

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111218\
 Data File : BE098201.D
 Acq On : 12 Nov 2018 22:32
 Operator : SJ/JU
 Sample : PB114718BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB114718BS

Quant Time: Nov 13 03:50:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 13:32:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	997	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	3940	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2434	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	6909	0.40	ng	0.00
27) Chrysene-d12	21.46	240	8891	0.40	ng	0.00
34) Perylene-d12	24.01	264	8382	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	294	0.10	ng	0.00
5) Phenol-d6	7.05	99	623	0.14	ng	0.00
8) Nitrobenzene-d5	9.02	82	297	0.08	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	370	0.05	ng	-0.04
14) 2,4,6-Tribromophenol	16.02	330	218	0.21	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	1150	0.11	ng	0.00
25) Fluoranthene-d10	19.31	212	65	0.00	ng	0.00
29) Terphenyl-d14	19.91	244	2247	0.11	ng	0.00

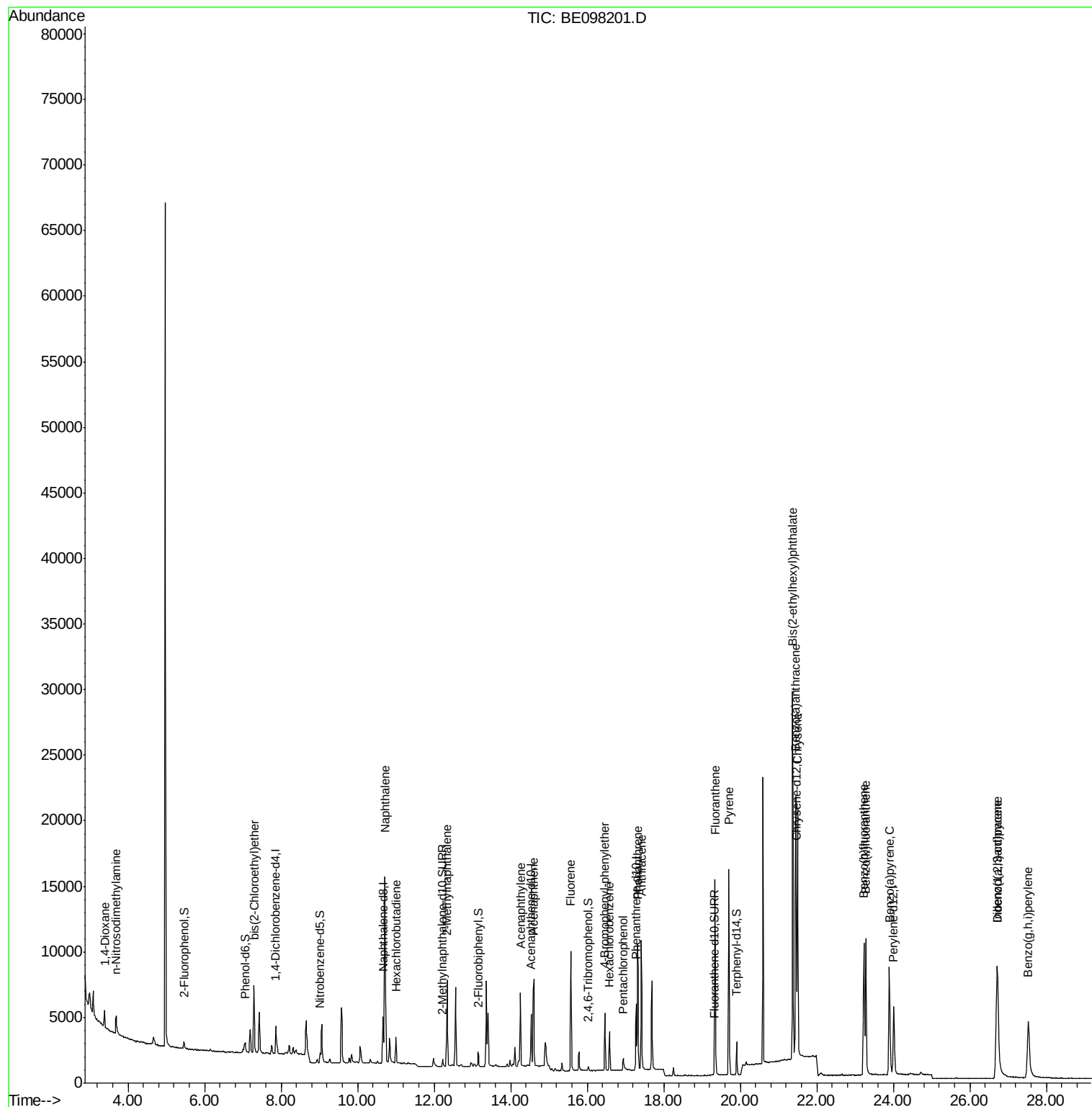
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	712	0.475	ng	# 49
3) n-Nitrosodimethylamine	3.68	42	1187	0.607	ng	# 86
6) bis(2-Chloroethyl)ether	7.29	93	1914	0.525	ng	99
9) Naphthalene	10.72	128	24765	0.618	ng	99
10) Hexachlorobutadiene	11.00	225	1408	0.565	ng	97
12) 2-Methylnaphthalene	12.34	142	4282	0.616	ng	94
16) Acenaphthylene	14.25	152	6975	0.625	ng	99
17) Acenaphthene	14.60	154	3963	0.582	ng	98
18) Fluorene	15.57	166	5861	0.672	ng	97
20) 4-Bromophenyl-phenylether	16.46	248	2199	0.522	ng	94
21) Hexachlorobenzene	16.58	284	2330	0.532	ng	99
22) Pentachlorophenol	16.94	266	699	0.796	ng	98
23) Phenanthrene	17.32	178	10918	0.634	ng	99
24) Anthracene	17.41	178	10438	0.651	ng	99
26) Fluoranthene	19.34	202	14580	0.684	ng	99
28) Pyrene	19.70	202	14920	0.610	ng	100
30) Benzo(a)anthracene	21.45	228	16437	0.651	ng	99
31) Chrysene	21.50	228	16164	0.630	ng	100
32) Bis(2-ethylhexyl)phthalate	21.37	149	30800	0.587	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	15781	0.671	ng	# 91
35) Benzo(b)fluoranthene	23.23	252	15329	0.645	ng	96
36) Benzo(k)fluoranthene	23.28	252	15743	0.627	ng	99
37) Benzo(a)pyrene	23.90	252	14772	0.648	ng	99
38) Dibenzo(a,h)anthracene	26.73	278	12889	0.663	ng	# 92
39) Benzo(g,h,i)perylene	27.52	276	13322	0.657	ng	98

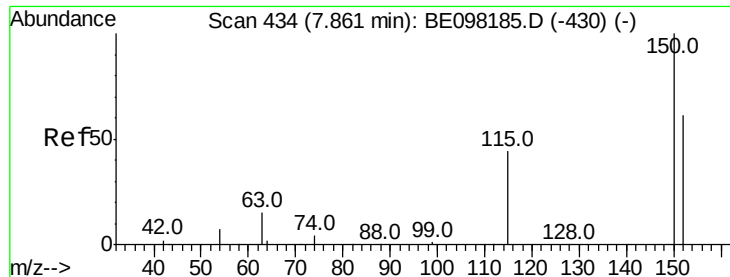
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 12 13:32:15 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

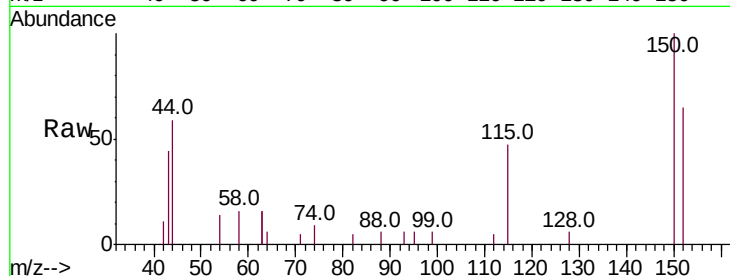
Tot Ion:152 Resp: 997

Ion Ratio Lower Upper

152 100

150 153.2 127.5 191.3

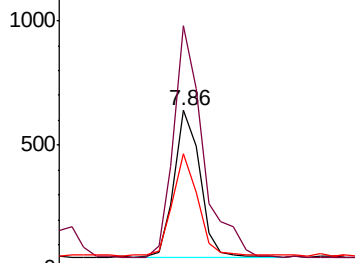
115 72.6 60.3 90.5



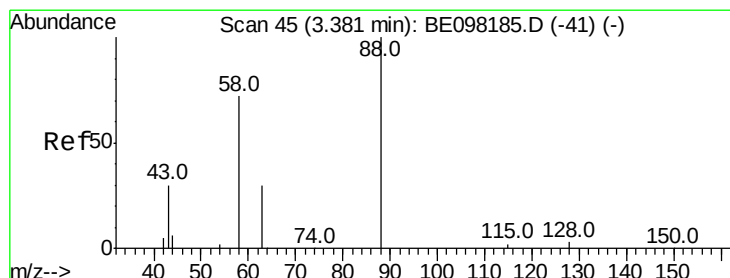
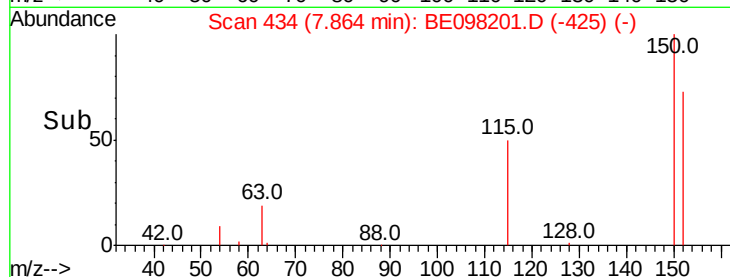
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.475 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

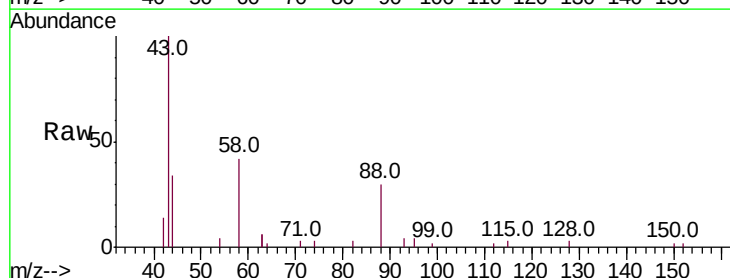
Tgt Ion: 88 Resp: 712

Ion Ratio Lower Upper

88 100

58 109.1 79.0 118.4

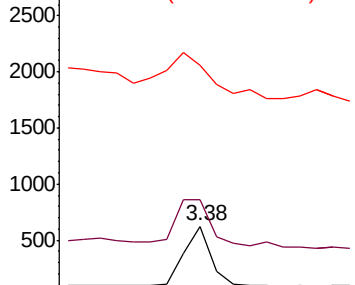
43 137.9 38.1 57.1#



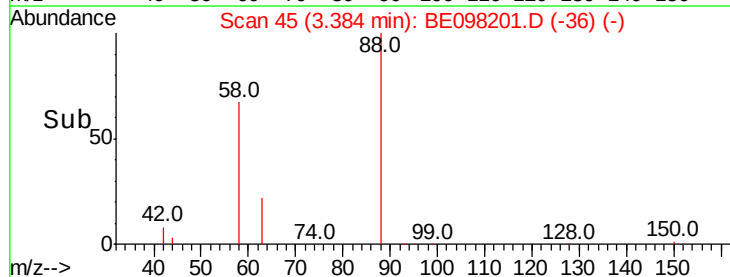
Abundance Ion 88.00 (87.70 to 88.70): BE0

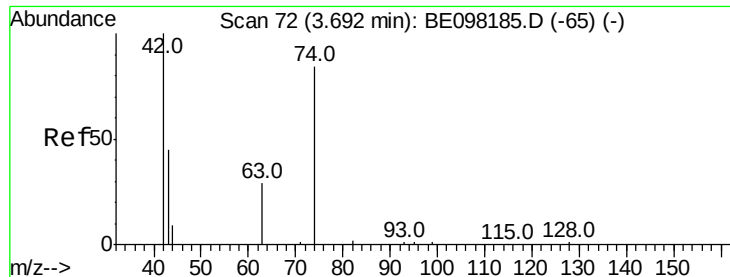
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.607 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

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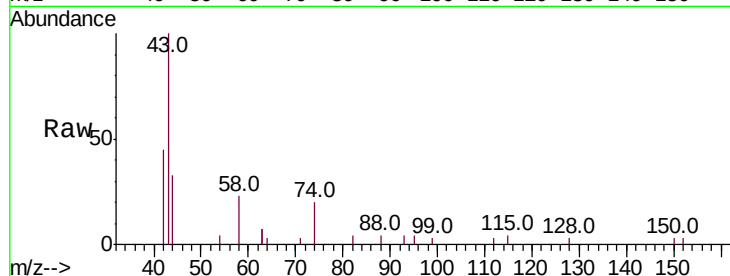
Tot Ion: 42 Resp: 1187

Ion Ratio Lower Upper

42 100

74 88.5 61.7 92.5

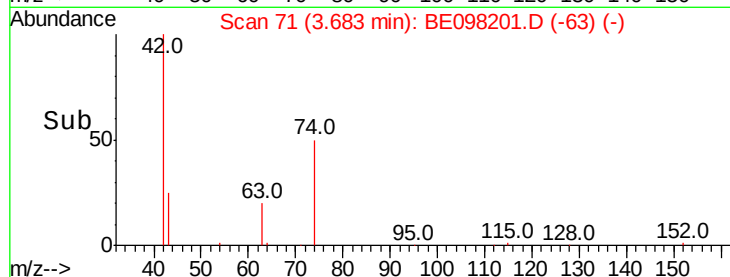
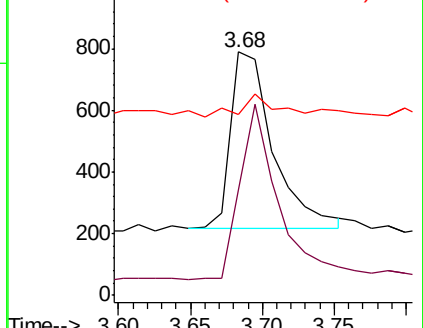
44 9.6 14.0 21.0#



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: 0.104 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

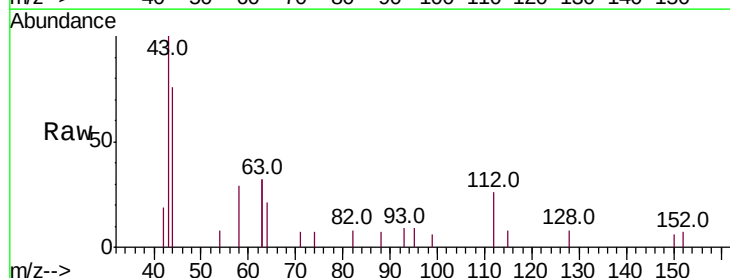
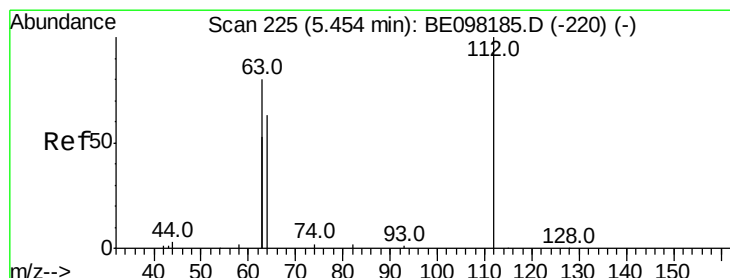
Tgt Ion: 112 Resp: 294

Ion Ratio Lower Upper

112 100

64 72.8 61.7 92.5

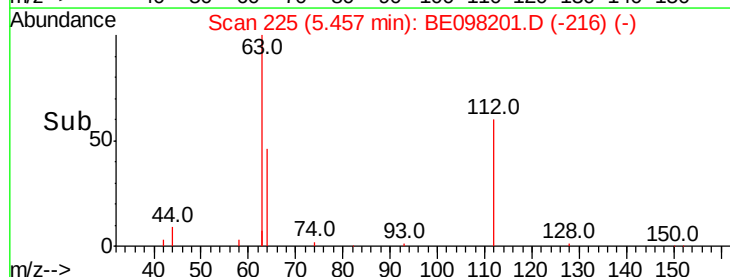
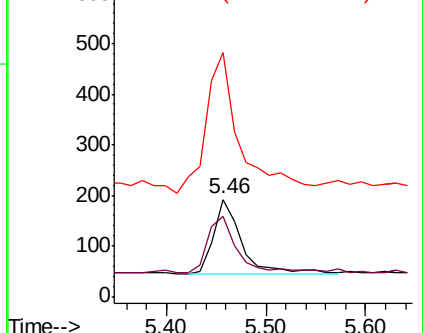
63 225.2 136.2 204.2#

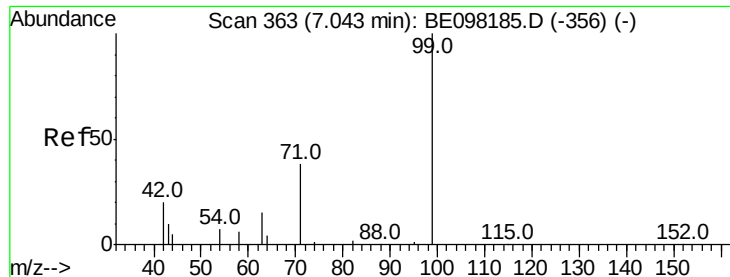


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.138 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

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PB114718BS

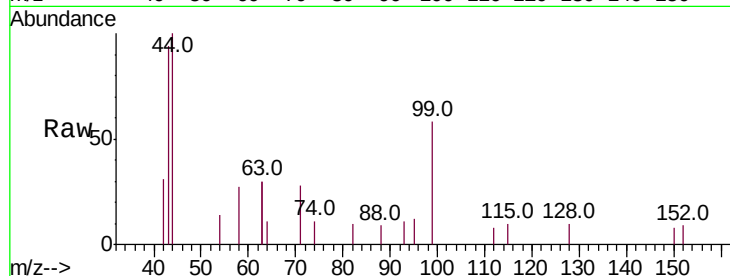
Tot Ion: 99 Resp: 623

Ion Ratio Lower Upper

99 100

42 38.5 27.1 40.7

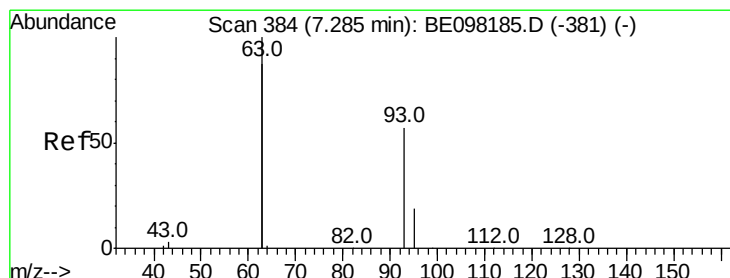
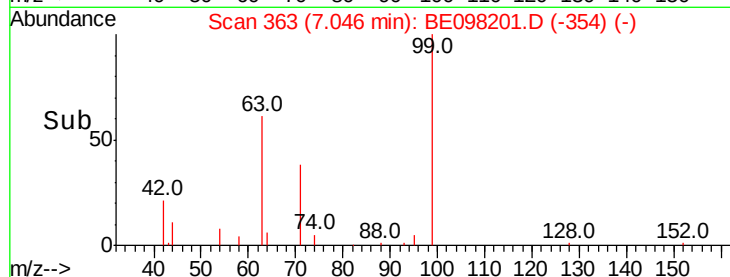
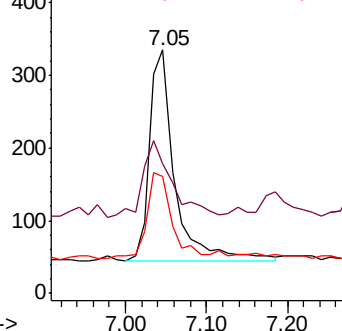
71 41.1 37.0 55.6



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: 0.525 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

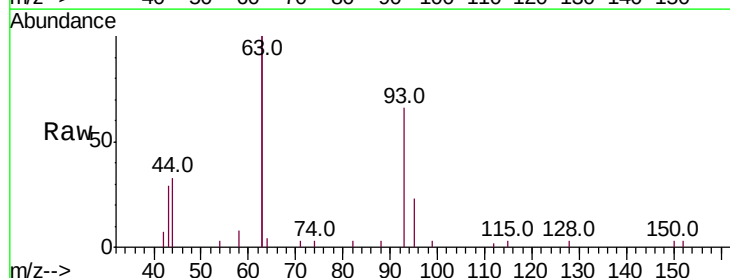
Tgt Ion: 93 Resp: 1914

Ion Ratio Lower Upper

93 100

63 339.0 272.6 409.0

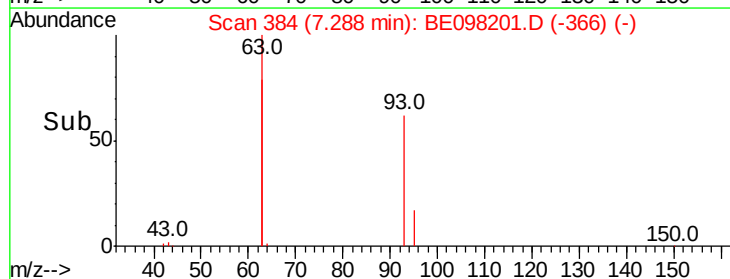
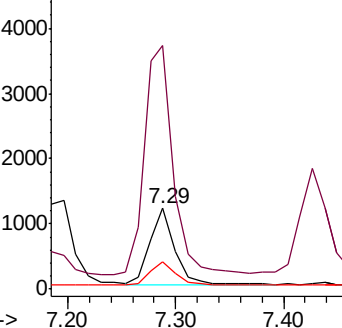
95 31.6 27.1 40.7

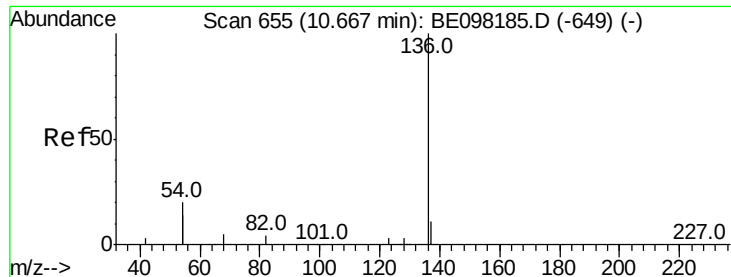


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

Tot Ion:136 Resp: 3940

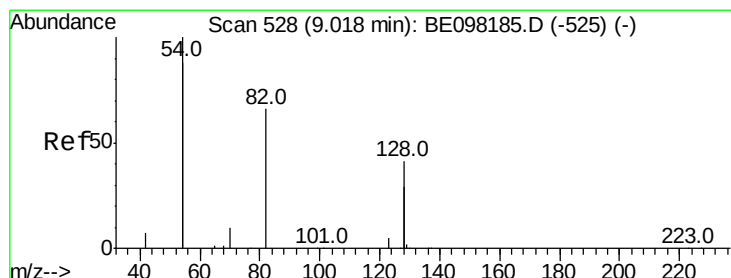
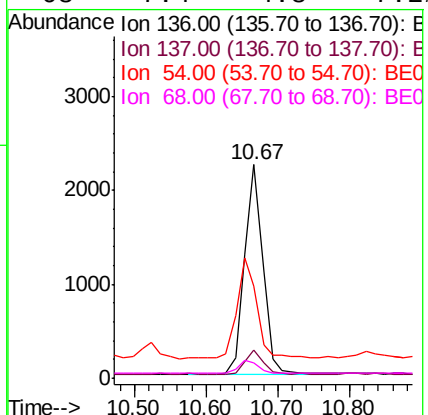
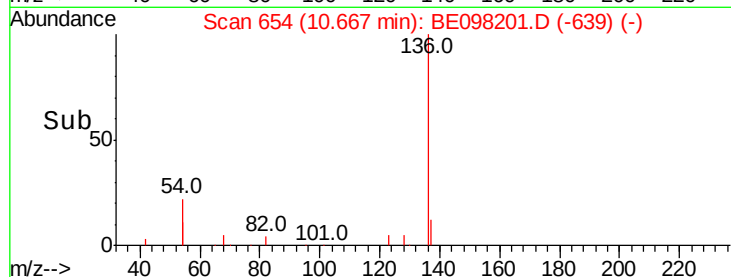
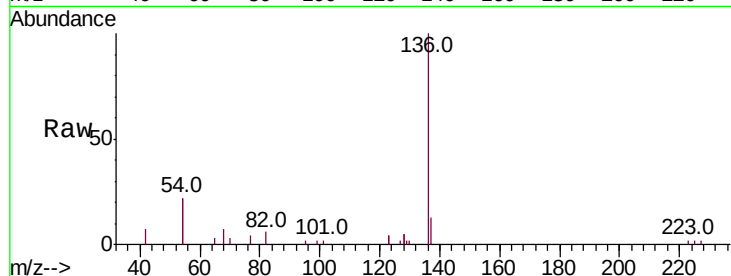
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 43.1 31.3 46.9

68 7.4 4.8 7.2#



#8

Nitrobenzene-d5

Concen: 0.076 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

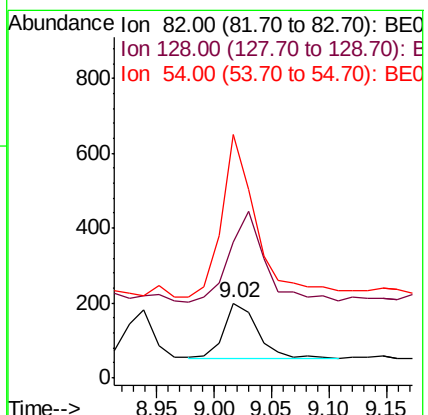
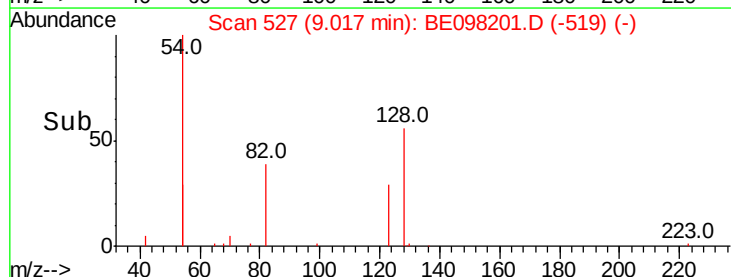
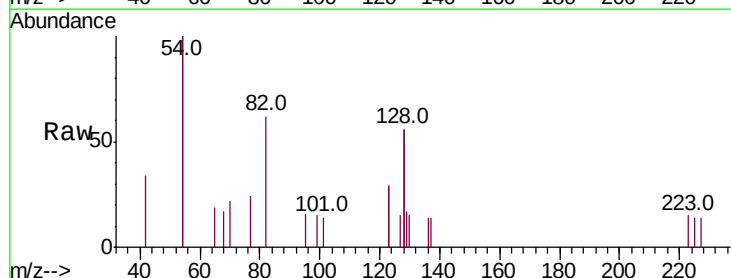
Tgt Ion: 82 Resp: 297

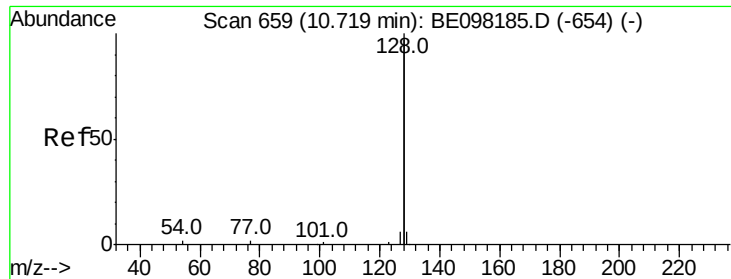
Ion Ratio Lower Upper

82 100

128 181.0 96.1 144.1#

54 325.0 232.0 348.0





#9

Naphthalene

Concen: 0.618 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

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PB114718BS

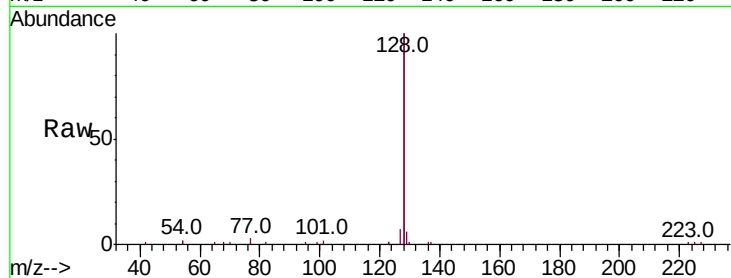
Tot Ion:128 Resp: 24765

Ion Ratio Lower Upper

128 100

129 2.9 2.6 4.0

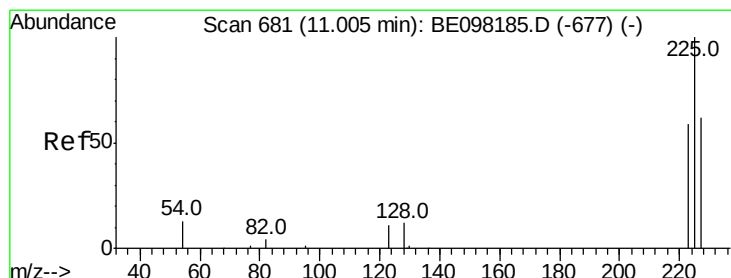
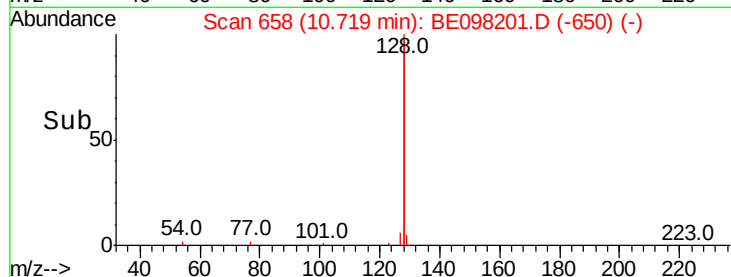
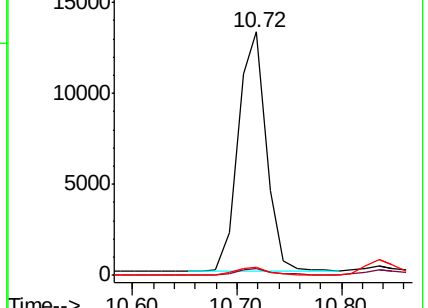
127 3.6 2.8 4.2



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: 0.565 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

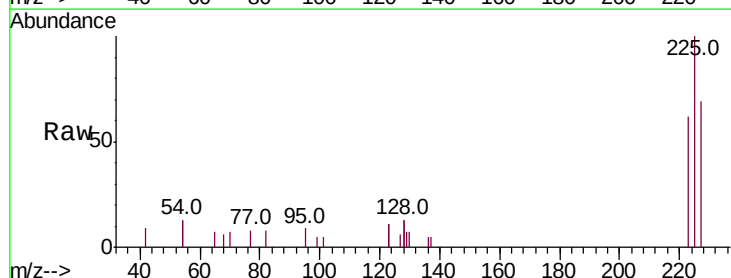
Tgt Ion:225 Resp: 1408

Ion Ratio Lower Upper

225 100

223 65.3 50.5 75.7

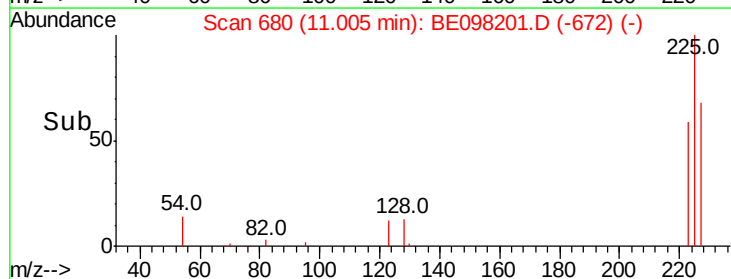
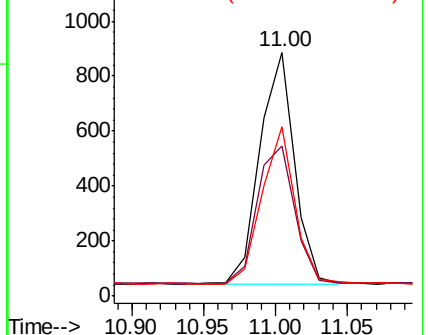
227 64.9 50.3 75.5

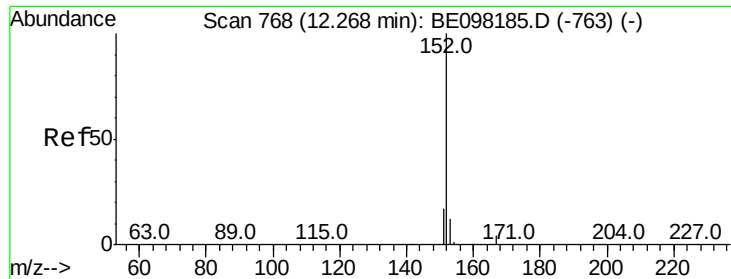


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

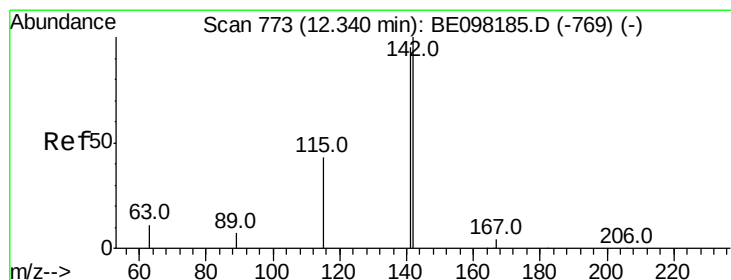
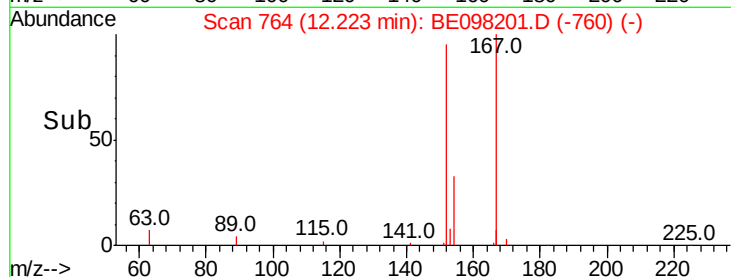
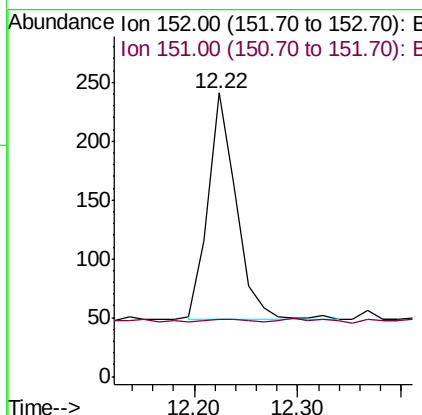
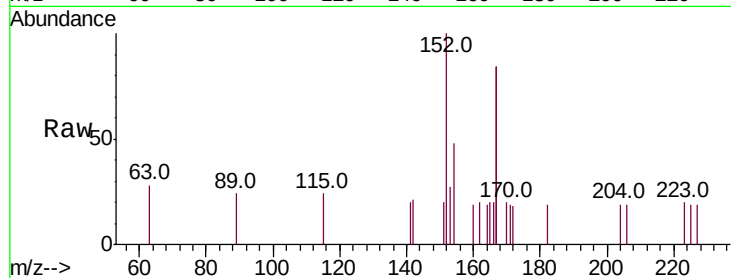




#11
 2-Methylnaphthalene-d10
 Concen: 0.054 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.04 min
 Lab File: BE098201.D
 Acq: 12 Nov 2018 22:32

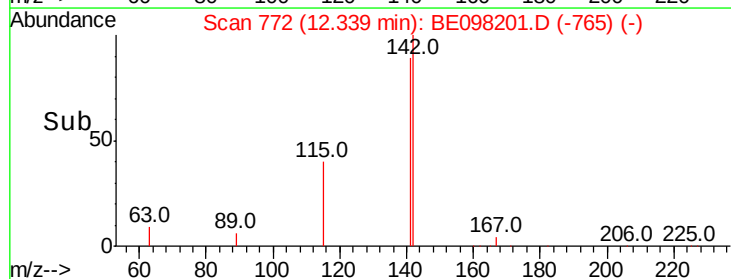
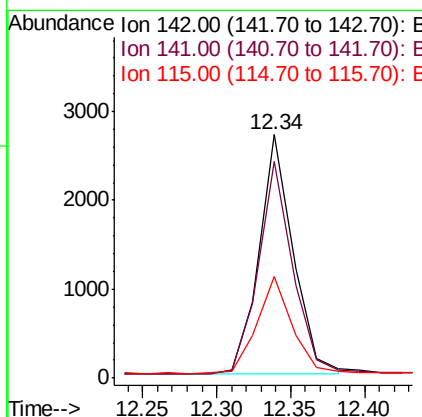
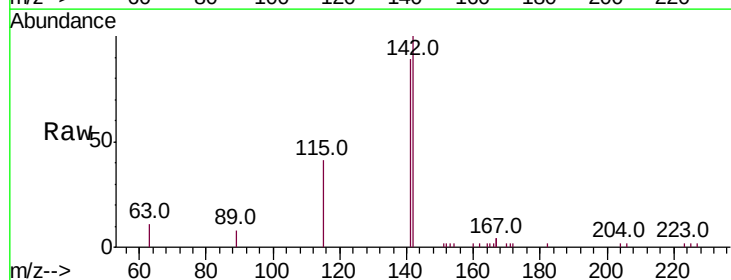
Instrument :
 BNA_E
 ClientSampleId :
 PB114718BS

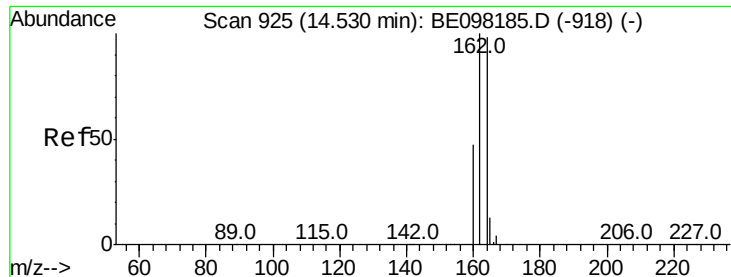
Tot Ion:152 Resp: 370
 Ion Ratio Lower Upper
 152 100
 151 1.4 15.4 23.2#



#12
 2-Methylnaphthalene
 Concen: 0.616 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098201.D
 Acq: 12 Nov 2018 22:32

Tgt Ion:142 Resp: 4282
 Ion Ratio Lower Upper
 142 100
 141 89.0 76.3 114.5
 115 41.5 35.8 53.8

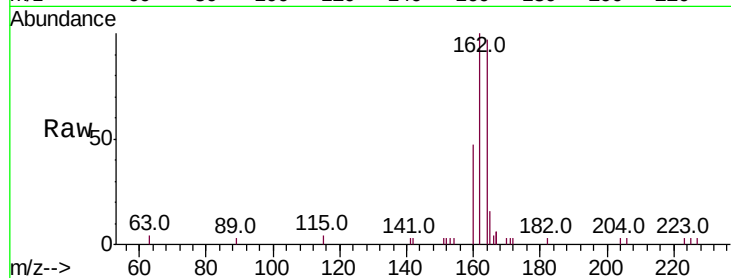




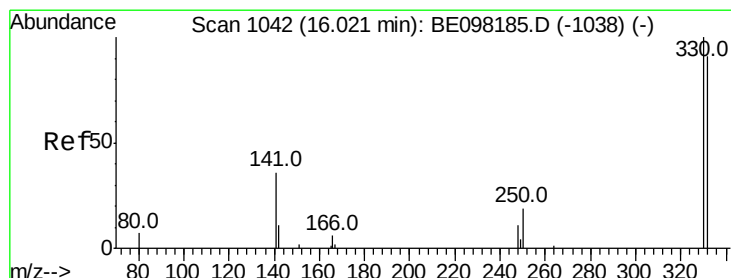
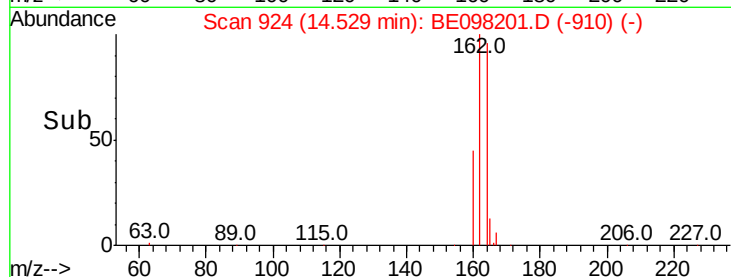
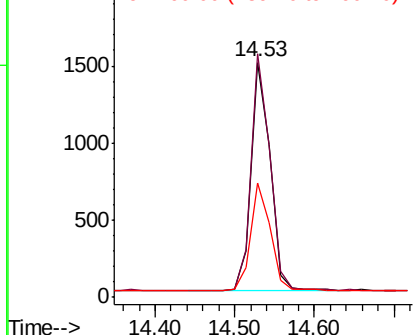
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098201.D
 Acq: 12 Nov 2018 22:32

Instrument :
 BNA_E
 ClientSampleId :
 PB114718BS

Tot Ion:164 Resp: 2434
 Ion Ratio Lower Upper
 164 100
 162 103.5 81.8 122.6
 160 48.8 39.4 59.0

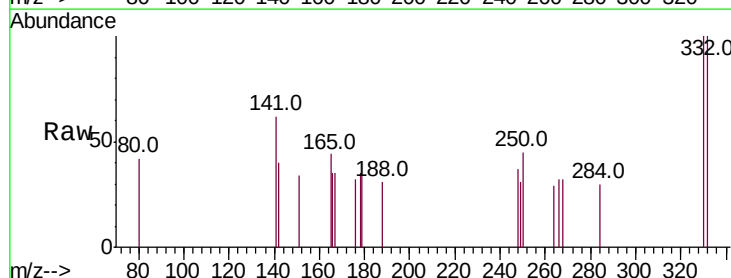


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

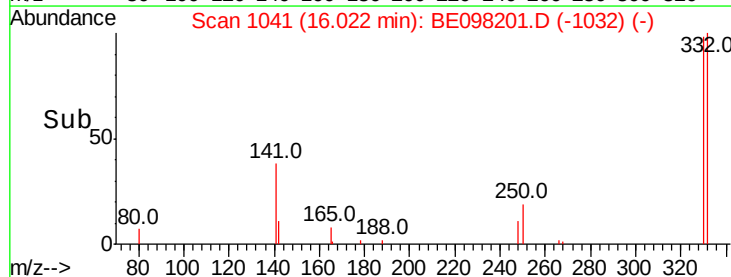
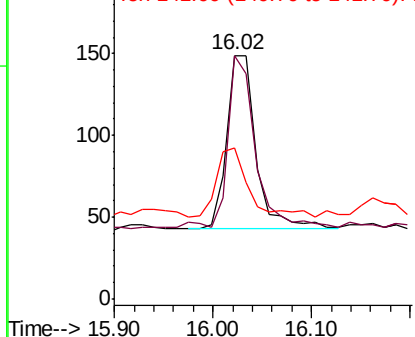


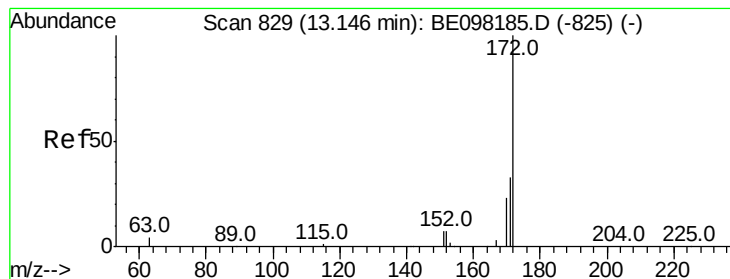
#14
 2,4,6-Tribromophenol
 Concen: 0.205 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BE098201.D
 Acq: 12 Nov 2018 22:32

Tgt Ion:330 Resp: 218
 Ion Ratio Lower Upper
 330 100
 332 94.0 77.7 116.5
 141 43.1 33.6 50.4



Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.113 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

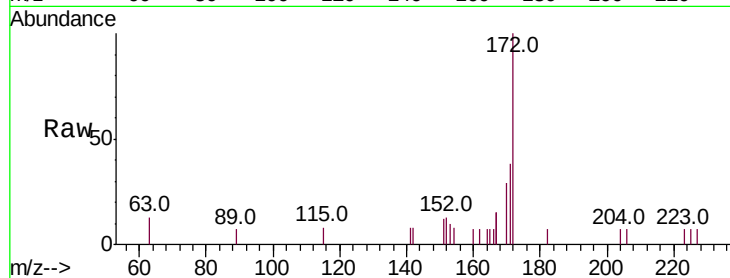
Tot Ion:172 Resp: 1150

Ion Ratio Lower Upper

172 100

171 38.5 27.3 40.9

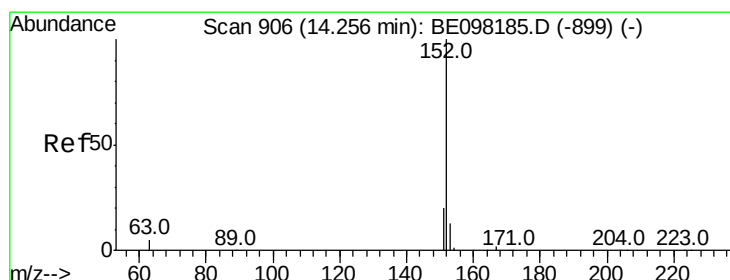
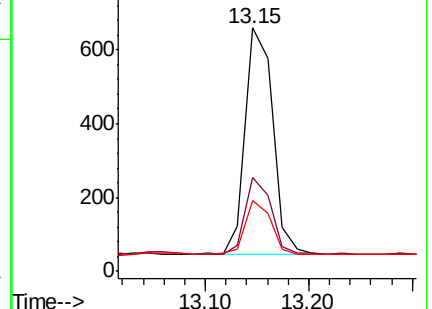
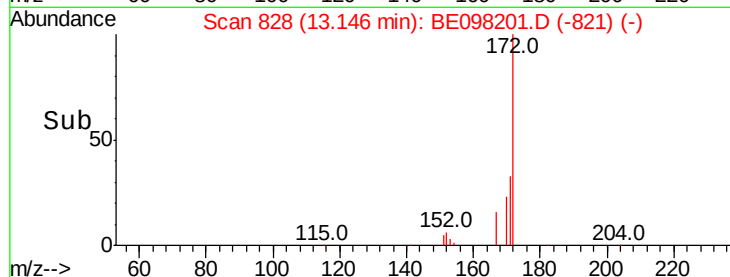
170 29.1 19.4 29.0#



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: 0.625 ng

RT: 14.25 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

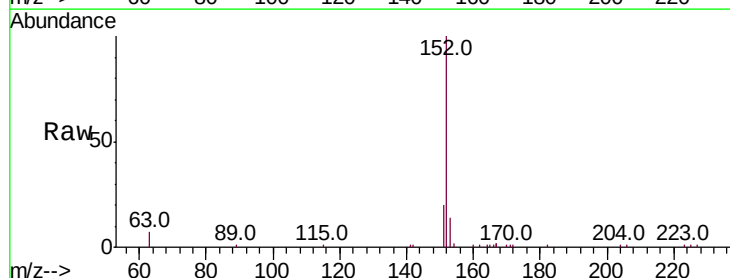
Tgt Ion:152 Resp: 6975

Ion Ratio Lower Upper

152 100

151 19.5 16.4 24.6

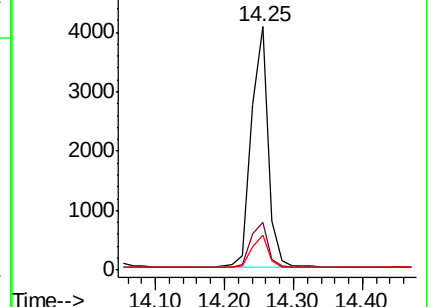
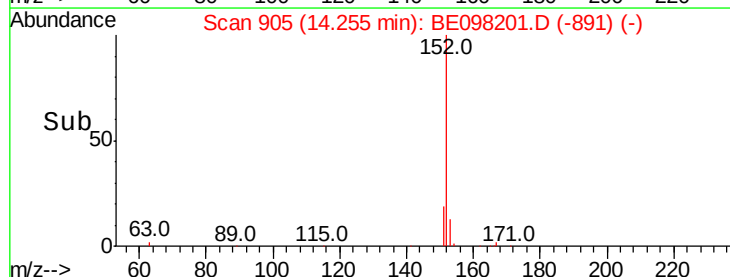
153 13.1 10.6 15.8

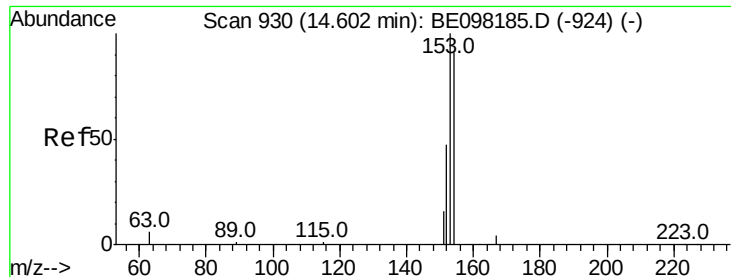


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.582 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

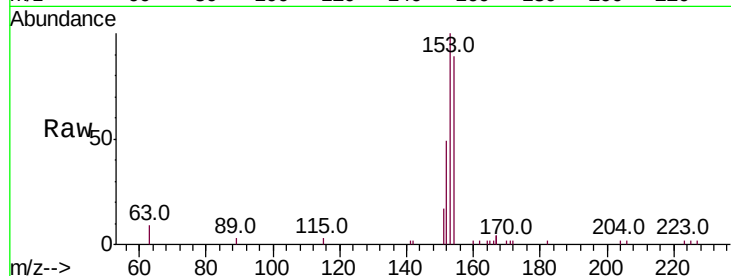
Tot Ion:154 Resp: 3963

Ion Ratio Lower Upper

154 100

153 117.5 92.1 138.1

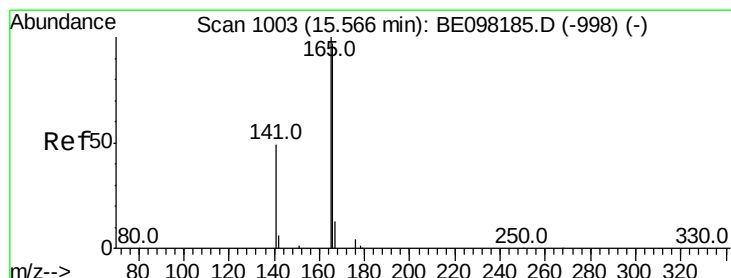
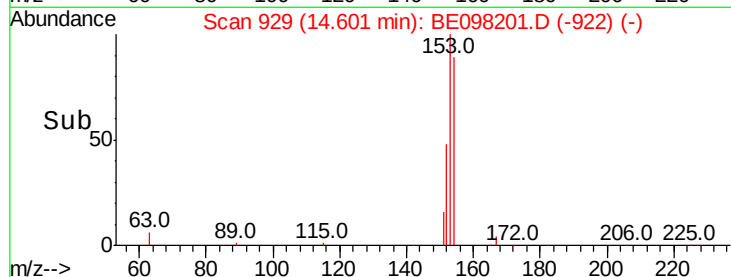
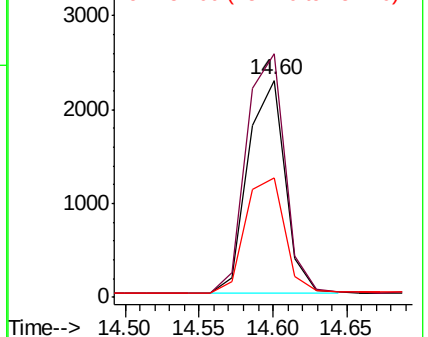
152 57.4 46.2 69.2



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: 0.672 ng

RT: 15.57 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

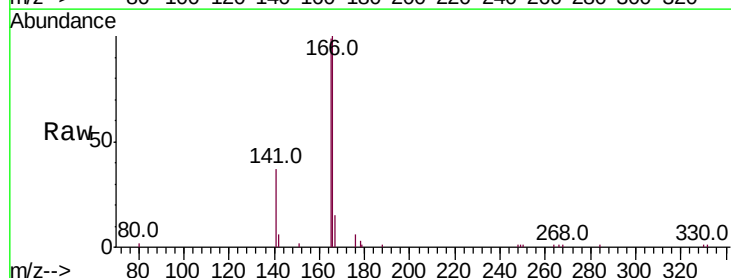
Tgt Ion:166 Resp: 5861

Ion Ratio Lower Upper

166 100

165 97.0 80.1 120.1

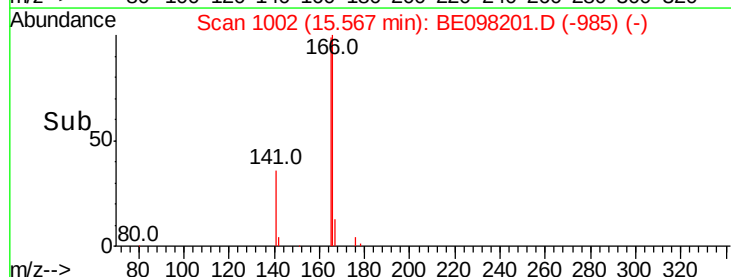
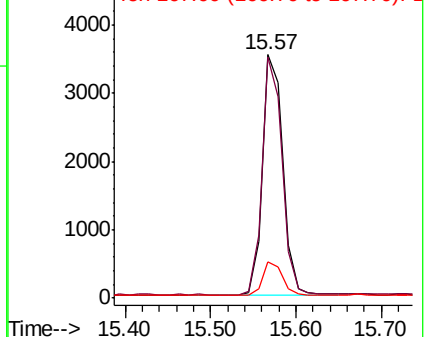
167 13.4 10.8 16.2

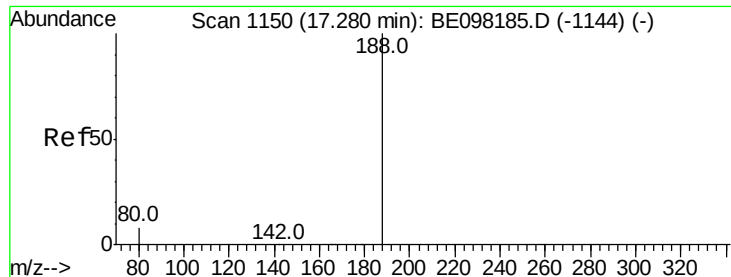


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

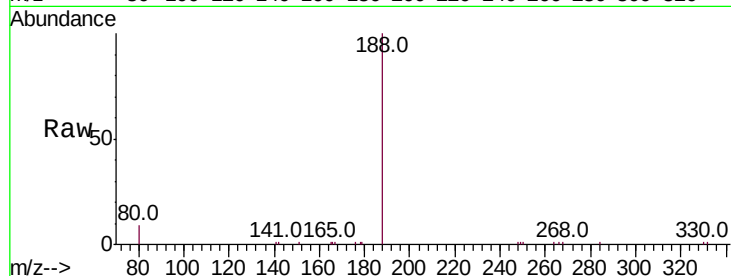
Tot Ion:188 Resp: 6909

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.5 6.7 10.1



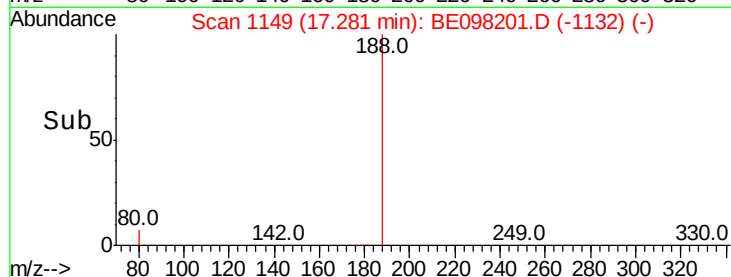
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

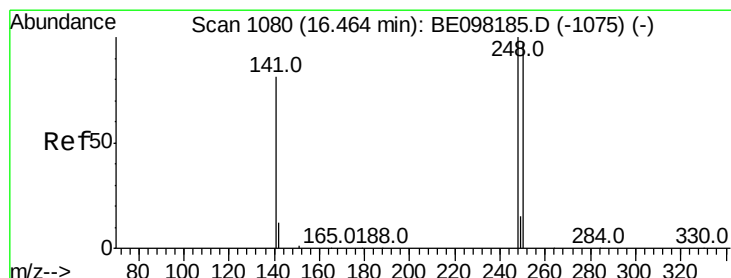
Ion 80.00 (79.70 to 80.70): BE0

17.28

Time-->



Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.522 ng

RT: 16.46 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

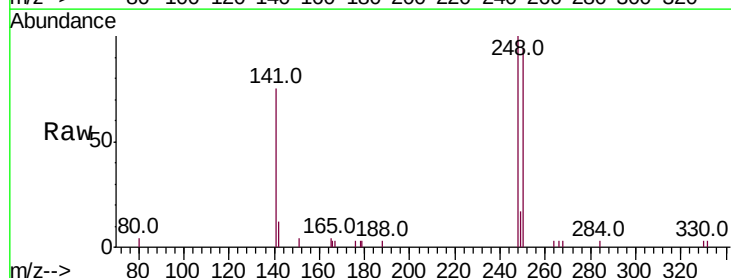
Tgt Ion:248 Resp: 2199

Ion Ratio Lower Upper

248 100

250 94.1 77.6 116.4

141 74.6 65.8 98.8



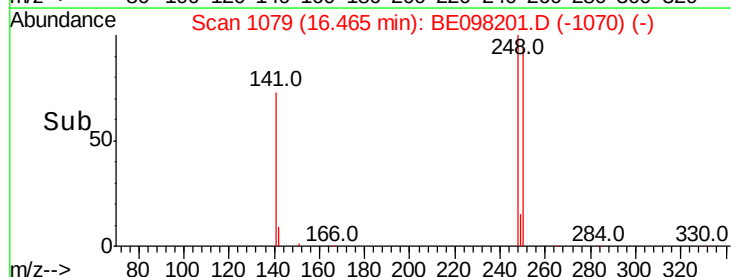
Abundance Ion 248.00 (247.70 to 248.70): E

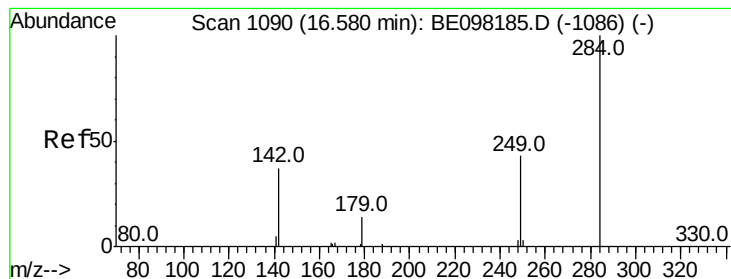
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.46

Time-->





#21

Hexachlorobenzene

Concen: 0.532 ng

RT: 16.58 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

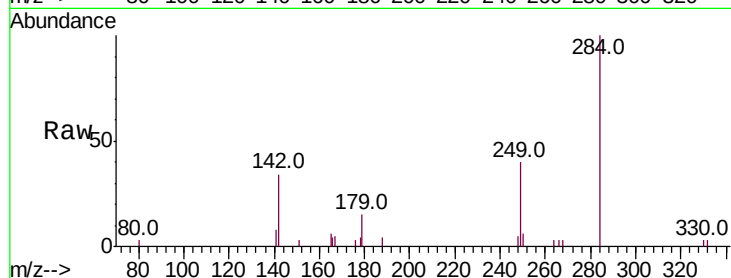
Tot Ion:284 Resp: 2330

Ion Ratio Lower Upper

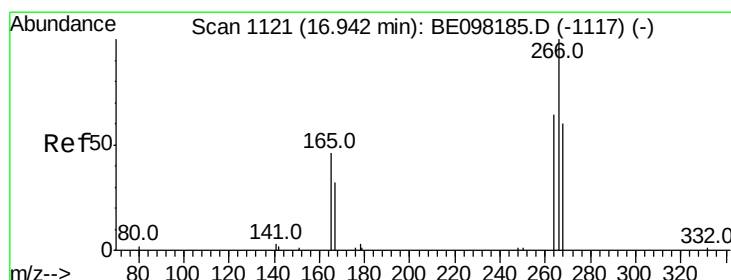
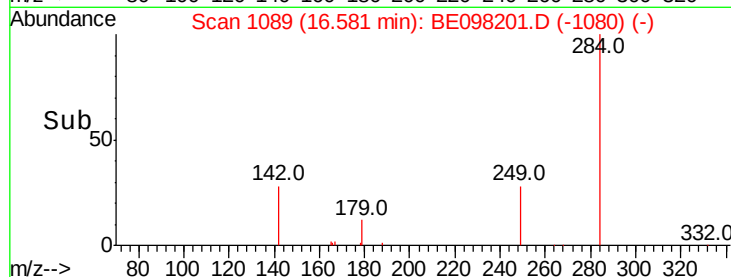
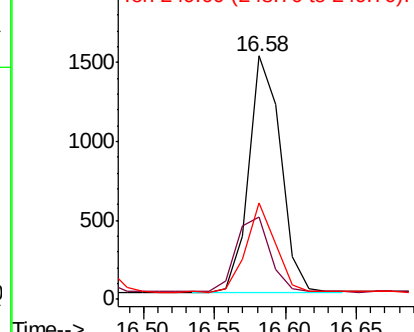
284 100

142 33.7 26.5 39.7

249 34.9 28.4 42.6



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: 0.796 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

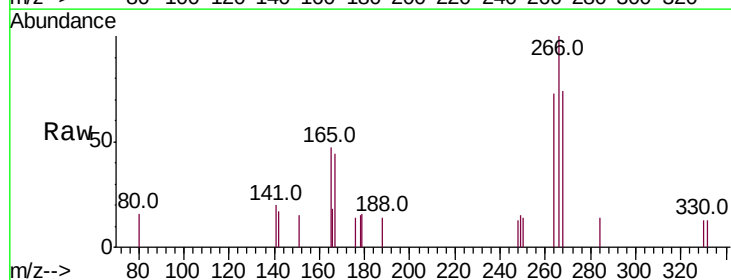
Tgt Ion:266 Resp: 699

Ion Ratio Lower Upper

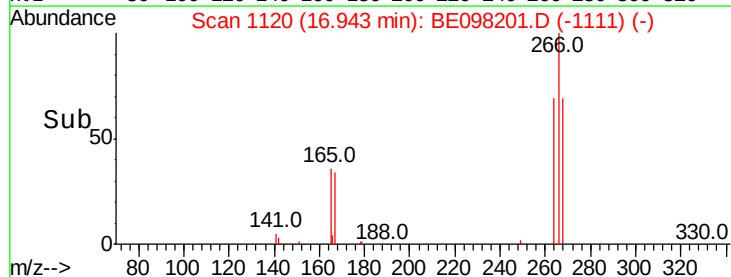
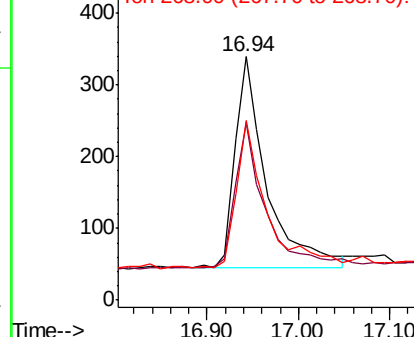
266 100

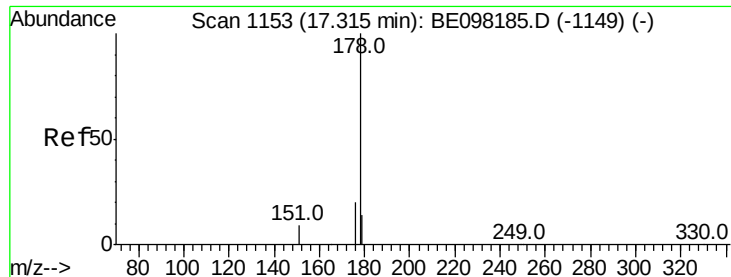
264 72.6 57.6 86.4

268 74.0 56.8 85.2



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: 0.634 ng

RT: 17.32 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

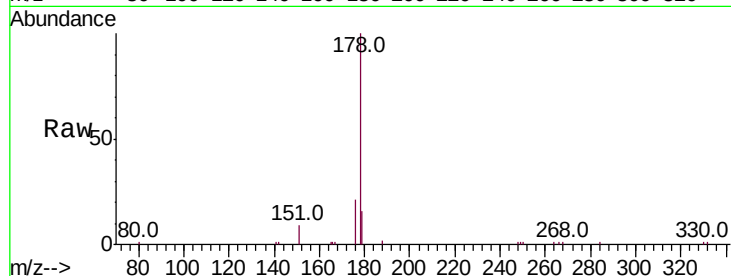
Tot Ion:178 Resp: 10918

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

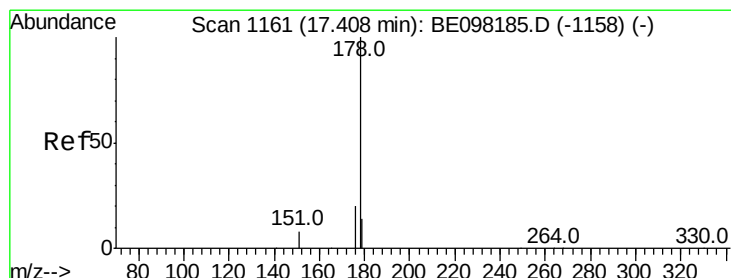
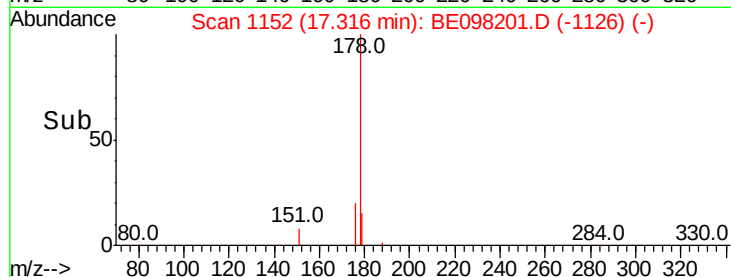
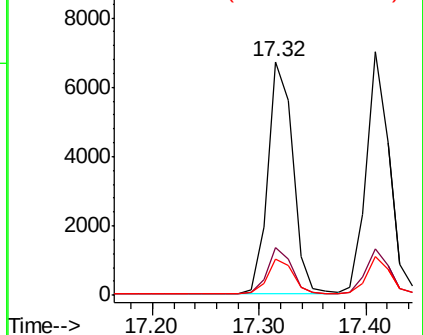
179 15.0 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.651 ng

RT: 17.41 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

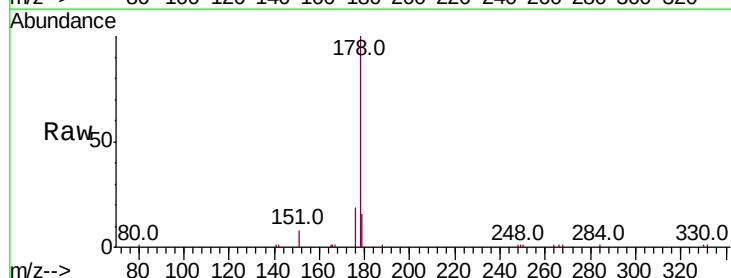
Tgt Ion:178 Resp: 10438

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

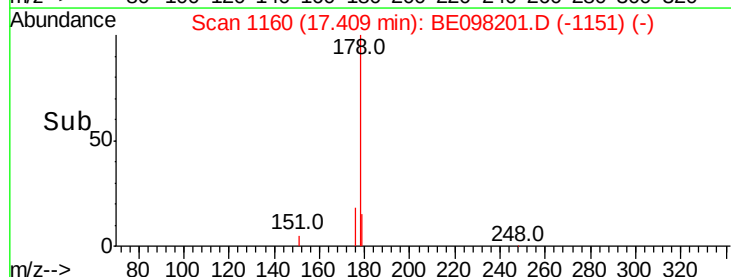
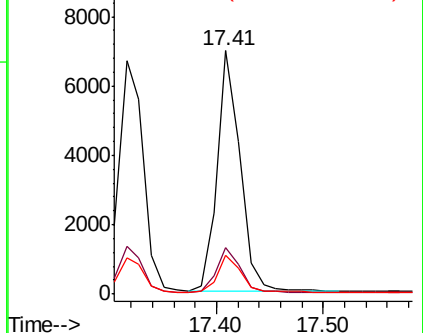
179 15.1 12.1 18.1

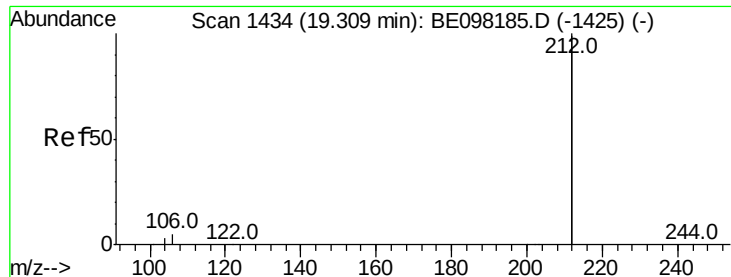


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.001 ng

RT: 19.31 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

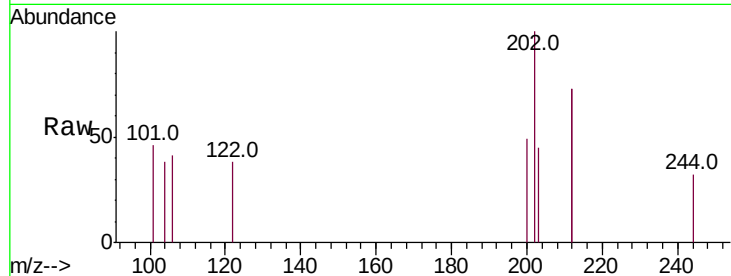
Tot Ion:212 Resp: 65

Ion Ratio Lower Upper

212 100

106 4.6 1.8 2.8#

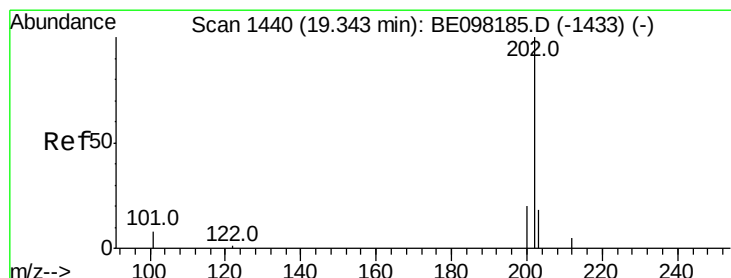
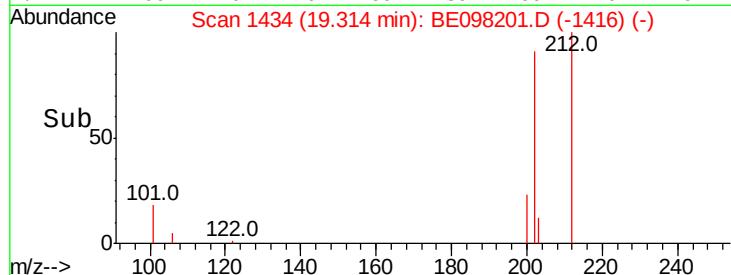
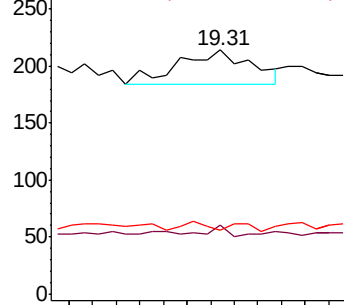
104 7.7 1.1 1.7#



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: 0.684 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

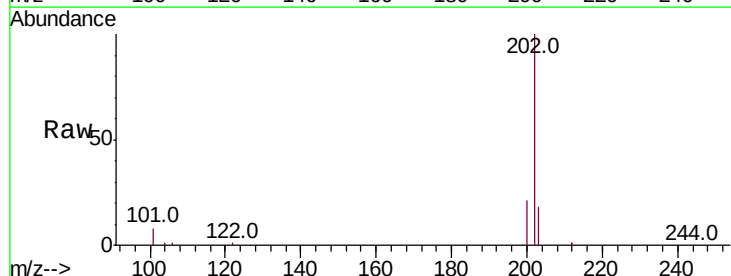
Tgt Ion:202 Resp: 14580

Ion Ratio Lower Upper

202 100

101 9.2 7.0 10.6

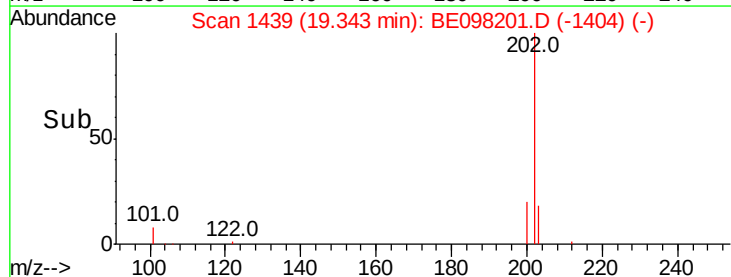
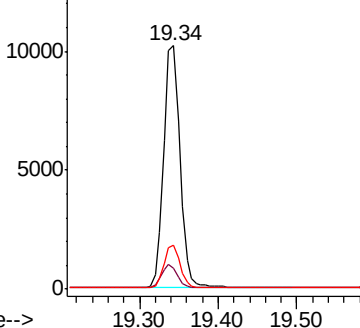
203 17.2 13.7 20.5

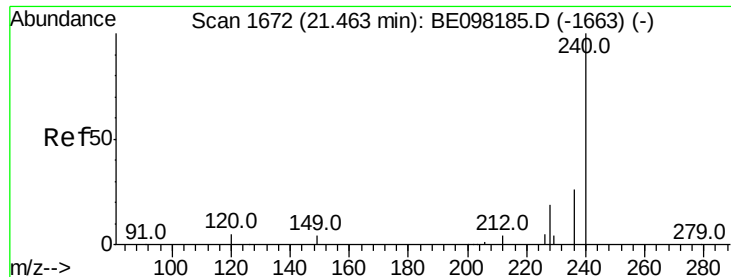


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

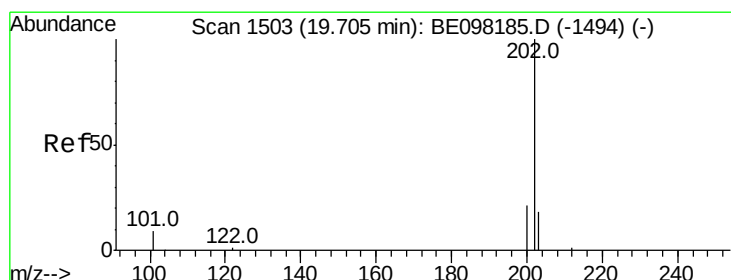
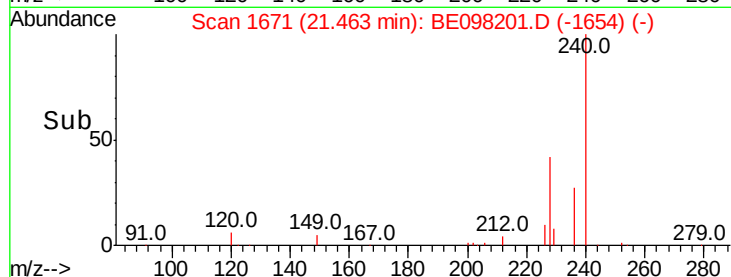
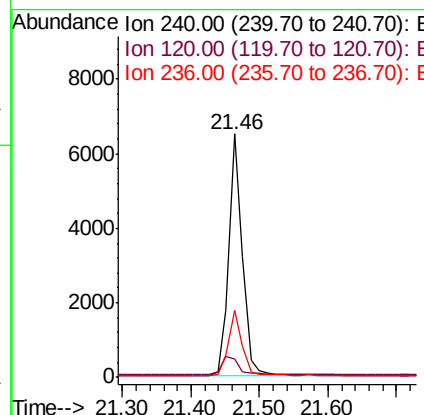
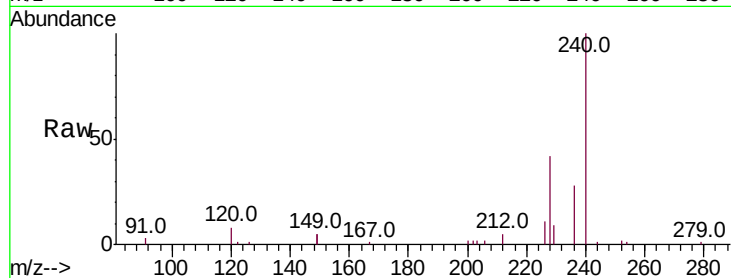




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.46 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BE098201.D
 Acq: 12 Nov 2018 22:32

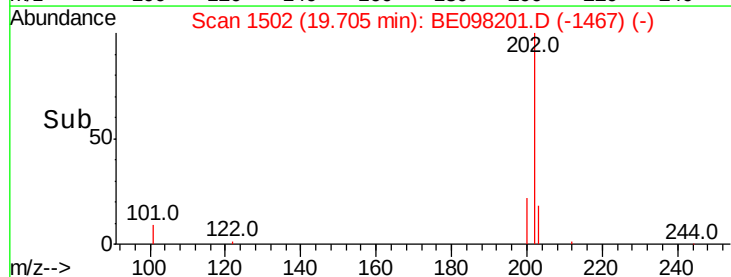
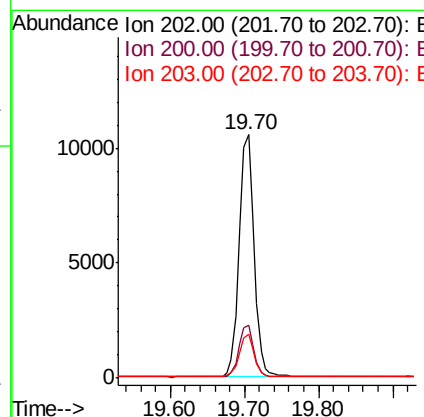
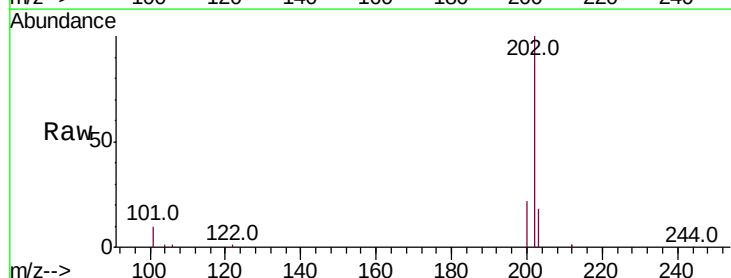
Instrument :
 BNA_E
 ClientSampleId :
 PB114718BS

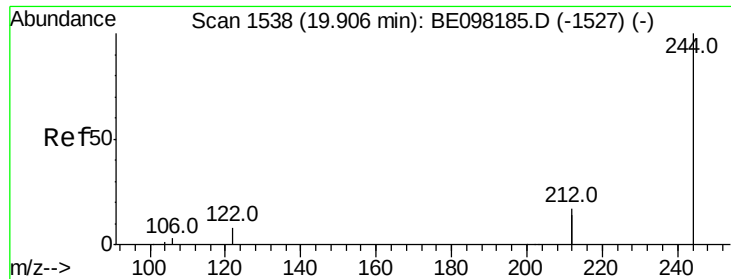
Tot Ion:240 Resp: 8891
 Ion Ratio Lower Upper
 240 100
 120 7.6 4.8 7.2#
 236 27.7 21.4 32.0



#28
 Pyrene
 Concen: 0.610 ng
 RT: 19.70 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BE098201.D
 Acq: 12 Nov 2018 22:32

Tgt Ion:202 Resp: 14920
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.2 25.8
 203 17.6 14.2 21.4





#29

Terphenyl-d14

Concen: 0.111 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

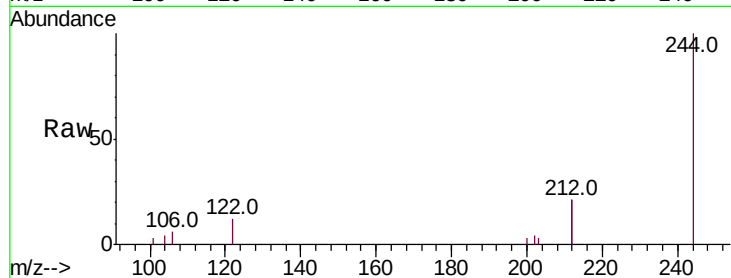
Tot Ion:244 Resp: 2247

Ion Ratio Lower Upper

244 100

212 41.8 26.8 40.2#

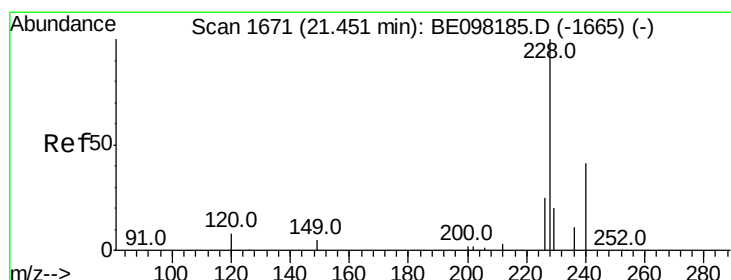
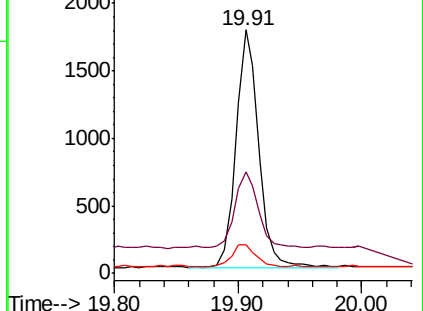
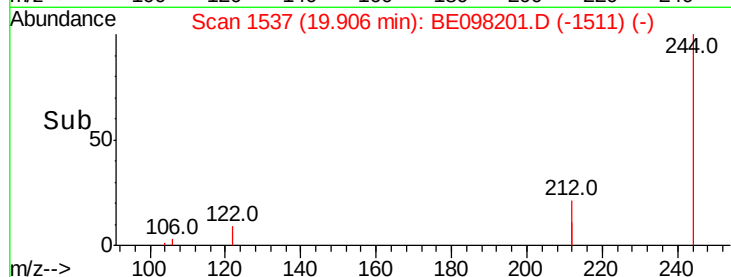
122 11.6 7.0 10.6#



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: 0.651 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

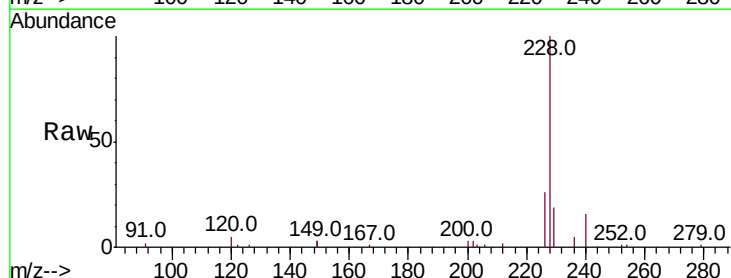
Tgt Ion:228 Resp: 16437

Ion Ratio Lower Upper

228 100

226 26.4 20.7 31.1

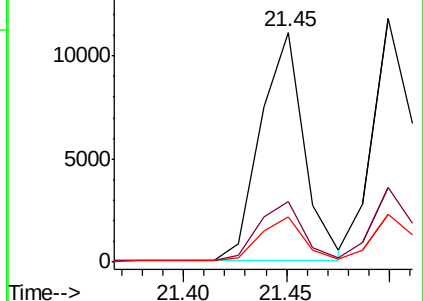
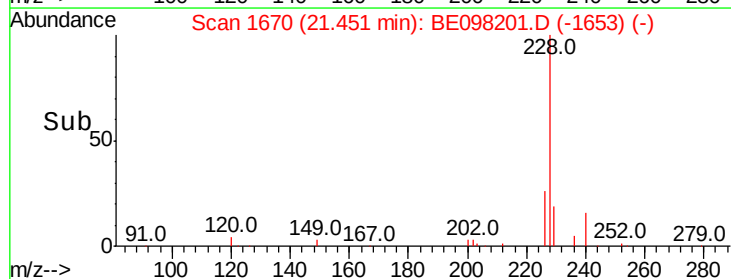
229 19.4 16.2 24.4

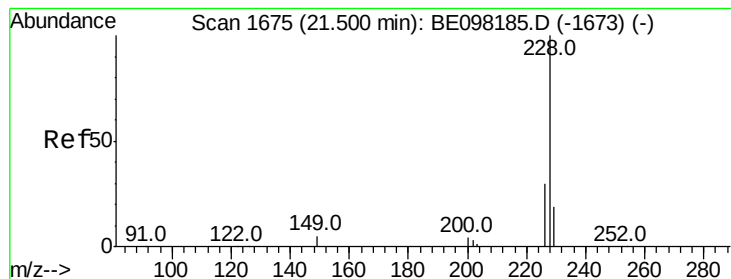


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.630 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

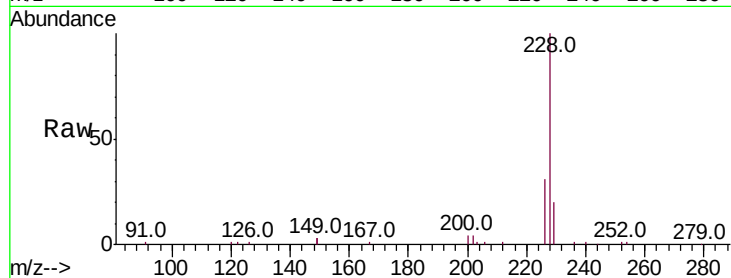
Tot Ion:228 Resp: 16164

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

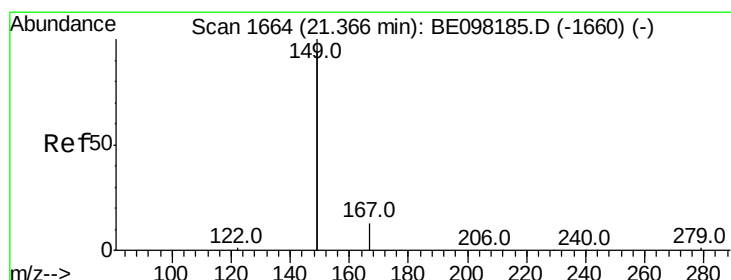
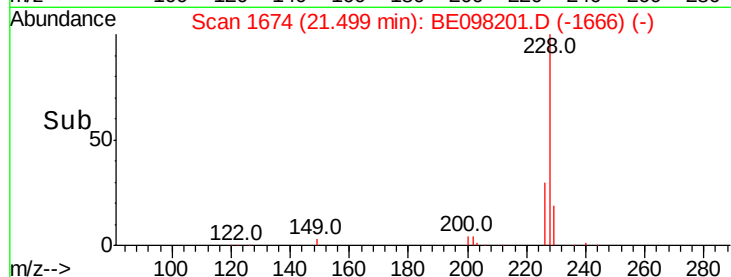
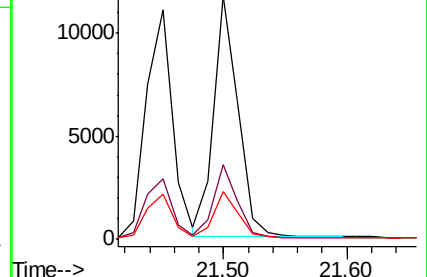
229 19.7 16.0 24.0



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: 0.587 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

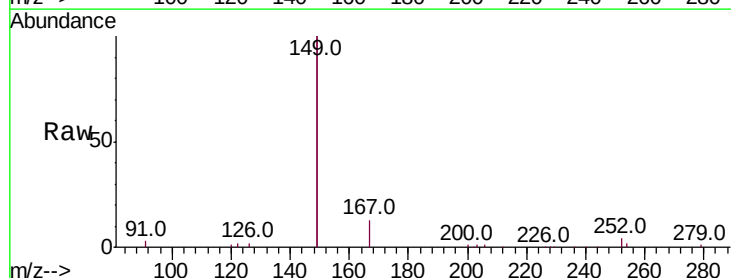
Tgt Ion:149 Resp: 30800

Ion Ratio Lower Upper

149 100

167 6.7 5.6 8.4

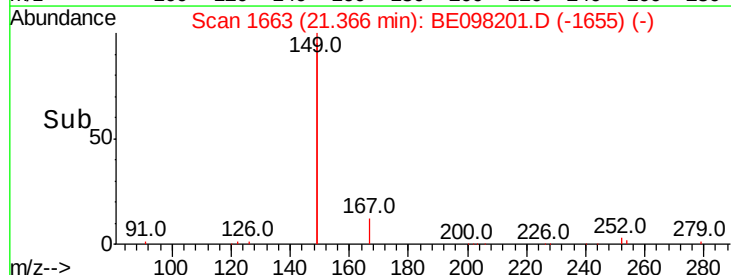
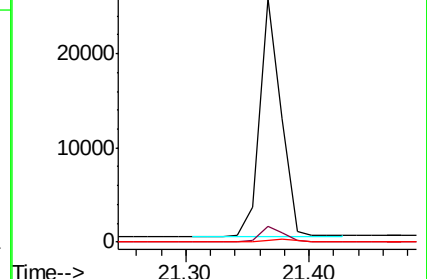
279 1.1 0.9 1.3

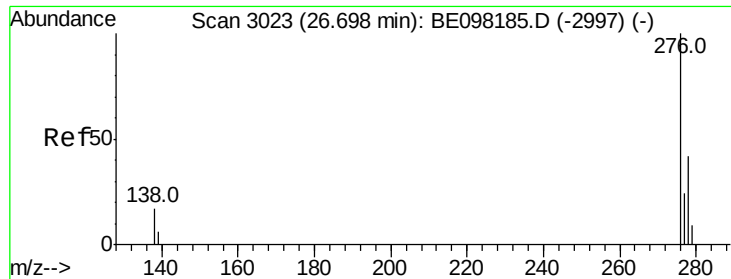


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

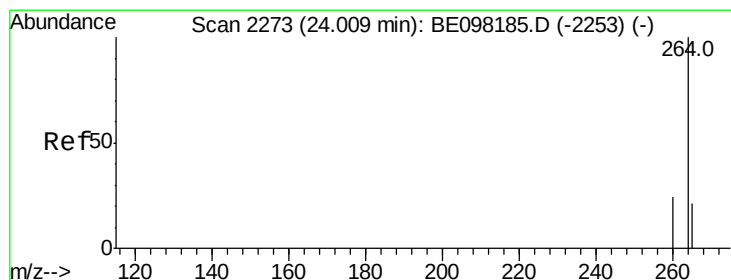
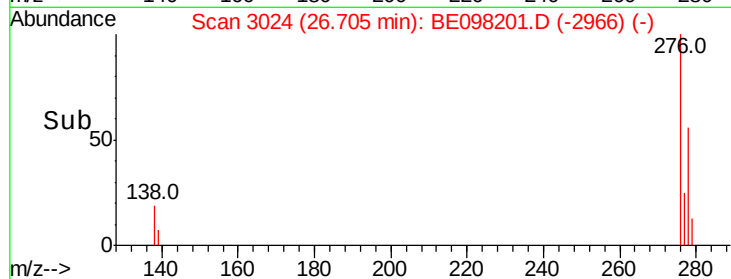
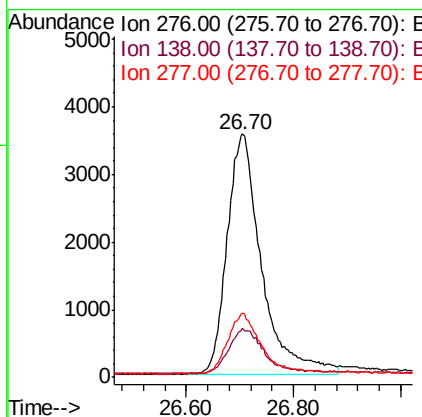
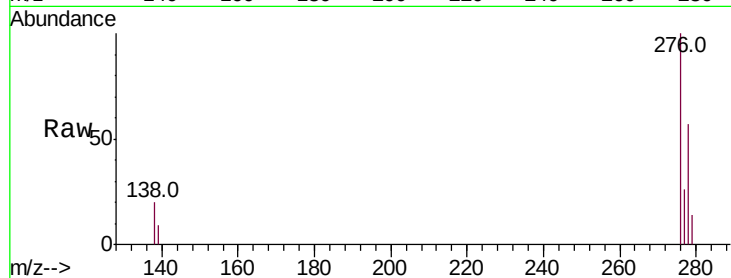




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.671 ng
 RT: 26.70 min Scan# 3024
 Delta R.T. 0.01 min
 Lab File: BE098201.D
 Acq: 12 Nov 2018 22:32

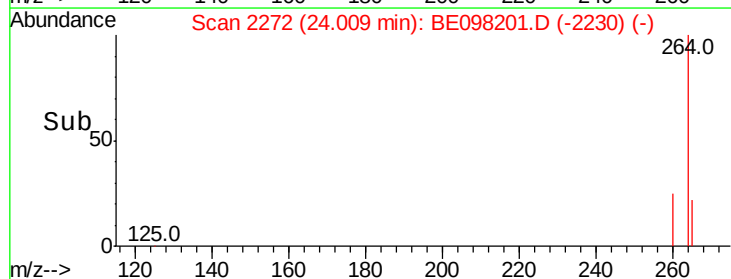
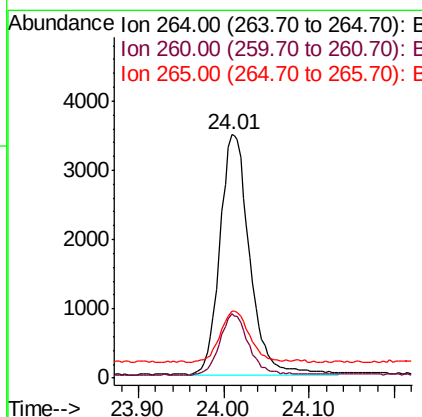
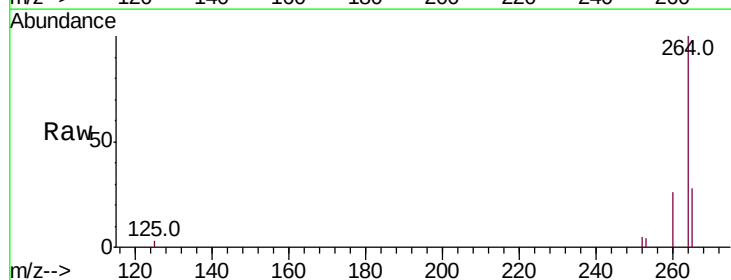
Instrument :
 BNA_E
 ClientSampleId :
 PB114718BS

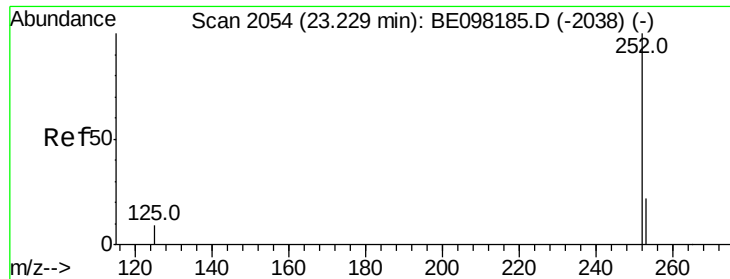
Tot Ion:276 Resp: 15781
 Ion Ratio Lower Upper
 276 100
 138 18.5 6.4 9.6#
 277 24.5 18.9 28.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: BE098201.D
 Acq: 12 Nov 2018 22:32

Tgt Ion:264 Resp: 8382
 Ion Ratio Lower Upper
 264 100
 260 26.4 19.9 29.9
 265 27.7 21.3 31.9





#35

Benzo(b)fluoranthene

Concen: 0.645 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

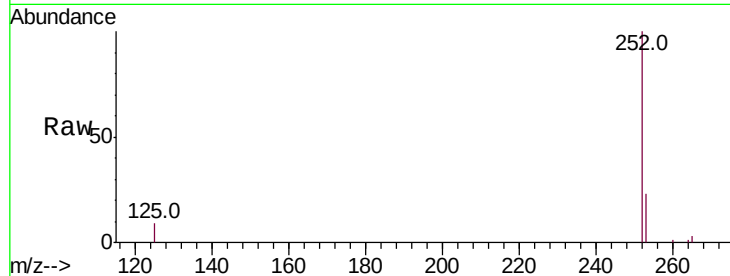
Tot Ion:252 Resp: 15329

Ion Ratio Lower Upper

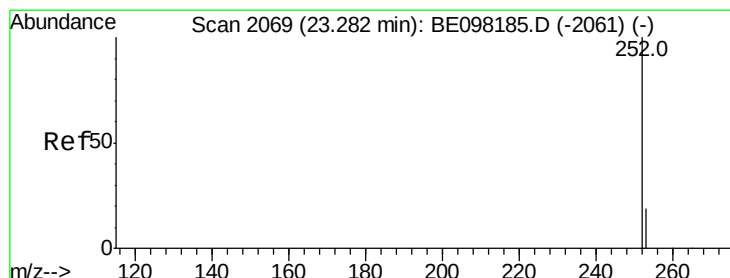
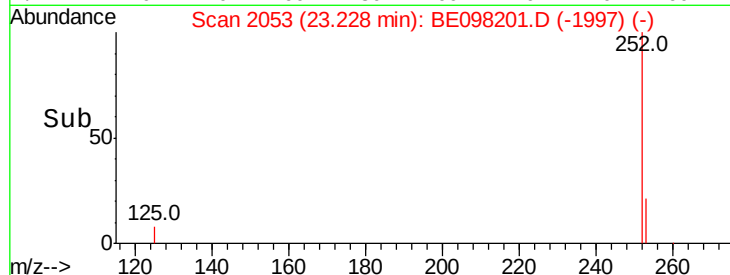
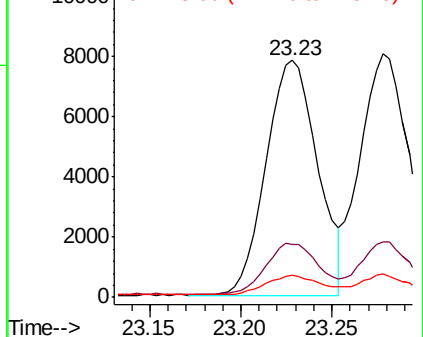
252 100

253 22.5 19.4 29.0

125 9.3 8.6 12.8



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



#36

Benzo(k)fluoranthene

Concen: 0.627 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

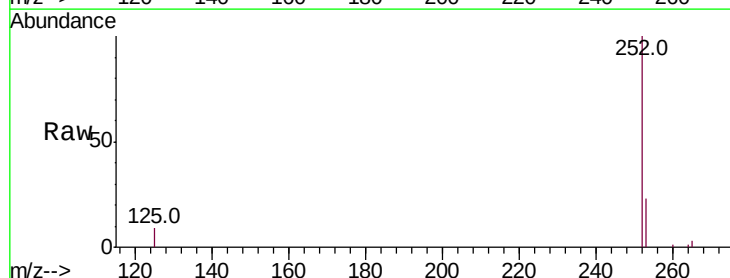
Tgt Ion:252 Resp: 15743

Ion Ratio Lower Upper

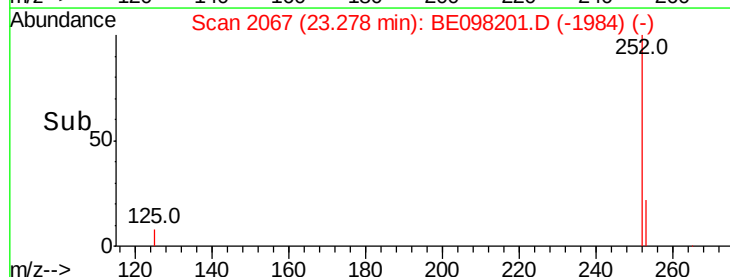
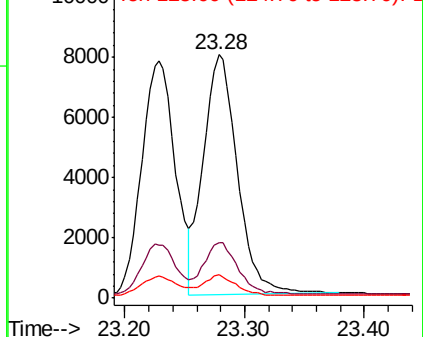
252 100

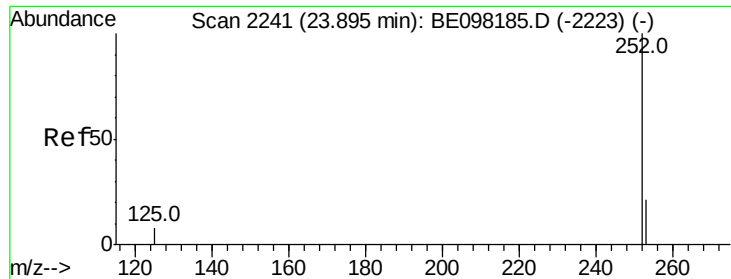
253 23.0 18.6 28.0

125 9.4 7.4 11.0



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: 0.648 ng

RT: 23.90 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

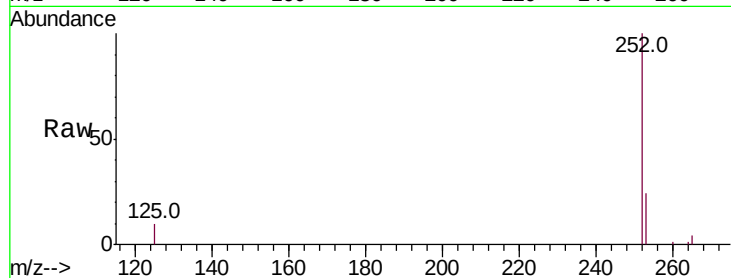
Tot Ion:252 Resp: 14772

Ion Ratio Lower Upper

252 100

253 23.7 18.6 27.8

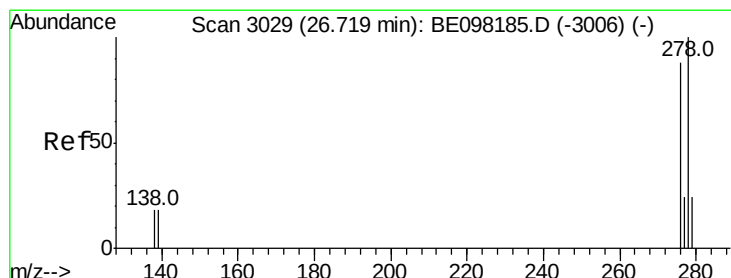
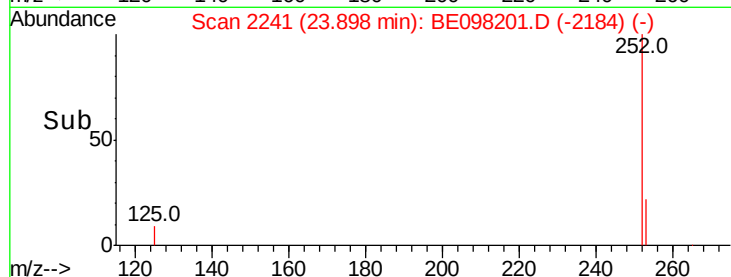
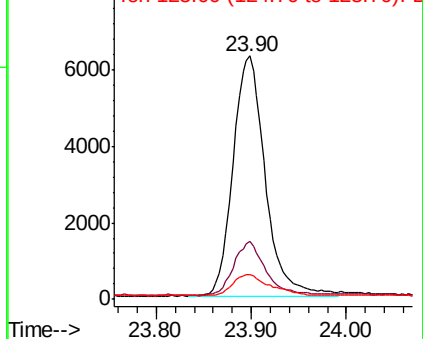
125 10.1 8.0 12.0



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: 0.663 ng

RT: 26.73 min Scan# 3030

Delta R.T. 0.01 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

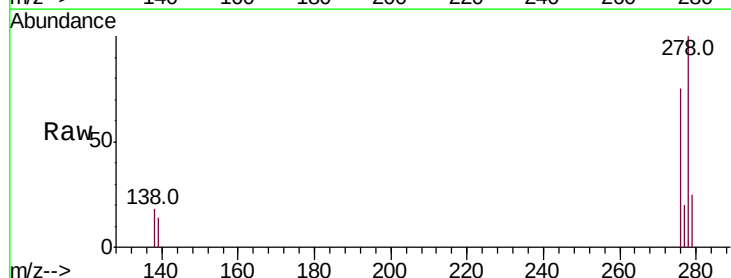
Tgt Ion:278 Resp: 12889

Ion Ratio Lower Upper

278 100

139 13.9 16.4 24.6#

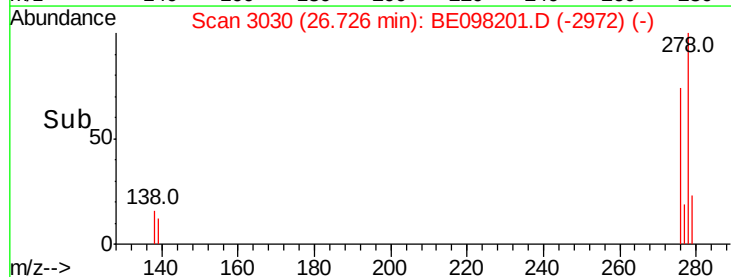
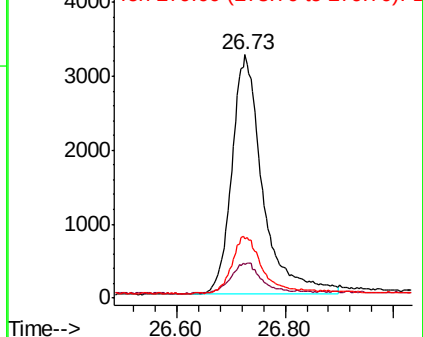
279 24.5 21.3 31.9

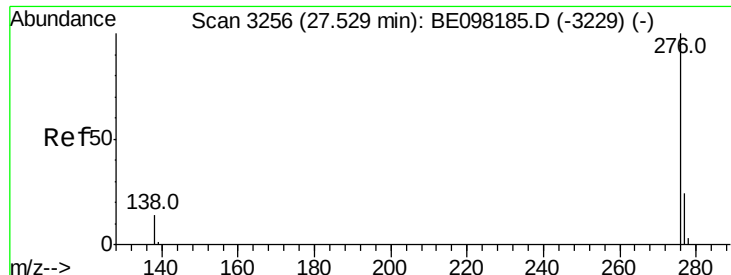


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.657 ng

RT: 27.52 min Scan# 3254

Delta R.T. -0.00 min

Lab File: BE098201.D

Acq: 12 Nov 2018 22:32

Instrument :

BNA_E

ClientSampleId :

PB114718BS

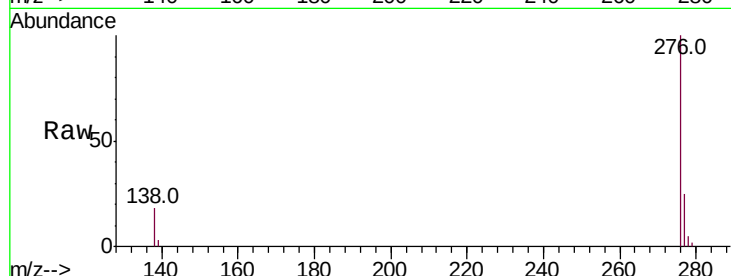
Tot Ion:276 Resp: 13322

Ion Ratio Lower Upper

276 100

277 24.8 20.4 30.6

138 18.0 13.2 19.8



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

