

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\
 Data File : BE098390.D
 Acq On : 13 Dec 2018 10:47
 Operator : SJ/JU
 Sample : J6325-09MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 13 11:22:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1009	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	4117	0.40	ng	-0.01
13) Acenaphthene-d10	14.53	164	2536	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	6800	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	8923	0.40	ng	0.00
34) Perylene-d12	24.00	264	8286	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	529	0.22	ng	0.01
5) Phenol-d6	7.04	99	446	0.13	ng	0.00
8) Nitrobenzene-d5	9.03	82	1522	0.41	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	3554	0.53	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	522	0.56	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	4547	0.43	ng	0.00
25) Fluoranthene-d10	19.30	212	40596	0.47	ng	0.00
29) Terphenyl-d14	19.90	244	8019	0.37	ng	0.00

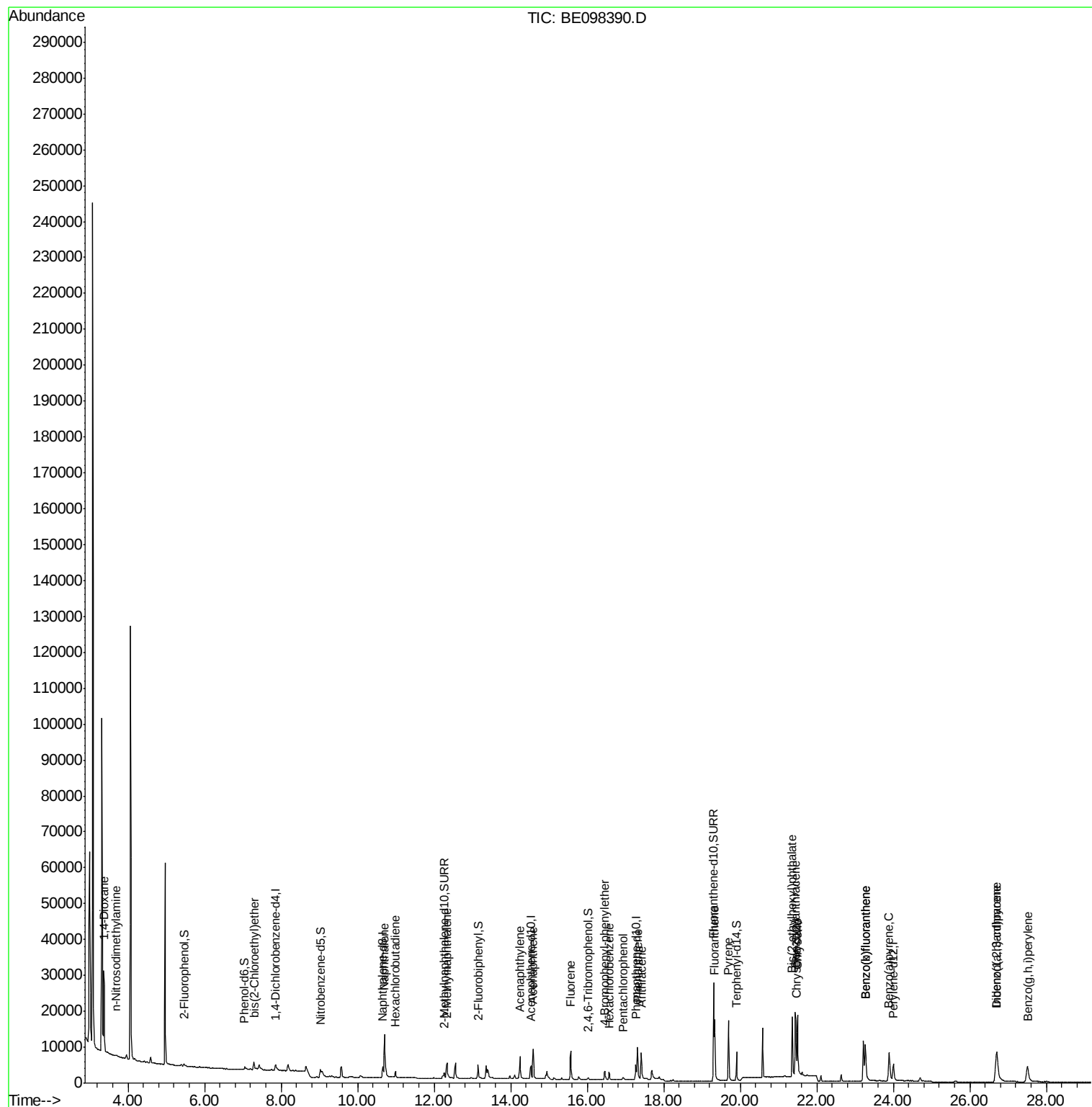
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	12484	7.154	ng	99
3) n-Nitrosodimethylamine	3.69	42	276	0.176	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1146	0.361	ng	77
9) Naphthalene	10.71	128	22949	0.554	ng	100
10) Hexachlorobutadiene	10.99	225	1109	0.420	ng	99
12) 2-Methylnaphthalene	12.34	142	3852	0.572	ng	96
16) Acenaphthylene	14.24	152	7266	0.612	ng	98
17) Acenaphthene	14.59	154	4152	0.582	ng	96
18) Fluorene	15.57	166	6228	0.652	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	1715	0.469	ng	# 84
21) Hexachlorobenzene	16.58	284	1747	0.444	ng	96
22) Pentachlorophenol	16.93	266	536	0.754	ng	89
23) Phenanthrene	17.31	178	11204	0.678	ng	100
24) Anthracene	17.41	178	9638	0.654	ng	99
26) Fluoranthene	19.33	202	16174	0.740	ng	99
28) Pyrene	19.69	202	16644	0.594	ng	99
30) Benzo(a)anthracene	21.44	228	17090	0.673	ng	100
31) Chrysene	21.50	228	16858	0.633	ng	100
32) Bis(2-ethylhexyl)phthalate	21.35	149	24056	0.466	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	16098	0.608	ng	99
35) Benzo(b)fluoranthene	23.27	252	18298	0.808	ng	95
36) Benzo(k)fluoranthene	23.27	252	18959	0.718	ng	97
37) Benzo(a)pyrene	23.89	252	16161	0.691	ng	97
38) Dibenzo(a,h)anthracene	26.71	278	13594	0.617	ng	99
39) Benzo(g,h,i)perylene	27.50	276	13089	0.590	ng	97

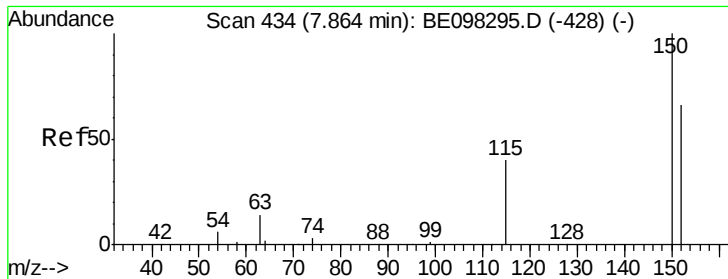
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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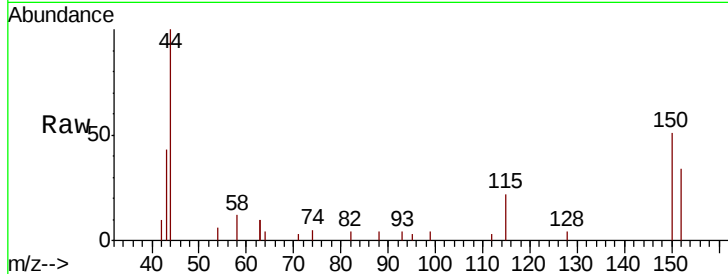


#1

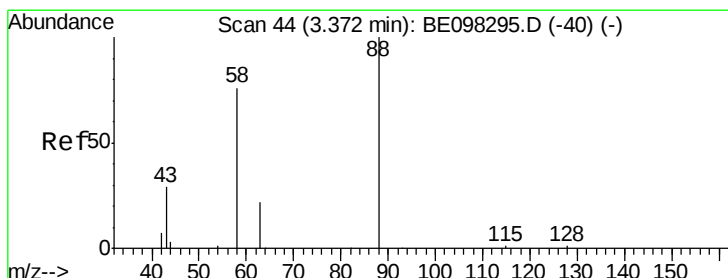
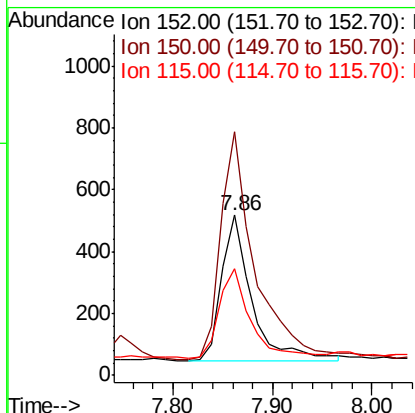
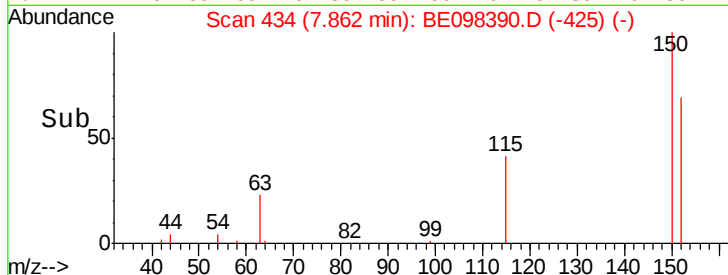
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1009
Ion Ratio Lower Upper
152 100
150 151.9 124.2 186.4
115 66.2 53.9 80.9



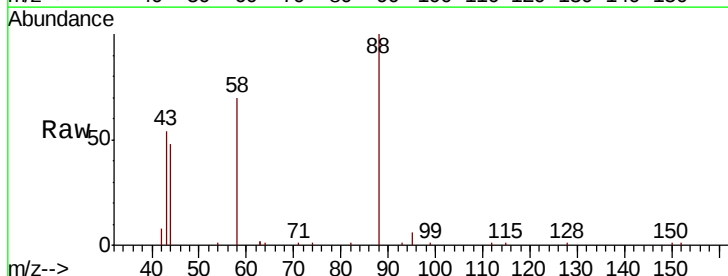
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



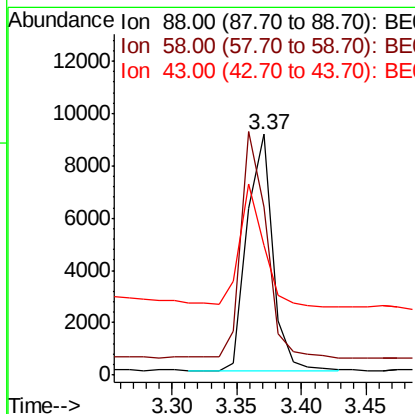
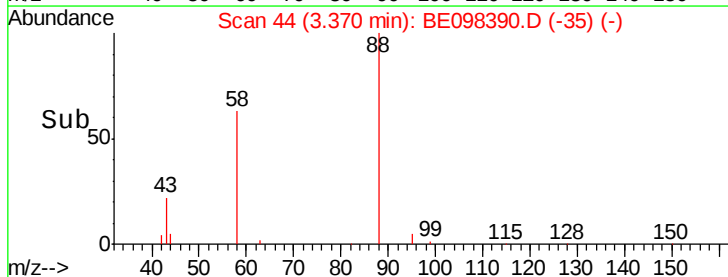
#2

1,4-Dioxane
Concen: 7.154 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

Tgt Ion: 88 Resp: 12484
Ion Ratio Lower Upper
88 100
58 93.4 75.0 112.6
43 48.8 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



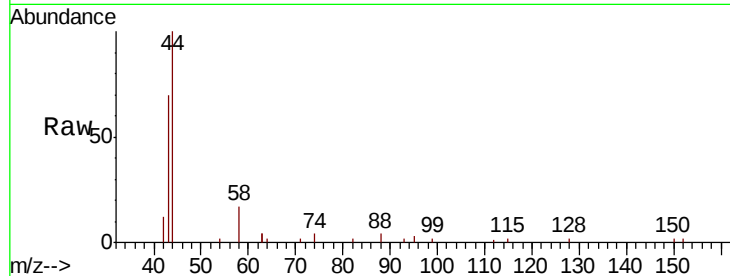


#3

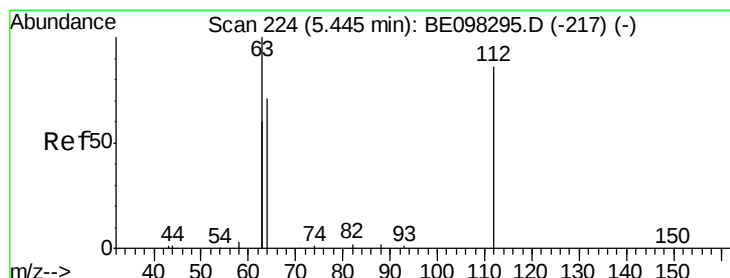
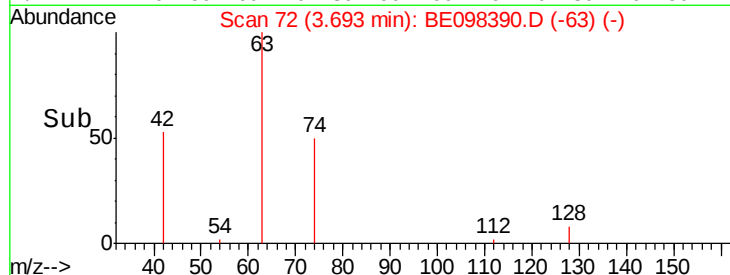
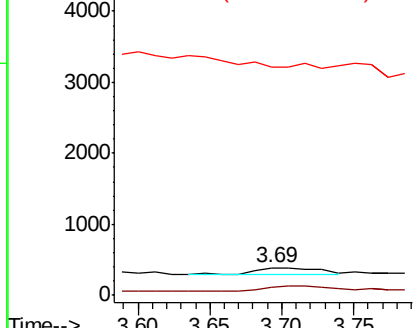
n-Nitrosodimethylamine
Concen: 0.176 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 276
Ion Ratio Lower Upper
42 100
74 88.8 0.0 0.0#
44 0.0 0.0 0.0



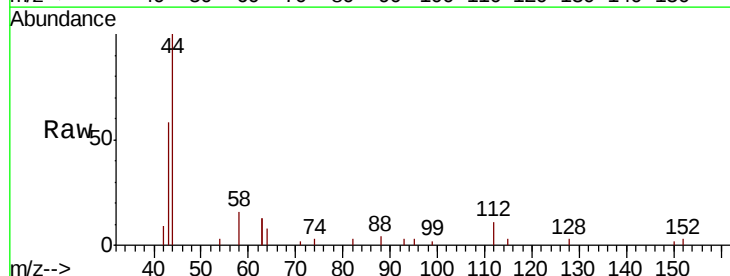
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



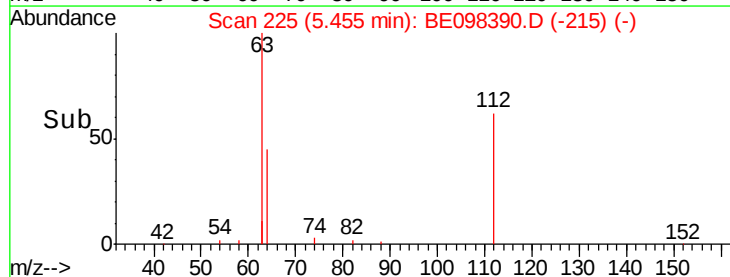
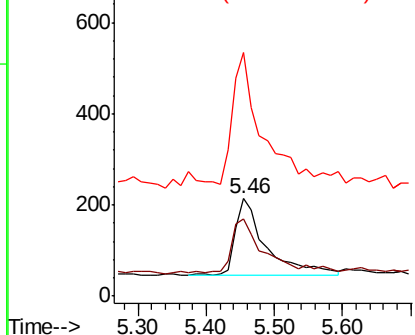
#4

2-Fluorophenol
Concen: 0.224 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

Tgt Ion: 112 Resp: 529
Ion Ratio Lower Upper
112 100
64 68.1 59.8 89.8
63 166.7 133.7 200.5



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: 0.133 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

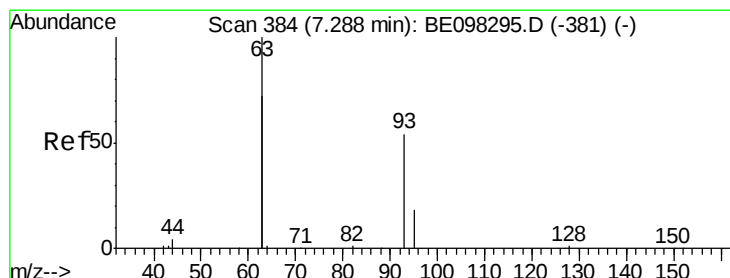
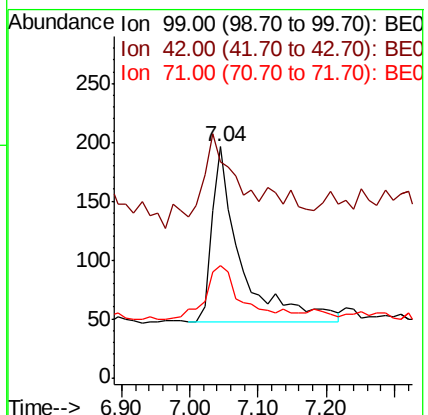
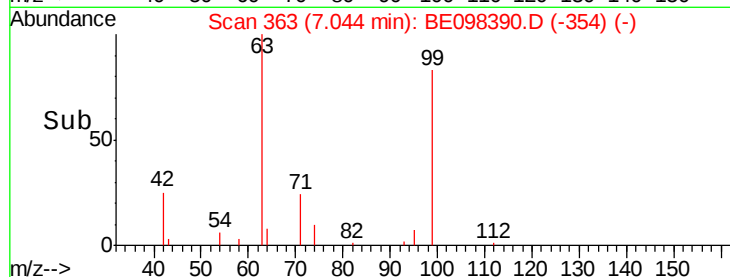
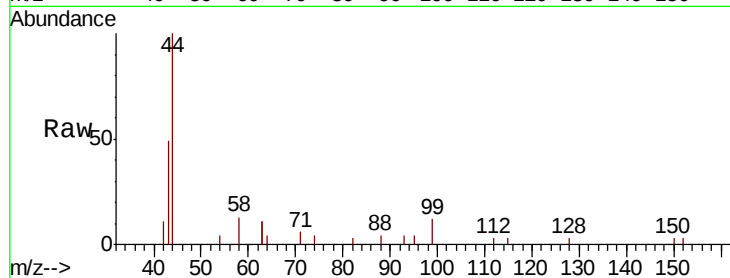
Tot Ion: 99 Resp: 446

Ion Ratio Lower Upper

99 100

42 65.9 26.3 39.5#

71 36.8 33.6 50.4



#6

bis(2-Chloroethyl)ether

Concen: 0.361 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

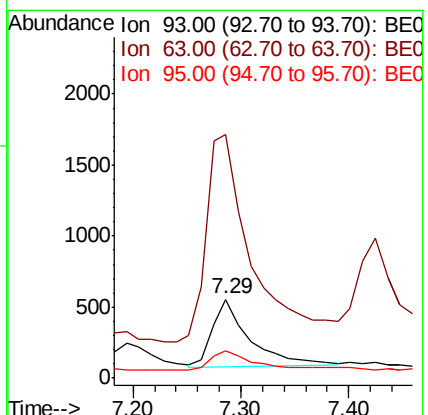
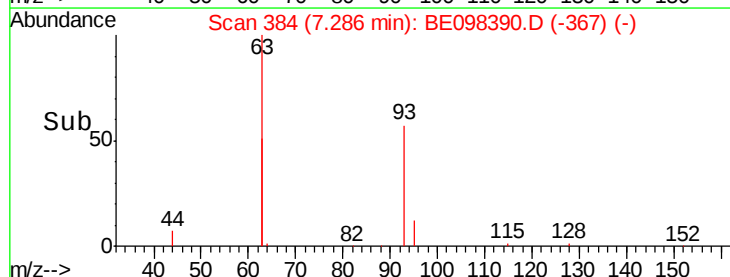
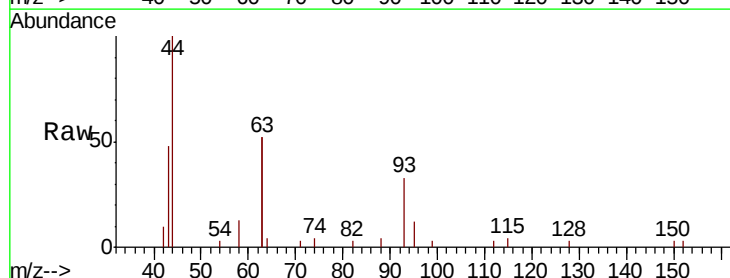
Tgt Ion: 93 Resp: 1146

Ion Ratio Lower Upper

93 100

63 382.3 264.4 396.6

95 36.9 26.6 40.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4117

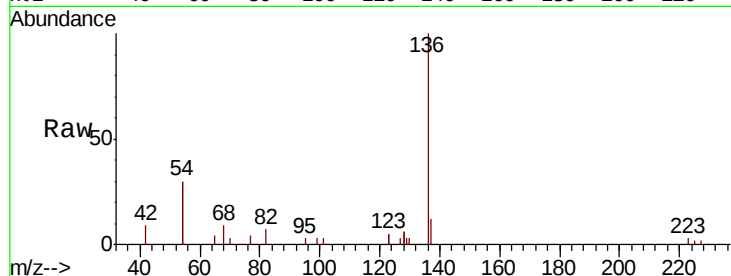
Ion Ratio Lower Upper

136 100

137 12.3 9.2 13.8

54 59.7 28.4 42.6#

68 9.1 5.4 8.0#

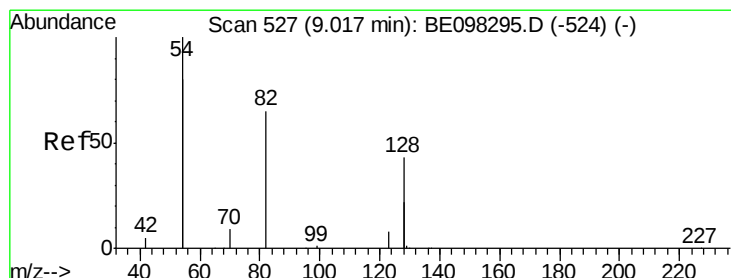
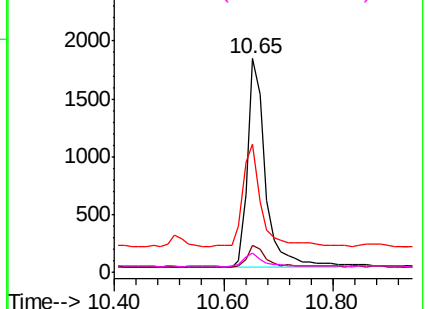
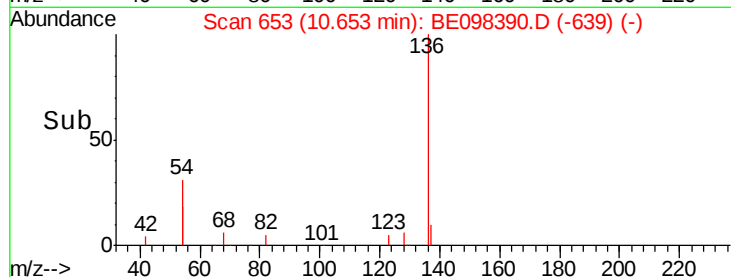


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.406 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

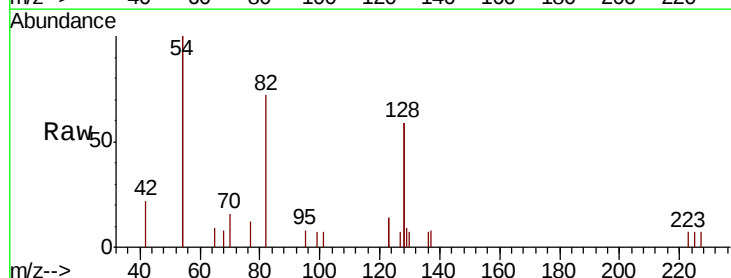
Tgt Ion: 82 Resp: 1522

Ion Ratio Lower Upper

82 100

128 163.9 102.4 153.6#

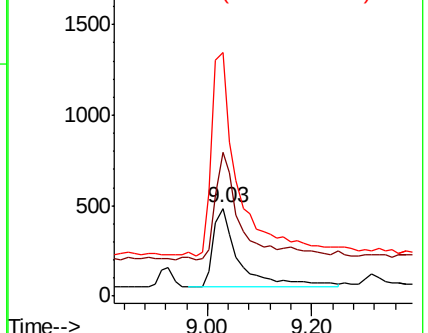
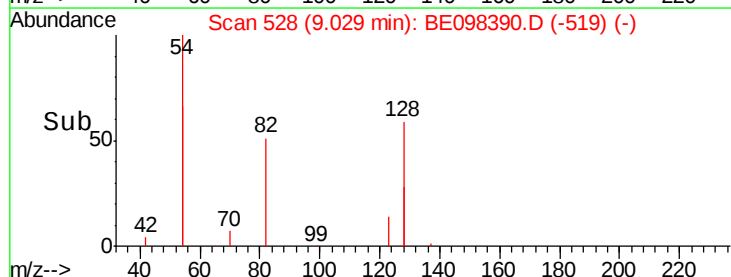
54 276.4 221.8 332.8



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: 0.554 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

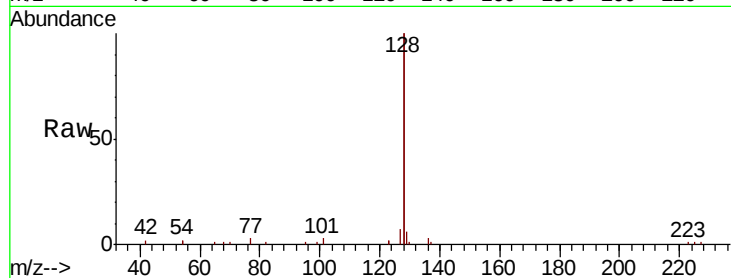
Tot Ion:128 Resp: 22949

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

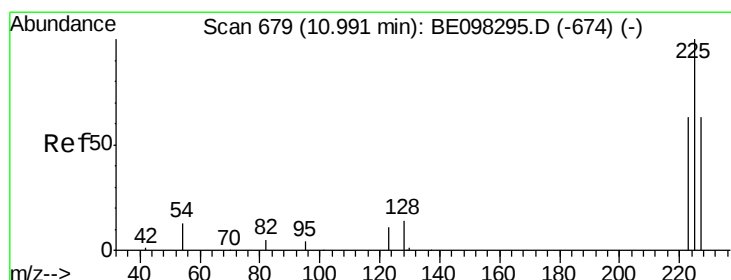
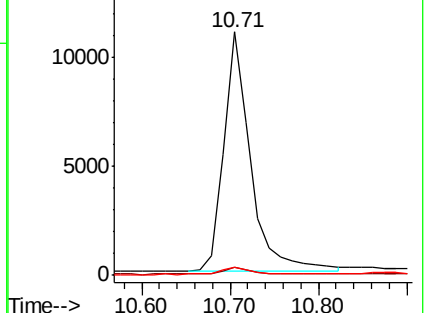
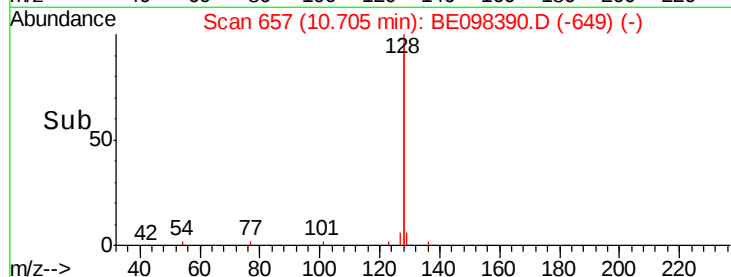
127 3.6 2.7 4.1



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: 0.420 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

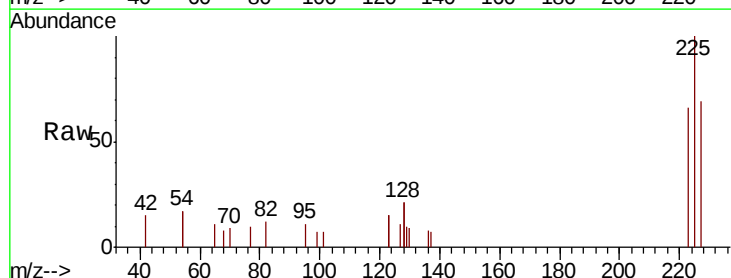
Tgt Ion:225 Resp: 1109

Ion Ratio Lower Upper

225 100

223 61.5 49.4 74.0

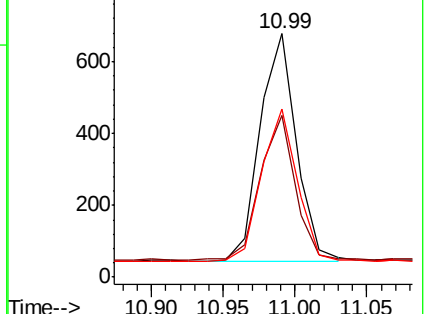
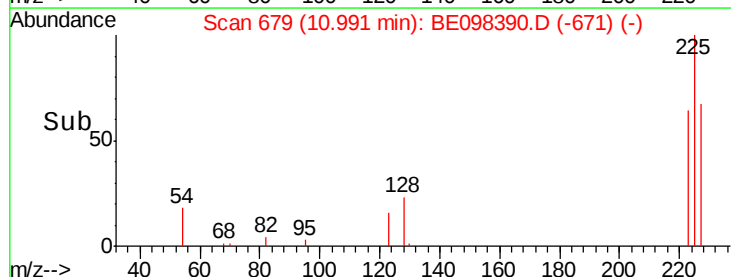
227 66.5 52.0 78.0



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: 0.531 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

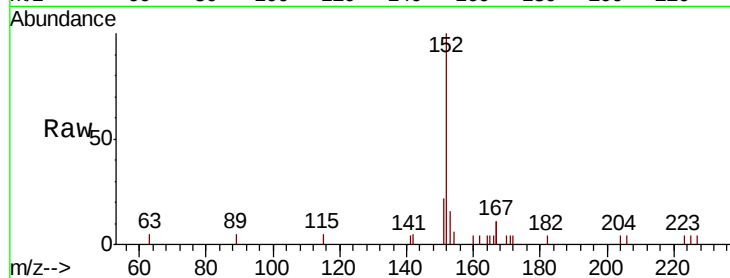
ClientSampled :

Tot Ion:152 Resp: 3554

Ion Ratio Lower Upper

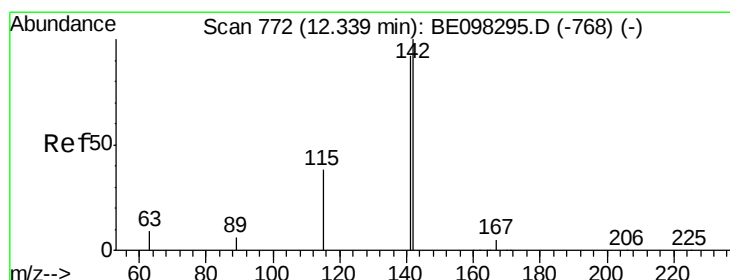
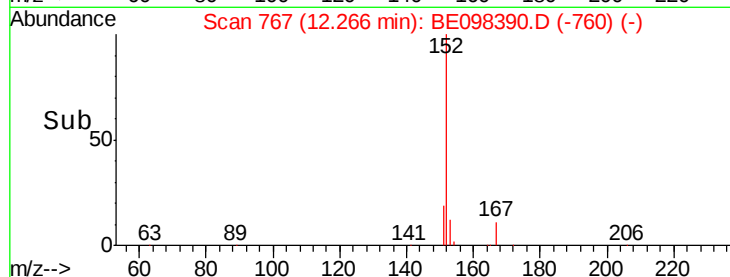
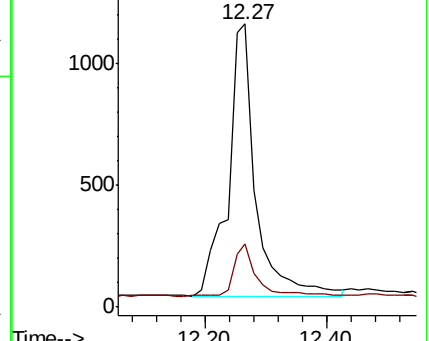
152 100

151 14.8 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: 0.572 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

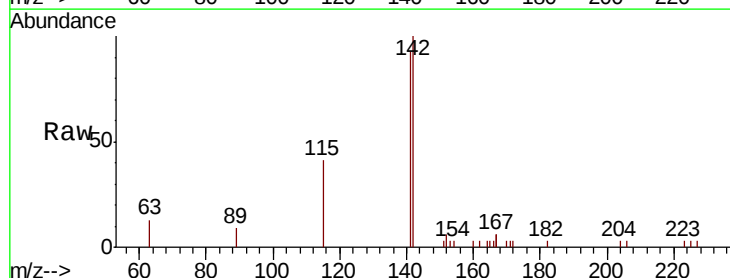
Tgt Ion:142 Resp: 3852

Ion Ratio Lower Upper

142 100

141 93.0 71.0 106.6

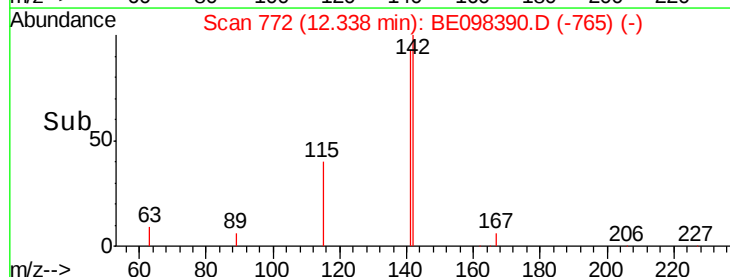
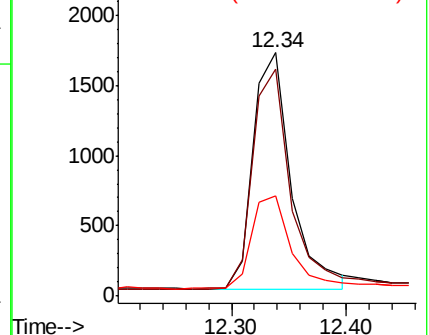
115 41.3 32.2 48.2



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

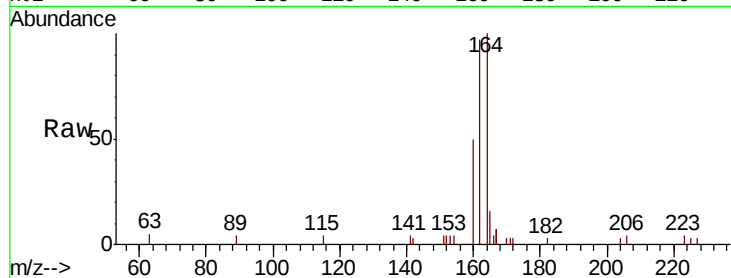




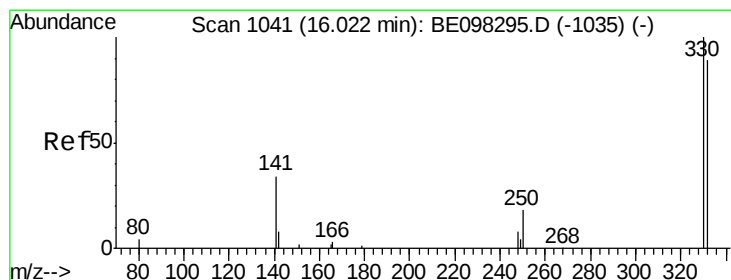
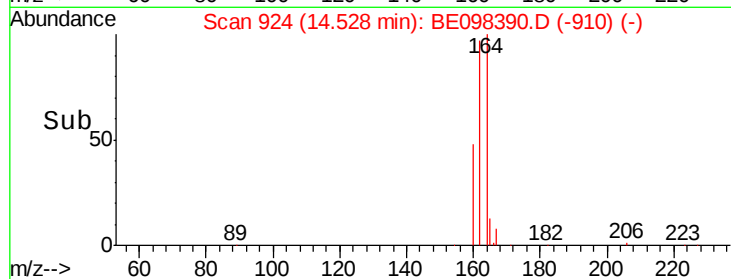
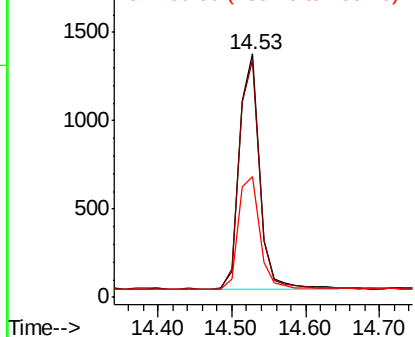
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098390.D
 Acq: 13 Dec 2018 10:47

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2536
 Ion Ratio Lower Upper
 164 100
 162 97.3 77.6 116.4
 160 49.6 36.0 54.0

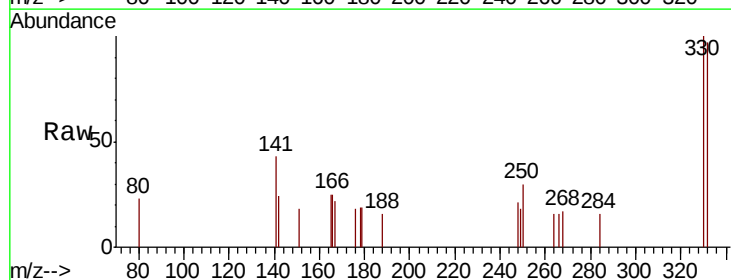


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

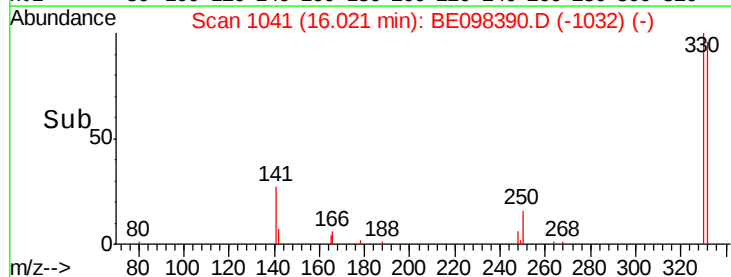
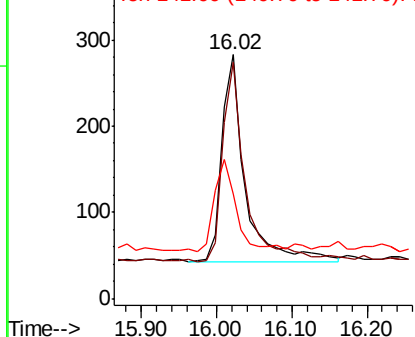


#14
 2,4,6-Tribromophenol
 Concen: 0.561 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098390.D
 Acq: 13 Dec 2018 10:47

Tgt Ion:330 Resp: 522
 Ion Ratio Lower Upper
 330 100
 332 93.1 76.2 114.4
 141 39.8 39.0 58.4



Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

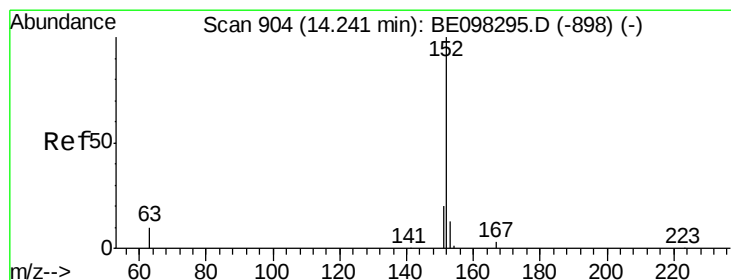
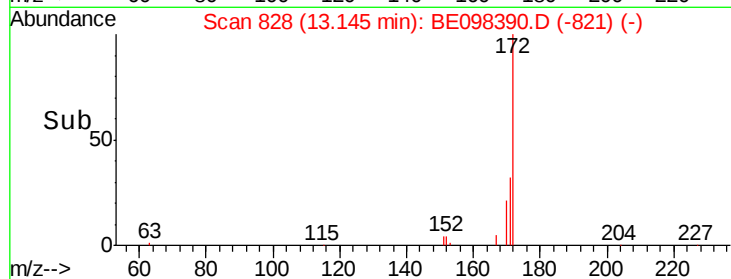
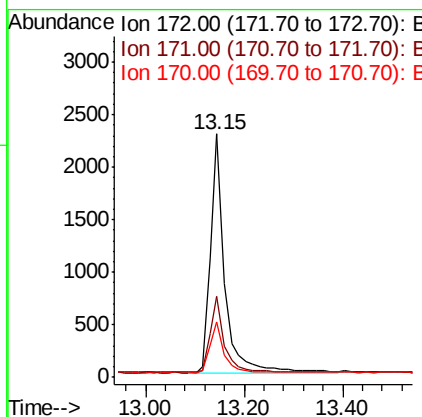
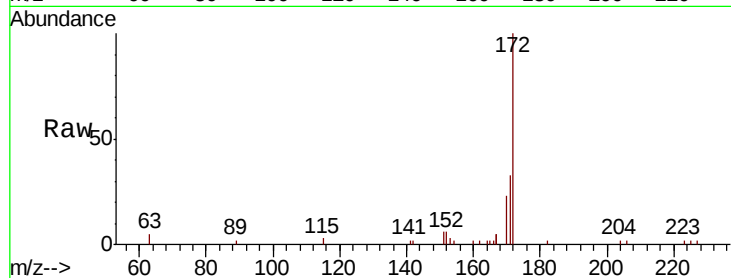




#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

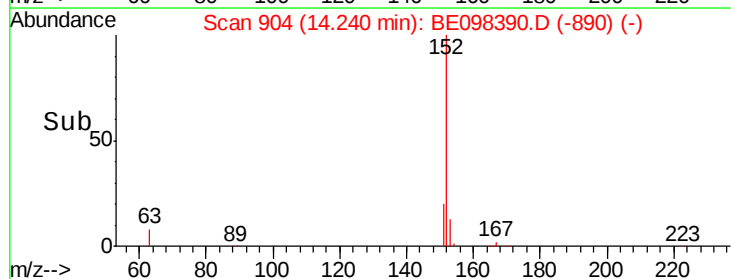
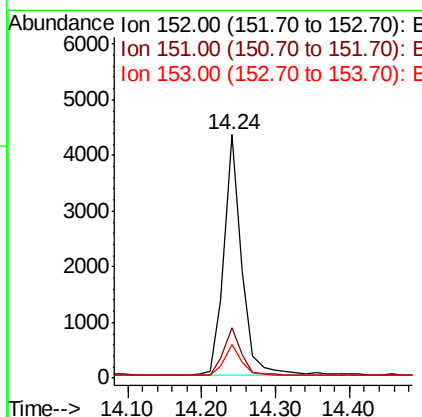
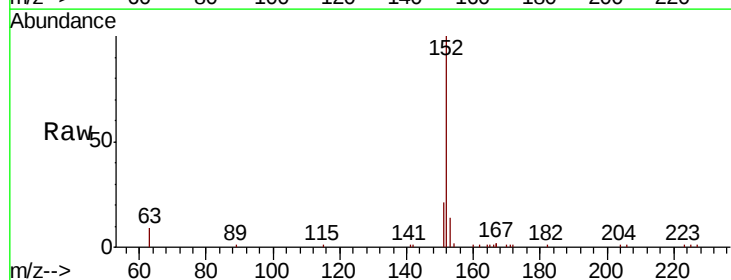
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 4547
Ion Ratio Lower Upper
172 100
171 33.2 27.5 41.3
170 22.7 19.6 29.4



#16
Acenaphthylene
Concen: 0.612 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

Tgt Ion:152 Resp: 7266
Ion Ratio Lower Upper
152 100
151 20.5 15.5 23.3
153 13.0 10.6 16.0

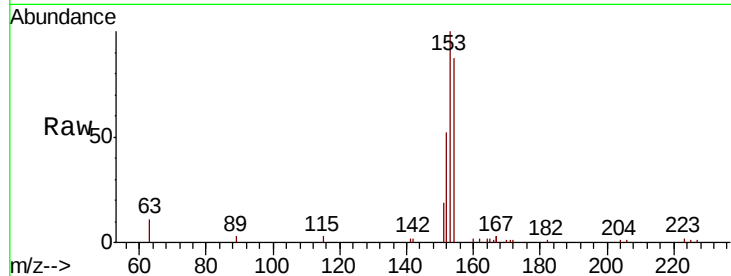




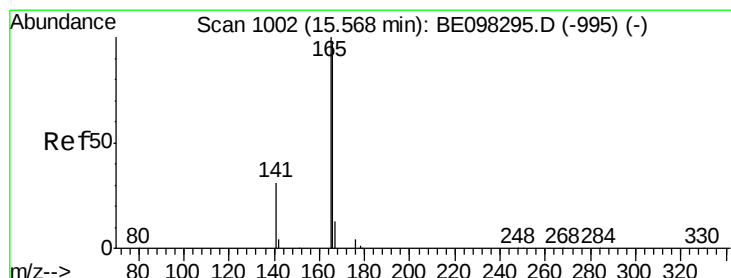
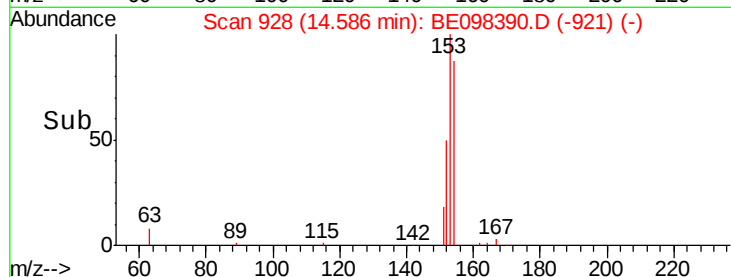
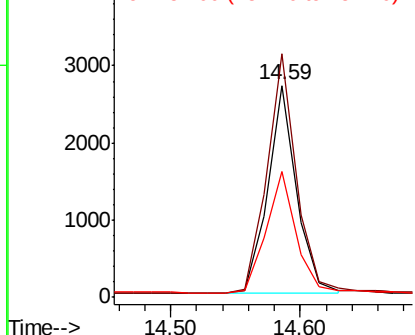
#17
Acenaphthene
Concen: 0.582 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4152
Ion Ratio Lower Upper
154 100
153 118.2 91.8 137.6
152 60.6 45.5 68.3

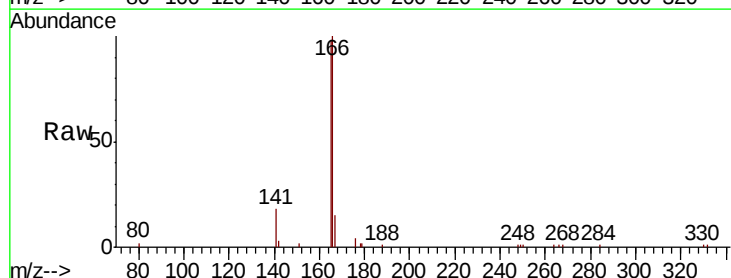


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

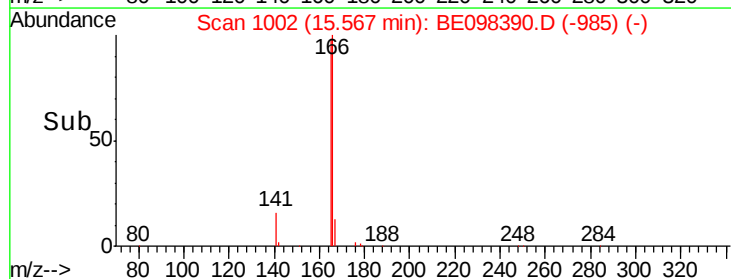
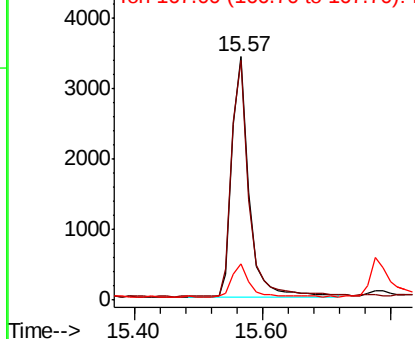


#18
Fluorene
Concen: 0.652 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

Tgt Ion:166 Resp: 6228
Ion Ratio Lower Upper
166 100
165 99.6 79.3 118.9
167 13.8 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: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

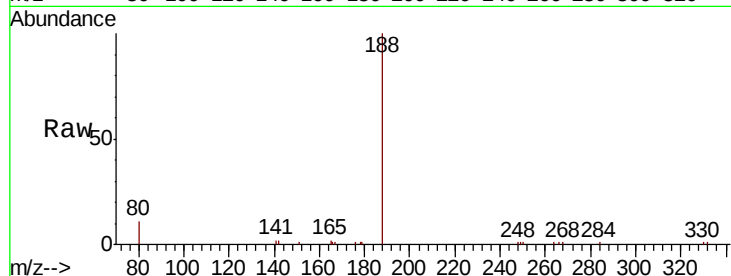
Tot Ion:188 Resp: 6800

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

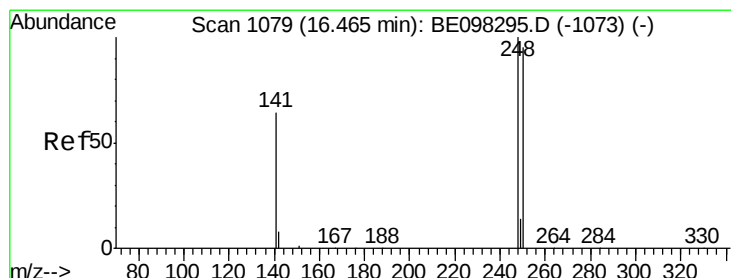
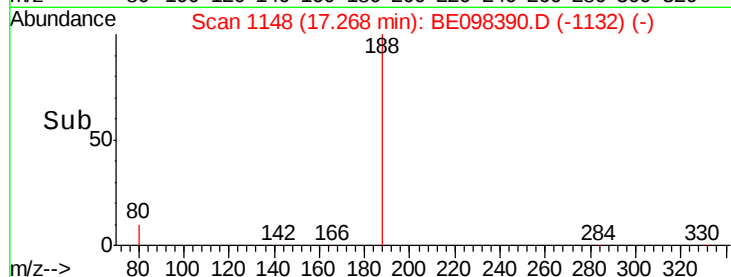
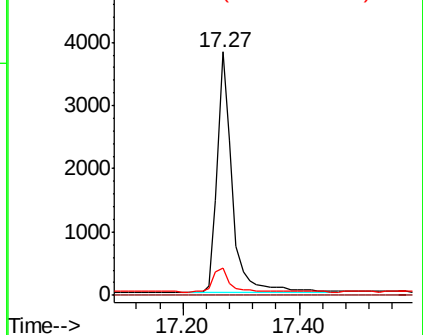
80 11.0 7.2 10.8#



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: 0.469 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

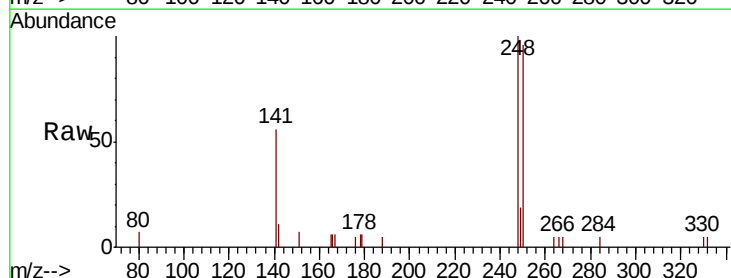
Tgt Ion:248 Resp: 1715

Ion Ratio Lower Upper

248 100

250 95.8 71.0 106.6

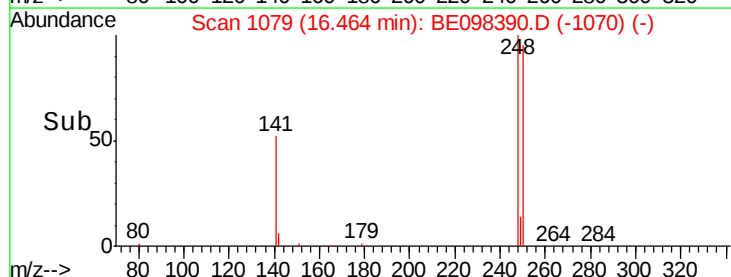
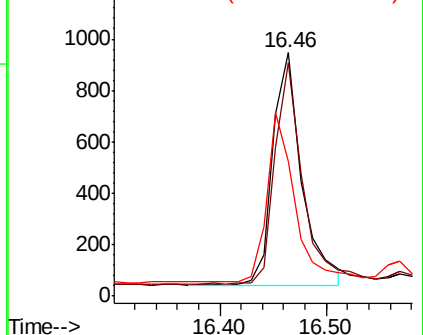
141 55.5 62.1 93.1#



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: 0.444 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampled :

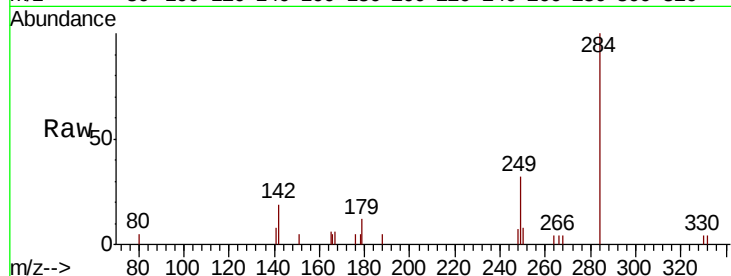
Tot Ion:284 Resp: 1747

Ion Ratio Lower Upper

284 100

142 34.8 26.3 39.5

249 35.4 26.0 39.0

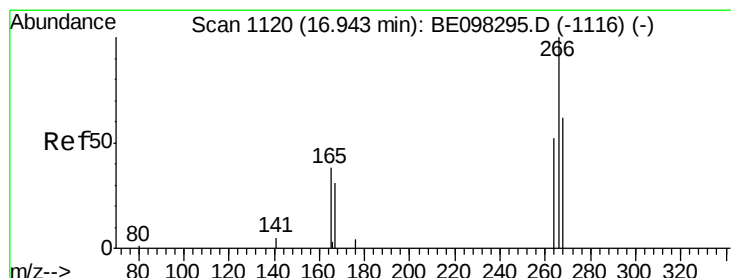
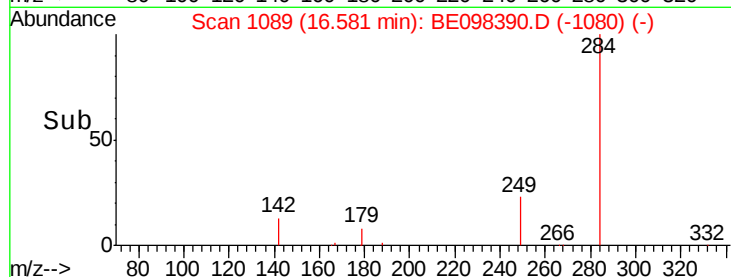
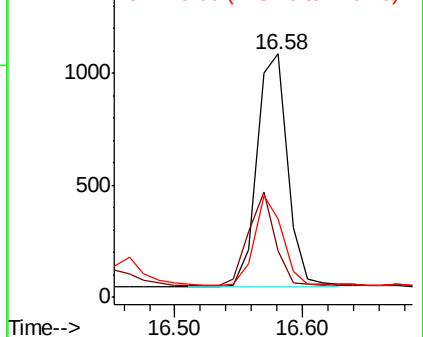


Abundance

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: 0.754 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

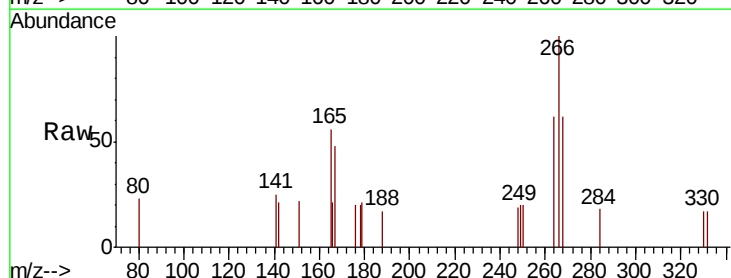
Tgt Ion:266 Resp: 536

Ion Ratio Lower Upper

266 100

264 61.7 59.0 88.4

268 62.4 55.1 82.7

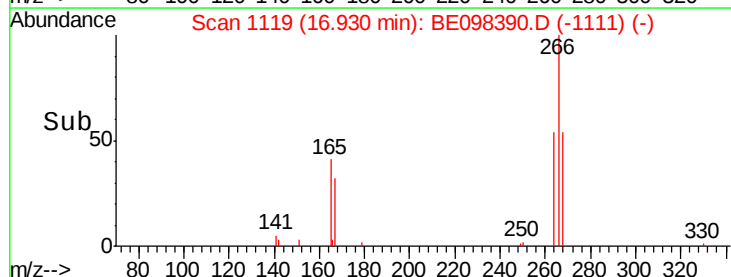
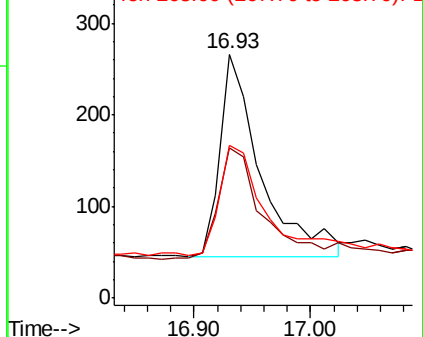


Abundance

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: 0.678 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

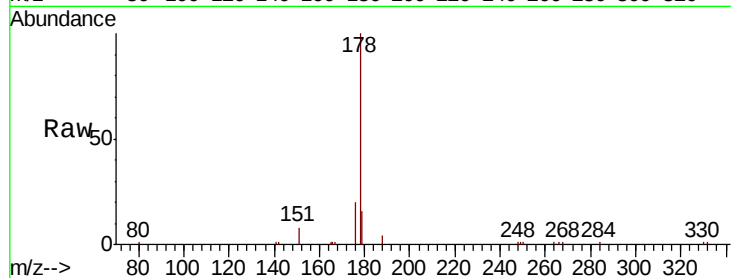
Tot Ion:178 Resp: 11204

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

179 15.4 12.3 18.5

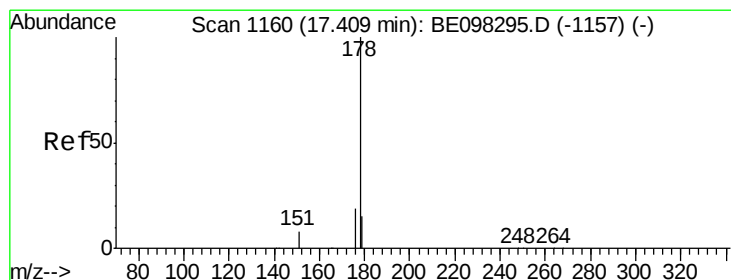
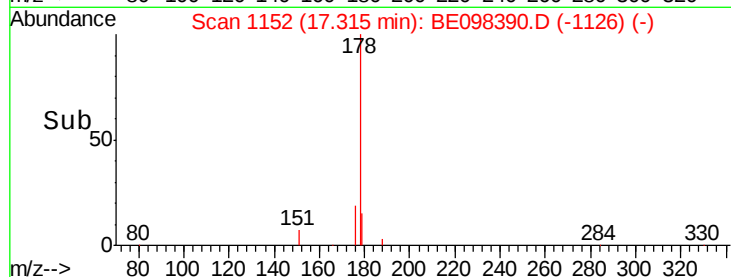
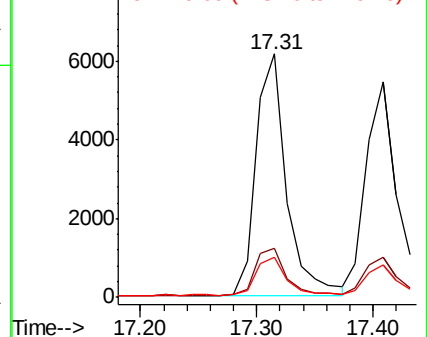


Abundance

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: 0.654 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

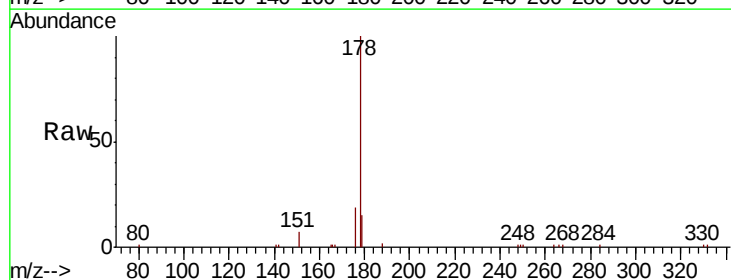
Tgt Ion:178 Resp: 9638

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 14.7 12.3 18.5

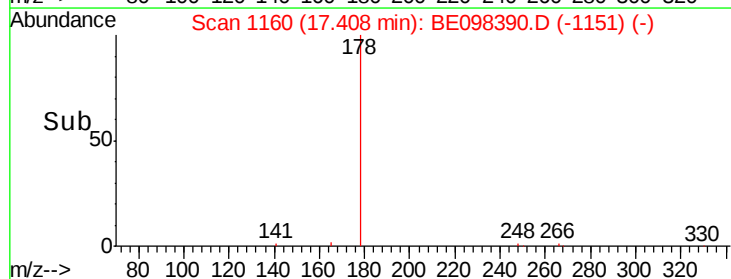
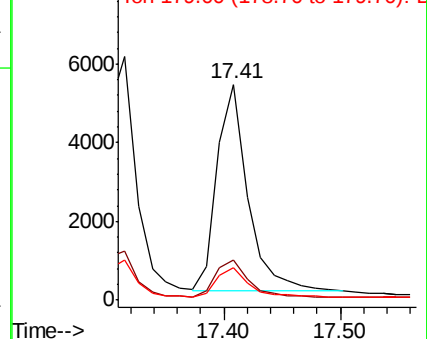


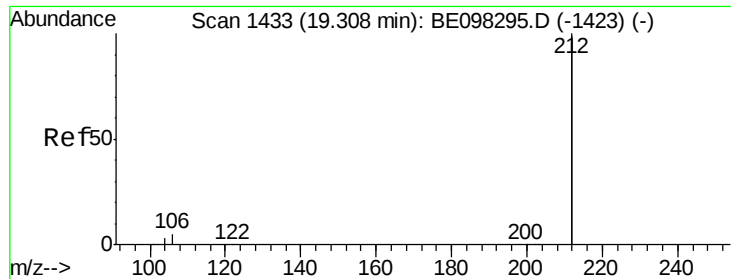
Abundance

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: 0.465 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

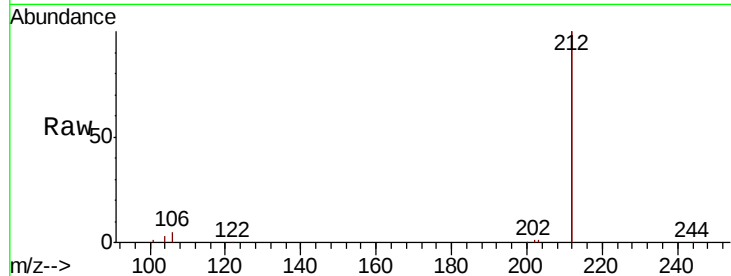
Tot Ion:212 Resp: 40596

Ion Ratio Lower Upper

212 100

106 2.5 2.2 3.2

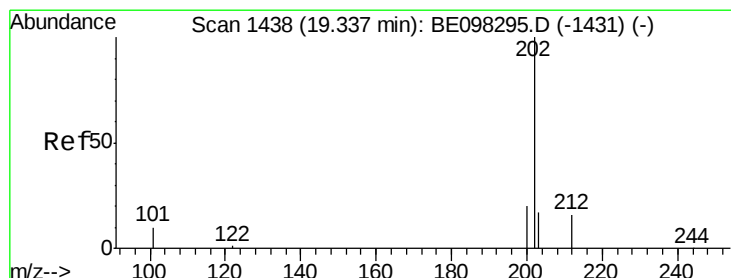
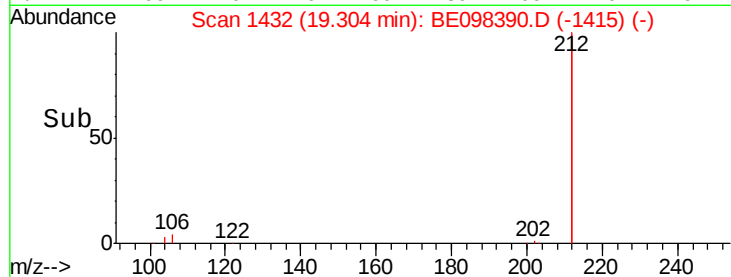
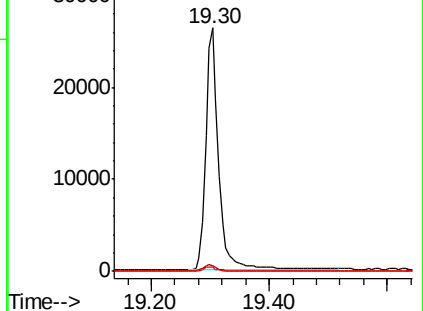
104 1.5 1.3 1.9



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: 0.740 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

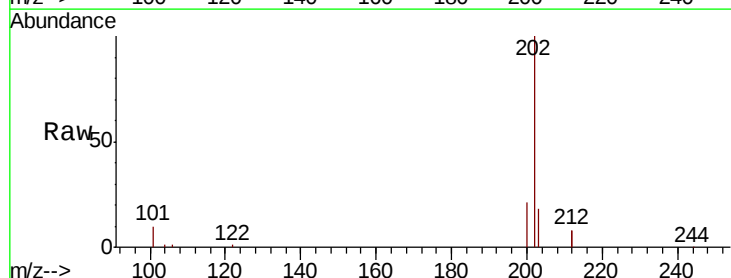
Tgt Ion:202 Resp: 16174

Ion Ratio Lower Upper

202 100

101 9.4 8.0 12.0

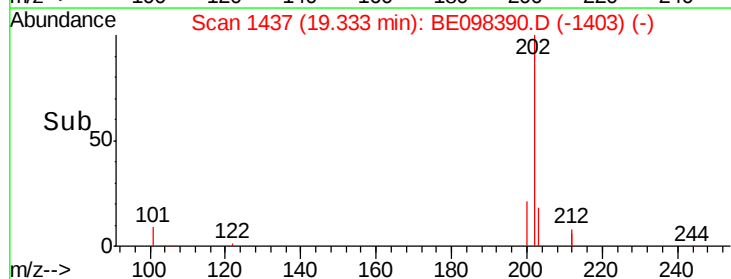
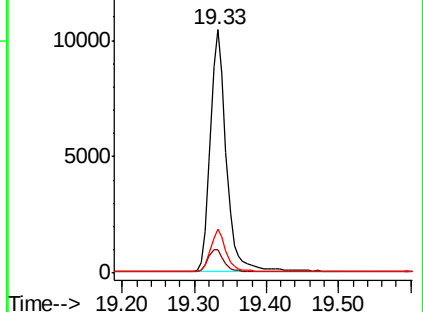
203 17.3 13.8 20.6

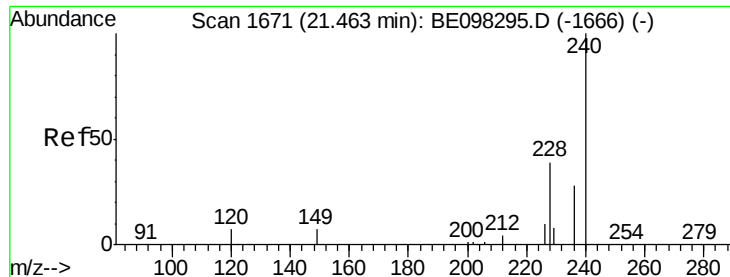


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

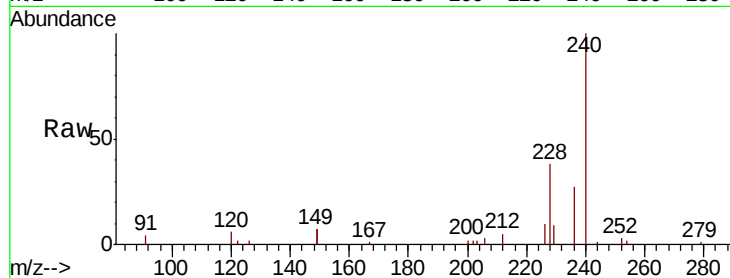
Tot Ion:240 Resp: 8923

Ion Ratio Lower Upper

240 100

120 6.0 9.5 14.3#

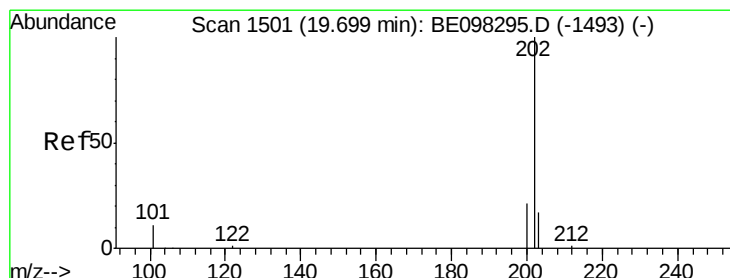
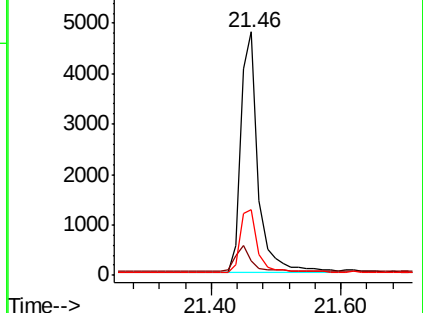
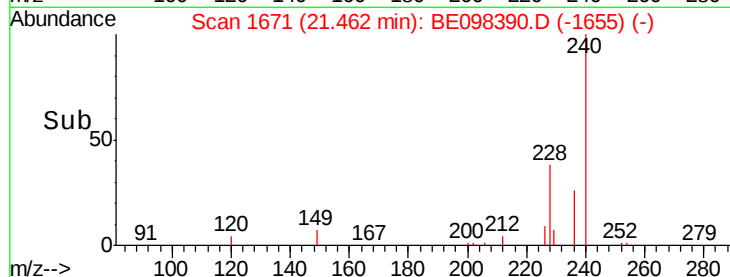
236 27.2 22.7 34.1



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: 0.594 ng

RT: 19.69 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

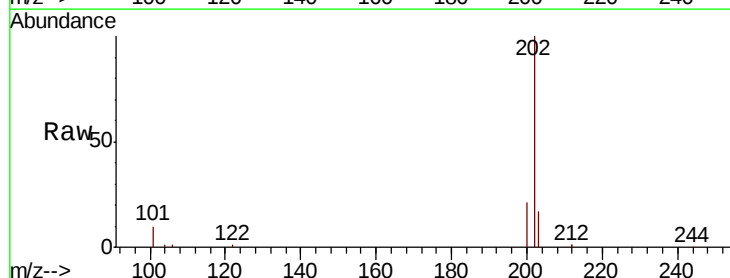
Tgt Ion:202 Resp: 16644

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

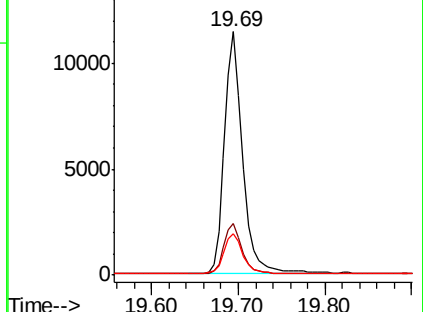
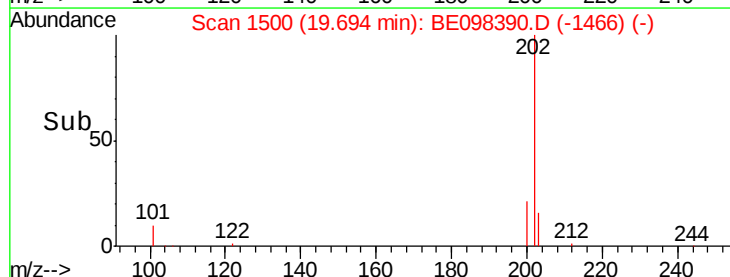
203 17.3 14.1 21.1

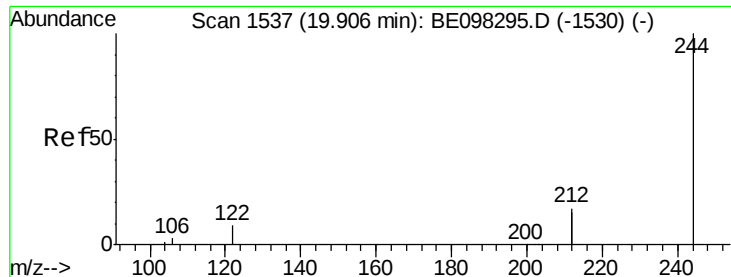


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.370 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

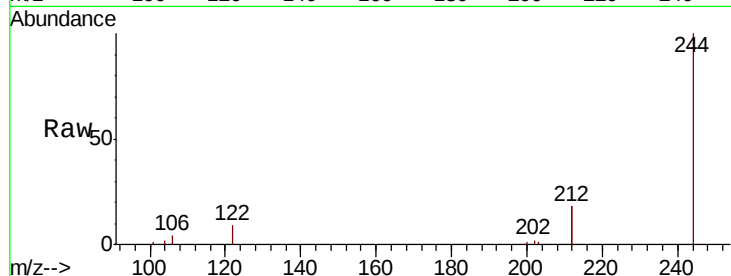
Tot Ion:244 Resp: 8019

Ion Ratio Lower Upper

244 100

212 36.7 27.4 41.0

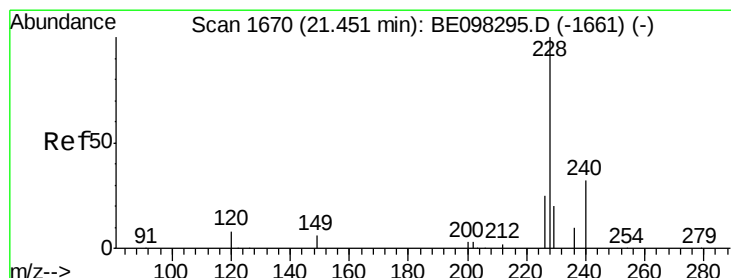
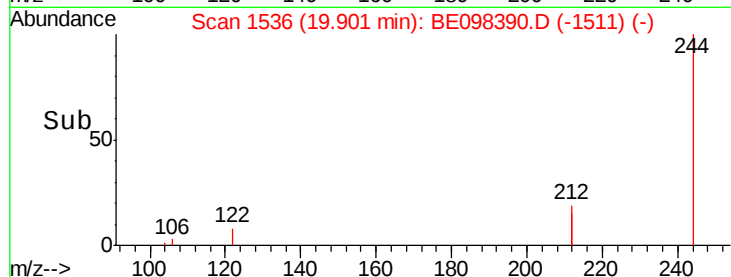
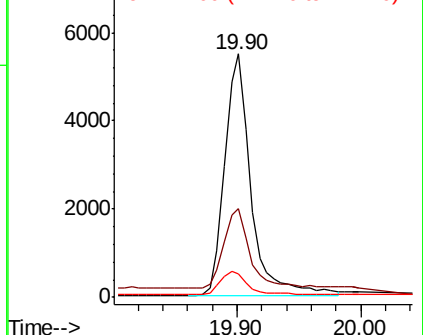
122 9.5 8.3 12.5



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: 0.673 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

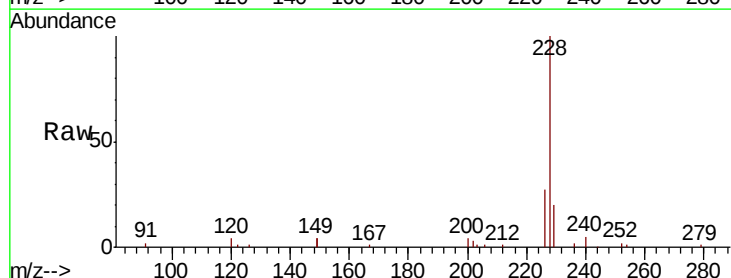
Tgt Ion:228 Resp: 17090

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

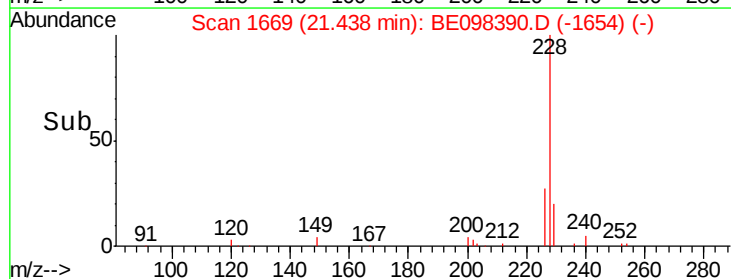
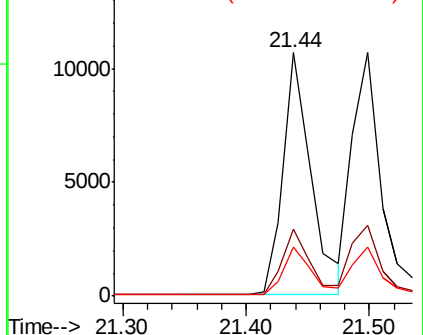
229 20.1 16.3 24.5



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

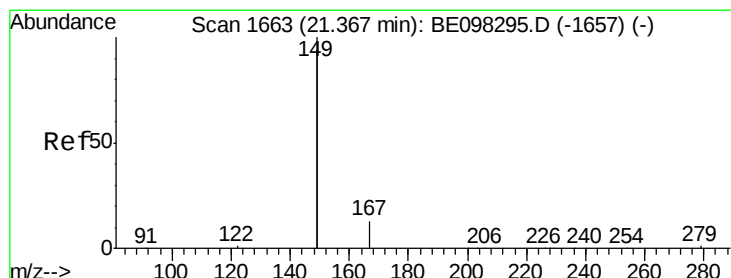
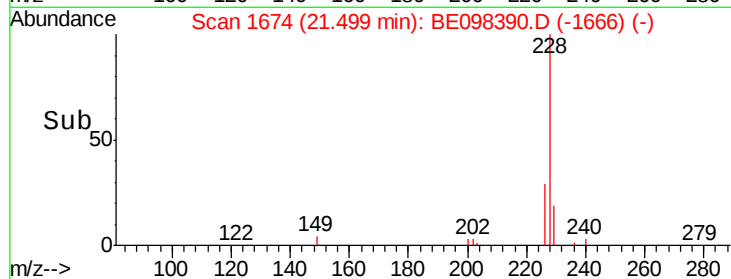
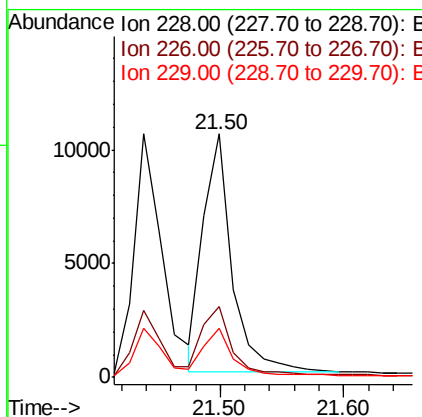
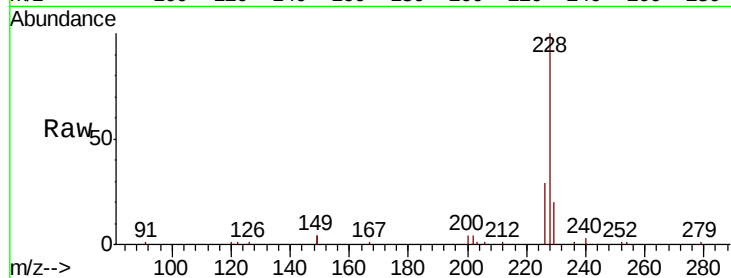




#31
 Chrysene
 Concen: 0.633 ng
 RT: 21.50 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: BE098390.D
 Acq: 13 Dec 2018 10:47

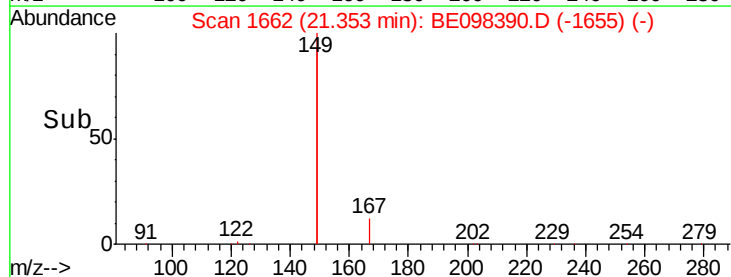
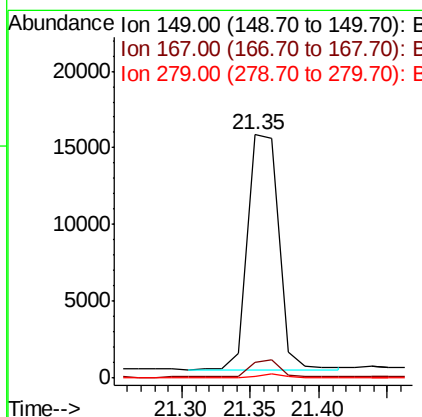
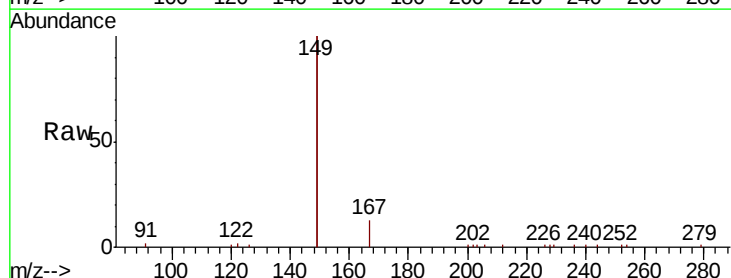
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 16858
 Ion Ratio Lower Upper
 228 100
 226 29.2 23.4 35.0
 229 19.9 16.2 24.4



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.466 ng
 RT: 21.35 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BE098390.D
 Acq: 13 Dec 2018 10:47

Tgt Ion:149 Resp: 24056
 Ion Ratio Lower Upper
 149 100
 167 6.7 5.7 8.5
 279 1.0 1.0 1.4

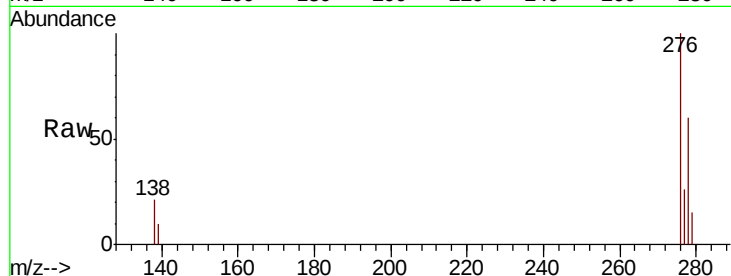




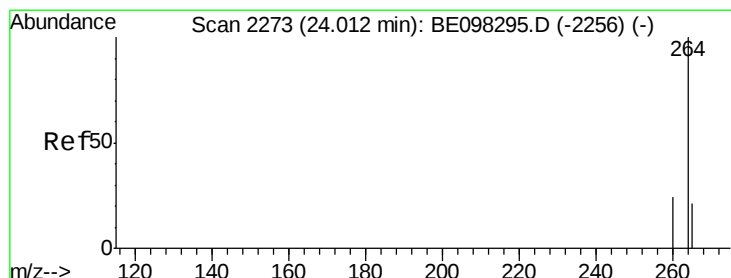
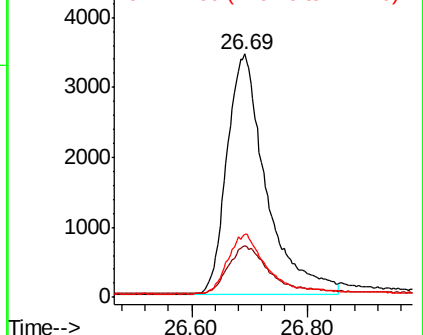
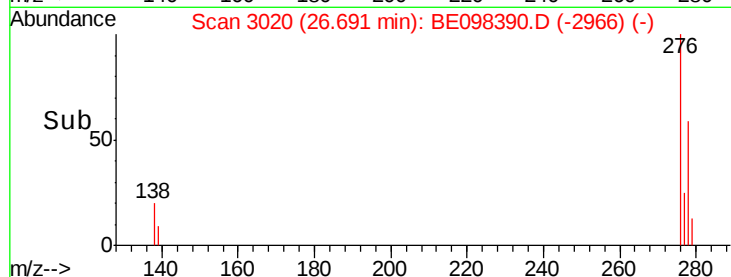
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.608 ng
RT: 26.69 min Scan# 3020
Delta R.T. -0.01 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 16098
Ion Ratio Lower Upper
276 100
138 20.8 16.3 24.5
277 24.4 20.2 30.4

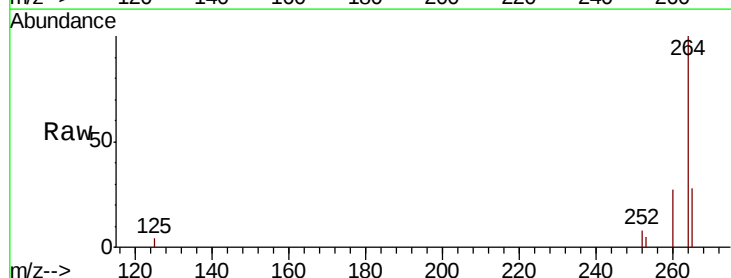


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

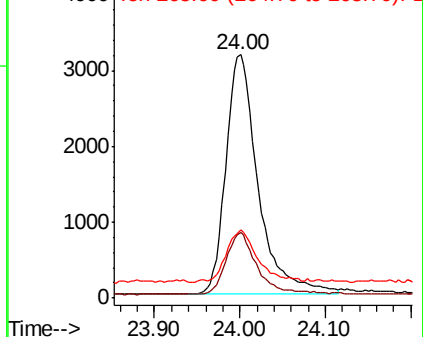
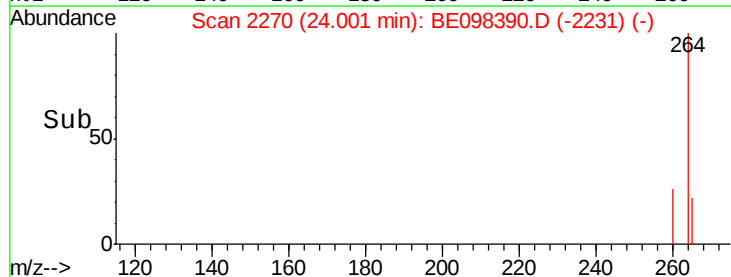


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.00 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BE098390.D
Acq: 13 Dec 2018 10:47

Tgt Ion:264 Resp: 8286
Ion Ratio Lower Upper
264 100
260 26.9 20.2 30.2
265 28.0 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: 0.808 ng

RT: 23.27 min Scan# 2066

Delta R.T. 0.05 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

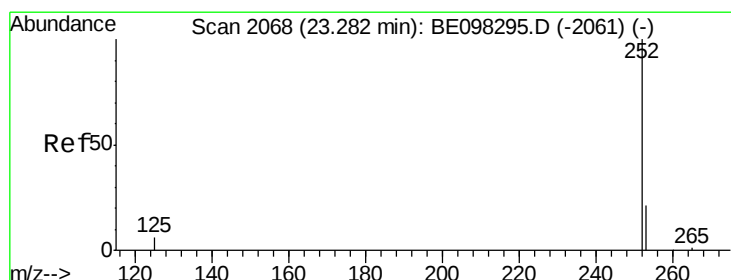
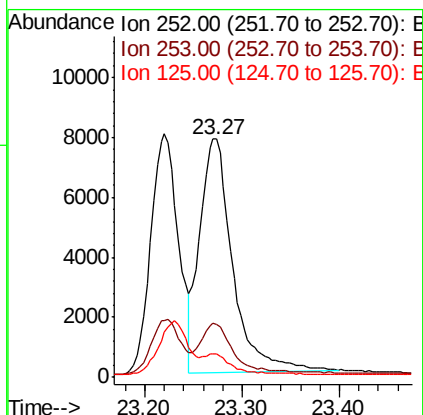
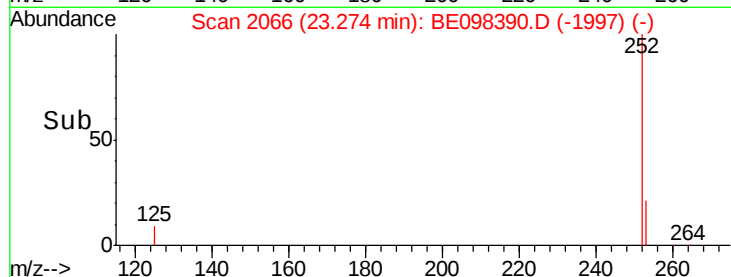
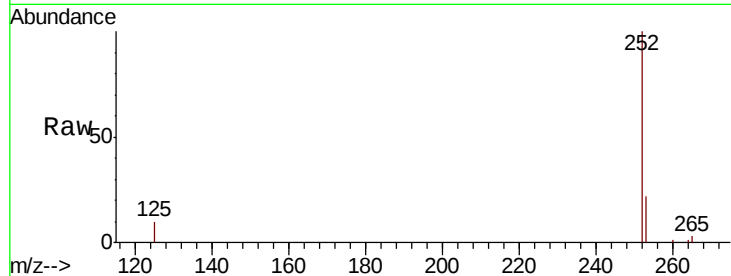
Tot Ion:252 Resp: 18298

Ion Ratio Lower Upper

252 100

253 22.5 20.0 30.0

125 9.8 9.6 14.4



#36

Benzo(k)fluoranthene

Concen: 0.718 ng

RT: 23.27 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

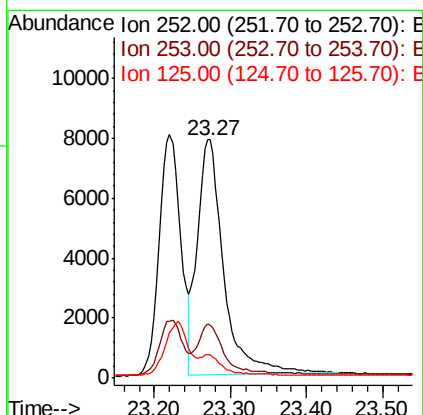
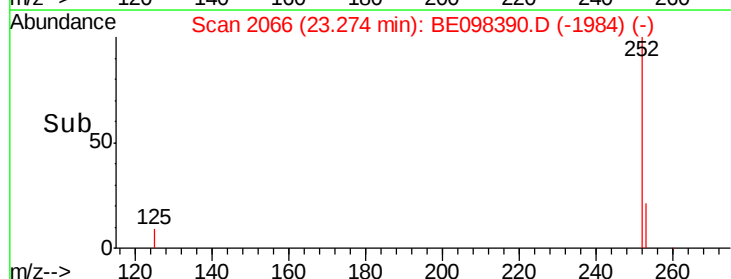
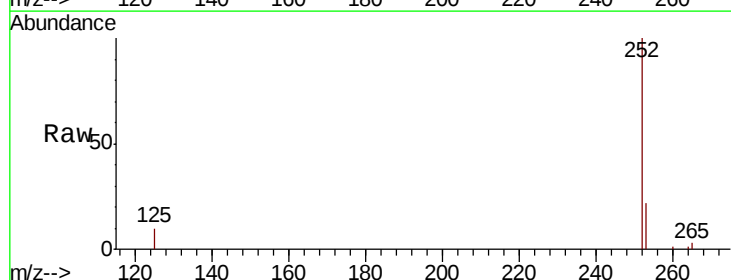
Tgt Ion:252 Resp: 18959

Ion Ratio Lower Upper

252 100

253 22.5 19.0 28.6

125 9.8 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.691 ng

RT: 23.89 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :

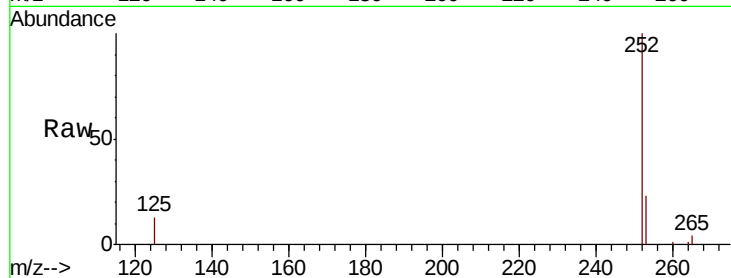
Tot Ion:252 Resp: 16161

Ion Ratio Lower Upper

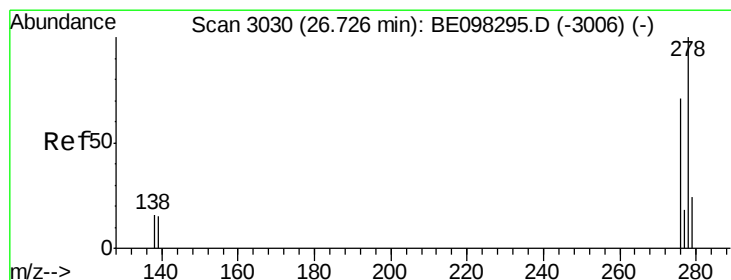
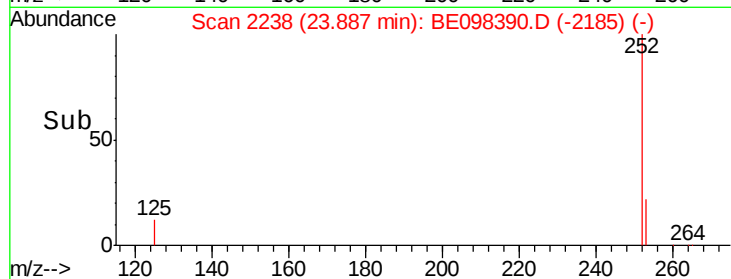
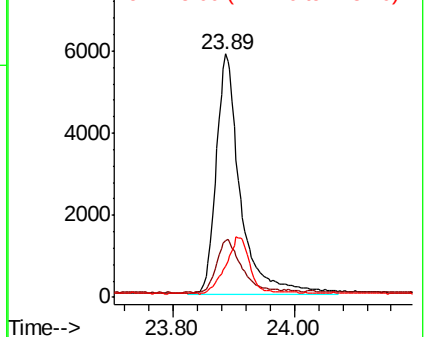
252 100

253 23.3 20.6 30.8

125 13.0 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: 0.617 ng

RT: 26.71 min Scan# 3025

Delta R.T. -0.02 min

Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

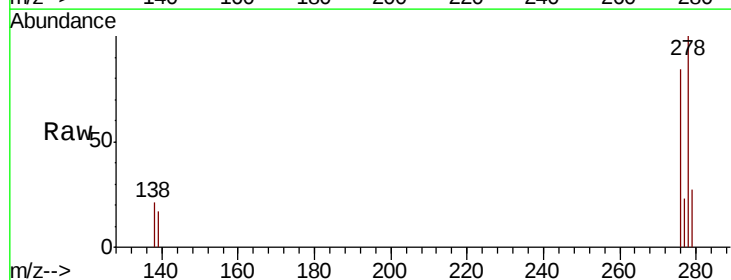
Tgt Ion:278 Resp: 13594

Ion Ratio Lower Upper

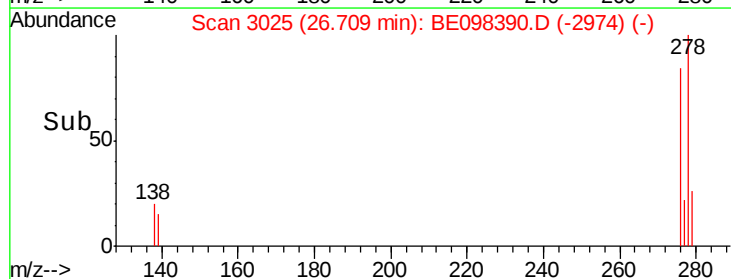
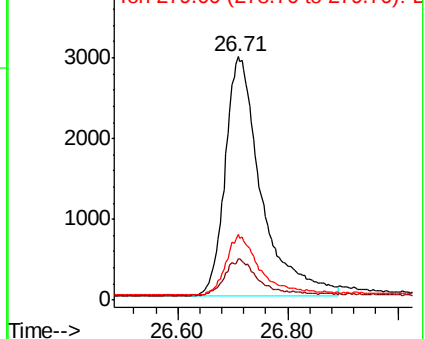
278 100

139 16.7 14.5 21.7

279 27.2 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: 0.590 ng

RT: 27.50 min Scan# 3248

Delta R.T. -0.02 min

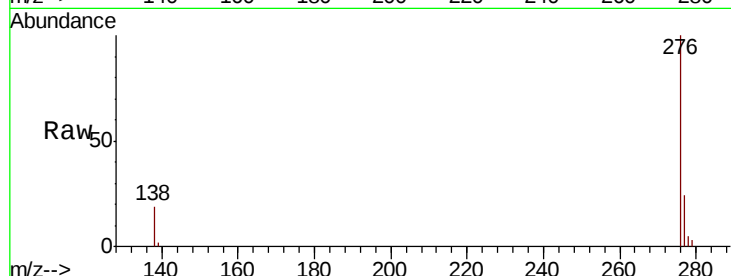
Lab File: BE098390.D

Acq: 13 Dec 2018 10:47

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 13089

Ion Ratio Lower Upper

276 100

277 23.7 20.8 31.2

138 19.0 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

