

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
 Data File : BE098601.D
 Acq On : 2 Jan 2019 10:23
 Operator : SJ/JU
 Sample : PB116071BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB116071BS

Quant Time: Jan 02 11:01:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 02 10:30:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1011	0.40	ng	0.01
7) Naphthalene-d8	10.61	136	3953	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	2125	0.40	ng	0.02
19) Phenanthrene-d10	17.23	188	4643	0.40	ng	0.01
27) Chrysene-d12	21.41	240	5780	0.40	ng	0.01
34) Perylene-d12	23.93	264	6223	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	1138	0.48	ng	0.03
5) Phenol-d6	7.00	99	1543	0.46	ng	0.01
8) Nitrobenzene-d5	8.98	82	1464	0.41	ng	0.02
11) 2-Methylnaphthalene-d10	12.21	152	2795	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	333	0.43	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	3480	0.39	ng	0.02
25) Fluoranthene-d10	19.26	212	24068	0.40	ng	0.01
29) Terphenyl-d14	19.86	244	5029	0.36	ng	0.01

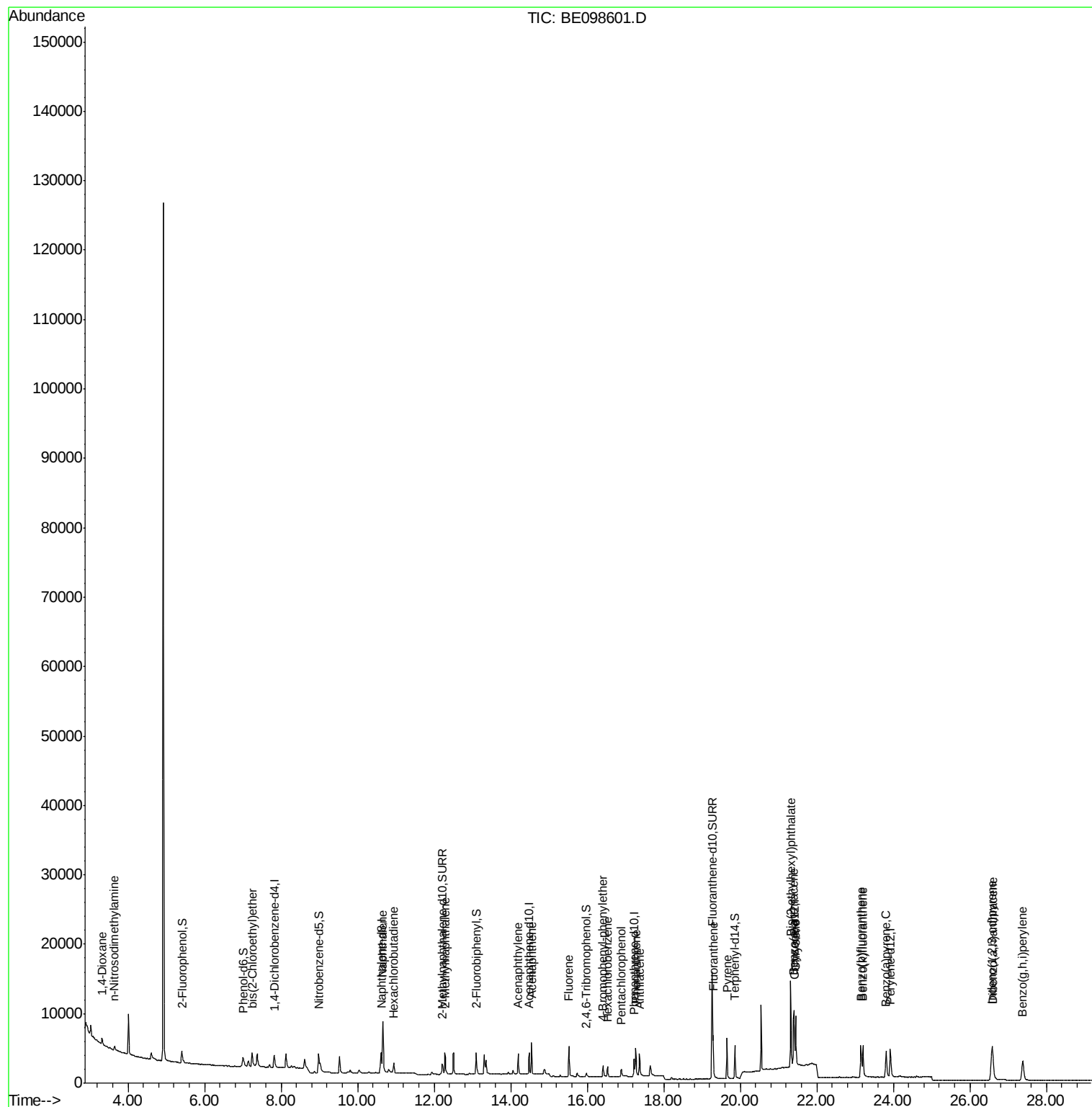
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	500	0.286	ng	# 31
3) n-Nitrosodimethylamine	3.64	42	718	0.456	ng	# 100
6) bis(2-Chloroethyl)ether	7.24	93	1042	0.327	ng	98
9) Naphthalene	10.65	128	15185	0.382	ng	# 99
10) Hexachlorobutadiene	10.94	225	994	0.392	ng	99
12) 2-Methylnaphthalene	12.28	142	2481	0.384	ng	# 90
16) Acenaphthylene	14.20	152	3581	0.360	ng	99
17) Acenaphthene	14.54	154	2207	0.369	ng	100
18) Fluorene	15.52	166	2870	0.359	ng	96
20) 4-Bromophenyl-phenylether	16.42	248	931	0.373	ng	96
21) Hexachlorobenzene	16.53	284	1045	0.389	ng	93
22) Pentachlorophenol	16.90	266	723	1.293	ng	96
23) Phenanthrene	17.27	178	4457	0.395	ng	99
24) Anthracene	17.36	178	3841	0.382	ng	99
26) Fluoranthene	19.29	202	5575	0.373	ng	99
28) Pyrene	19.65	202	5707	0.315	ng	99
30) Benzo(a)anthracene	21.39	228	6585	0.400	ng	98
31) Chrysene	21.45	228	6450	0.374	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	12976	0.388	ng	99
33) Indeno(1,2,3-cd)pyrene	26.57	276	8296	0.484	ng	# 88
35) Benzo(b)fluoranthene	23.15	252	6845	0.402	ng	98
36) Benzo(k)fluoranthene	23.20	252	7609	0.384	ng	97
37) Benzo(a)pyrene	23.81	252	7089	0.404	ng	98
38) Dibenzo(a,h)anthracene	26.60	278	6642	0.402	ng	98
39) Benzo(g,h,i)perylene	27.39	276	7162	0.430	ng	97

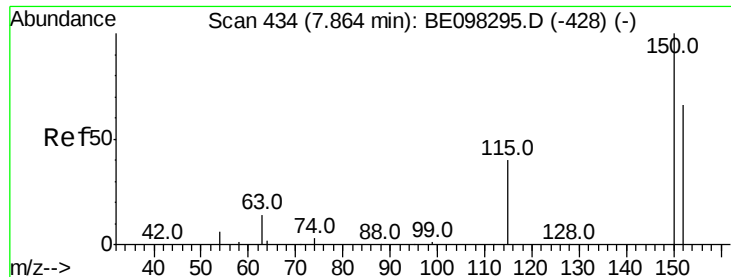
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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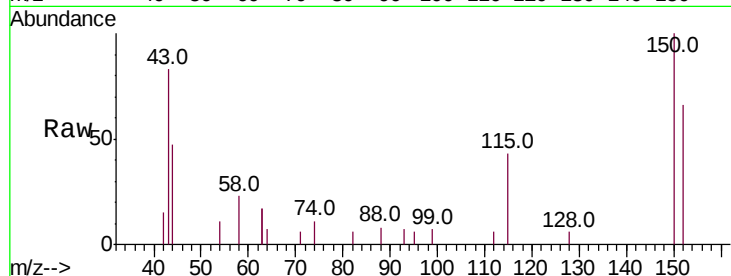


#1

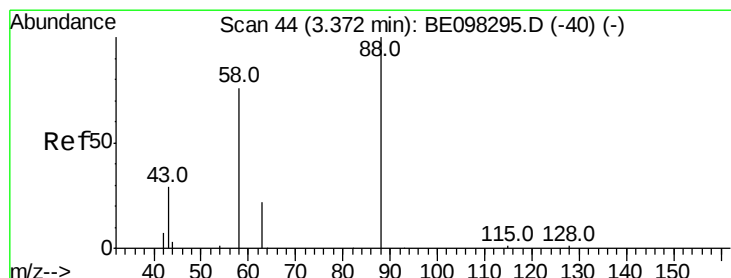
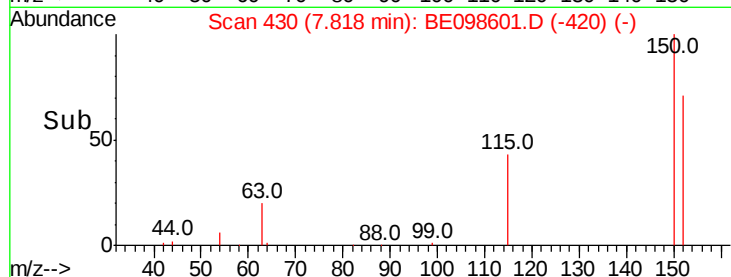
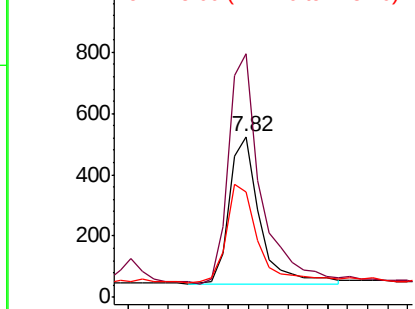
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tot Ion:152 Resp: 1011
Ion Ratio Lower Upper
152 100
150 151.4 124.2 186.4
115 65.3 53.9 80.9



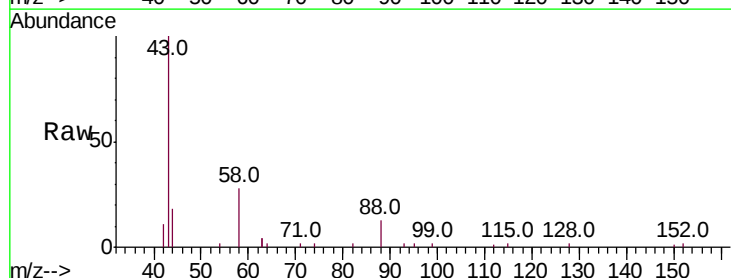
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



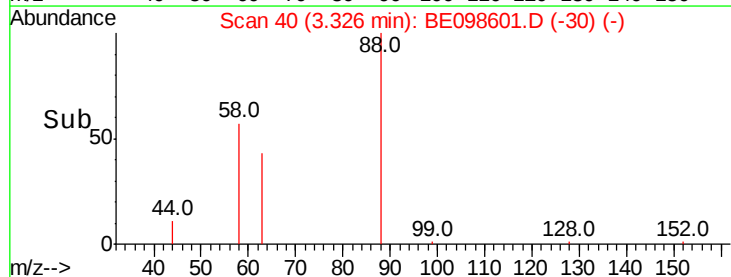
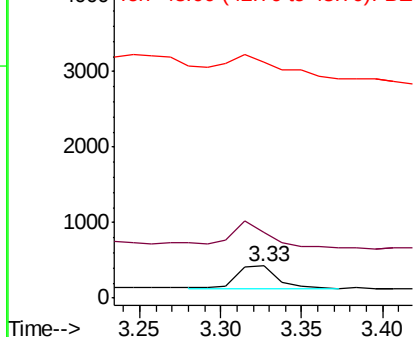
#2

1,4-Dioxane
Concen: 0.286 ng
RT: 3.33 min Scan# 40
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion: 88 Resp: 500
Ion Ratio Lower Upper
88 100
58 130.0 75.0 112.6#
43 136.4 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: 0.456 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.00 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

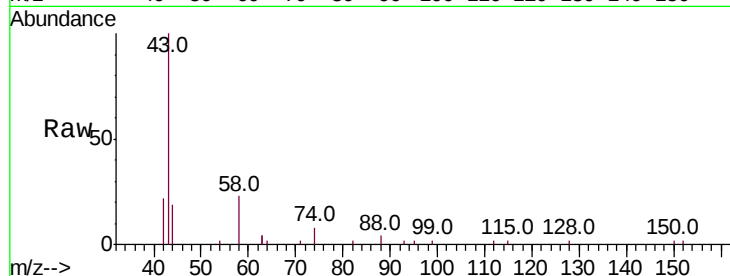
Tot Ion: 42 Resp: 718

Ion Ratio Lower Upper

42 100

74 73.8 0.0 0.0#

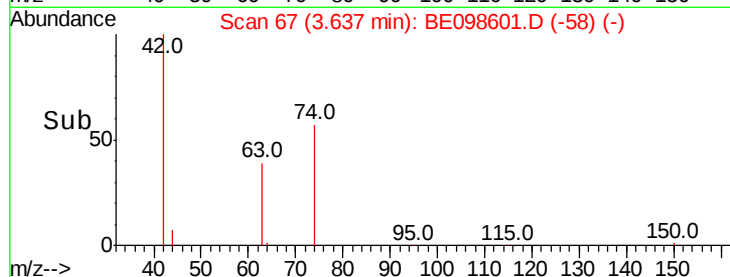
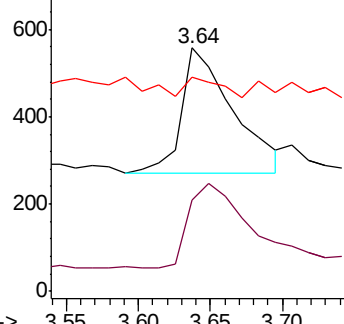
44 10.4 0.0 0.0#



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: 0.481 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.03 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

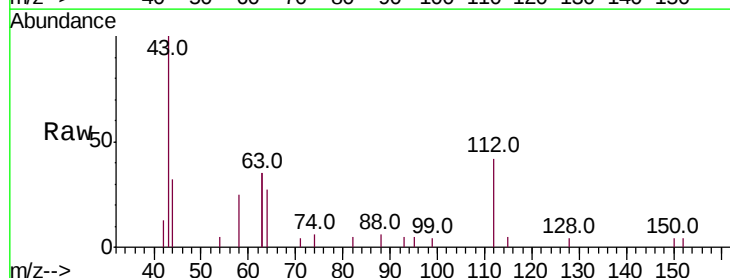
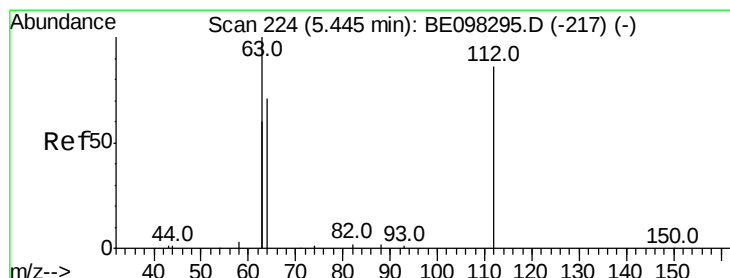
Tgt Ion: 112 Resp: 1138

Ion Ratio Lower Upper

112 100

64 75.0 59.8 89.8

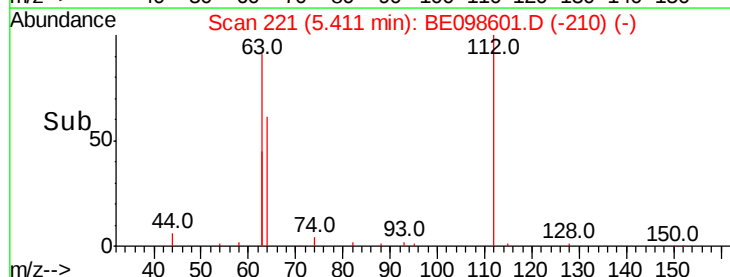
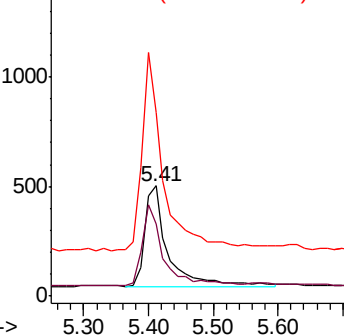
63 185.4 133.7 200.5



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: 0.460 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

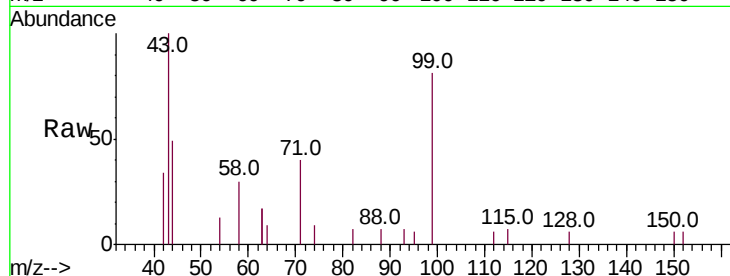
Tot Ion: 99 Resp: 1543

Ion Ratio Lower Upper

99 100

42 36.2 26.3 39.5

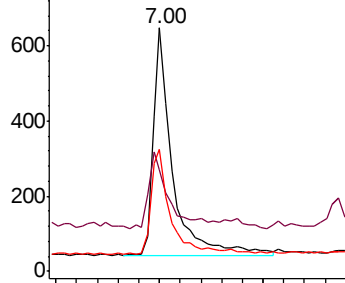
71 47.4 33.6 50.4



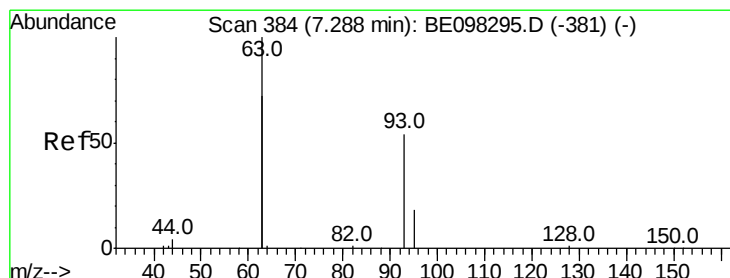
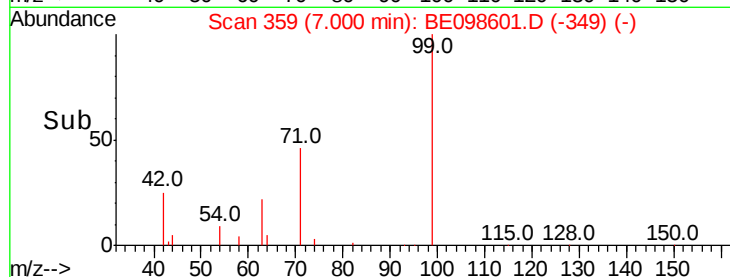
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.327 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

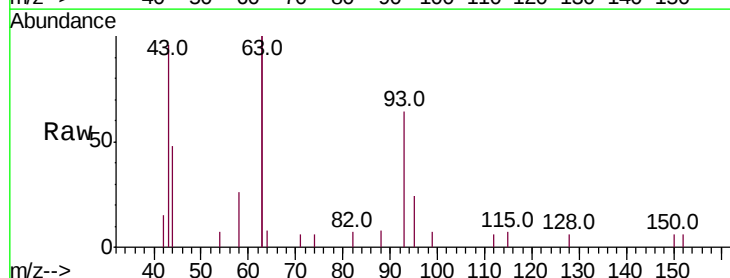
Tgt Ion: 93 Resp: 1042

Ion Ratio Lower Upper

93 100

63 324.9 264.4 396.6

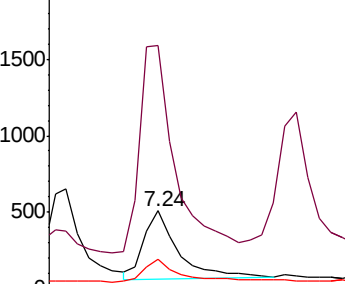
95 33.3 26.6 40.0



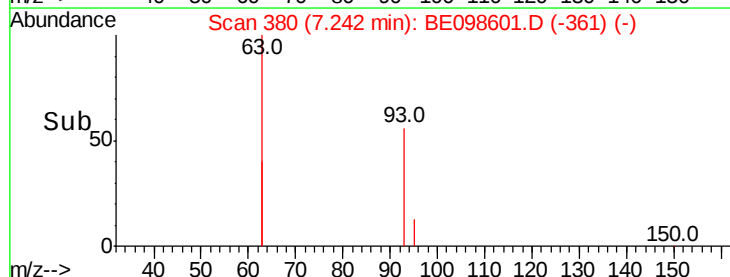
Abundance Ion 93.00 (92.70 to 93.70): BE0

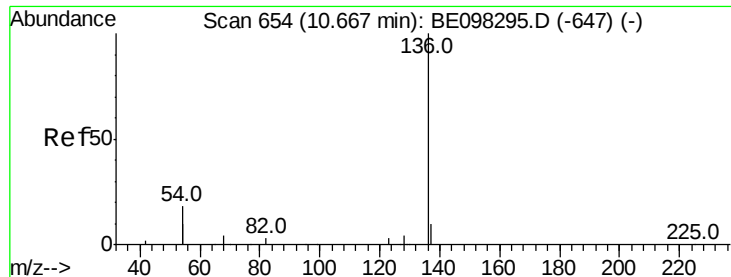
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

Tot Ion:136 Resp: 3953

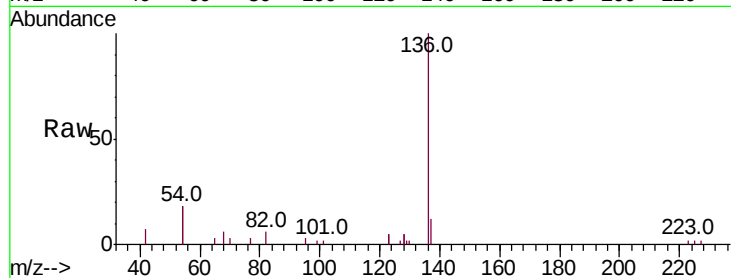
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 36.2 28.4 42.6

68 6.1 5.4 8.0

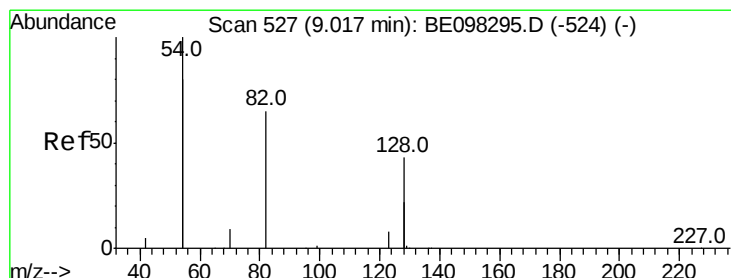
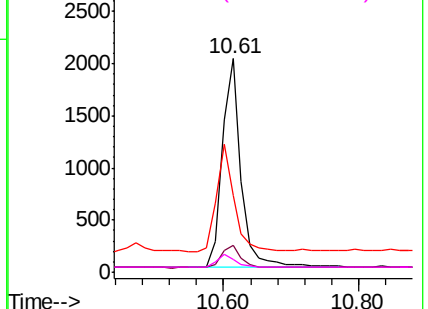
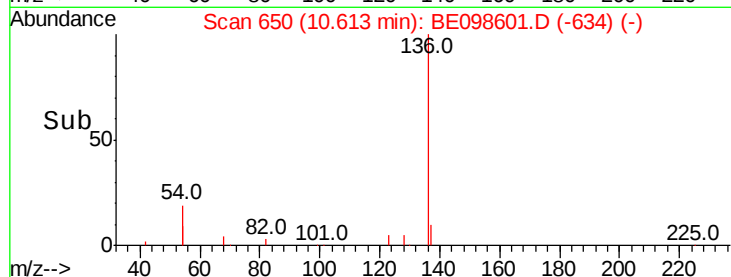


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.407 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.02 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

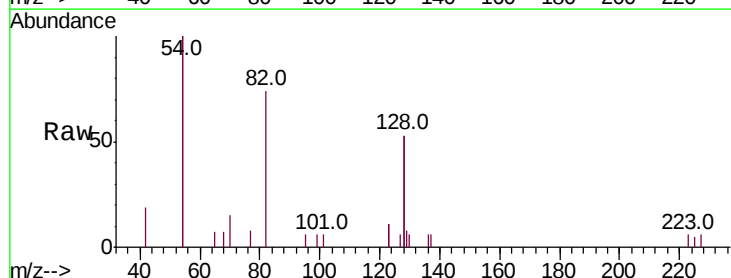
Tgt Ion: 82 Resp: 1464

Ion Ratio Lower Upper

82 100

128 142.5 102.4 153.6

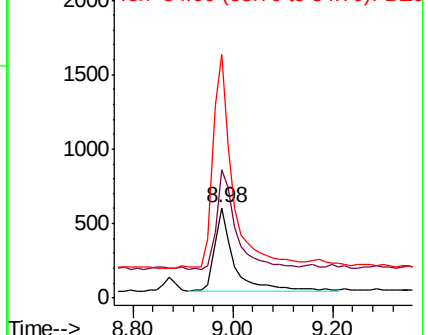
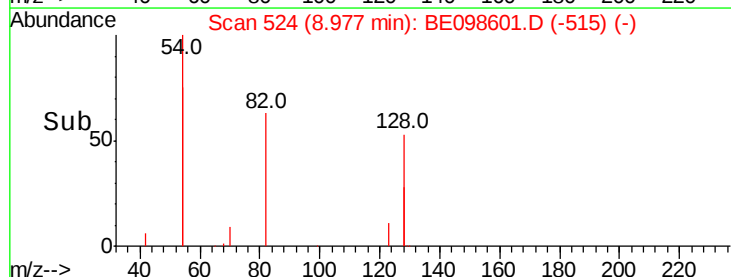
54 270.1 221.8 332.8

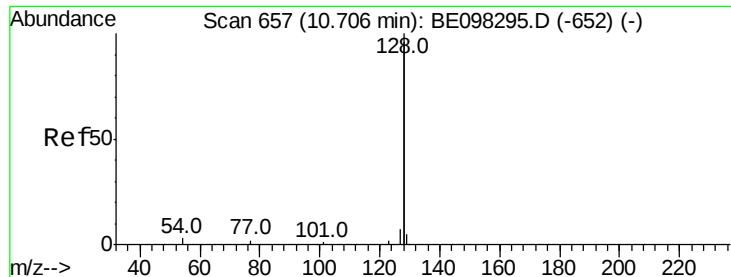


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.382 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

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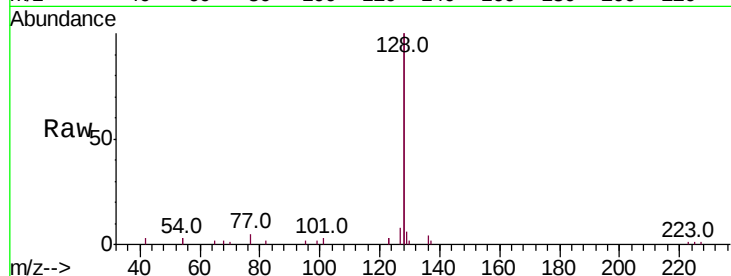
Tot Ion:128 Resp: 15185

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

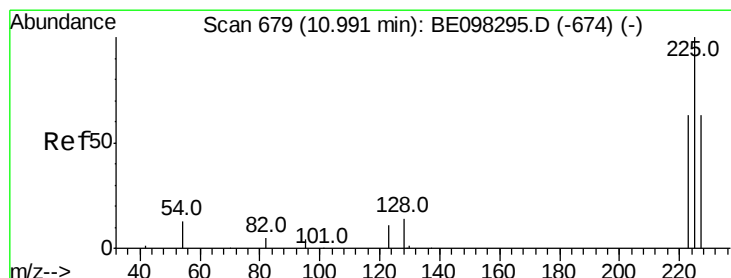
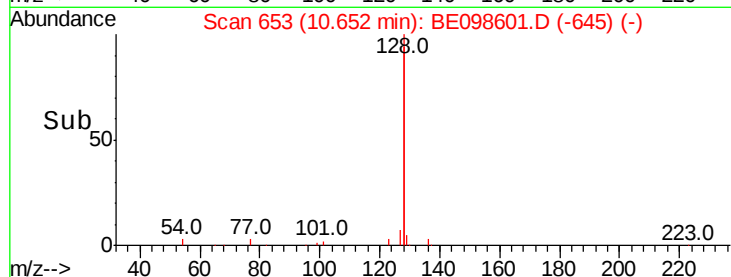
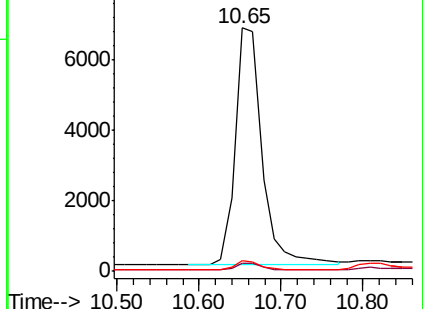
127 4.1 2.7 4.1#



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: 10.94 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

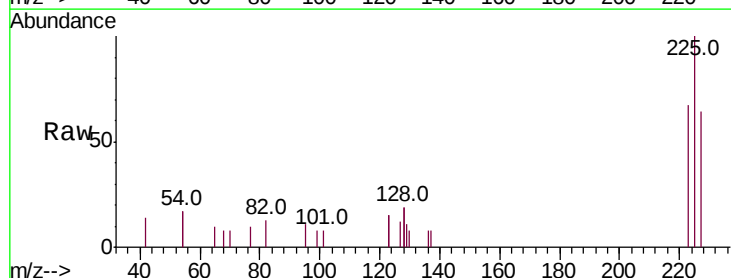
Tgt Ion:225 Resp: 994

Ion Ratio Lower Upper

225 100

223 63.1 49.4 74.0

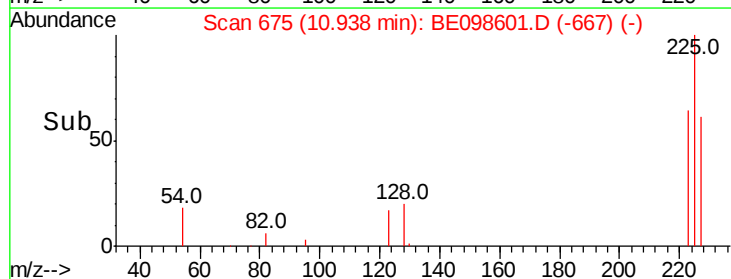
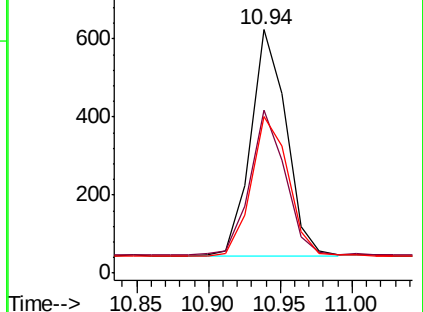
227 64.3 52.0 78.0

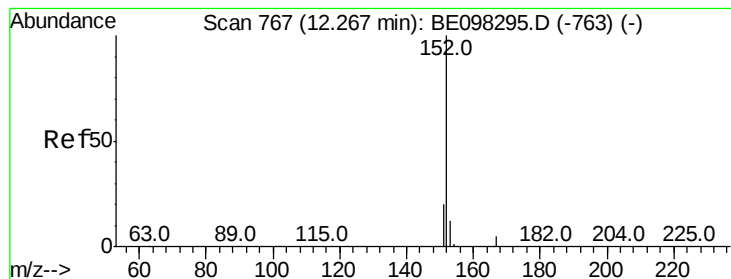


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.435 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

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ClientSampleId :

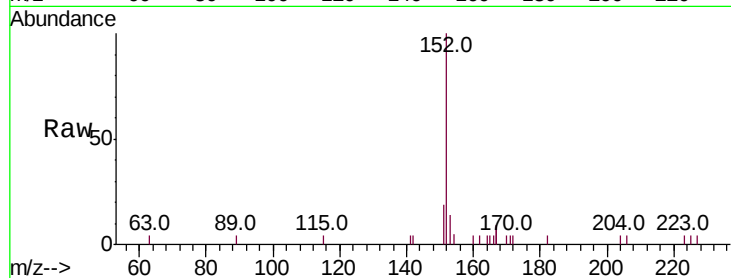
PB116071BS

Tot Ion:152 Resp: 2795

Ion Ratio Lower Upper

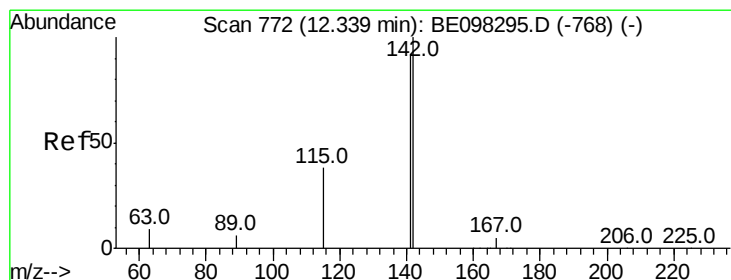
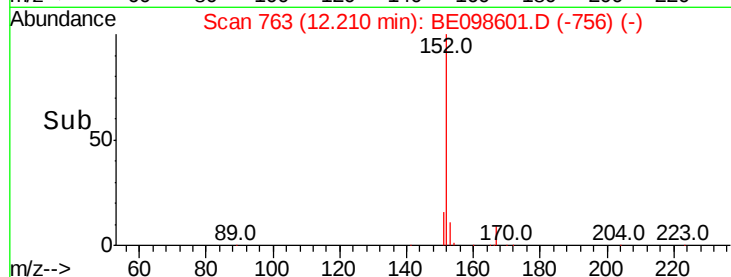
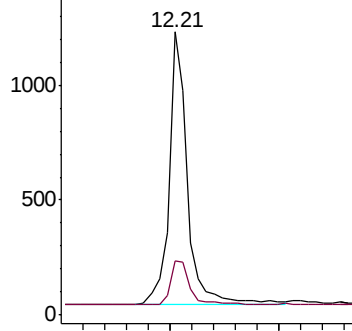
152 100

151 17.1 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.384 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

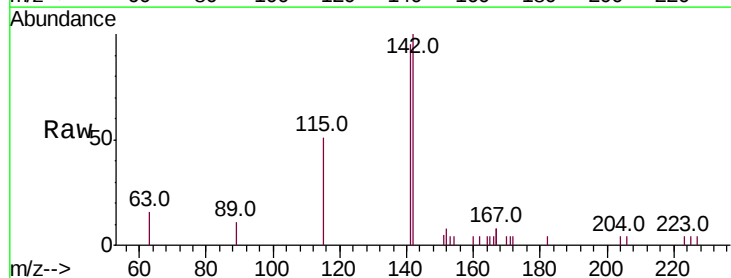
Tgt Ion:142 Resp: 2481

Ion Ratio Lower Upper

142 100

141 94.8 71.0 106.6

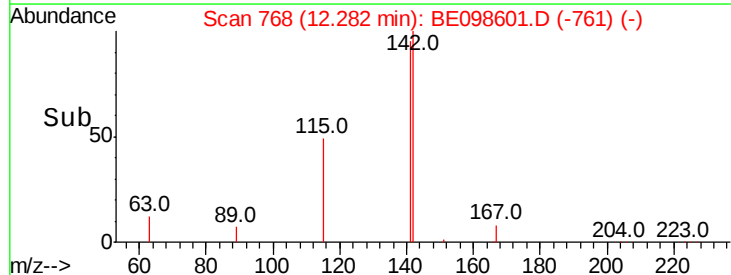
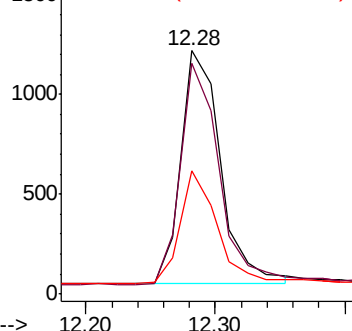
115 50.9 32.2 48.2#

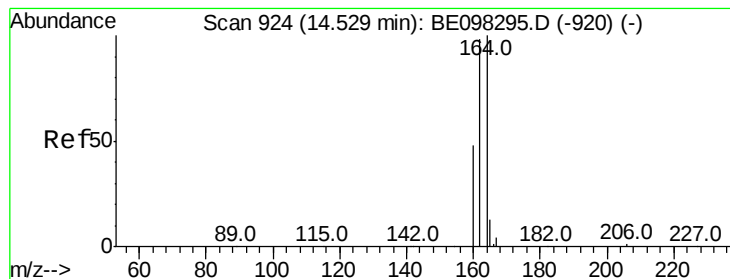


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.02 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

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PB116071BS

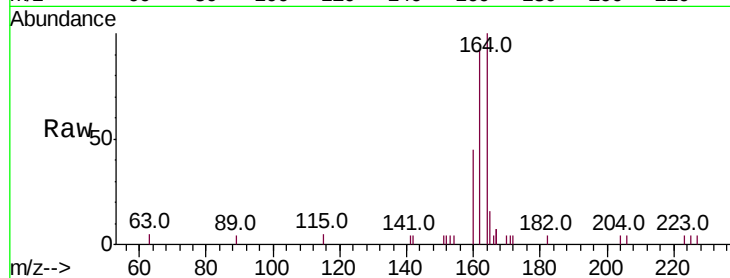
Tot Ion:164 Resp: 2125

Ion Ratio Lower Upper

164 100

162 91.7 77.6 116.4

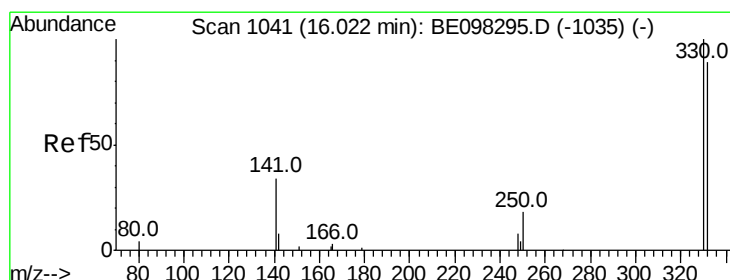
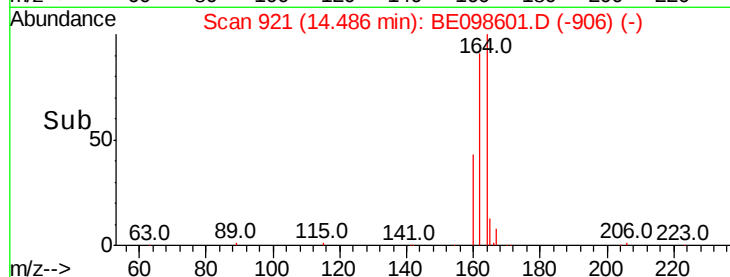
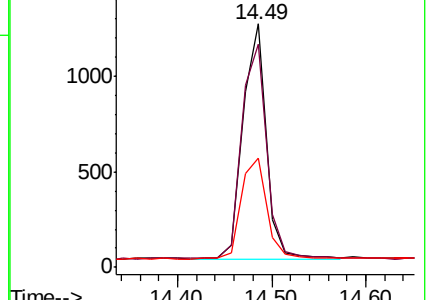
160 44.8 36.0 54.0



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: 0.427 ng

RT: 15.97 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

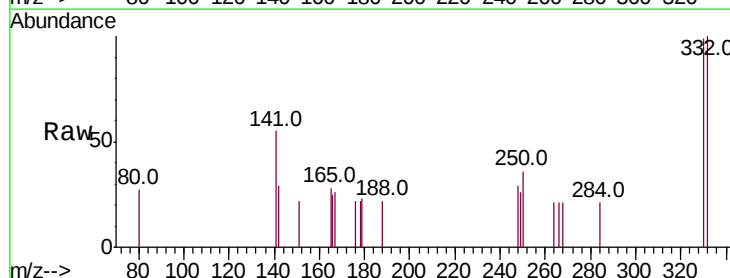
Tgt Ion:330 Resp: 333

Ion Ratio Lower Upper

330 100

332 93.1 76.2 114.4

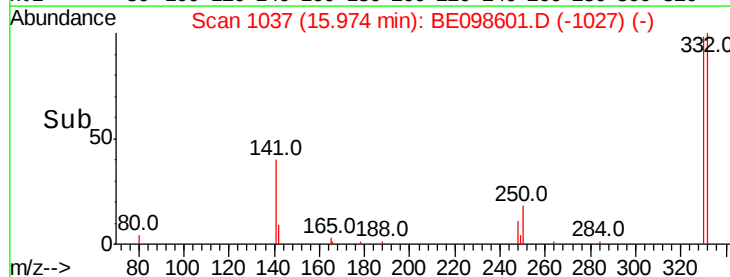
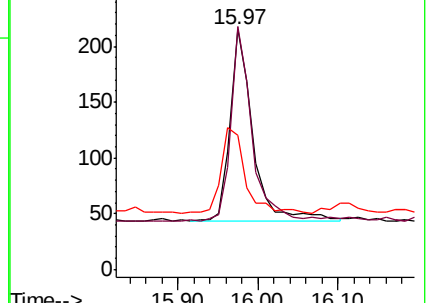
141 48.9 39.0 58.4

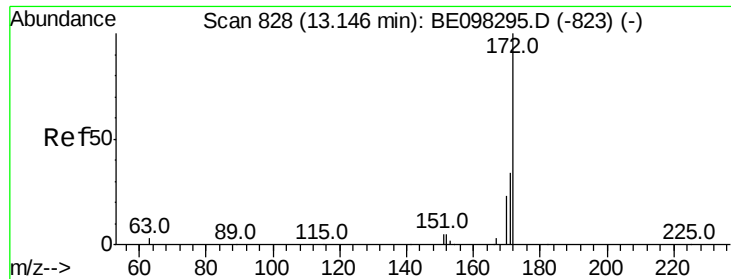


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

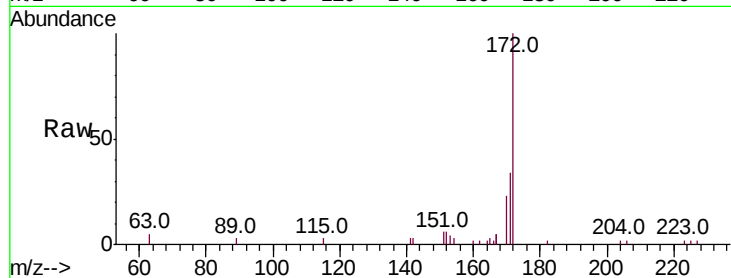




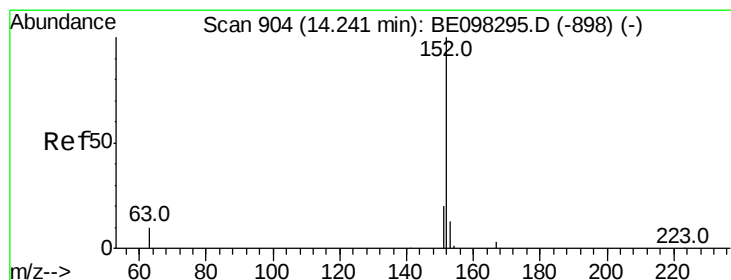
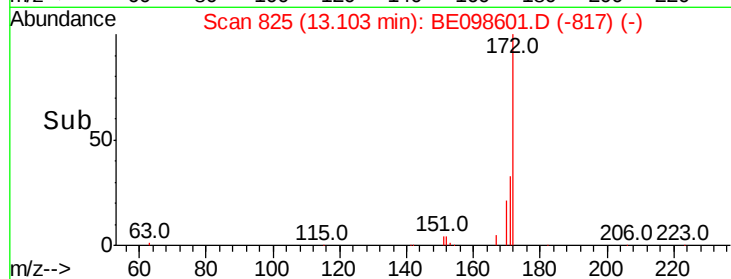
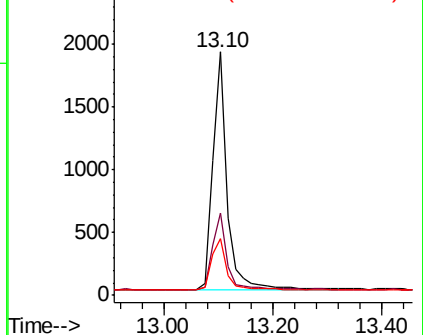
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tot Ion:172 Resp: 3480
Ion Ratio Lower Upper
172 100
171 34.1 27.5 41.3
170 23.3 19.6 29.4

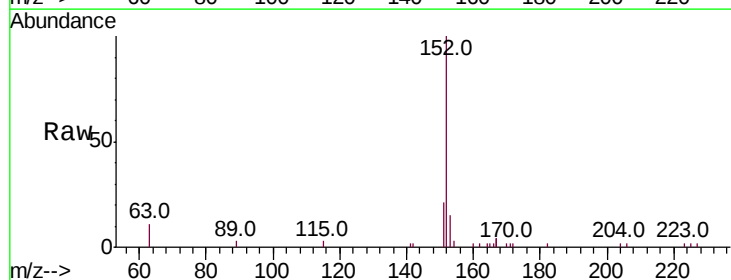


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

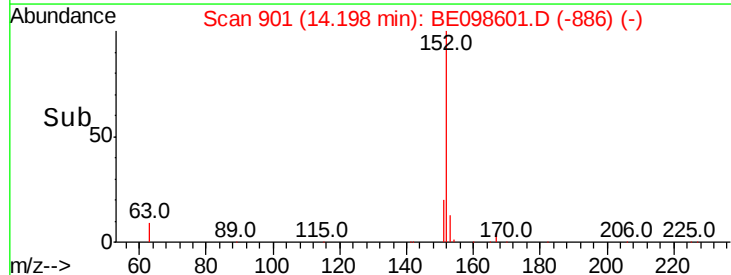
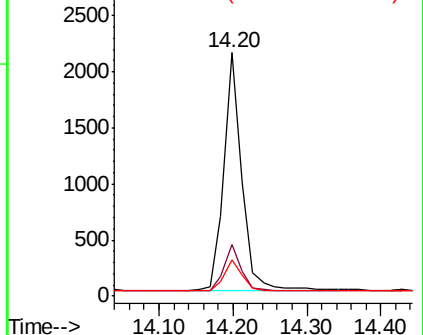


#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:152 Resp: 3581
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.2 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

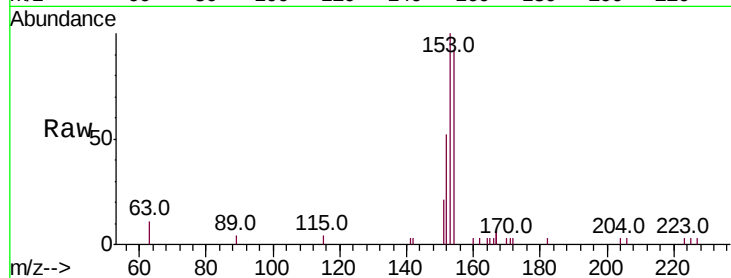




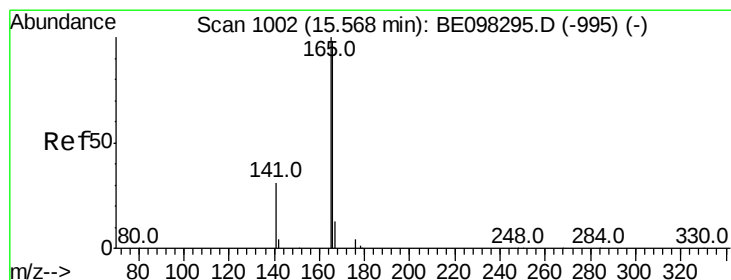
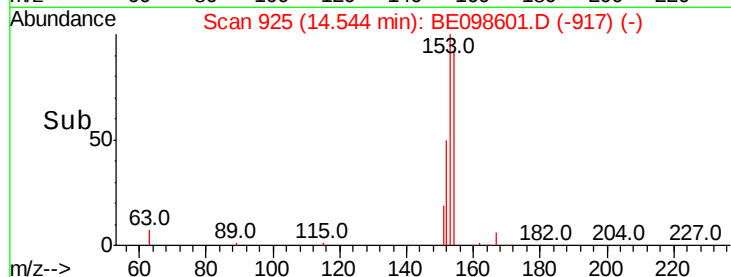
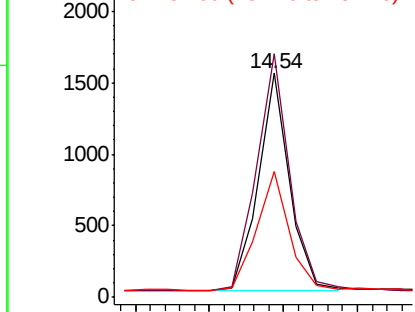
#17
Acenaphthene
Concen: 0.369 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :
PB116071BS

Tot Ion:154 Resp: 2207
Ion Ratio Lower Upper
154 100
153 114.9 91.8 137.6
152 56.8 45.5 68.3

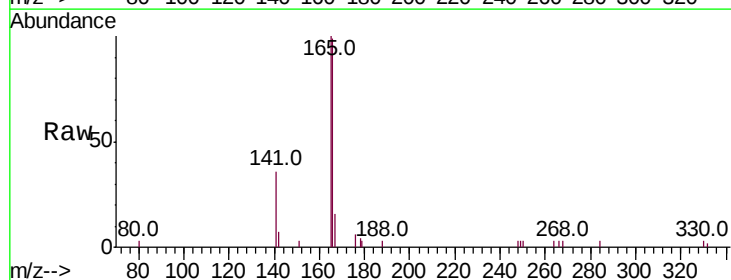


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

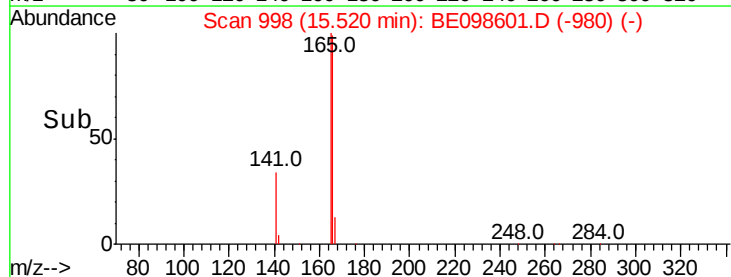
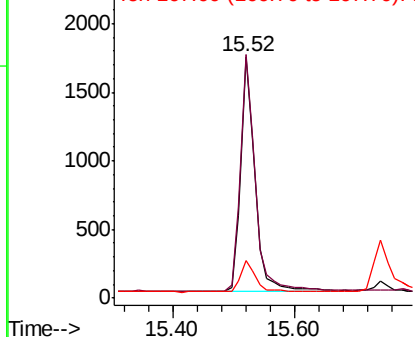


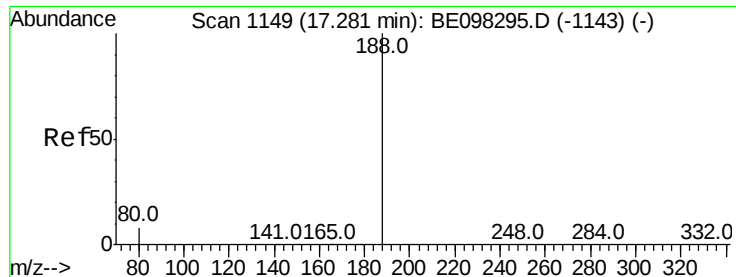
#18
Fluorene
Concen: 0.359 ng
RT: 15.52 min Scan# 998
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:166 Resp: 2870
Ion Ratio Lower Upper
166 100
165 103.7 79.3 118.9
167 14.0 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: 17.23 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

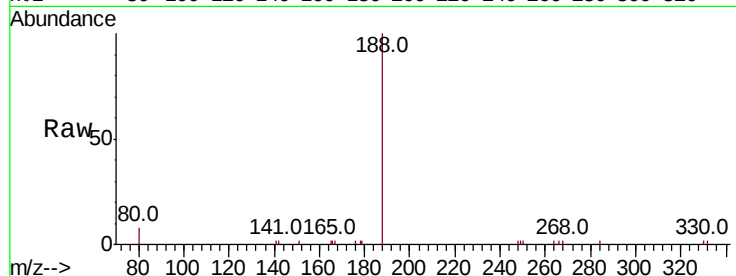
Tot Ion:188 Resp: 4643

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

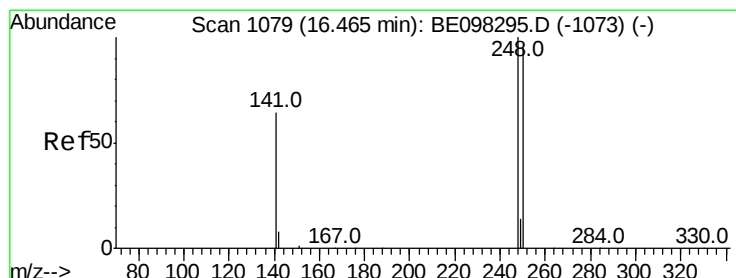
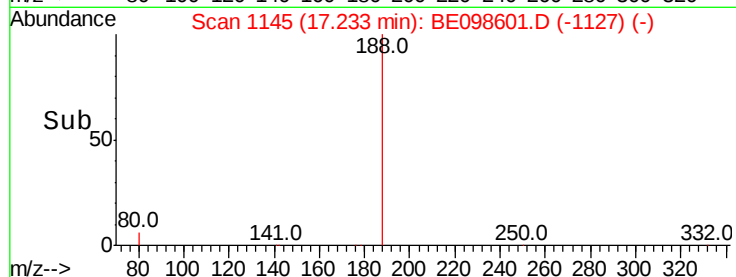
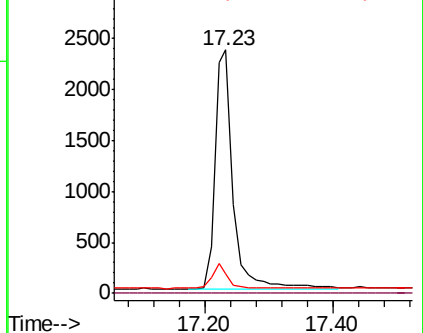
80 7.9 7.2 10.8



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



#20

4-Bromophenyl-phenylether

Concen: 0.373 ng

RT: 16.42 min Scan# 1075

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

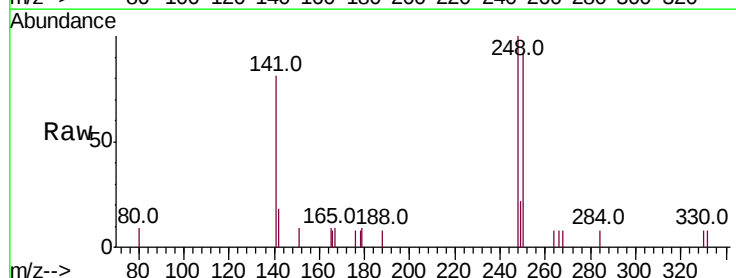
Tgt Ion:248 Resp: 931

Ion Ratio Lower Upper

248 100

250 92.3 71.0 106.6

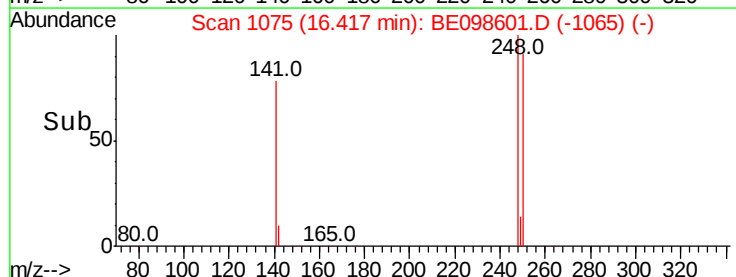
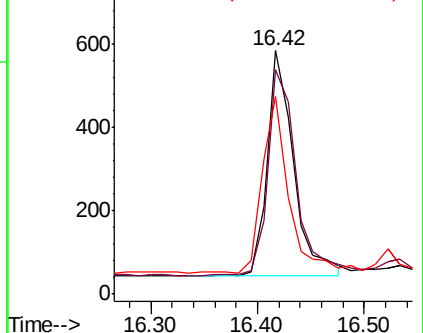
141 81.0 62.1 93.1



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





#21

Hexachlorobenzene

Concen: 0.389 ng

RT: 16.53 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

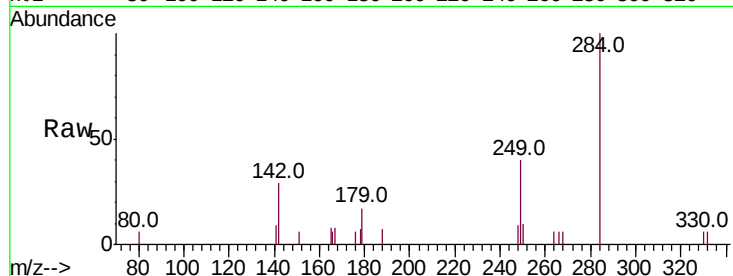
Tot Ion:284 Resp: 1045

Ion Ratio Lower Upper

284 100

142 37.5 26.3 39.5

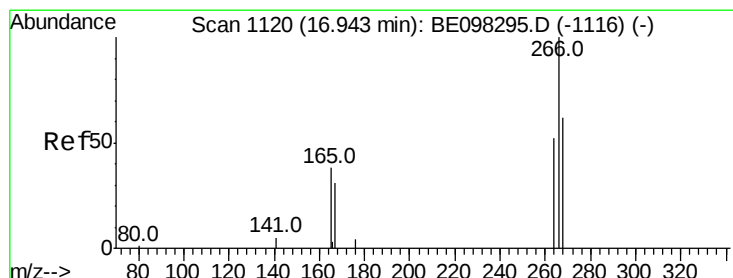
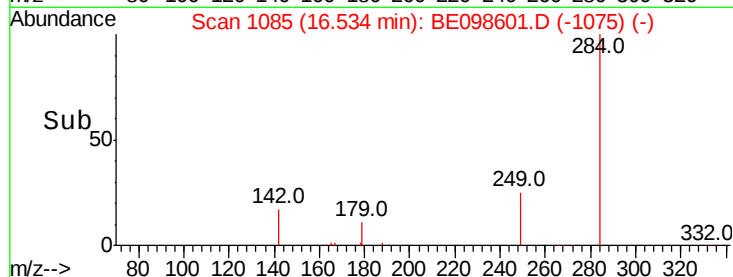
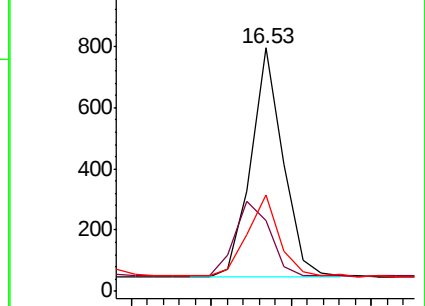
249 36.2 26.0 39.0



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: 1.293 ng

RT: 16.90 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

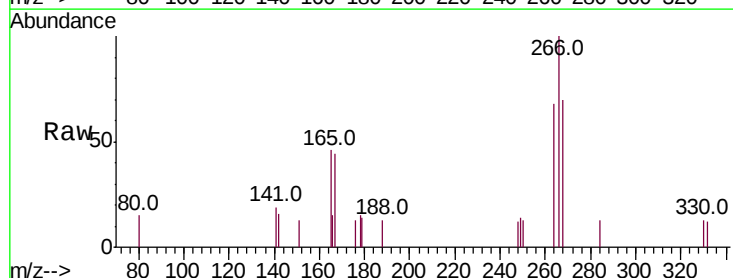
Tgt Ion:266 Resp: 723

Ion Ratio Lower Upper

266 100

264 68.0 59.0 88.4

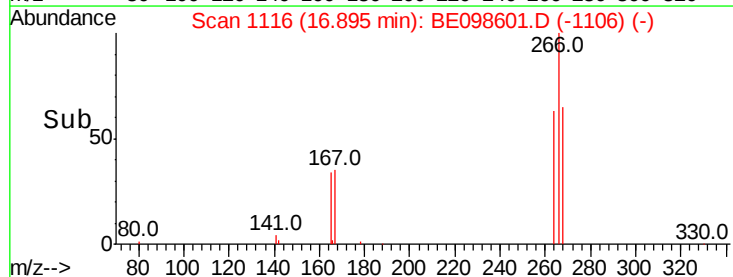
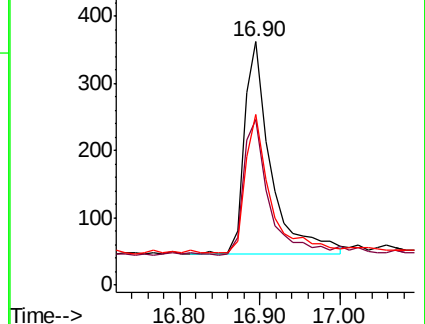
268 69.9 55.1 82.7

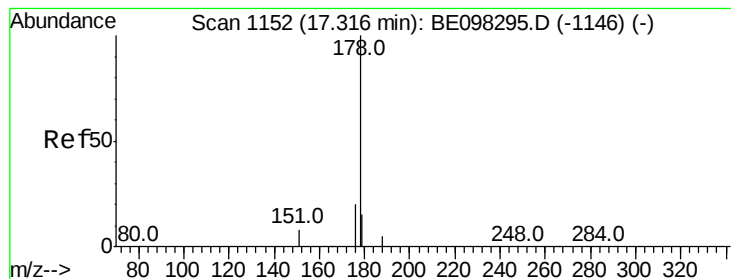


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.395 ng

RT: 17.27 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

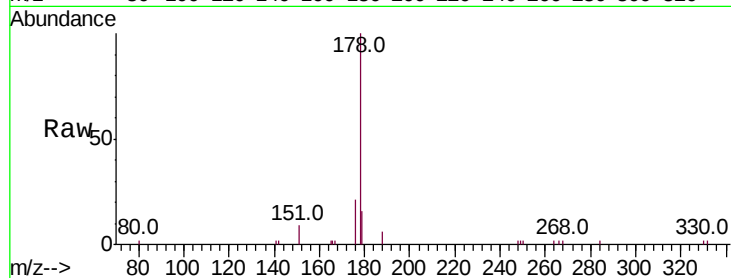
Tot Ion:178 Resp: 4457

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

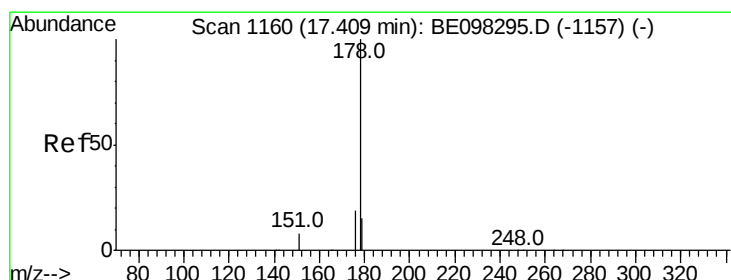
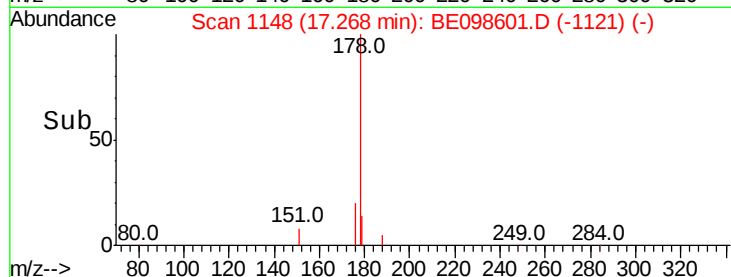
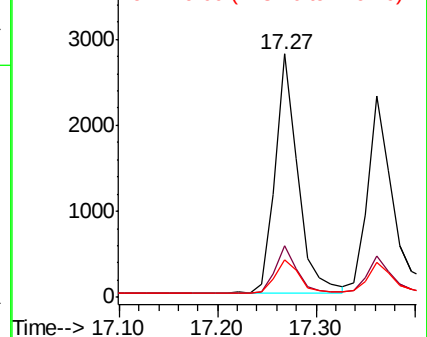
179 15.1 12.3 18.5



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: 0.382 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

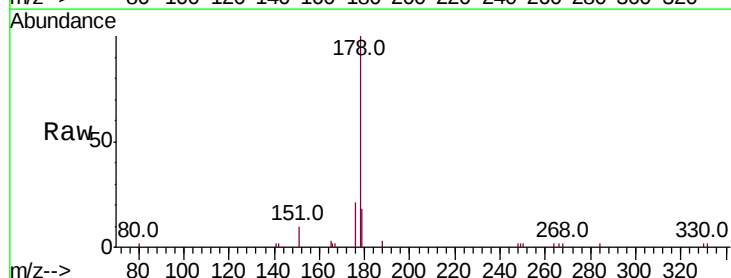
Tgt Ion:178 Resp: 3841

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

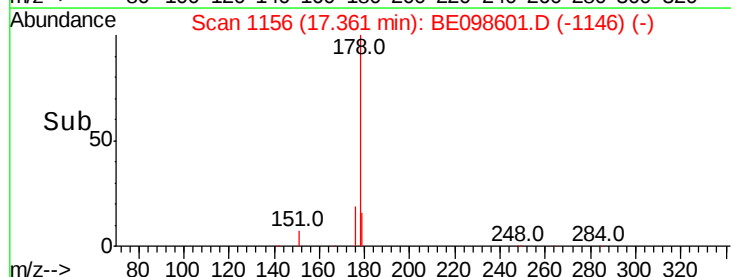
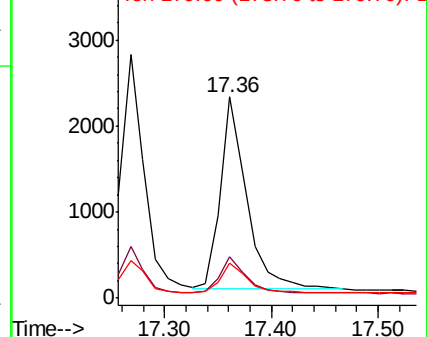
179 15.1 12.3 18.5



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: 0.404 ng

RT: 19.26 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

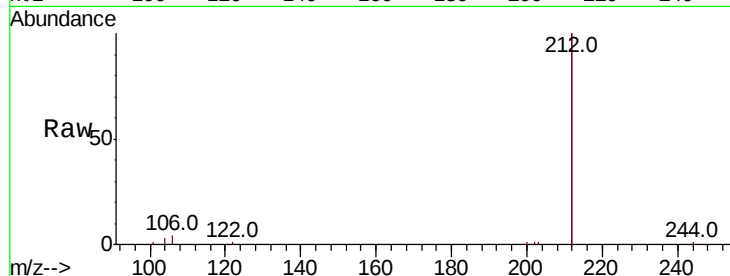
Tot Ion:212 Resp: 24068

Ion Ratio Lower Upper

212 100

106 2.2 2.2 3.2

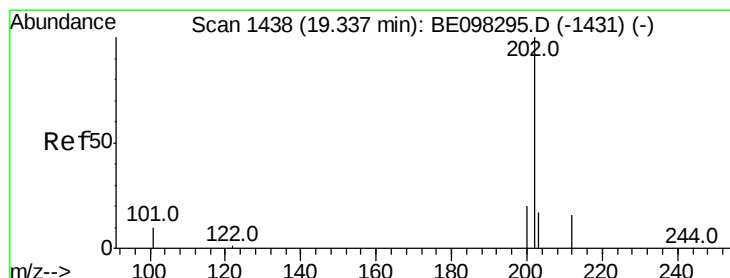
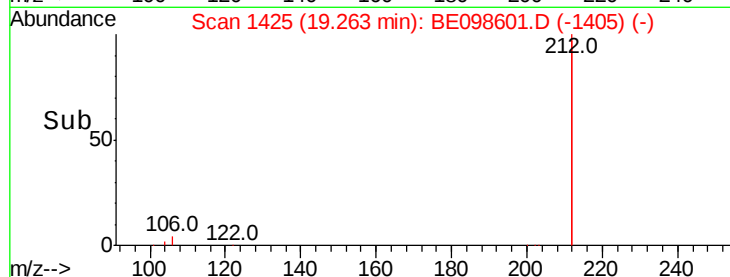
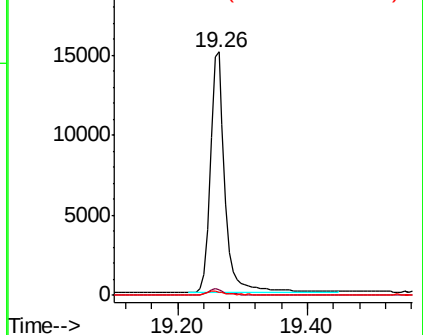
104 1.3 1.3 1.9#



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: 0.373 ng

RT: 19.29 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

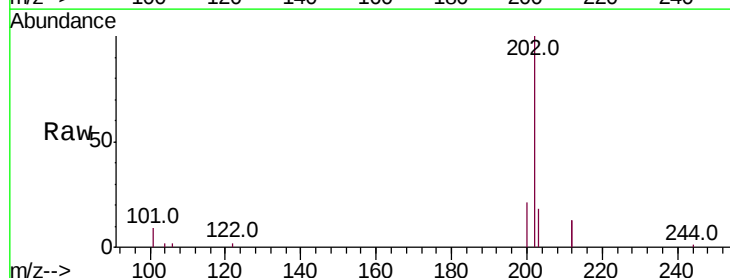
Tgt Ion:202 Resp: 5575

Ion Ratio Lower Upper

202 100

101 8.6 8.0 12.0

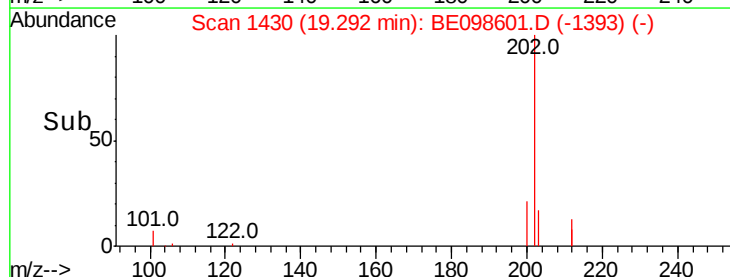
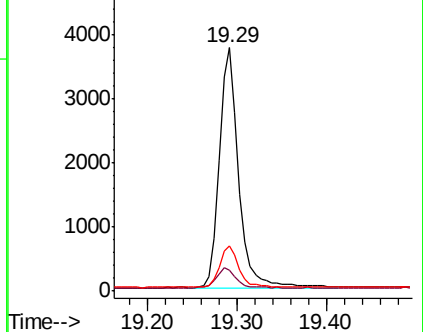
203 17.2 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

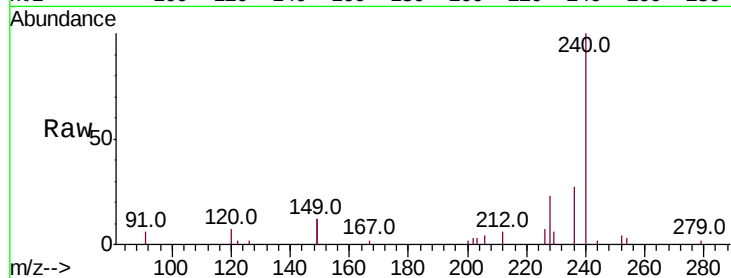
Tot Ion:240 Resp: 5780

Ion Ratio Lower Upper

240 100

120 6.6 9.5 14.3#

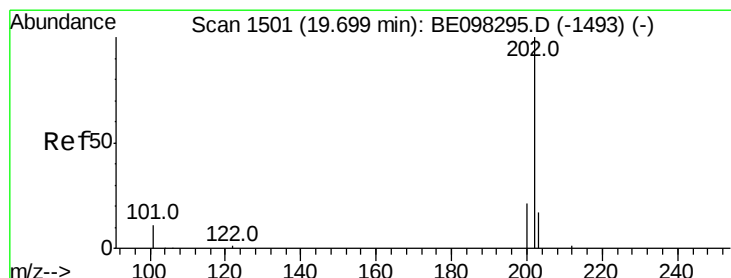
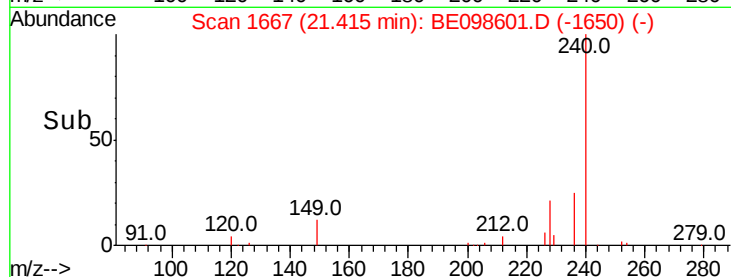
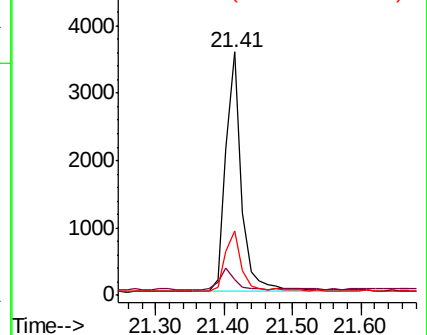
236 26.7 22.7 34.1



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: 0.315 ng

RT: 19.65 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

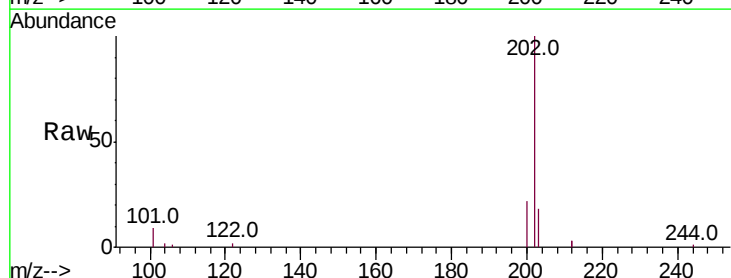
Tgt Ion:202 Resp: 5707

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

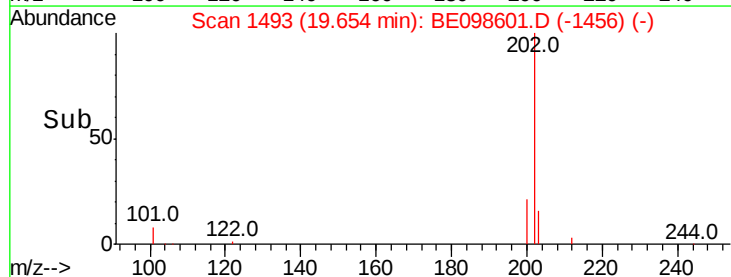
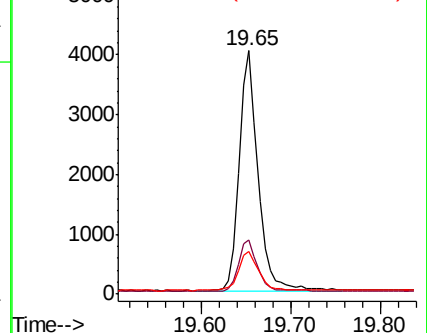
203 17.8 14.1 21.1



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: 0.358 ng

RT: 19.86 min Scan# 1529

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

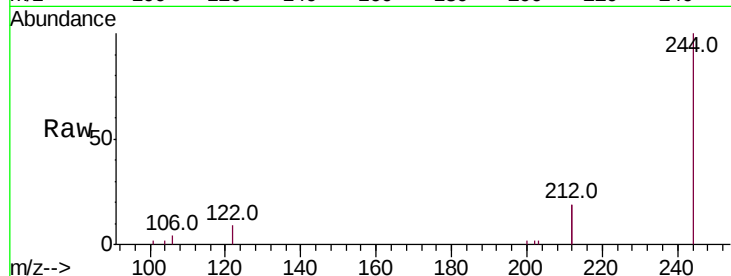
Tot Ion:244 Resp: 5029

Ion Ratio Lower Upper

244 100

212 38.2 27.4 41.0

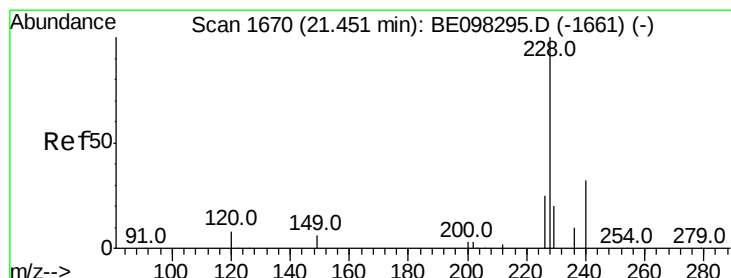
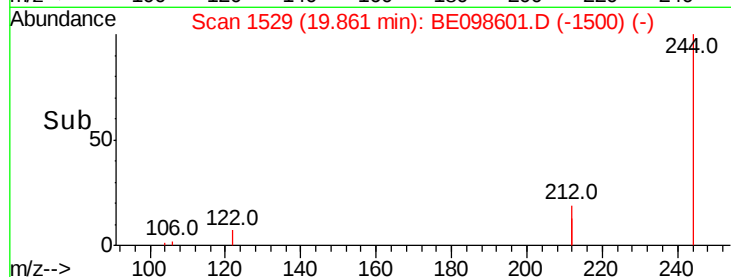
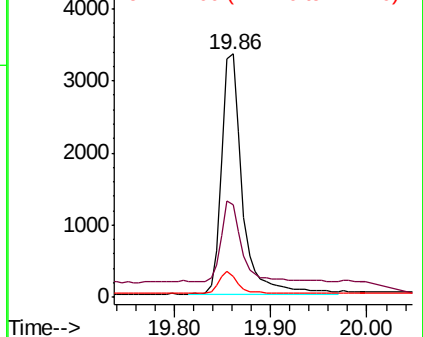
122 8.6 8.3 12.5



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: 0.400 ng

RT: 21.39 min Scan# 1665

Delta R.T. -0.00 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

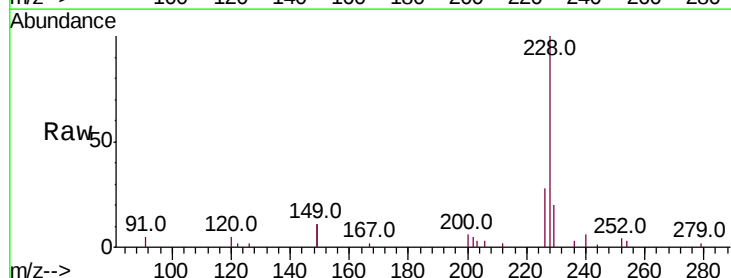
Tgt Ion:228 Resp: 6585

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

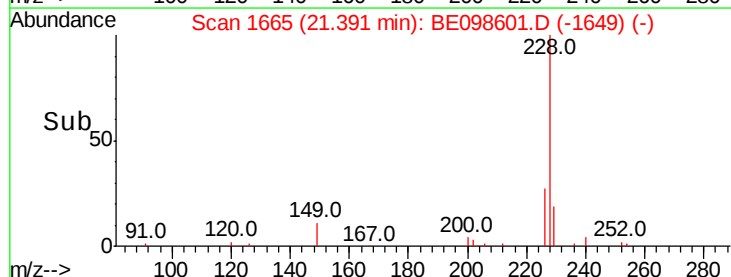
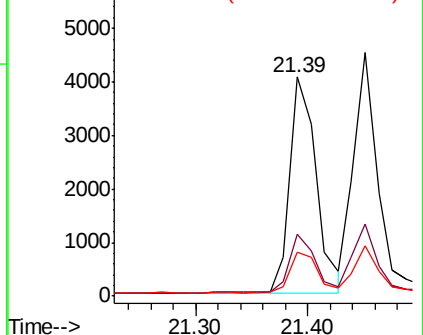
229 20.1 16.3 24.5



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: 0.374 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

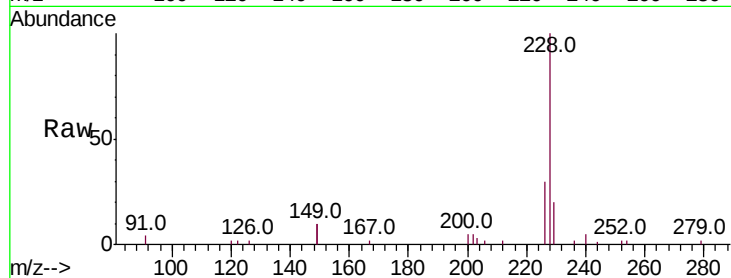
BNA_E

ClientSampleId :

PB116071BS

Tot Ion:228 Resp: 6450

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.0
229	20.4	16.2	24.4

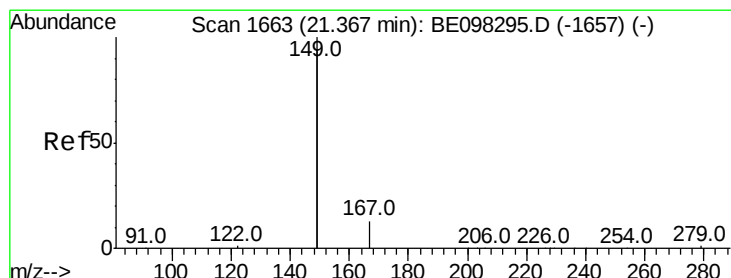
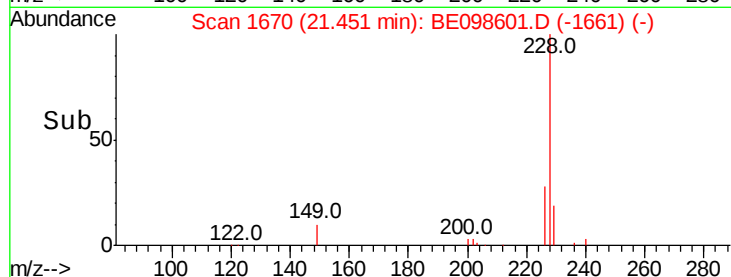
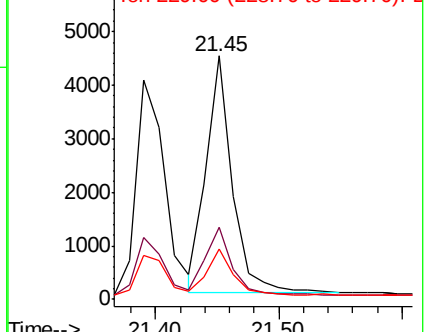


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.388 ng

RT: 21.32 min Scan# 1659

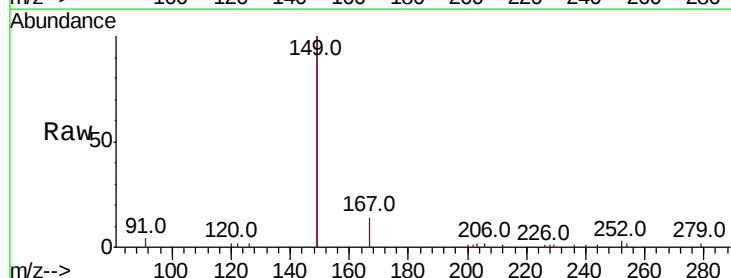
Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Tgt Ion:149 Resp: 12976

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.7	8.5
279	1.2	1.0	1.4

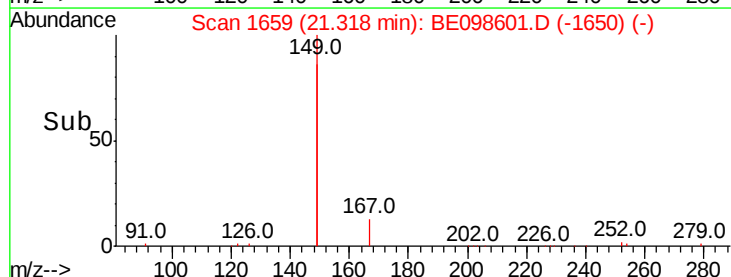
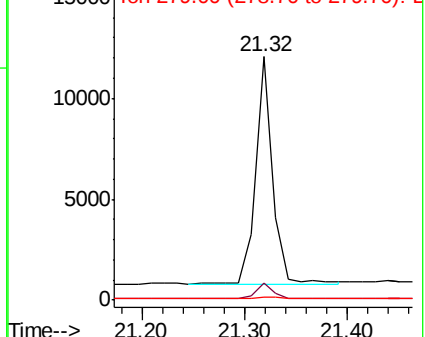


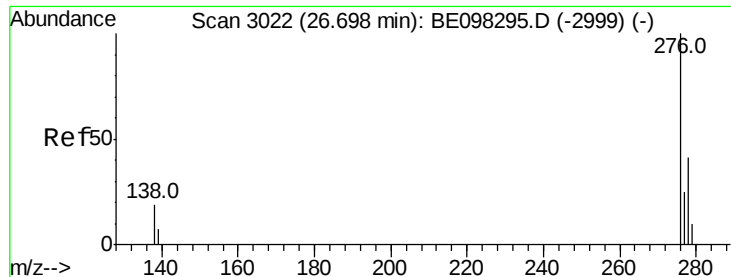
Abundance

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: 0.484 ng

RT: 26.57 min Scan# 2986

Delta R.T. -0.07 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

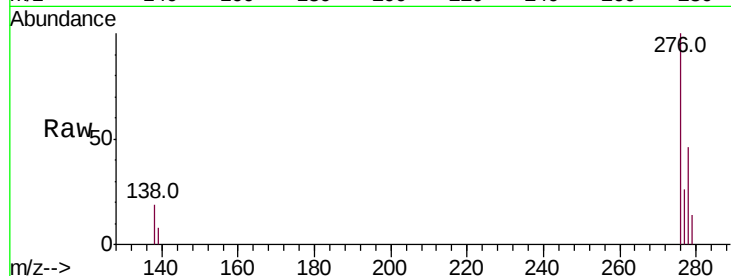
Tot Ion:276 Resp: 8296

Ion Ratio Lower Upper

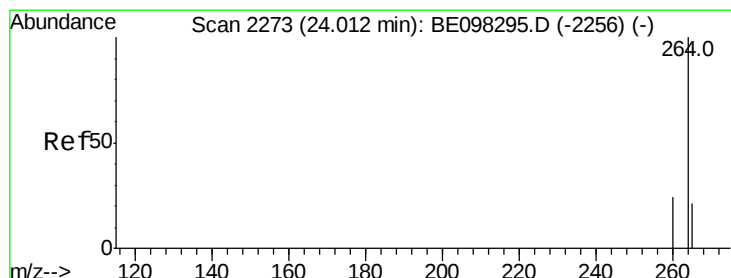
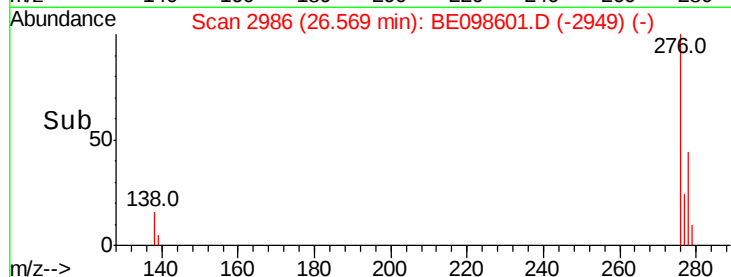
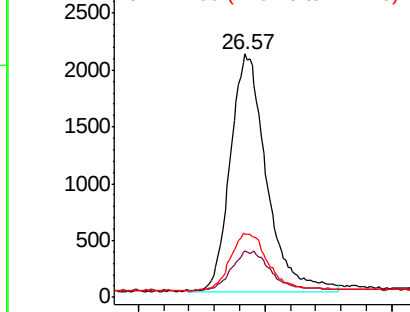
276 100

138 8.7 16.3 24.5#

277 24.9 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2249

Delta R.T. -0.03 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

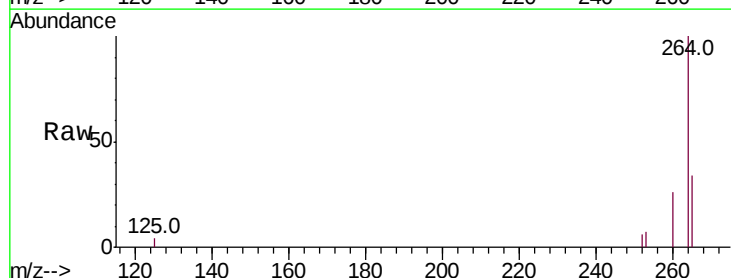
Tgt Ion:264 Resp: 6223

Ion Ratio Lower Upper

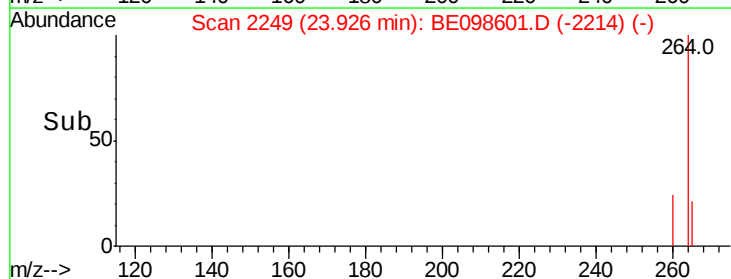
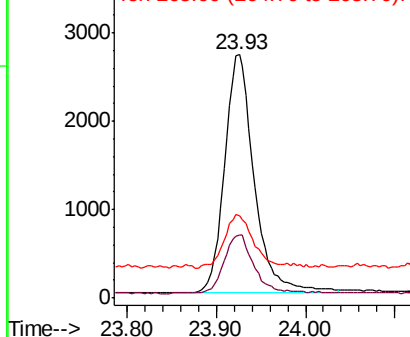
264 100

260 25.8 20.2 30.2

265 33.8 25.2 37.8



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: 0.402 ng

RT: 23.15 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

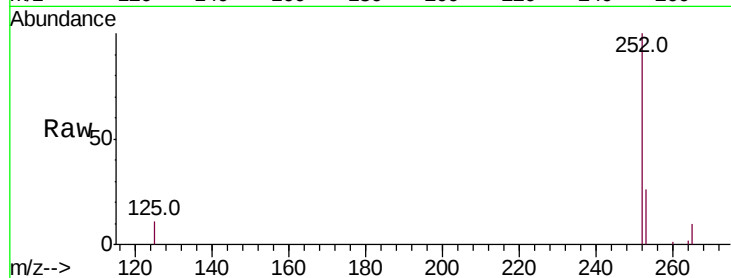
Tot Ion:252 Resp: 6845

Ion Ratio Lower Upper

252 100

253 25.5 20.0 30.0

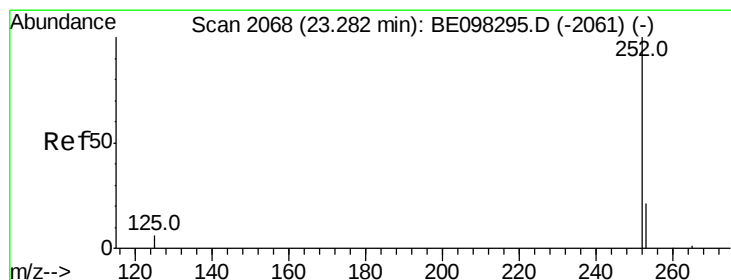
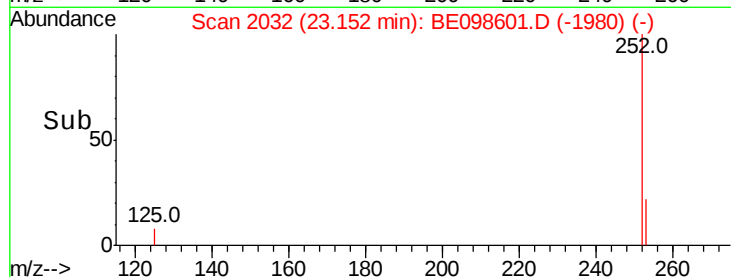
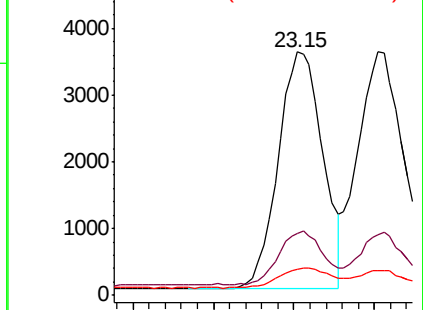
125 10.7 9.6 14.4



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: 0.384 ng

RT: 23.20 min Scan# 2046

Delta R.T. -0.02 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

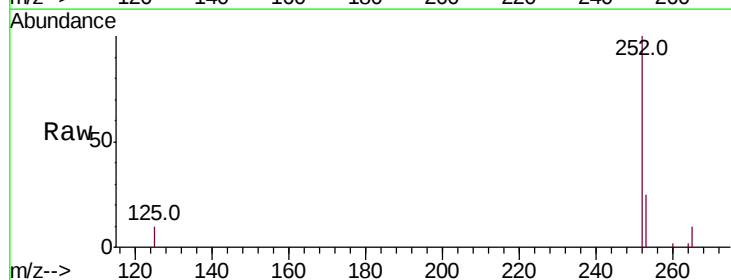
Tgt Ion:252 Resp: 7609

Ion Ratio Lower Upper

252 100

253 24.8 19.0 28.6

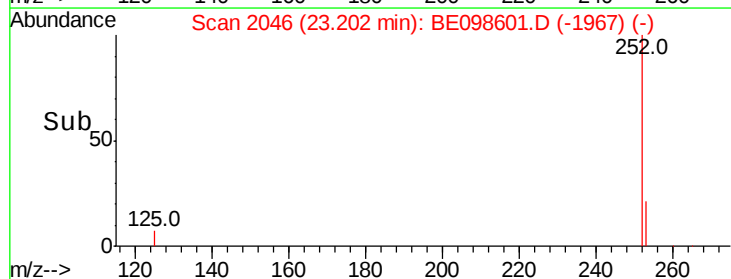
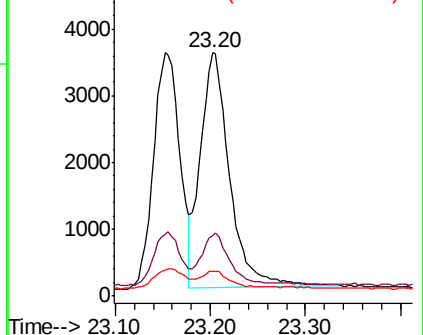
125 10.0 9.1 13.7



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: 0.404 ng

RT: 23.81 min Scan# 2217

Delta R.T. -0.03 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

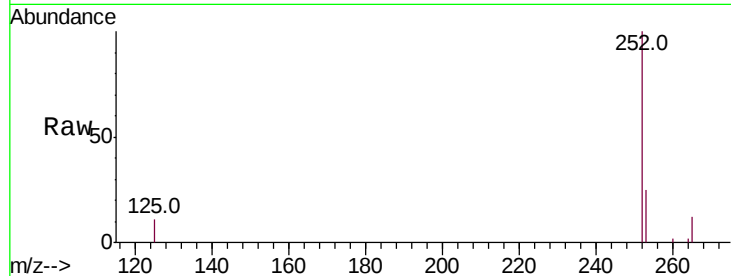
Tot Ion:252 Resp: 7089

Ion Ratio Lower Upper

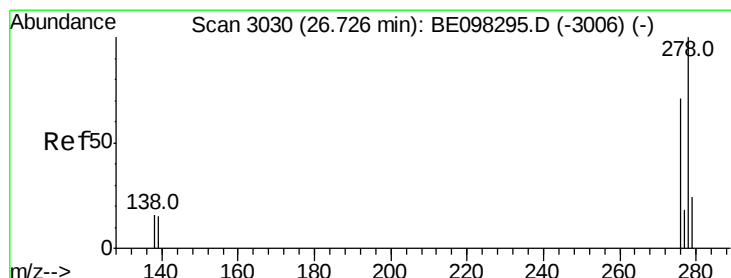
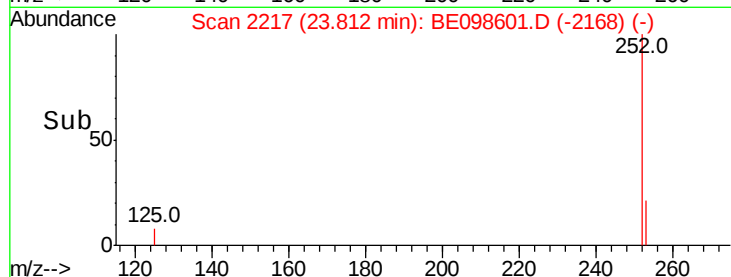
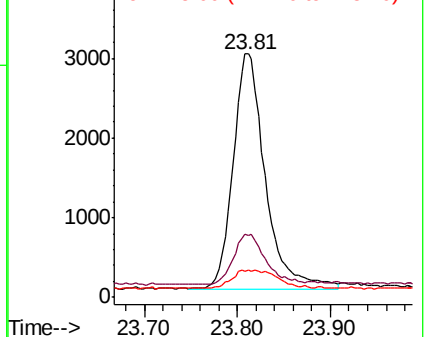
252 100

253 25.4 20.6 30.8

125 11.2 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: 0.402 ng

RT: 26.60 min Scan# 2994

Delta R.T. -0.07 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

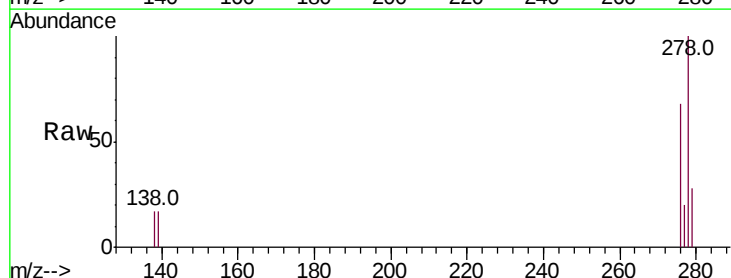
Tgt Ion:278 Resp: 6642

Ion Ratio Lower Upper

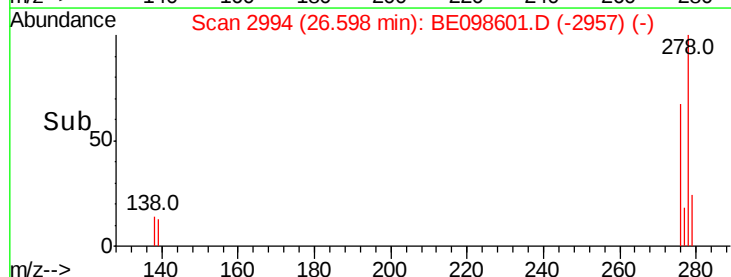
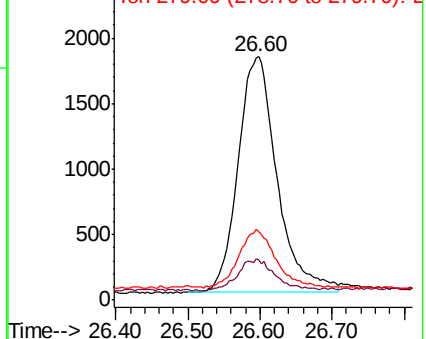
278 100

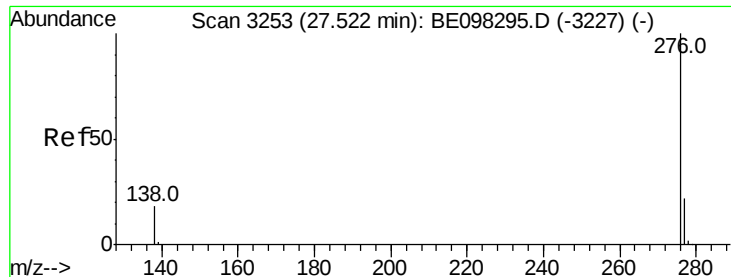
139 16.5 14.5 21.7

279 28.1 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: 0.430 ng

RT: 27.39 min Scan# 3215

Delta R.T. -0.08 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

PB116071BS

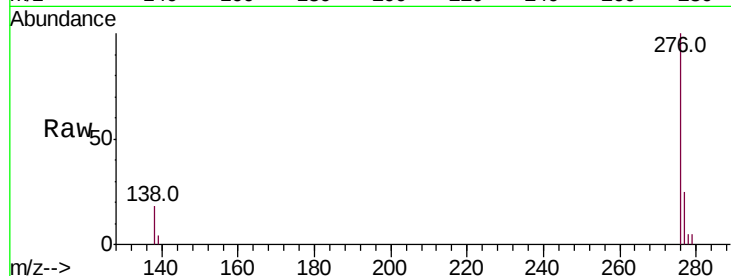
Tot Ion:276 Resp: 7162

Ion Ratio Lower Upper

276 100

277 25.0 20.8 31.2

138 17.6 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

