

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121918\
 Data File : BE098528.D
 Acq On : 19 Dec 2018 14:40
 Operator : SJ/JU
 Sample : J6358-11MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20181211MS

Quant Time: Dec 19 16:18:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	723	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	3625	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	2624	0.40	ng	-0.02
19) Phenanthrene-d10	17.26	188	6248	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	7894	0.40	ng	-0.01
34) Perylene-d12	23.98	264	6965	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	477	0.28	ng	0.00
5) Phenol-d6	7.03	99	456	0.19	ng	-0.01
8) Nitrobenzene-d5	9.02	82	1380	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2756	0.47	ng	-0.02
14) 2,4,6-Tribromophenol	16.01	330	724	0.75	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	5374	0.49	ng	-0.02
25) Fluoranthene-d10	19.29	212	36484	0.46	ng	-0.02
29) Terphenyl-d14	19.89	244	8720	0.45	ng	-0.02

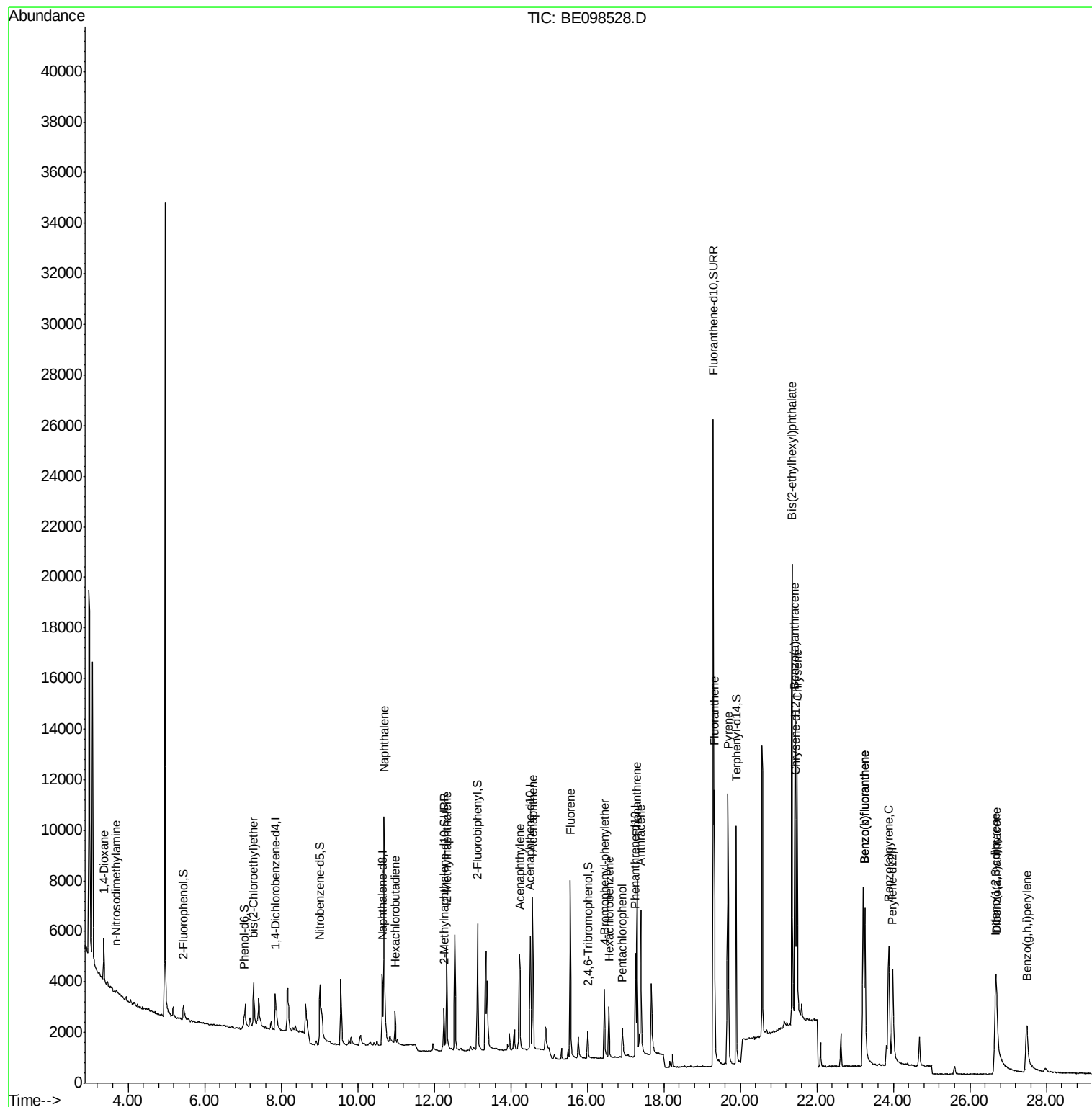
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	903	0.722	ng	# 89
3) n-Nitrosodimethylamine	3.69	42	155	0.138	ng	# 100
6) bis(2-Chloroethyl)ether	7.27	93	940	0.413	ng	96
9) Naphthalene	10.69	128	17183	0.471	ng	99
10) Hexachlorobutadiene	10.98	225	910	0.392	ng	97
12) 2-Methylnaphthalene	12.32	142	3153	0.532	ng	98
16) Acenaphthylene	14.23	152	5155	0.419	ng	99
17) Acenaphthene	14.57	154	3182	0.431	ng	99
18) Fluorene	15.55	166	4612	0.467	ng	100
20) 4-Bromophenyl-phenylether	16.45	248	1572	0.467	ng	# 84
21) Hexachlorobenzene	16.57	284	1709	0.473	ng	99
22) Pentachlorophenol	16.92	266	818	1.131	ng	98
23) Phenanthrene	17.30	178	7723	0.509	ng	99
24) Anthracene	17.40	178	6574	0.486	ng	99
26) Fluoranthene	19.32	202	10034	0.500	ng	99
28) Pyrene	19.68	202	10376	0.419	ng	99
30) Benzo(a)anthracene	21.43	228	10892	0.485	ng	99
31) Chrysene	21.49	228	10328	0.439	ng	98
32) Bis(2-ethylhexyl)phthalate	21.36	149	22716	0.498	ng	99
33) Indeno(1,2,3-cd)pyrene	26.67	276	3156	0.135	ng	# 73
35) Benzo(b)fluoranthene	23.26	252	11158	0.586	ng	97
36) Benzo(k)fluoranthene	23.26	252	11158	0.503	ng	98
37) Benzo(a)pyrene	23.87	252	10155	0.517	ng	98
38) Dibenzo(a,h)anthracene	26.69	278	7028	0.380	ng	# 95
39) Benzo(g,h,i)perylene	27.49	276	6945	0.372	ng	98

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

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QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

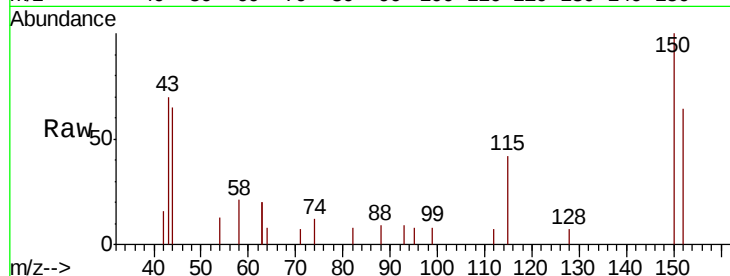
Tot Ion:152 Resp: 723

Ion Ratio Lower Upper

152 100

150 155.9 124.2 186.4

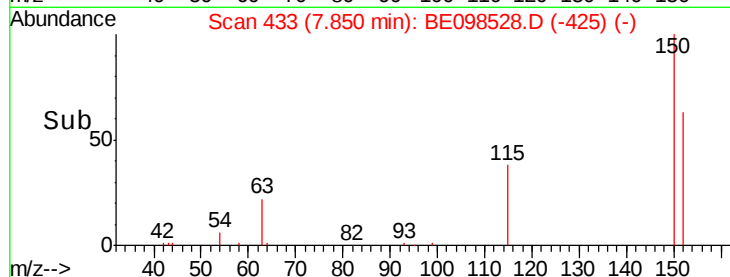
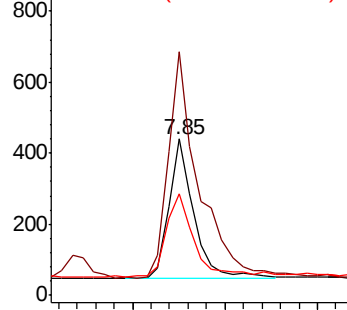
115 65.0 53.9 80.9



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: 0.722 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

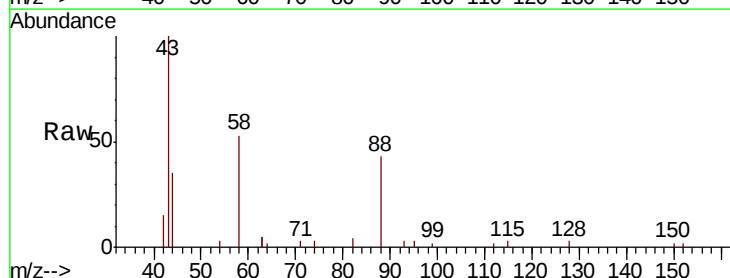
Tgt Ion: 88 Resp: 903

Ion Ratio Lower Upper

88 100

58 90.9 75.0 112.6

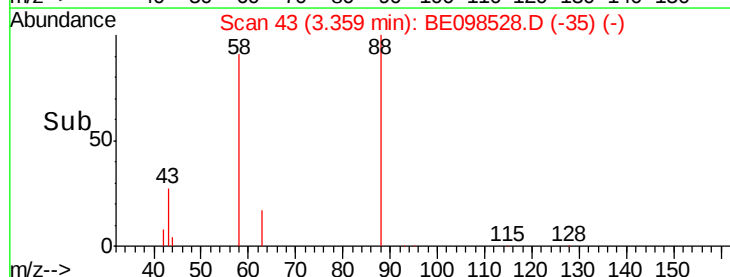
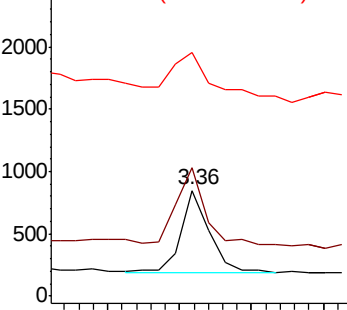
43 66.9 38.3 57.5#



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



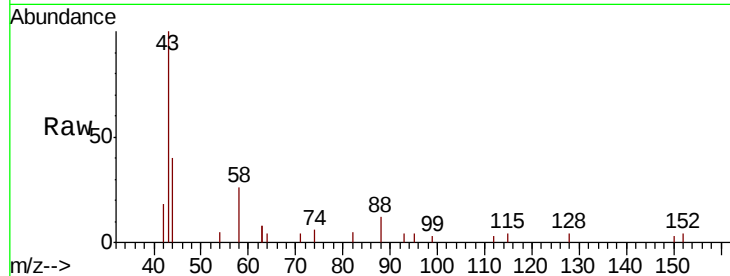


#3

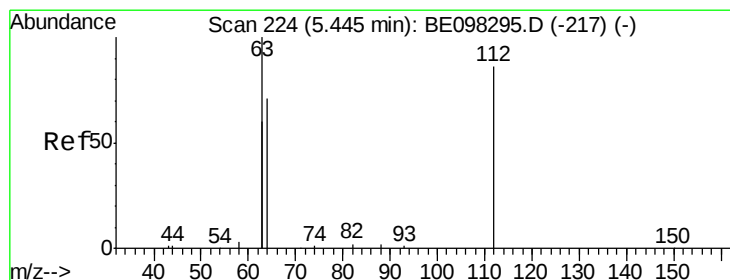
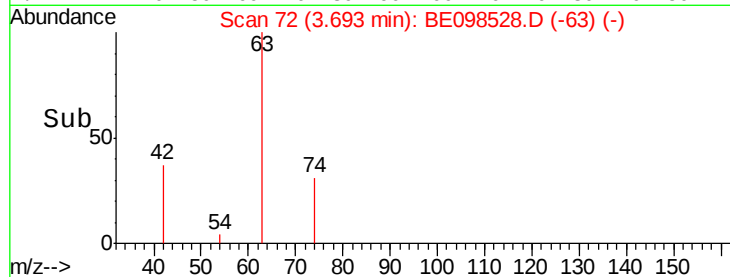
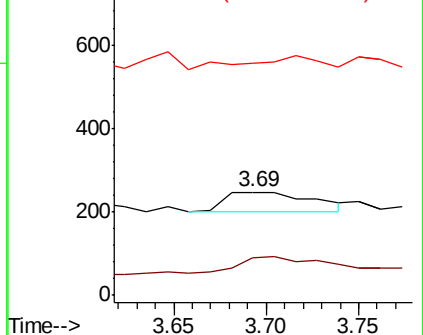
n-Nitrosodimethylamine
 Concen: 0.138 ng
 RT: 3.69 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BE098528.D
 Acq: 19 Dec 2018 14:40

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20181211MS

Tot Ion:	42	Resp:	155
Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	0.0	0.0	0.0



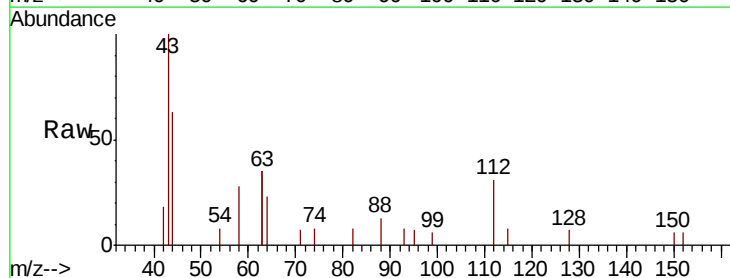
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



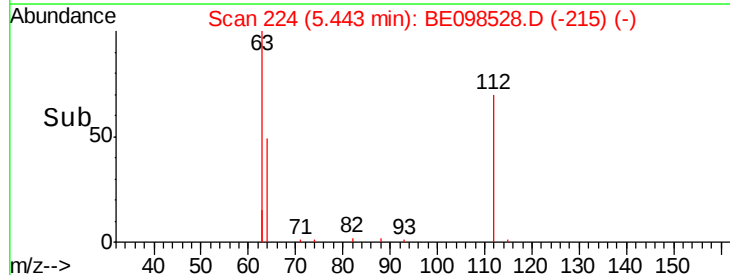
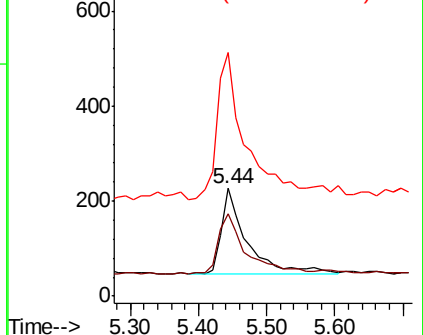
#4

2-Fluorophenol
 Concen: 0.282 ng
 RT: 5.44 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: BE098528.D
 Acq: 19 Dec 2018 14:40

Tgt Ion:	112	Resp:	477
Ion	Ratio	Lower	Upper
112	100		
64	80.3	59.8	89.8
63	192.0	133.7	200.5



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: 0.190 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

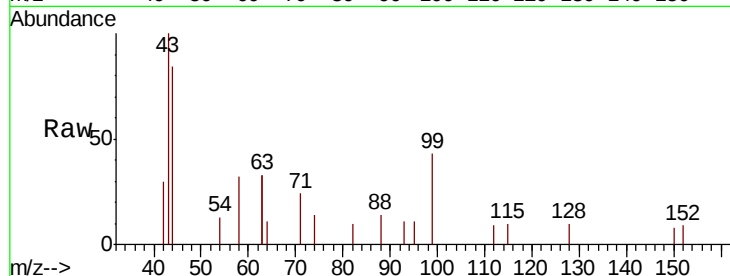
Tot Ion: 99 Resp: 456

Ion Ratio Lower Upper

99 100

42 34.0 26.3 39.5

71 48.2 33.6 50.4



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

7.03

250

200

150

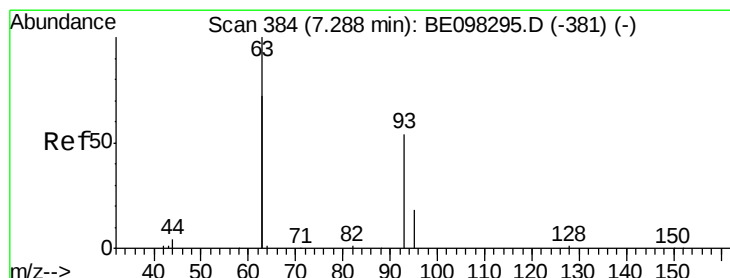
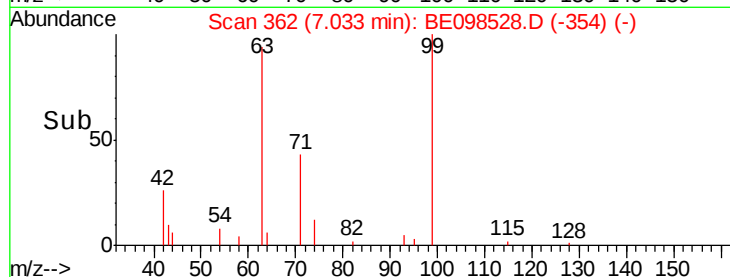
100

50

0

6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.413 ng

RT: 7.27 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

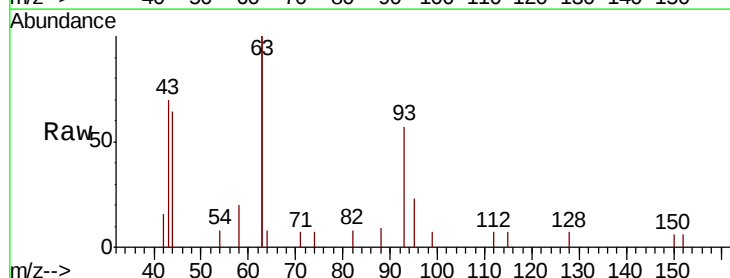
Tgt Ion: 93 Resp: 940

Ion Ratio Lower Upper

93 100

63 322.8 264.4 396.6

95 34.3 26.6 40.0



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

2000

1500

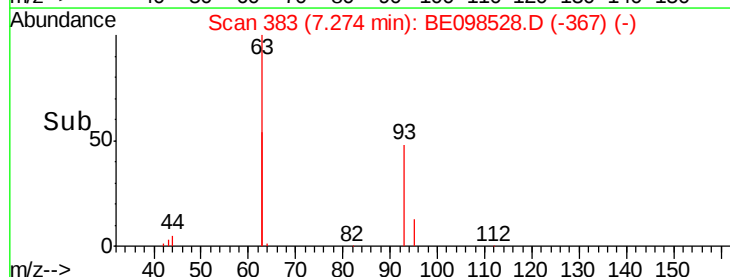
1000

500

0

7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

Tot Ion:136 Resp: 3625

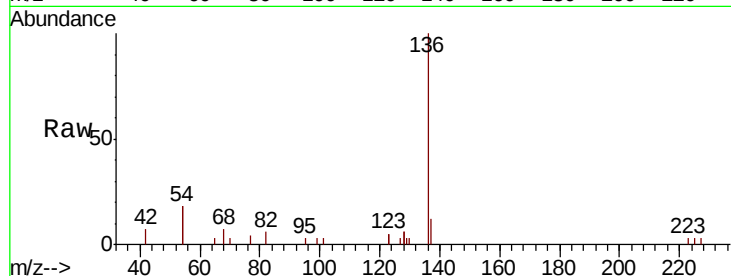
Ion Ratio Lower Upper

136 100

137 12.2 9.2 13.8

54 37.0 28.4 42.6

68 6.6 5.4 8.0

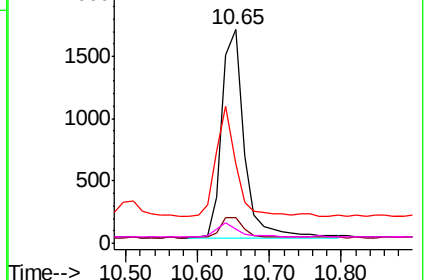
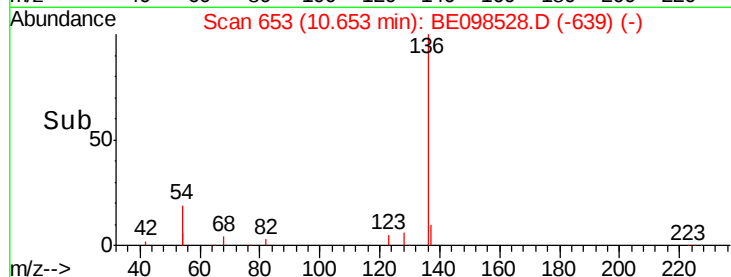


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.418 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

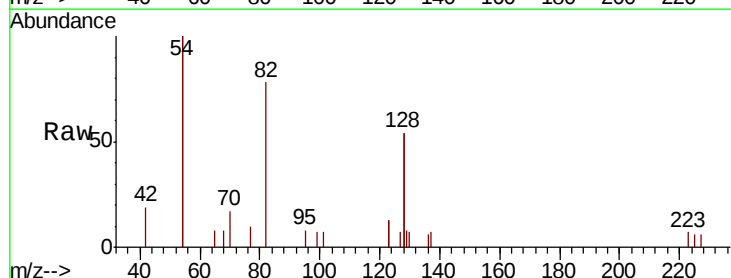
Tgt Ion: 82 Resp: 1380

Ion Ratio Lower Upper

82 100

128 139.6 102.4 153.6

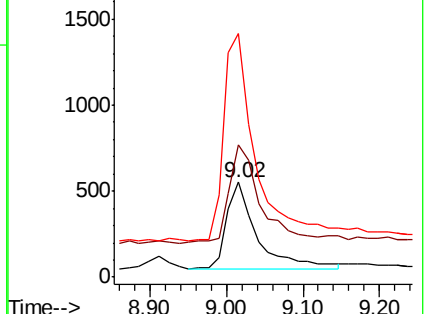
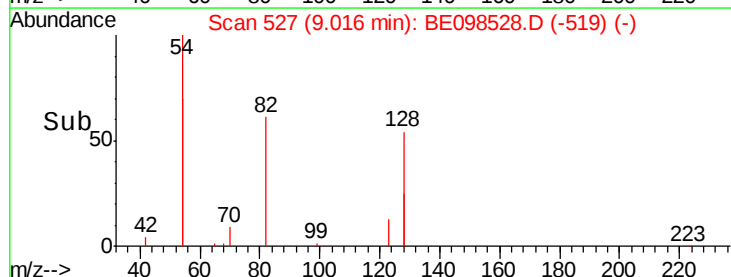
54 257.5 221.8 332.8



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: 0.471 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

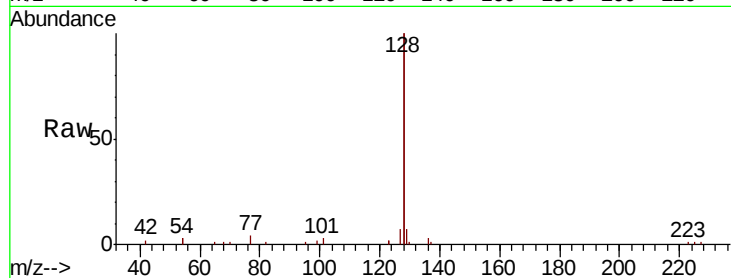
Tot Ion:128 Resp: 17183

Ion Ratio Lower Upper

128 100

129 3.4 2.5 3.7

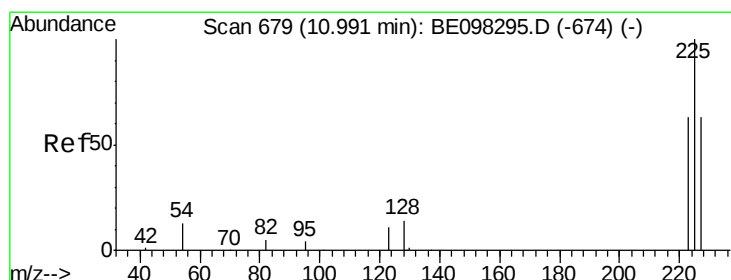
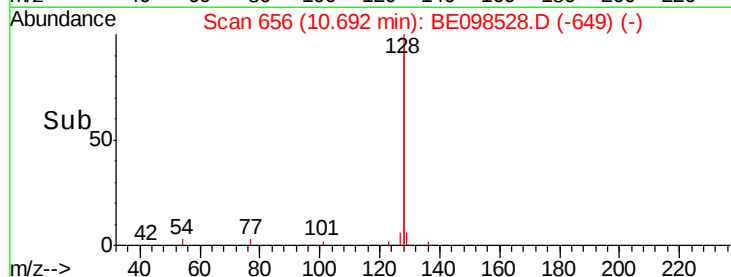
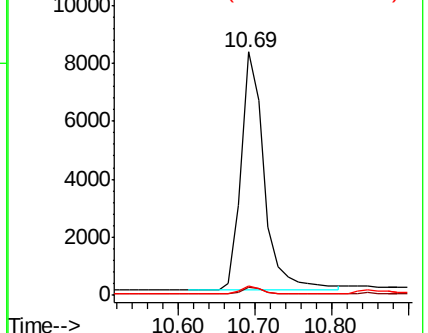
127 3.7 2.7 4.1



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: 0.392 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

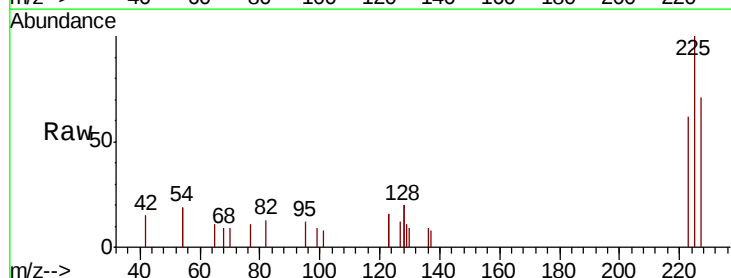
Tgt Ion:225 Resp: 910

Ion Ratio Lower Upper

225 100

223 60.8 49.4 74.0

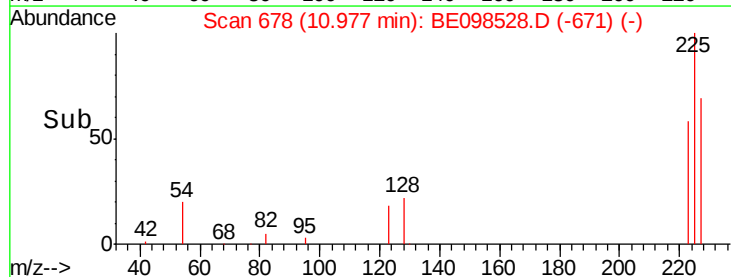
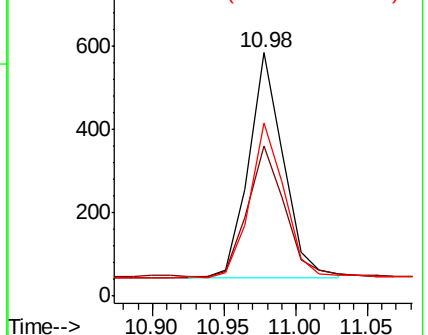
227 68.9 52.0 78.0



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: 0.468 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

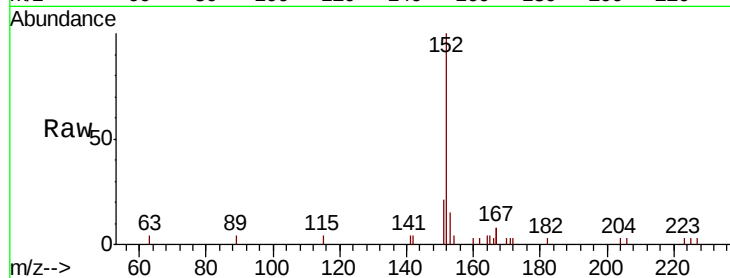
BP-TT-SW4002-20181211MS

Tot Ion:152 Resp: 2756

Ion Ratio Lower Upper

152 100

151 18.3 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.25

1500

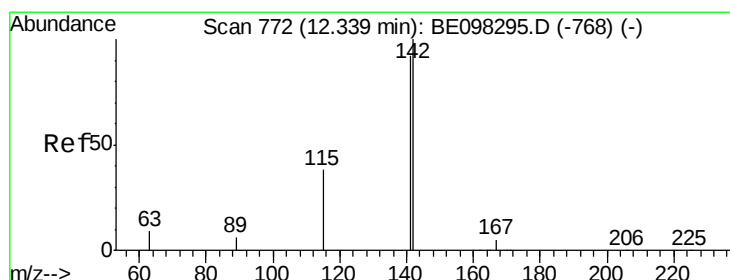
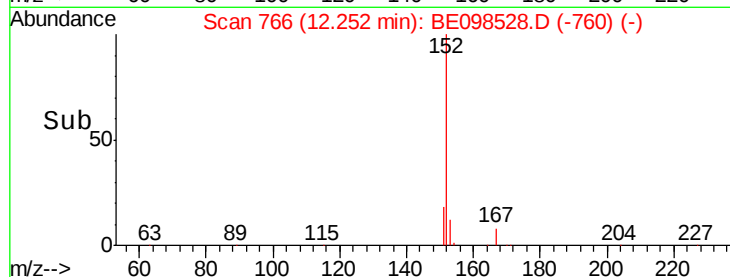
1000

500

0

12.20 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.532 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

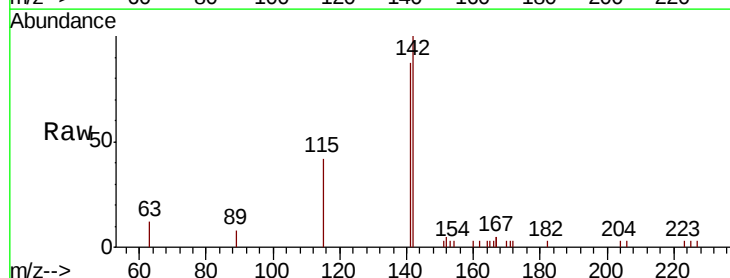
Tgt Ion:142 Resp: 3153

Ion Ratio Lower Upper

142 100

141 87.0 71.0 106.6

115 42.5 32.2 48.2



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

12.32

2000

1500

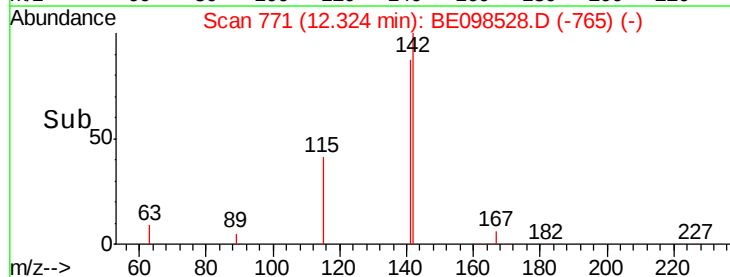
1000

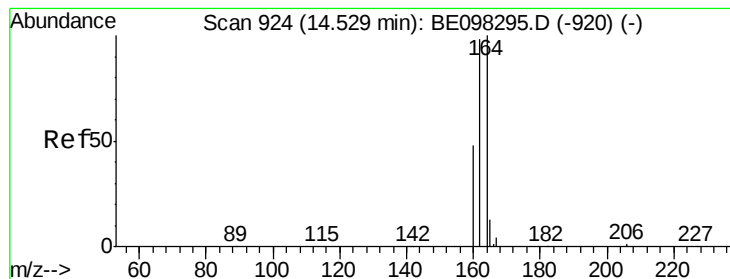
500

0

12.30 12.40

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

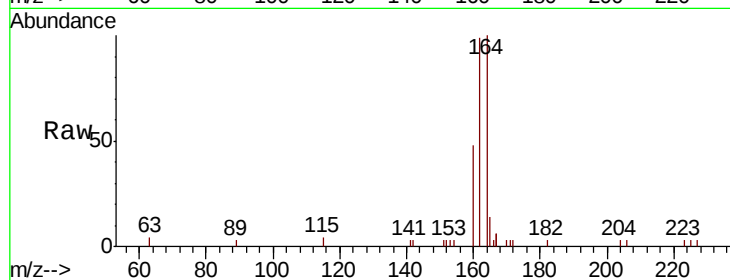
Tot Ion:164 Resp: 2624

Ion Ratio Lower Upper

164 100

162 98.6 77.6 116.4

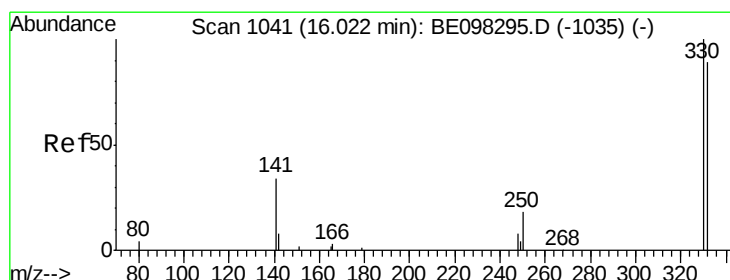
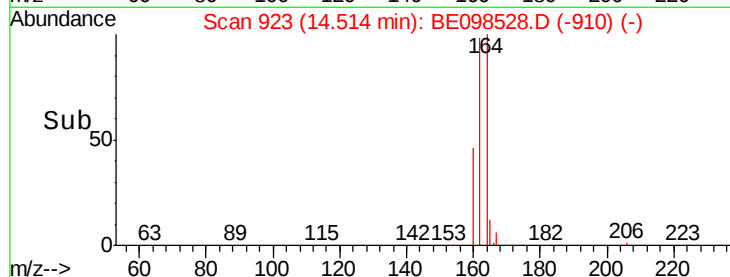
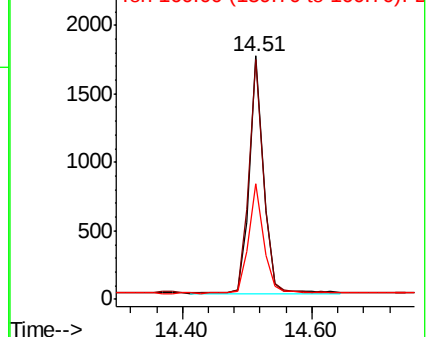
160 47.6 36.0 54.0



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: 0.752 ng

RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

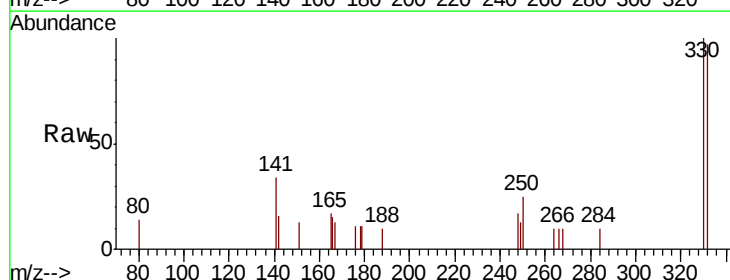
Tgt Ion:330 Resp: 724

Ion Ratio Lower Upper

330 100

332 100.7 76.2 114.4

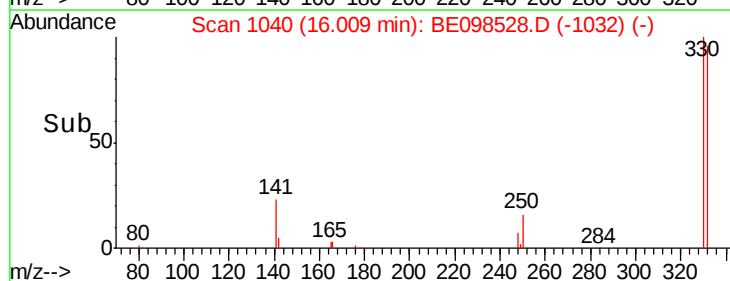
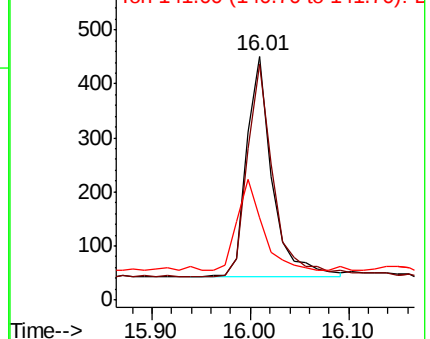
141 42.8 39.0 58.4



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

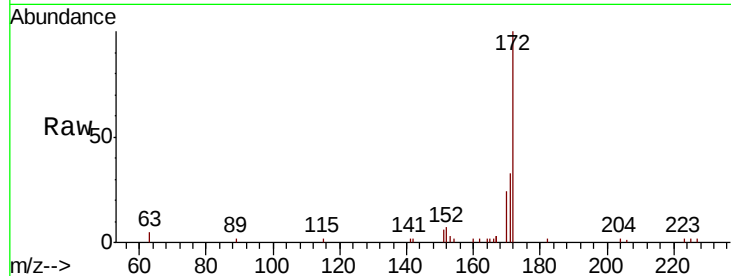




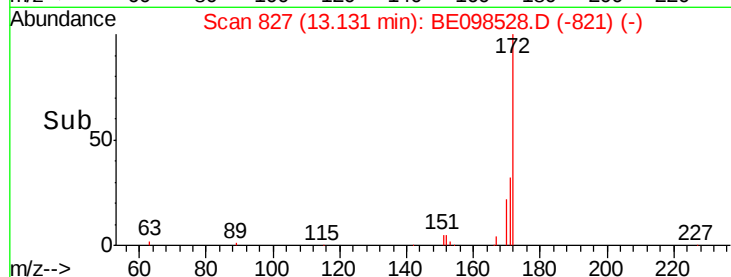
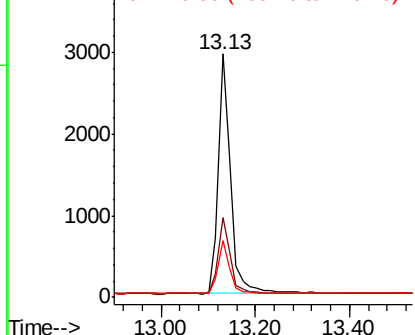
#15
2-Fluorobiphenyl
Concen: 0.486 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.02 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20181211MS

Tot Ion:172 Resp: 5374
Ion Ratio Lower Upper
172 100
171 32.9 27.5 41.3
170 23.5 19.6 29.4

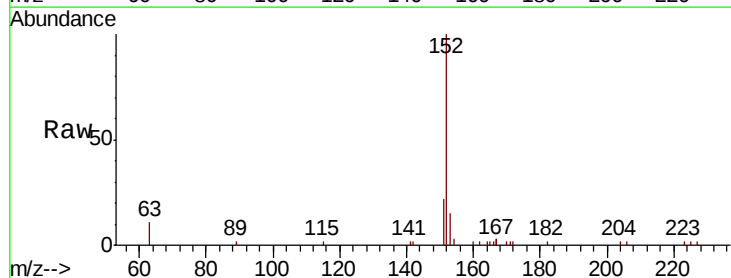


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

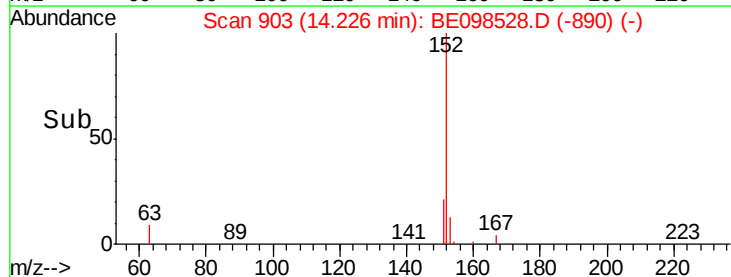
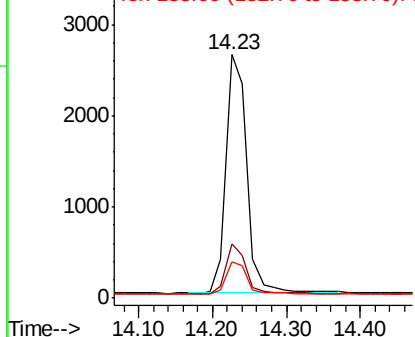


#16
Acenaphthylene
Concen: 0.419 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.02 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Tgt Ion:152 Resp: 5155
Ion Ratio Lower Upper
152 100
151 20.3 15.5 23.3
153 13.4 10.6 16.0



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: 0.431 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

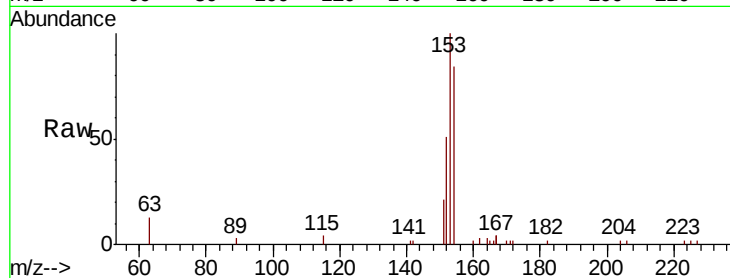
Tot Ion:154 Resp: 3182

Ion Ratio Lower Upper

154 100

153 115.9 91.8 137.6

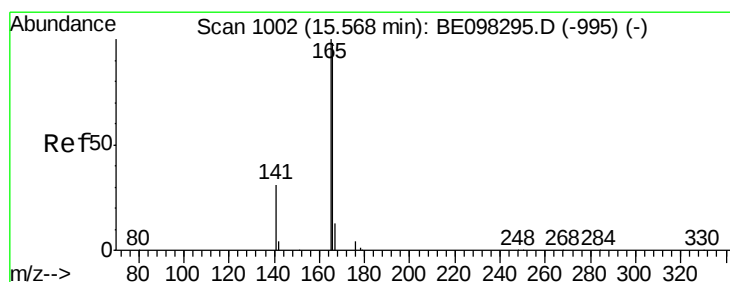
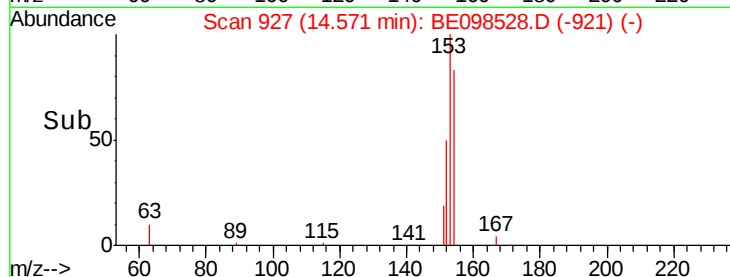
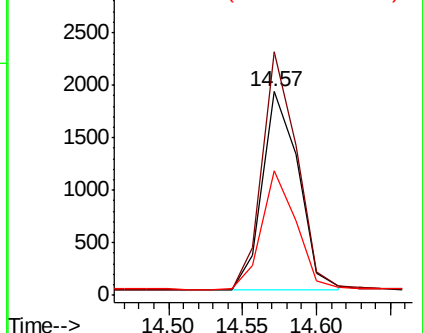
152 58.3 45.5 68.3



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: 0.467 ng

RT: 15.55 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

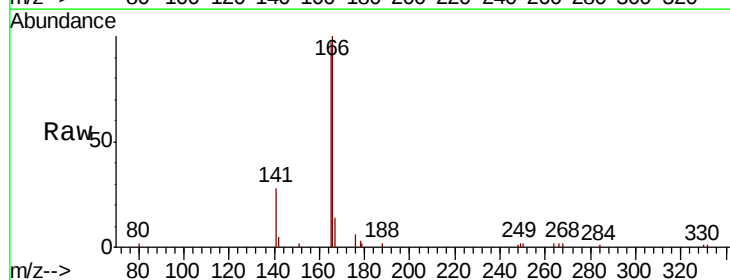
Tgt Ion:166 Resp: 4612

Ion Ratio Lower Upper

166 100

165 99.5 79.3 118.9

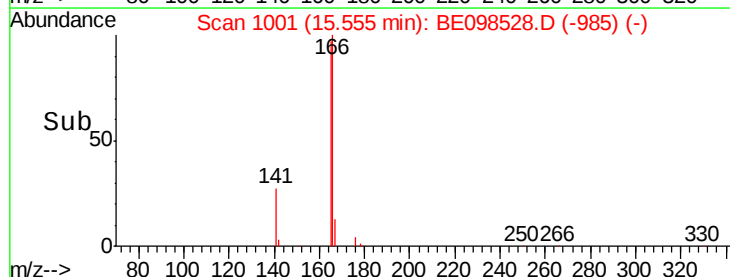
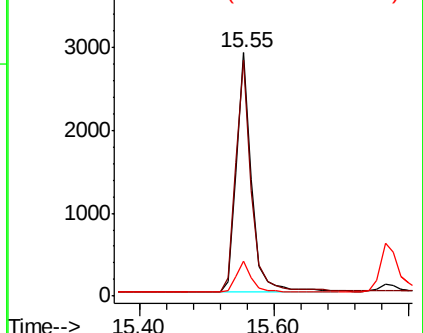
167 13.6 11.3 16.9



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: 17.26 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

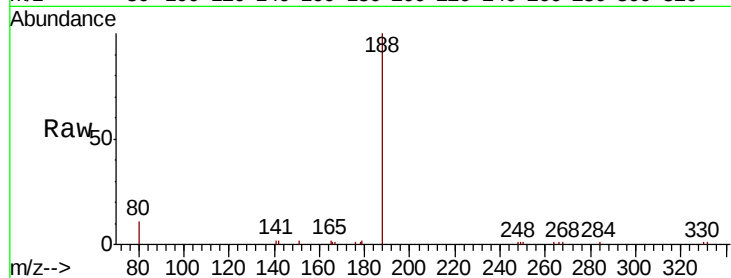
Tot Ion:188 Resp: 6248

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.4 7.2 10.8#



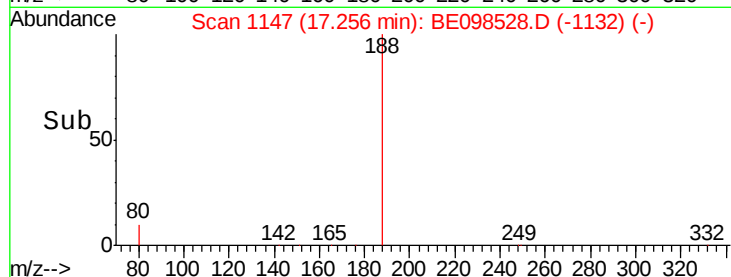
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

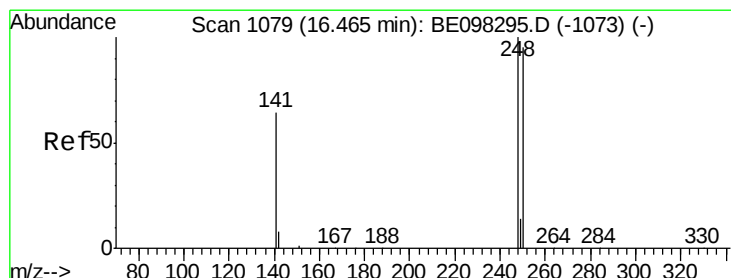
Ion 80.00 (79.70 to 80.70): BE0

17.26

Time-->



Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.467 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

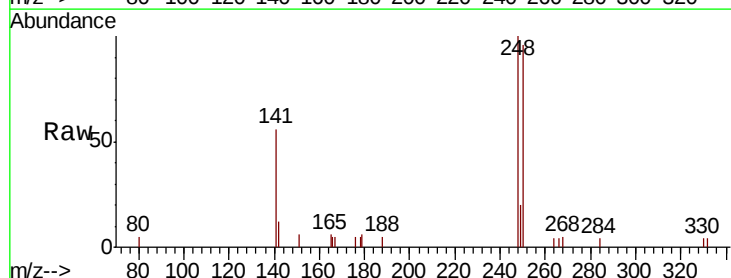
Tgt Ion:248 Resp: 1572

Ion Ratio Lower Upper

248 100

250 96.3 71.0 106.6

141 56.3 62.1 93.1#



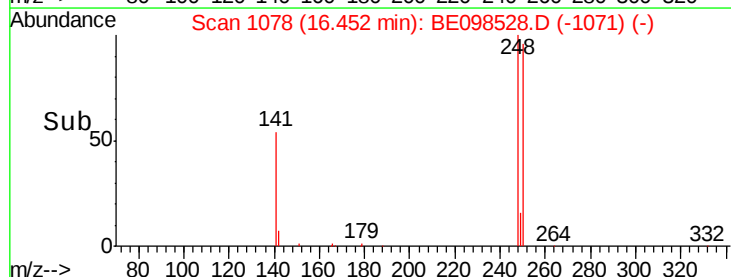
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.45

Time-->



Time-->



#21

Hexachlorobenzene

Concen: 0.473 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

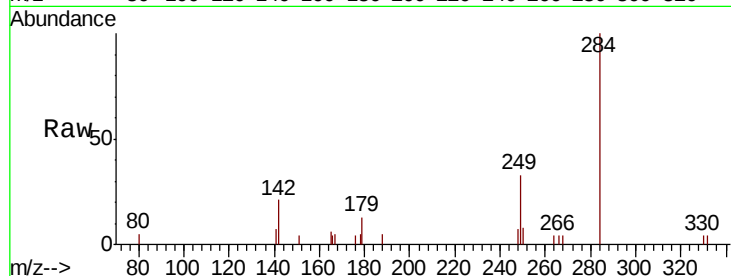
Tot Ion:284 Resp: 1709

Ion Ratio Lower Upper

284 100

142 33.8 26.3 39.5

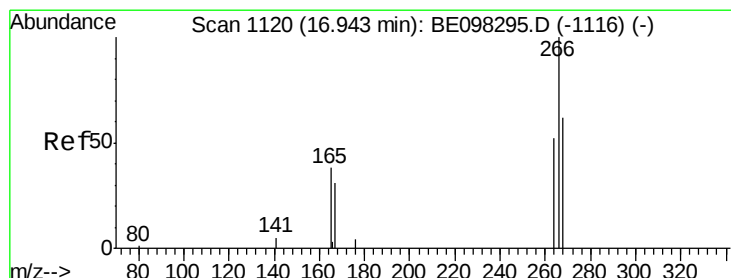
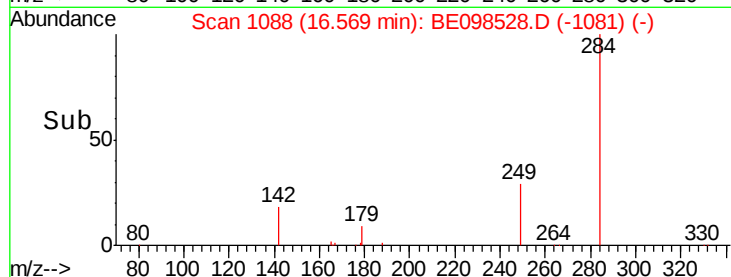
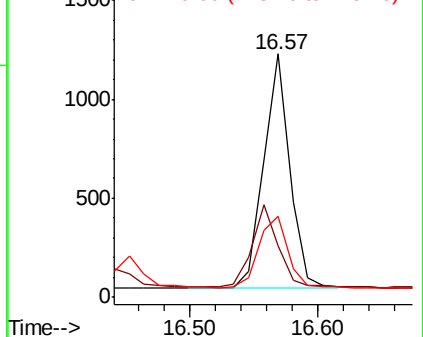
249 33.1 26.0 39.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.131 ng

RT: 16.92 min Scan# 1118

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

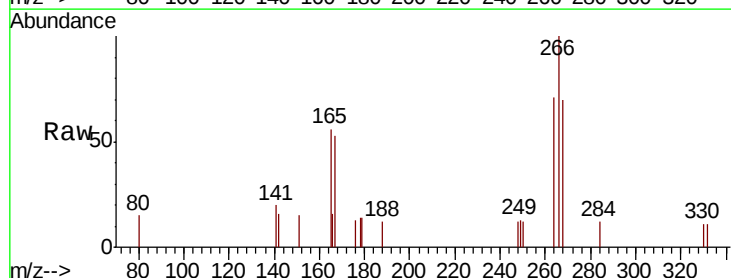
Tgt Ion:266 Resp: 818

Ion Ratio Lower Upper

266 100

264 70.9 59.0 88.4

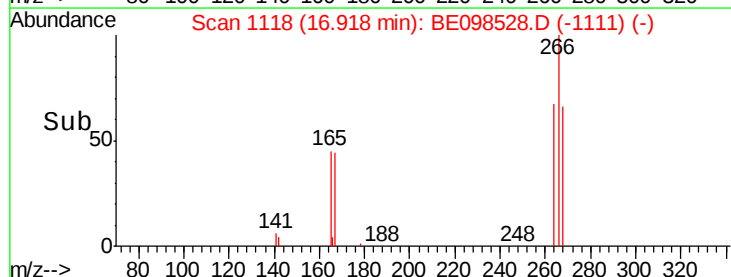
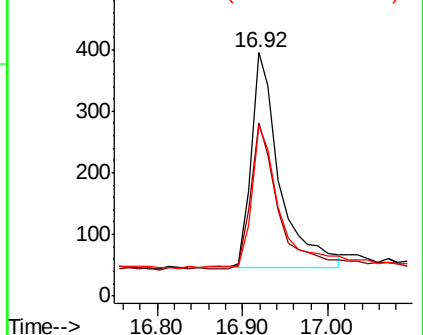
268 70.1 55.1 82.7



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: 0.509 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

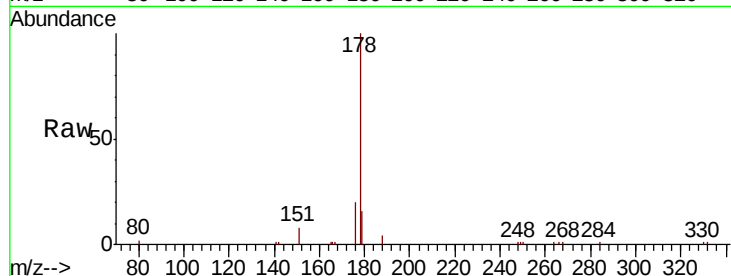
Tot Ion:178 Resp: 7723

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

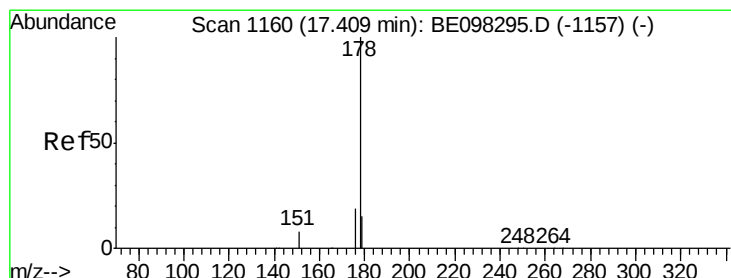
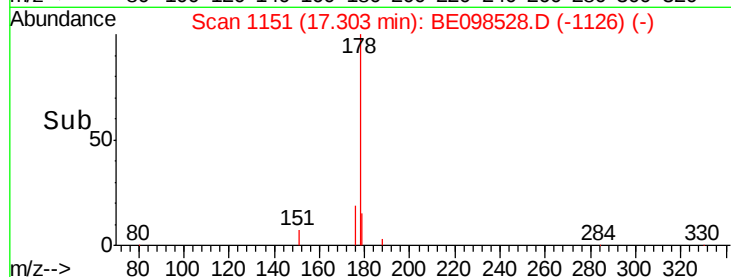
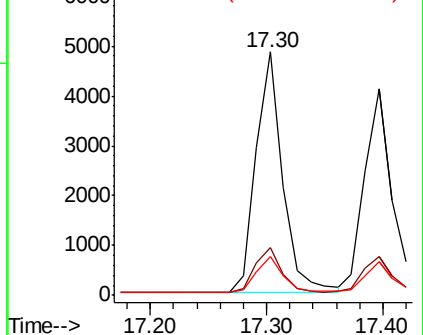
179 15.0 12.3 18.5



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: 0.486 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

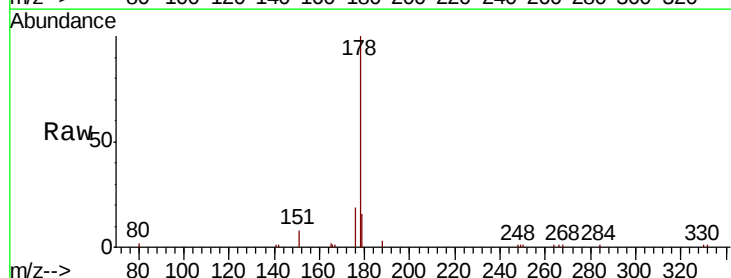
Tgt Ion:178 Resp: 6574

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

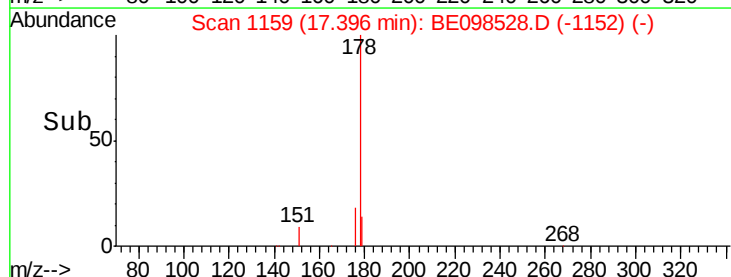
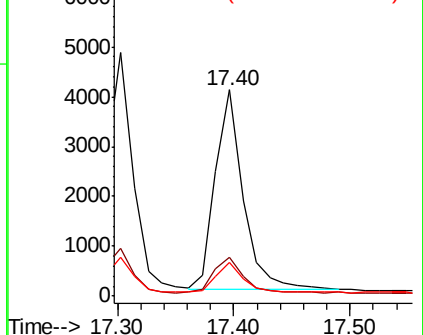
179 15.0 12.3 18.5



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

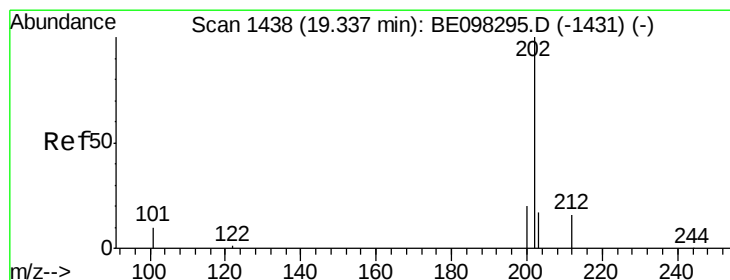
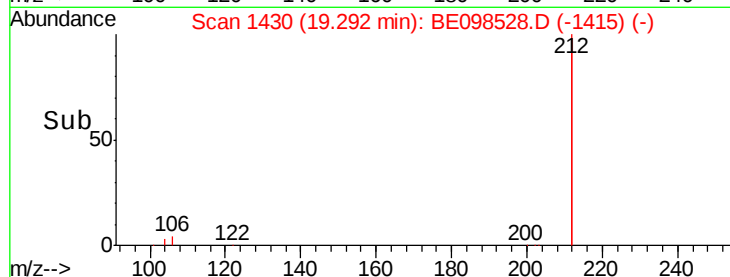
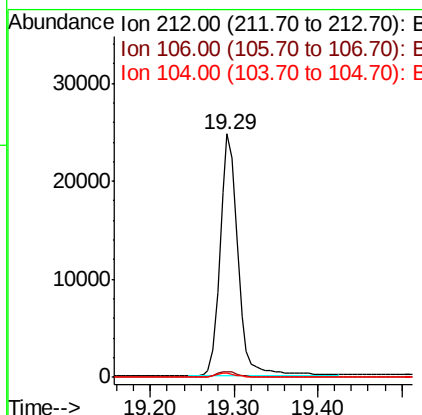
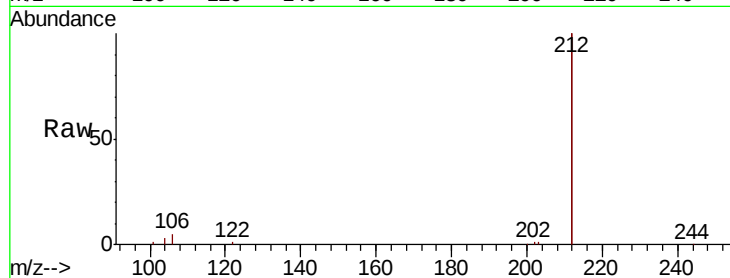




#25
 Fluoranthene-d10
 Concen: 0.455 ng
 RT: 19.29 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BE098528.D
 Acq: 19 Dec 2018 14:40

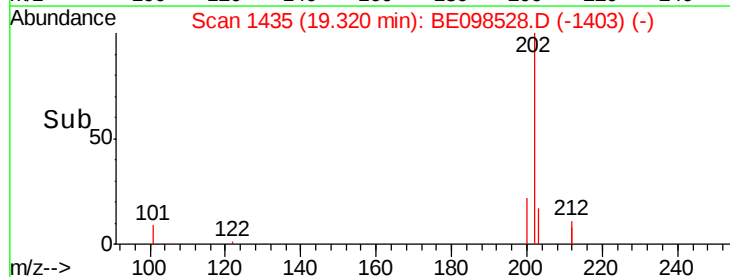
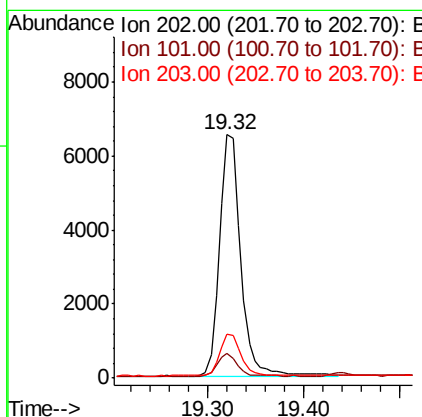
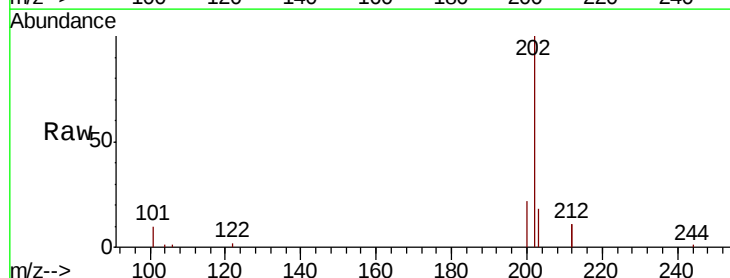
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20181211MS

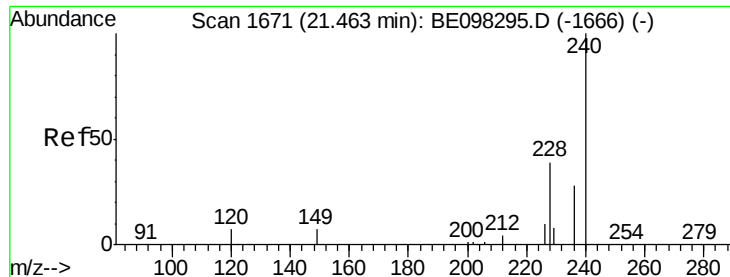
Tot Ion:212 Resp: 36484
 Ion Ratio Lower Upper
 212 100
 106 2.4 2.2 3.2
 104 1.4 1.3 1.9



#26
 Fluoranthene
 Concen: 0.500 ng
 RT: 19.32 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BE098528.D
 Acq: 19 Dec 2018 14:40

Tgt Ion:202 Resp: 10034
 Ion Ratio Lower Upper
 202 100
 101 9.0 8.0 12.0
 203 17.0 13.8 20.6

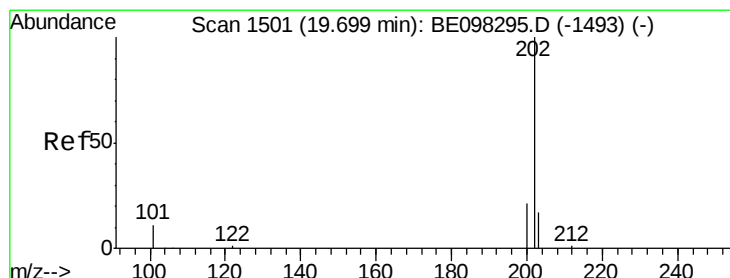
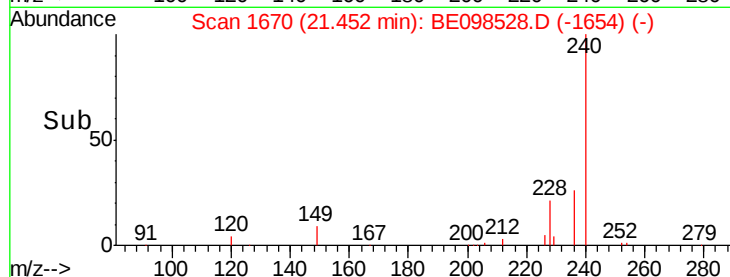
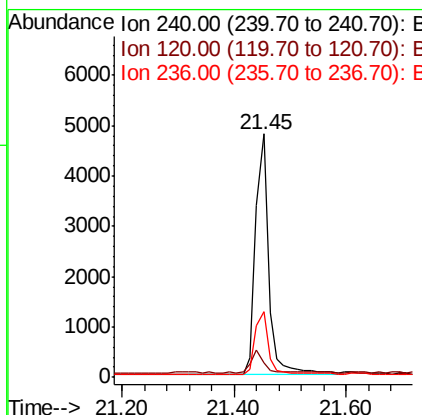
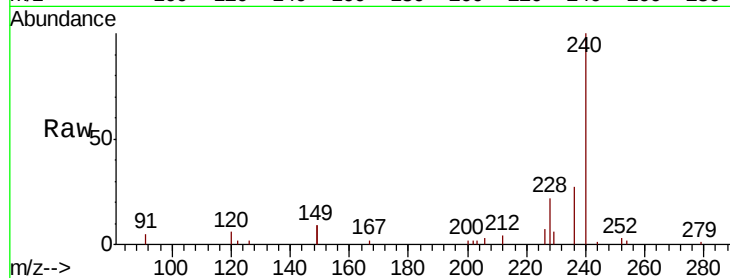




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

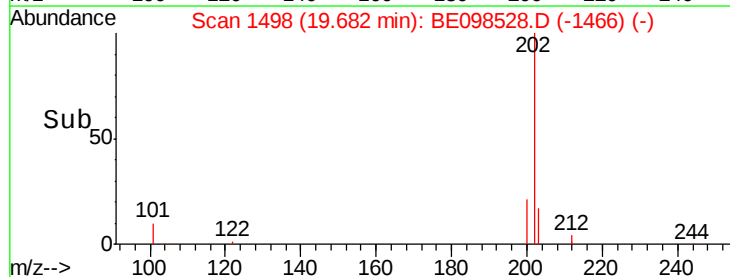
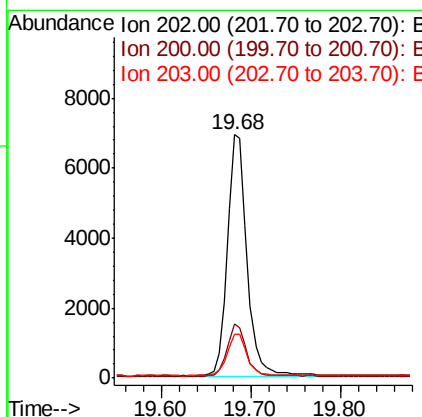
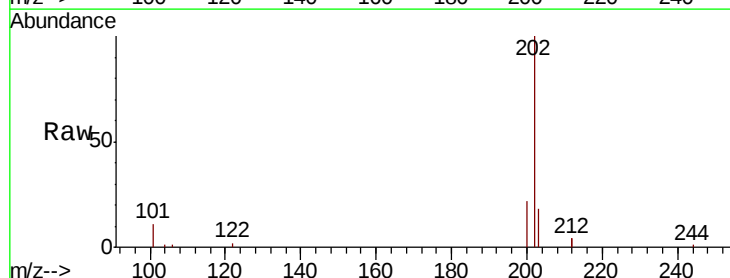
Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20181211MS

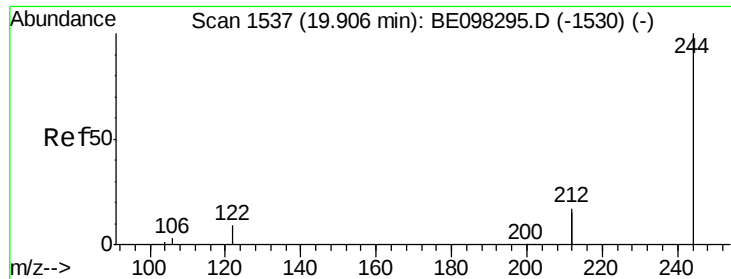
Tot Ion:240 Resp: 7894
Ion Ratio Lower Upper
240 100
120 5.8 9.5 14.3#
236 26.8 22.7 34.1



#28
Pyrene
Concen: 0.419 ng
RT: 19.68 min Scan# 1498
Delta R.T. -0.02 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Tgt Ion:202 Resp: 10376
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 18.1 14.1 21.1





#29

Terphenyl-d14

Concen: 0.455 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

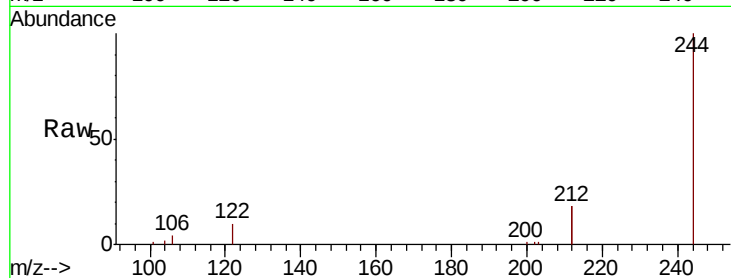
Tot Ion:244 Resp: 8720

Ion Ratio Lower Upper

244 100

212 35.6 27.4 41.0

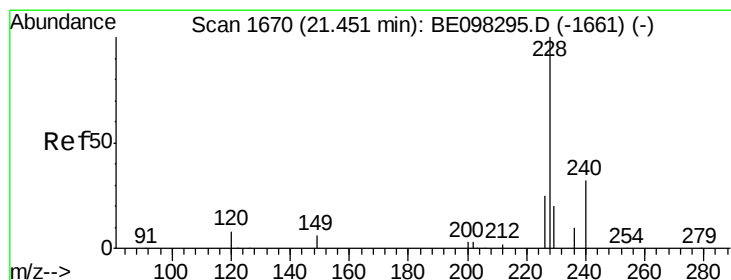
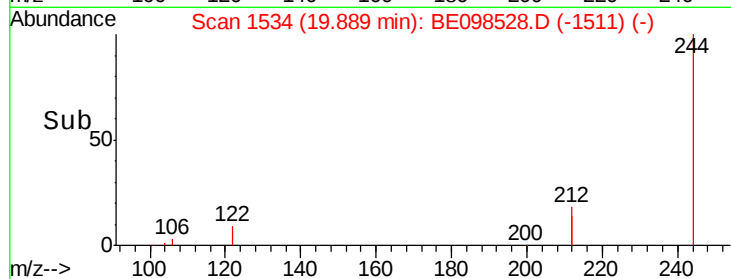
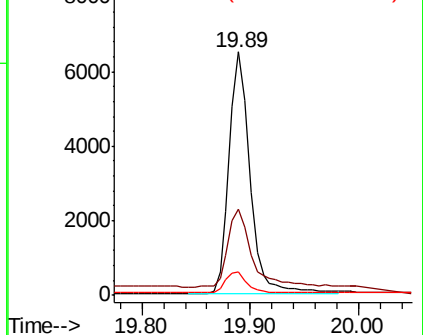
122 9.7 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.485 ng

RT: 21.43 min Scan# 1668

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

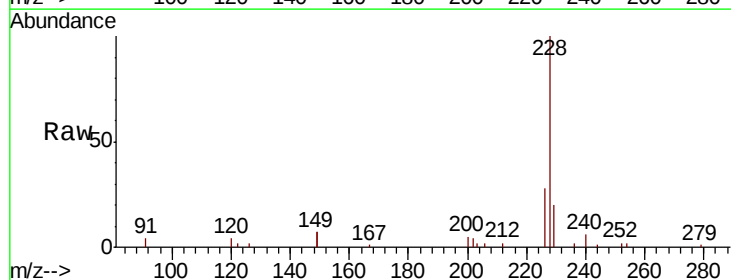
Tgt Ion:228 Resp: 10892

Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.8

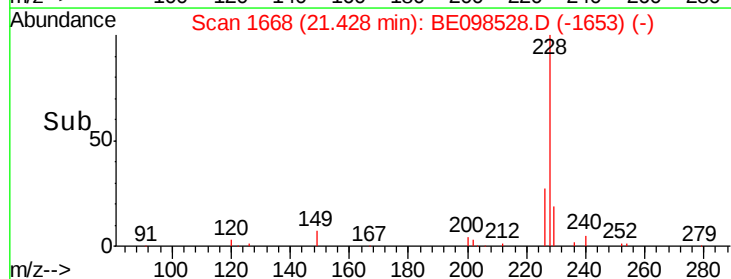
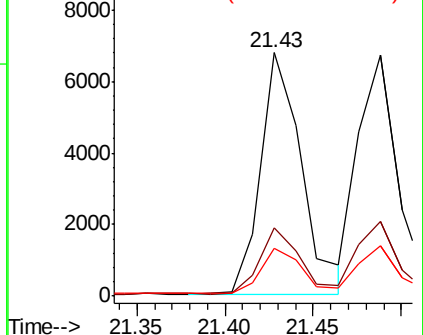
229 19.8 16.3 24.5



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: 0.439 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

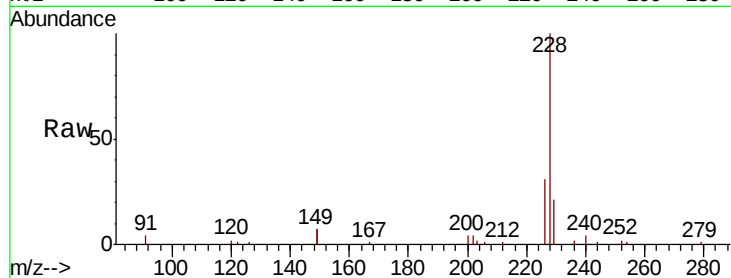
Tot Ion:228 Resp: 10328

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

229 20.8 16.2 24.4

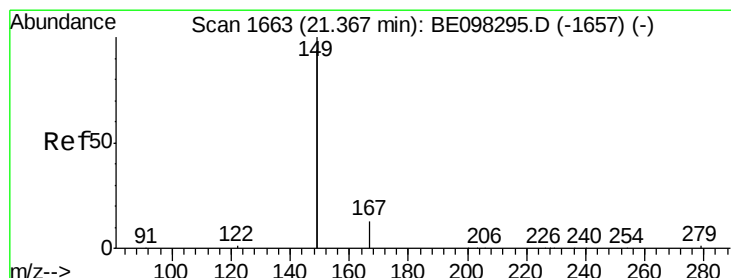
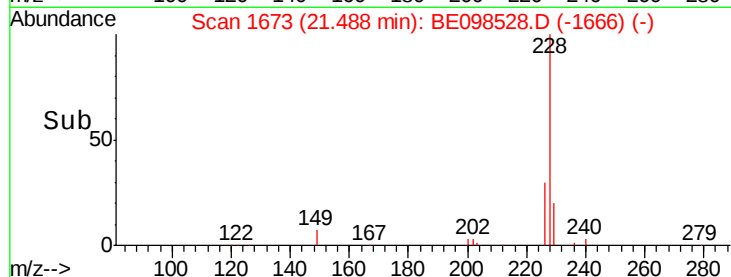
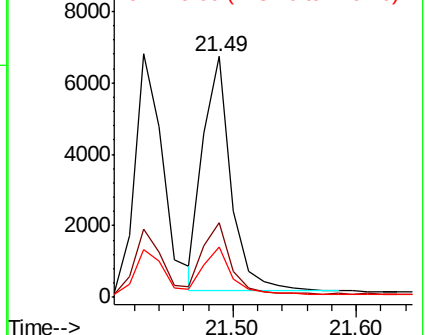


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.498 ng

RT: 21.36 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

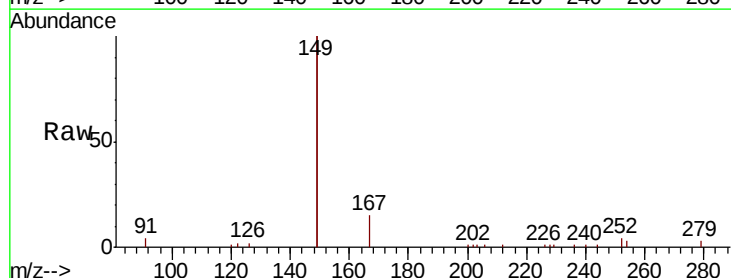
Tgt Ion:149 Resp: 22716

Ion Ratio Lower Upper

149 100

167 6.6 5.7 8.5

279 1.2 1.0 1.4

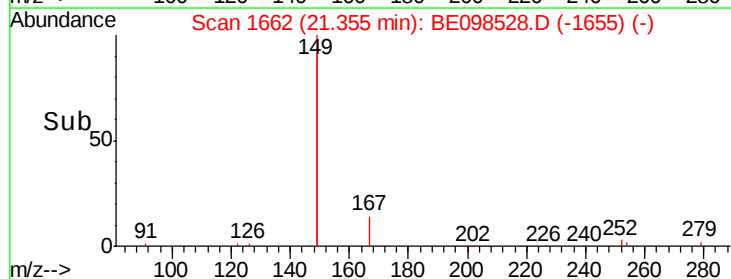
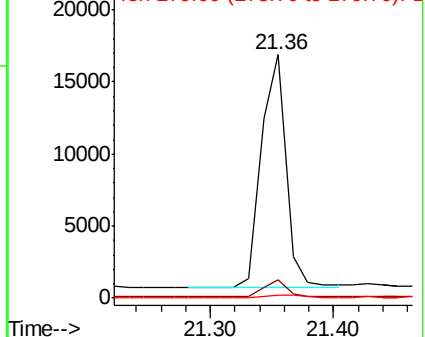


Abundance

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

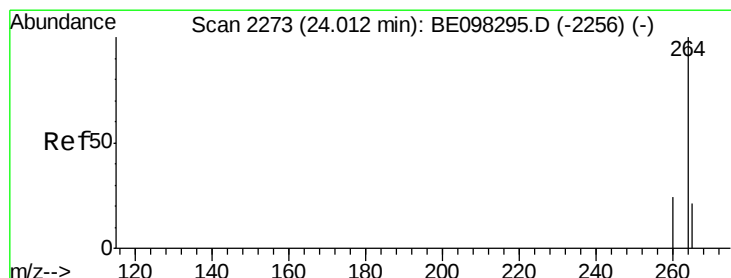
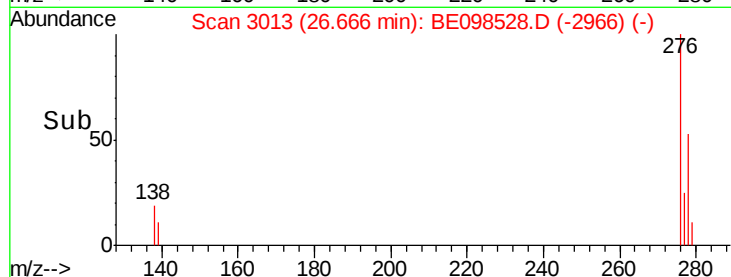
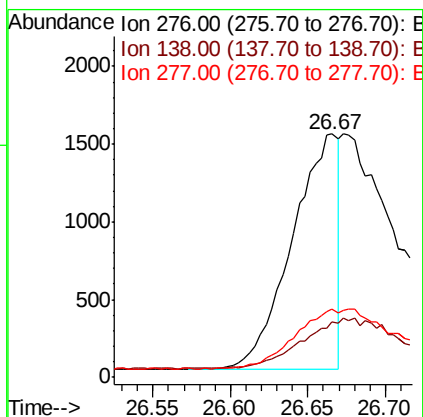
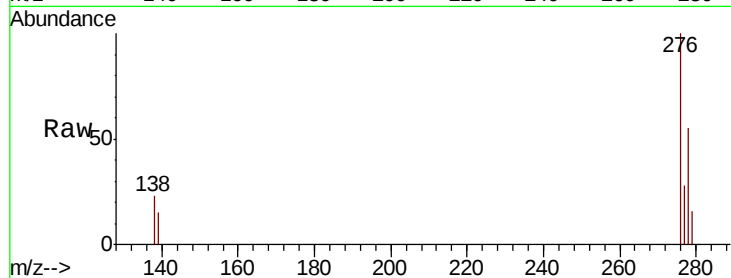




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.135 ng
 RT: 26.67 min Scan# 3013
 Delta R.T. -0.03 min
 Lab File: BE098528.D
 Acq: 19 Dec 2018 14:40

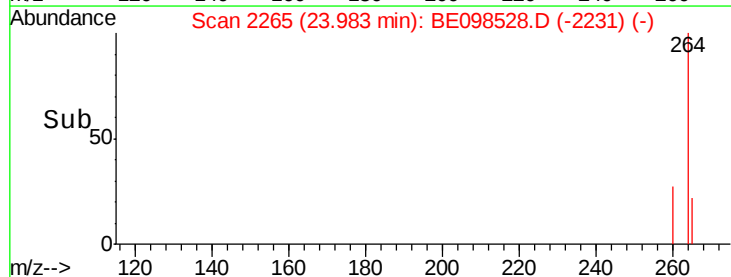
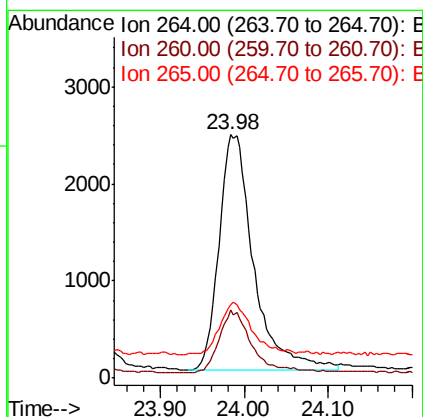
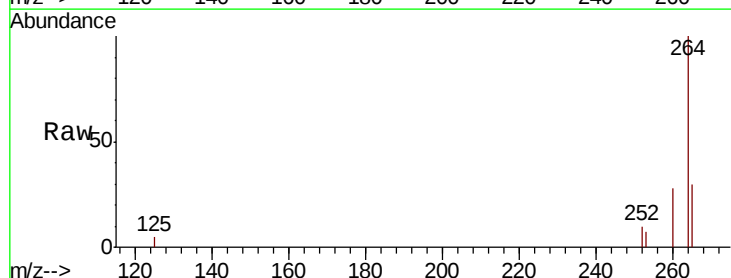
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20181211MS

Tot Ion:276 Resp: 3156
 Ion Ratio Lower Upper
 276 100
 138 48.0 16.3 24.5#
 277 24.6 20.2 30.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.98 min Scan# 2265
 Delta R.T. -0.03 min
 Lab File: BE098528.D
 Acq: 19 Dec 2018 14:40

Tgt Ion:264 Resp: 6965
 Ion Ratio Lower Upper
 264 100
 260 28.1 20.2 30.2
 265 30.3 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.586 ng

RT: 23.26 min Scan# 2061

Delta R.T. 0.03 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

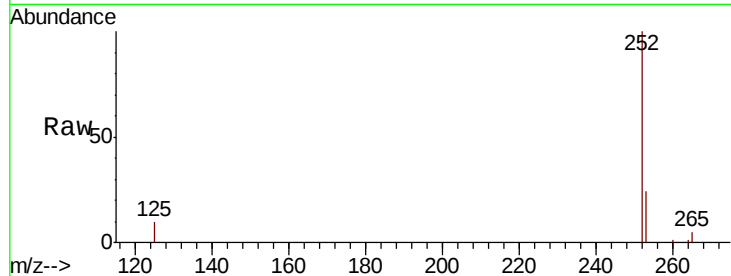
Tot Ion:252 Resp: 11158

Ion Ratio Lower Upper

252 100

253 24.1 20.0 30.0

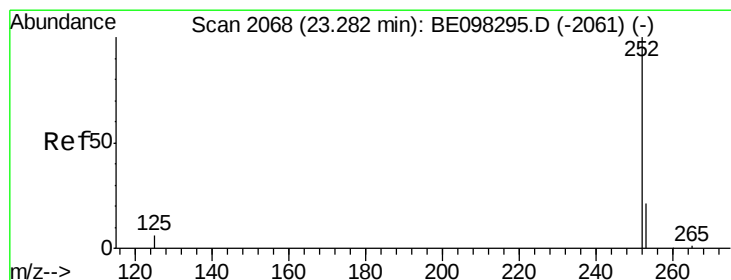
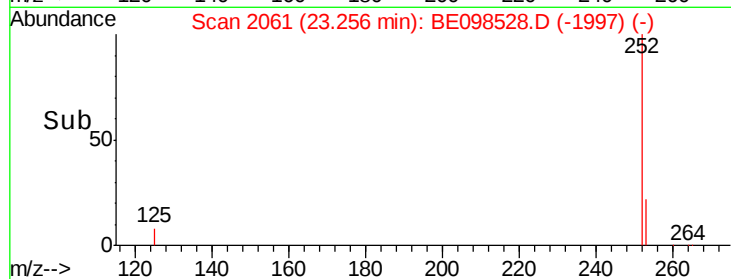
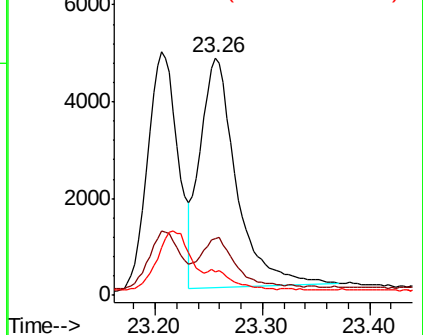
125 9.9 9.6 14.4



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: 0.503 ng

RT: 23.26 min Scan# 2061

Delta R.T. -0.03 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

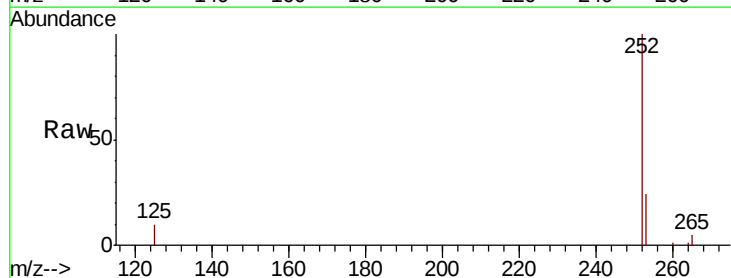
Tgt Ion:252 Resp: 11158

Ion Ratio Lower Upper

252 100

253 24.1 19.0 28.6

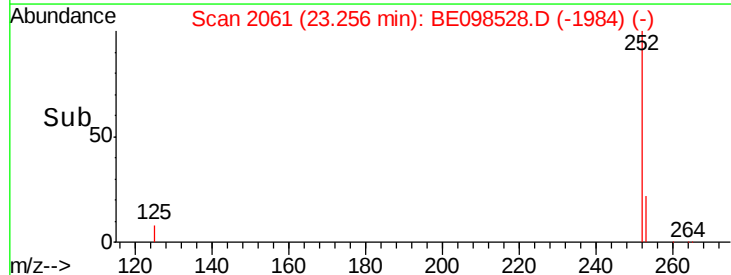
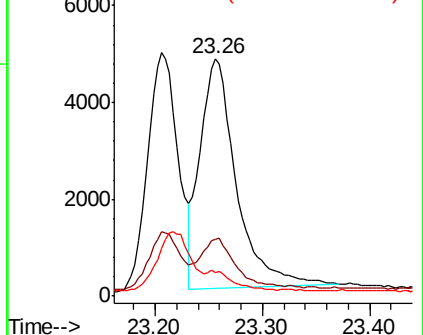
125 9.9 9.1 13.7



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: 0.517 ng

RT: 23.87 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS

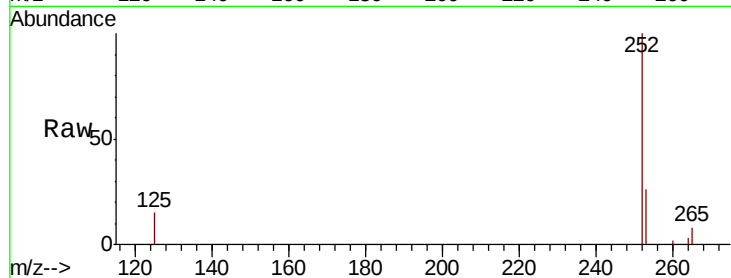
Tot Ion:252 Resp: 10155

Ion Ratio Lower Upper

252 100

253 25.7 20.6 30.8

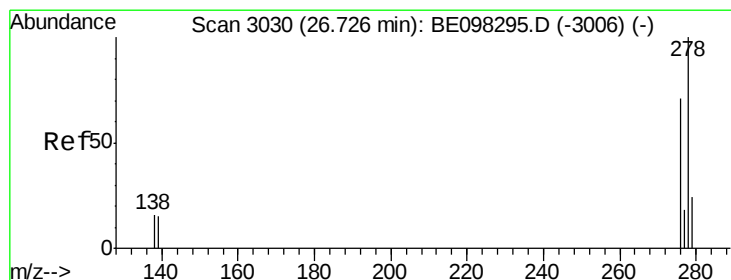
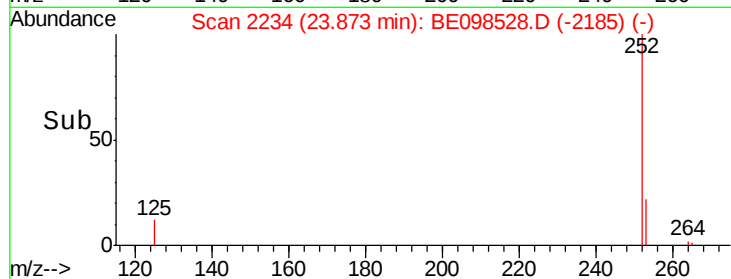
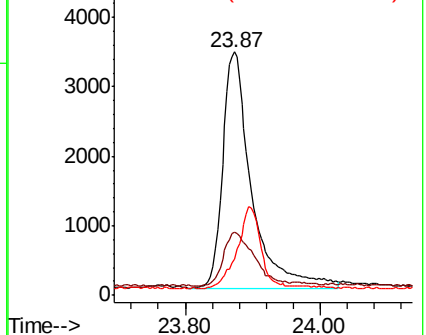
125 14.8 10.5 15.7



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: 0.380 ng

RT: 26.69 min Scan# 3021

Delta R.T. -0.03 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

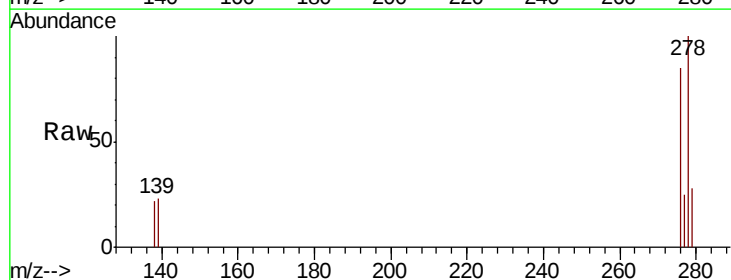
Tgt Ion:278 Resp: 7028

Ion Ratio Lower Upper

278 100

139 22.9 14.5 21.7#

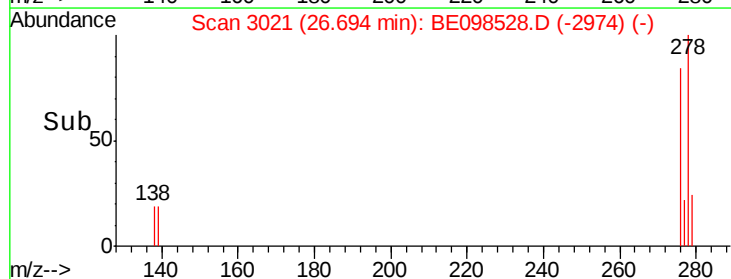
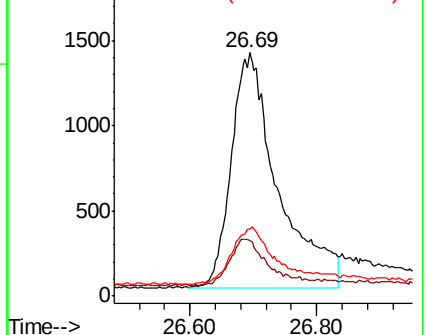
279 27.6 21.8 32.8



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: 0.372 ng

RT: 27.49 min Scan# 3243

Delta R.T. -0.04 min

Lab File: BE098528.D

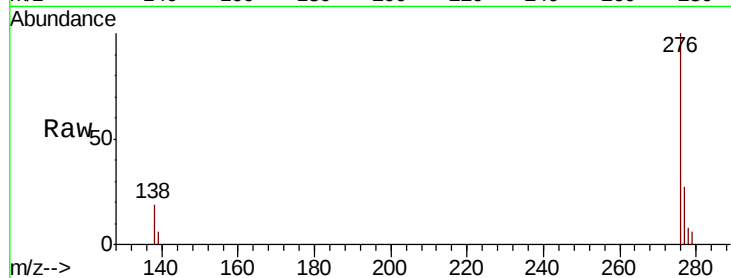
Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MS



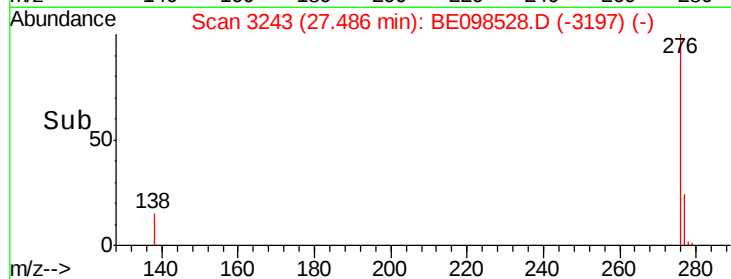
Tot Ion: 276 Resp: 6945

Ion Ratio Lower Upper

276 100

277 26.7 20.8 31.2

138 18.9 15.8 23.6



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

