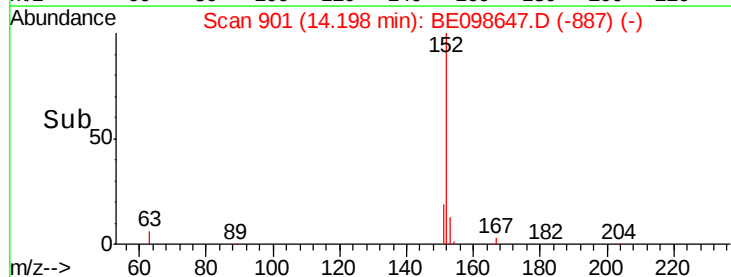
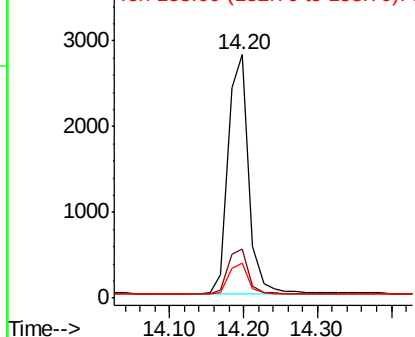


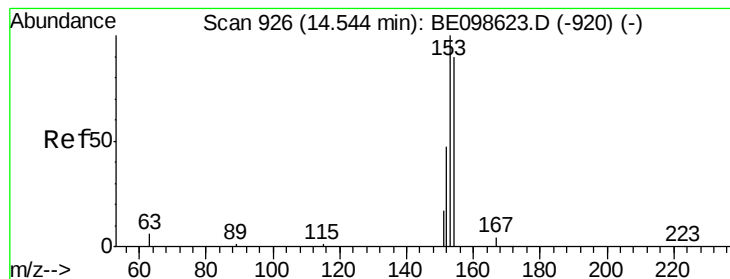
#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

Tgt Ion:152 Resp: 5489
Ion Ratio Lower Upper
152 100
151 19.1 16.3 24.5
153 13.1 10.7 16.1



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: 0.383 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

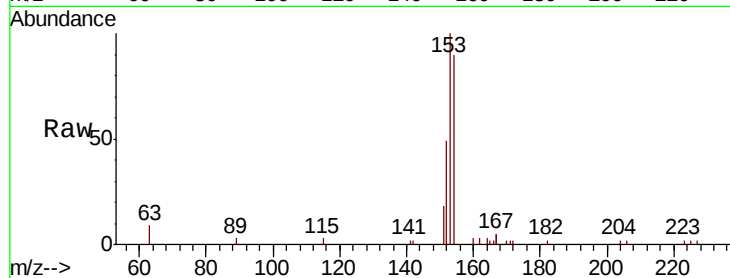
Tot Ion:154 Resp: 3474

Ion Ratio Lower Upper

154 100

153 115.9 93.9 140.9

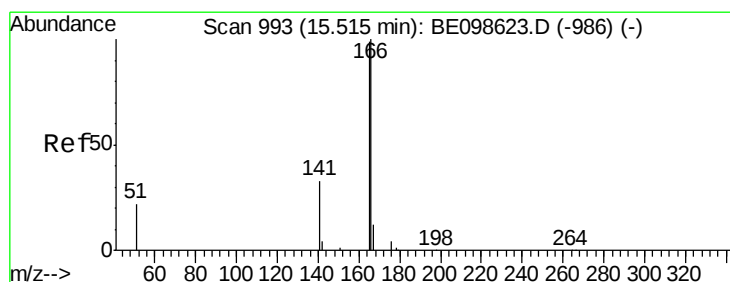
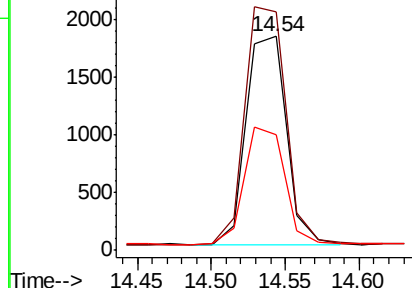
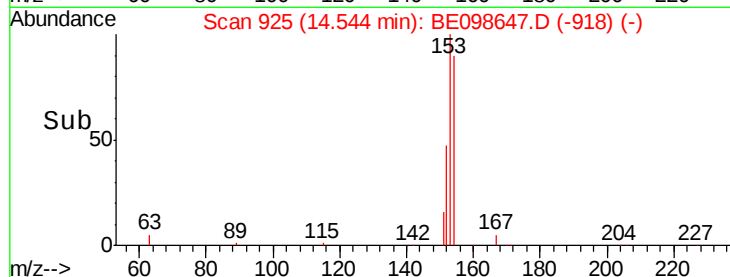
152 56.3 45.8 68.8



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: 0.379 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

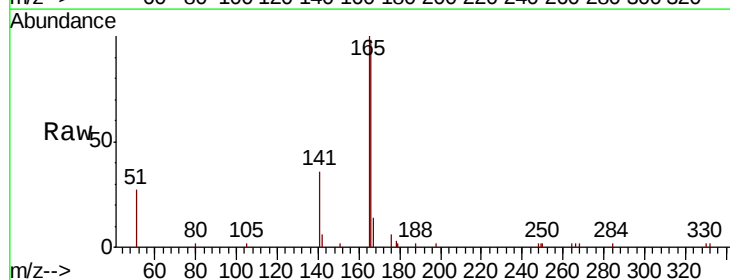
Tgt Ion:166 Resp: 4475

Ion Ratio Lower Upper

166 100

165 100.9 79.3 118.9

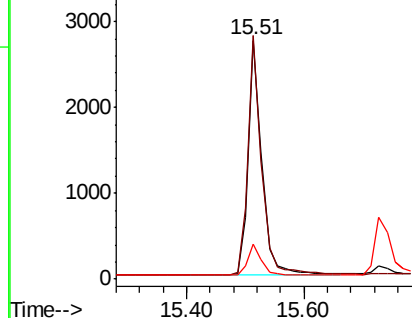
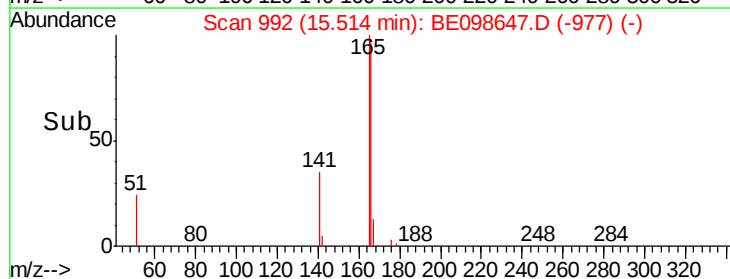
167 13.5 10.6 15.8

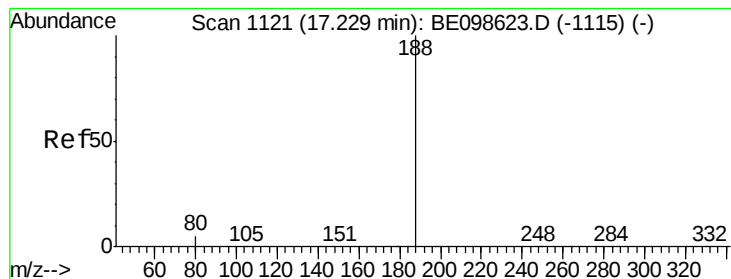


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

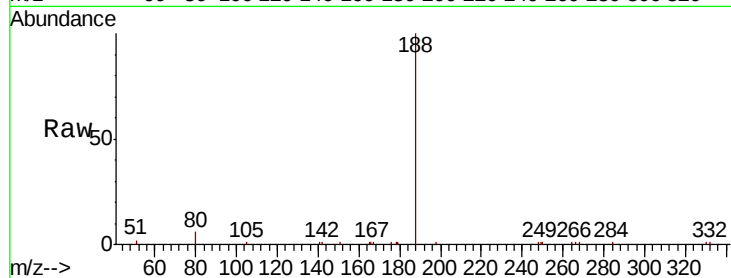
Tot Ion:188 Resp: 8116

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

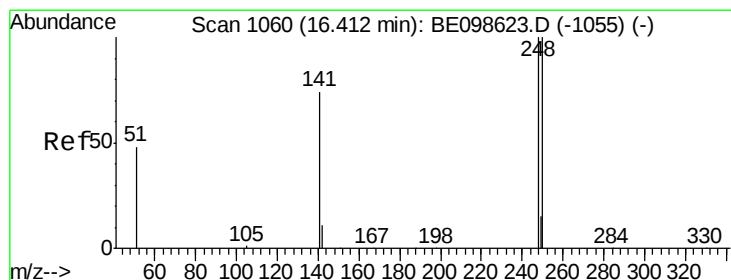
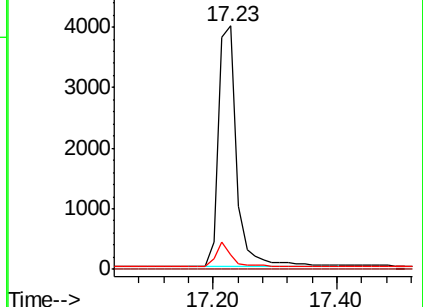
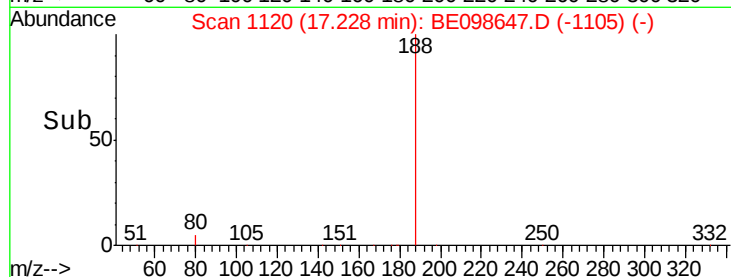
80 6.1 4.7 7.1



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: 0.371 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

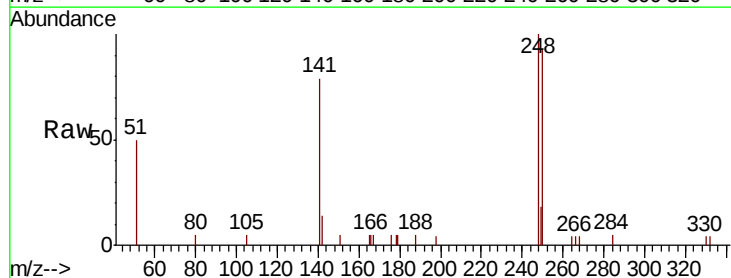
Tgt Ion:248 Resp: 1593

Ion Ratio Lower Upper

248 100

250 92.9 80.2 120.4

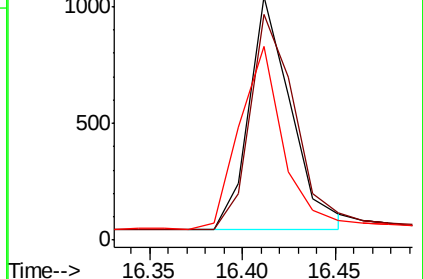
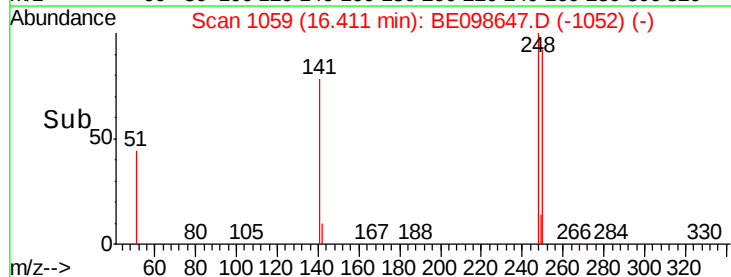
141 79.5 60.5 90.7

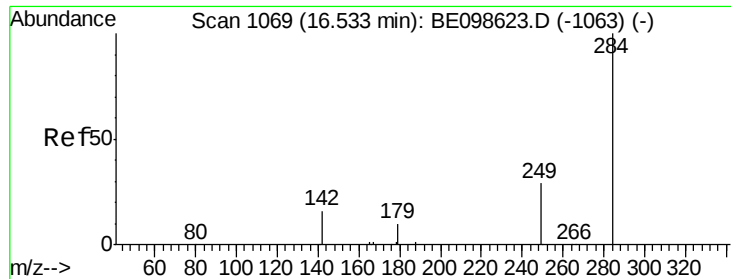


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

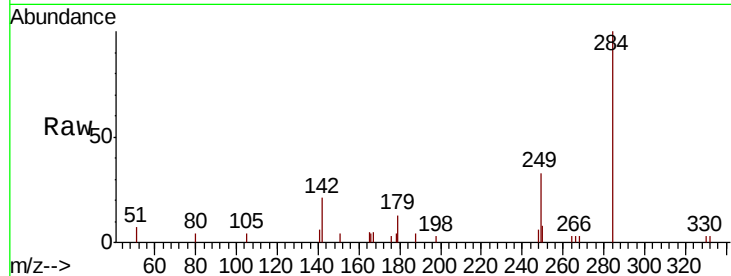




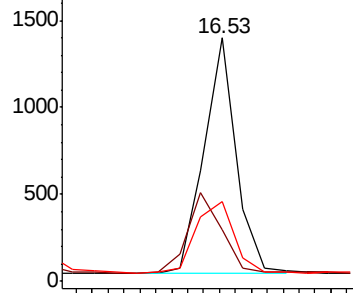
#21
Hexachlorobenzene
Concen: 0.369 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

Instrument :
BNA_E
ClientSampleId :
PB116433BS

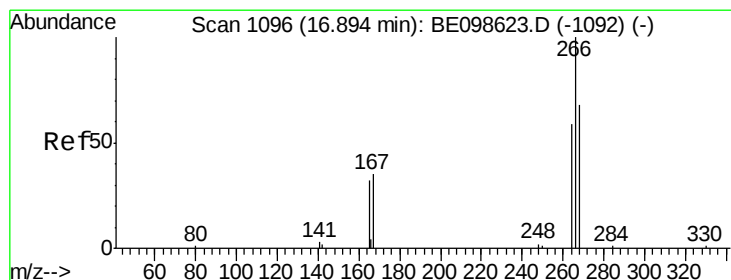
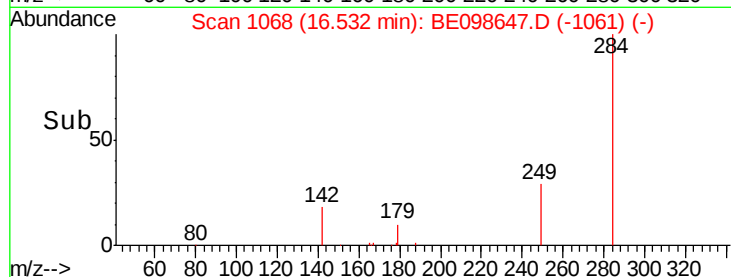
Tot Ion	Ratio	Lower	Upper
284	100		
142	35.5	25.5	38.3
249	35.9	26.6	39.8



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

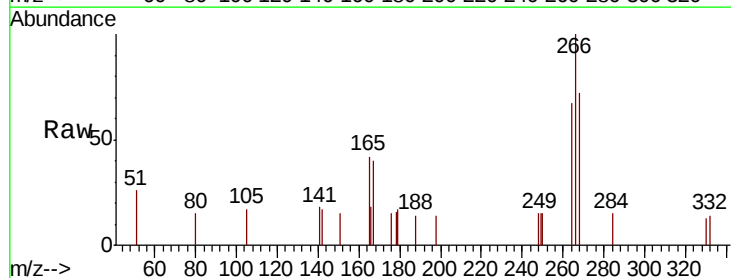


Time-->

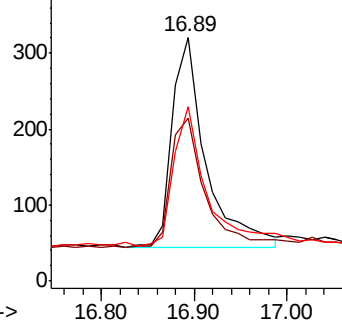


#22
Pentachlorophenol
Concen: 0.526 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

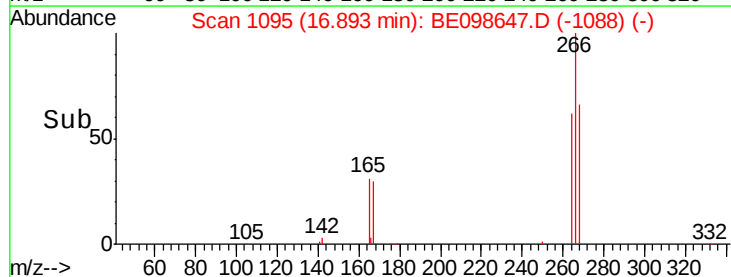
Tgt Ion	Ratio	Lower	Upper
266	100		
264	67.0	53.7	80.5
268	71.7	59.8	89.8

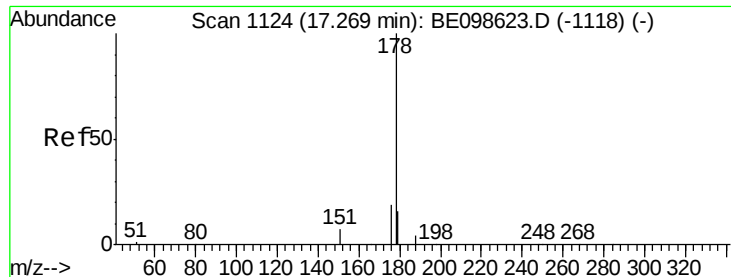


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.370 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

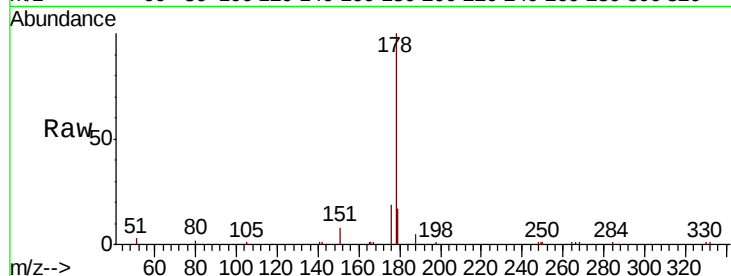
Tot Ion:178 Resp: 7114

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

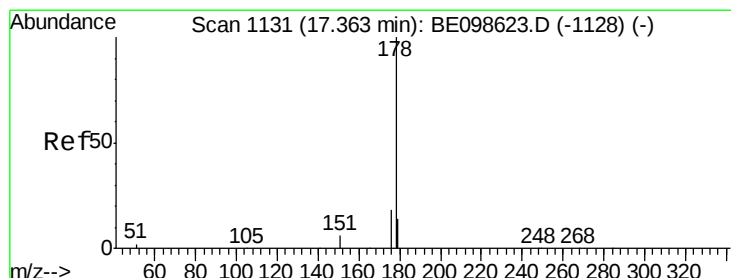
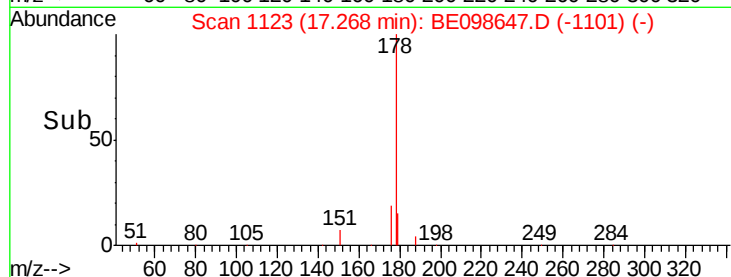
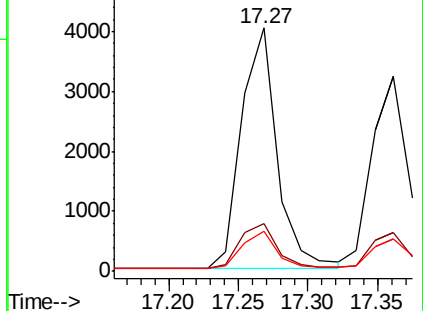
179 15.4 12.2 18.4



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: 0.354 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

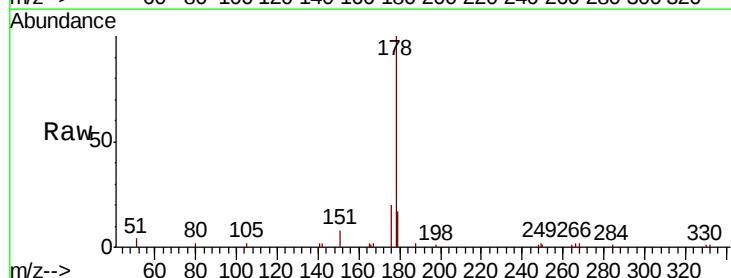
Tgt Ion:178 Resp: 5828

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

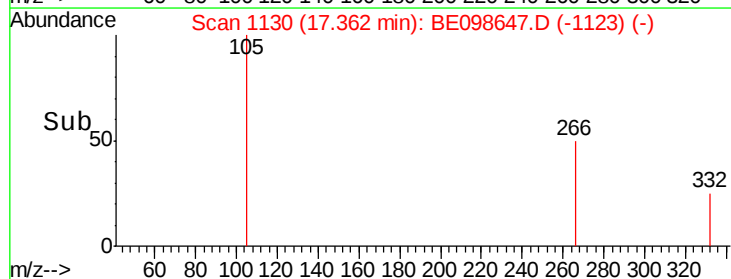
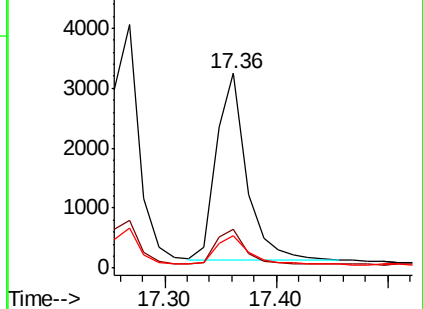
179 16.5 11.8 17.8

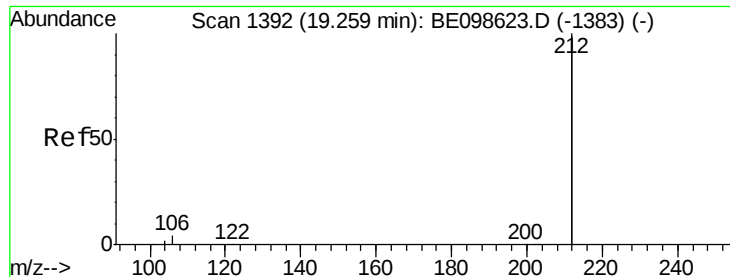


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

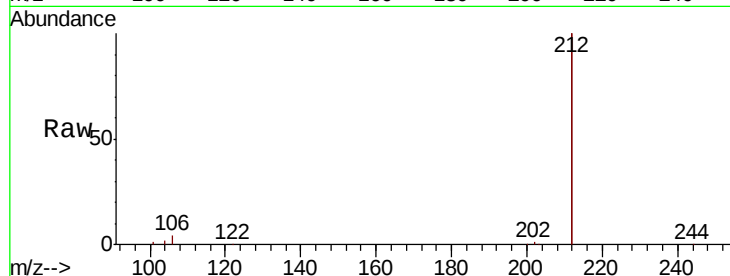
Tot Ion:212 Resp: 36609

Ion Ratio Lower Upper

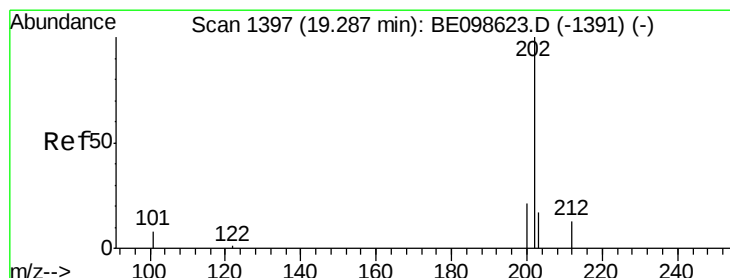
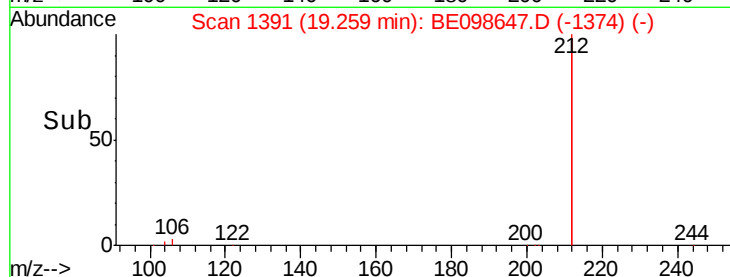
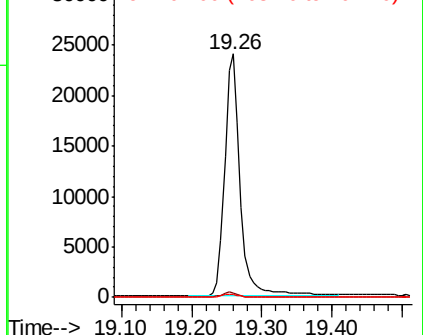
212 100

106 1.9 1.7 2.5

104 1.2 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: 0.363 ng

RT: 19.29 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

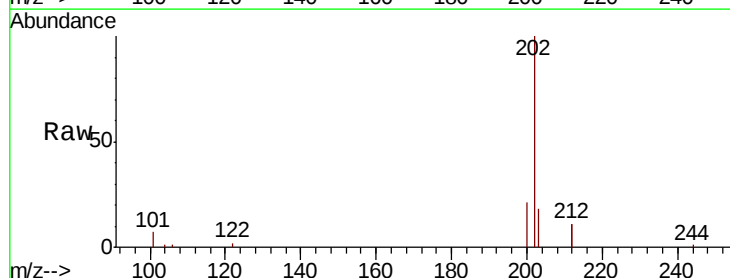
Tgt Ion:202 Resp: 8983

Ion Ratio Lower Upper

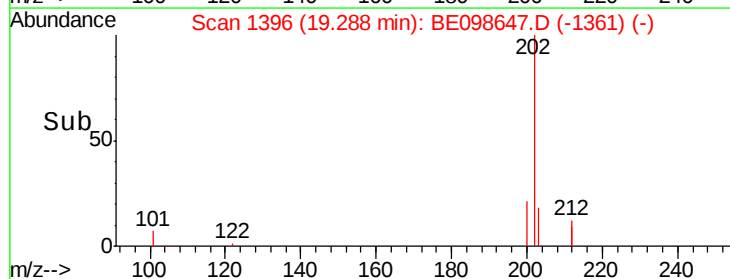
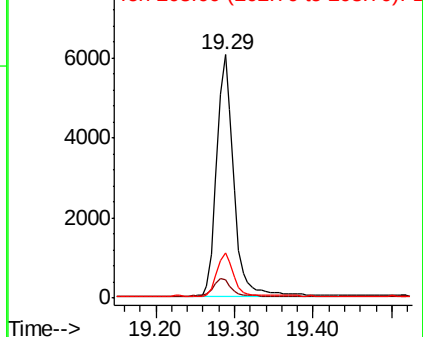
202 100

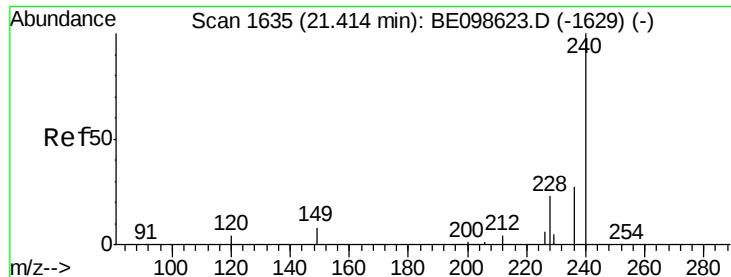
101 7.5 6.7 10.1

203 17.0 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

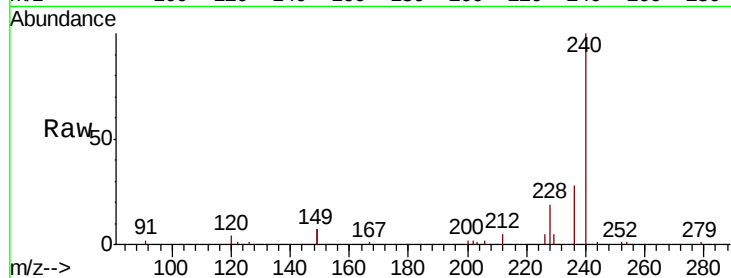




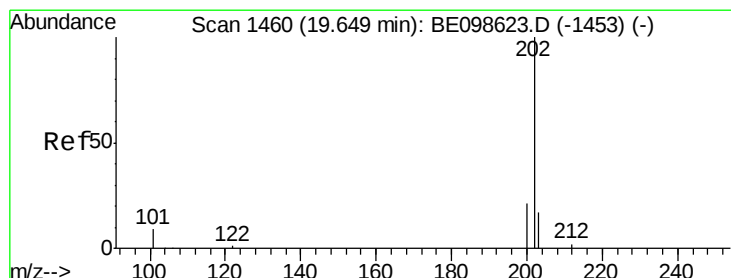
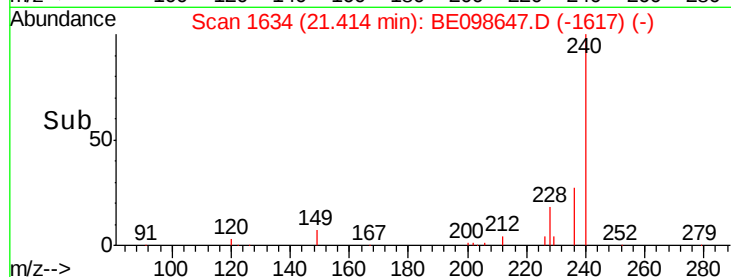
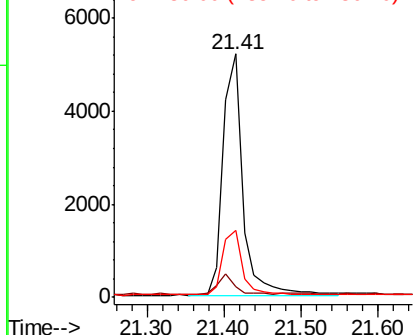
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tot Ion:240 Resp: 9192
Ion Ratio Lower Upper
240 100
120 4.2 4.7 7.1#
236 27.7 21.9 32.9

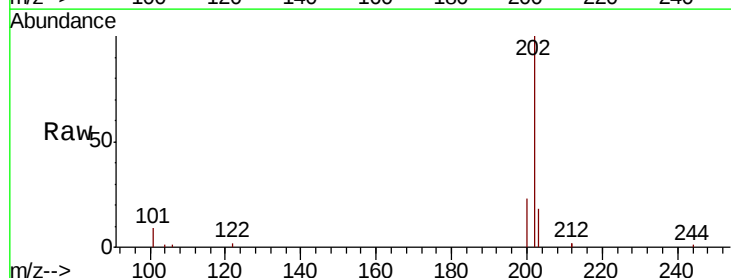


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

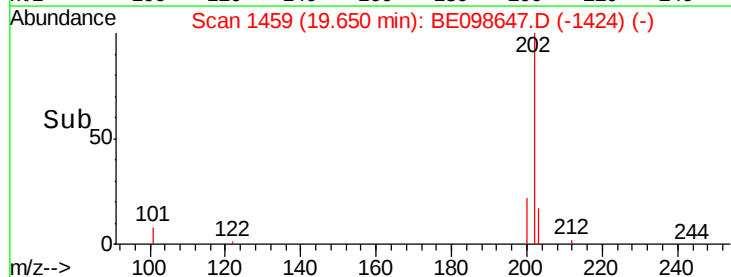
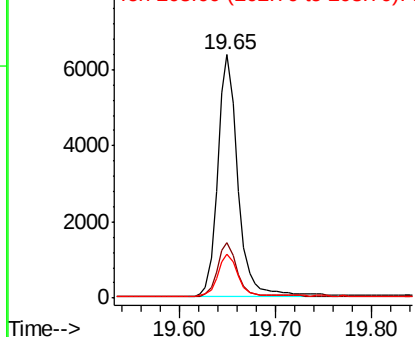


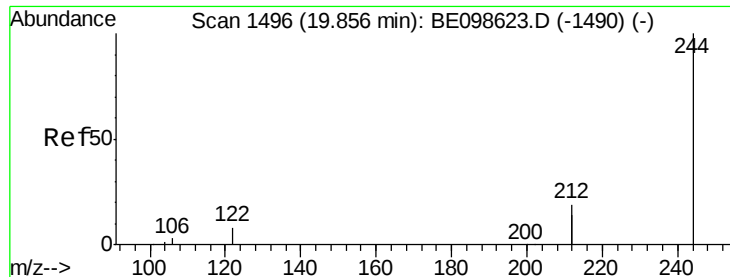
#28
Pyrene
Concen: 0.366 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

Tgt Ion:202 Resp: 9263
Ion Ratio Lower Upper
202 100
200 21.9 17.0 25.6
203 17.6 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: 0.380 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

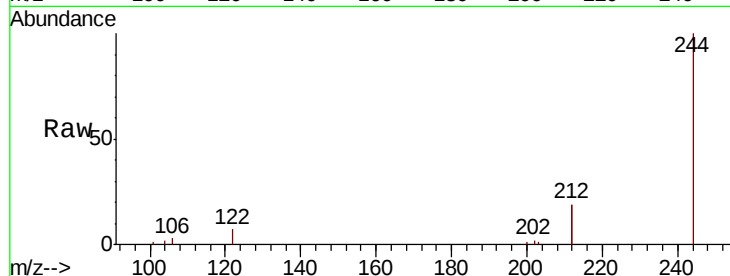
Tot Ion:244 Resp: 7728

Ion Ratio Lower Upper

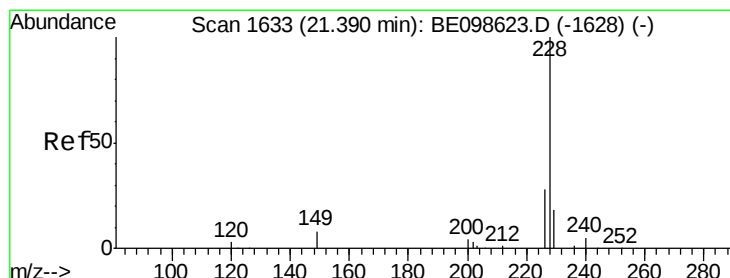
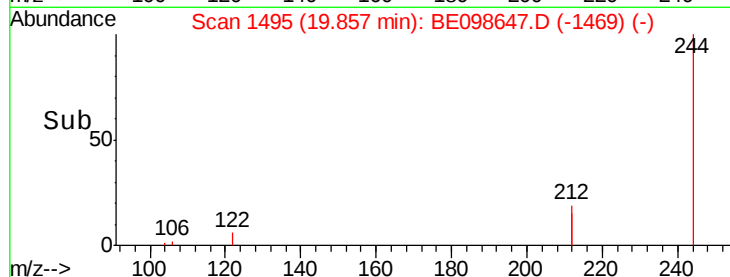
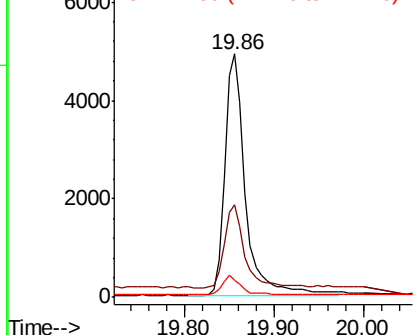
244 100

212 37.9 29.4 44.2

122 7.0 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: 0.390 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

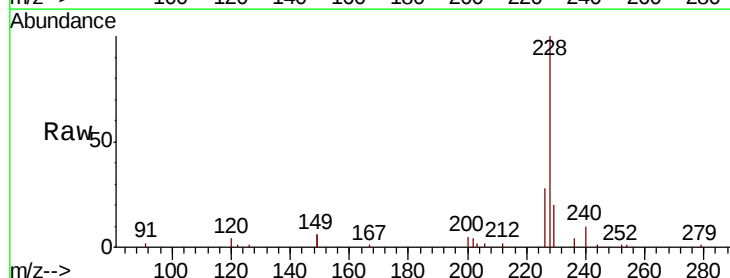
Tgt Ion:228 Resp: 9631

Ion Ratio Lower Upper

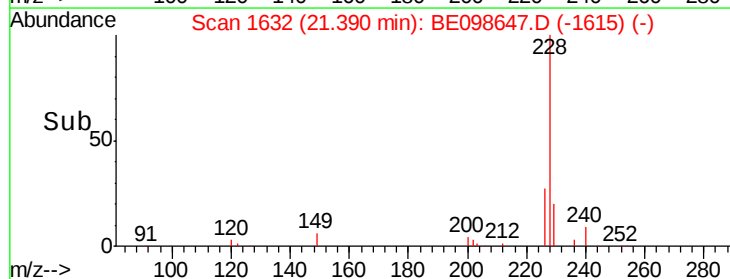
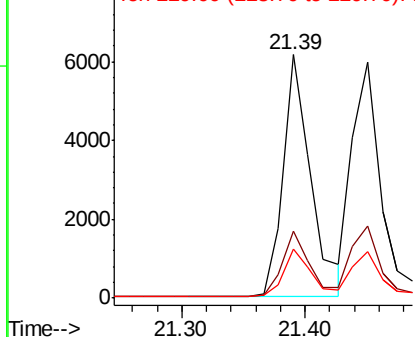
228 100

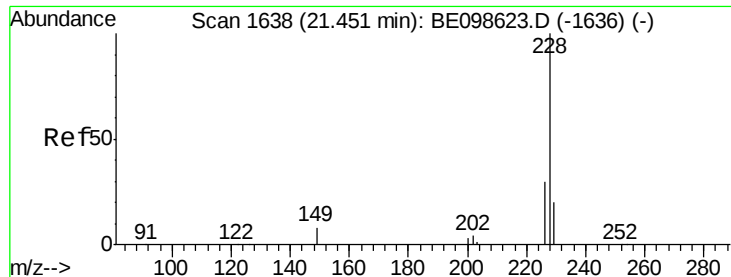
226 27.6 23.0 34.4

229 20.3 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: 0.366 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

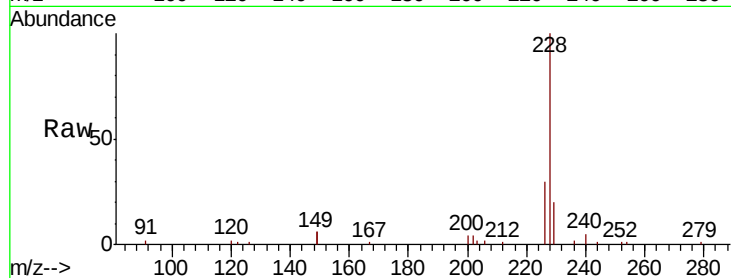
Tot Ion:228 Resp: 9380

Ion Ratio Lower Upper

228 100

226 30.3 24.6 36.8

229 19.8 16.4 24.6

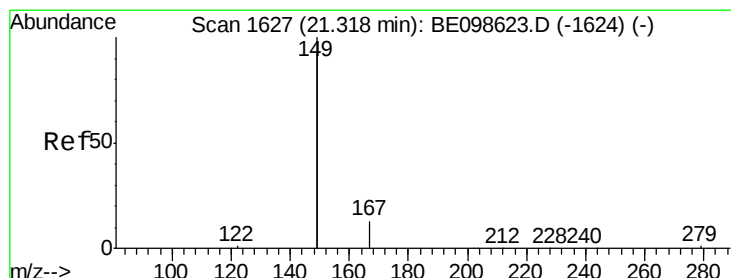
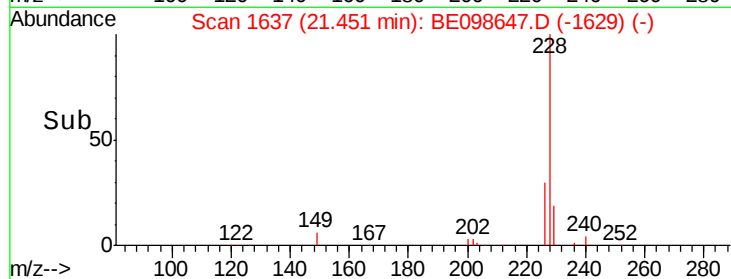
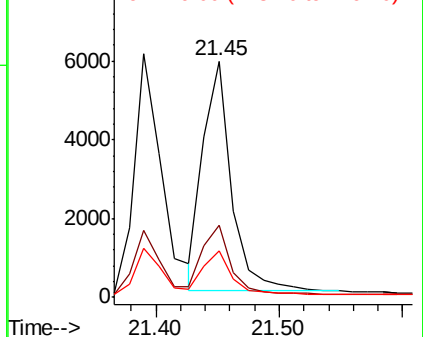


Abundance

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: 0.351 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

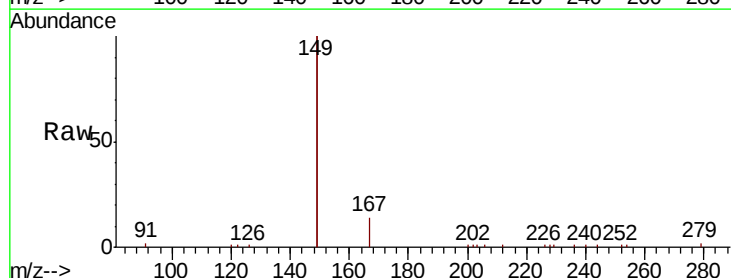
Tgt Ion:149 Resp: 18392

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.2

279 1.2 1.0 1.4

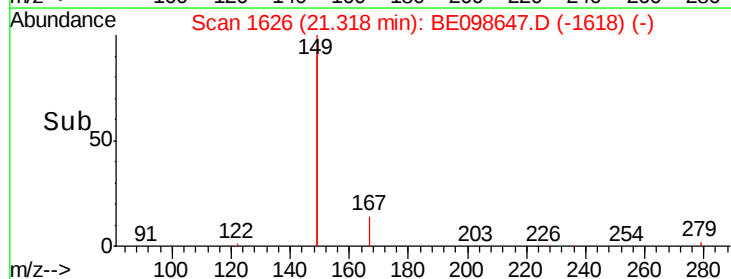
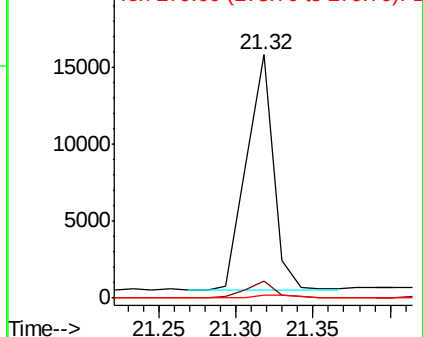


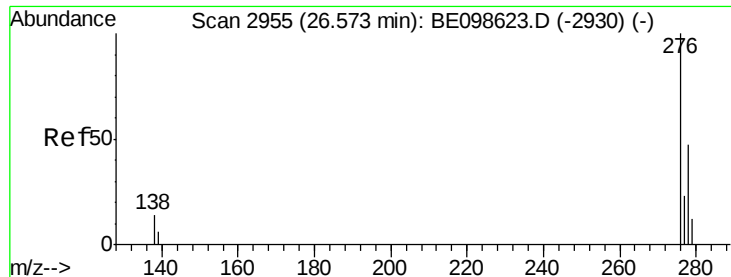
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.390 ng

RT: 26.57 min Scan# 2953

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

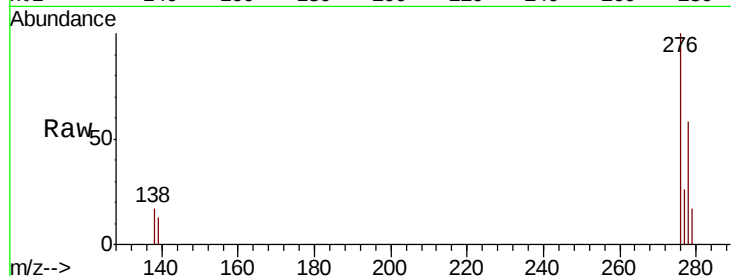
Tot Ion:276 Resp: 10293

Ion Ratio Lower Upper

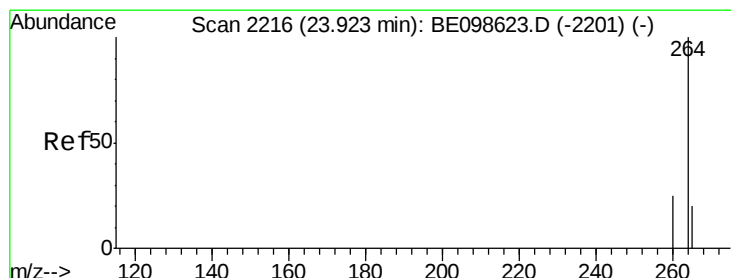
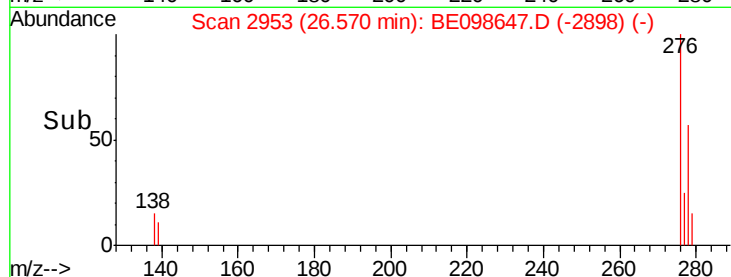
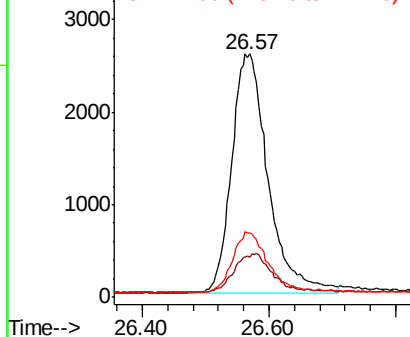
276 100

138 16.6 13.3 19.9

277 24.5 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: 23.92 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

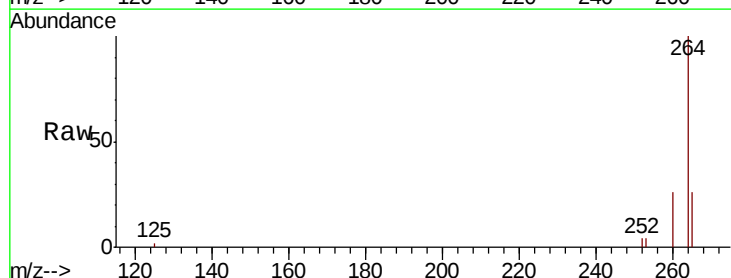
Tgt Ion:264 Resp: 9175

Ion Ratio Lower Upper

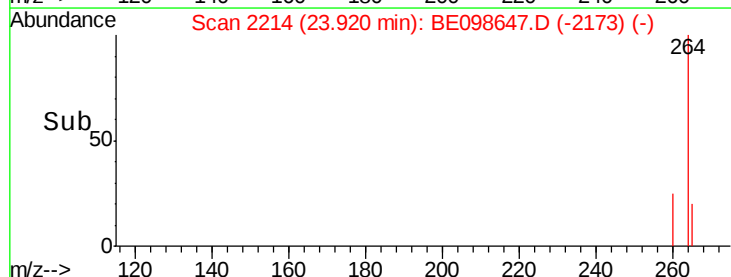
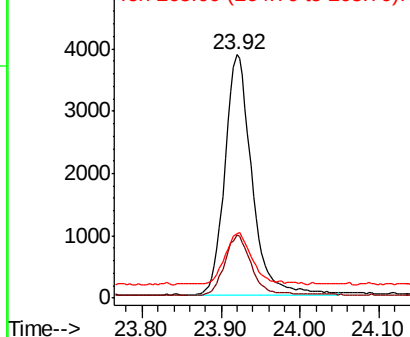
264 100

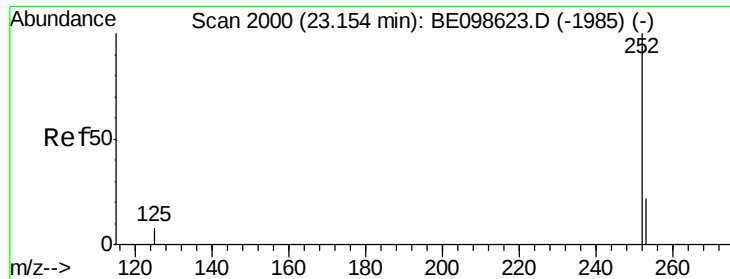
260 25.7 20.5 30.7

265 26.2 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: 0.365 ng

RT: 23.15 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

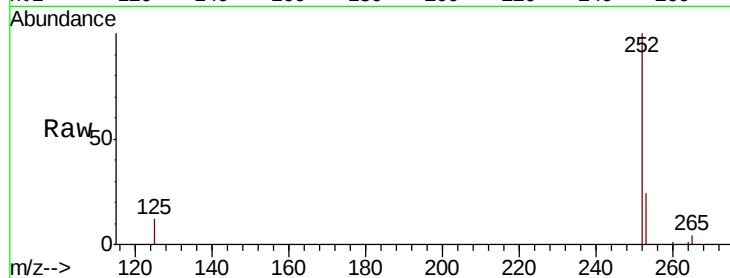
Tot Ion:252 Resp: 9130

Ion Ratio Lower Upper

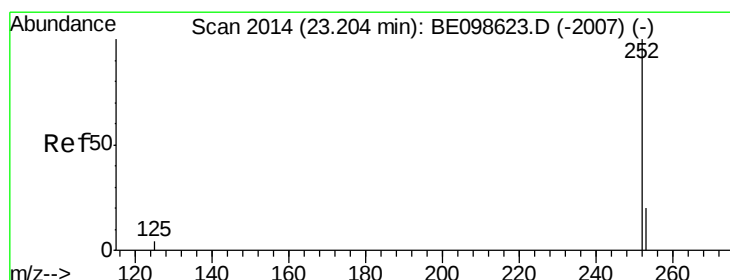
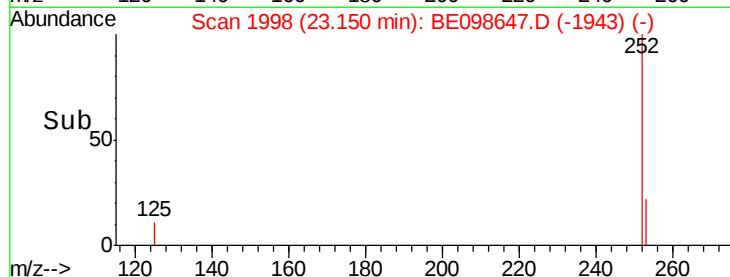
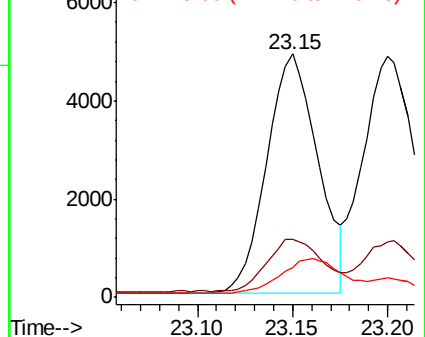
252 100

253 23.6 19.4 29.0

125 12.1 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: 0.371 ng

RT: 23.20 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

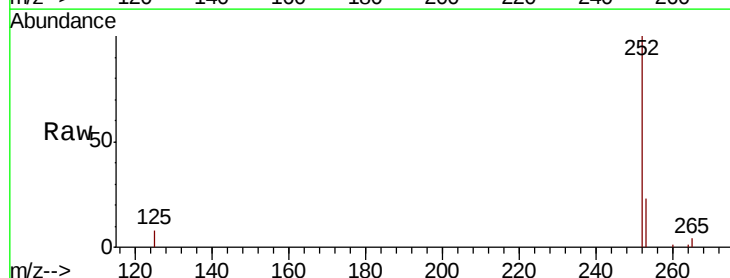
Tgt Ion:252 Resp: 10158

Ion Ratio Lower Upper

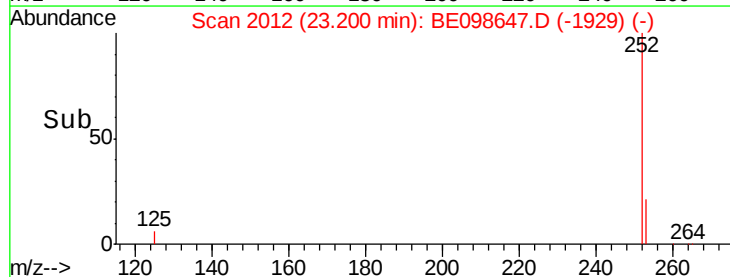
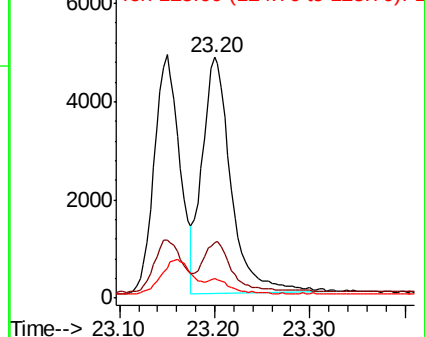
252 100

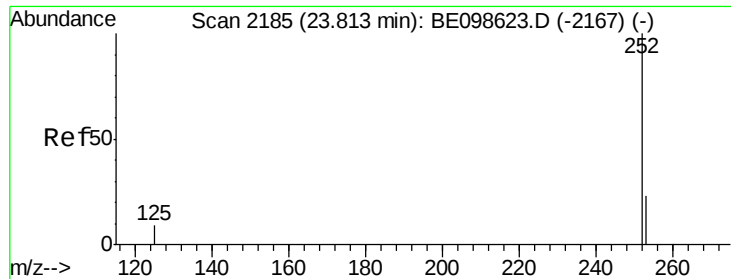
253 22.9 19.0 28.4

125 8.0 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

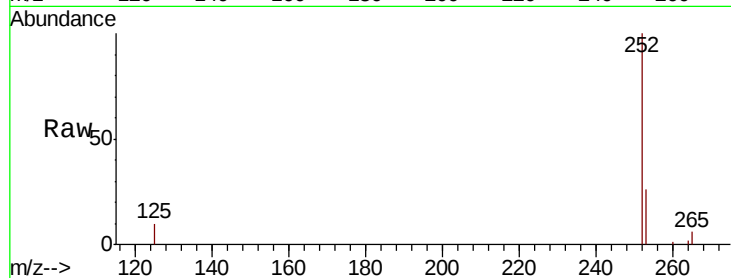




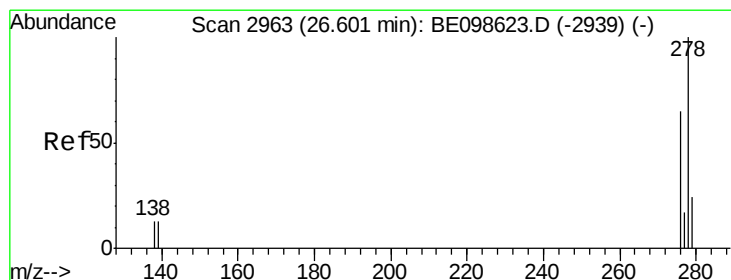
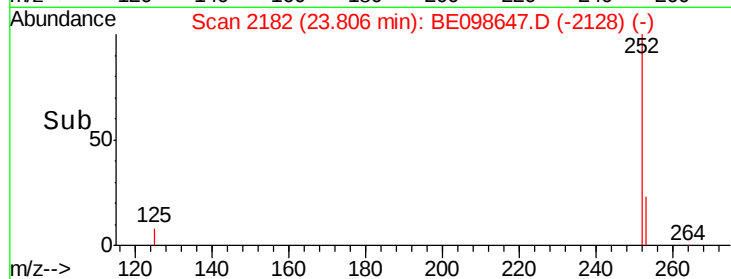
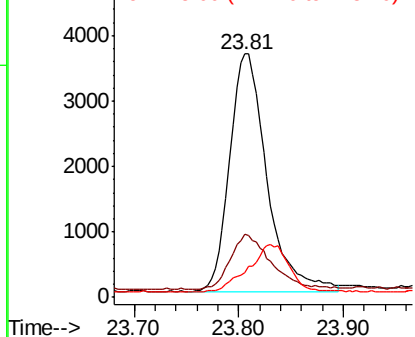
#37
Benzo(a)pyrene
Concen: 0.365 ng
RT: 23.81 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

Instrument :
BNA_E
ClientSampleId :
PB116433BS

Tot Ion:252 Resp: 8962
Ion Ratio Lower Upper
252 100
253 25.9 21.0 31.4
125 10.2 9.2 13.8

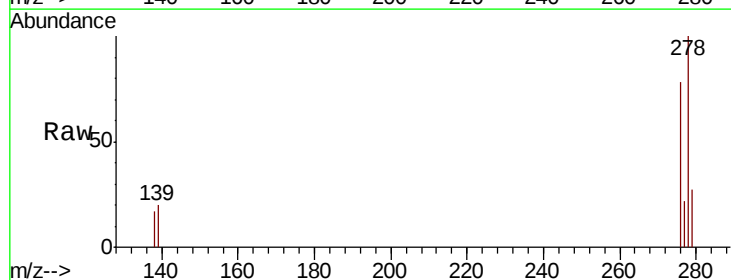


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

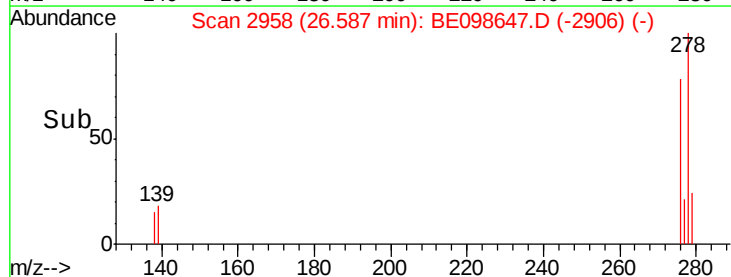
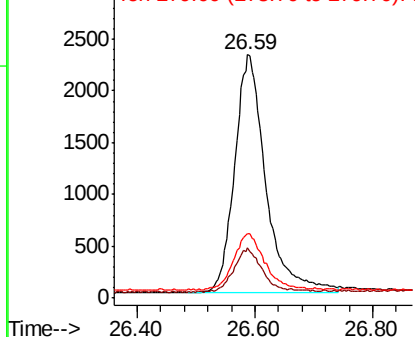


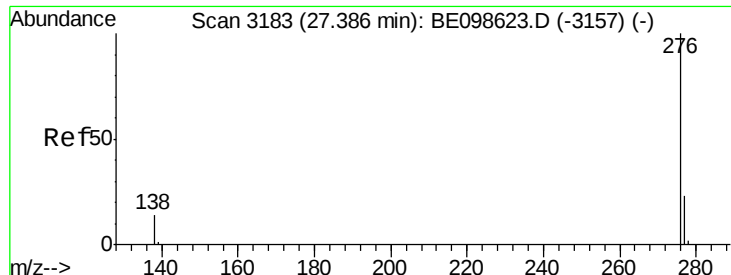
#38
Dibenzo(a,h)anthracene
Concen: 0.391 ng
RT: 26.59 min Scan# 2958
Delta R.T. -0.01 min
Lab File: BE098647.D
Acq: 17 Jan 2019 9:53

Tgt Ion:278 Resp: 8518
Ion Ratio Lower Upper
278 100
139 20.5 12.7 19.1#
279 26.5 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(a,h,i)perylene

Concen: 0.366 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE098647.D

Acq: 17 Jan 2019 9:53

Instrument :

BNA_E

ClientSampleId :

PB116433BS

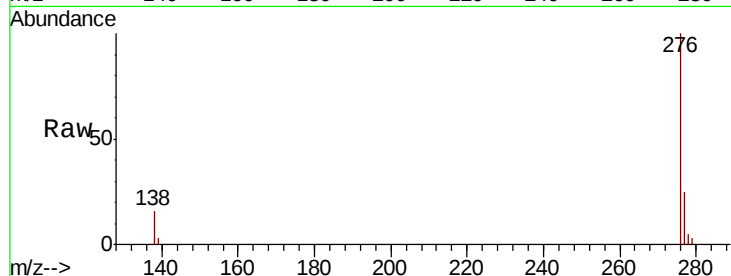
Tot Ion: 276 Resp: 8738

Ion Ratio Lower Upper

276 100

277 24.9 20.3 30.5

138 15.6 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

