

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
 Data File : BE098605.D
 Acq On : 2 Jan 2019 12:50
 Operator : SJ/JU
 Sample : J659-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 02 13:30:31 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	7.80	152	950	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	3748	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2598	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	5486	0.40	ng	0.00
27) Chrysene-d12	21.43	240	8335	0.40	ng	0.02
34) Perylene-d12	23.95	264	6956	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	1086	0.49	ng	0.01
5) Phenol-d6	6.99	99	1737	0.55	ng	0.00
8) Nitrobenzene-d5	8.96	82	1662	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	3376	0.55	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	462	0.48	ng	0.01
15) 2-Fluorobiphenyl	13.09	172	3230	0.29	ng	0.00
25) Fluoranthene-d10	19.26	212	25502	0.36	ng	0.02
29) Terphenyl-d14	19.86	244	5555	0.27	ng	0.02

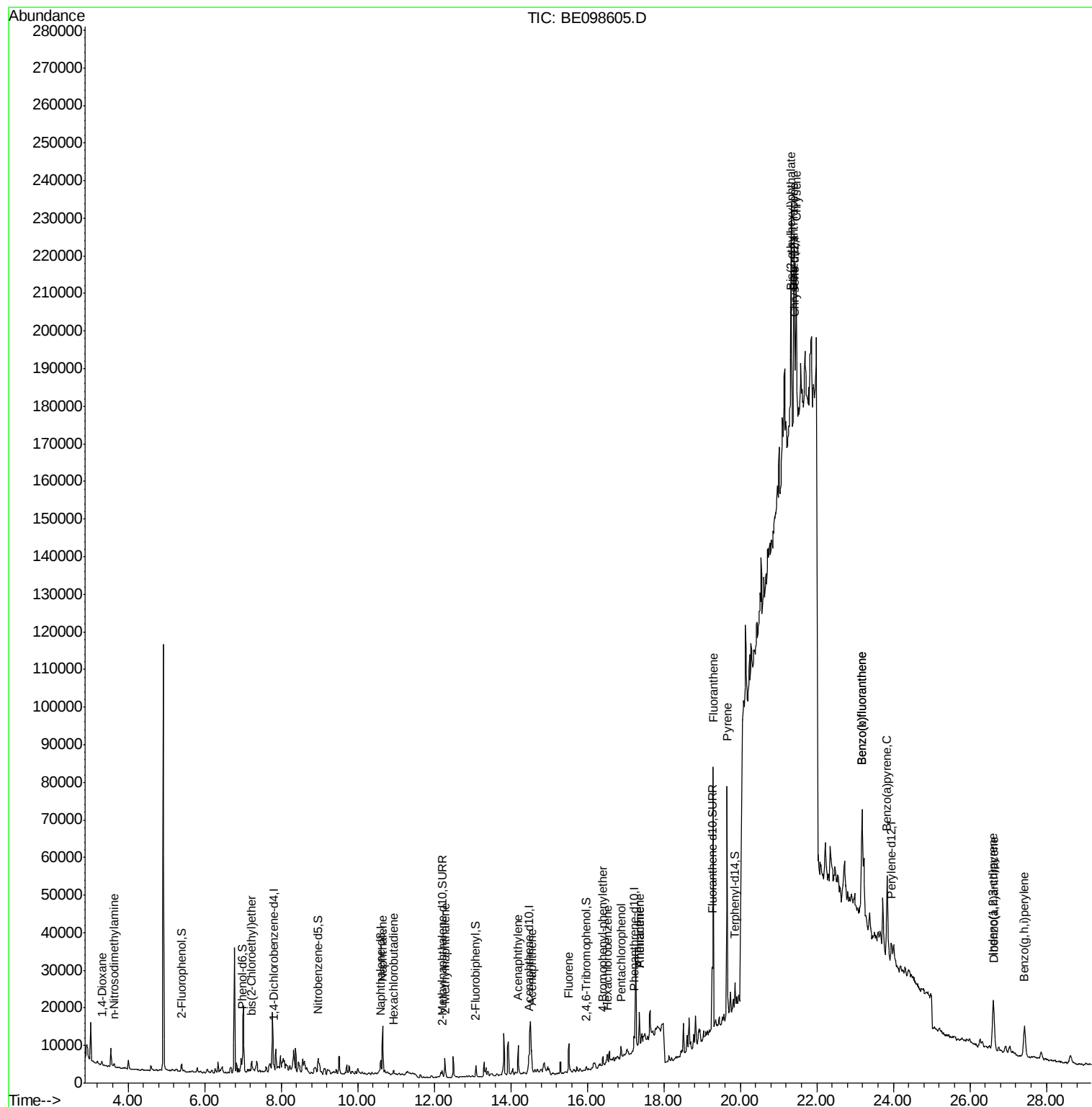
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	492	0.299	ng	# 27
3) n-Nitrosodimethylamine	3.62	42	764	0.517	ng	# 100
6) bis(2-Chloroethyl)ether	7.23	93	1118	0.374	ng	# 74
9) Naphthalene	10.65	128	21474	0.569	ng	99
10) Hexachlorobutadiene	10.94	225	920	0.383	ng	97
12) 2-Methylnaphthalene	12.28	142	3292	0.537	ng	# 93
16) Acenaphthylene	14.20	152	8309	0.683	ng	97
17) Acenaphthene	14.54	154	3116	0.426	ng	96
18) Fluorene	15.52	166	5189	0.530	ng	# 95
20) 4-Bromophenyl-phenylether	16.42	248	1170	0.396	ng	# 69
21) Hexachlorobenzene	16.53	284	1071	0.337	ng	# 83
22) Pentachlorophenol	16.88	266	1394	1.859	ng	92
23) Phenanthrene	17.36	178	10646	0.799	ng	98
24) Anthracene	17.36	178	9745	0.820	ng	99
26) Fluoranthene	19.29	202	63500	3.600	ng	# 97
28) Pyrene	19.65	202	58273	2.228	ng	# 92
30) Benzo(a)anthracene	21.40	228	41917	1.766	ng	# 85
31) Chrysene	21.46	228	39209	1.577	ng	# 82
32) Bis(2-ethylhexyl)phthalate	21.33	149	75307	1.562	ng	# 95
33) Indeno(1,2,3-cd)pyrene	26.61	276	24088	0.974	ng	# 94
35) Benzo(b)fluoranthene	23.18	252	47901	2.518	ng	# 1
36) Benzo(k)fluoranthene	23.18	252	47901	2.162	ng	# 1
37) Benzo(a)pyrene	23.84	252	34770	1.772	ng	# 1
38) Dibenzo(a,h)anthracene	26.63	278	9908	0.536	ng	# 1
39) Benzo(g,h,i)perylene	27.43	276	21782	1.169	ng	# 77

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

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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Jan 02 13:30:31 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



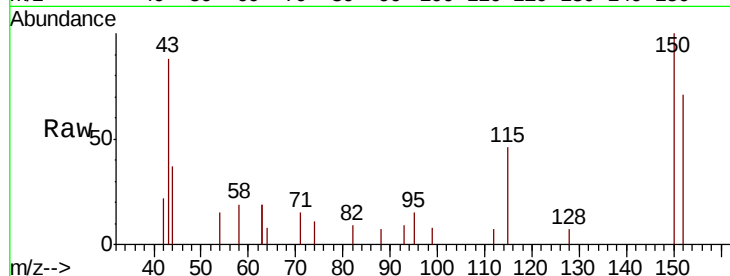


#1

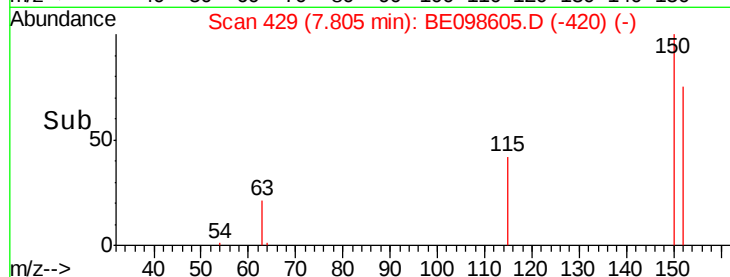
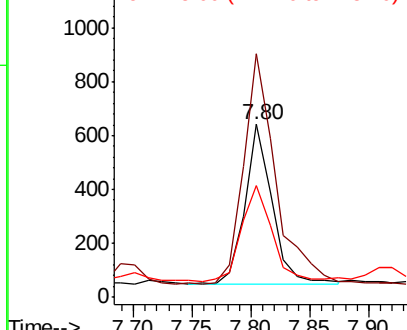
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098605.D
Acq: 2 Jan 2019 12:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 152 Resp: 950
Ion Ratio Lower Upper
152 100
150 140.9 124.2 186.4
115 64.9 53.9 80.9



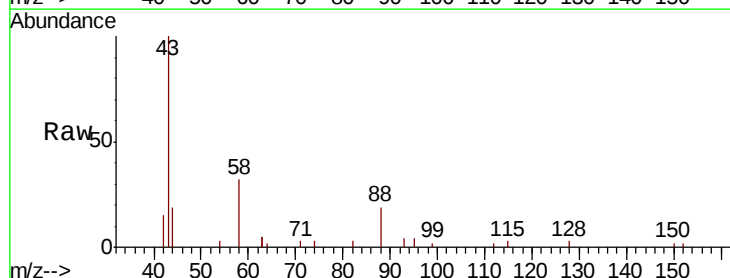
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



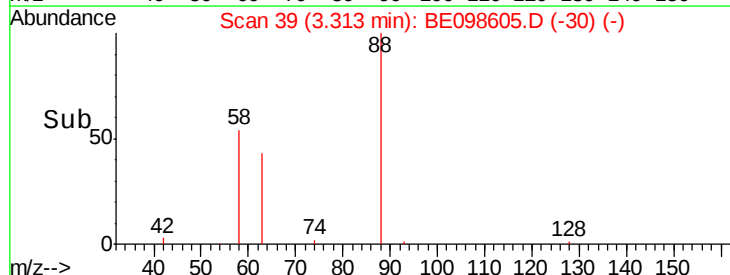
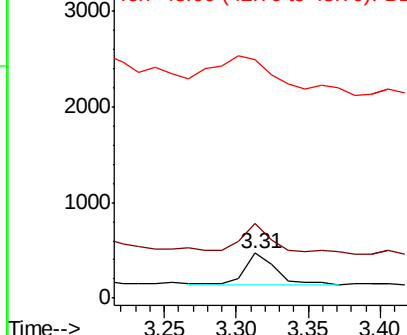
#2

1,4-Dioxane
Concen: 0.299 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098605.D
Acq: 2 Jan 2019 12:50

Tgt Ion: 88 Resp: 492
Ion Ratio Lower Upper
88 100
58 80.7 75.0 112.6
43 175.0 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



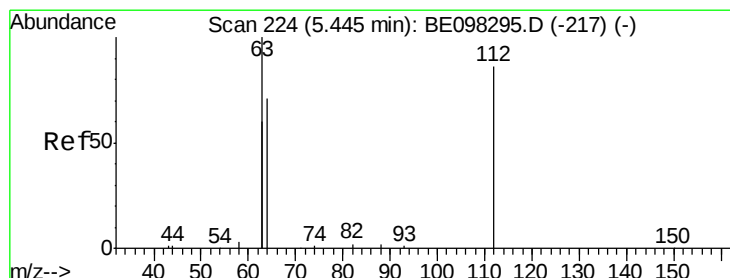
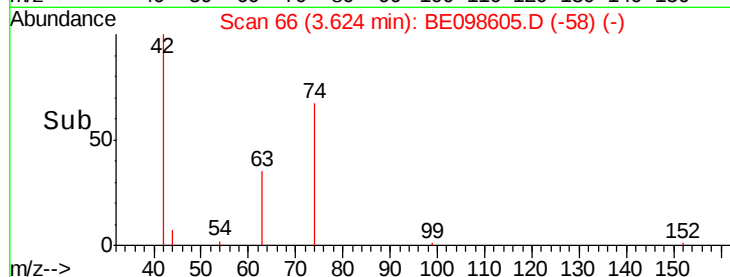
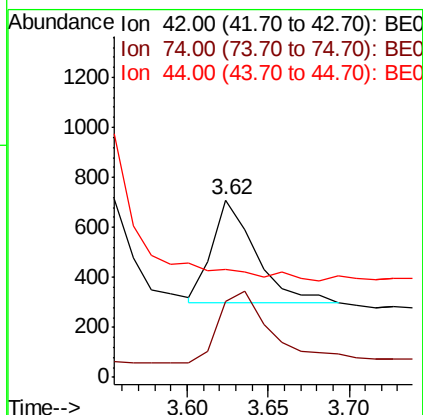
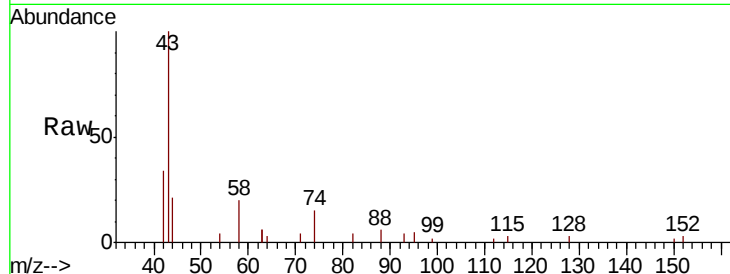


#3

n-Nitrosodimethylamine
Concen: 0.517 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.01 min
Lab File: BE098605.D
Acq: 2 Jan 2019 12:50

Instrument :
BNA_E
ClientSampleId :

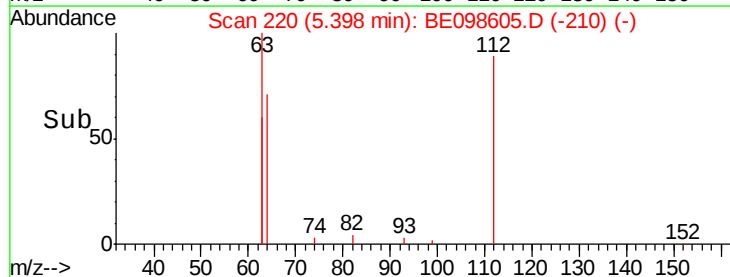
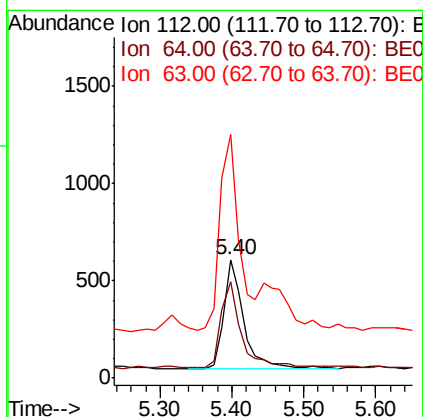
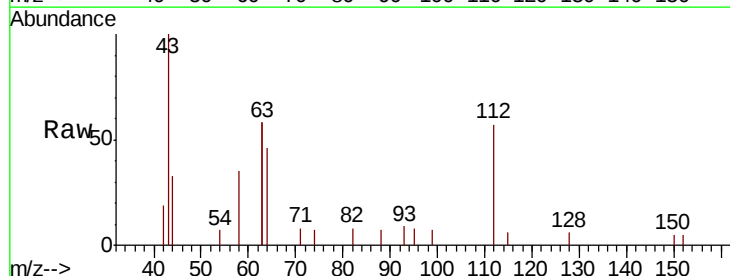
Tot Ion: 42 Resp: 764
Ion Ratio Lower Upper
42 100
74 84.7 0.0 0.0#
44 0.0 0.0 0.0



#4

2-Fluorophenol
Concen: 0.488 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE098605.D
Acq: 2 Jan 2019 12:50

Tgt Ion: 112 Resp: 1086
Ion Ratio Lower Upper
112 100
64 80.2 59.8 89.8
63 174.2 133.7 200.5





#5

Phenol-d6

Concen: 0.552 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

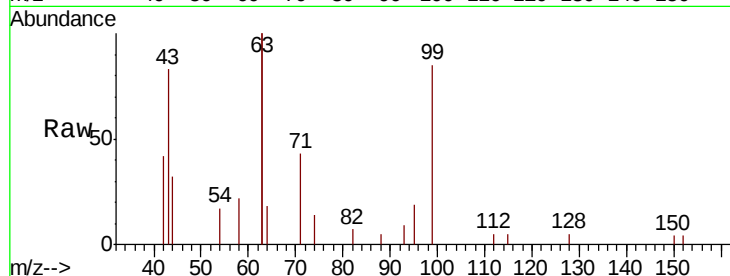
Tot Ion: 99 Resp: 1737

Ion Ratio Lower Upper

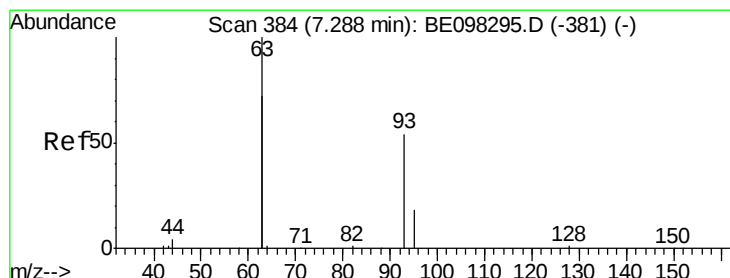
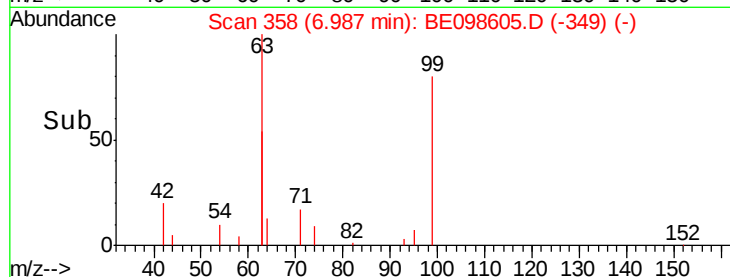
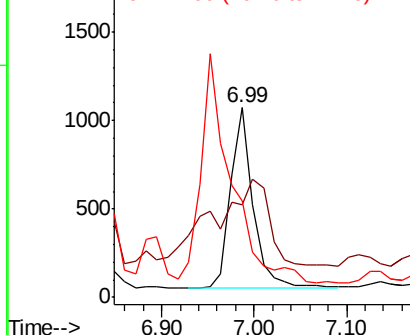
99 100

42 112.2 26.3 39.5#

71 0.0 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



#6

bis(2-Chloroethyl)ether

Concen: 0.374 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.00 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

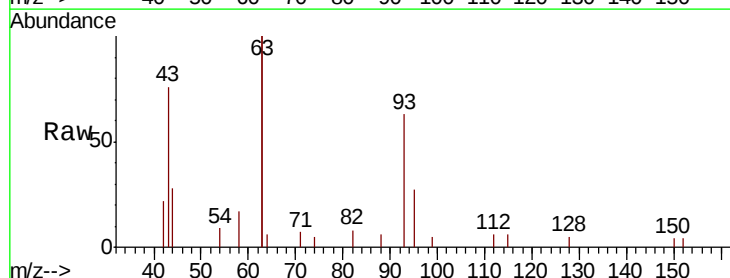
Tgt Ion: 93 Resp: 1118

Ion Ratio Lower Upper

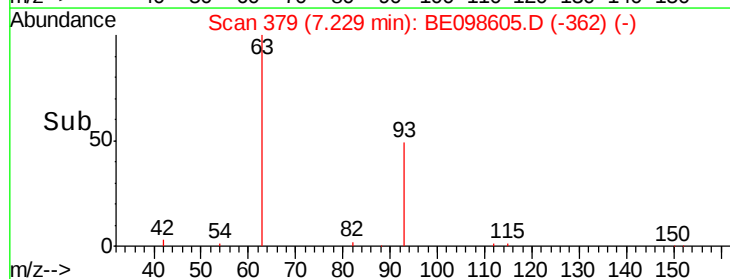
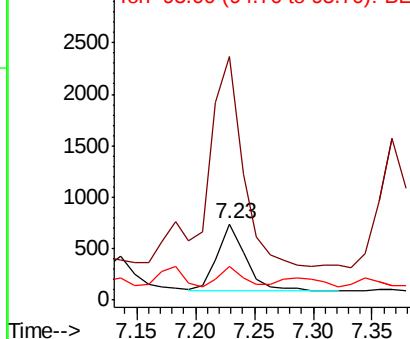
93 100

63 388.0 264.4 396.6

95 24.9 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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3748

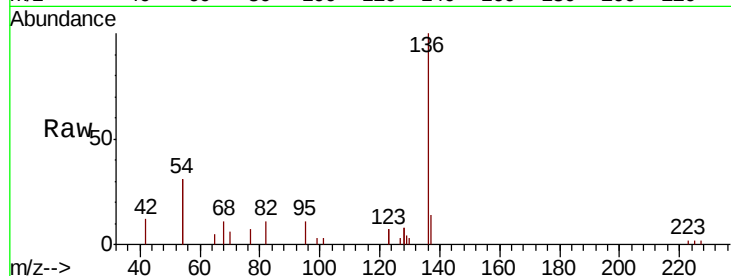
Ion Ratio Lower Upper

136 100

137 14.3 9.2 13.8#

54 61.7 28.4 42.6#

68 10.8 5.4 8.0#

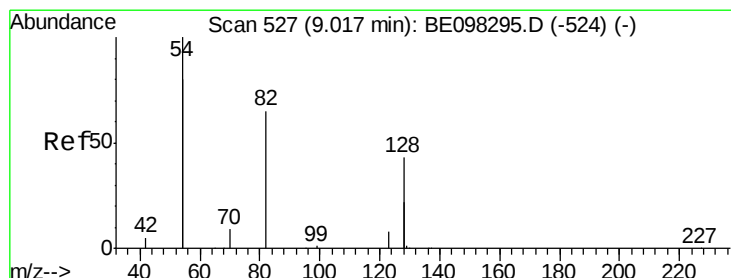
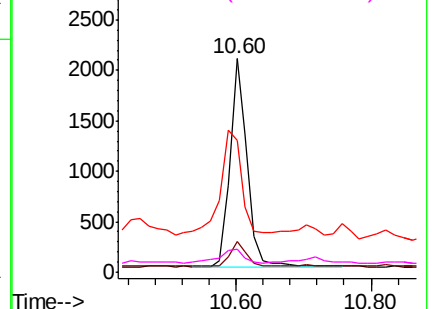
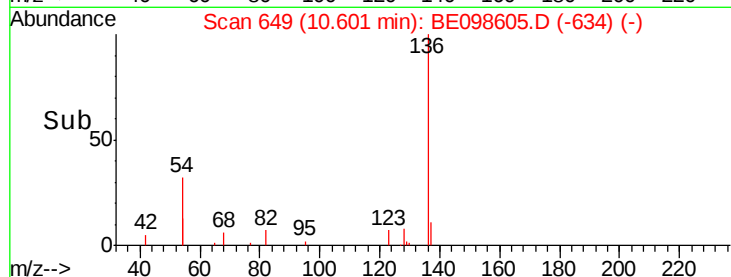


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.487 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

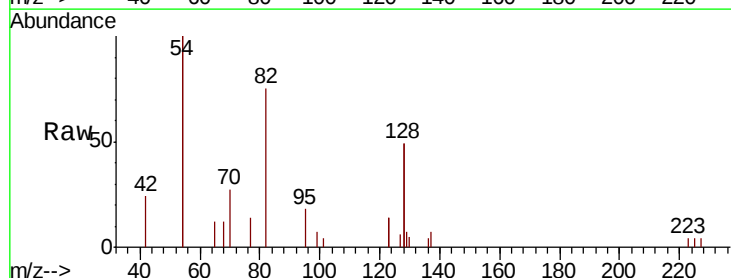
Tgt Ion: 82 Resp: 1662

Ion Ratio Lower Upper

82 100

128 131.2 102.4 153.6

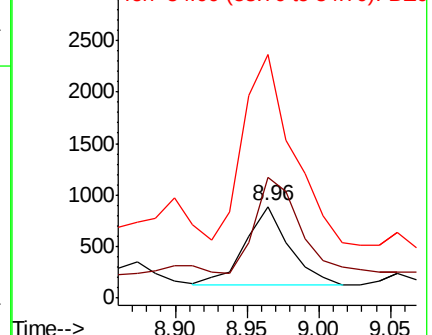
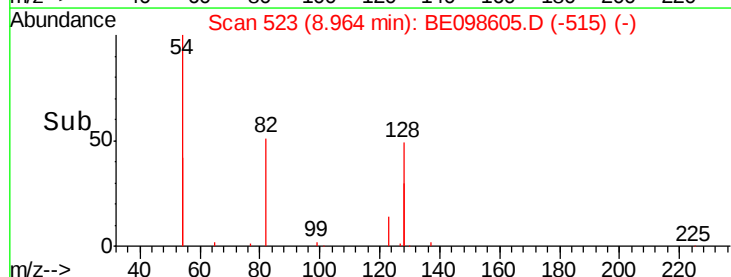
54 265.7 221.8 332.8



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: 0.569 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

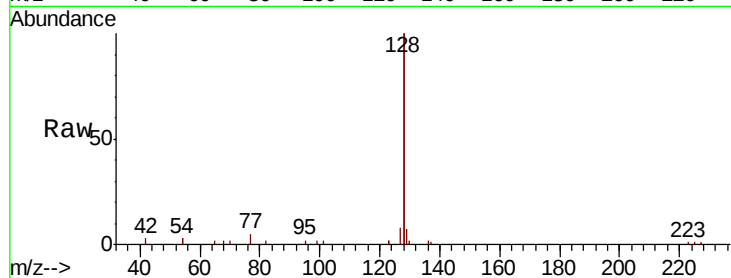
Tot Ion:128 Resp: 21474

Ion Ratio Lower Upper

128 100

129 3.6 2.5 3.7

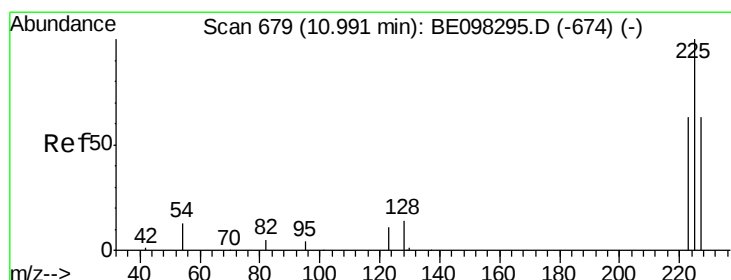
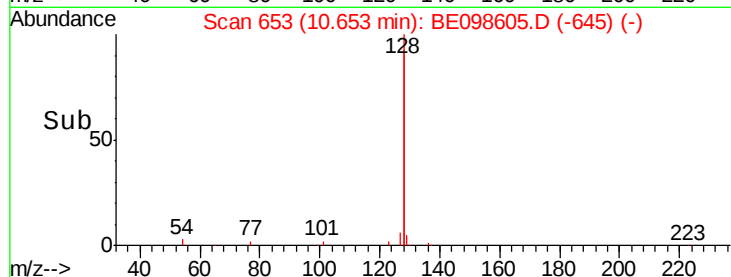
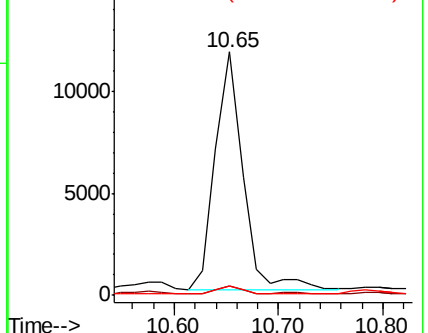
127 3.9 2.7 4.1



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: 0.383 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

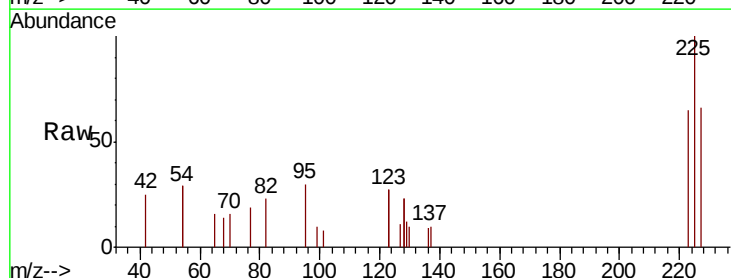
Tgt Ion:225 Resp: 920

Ion Ratio Lower Upper

225 100

223 62.0 49.4 74.0

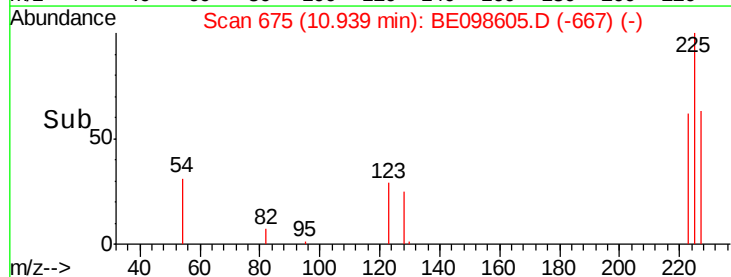
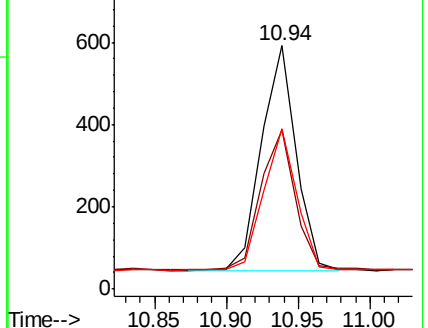
227 60.9 52.0 78.0

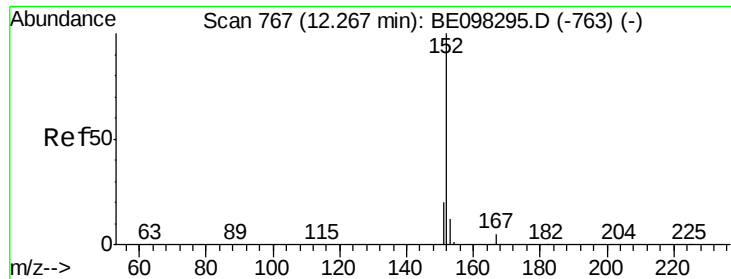


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

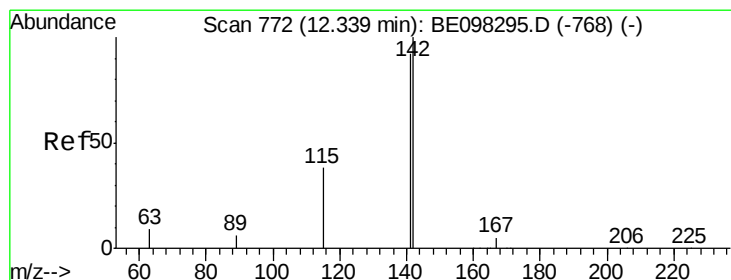
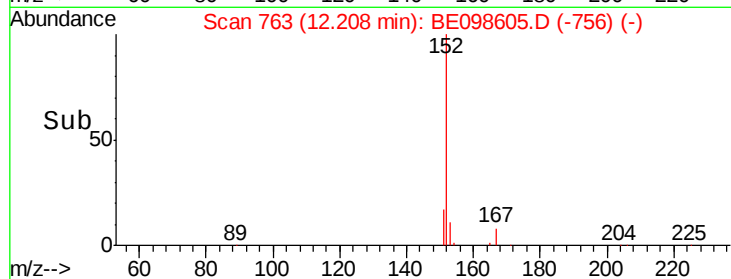
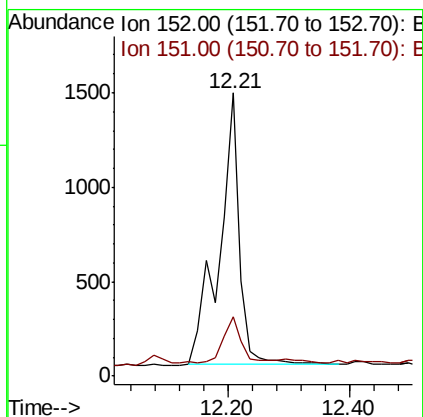
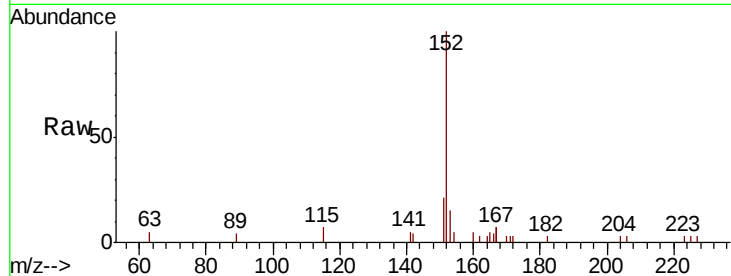




#11
 2-Methylnaphthalene-d10
 Concen: 0.554 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE098605.D
 Acq: 2 Jan 2019 12:50

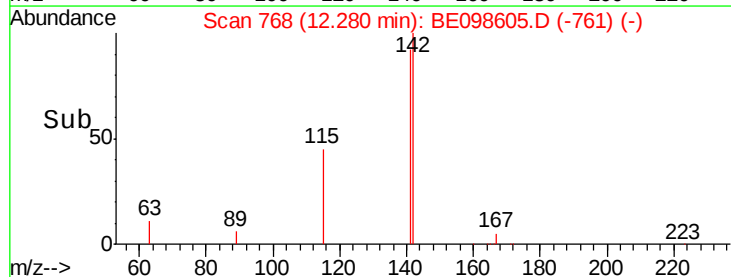
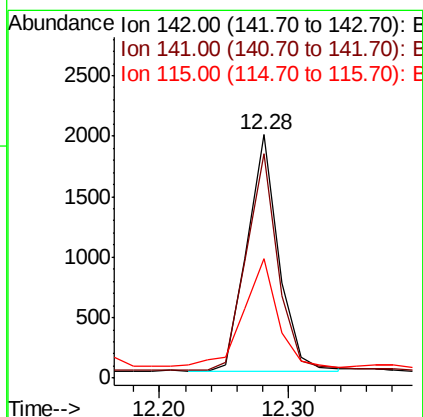
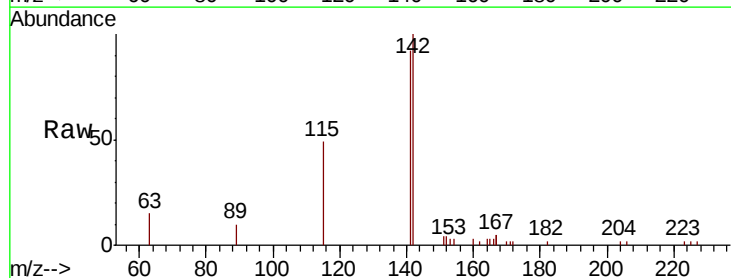
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 3376
 Ion Ratio Lower Upper
 152 100
 151 14.8 16.2 24.4#



#12
 2-Methylnaphthalene
 Concen: 0.537 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BE098605.D
 Acq: 2 Jan 2019 12:50

Tgt Ion:142 Resp: 3292
 Ion Ratio Lower Upper
 142 100
 141 92.4 71.0 106.6
 115 49.1 32.2 48.2#

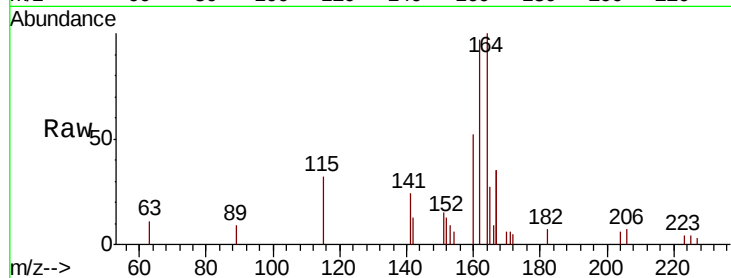




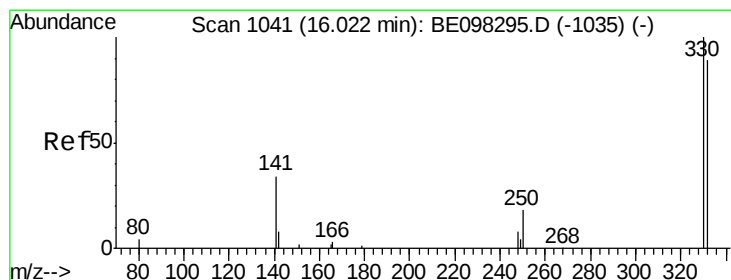
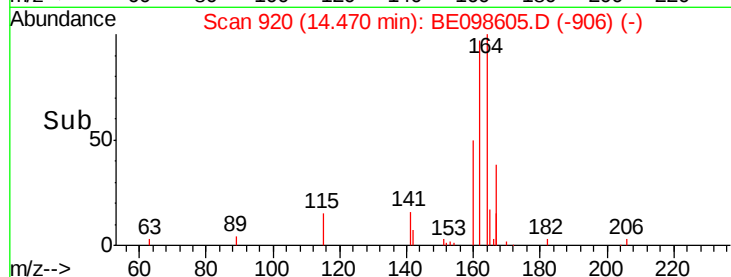
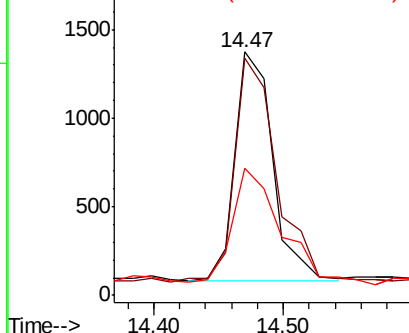
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE098605.D
Acq: 2 Jan 2019 12:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2598
Ion Ratio Lower Upper
164 100
162 97.3 77.6 116.4
160 52.1 36.0 54.0

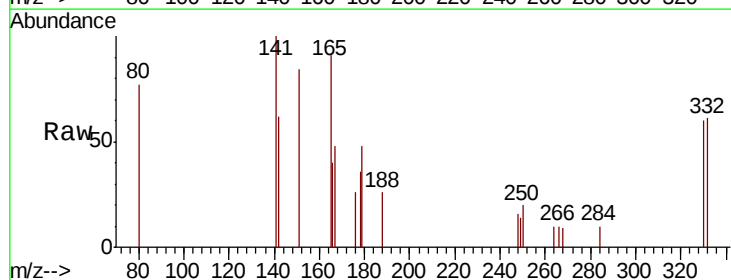


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

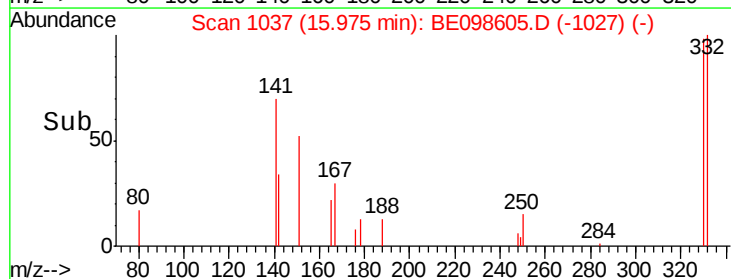
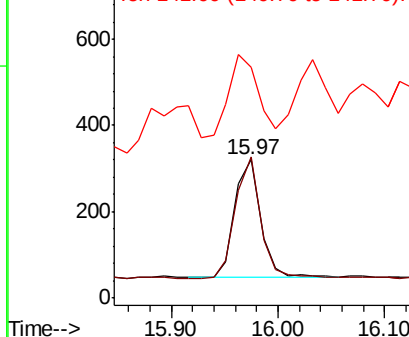


#14
2,4,6-Tribromophenol
Concen: 0.484 ng
RT: 15.97 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BE098605.D
Acq: 2 Jan 2019 12:50

Tgt Ion:330 Resp: 462
Ion Ratio Lower Upper
330 100
332 104.5 76.2 114.4
141 78.4 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

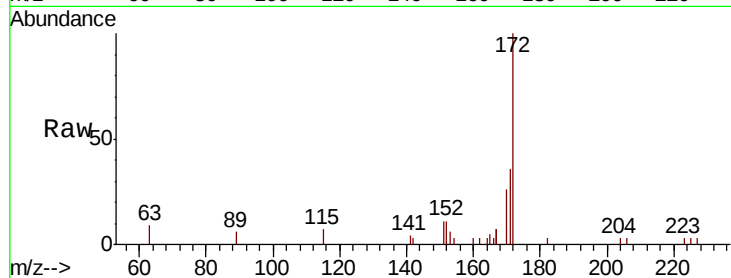




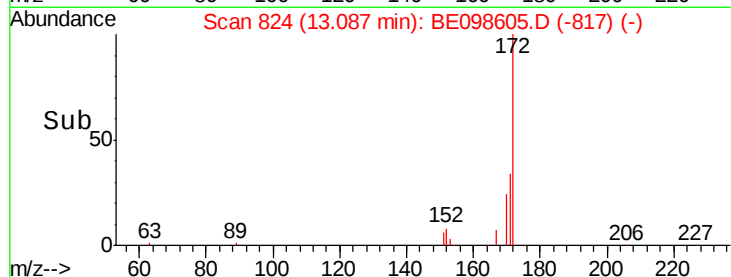
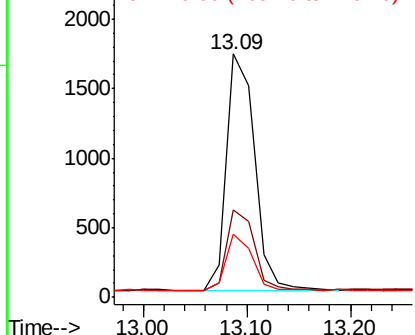
#15
2-Fluorobiphenyl
Concen: 0.295 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098605.D
Acq: 2 Jan 2019 12:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3230
Ion Ratio Lower Upper
172 100
171 35.9 27.5 41.3
170 26.2 19.6 29.4

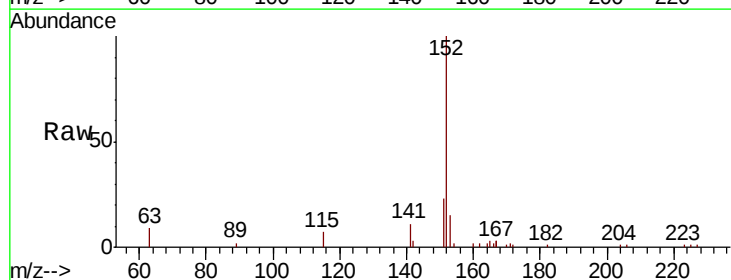


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

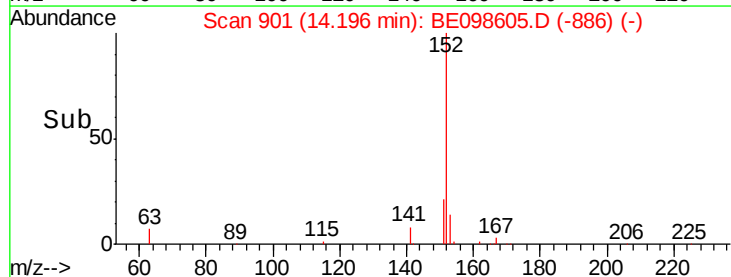
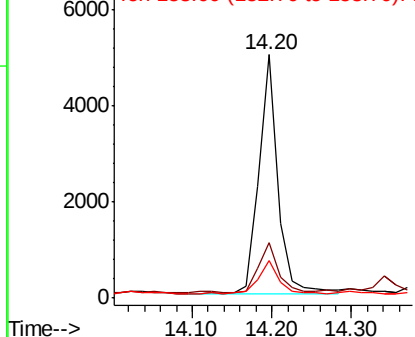


#16
Acenaphthylene
Concen: 0.683 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098605.D
Acq: 2 Jan 2019 12:50

Tgt Ion:152 Resp: 8309
Ion Ratio Lower Upper
152 100
151 20.7 15.5 23.3
153 15.1 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: 0.426 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

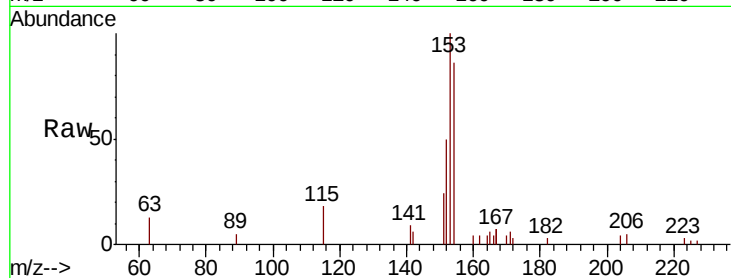
Tot Ion:154 Resp: 3116

Ion Ratio Lower Upper

154 100

153 118.7 91.8 137.6

152 54.5 45.5 68.3

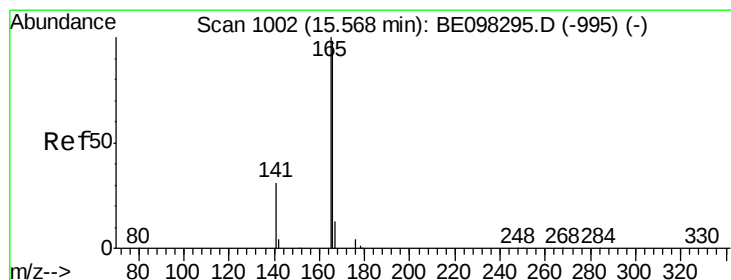
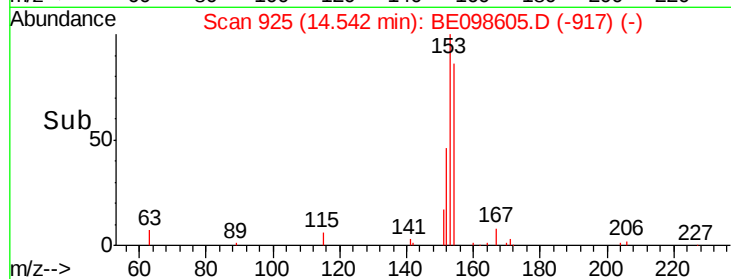
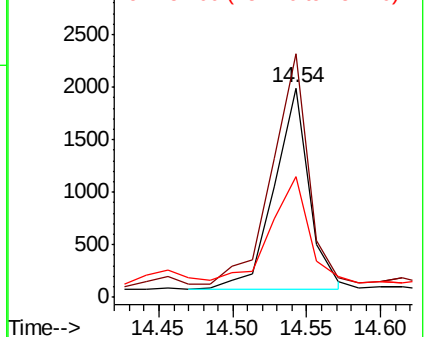


Abundance

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: 0.530 ng

RT: 15.52 min Scan# 998

Delta R.T. 0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

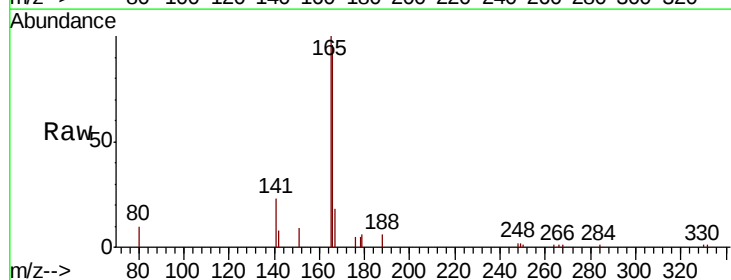
Tgt Ion:166 Resp: 5189

Ion Ratio Lower Upper

166 100

165 102.0 79.3 118.9

167 23.4 11.3 16.9#

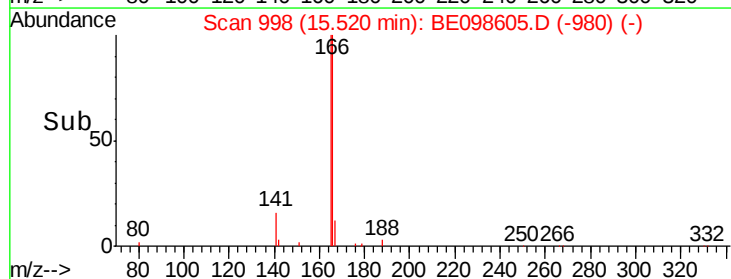
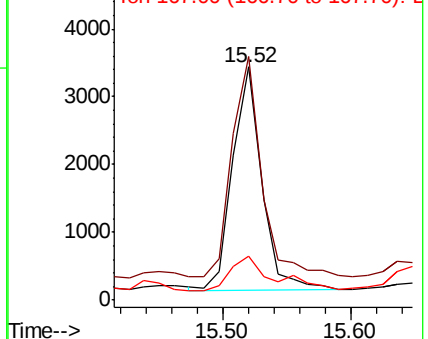


Abundance

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: 17.22 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

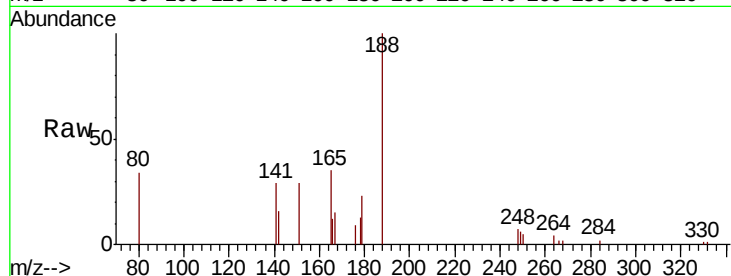
Tot Ion:188 Resp: 5486

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

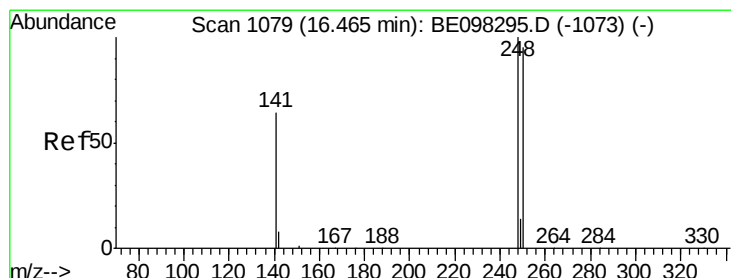
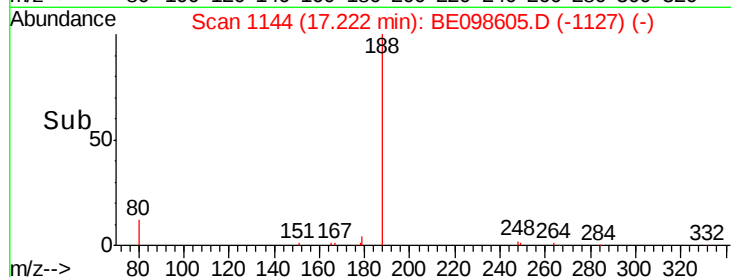
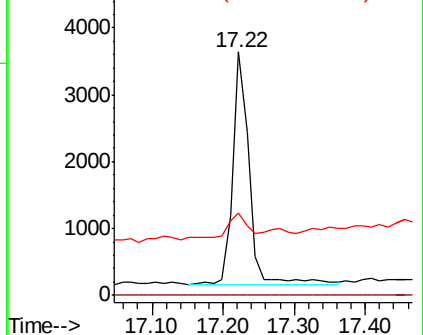
80 33.8 7.2 10.8#



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: 0.396 ng

RT: 16.42 min Scan# 1075

Delta R.T. 0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

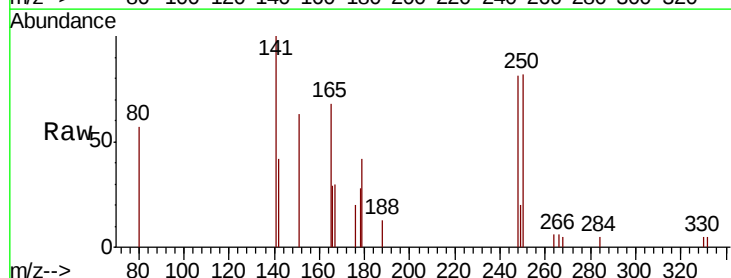
Tgt Ion:248 Resp: 1170

Ion Ratio Lower Upper

248 100

250 100.9 71.0 106.6

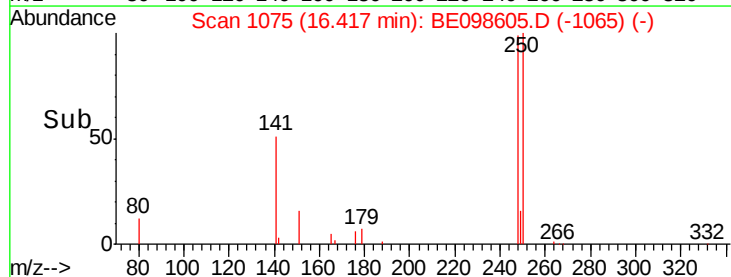
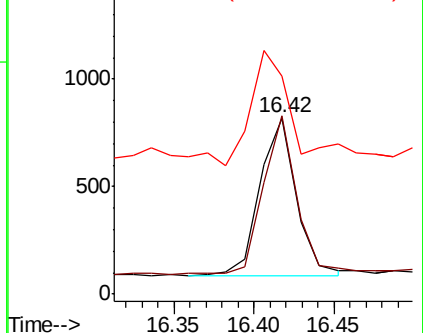
141 123.3 62.1 93.1#



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





#21

Hexachlorobenzene

Concen: 0.337 ng

RT: 16.53 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

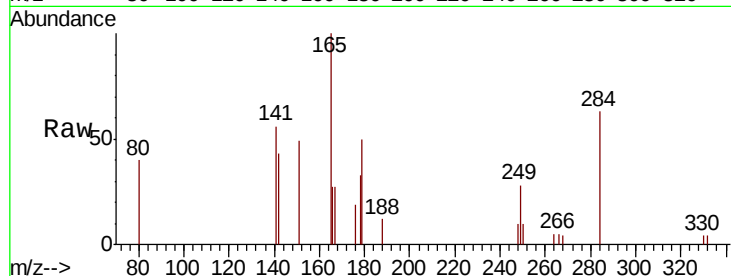
Tot Ion:284 Resp: 1071

Ion Ratio Lower Upper

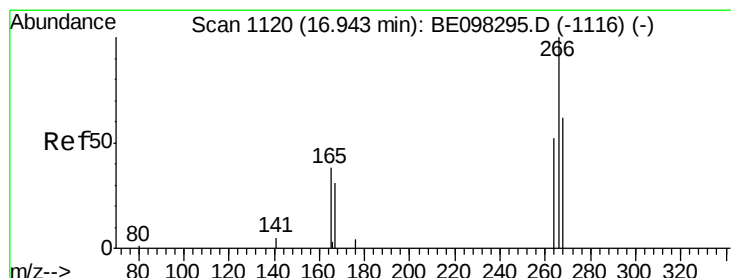
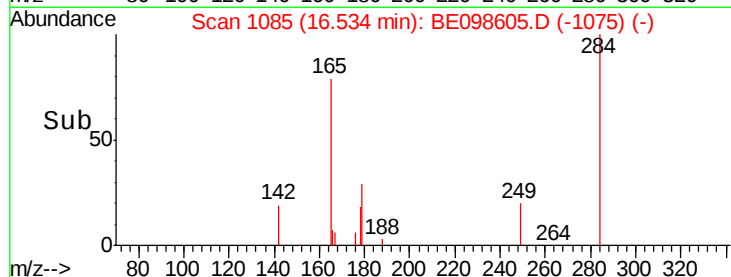
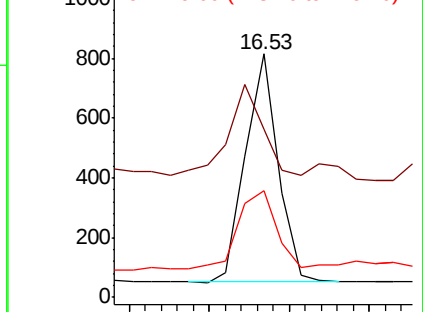
284 100

142 41.7 26.3 39.5#

249 42.4 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: 1.859 ng

RT: 16.88 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

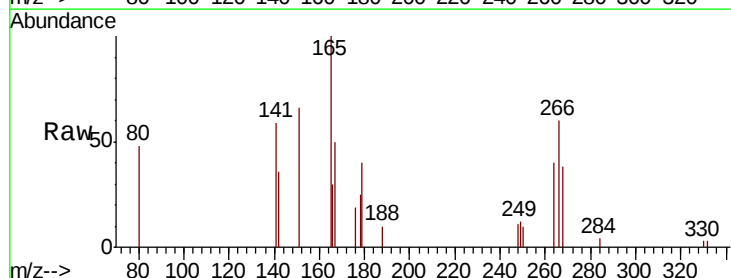
Tgt Ion:266 Resp: 1394

Ion Ratio Lower Upper

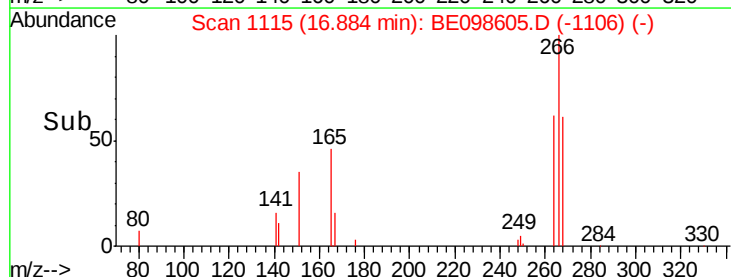
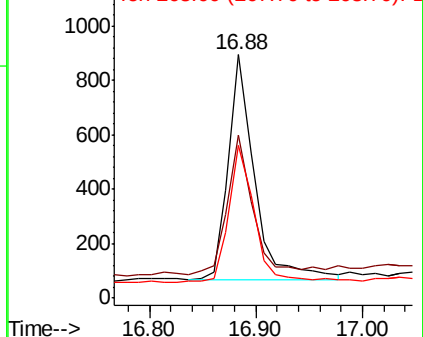
266 100

264 67.0 59.0 88.4

268 62.6 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: 0.799 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.11 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

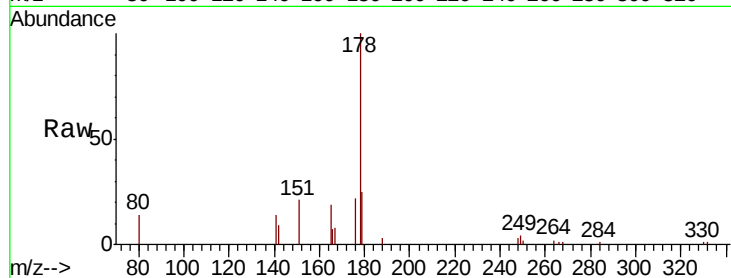
Tot Ion:178 Resp: 10646

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

179 14.8 12.3 18.5

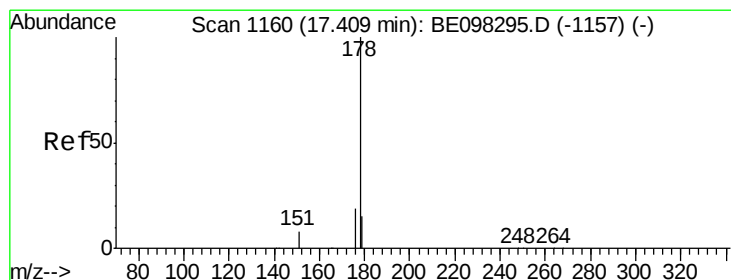
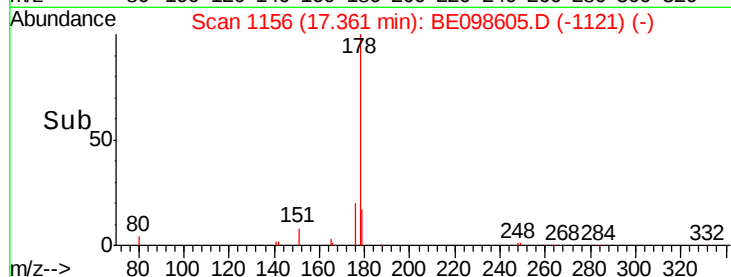
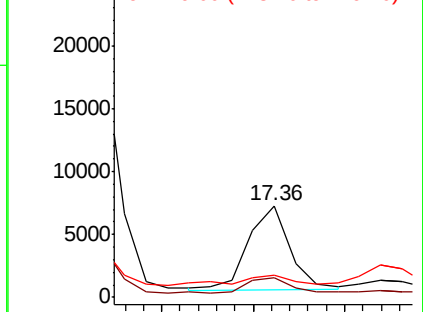


Abundance

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: 0.820 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

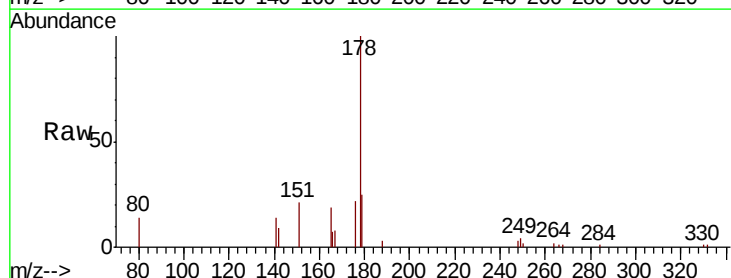
Tgt Ion:178 Resp: 9745

Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.4

179 14.8 12.3 18.5

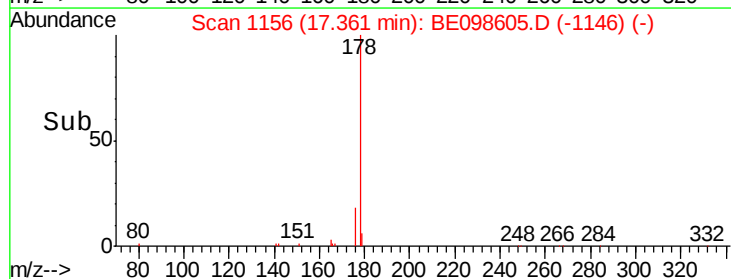
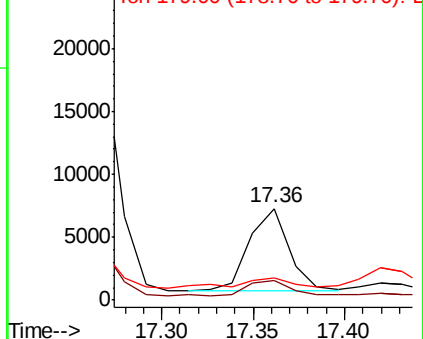


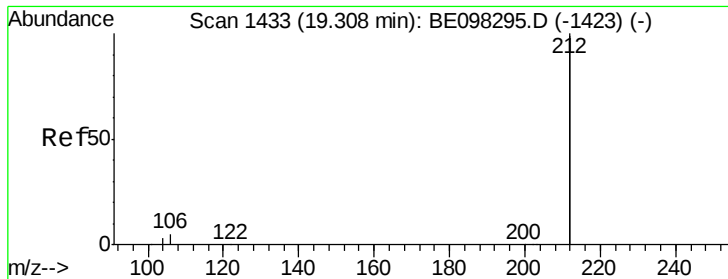
Abundance

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: 0.362 ng

RT: 19.26 min Scan# 1425

Delta R.T. 0.02 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampled :

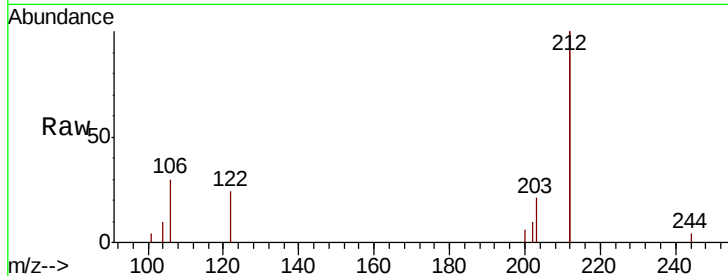
Tot Ion:212 Resp: 25502

Ion Ratio Lower Upper

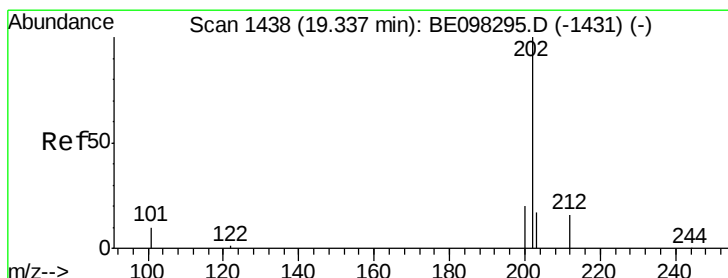
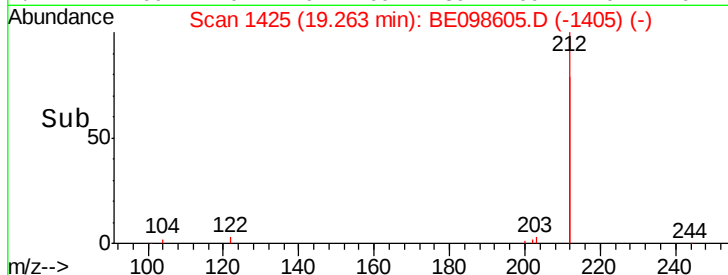
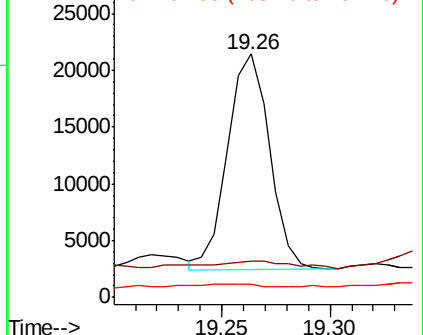
212 100

106 5.4 2.2 3.2#

104 3.2 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: 3.600 ng

RT: 19.29 min Scan# 1430

Delta R.T. 0.02 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

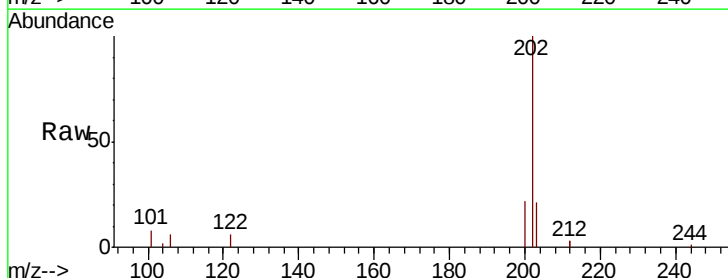
Tgt Ion:202 Resp: 63500

Ion Ratio Lower Upper

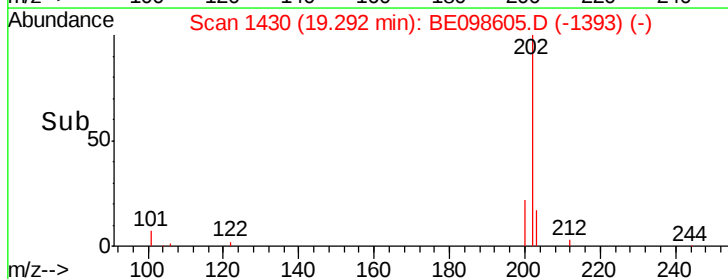
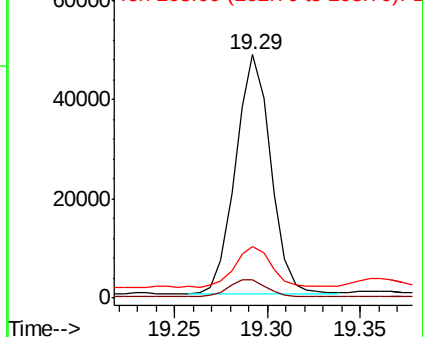
202 100

101 7.3 8.0 12.0#

203 17.1 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: 21.43 min Scan# 1668

Delta R.T. 0.02 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampled :

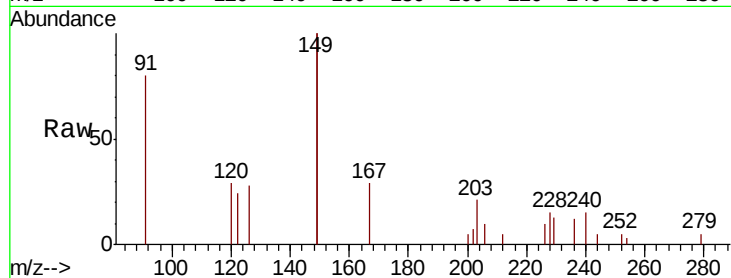
Tot Ion:240 Resp: 8335

Ion Ratio Lower Upper

240 100

120 187.9 9.5 14.3#

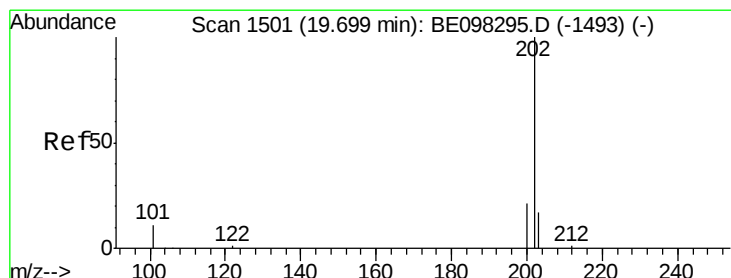
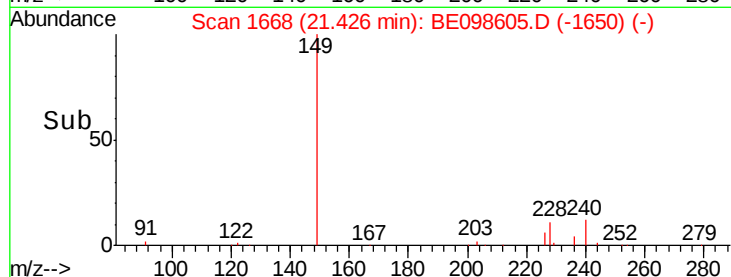
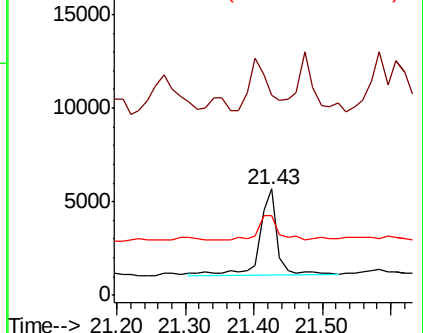
236 75.2 22.7 34.1#



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: 2.228 ng

RT: 19.65 min Scan# 1493

Delta R.T. 0.02 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

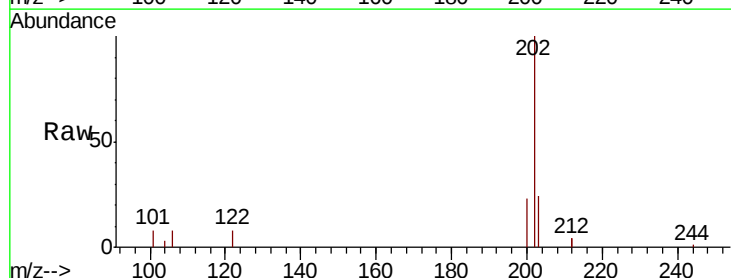
Tgt Ion:202 Resp: 58273

Ion Ratio Lower Upper

202 100

200 22.0 16.7 25.1

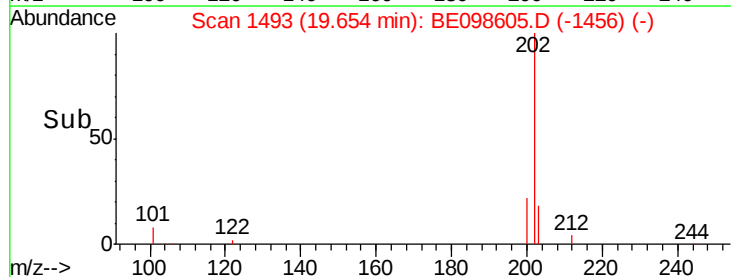
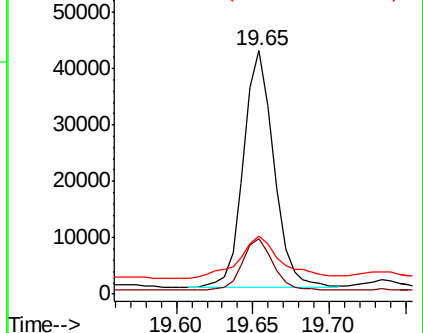
203 23.9 14.1 21.1#



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: 0.274 ng

RT: 19.86 min Scan# 1529

Delta R.T. 0.02 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

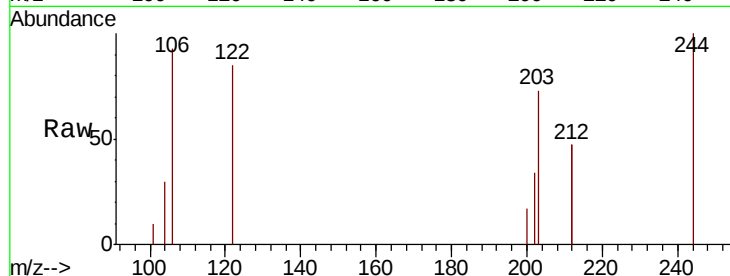
Tot Ion:244 Resp: 5555

Ion Ratio Lower Upper

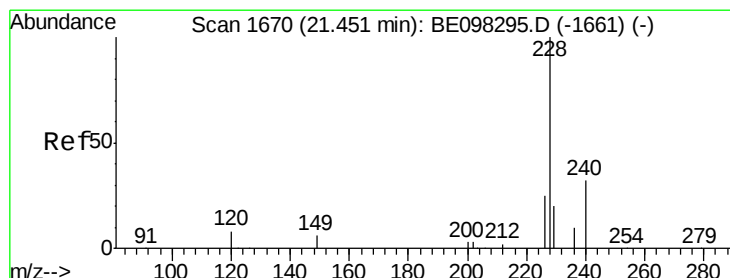
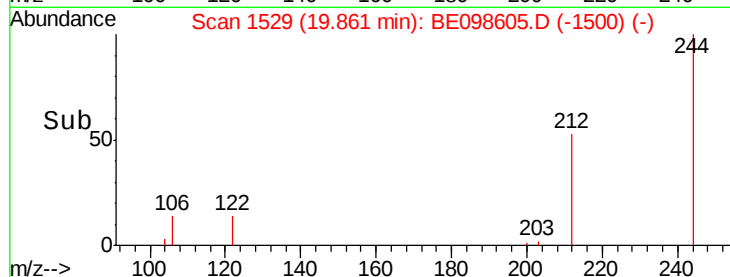
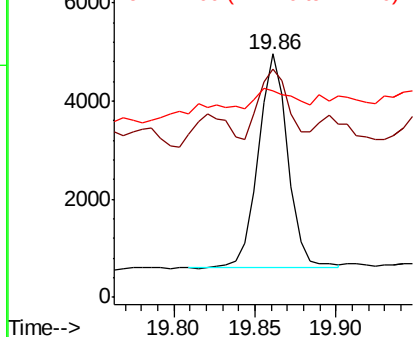
244 100

212 93.6 27.4 41.0#

122 84.9 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: 1.766 ng

RT: 21.40 min Scan# 1666

Delta R.T. 0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

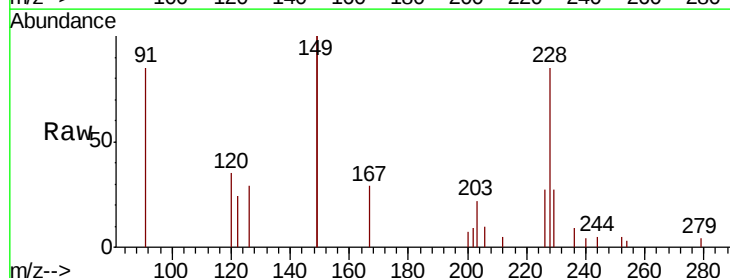
Tgt Ion:228 Resp: 41917

Ion Ratio Lower Upper

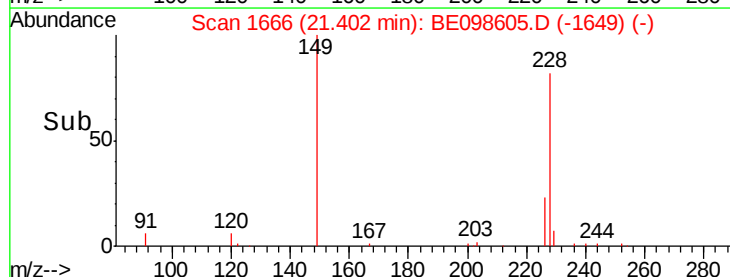
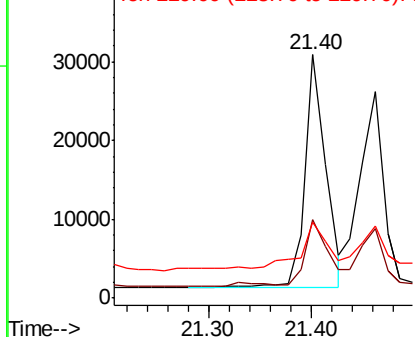
228 100

226 32.0 21.8 32.8

229 31.3 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: 1.577 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.02 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

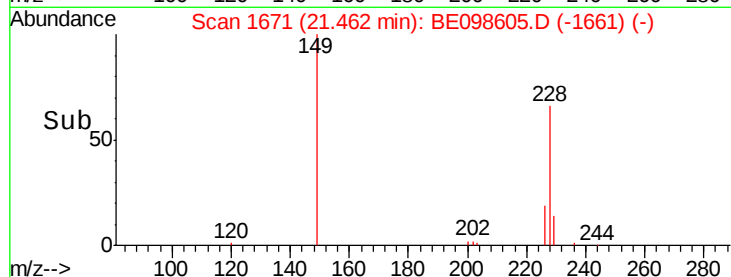
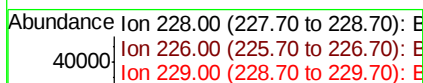
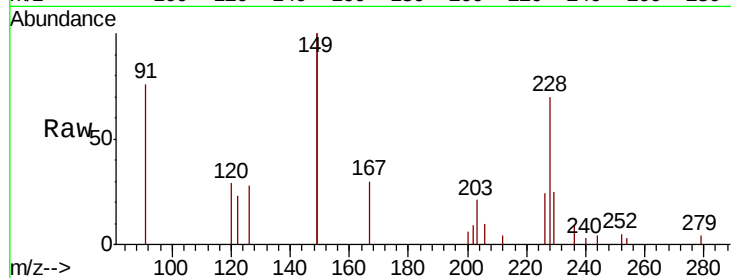
Tot Ion:228 Resp: 39209

Ion Ratio Lower Upper

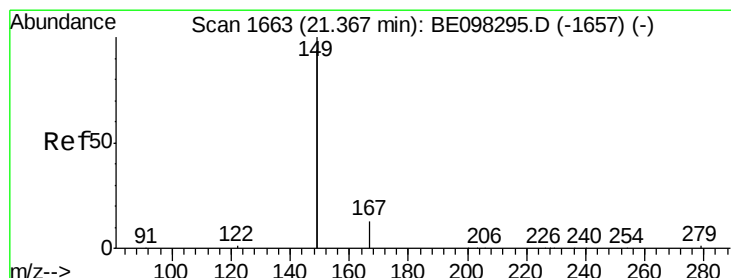
228 100

226 34.0 23.4 35.0

229 35.0 16.2 24.4#



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.562 ng

RT: 21.33 min Scan# 1660

Delta R.T. 0.02 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

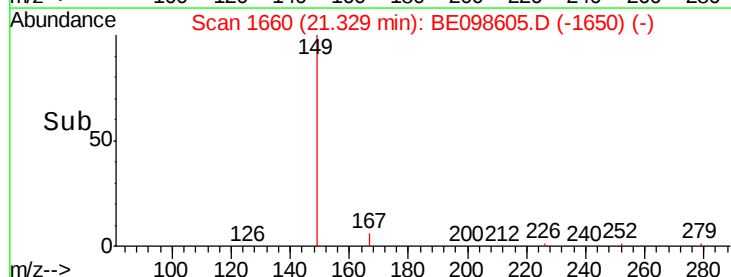
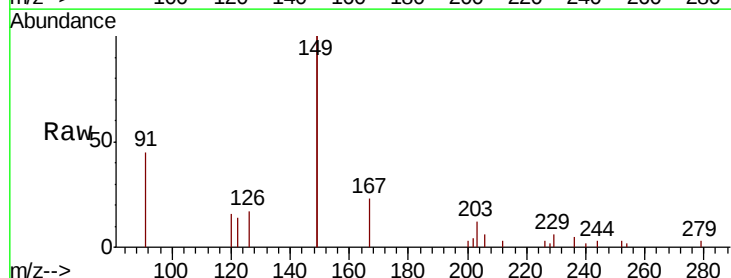
Tgt Ion:149 Resp: 75307

Ion Ratio Lower Upper

149 100

167 8.9 5.7 8.5#

279 1.5 1.0 1.4#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.974 ng

RT: 26.61 min Scan# 2997

Delta R.T. -0.03 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampled :

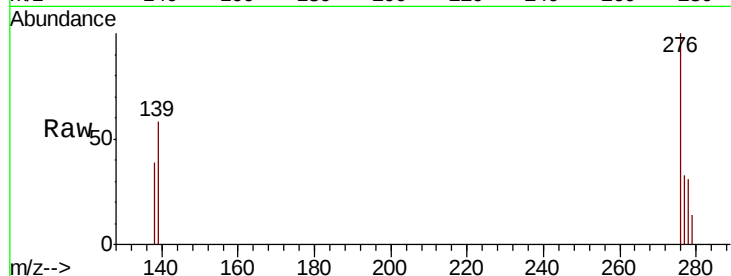
Tot Ion:276 Resp: 24088

Ion Ratio Lower Upper

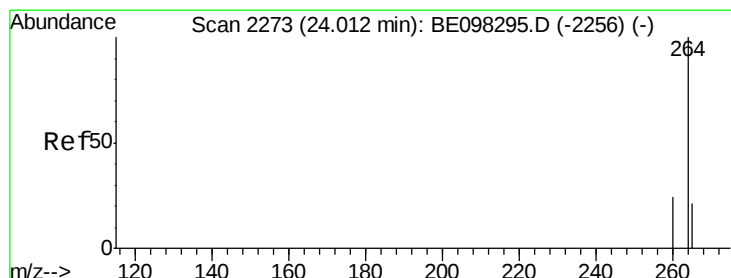
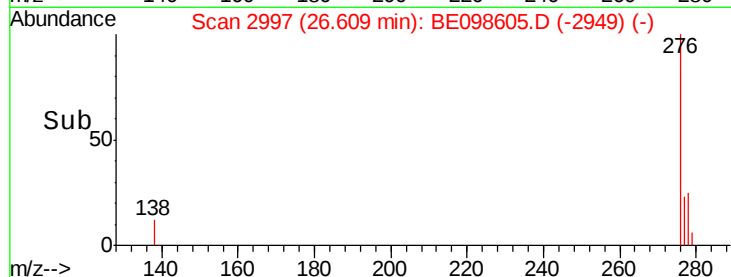
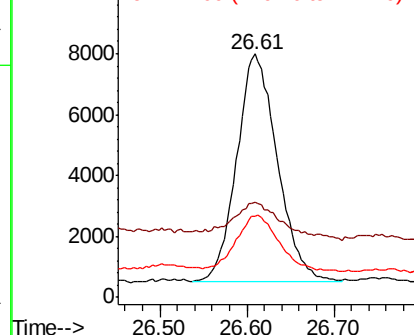
276 100

138 14.8 16.3 24.5#

277 25.8 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: 23.95 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

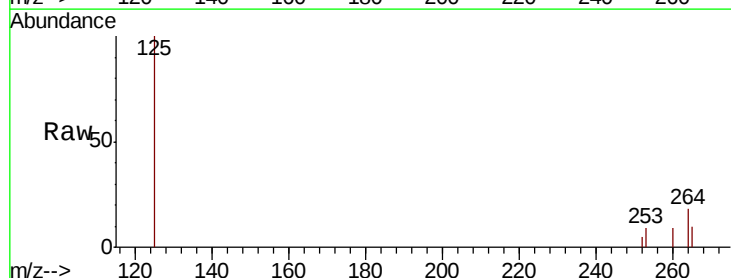
Tgt Ion:264 Resp: 6956

Ion Ratio Lower Upper

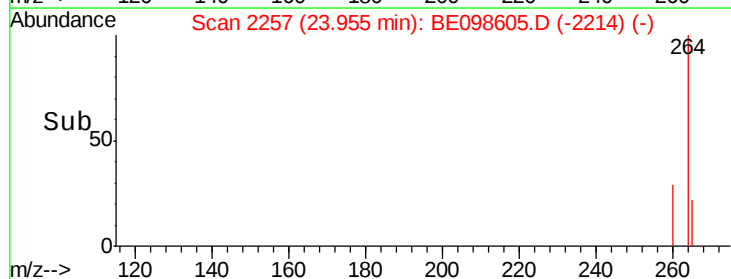
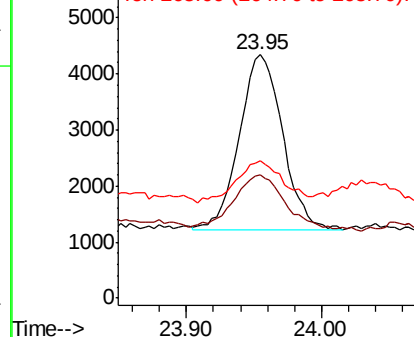
264 100

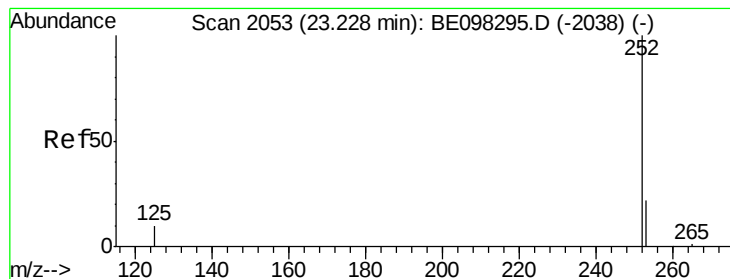
260 50.7 20.2 30.2#

265 56.6 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: 2.518 ng

RT: 23.18 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

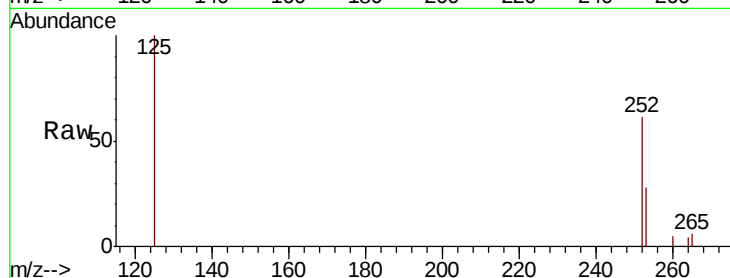
Tot Ion:252 Resp: 47901

Ion Ratio Lower Upper

252 100

253 45.8 20.0 30.0#

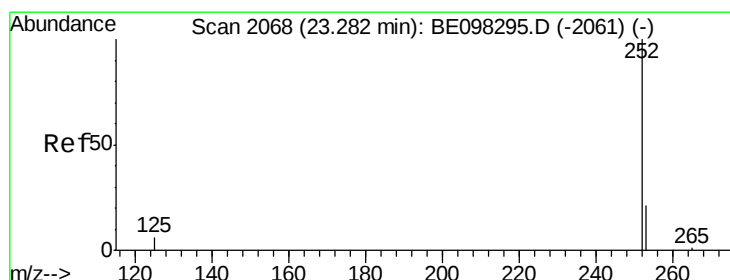
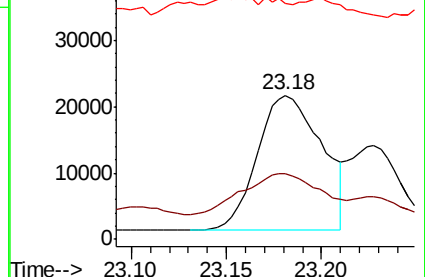
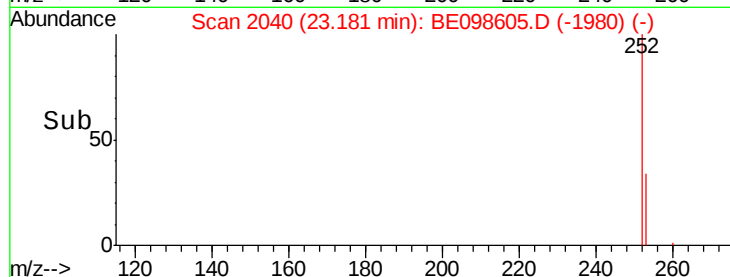
125 163.7 9.6 14.4#



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: 2.162 ng

RT: 23.18 min Scan# 2040

Delta R.T. -0.04 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

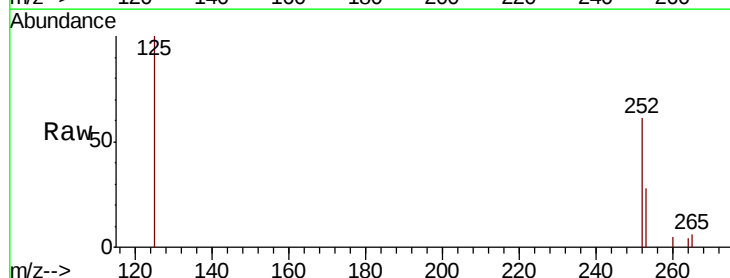
Tgt Ion:252 Resp: 47901

Ion Ratio Lower Upper

252 100

253 45.8 19.0 28.6#

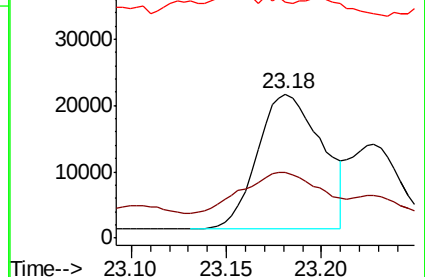
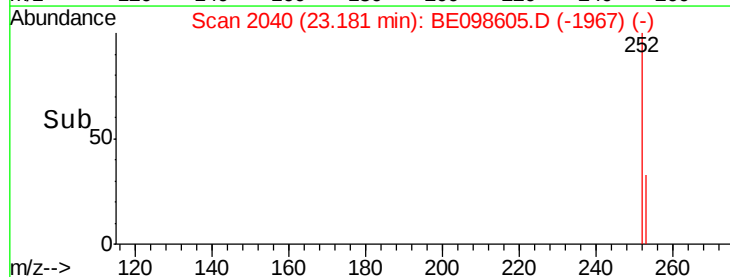
125 163.7 9.1 13.7#

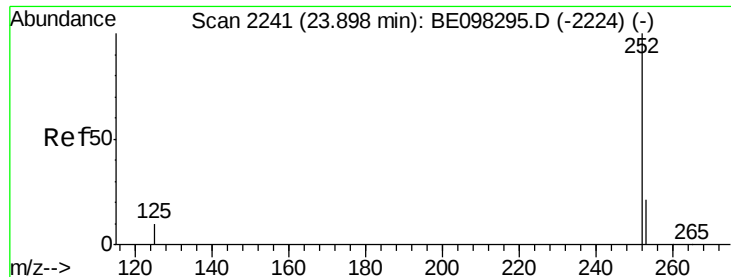


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.772 ng

RT: 23.84 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :

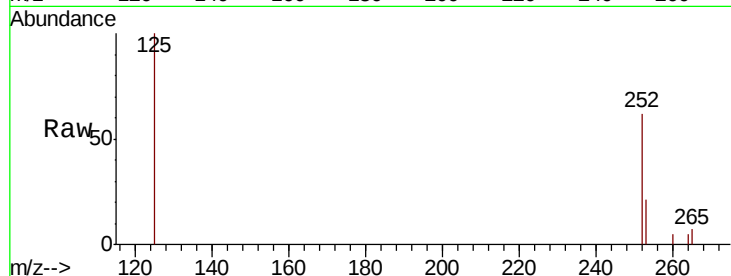
Tot Ion:252 Resp: 34770

Ion Ratio Lower Upper

252 100

253 34.2 20.6 30.8#

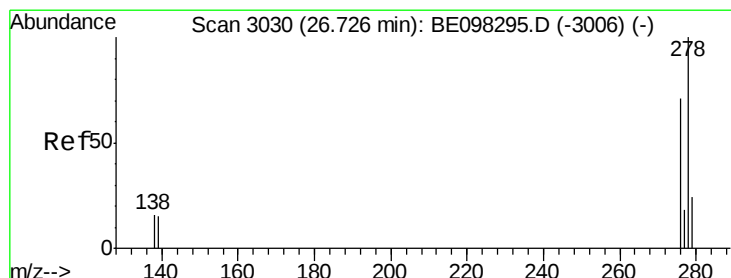
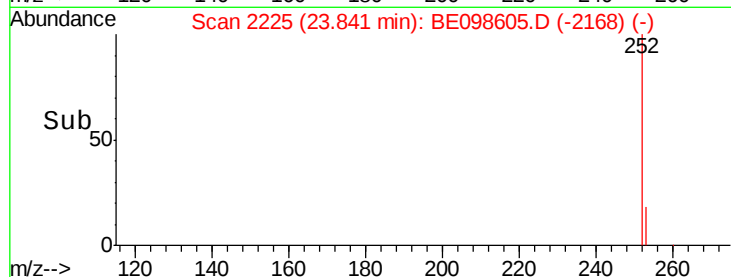
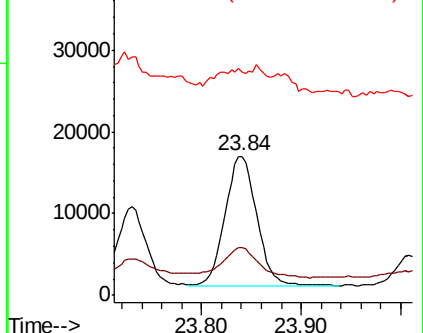
125 160.6 10.5 15.7#



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: 0.536 ng

RT: 26.63 min Scan# 3004

Delta R.T. -0.03 min

Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

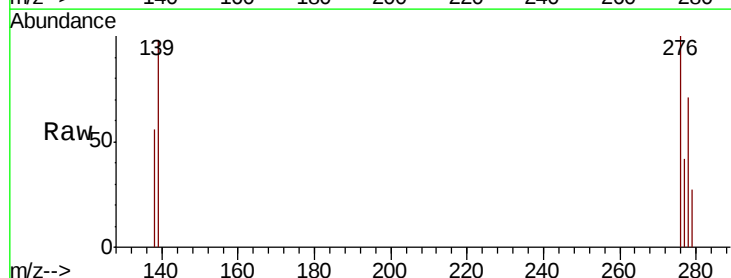
Tgt Ion:278 Resp: 9908

Ion Ratio Lower Upper

278 100

139 137.9 14.5 21.7#

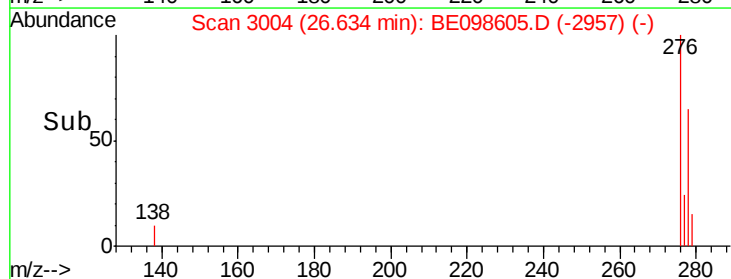
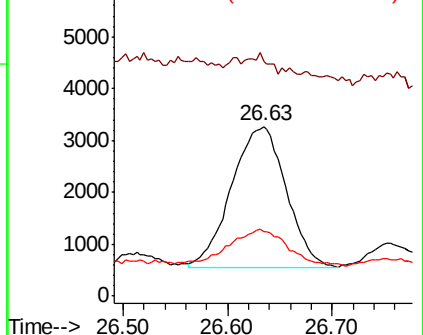
279 37.8 21.8 32.8#



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: 1.169 ng

RT: 27.43 min Scan# 3226

Delta R.T. -0.04 min

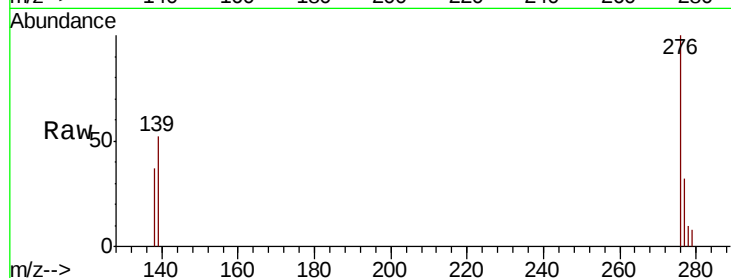
Lab File: BE098605.D

Acq: 2 Jan 2019 12:50

Instrument :

BNA_E

ClientSampleId :



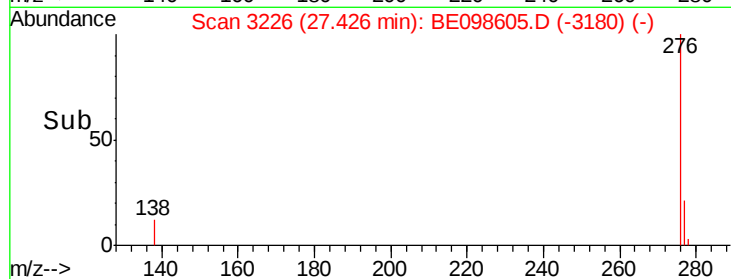
Tot Ion:276 Resp: 21782

Ion Ratio Lower Upper

276 100

277 32.4 20.8 31.2#

138 36.8 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

