

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\
 Data File : BE098219.D
 Acq On : 13 Nov 2018 21:32
 Operator : SJ/JU
 Sample : PB114778BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB114778BS

Quant Time: Nov 14 00:08:14 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	1529	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	7753	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4970	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	11368	0.40	ng	0.00
27) Chrysene-d12	21.46	240	13359	0.40	ng	0.00
34) Perylene-d12	24.01	264	12722	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	1752	0.41	ng	0.00
5) Phenol-d6	7.03	99	2880	0.42	ng	0.00
8) Nitrobenzene-d5	9.02	82	3084	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	5092	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	792	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7680	0.37	ng	0.00
25) Fluoranthene-d10	19.31	212	53879	0.38	ng	0.00
29) Terphenyl-d14	19.91	244	11158	0.37	ng	0.00

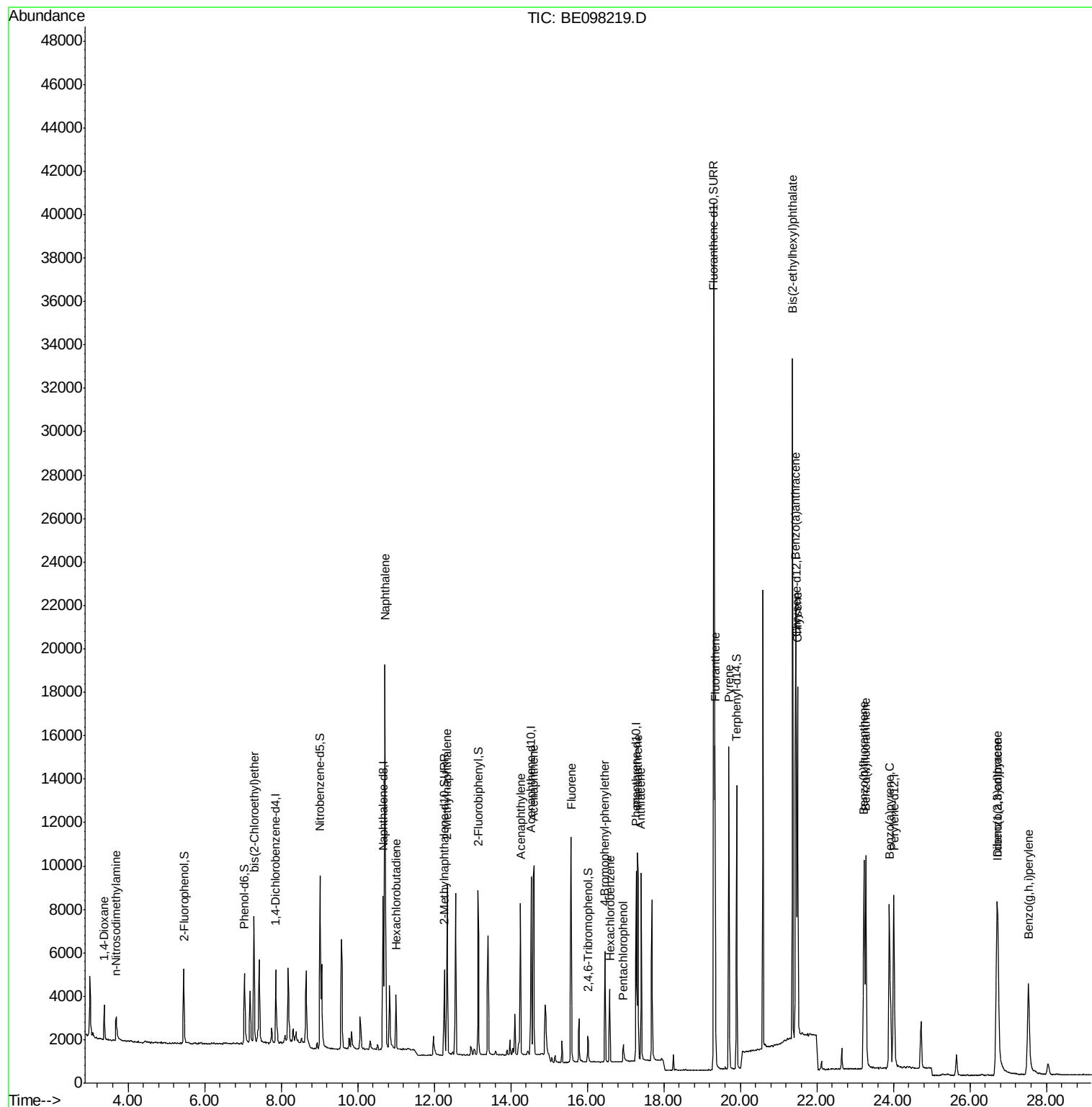
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.37	88	914	0.397	ng	93
3) n-Nitrosodimethylamine	3.68	42	1154	0.385	ng	# 96
6) bis(2-Chloroethyl)ether	7.29	93	2186	0.391	ng	96
9) Naphthalene	10.72	128	29891	0.379	ng	99
10) Hexachlorobutadiene	11.00	225	1773	0.362	ng	99
12) 2-Methylnaphthalene	12.34	142	5303	0.388	ng	94
16) Acenaphthylene	14.25	152	8794	0.386	ng	98
17) Acenaphthene	14.60	154	5376	0.386	ng	99
18) Fluorene	15.58	166	6866	0.385	ng	98
20) 4-Bromophenyl-phenylether	16.46	248	2664	0.385	ng	96
21) Hexachlorobenzene	16.59	284	2783	0.386	ng	98
22) Pentachlorophenol	16.94	266	576	0.438	ng	98
23) Phenanthrene	17.31	178	11060	0.391	ng	100
24) Anthracene	17.41	178	10199	0.387	ng	99
26) Fluoranthene	19.34	202	13476	0.384	ng	99
28) Pyrene	19.70	202	14154	0.385	ng	99
30) Benzo(a)anthracene	21.45	228	14538	0.383	ng	99
31) Chrysene	21.50	228	14401	0.374	ng	100
32) Bis(2-ethylhexyl)phthalate	21.37	149	33112	0.420	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	13804	0.390	ng	# 86
35) Benzo(b)fluoranthene	23.23	252	13564	0.376	ng	97
36) Benzo(k)fluoranthene	23.28	252	14763	0.388	ng	99
37) Benzo(a)pyrene	23.90	252	13358	0.386	ng	99
38) Dibenzo(a,h)anthracene	26.73	278	11614	0.394	ng	95
39) Benzo(g,h,i)perylene	27.53	276	11723	0.381	ng	97

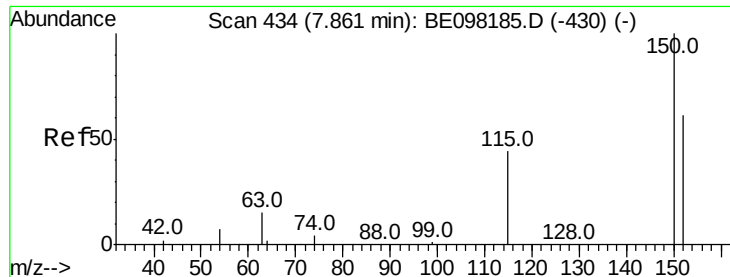
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 14 00:08:14 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

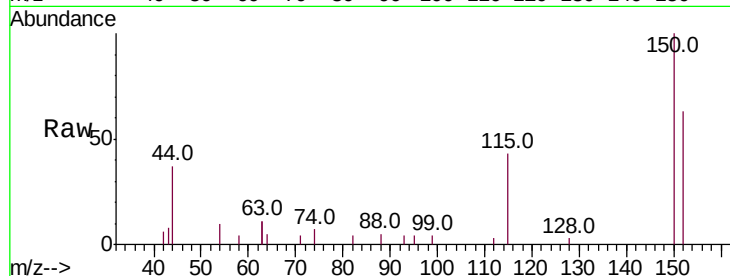
Tot Ion:152 Resp: 1529

Ion Ratio Lower Upper

152 100

150 158.9 127.5 191.3

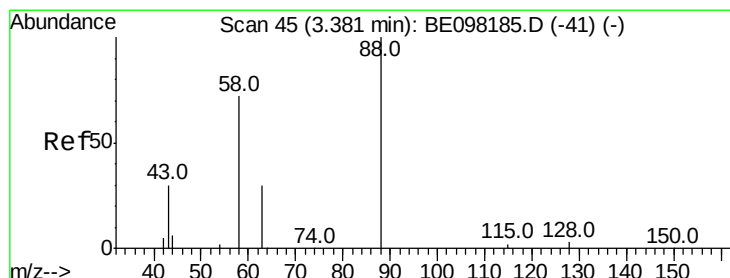
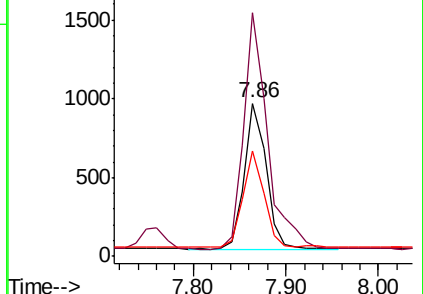
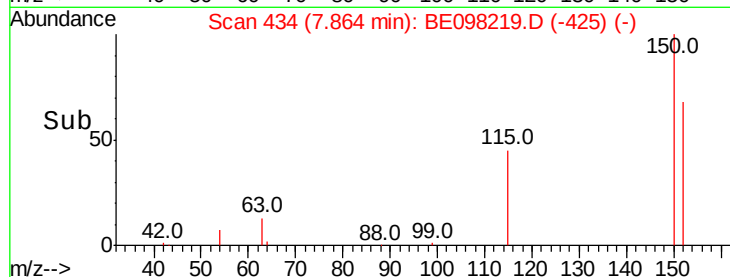
115 69.1 60.3 90.5



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



#2

1,4-Dioxane

Concen: 0.397 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

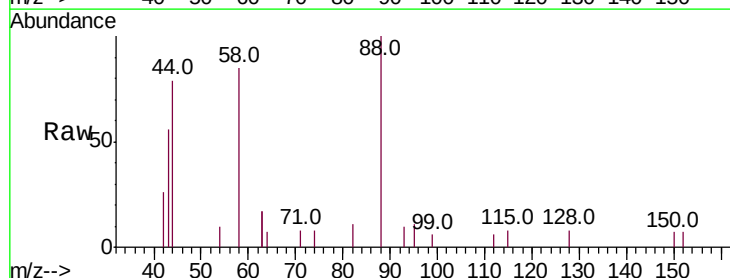
Tgt Ion: 88 Resp: 914

Ion Ratio Lower Upper

88 100

58 91.9 79.0 118.4

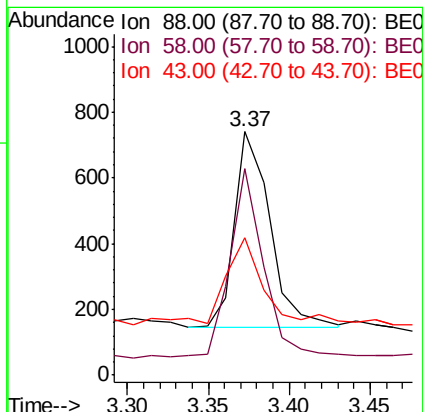
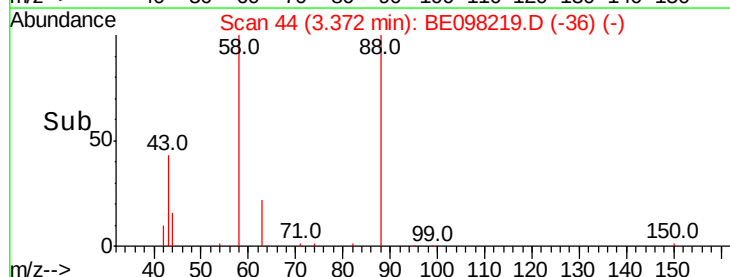
43 52.1 38.1 57.1

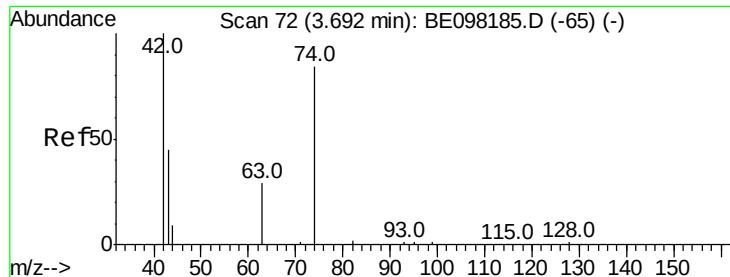


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.385 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

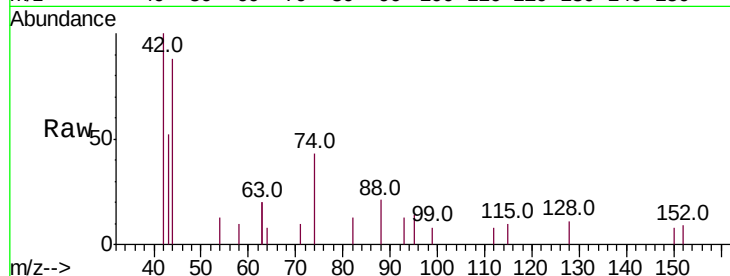
Tot Ion: 42 Resp: 1154

Ion Ratio Lower Upper

42 100

74 79.4 61.7 92.5

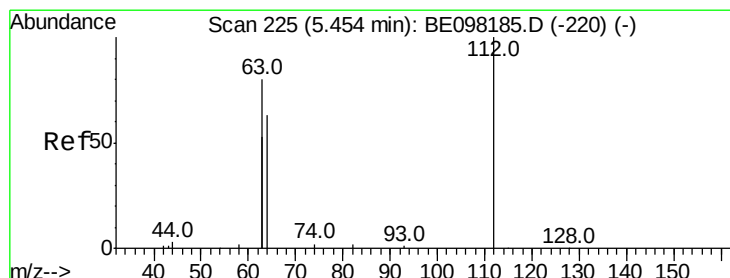
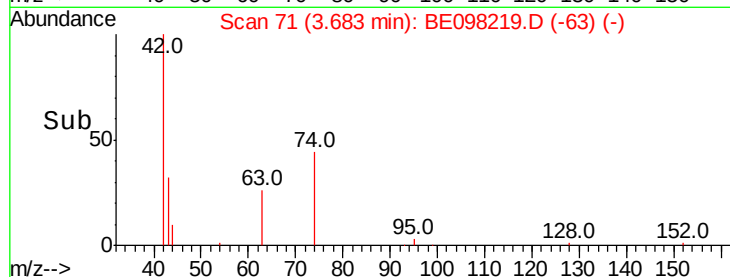
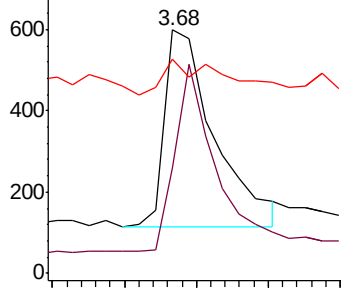
44 22.6 14.0 21.0#



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: 0.406 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

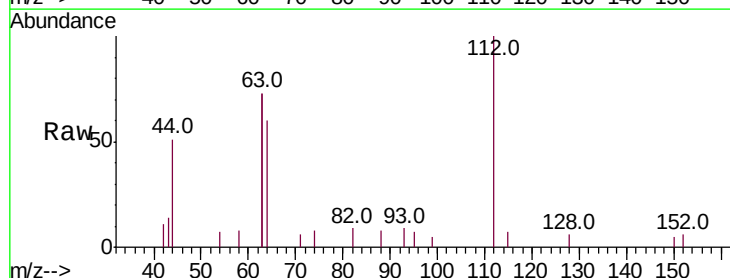
Tgt Ion: 112 Resp: 1752

Ion Ratio Lower Upper

112 100

64 78.6 61.7 92.5

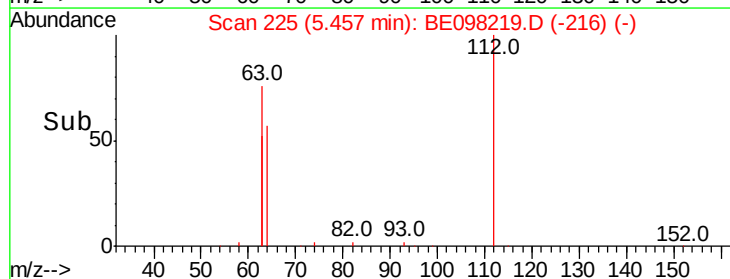
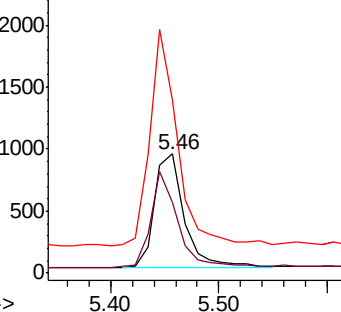
63 174.1 136.2 204.2

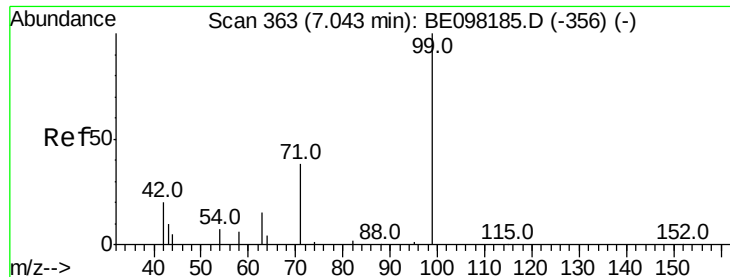


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.415 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

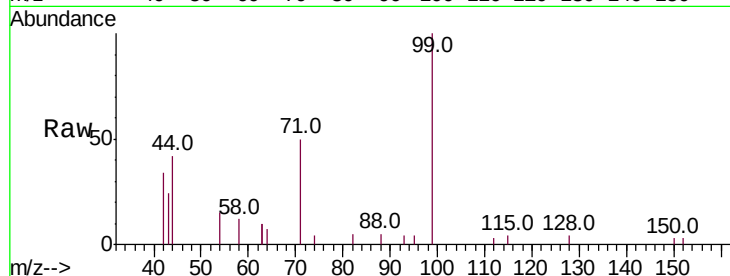
Tot Ion: 99 Resp: 2880

Ion Ratio Lower Upper

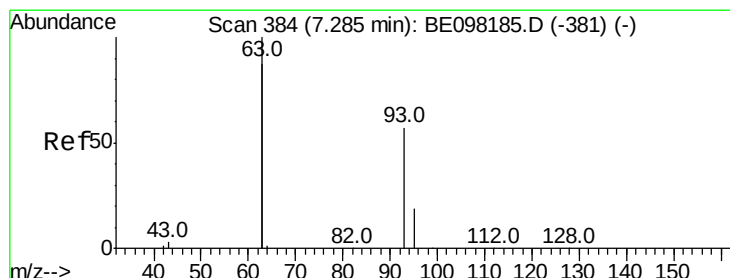
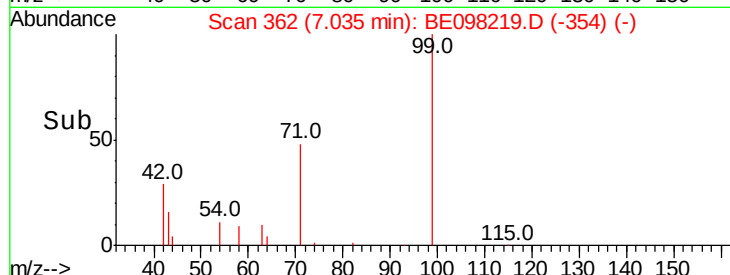
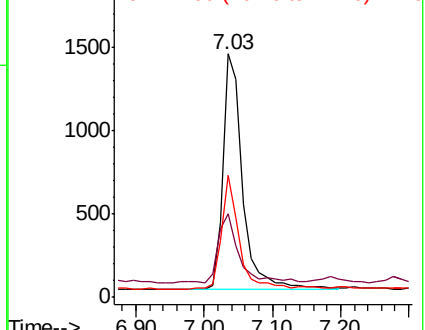
99 100

42 29.6 27.1 40.7

71 42.4 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: 0.391 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

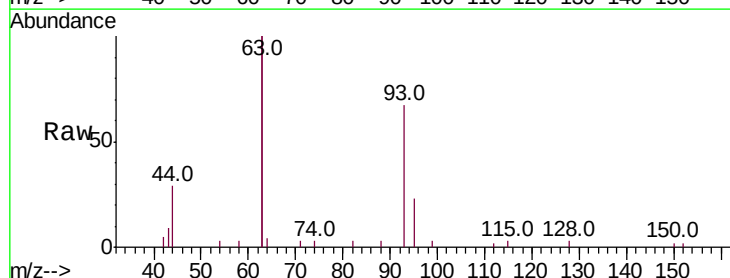
Tgt Ion: 93 Resp: 2186

Ion Ratio Lower Upper

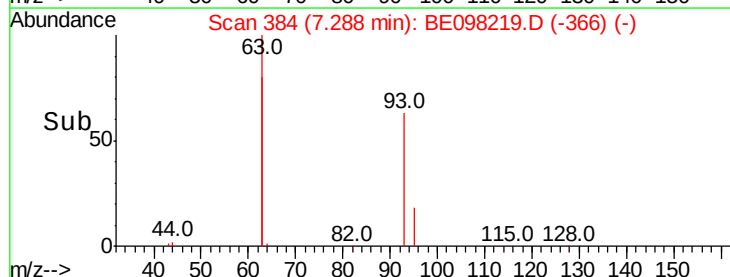
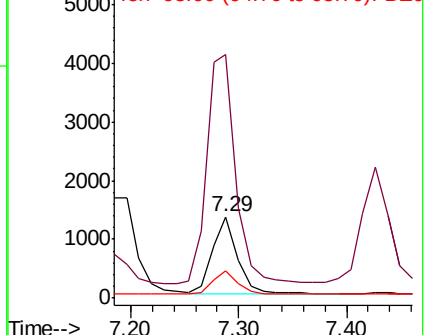
93 100

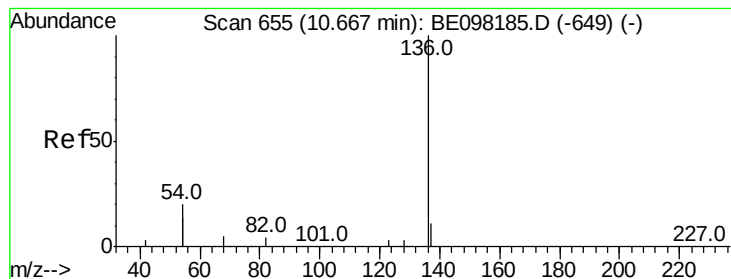
63 332.7 272.6 409.0

95 30.2 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: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

Tot Ion:136 Resp: 7753

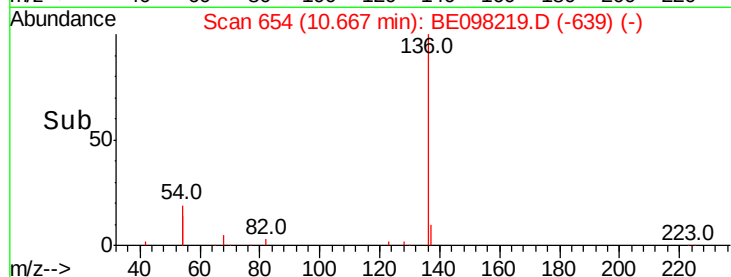
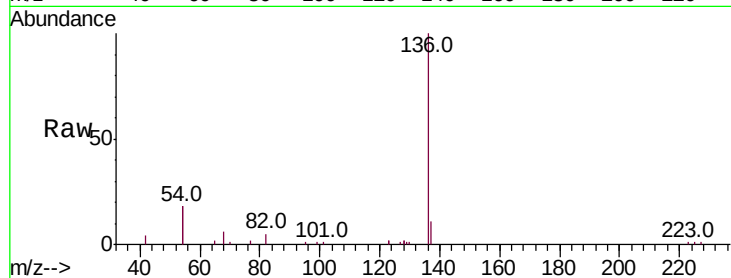
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 36.8 31.3 46.9

68 6.5 4.8 7.2

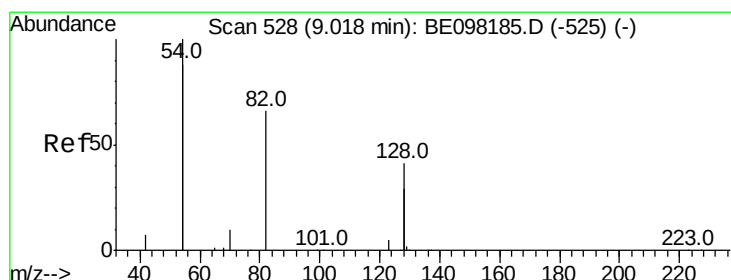
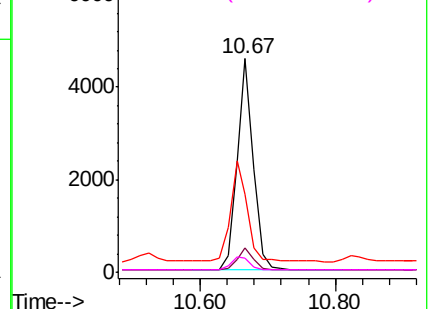


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.399 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

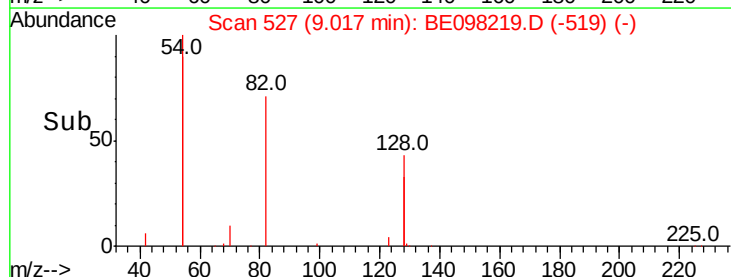
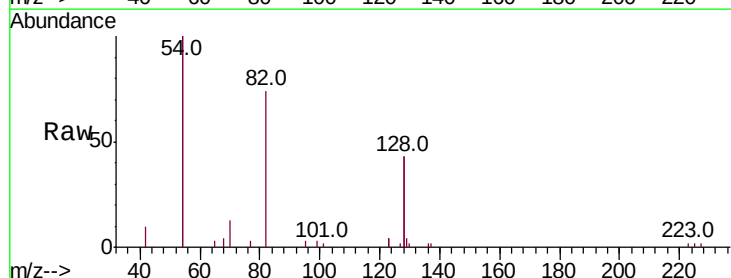
Tgt Ion: 82 Resp: 3084

Ion Ratio Lower Upper

82 100

128 116.0 96.1 144.1

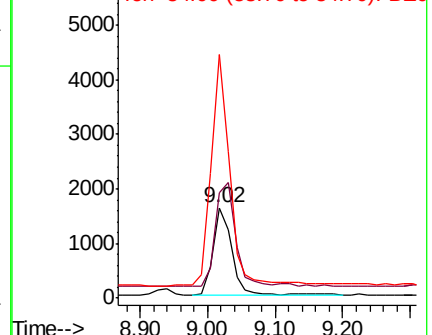
54 269.1 232.0 348.0

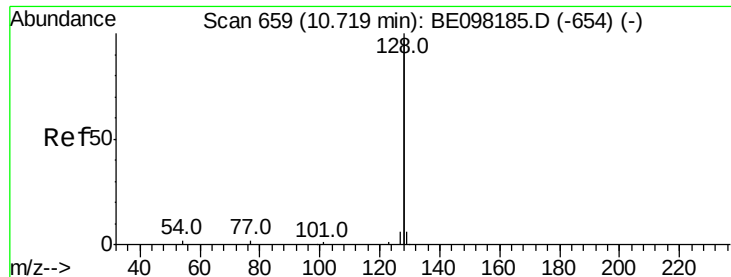


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.379 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

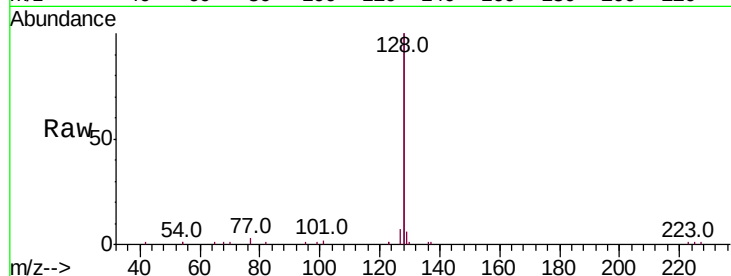
Tot Ion:128 Resp: 29891

Ion Ratio Lower Upper

128 100

129 3.0 2.6 4.0

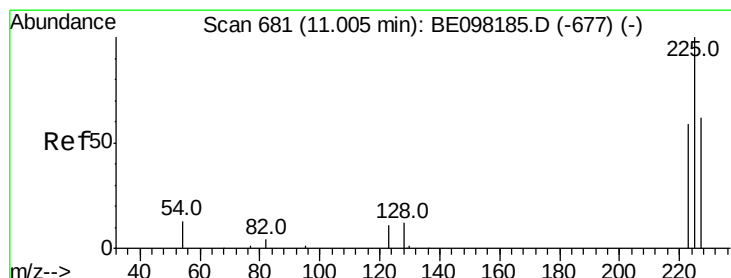
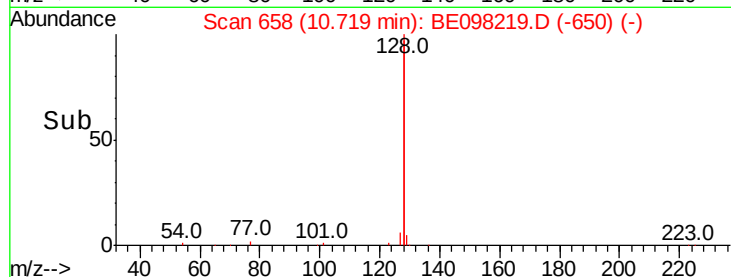
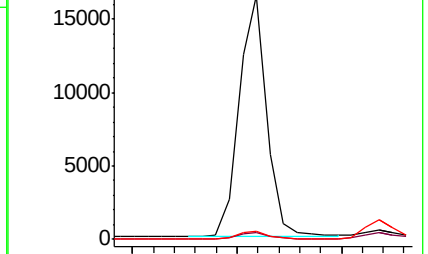
127 3.4 2.8 4.2



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: 0.362 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

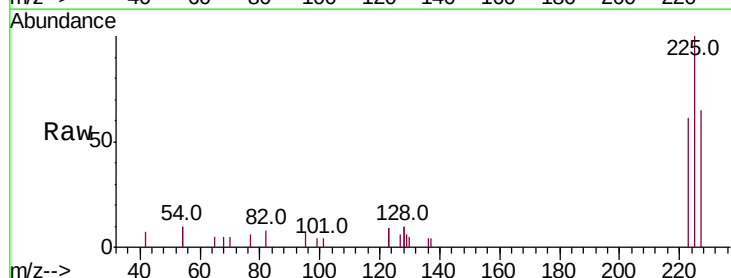
Tgt Ion:225 Resp: 1773

Ion Ratio Lower Upper

225 100

223 62.7 50.5 75.7

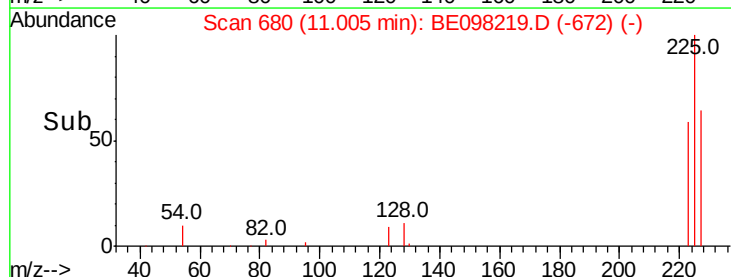
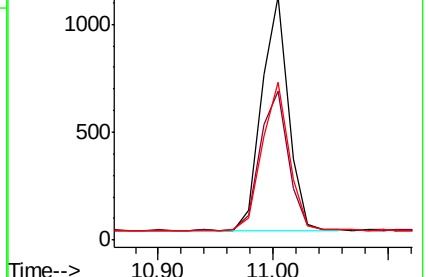
227 64.0 50.3 75.5

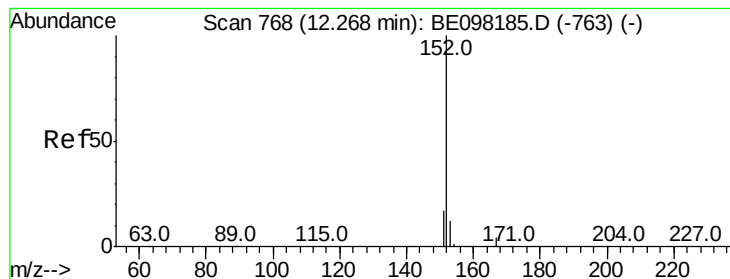


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

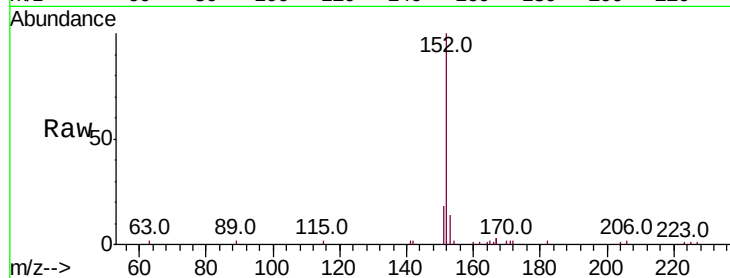
PB114778BS

Tot Ion:152 Resp: 5092

Ion Ratio Lower Upper

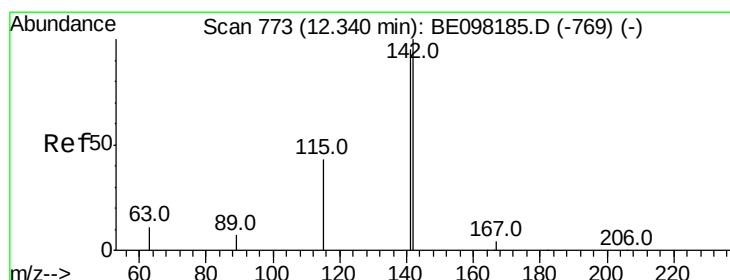
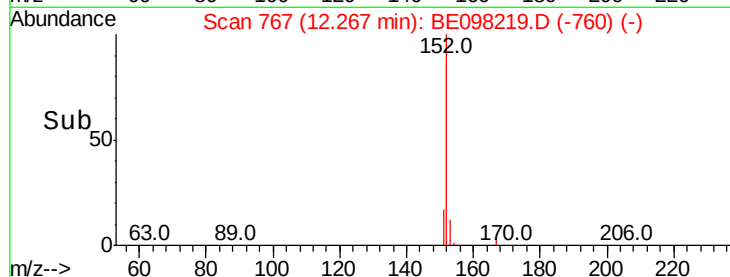
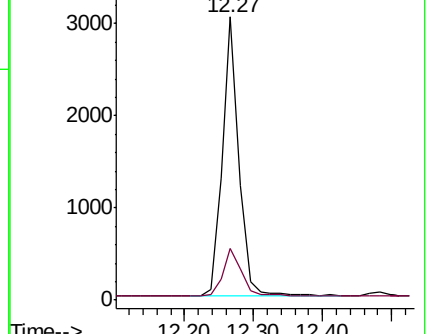
152 100

151 18.7 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.388 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

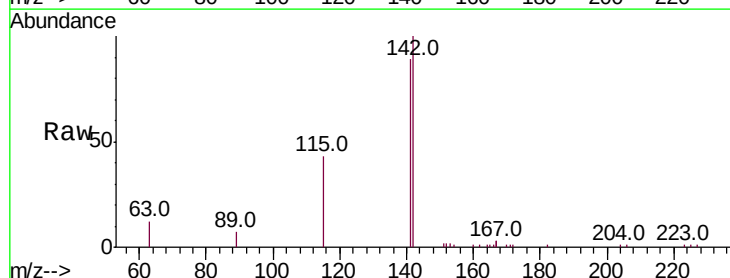
Tgt Ion:142 Resp: 5303

Ion Ratio Lower Upper

142 100

141 88.8 76.3 114.5

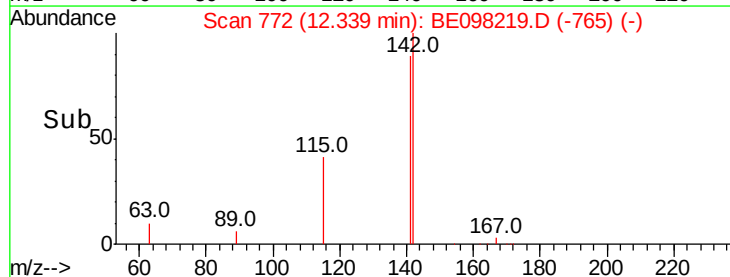
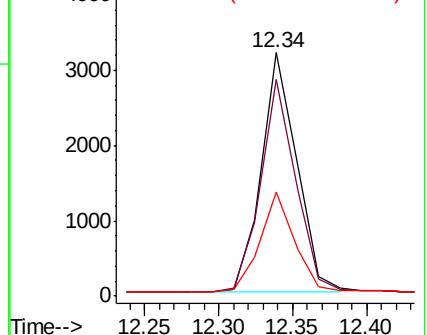
115 42.5 35.8 53.8

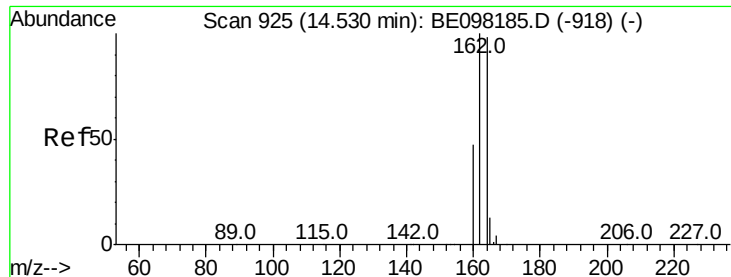


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

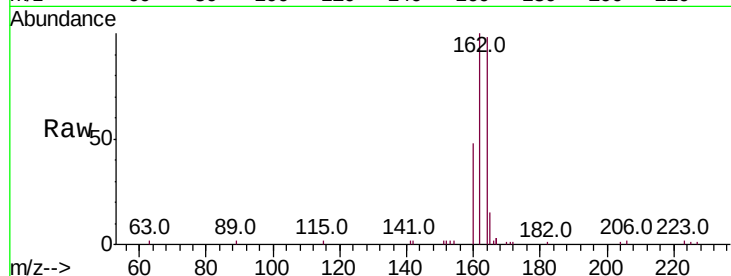




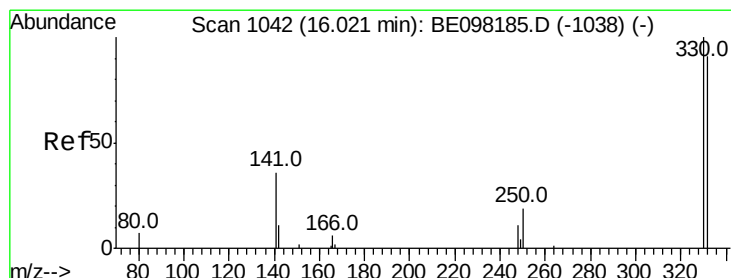
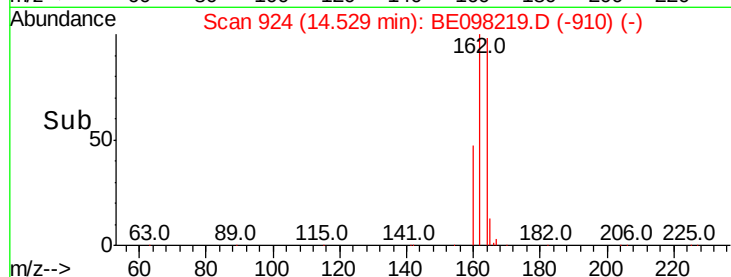
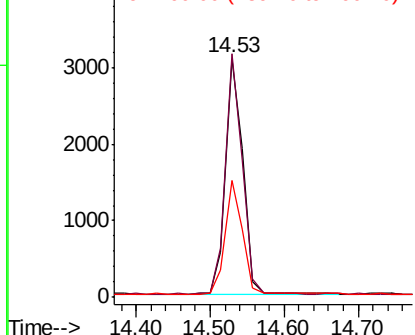
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098219.D
Acq: 13 Nov 2018 21:32

Instrument :
BNA_E
ClientSampleId :
PB114778BS

Tot Ion:164 Resp: 4970
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 49.1 39.4 59.0

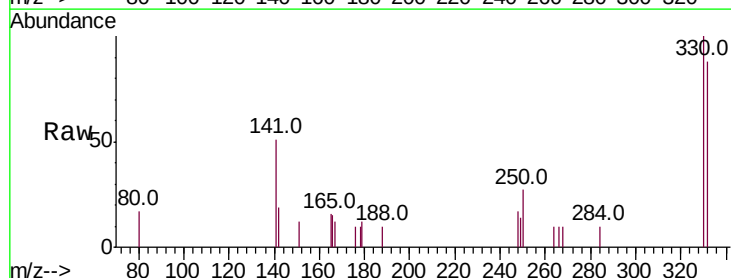


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

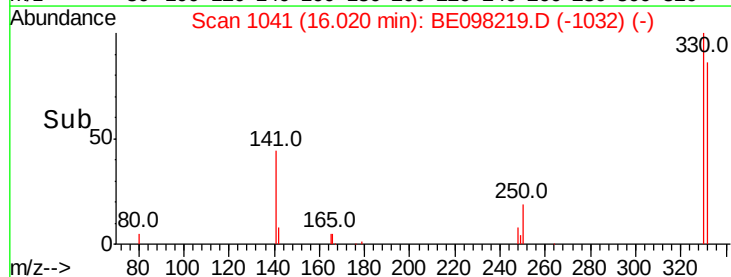
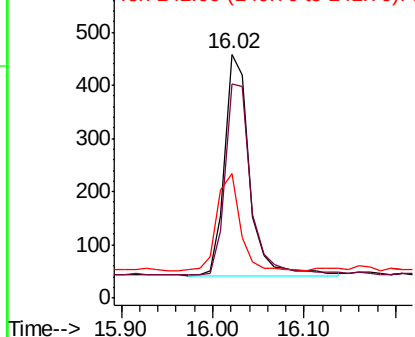


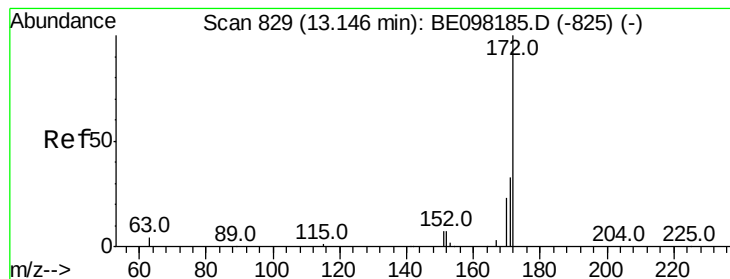
#14
2,4,6-Tribromophenol
Concen: 0.365 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098219.D
Acq: 13 Nov 2018 21:32

Tgt Ion:330 Resp: 792
Ion Ratio Lower Upper
330 100
332 91.9 77.7 116.5
141 40.0 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: 0.369 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

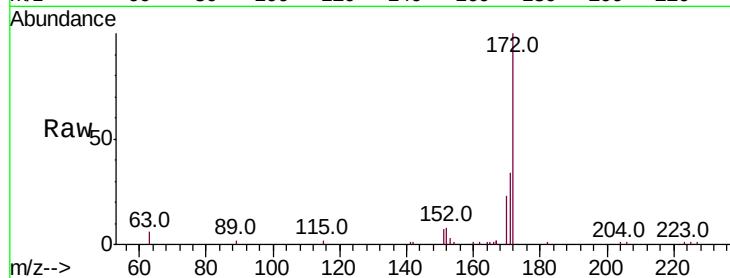
Tot Ion:172 Resp: 7680

Ion Ratio Lower Upper

172 100

171 33.9 27.3 40.9

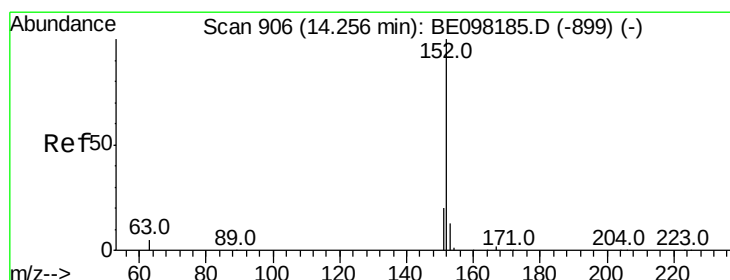
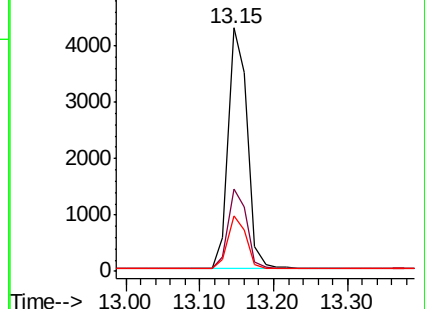
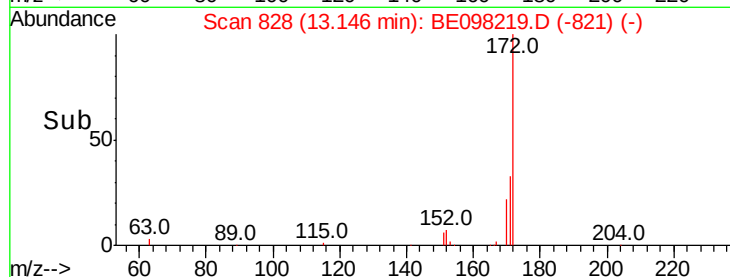
170 23.0 19.4 29.0



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: 0.386 ng

RT: 14.25 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

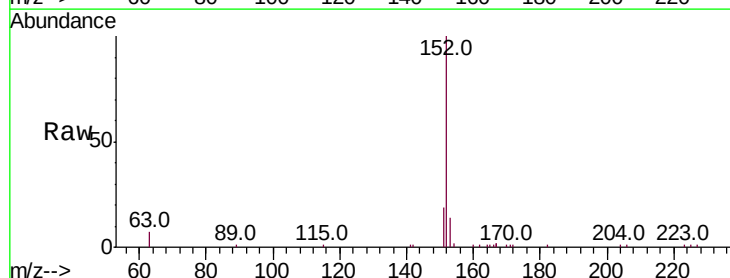
Tgt Ion:152 Resp: 8794

Ion Ratio Lower Upper

152 100

151 19.4 16.4 24.6

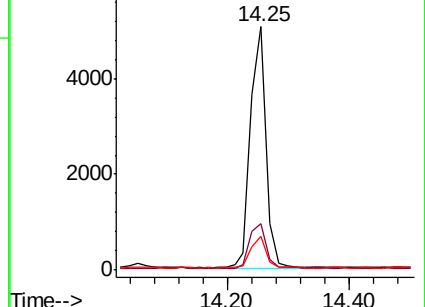
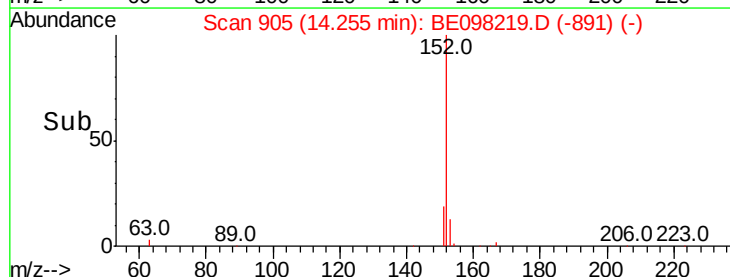
153 12.7 10.6 15.8

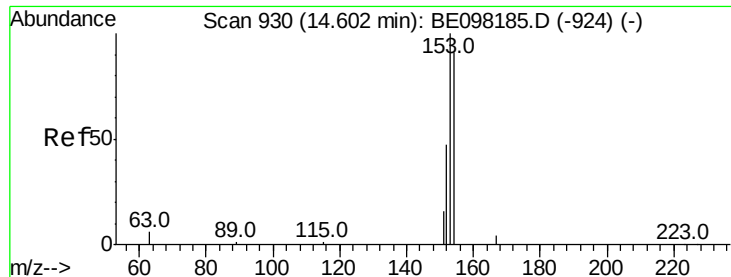


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

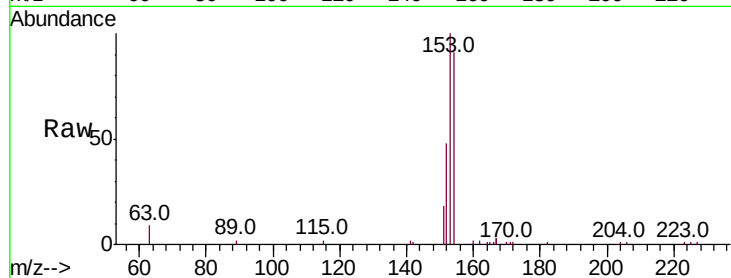




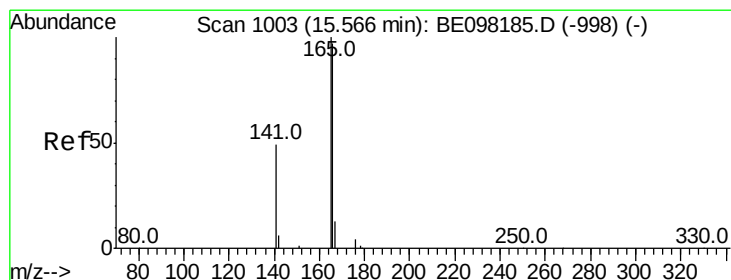
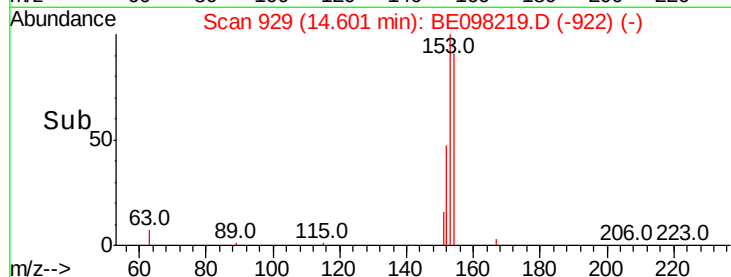
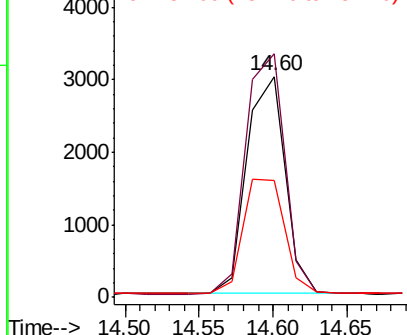
#17
Acenaphthene
Concen: 0.386 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098219.D
Acq: 13 Nov 2018 21:32

Instrument :
BNA_E
ClientSampleId :
PB114778BS

Tot Ion:154 Resp: 5376
Ion Ratio Lower Upper
154 100
153 113.6 92.1 138.1
152 57.2 46.2 69.2

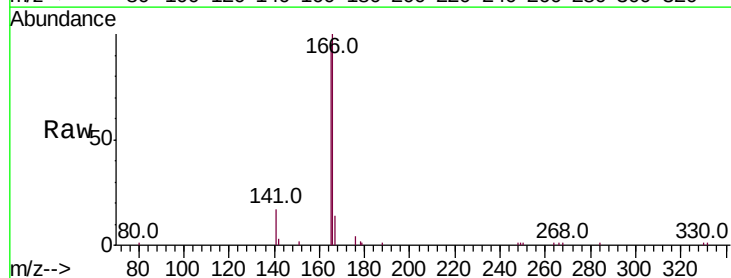


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

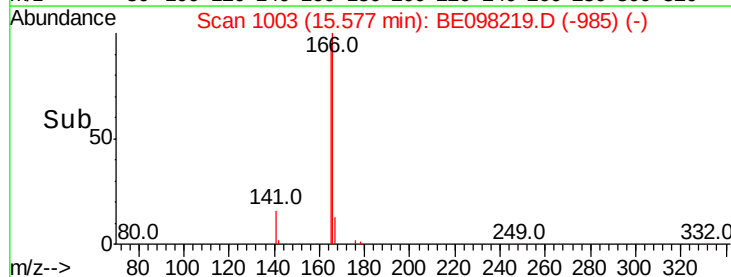
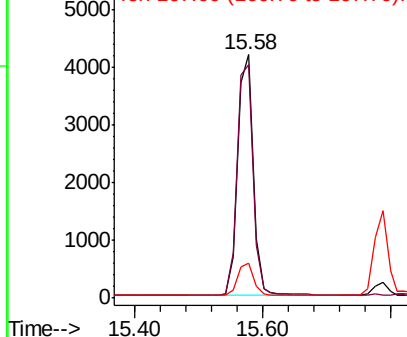


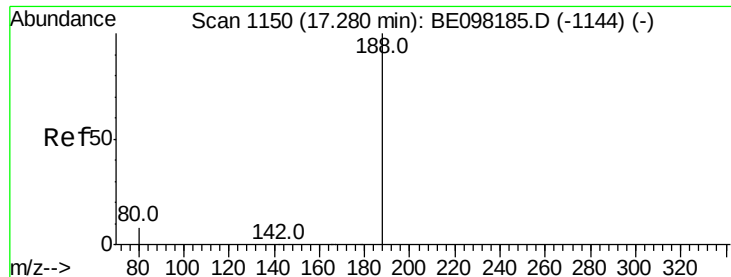
#18
Fluorene
Concen: 0.385 ng
RT: 15.58 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE098219.D
Acq: 13 Nov 2018 21:32

Tgt Ion:166 Resp: 6866
Ion Ratio Lower Upper
166 100
165 98.3 80.1 120.1
167 13.5 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: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

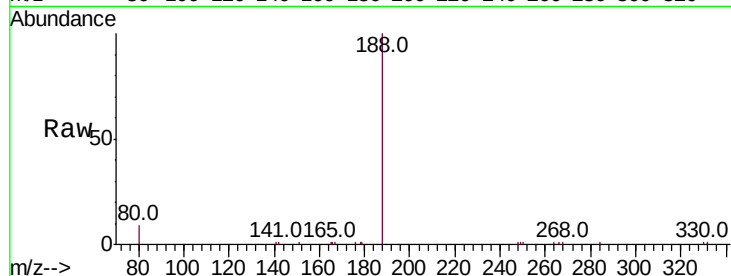
Tot Ion:188 Resp: 11368

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

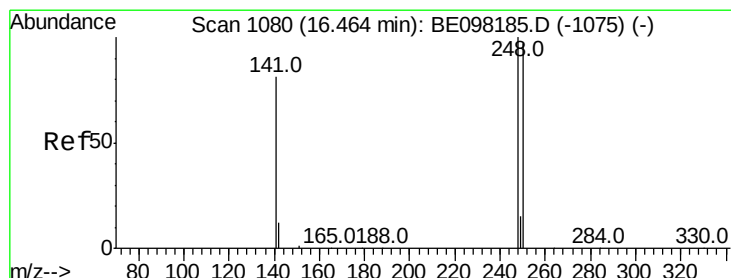
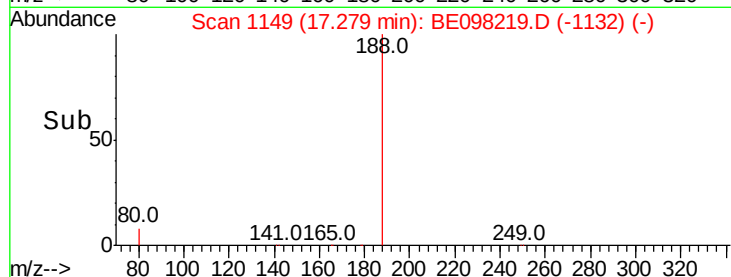
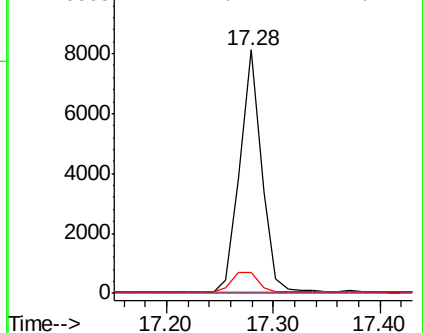
80 8.6 6.7 10.1



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



#20

4-Bromophenyl-phenylether

Concen: 0.385 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

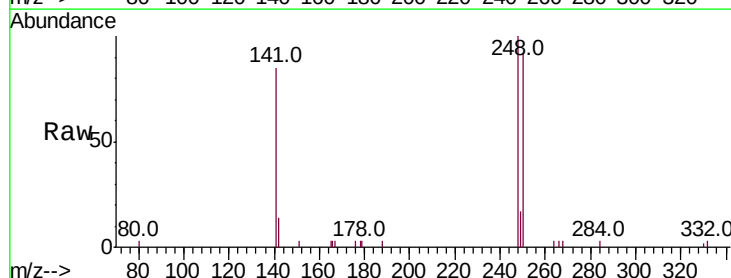
Tgt Ion:248 Resp: 2664

Ion Ratio Lower Upper

248 100

250 91.9 77.6 116.4

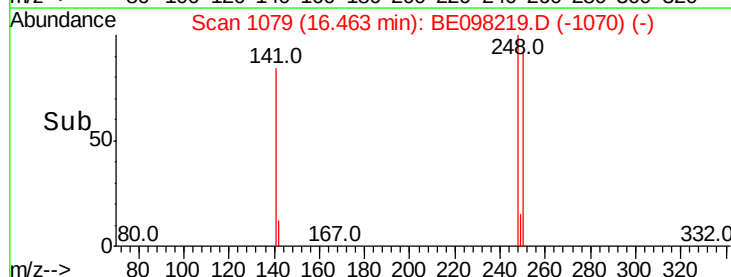
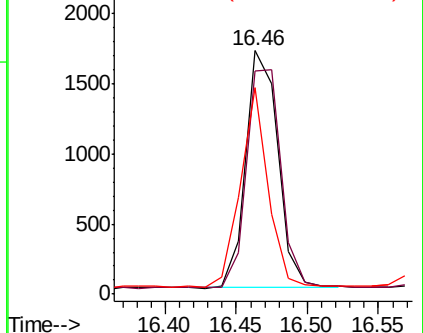
141 84.8 65.8 98.8

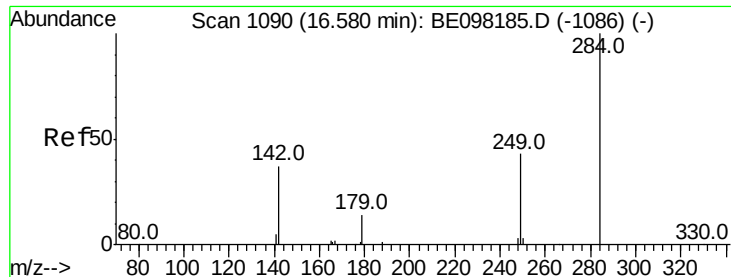


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

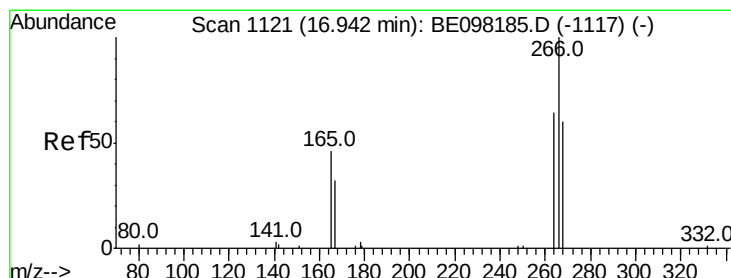
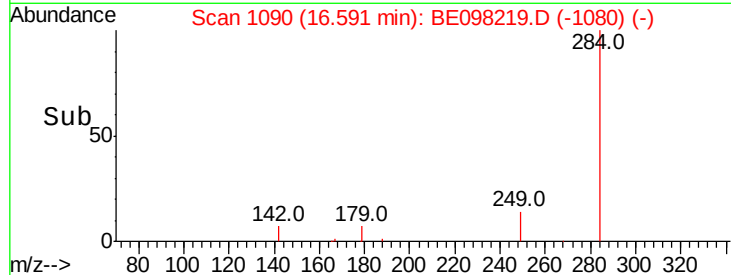
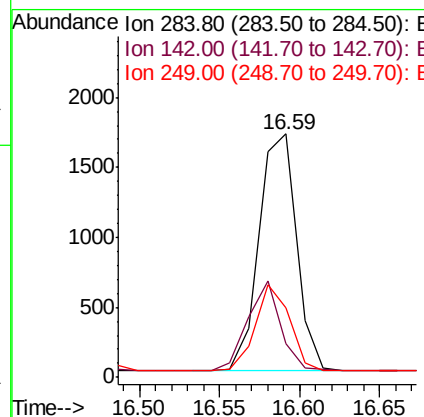
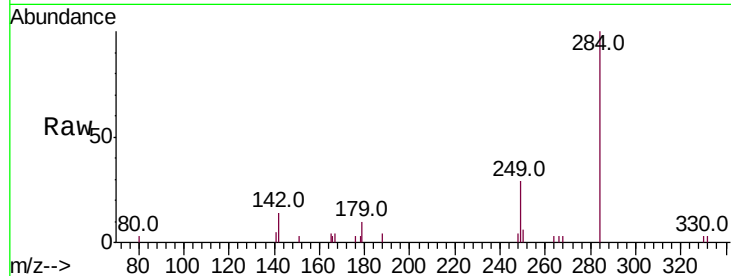




#21
Hexachlorobenzene
Concen: 0.386 ng
RT: 16.59 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BE098219.D
Acq: 13 Nov 2018 21:32

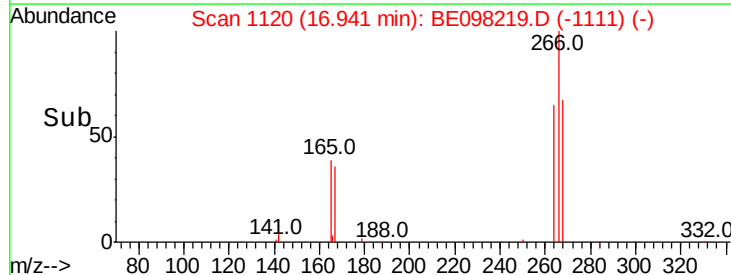
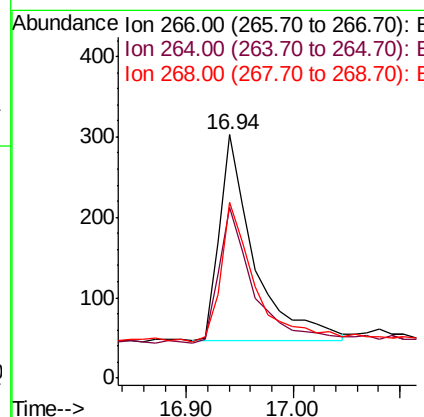
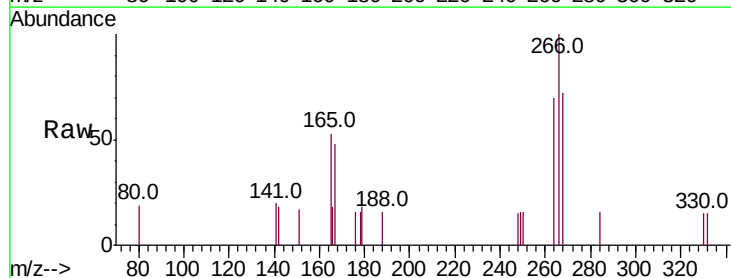
Instrument :
BNA_E
ClientSampleId :
PB114778BS

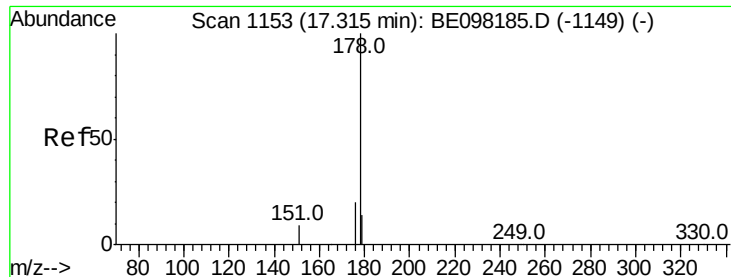
Tot Ion:	284	Resp:	2783
Ion	Ratio	Lower	Upper
284	100		
142	32.6	26.5	39.7
249	33.4	28.4	42.6



#22
Pentachlorophenol
Concen: 0.438 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098219.D
Acq: 13 Nov 2018 21:32

Tgt Ion:	266	Resp:	576
Ion	Ratio	Lower	Upper
266	100		
264	70.0	57.6	86.4
268	71.9	56.8	85.2





#23

Phenanthrene

Concen: 0.391 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

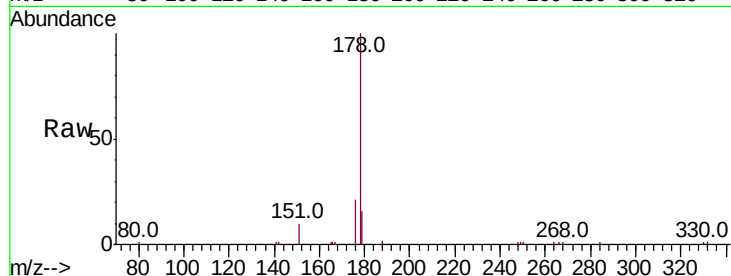
Tot Ion:178 Resp: 11060

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

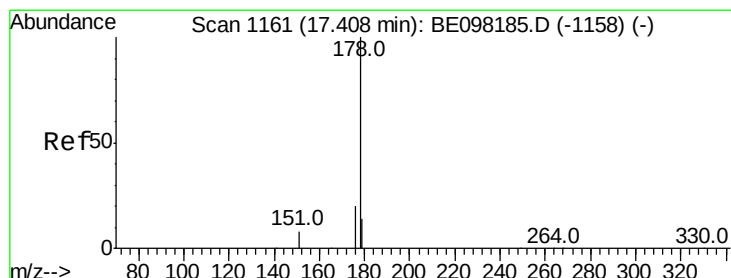
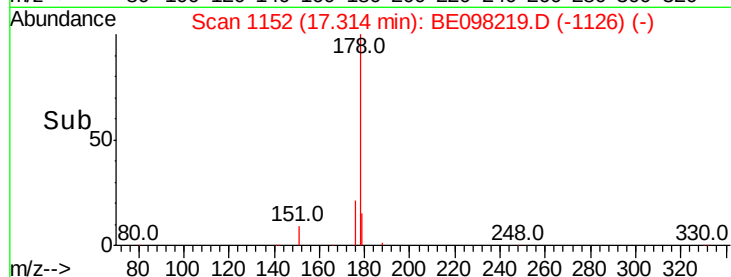
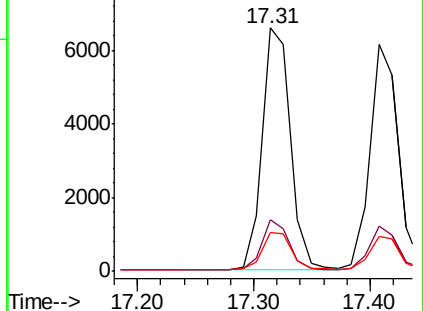
179 15.5 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.387 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

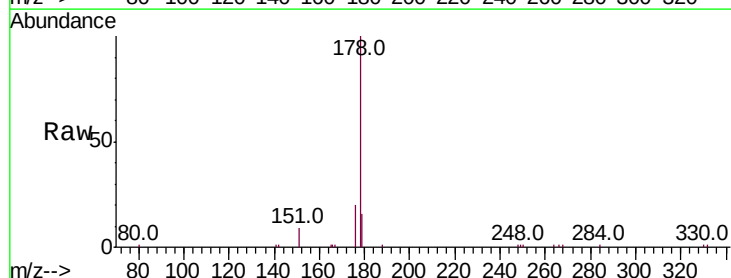
Tgt Ion:178 Resp: 10199

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

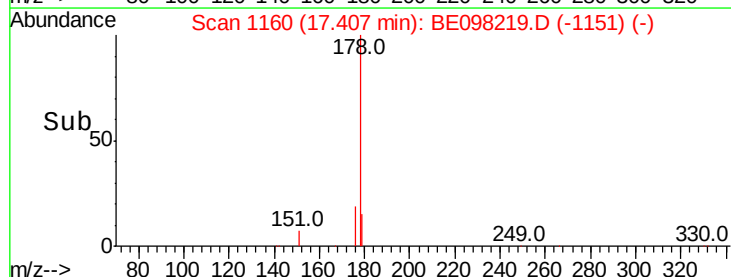
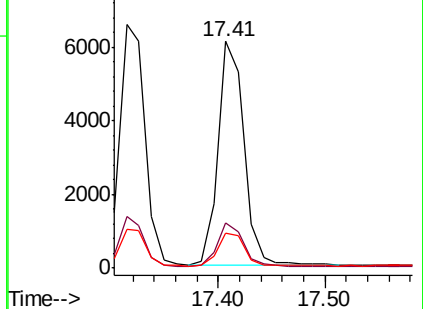
179 15.1 12.1 18.1

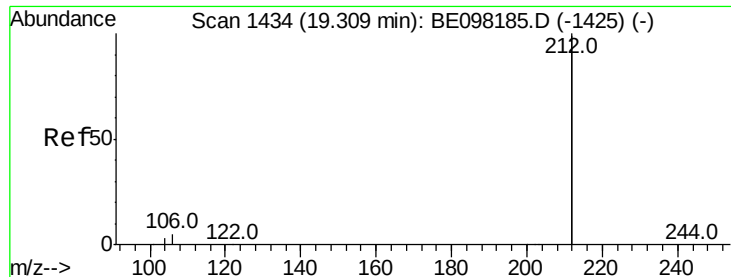


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

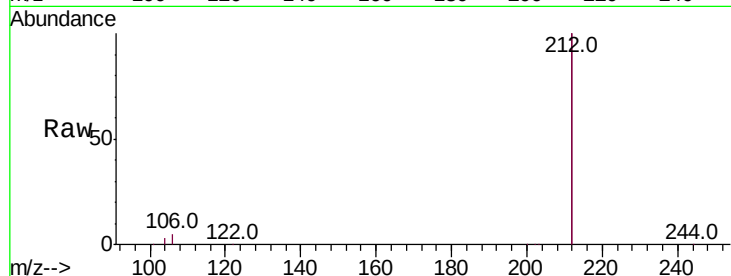
Tot Ion:212 Resp: 53879

Ion Ratio Lower Upper

212 100

106 2.5 1.8 2.8

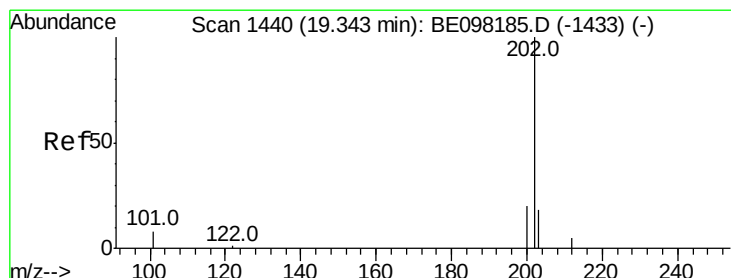
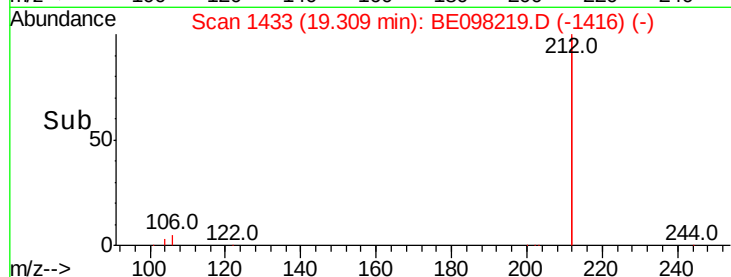
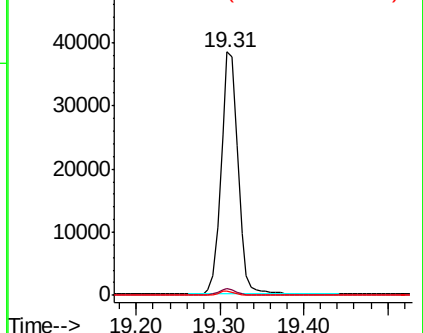
104 1.4 1.1 1.7



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: 0.384 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

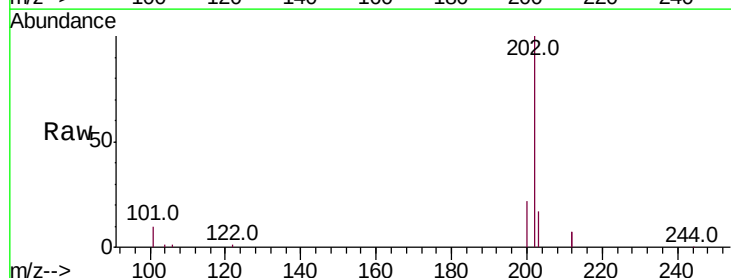
Tgt Ion:202 Resp: 13476

Ion Ratio Lower Upper

202 100

101 9.3 7.0 10.6

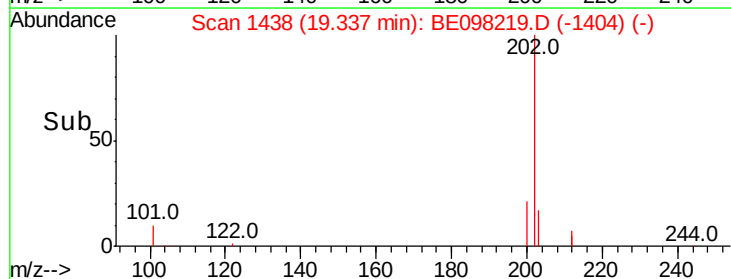
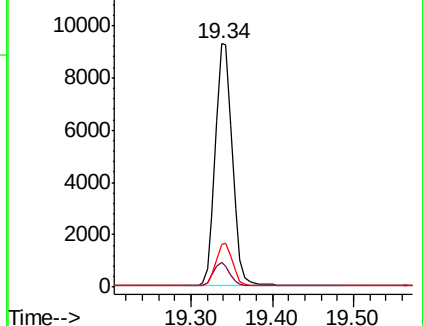
203 17.1 13.7 20.5

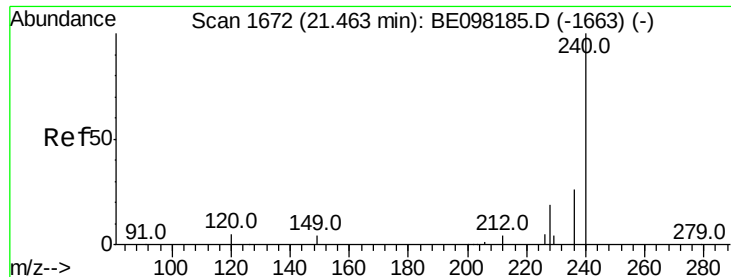


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

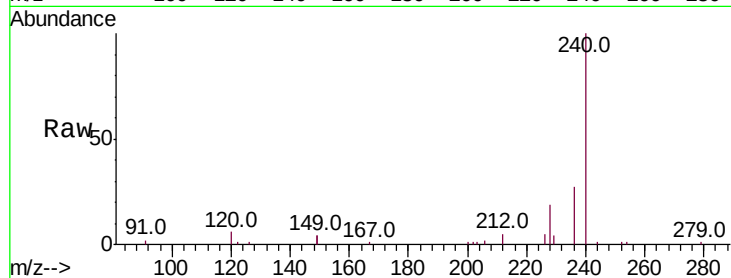
Tot Ion:240 Resp: 13359

Ion Ratio Lower Upper

240 100

120 6.4 4.8 7.2

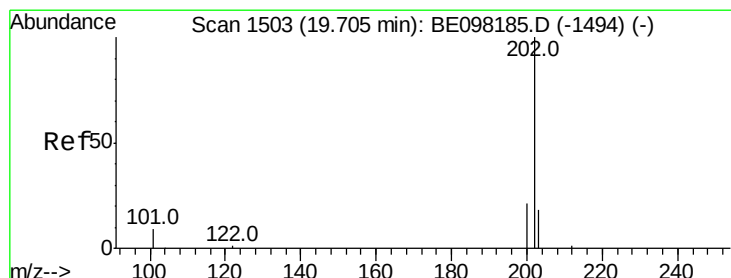
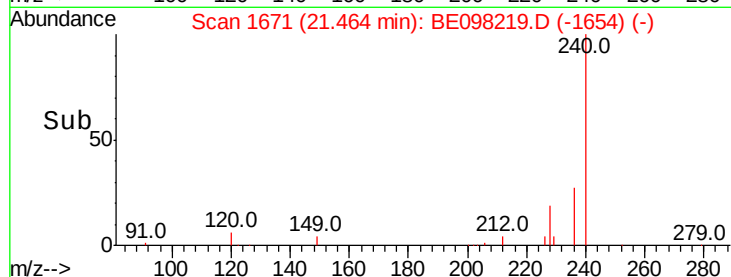
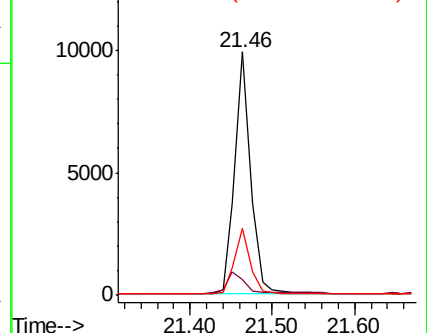
236 27.3 21.4 32.0



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: 0.385 ng

RT: 19.70 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

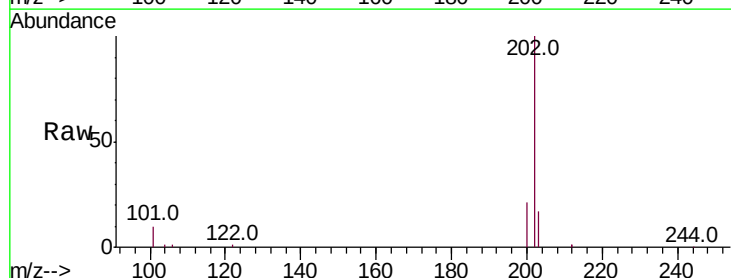
Tgt Ion:202 Resp: 14154

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

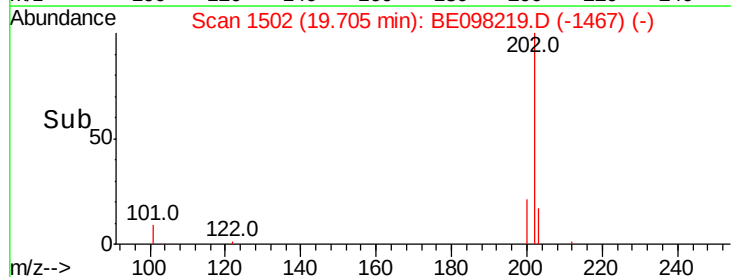
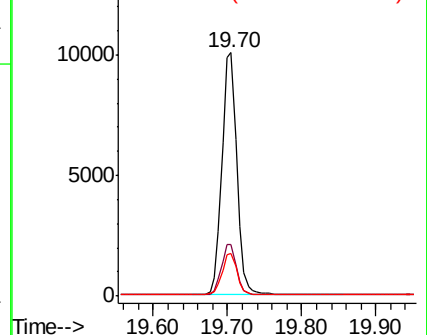
203 17.1 14.2 21.4

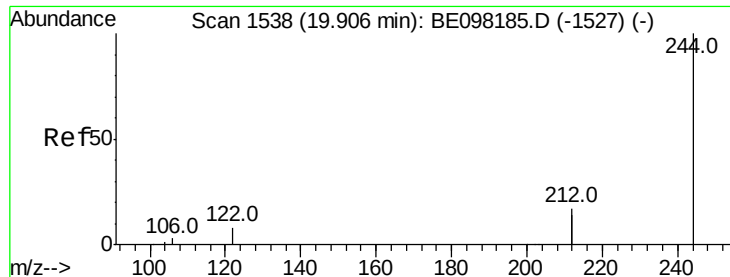


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.368 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

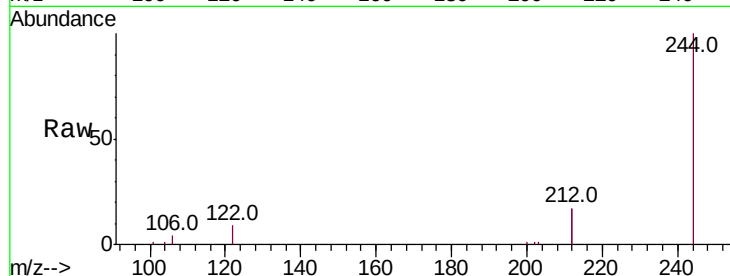
Tot Ion:244 Resp: 11158

Ion Ratio Lower Upper

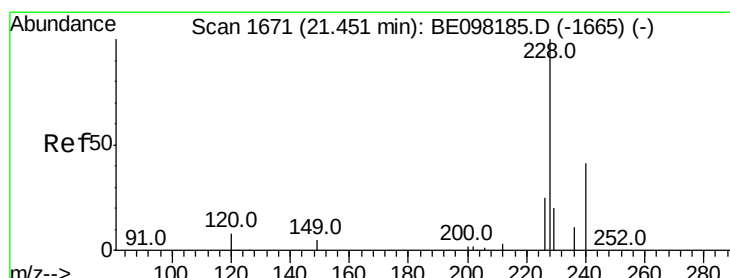
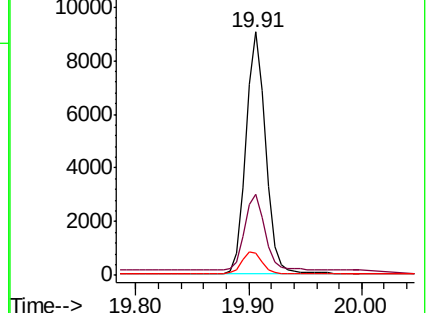
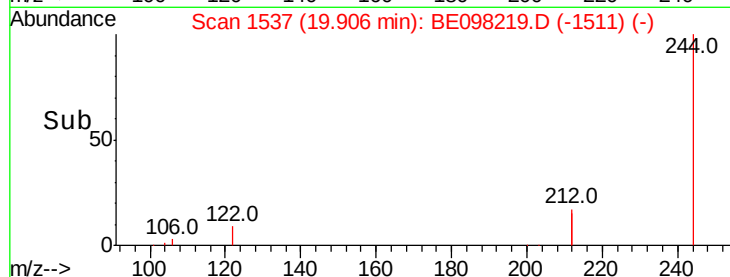
244 100

212 33.4 26.8 40.2

122 9.3 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: 0.383 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

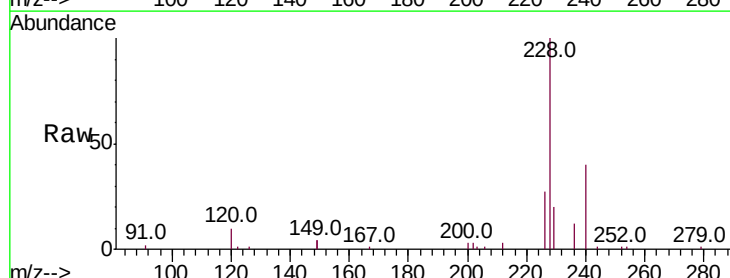
Tgt Ion:228 Resp: 14538

Ion Ratio Lower Upper

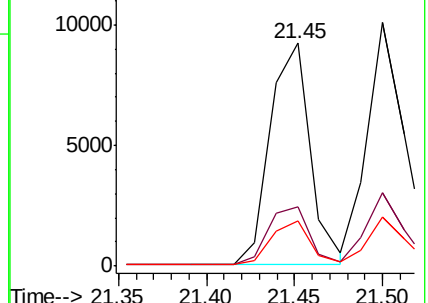
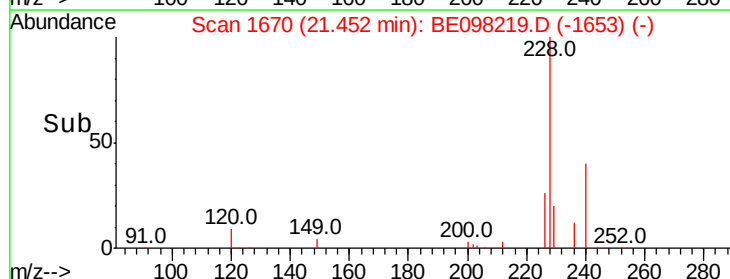
228 100

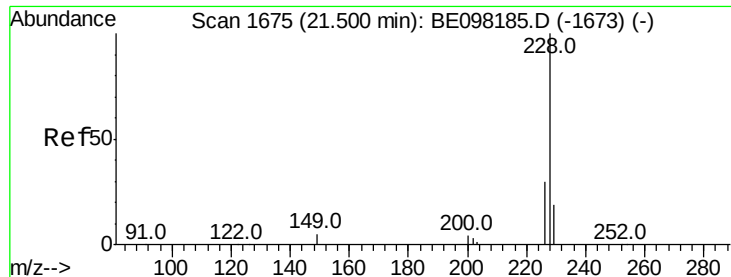
226 26.7 20.7 31.1

229 20.3 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: 0.374 ng

RT: 21.50 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

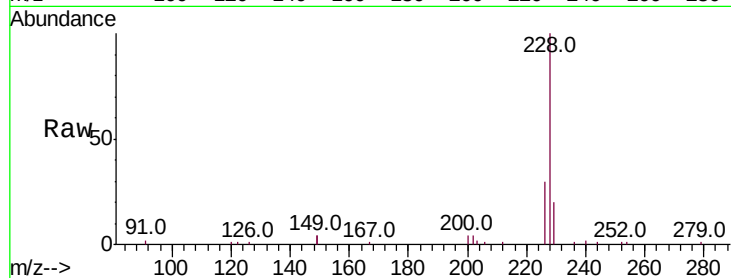
Tot Ion:228 Resp: 14401

Ion Ratio Lower Upper

228 100

226 30.4 24.6 36.8

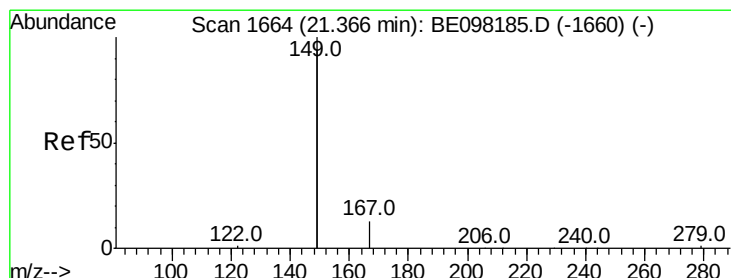
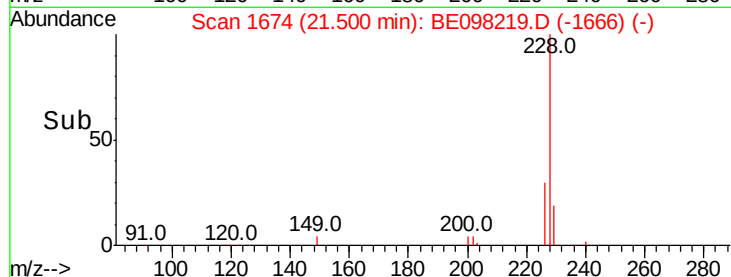
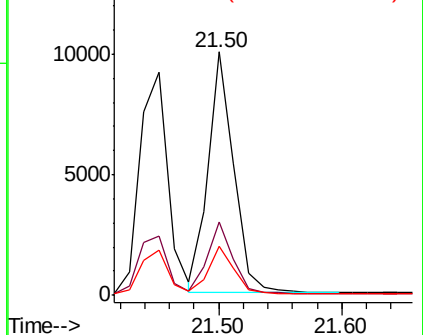
229 20.0 16.0 24.0



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: 0.420 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

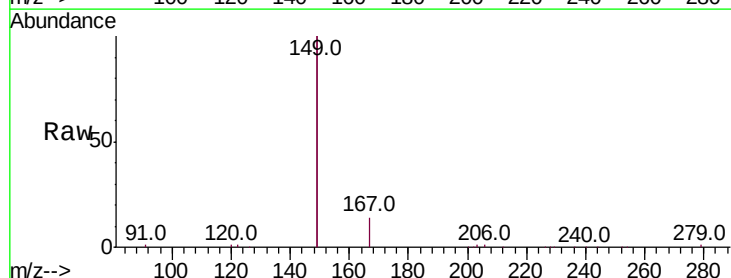
Tgt Ion:149 Resp: 33112

Ion Ratio Lower Upper

149 100

167 6.9 5.6 8.4

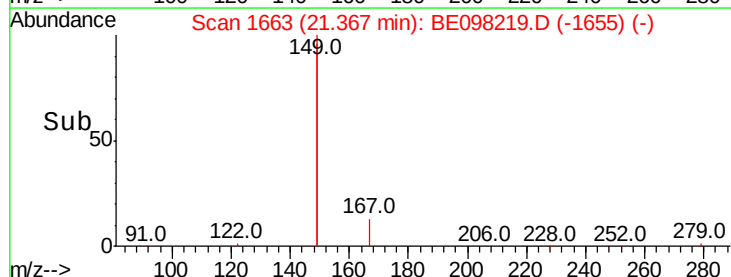
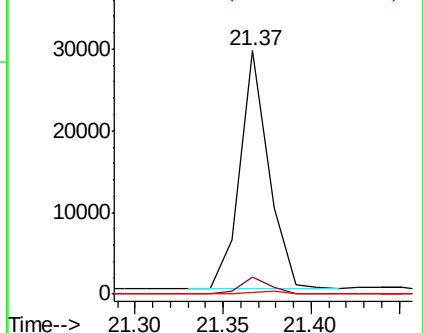
279 1.1 0.9 1.3

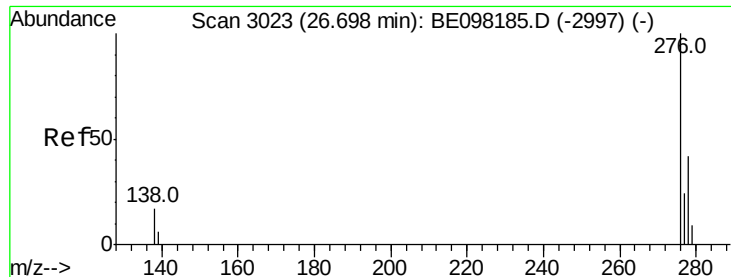


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.390 ng

RT: 26.70 min Scan# 3024

Delta R.T. 0.01 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

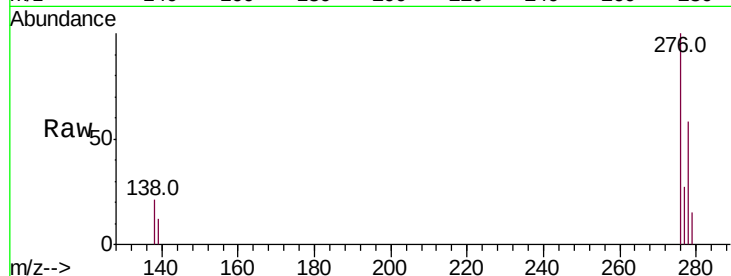
Tot Ion:276 Resp: 13804

Ion Ratio Lower Upper

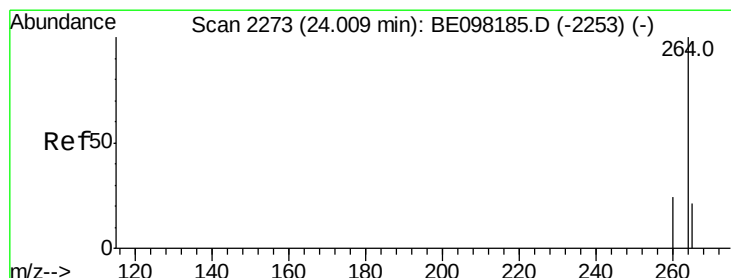
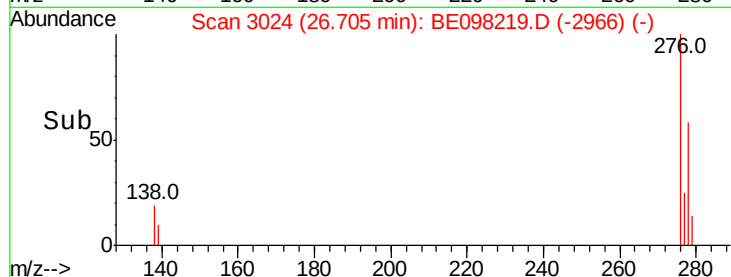
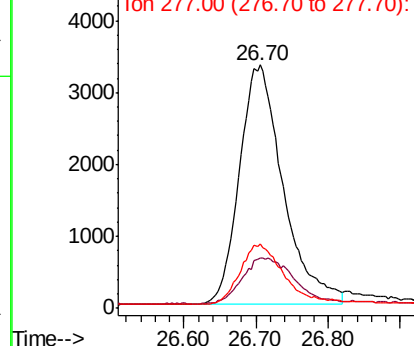
276 100

138 22.9 6.4 9.6#

277 25.5 18.9 28.3



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: 24.01 min Scan# 2272

Delta R.T. 0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

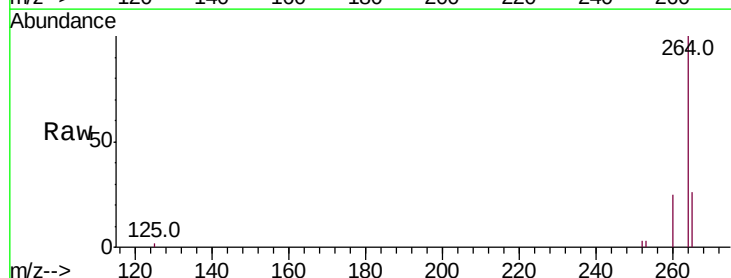
Tgt Ion:264 Resp: 12722

Ion Ratio Lower Upper

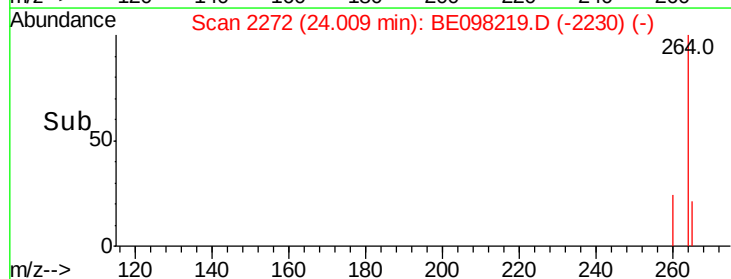
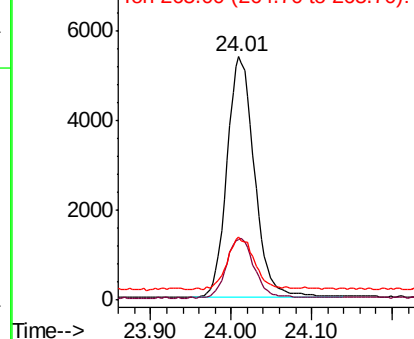
264 100

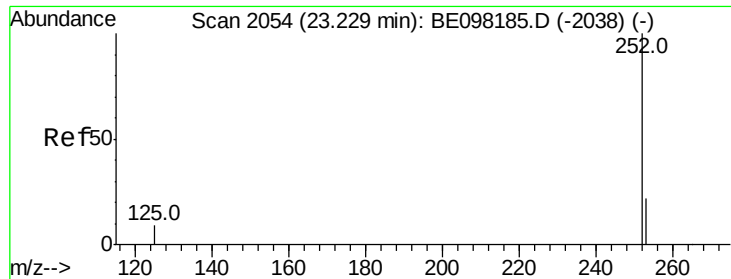
260 25.1 19.9 29.9

265 26.0 21.3 31.9



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: 0.376 ng

RT: 23.23 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

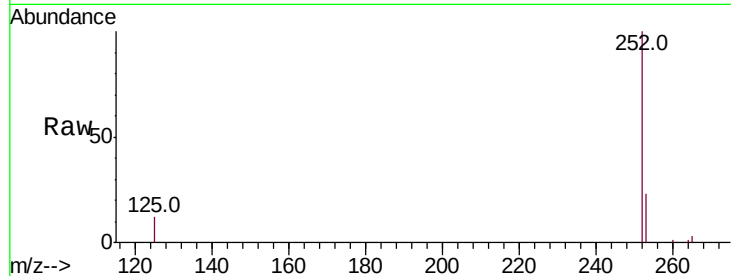
Tot Ion:252 Resp: 13564

Ion Ratio Lower Upper

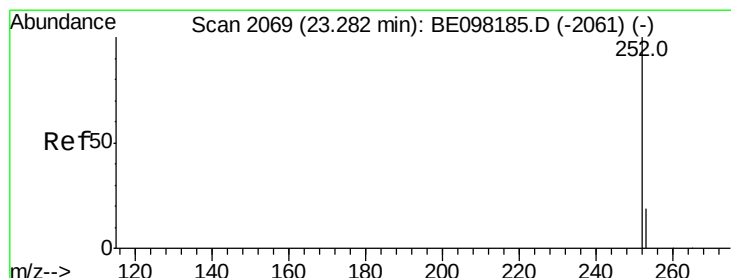
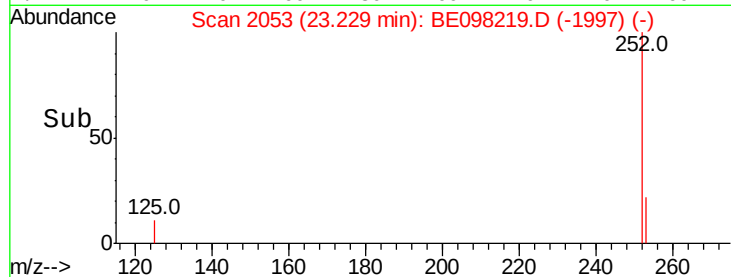
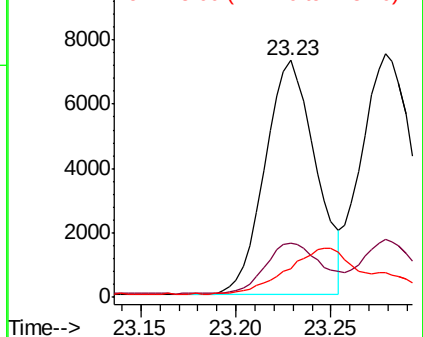
252 100

253 23.1 19.4 29.0

125 12.1 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: 0.388 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

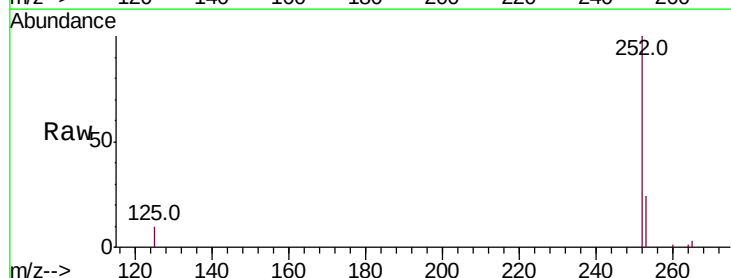
Tgt Ion:252 Resp: 14763

Ion Ratio Lower Upper

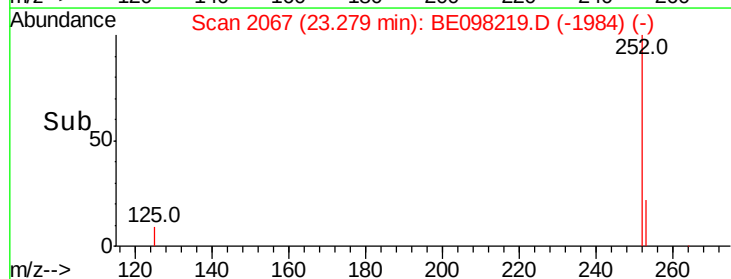
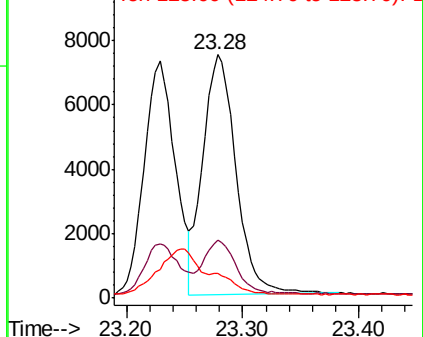
252 100

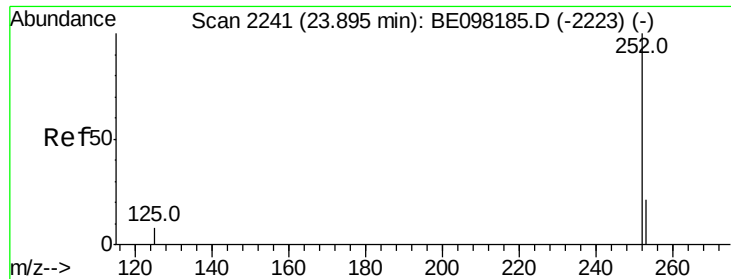
253 23.7 18.6 28.0

125 10.3 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

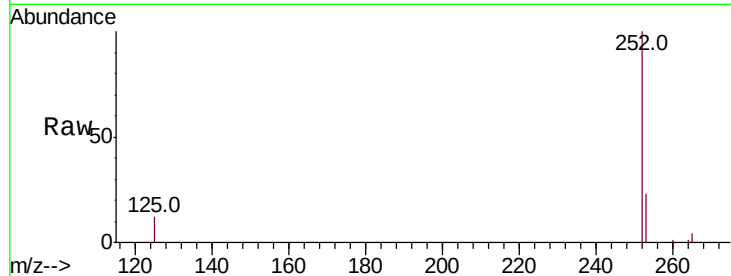




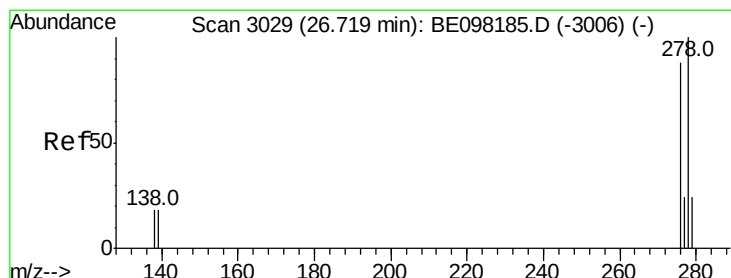
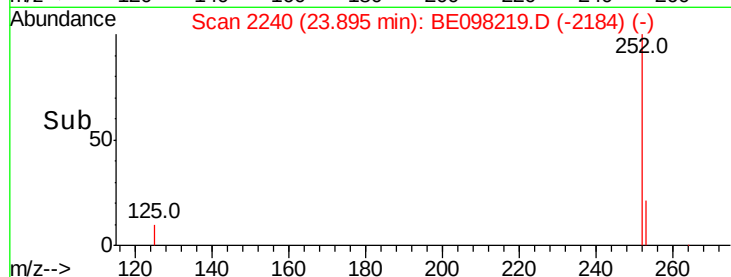
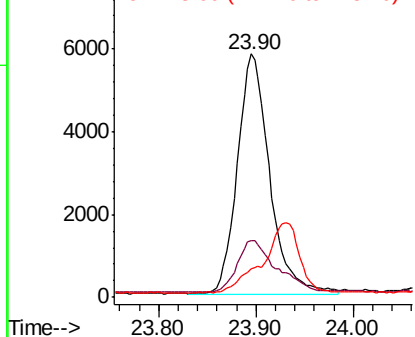
#37
Benzo(a)pyrene
Concen: 0.386 ng
RT: 23.90 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BE098219.D
Acq: 13 Nov 2018 21:32

Instrument :
BNA_E
ClientSampleId :
PB114778BS

Tot Ion:252 Resp: 13358
Ion Ratio Lower Upper
252 100
253 23.1 18.6 27.8
125 11.6 8.0 12.0

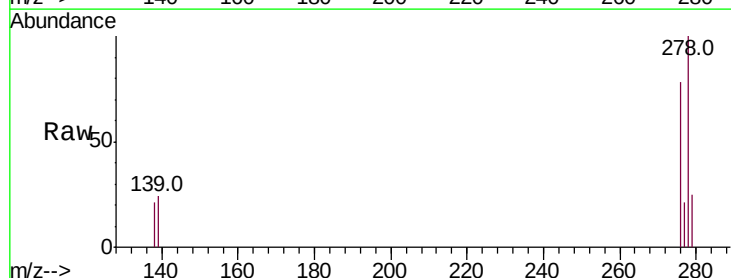


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

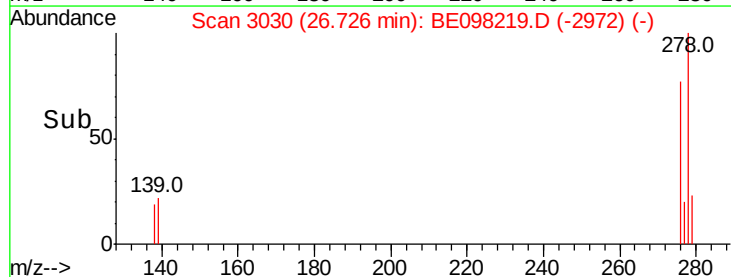
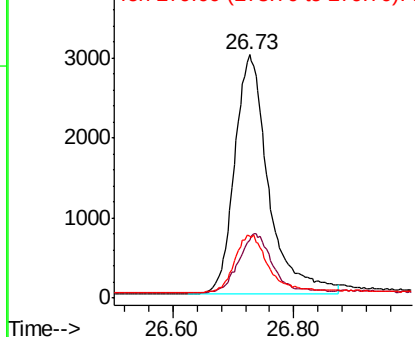


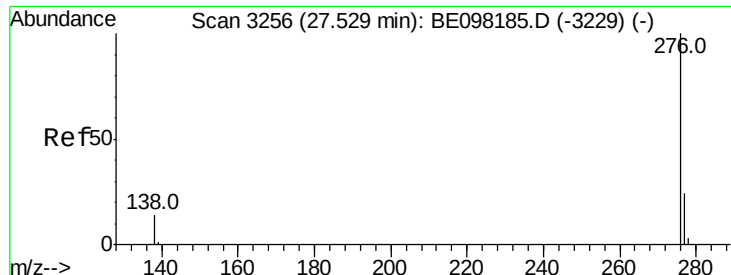
#38
Dibenzo(a,h)anthracene
Concen: 0.394 ng
RT: 26.73 min Scan# 3030
Delta R.T. 0.01 min
Lab File: BE098219.D
Acq: 13 Nov 2018 21:32

Tgt Ion:278 Resp: 11614
Ion Ratio Lower Upper
278 100
139 23.9 16.4 24.6
279 25.2 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: 0.381 ng

RT: 27.53 min Scan# 3255

Delta R.T. 0.00 min

Lab File: BE098219.D

Acq: 13 Nov 2018 21:32

Instrument :

BNA_E

ClientSampleId :

PB114778BS

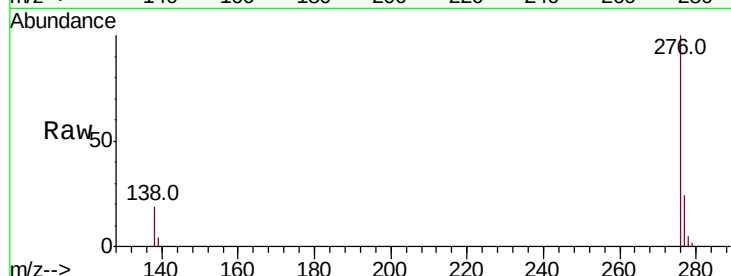
Tot Ion:276 Resp: 11723

Ion Ratio Lower Upper

276 100

277 24.3 20.4 30.6

138 18.5 13.2 19.8



Abundance Ion 276.00 (275.70 to 276.70): E

4000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

