

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110818\
 Data File : BE098171.D
 Acq On : 7 Nov 2018 13:23
 Operator : SJ/JU
 Sample : J5820-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C19013081

Quant Time: Nov 07 16:26:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 13:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1010	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4798	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4661	0.40	ng	-0.01
19) Phenanthrene-d10	17.28	188	7894	0.40	ng	0.00
27) Chrysene-d12	21.46	240	8885	0.40	ng	0.00
34) Perylene-d12	24.01	264	8596	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	522	0.17	ng	0.00
5) Phenol-d6	7.04	99	520	0.11	ng	0.00
8) Nitrobenzene-d5	9.02	82	2074	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.27	152	3294	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	887	0.40	ng	-0.01
15) 2-Fluorobiphenyl	13.15	172	6757	0.35	ng	-0.01
25) Fluoranthene-d10	19.31	212	41313	0.41	ng	0.00
29) Terphenyl-d14	19.91	244	12422	0.60	ng	0.00

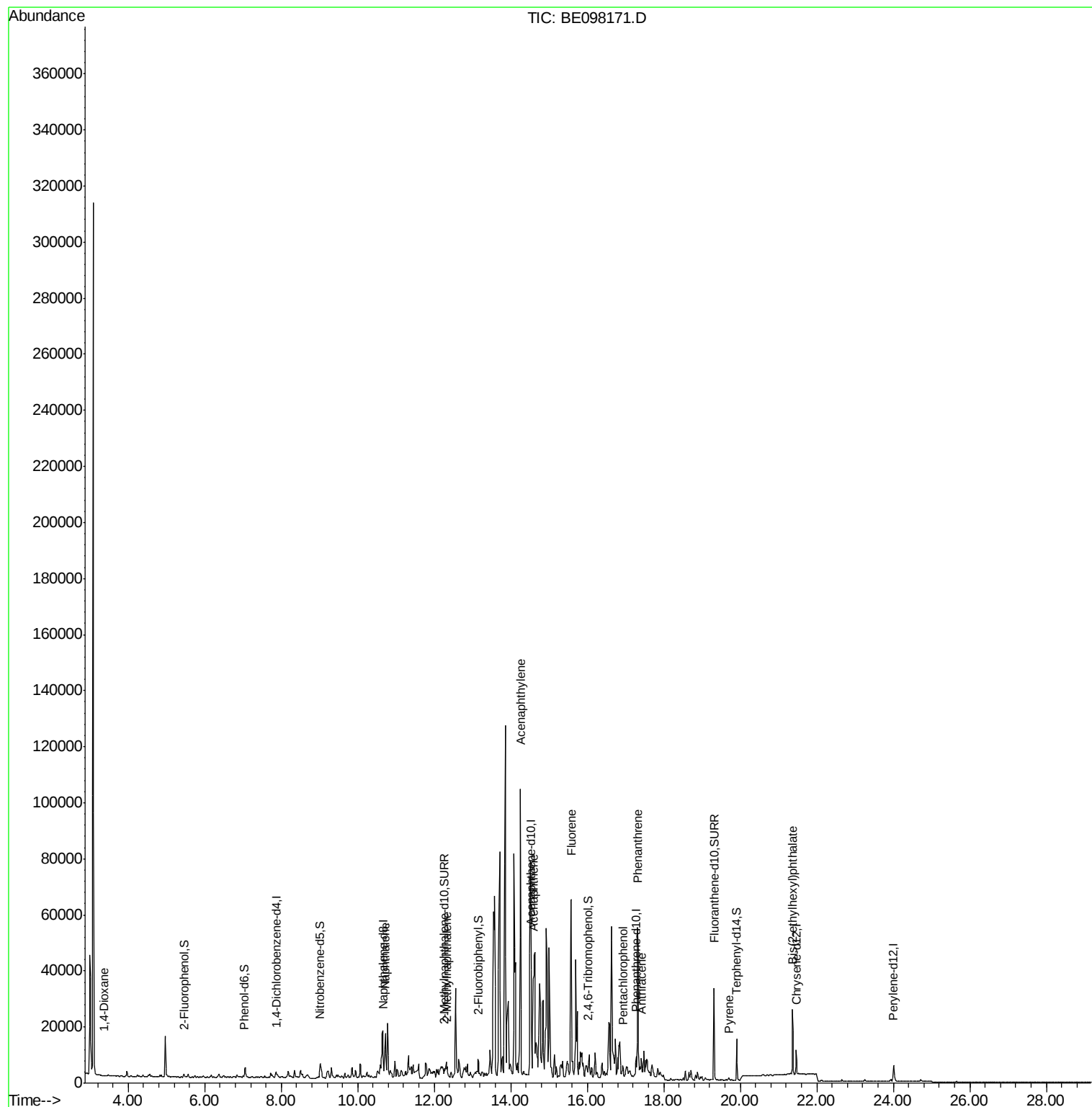
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	54	0.036	ng	# 71
9) Naphthalene	10.72	128	18338	0.382	ng	# 76
12) 2-Methylnaphthalene	12.34	142	2262	0.264	ng	# 75
16) Acenaphthylene	14.25	152	10946	0.515	ng	# 1
17) Acenaphthene	14.60	154	16825	1.318	ng	# 78
18) Fluorene	15.58	166	49824	2.941	ng	# 92
22) Pentachlorophenol	16.94	266	43	0.163	ng	# 57
23) Phenanthrene	17.32	178	58709	3.002	ng	# 96
24) Anthracene	17.41	178	5640	0.303	ng	# 83
28) Pyrene	19.70	202	982	0.040	ng	# 82
32) Bis(2-ethylhexyl)phthalate	21.37	149	28401	0.345	ng	100

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

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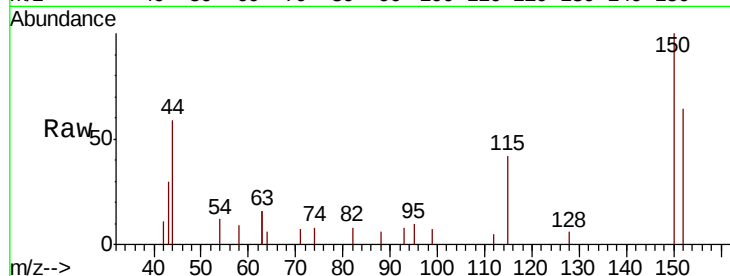


#1

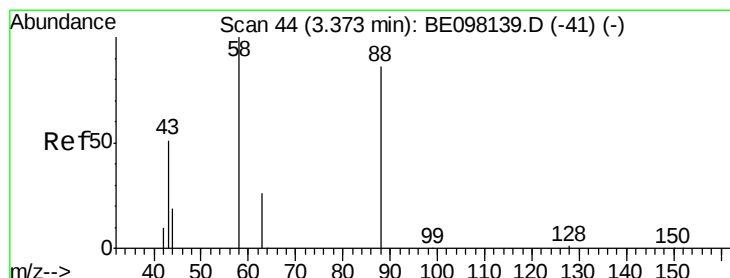
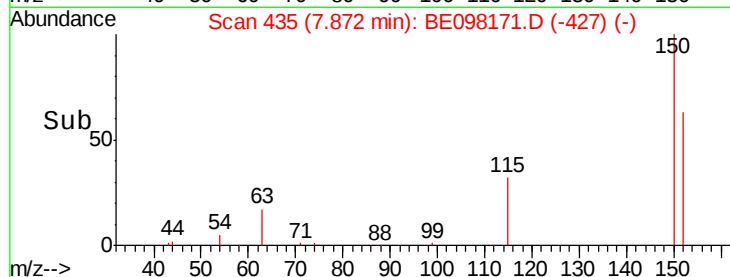
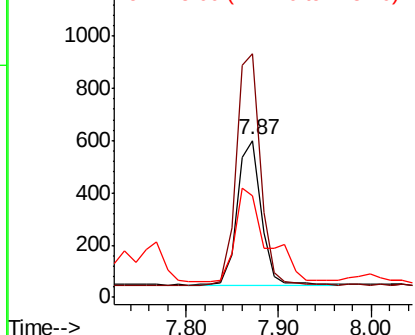
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098171.D
Acq: 7 Nov 2018 13:23

Instrument :
BNA_E
ClientSampleId :
C19013081

Tot Ion:152 Resp: 1010
Ion Ratio Lower Upper
152 100
150 155.1 118.2 177.4
115 65.1 50.9 76.3



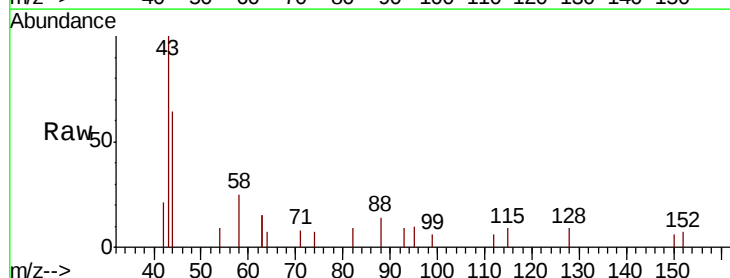
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



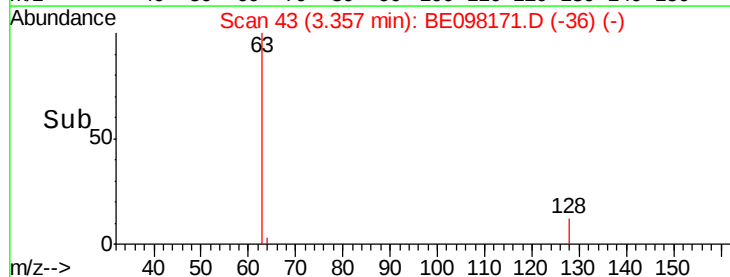
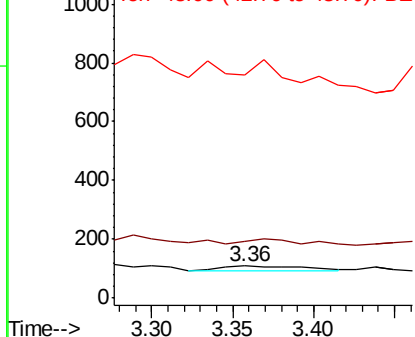
#2

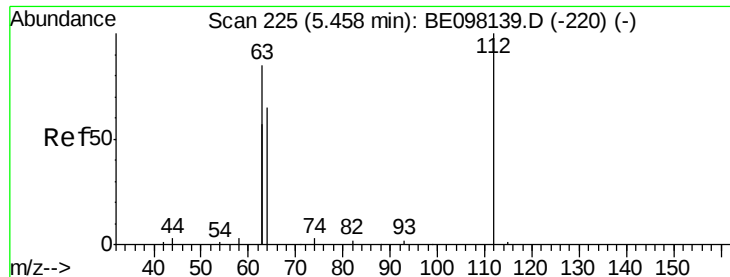
1,4-Dioxane
Concen: 0.036 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.02 min
Lab File: BE098171.D
Acq: 7 Nov 2018 13:23

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
58 100.0 73.2 109.8
43 0.0 36.9 55.3#



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





#4

2-Fluorophenol

Concen: 0.174 ng

RT: 5.45 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

BNA_E

ClientSampleId :

C19013081

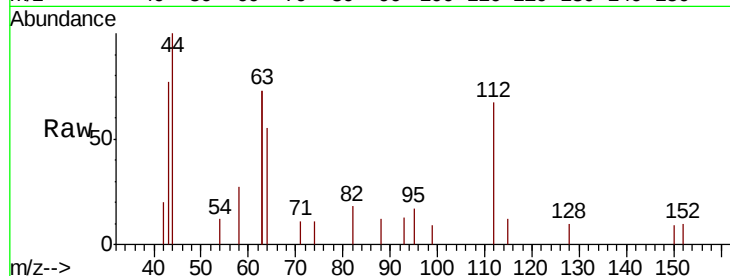
Tot Ion:112 Resp: 522

Ion Ratio Lower Upper

112 100

64 82.6 58.9 88.3

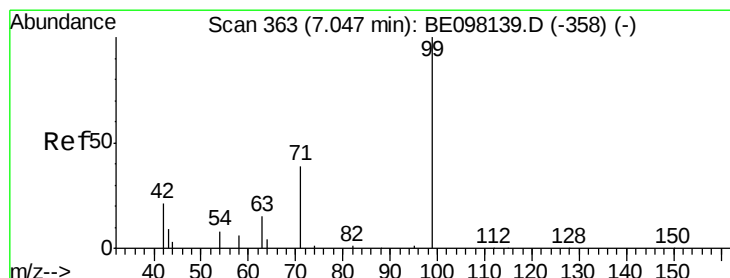
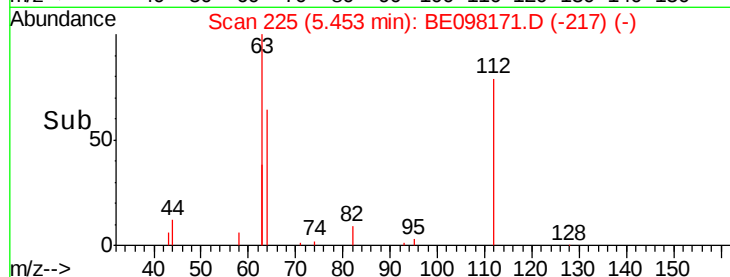
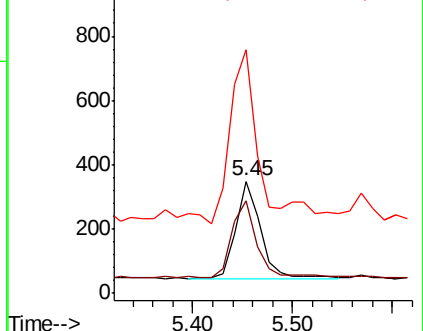
63 158.0 120.3 180.5



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.105 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

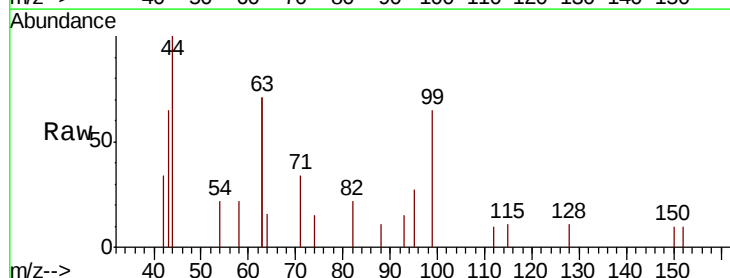
Tgt Ion: 99 Resp: 520

Ion Ratio Lower Upper

99 100

42 87.3 19.9 29.9#

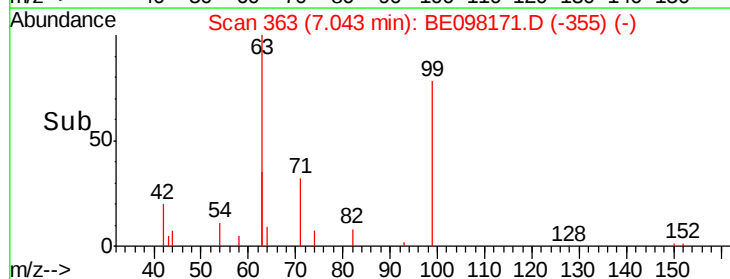
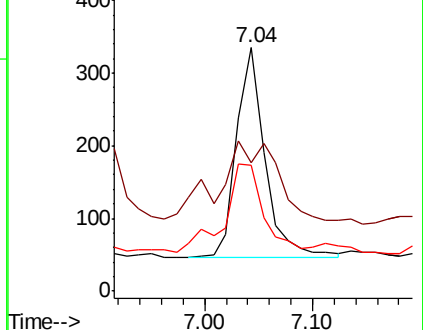
71 57.7 27.8 41.8#

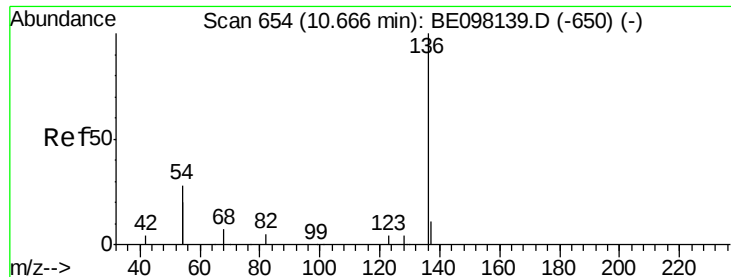


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

BNA_E

ClientSampleId :

C19013081

Tot Ion:136 Resp: 4798

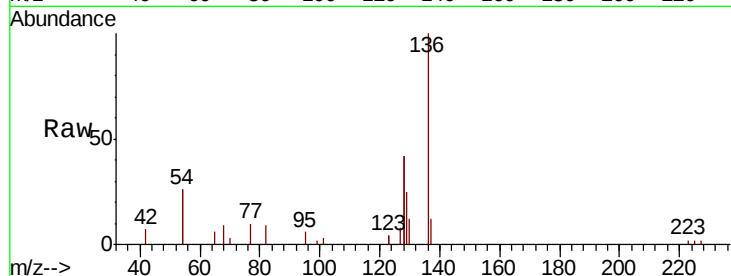
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 51.5 27.7 41.5#

68 8.9 5.3 7.9#

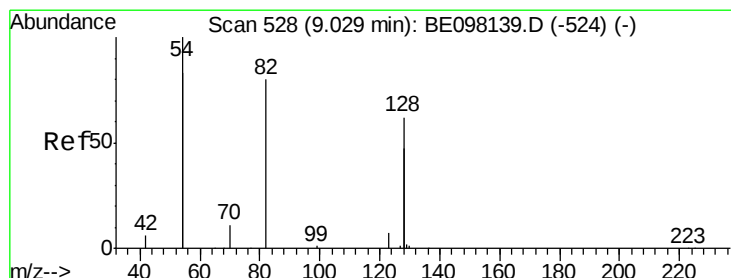
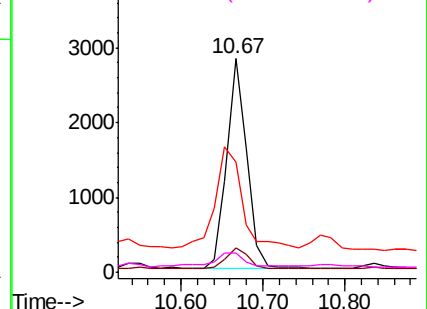
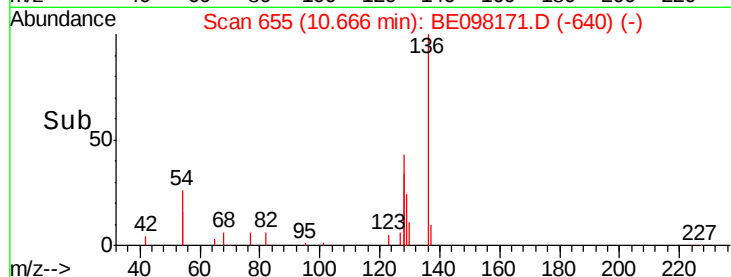


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.403 ng

RT: 9.02 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

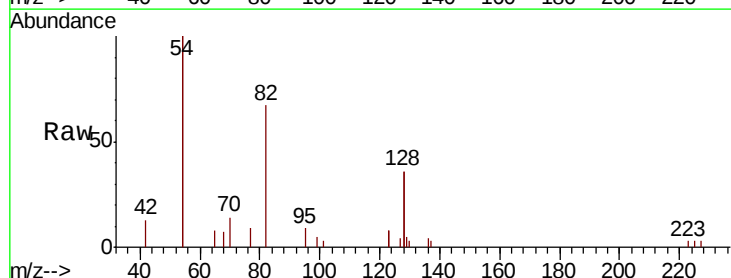
Tgt Ion: 82 Resp: 2074

Ion Ratio Lower Upper

82 100

128 107.1 129.9 194.9#

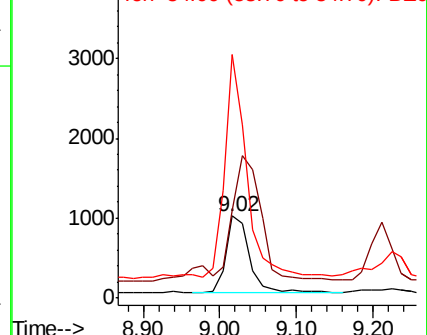
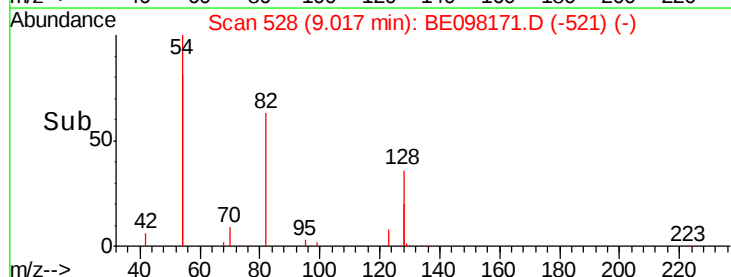
54 297.4 174.0 261.0#

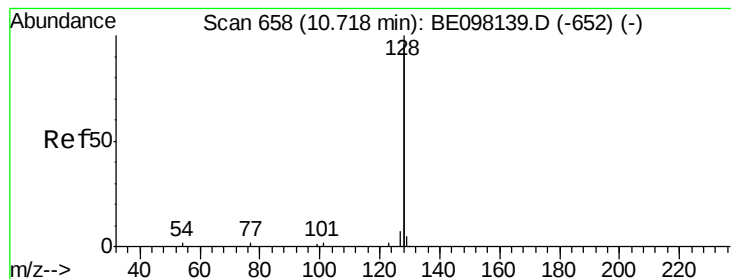


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.382 ng

RT: 10.72 min Scan# 659

Delta R.T. 0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

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ClientSampleId :

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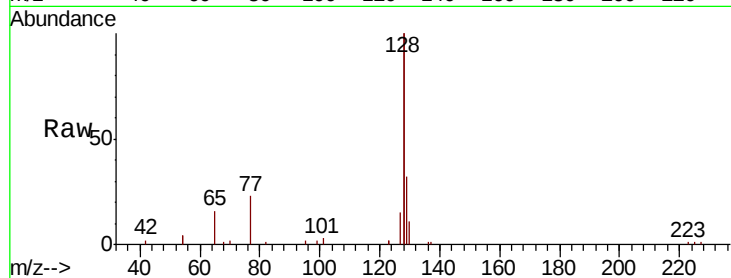
Tot Ion:128 Resp: 18338

Ion Ratio Lower Upper

128 100

129 16.0 2.5 3.7#

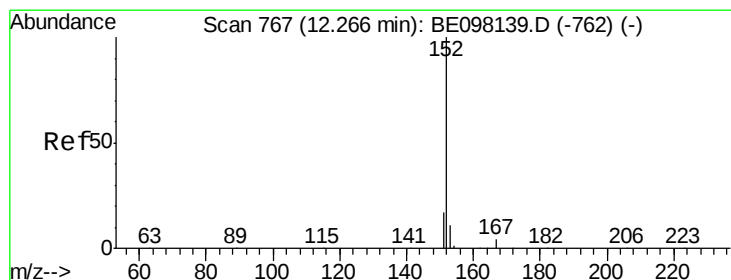
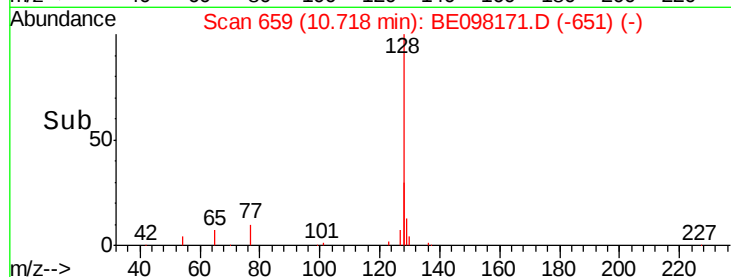
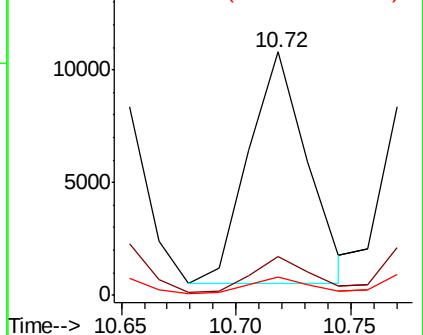
127 7.4 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.389 ng

RT: 12.27 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098171.D

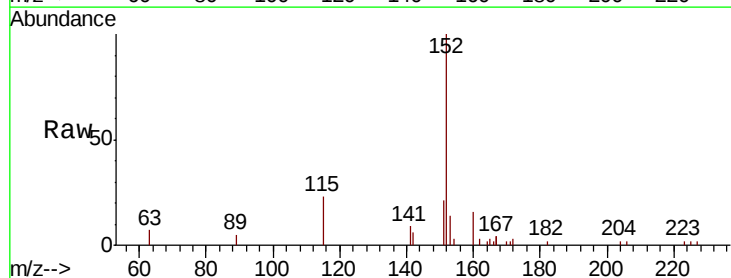
Acq: 7 Nov 2018 13:23

Tgt Ion:152 Resp: 3294

Ion Ratio Lower Upper

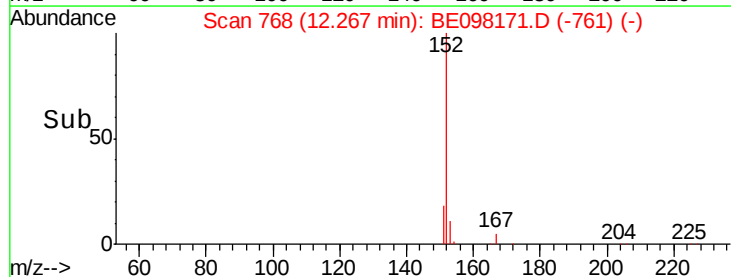
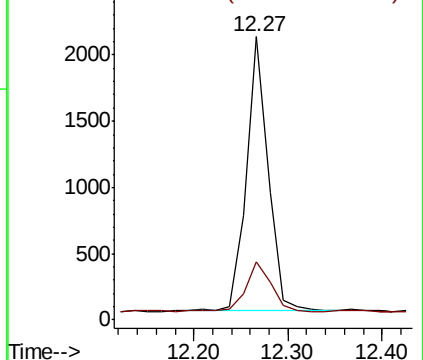
152 100

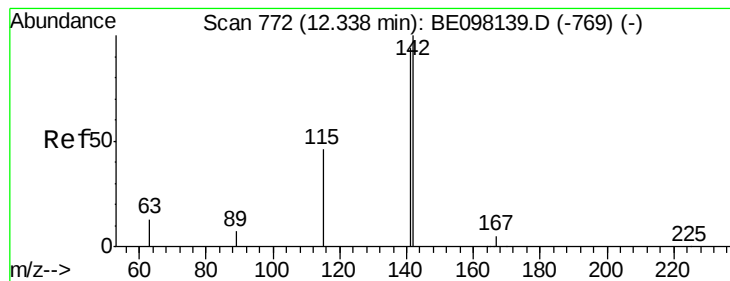
151 21.5 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.264 ng

RT: 12.34 min Scan# 773

Delta R.T. 0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

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ClientSampleId :

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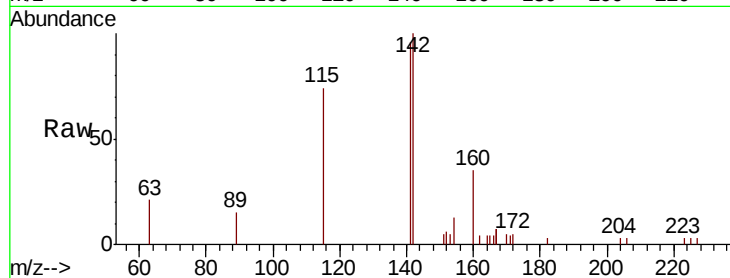
Tot Ion:142 Resp: 2262

Ion Ratio Lower Upper

142 100

141 96.0 69.8 104.6

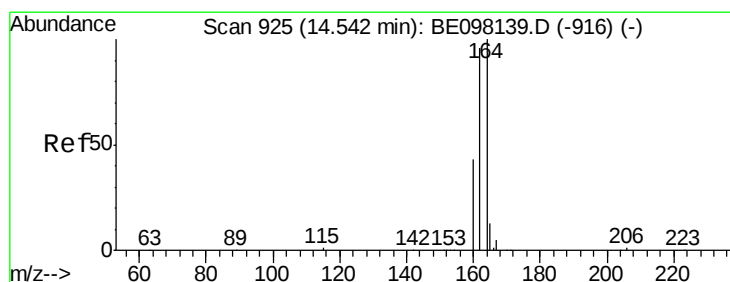
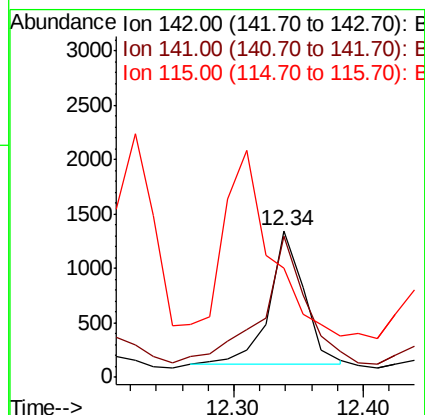
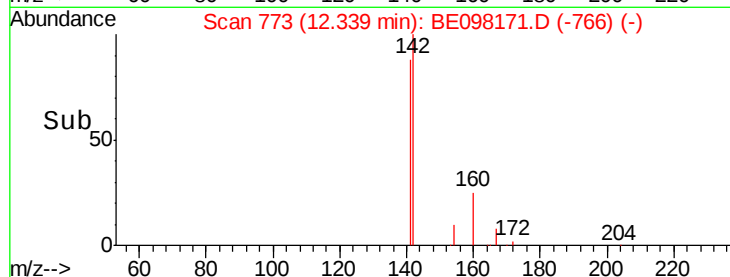
115 74.3 30.5 45.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

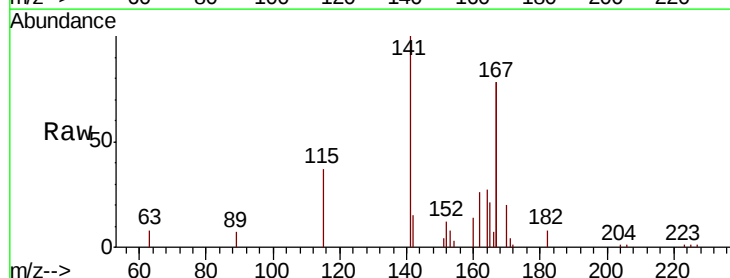
Tgt Ion:164 Resp: 4661

Ion Ratio Lower Upper

164 100

162 96.7 77.4 116.2

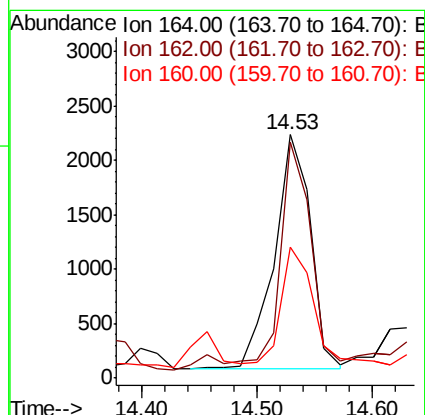
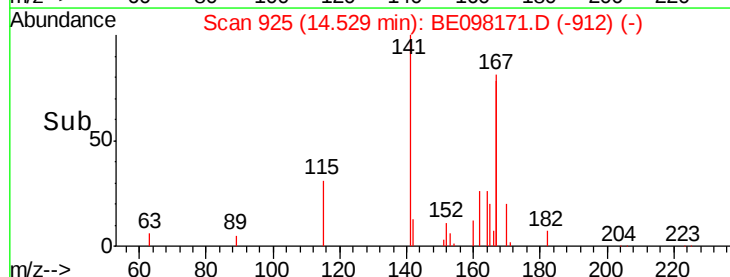
160 53.7 36.5 54.7

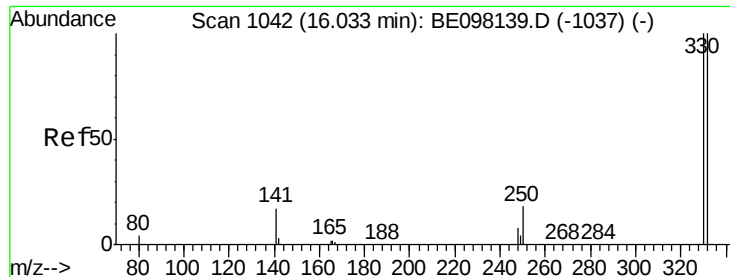


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.402 ng

RT: 16.02 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

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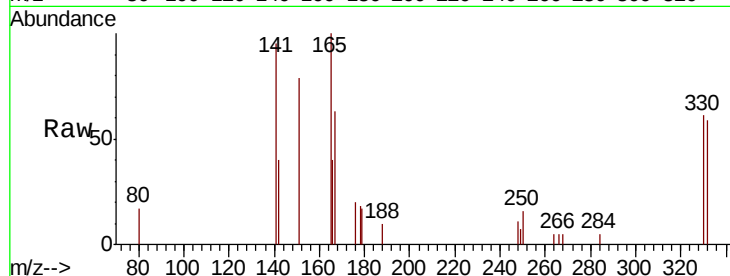
Tot Ion:330 Resp: 887

Ion Ratio Lower Upper

330 100

332 95.0 76.5 114.7

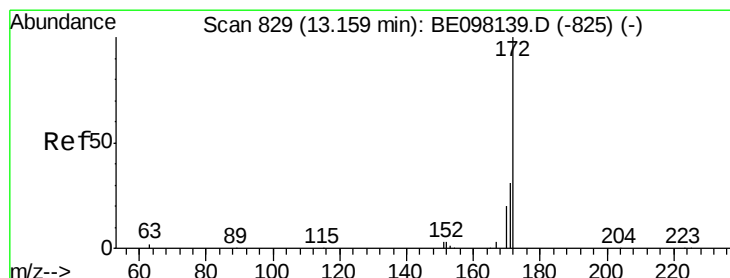
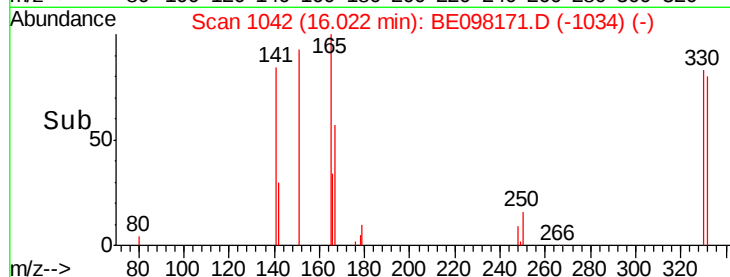
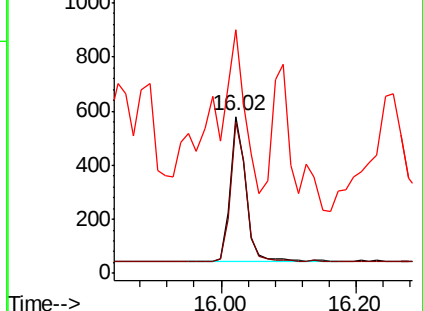
141 211.3 31.8 47.6#



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: 0.353 ng

RT: 13.15 min Scan# 829

Delta R.T. -0.01 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

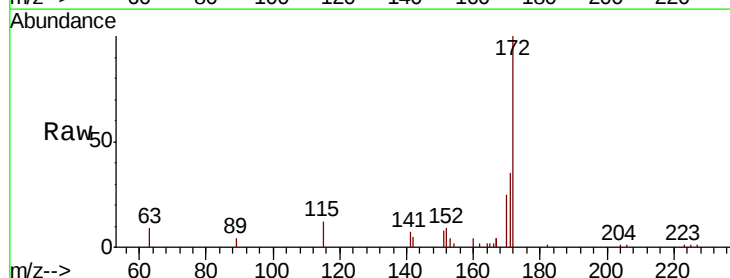
Tgt Ion:172 Resp: 6757

Ion Ratio Lower Upper

172 100

171 35.4 26.0 39.0

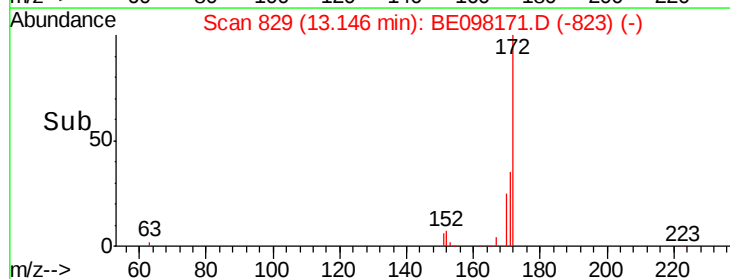
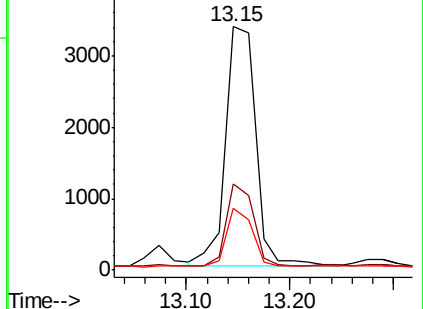
170 25.3 18.0 27.0

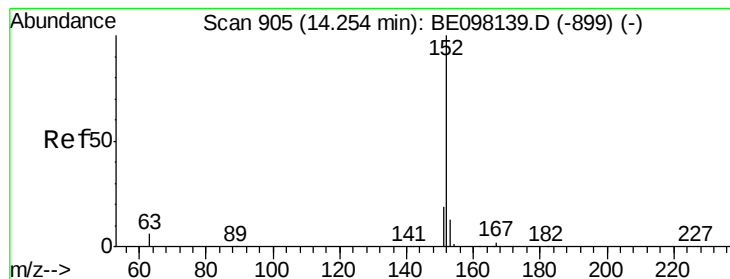


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.515 ng

RT: 14.25 min Scan# 906

Delta R.T. 0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

BNA_E

ClientSampleId :

C19013081

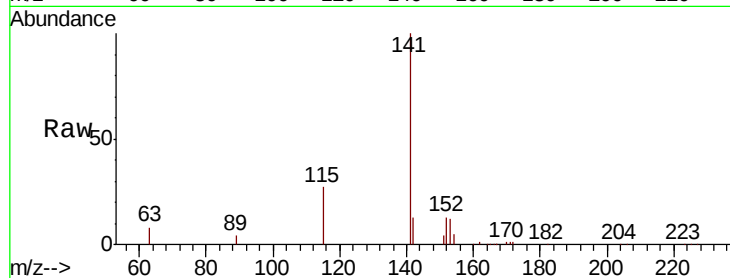
Tot Ion:152 Resp: 10946

Ion Ratio Lower Upper

152 100

151 31.2 16.1 24.1#

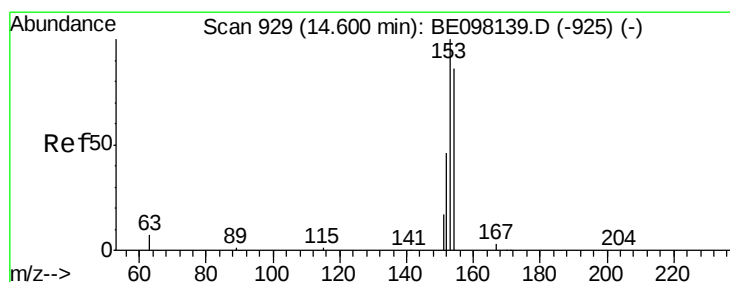
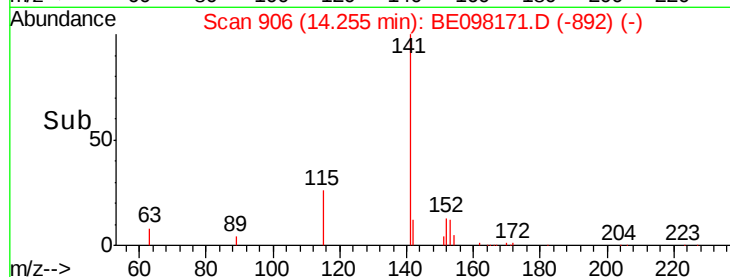
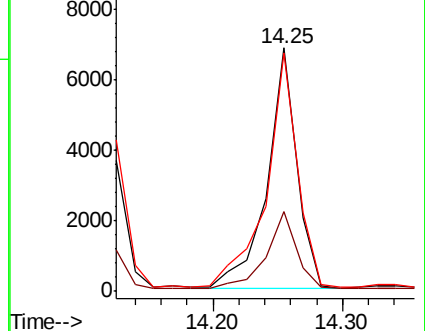
153 102.5 10.9 16.3#



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: 1.318 ng

RT: 14.60 min Scan# 930

Delta R.T. 0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

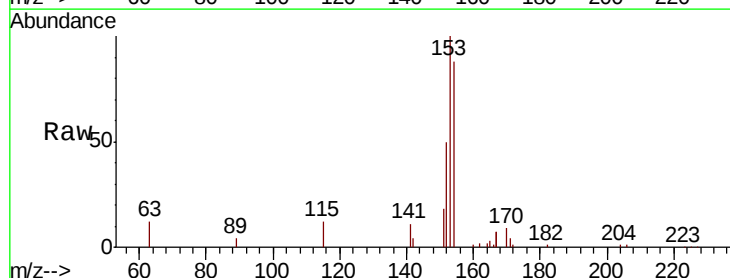
Tgt Ion:154 Resp: 16825

Ion Ratio Lower Upper

154 100

153 132.9 92.6 139.0

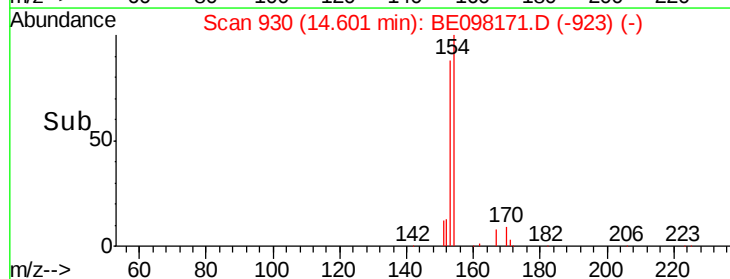
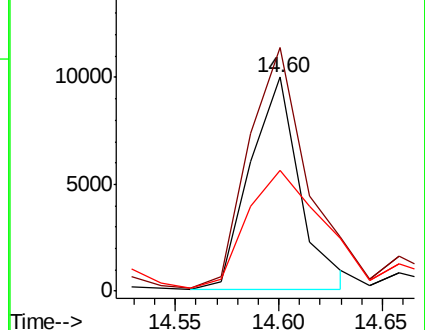
152 82.4 45.5 68.3#

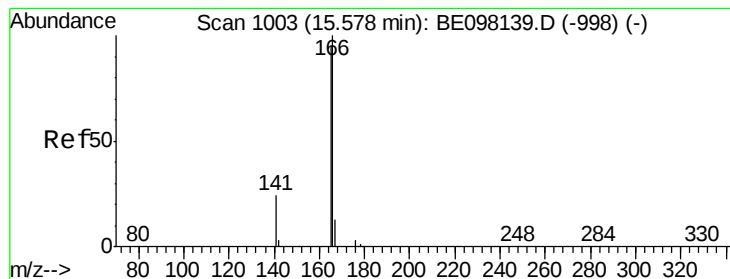


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 2.941 ng

RT: 15.58 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

BNA_E

ClientSampleId :

C19013081

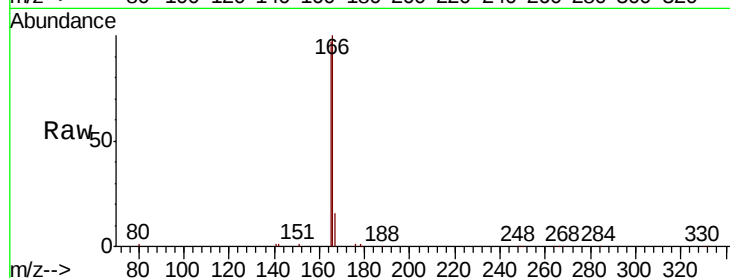
Tot Ion:166 Resp: 49824

Ion Ratio Lower Upper

166 100

165 103.8 78.2 117.4

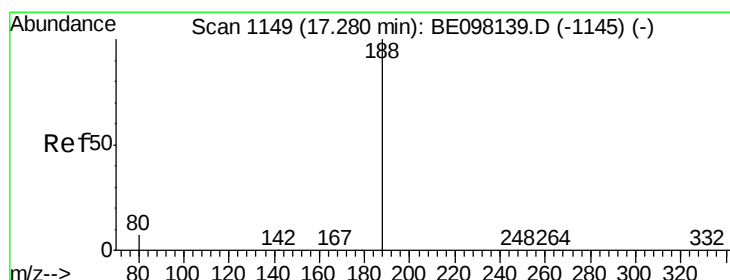
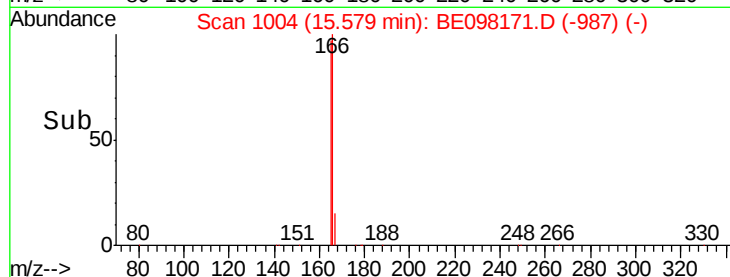
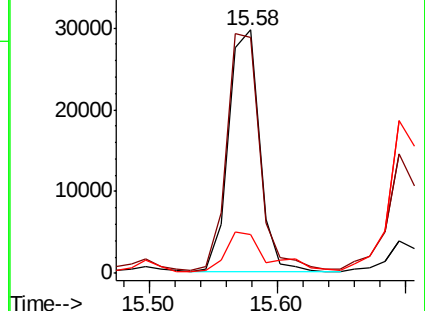
167 22.8 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

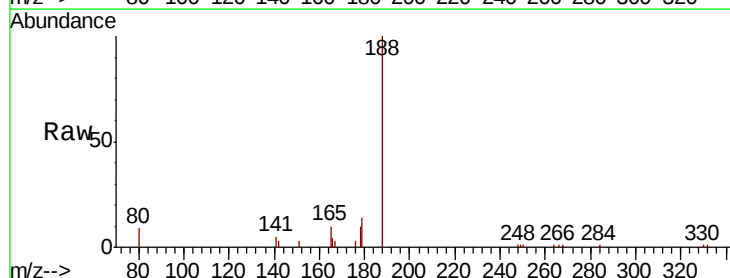
Tgt Ion:188 Resp: 7894

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

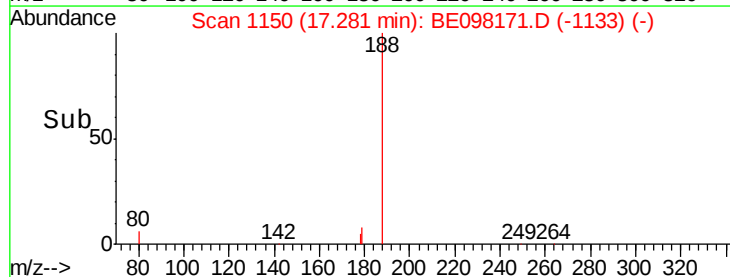
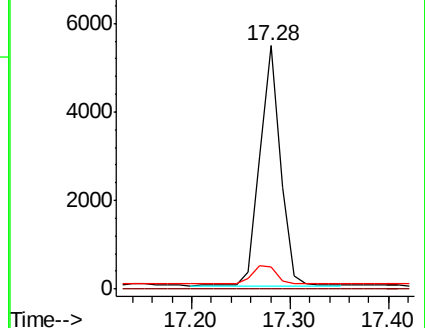
80 9.3 6.3 9.5

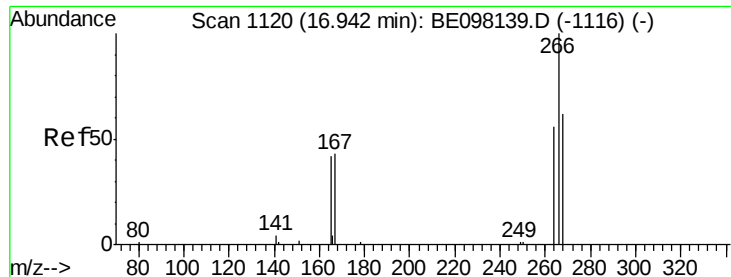


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

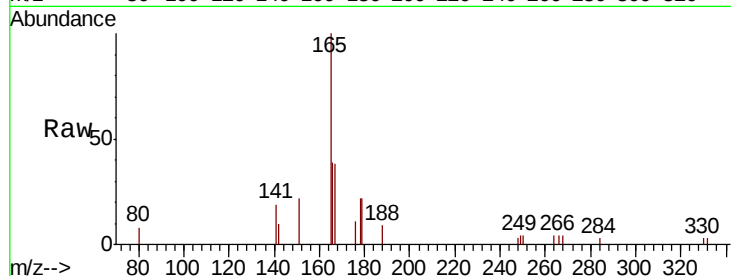




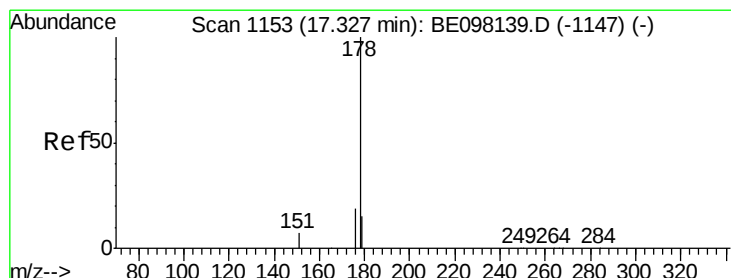
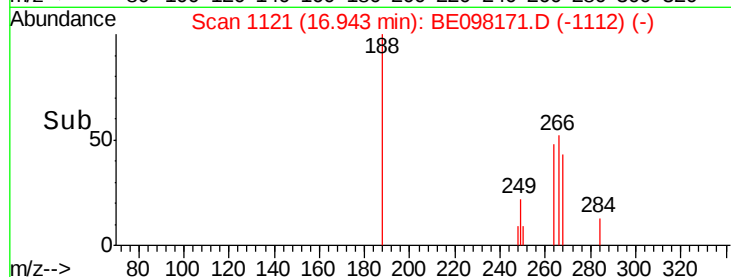
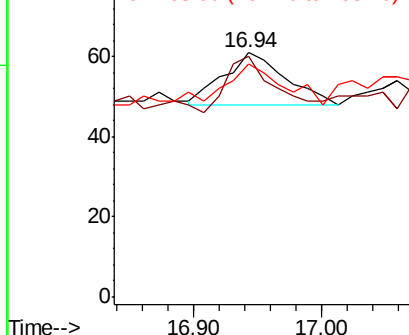
#22
 Pentachlorophenol
 Concen: 0.163 ng
 RT: 16.94 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: BE098171.D
 Acq: 7 Nov 2018 13:23

Instrument :
 BNA_E
 ClientSampleId :
 C19013081

Tot Ion:266 Resp: 43
 Ion Ratio Lower Upper
 266 100
 264 98.4 51.3 76.9#
 268 95.1 50.1 75.1#

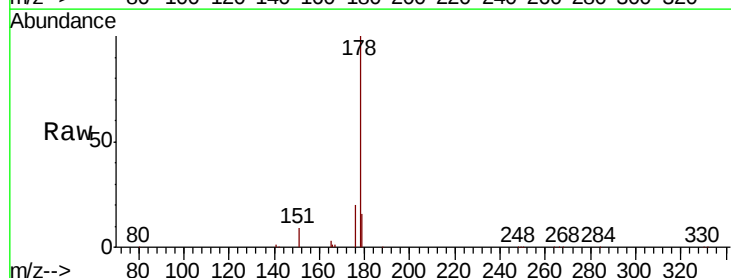


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

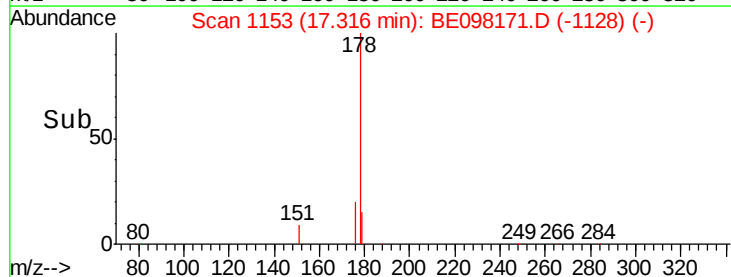
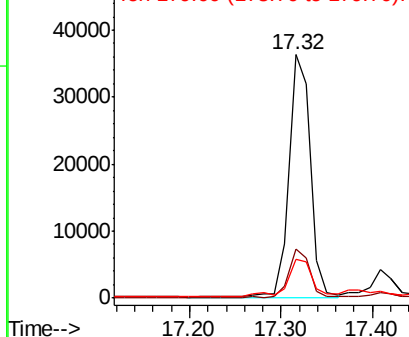


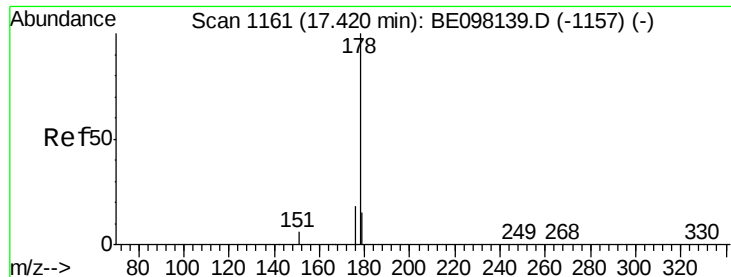
#23
 Phenanthrene
 Concen: 3.002 ng
 RT: 17.32 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BE098171.D
 Acq: 7 Nov 2018 13:23

Tgt Ion:178 Resp: 58709
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 18.6 12.2 18.4#



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: 0.303 ng

RT: 17.41 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

BNA_E

ClientSampleId :

C19013081

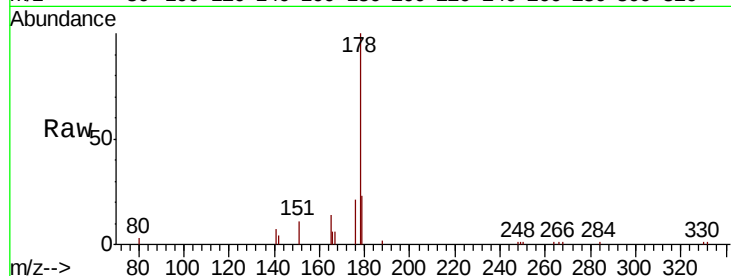
Tot Ion:178 Resp: 5640

Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

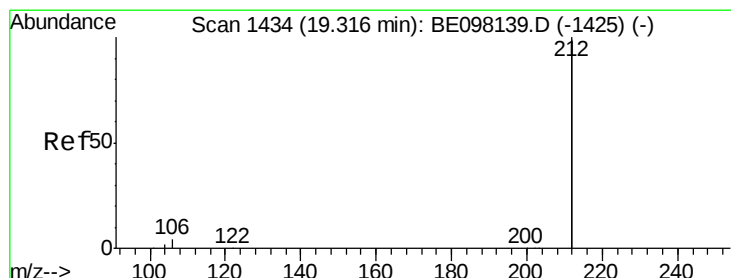
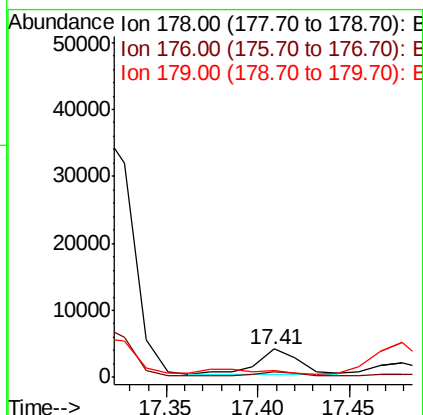
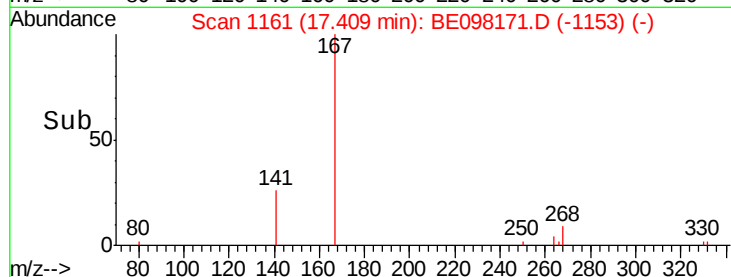
179 0.0 11.9 17.9#



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: 0.406 ng

RT: 19.31 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

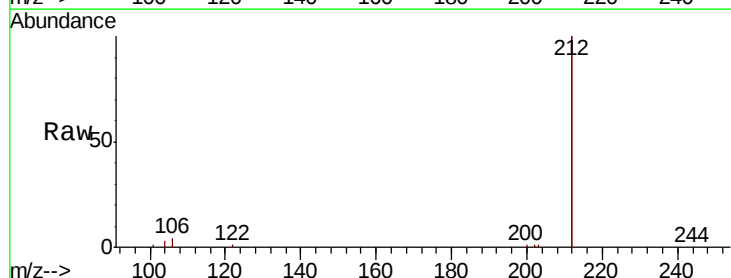
Tgt Ion:212 Resp: 41313

Ion Ratio Lower Upper

212 100

106 2.2 2.3 3.5#

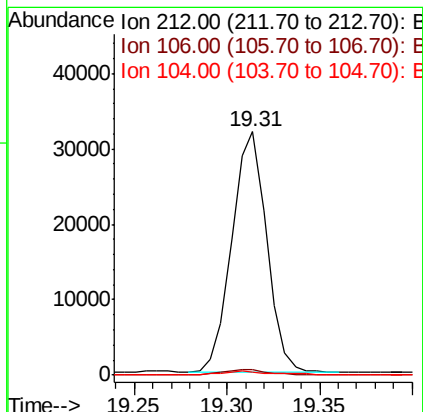
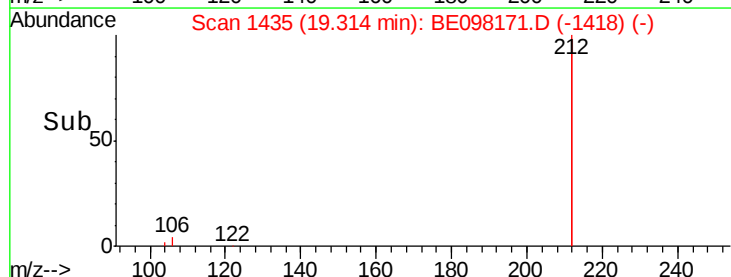
104 1.7 1.3 1.9

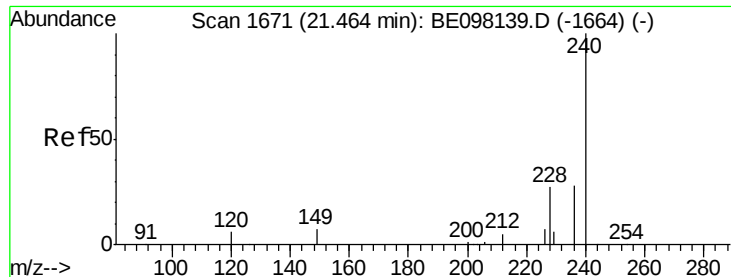


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

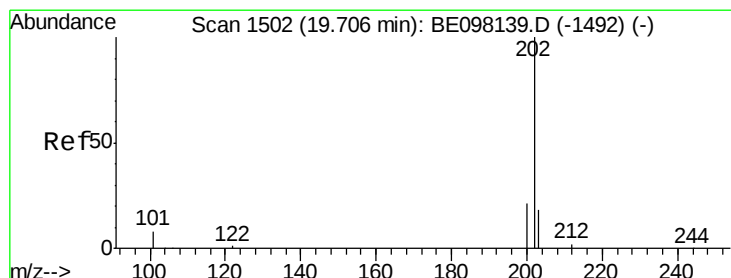
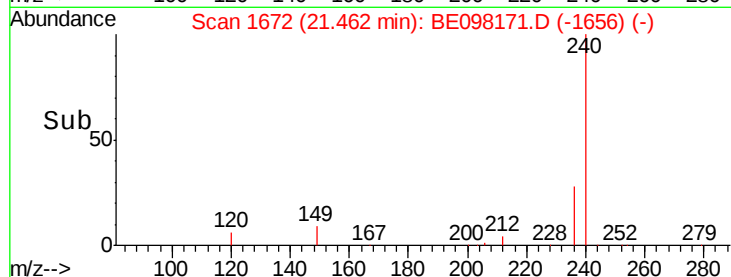
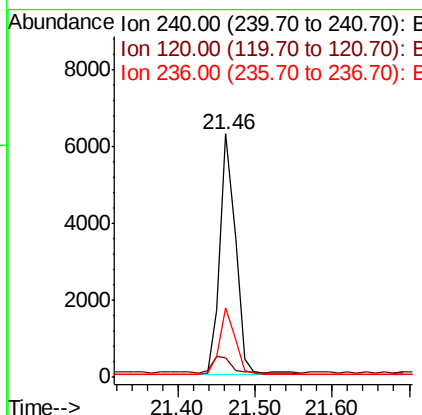
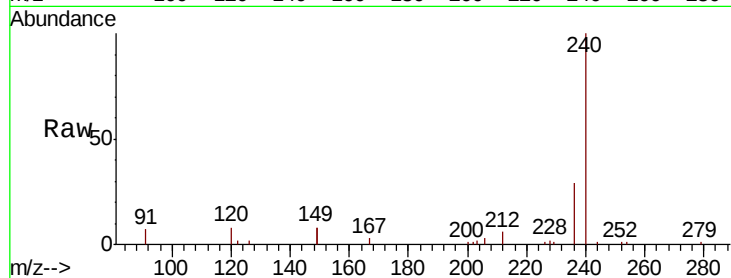




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1672
Delta R.T. -0.00 min
Lab File: BE098171.D
Acq: 7 Nov 2018 13:23

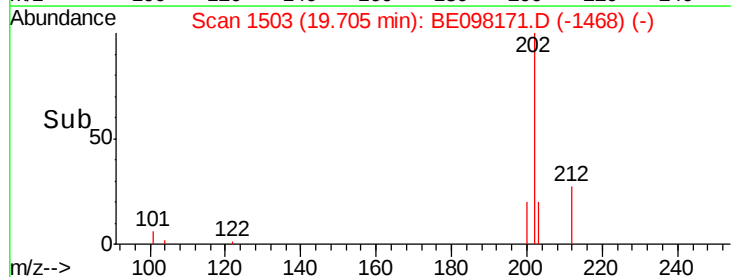
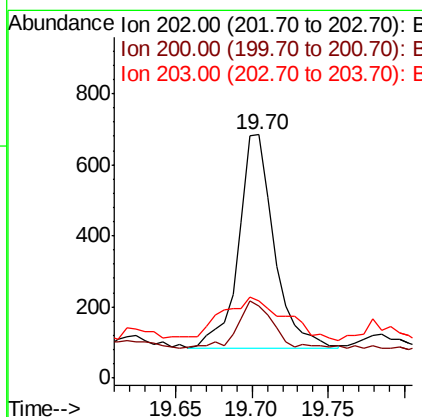
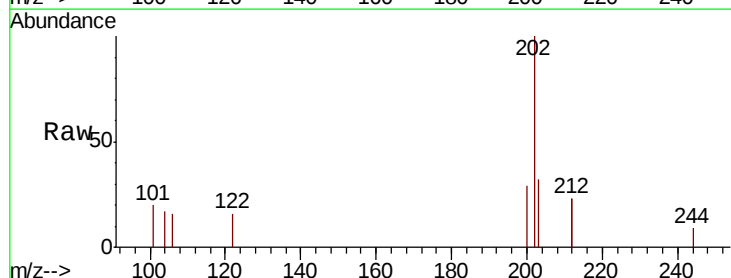
Instrument :
BNA_E
ClientSampleId :
C19013081

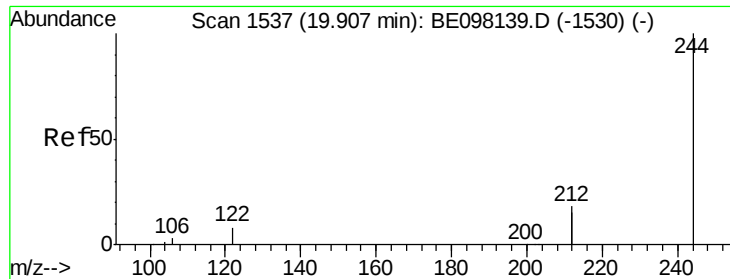
Tot Ion:240 Resp: 8885
Ion Ratio Lower Upper
240 100
120 8.1 7.1 10.7
236 28.7 21.3 31.9



#28
Pyrene
Concen: 0.040 ng
RT: 19.70 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE098171.D
Acq: 7 Nov 2018 13:23

Tgt Ion:202 Resp: 982
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.4
203 34.2 14.2 21.4#





#29

Terphenyl-d14

Concen: 0.601 ng

RT: 19.91 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

BNA_E

ClientSampleId :

C19013081

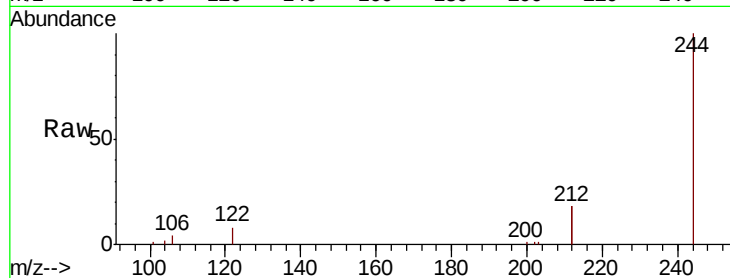
Tot Ion:244 Resp: 12422

Ion Ratio Lower Upper

244 100

212 35.8 26.2 39.2

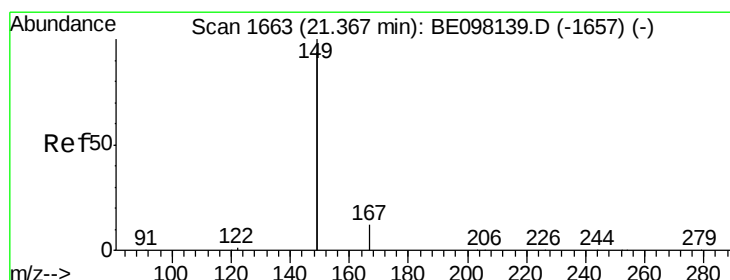
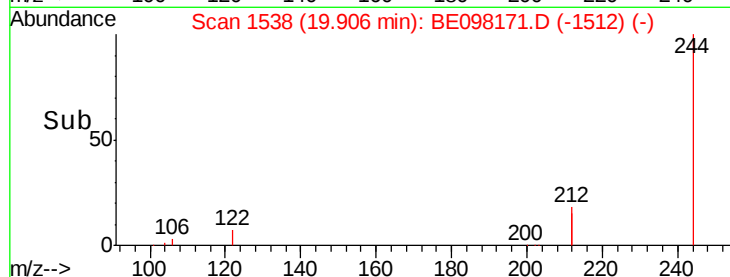
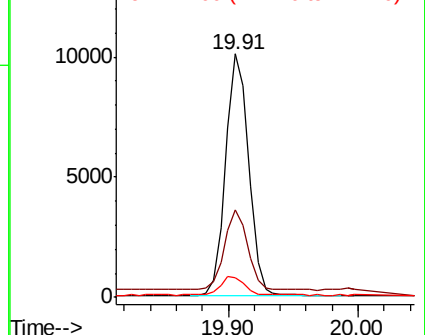
122 8.3 7.7 11.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.345 ng

RT: 21.37 min Scan# 1664

Delta R.T. -0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

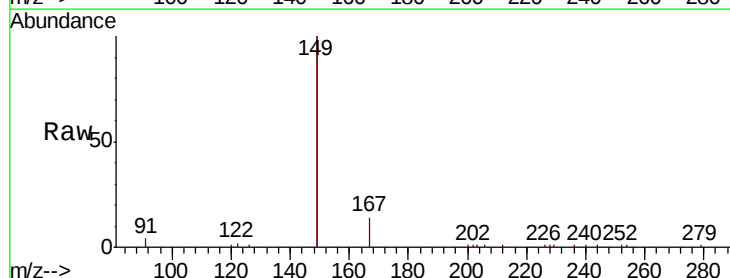
Tgt Ion:149 Resp: 28401

Ion Ratio Lower Upper

149 100

167 6.9 5.6 8.4

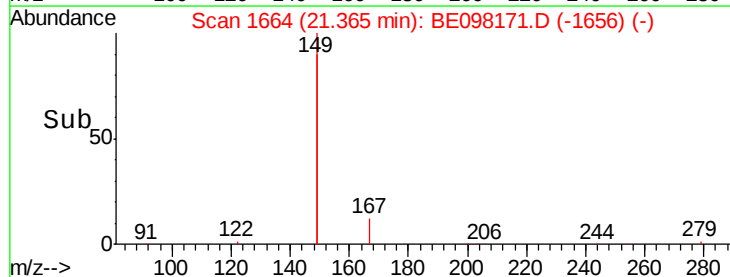
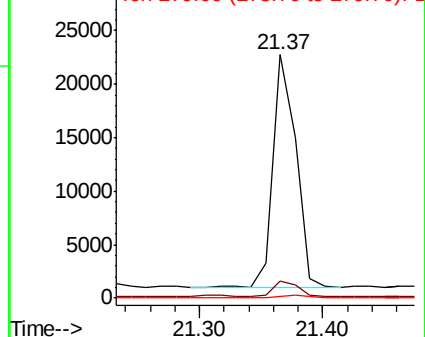
279 1.1 0.9 1.3

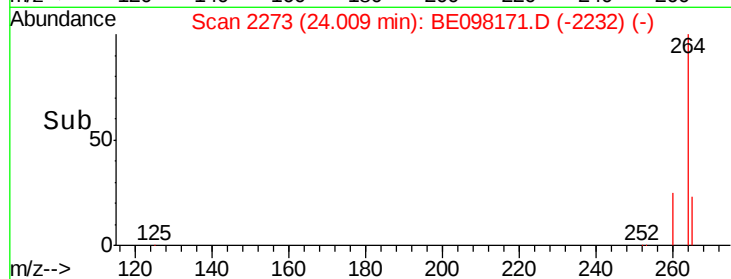
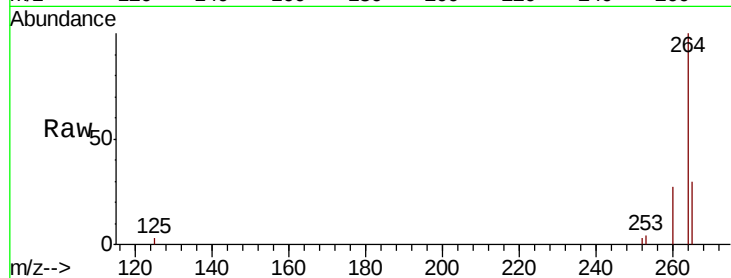
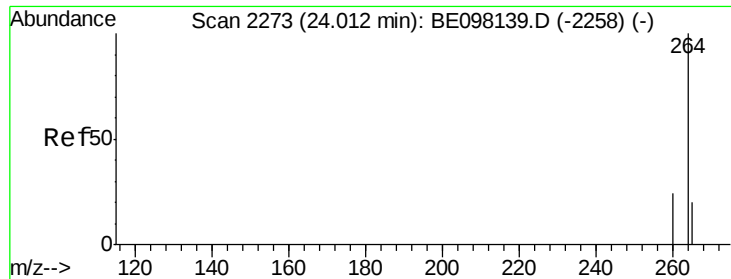


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 24.01 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BE098171.D

Acq: 7 Nov 2018 13:23

Instrument :

BNA_E

ClientSampleId :

C19013081

Tot Ion:264 Resp: 8596

Ion Ratio Lower Upper

264 100

260 26.5 21.1 31.7

265 29.6 29.2 43.8

