

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122118\
 Data File : BE098552.D
 Acq On : 21 Dec 2018 13:29
 Operator : SJ/JU
 Sample : J6398-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 21 15:29:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	468	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	2189	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	1771	0.40	ng	-0.01
19) Phenanthrene-d10	17.26	188	5909	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	9728	0.40	ng	-0.01
34) Perylene-d12	23.99	264	8129	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.44	112	269	0.25	ng	0.00
5) Phenol-d6	7.03	99	237	0.15	ng	-0.01
8) Nitrobenzene-d5	9.03	82	612	0.31	ng	0.01
11) 2-Methylnaphthalene-d10	12.25	152	1878	0.53	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	415	0.64	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	2622	0.35	ng	-0.01
25) Fluoranthene-d10	19.30	212	35803	0.47	ng	-0.01
29) Terphenyl-d14	19.89	244	7651	0.32	ng	-0.02

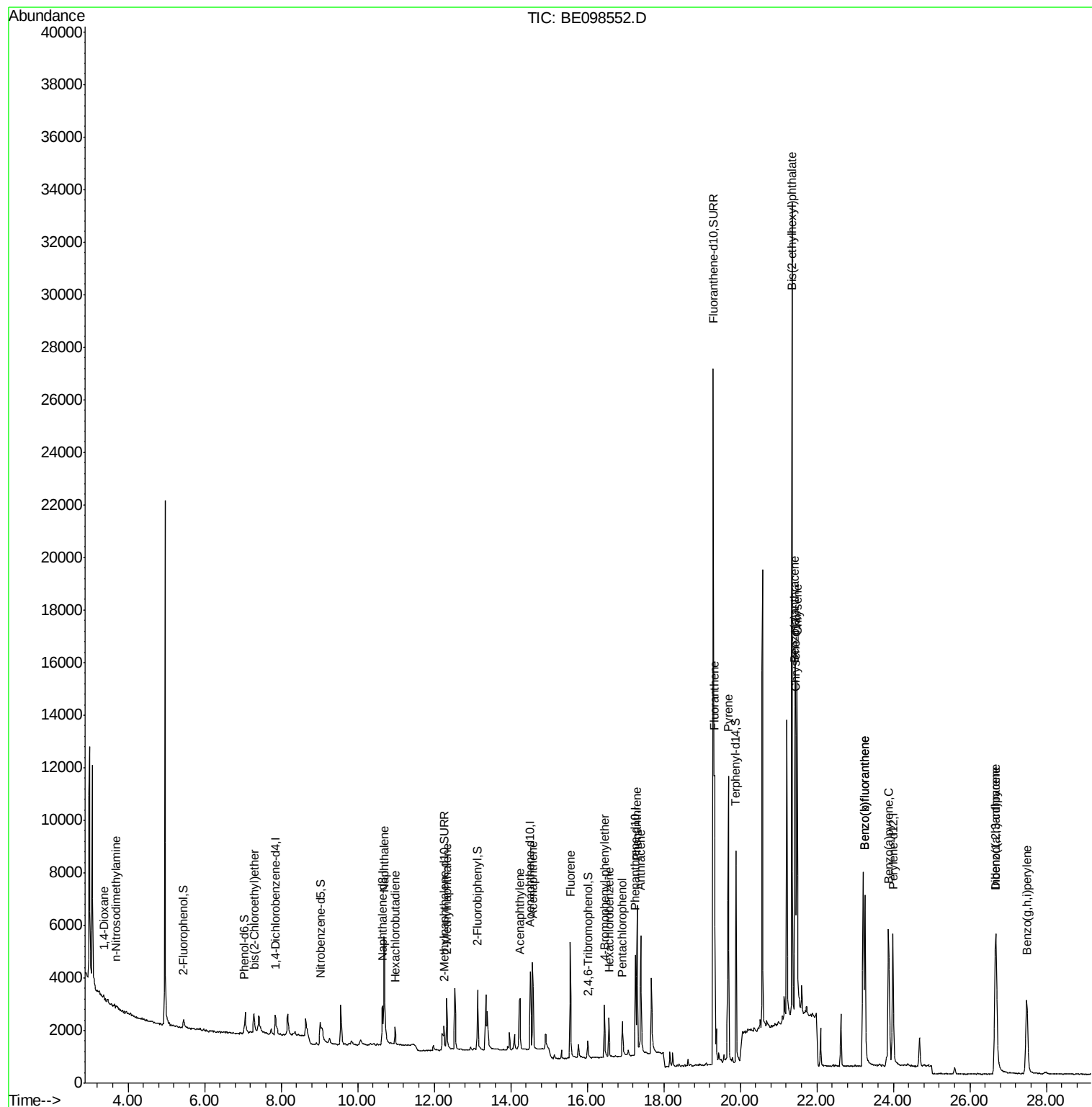
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	108	0.133	ng	# 26
3) n-Nitrosodimethylamine	3.68	42	87	0.119	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	500	0.339	ng	94
9) Naphthalene	10.69	128	8831	0.401	ng	# 97
10) Hexachlorobutadiene	10.98	225	473	0.337	ng	98
12) 2-Methylnaphthalene	12.32	142	1587	0.443	ng	94
16) Acenaphthylene	14.24	152	2903	0.350	ng	98
17) Acenaphthene	14.57	154	1858	0.373	ng	98
18) Fluorene	15.56	166	2908	0.436	ng	98
20) 4-Bromophenyl-phenylether	16.45	248	1053	0.331	ng	90
21) Hexachlorobenzene	16.57	284	1173	0.343	ng	96
22) Pentachlorophenol	16.92	266	863	1.231	ng	94
23) Phenanthrene	17.30	178	6082	0.424	ng	99
24) Anthracene	17.40	178	5394	0.421	ng	99
26) Fluoranthene	19.33	202	10094	0.531	ng	99
28) Pyrene	19.69	202	10618	0.348	ng	98
30) Benzo(a)anthracene	21.43	228	11467	0.414	ng	97
31) Chrysene	21.49	228	11128	0.383	ng	98
32) Bis(2-ethylhexyl)phthalate	21.35	149	32903	0.585	ng	99
33) Indeno(1,2,3-cd)pyrene	26.67	276	8933	0.309	ng	# 90
35) Benzo(b)fluoranthene	23.26	252	10764	0.484	ng	97
36) Benzo(k)fluoranthene	23.26	252	10764	0.416	ng	98
37) Benzo(a)pyrene	23.87	252	9423	0.411	ng	98
38) Dibenzo(a,h)anthracene	26.69	278	7325	0.339	ng	100
39) Benzo(g,h,i)perylene	27.49	276	7733	0.355	ng	97

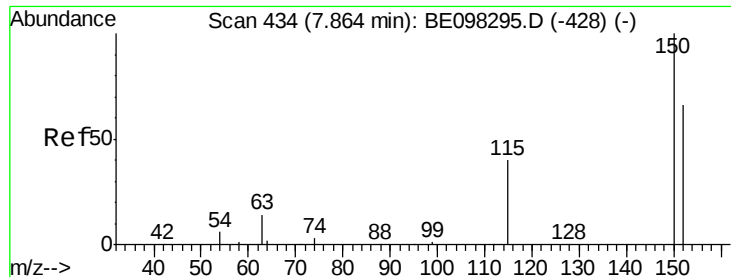
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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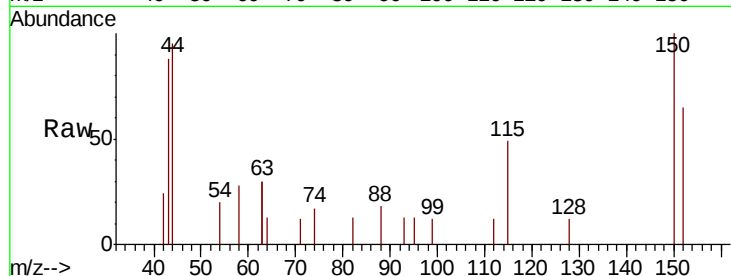


#1

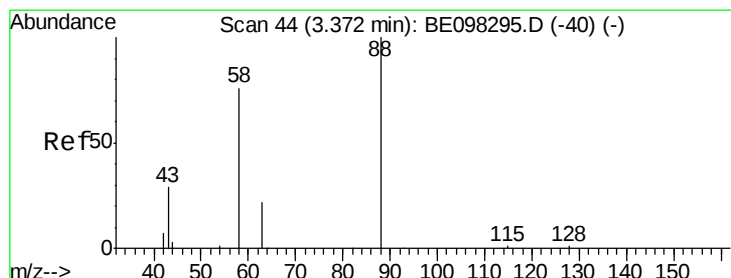
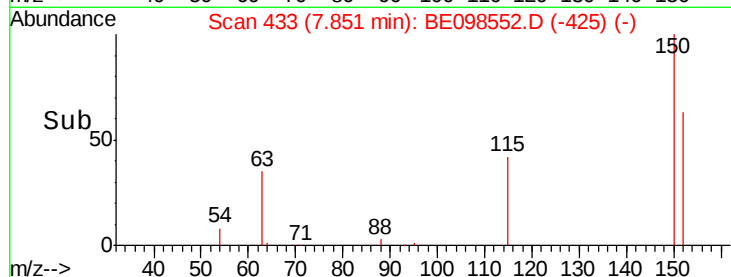
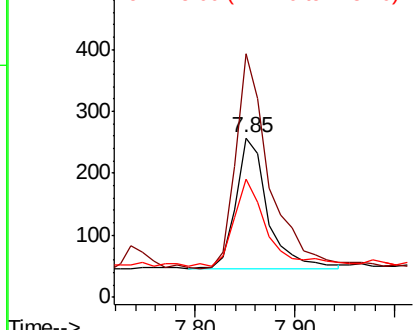
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 468
Ion Ratio Lower Upper
152 100
150 152.9 124.2 186.4
115 74.3 53.9 80.9



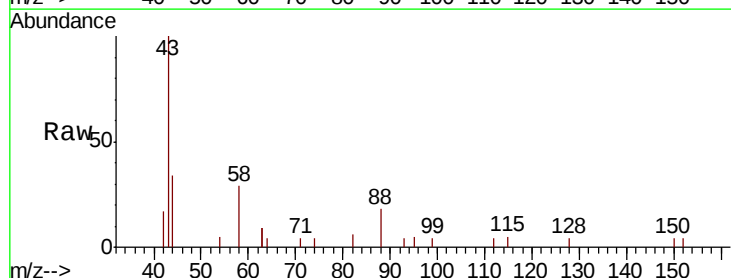
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



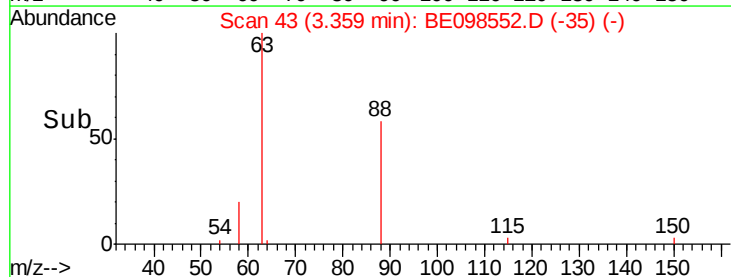
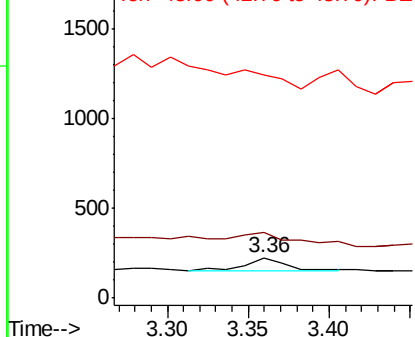
#2

1,4-Dioxane
Concen: 0.133 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
58 166.7 75.0 112.6#
43 0.0 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



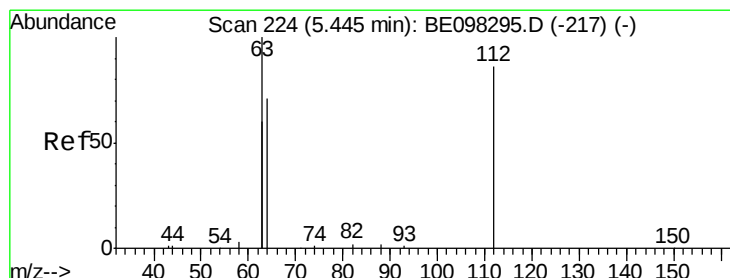
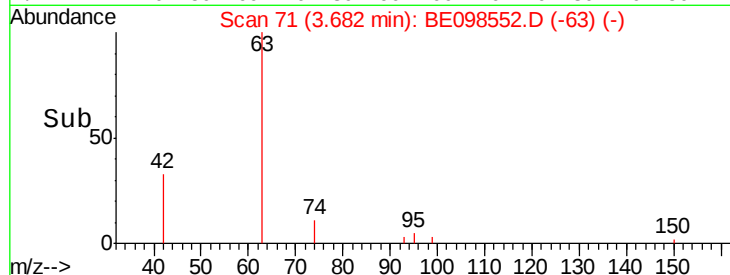
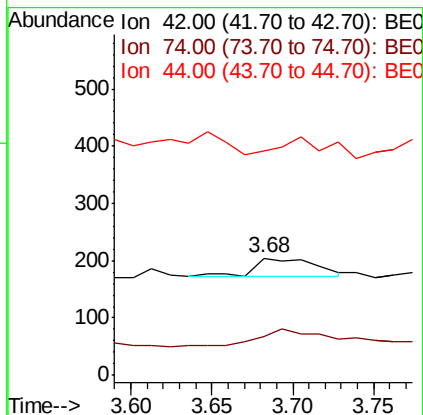
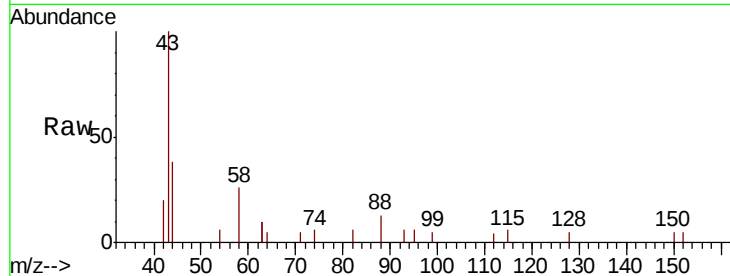


#3

n-Nitrosodimethylamine
 Concen: 0.119 ng
 RT: 3.68 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE098552.D
 Acq: 21 Dec 2018 13:29

Instrument :
 BNA_E
 ClientSampled :

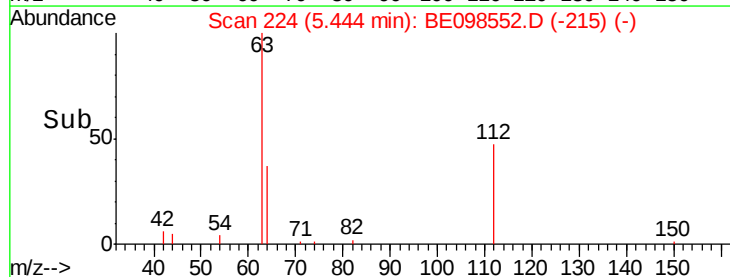
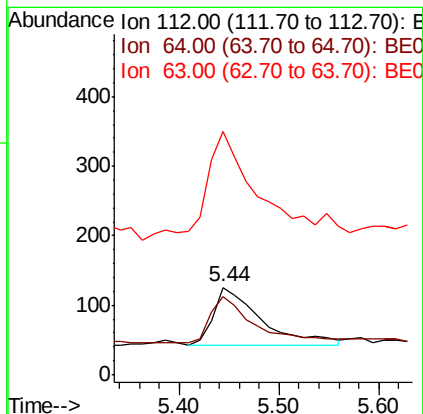
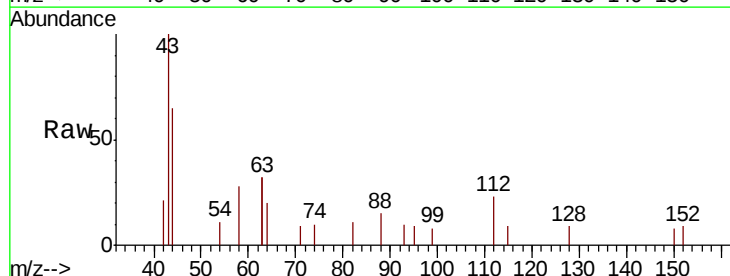
Tot Ion: 42 Resp: 87
 Ion Ratio Lower Upper
 42 100
 74 86.2 0.0 0.0#
 44 0.0 0.0 0.0



#4

2-Fluorophenol
 Concen: 0.246 ng
 RT: 5.44 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: BE098552.D
 Acq: 21 Dec 2018 13:29

Tgt Ion: 112 Resp: 269
 Ion Ratio Lower Upper
 112 100
 64 85.1 59.8 89.8
 63 223.0 133.7 200.5#





#5

Phenol-d6

Concen: 0.153 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

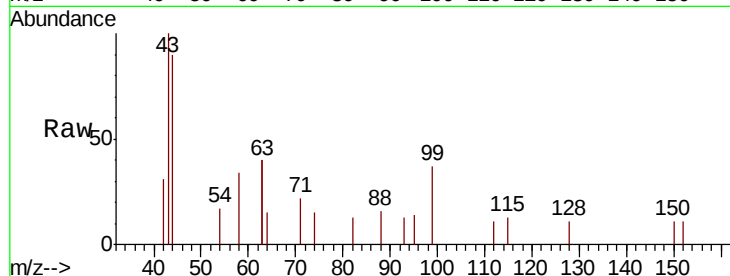
Tot Ion: 99 Resp: 237

Ion Ratio Lower Upper

99 100

42 67.5 26.3 39.5#

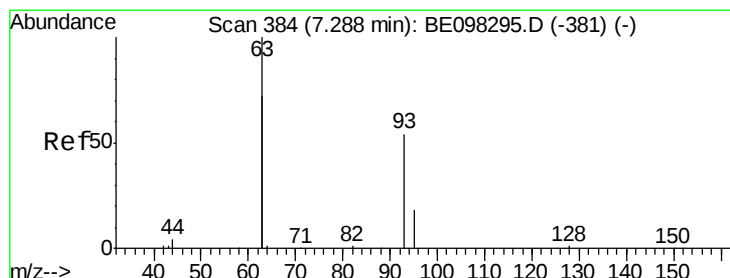
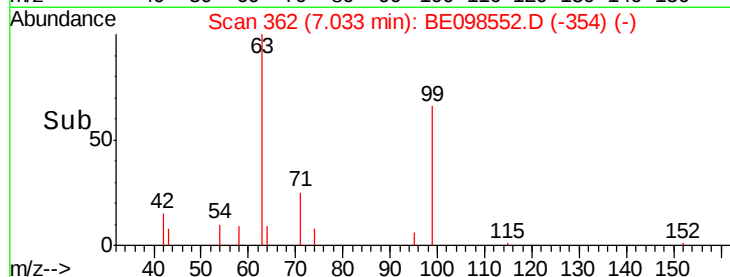
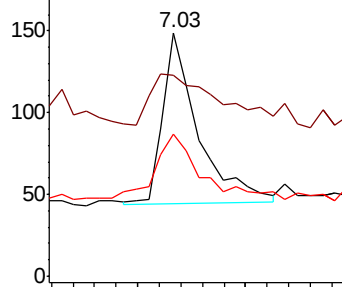
71 49.4 33.6 50.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.339 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

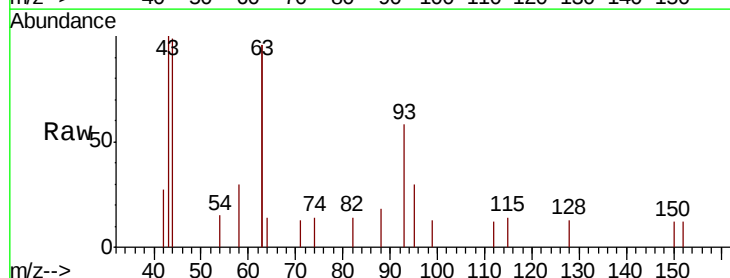
Tgt Ion: 93 Resp: 500

Ion Ratio Lower Upper

93 100

63 317.0 264.4 396.6

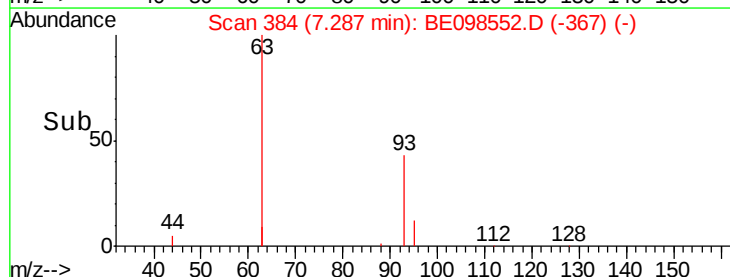
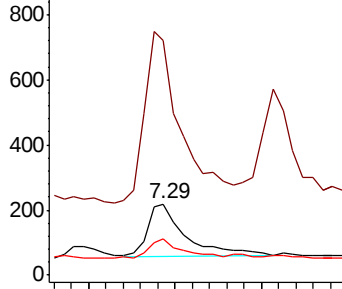
95 33.4 26.6 40.0



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: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2189

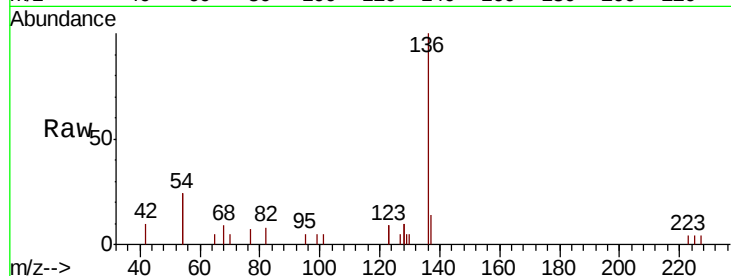
Ion Ratio Lower Upper

136 100

137 14.3 9.2 13.8#

54 48.7 28.4 42.6#

68 9.0 5.4 8.0#

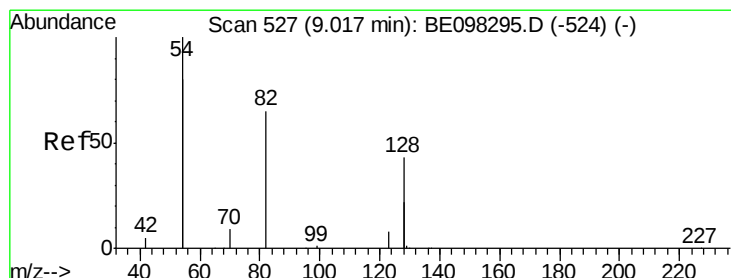
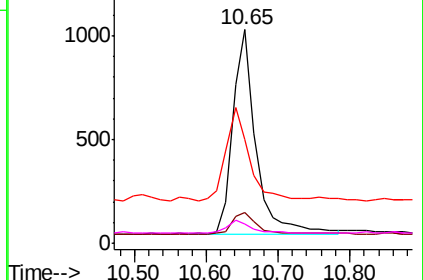
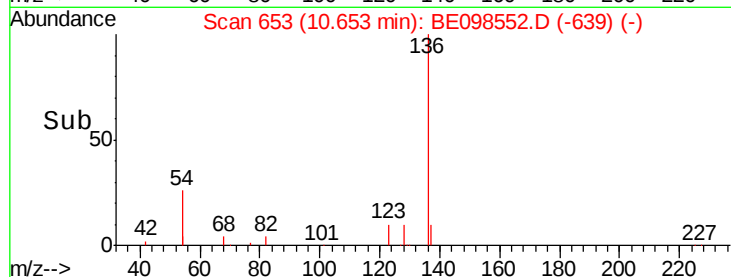


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.307 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

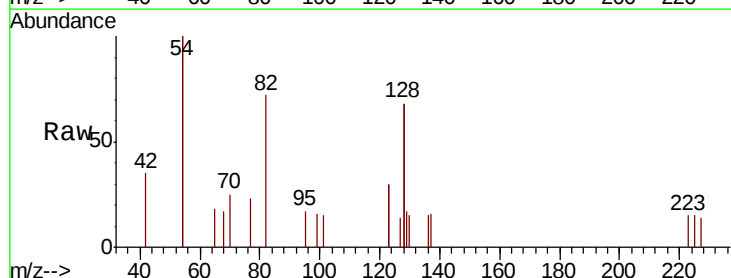
Tgt Ion: 82 Resp: 612

Ion Ratio Lower Upper

82 100

128 188.2 102.4 153.6#

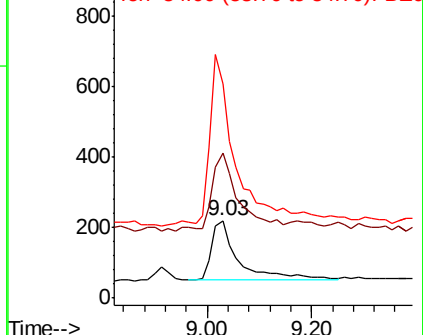
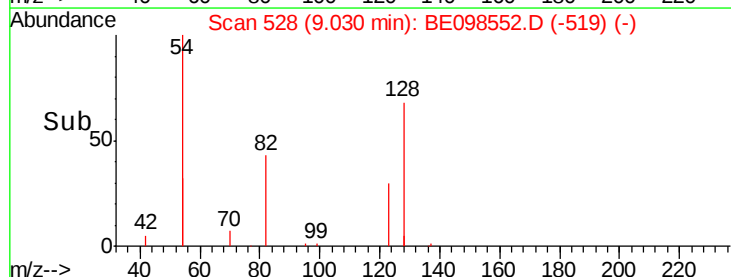
54 277.3 221.8 332.8

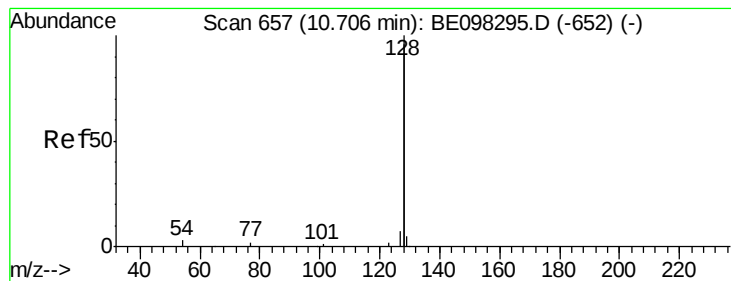


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.401 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

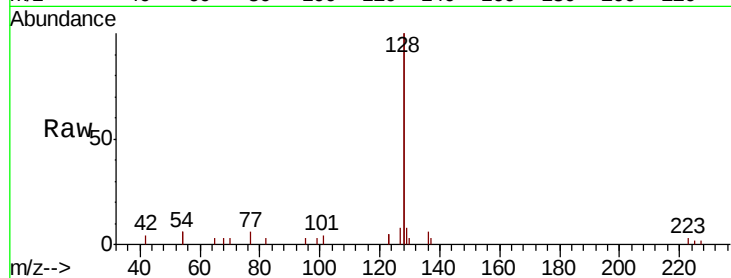
Tot Ion:128 Resp: 8831

Ion Ratio Lower Upper

128 100

129 4.0 2.5 3.7#

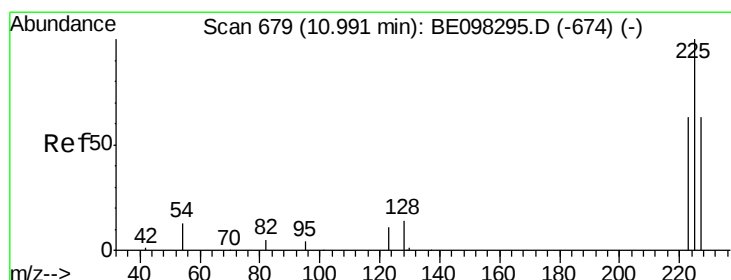
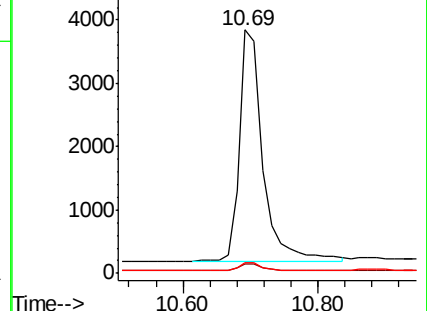
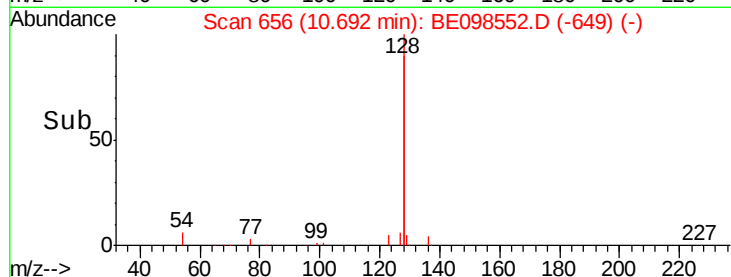
127 4.2 2.7 4.1#



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: 0.337 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

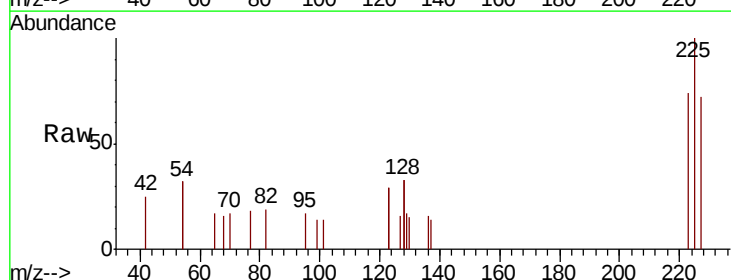
Tgt Ion:225 Resp: 473

Ion Ratio Lower Upper

225 100

223 63.2 49.4 74.0

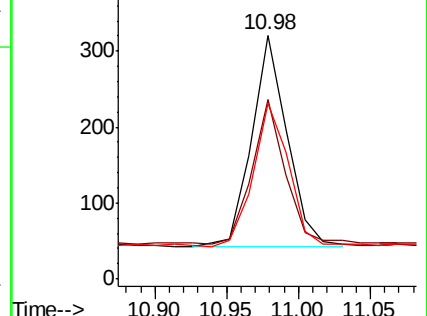
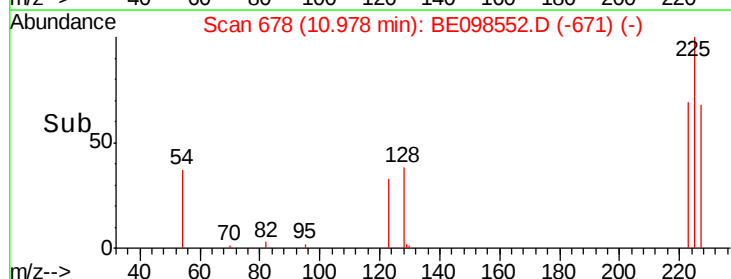
227 66.8 52.0 78.0

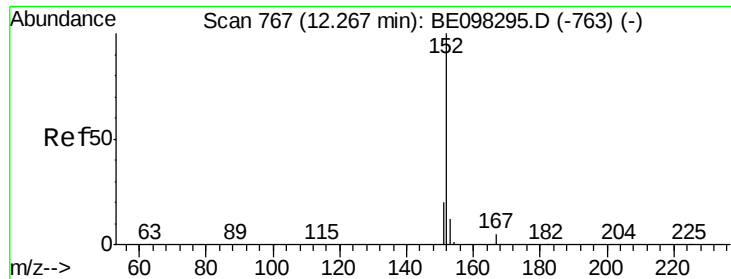


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.528 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

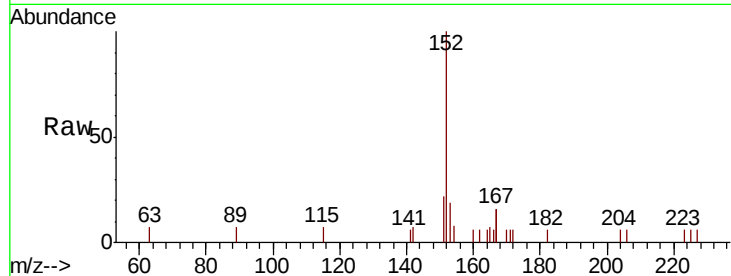
ClientSampleId :

Tot Ion:152 Resp: 1878

Ion Ratio Lower Upper

152 100

151 14.6 16.2 24.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.25

800

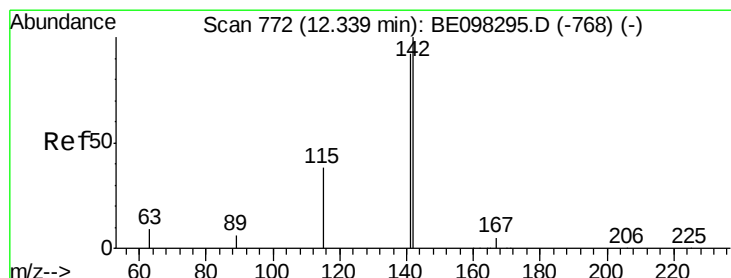
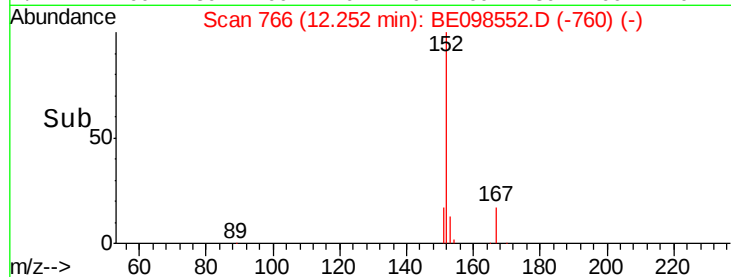
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.443 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

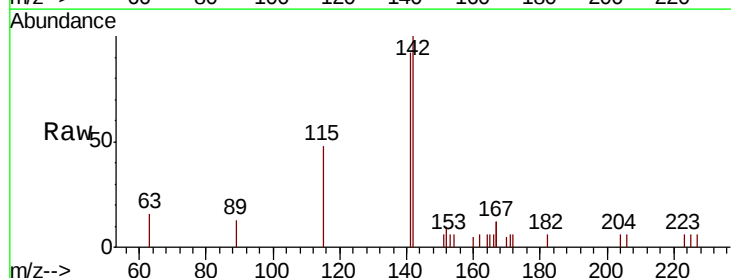
Tgt Ion:142 Resp: 1587

Ion Ratio Lower Upper

142 100

141 91.6 71.0 106.6

115 47.7 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.32

1000

800

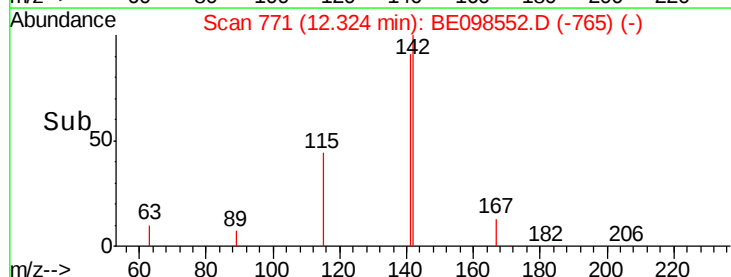
600

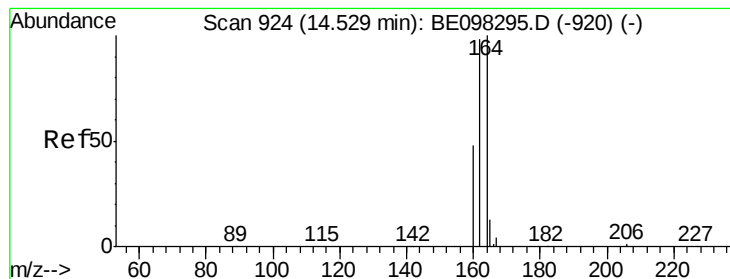
400

200

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

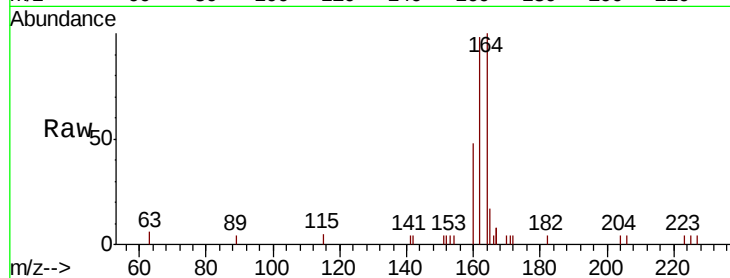
Tot Ion:164 Resp: 1771

Ion Ratio Lower Upper

164 100

162 97.7 77.6 116.4

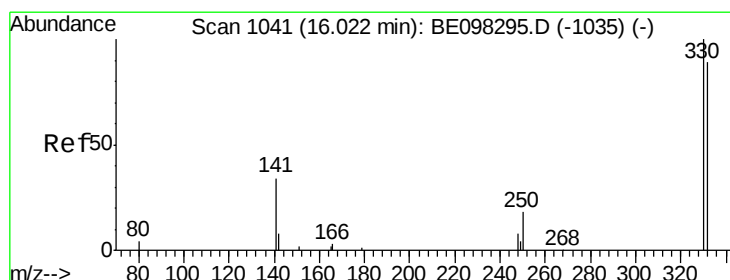
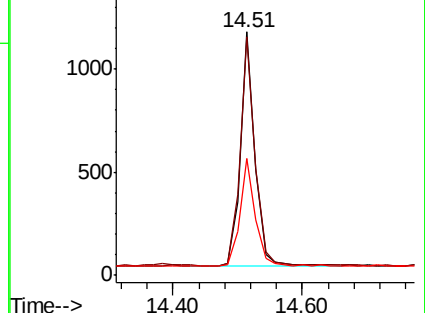
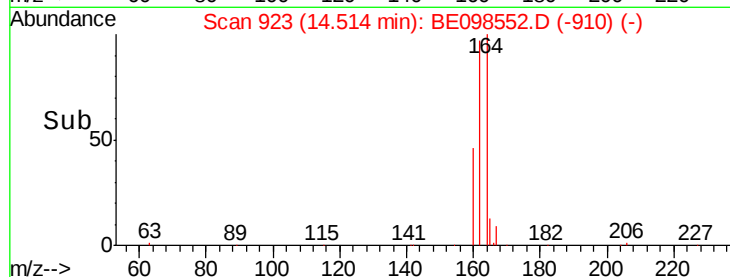
160 48.1 36.0 54.0



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: 0.638 ng

RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

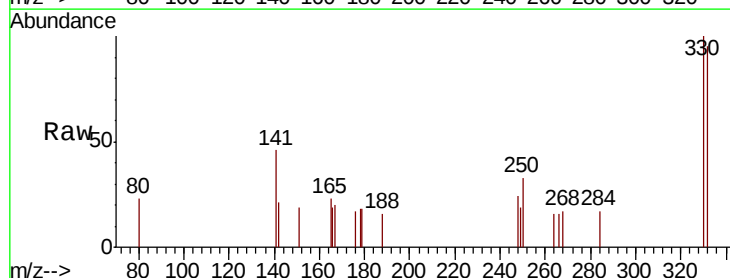
Tgt Ion:330 Resp: 415

Ion Ratio Lower Upper

330 100

332 97.8 76.2 114.4

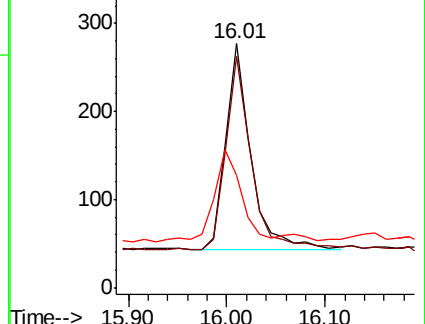
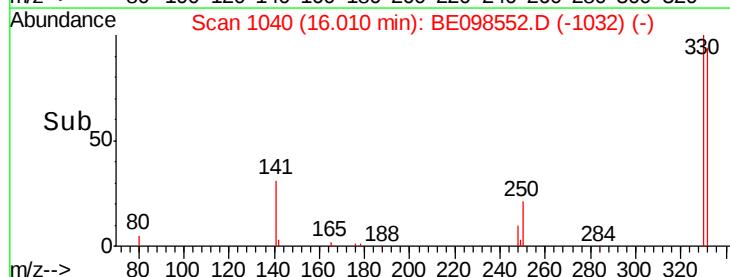
141 48.4 39.0 58.4



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

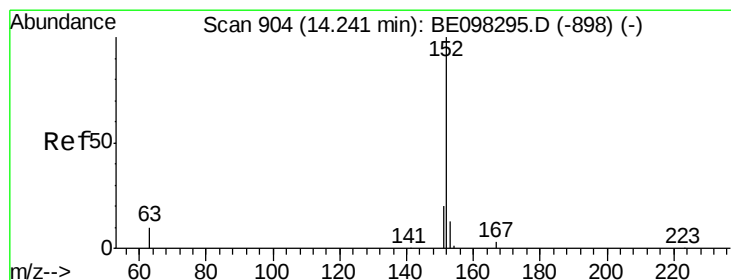
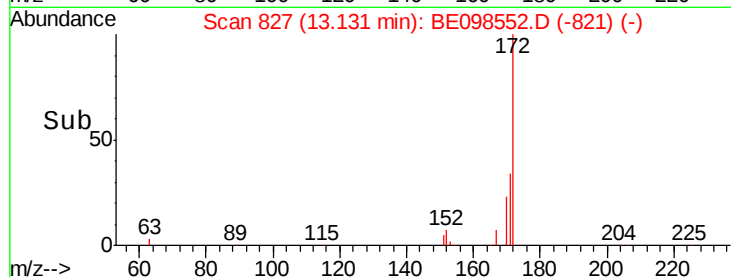
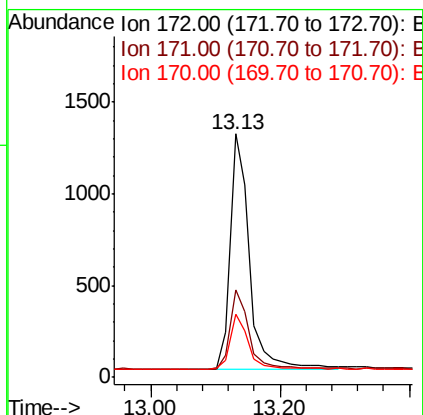
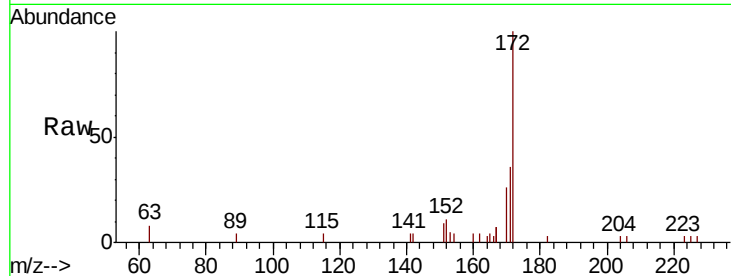




#15
2-Fluorobiphenyl
Concen: 0.351 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

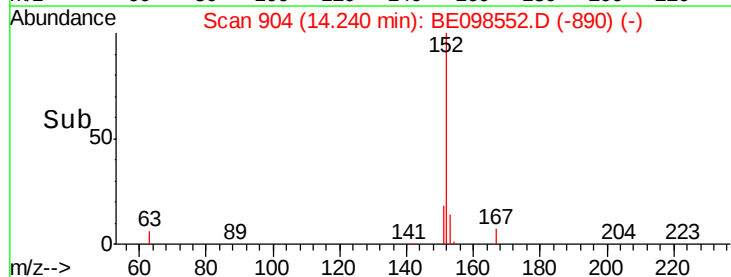
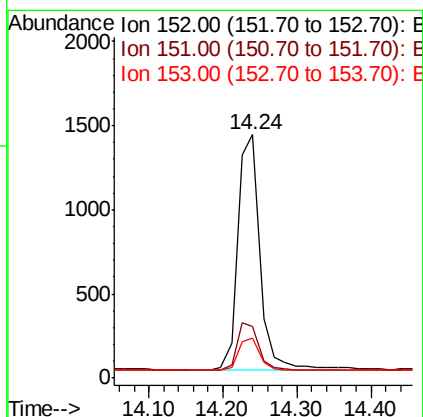
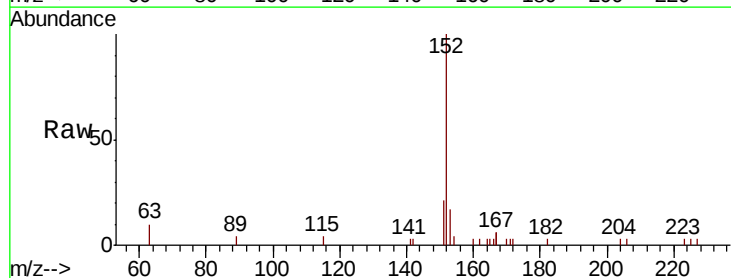
Instrument :
BNA_E
ClientSampleId :

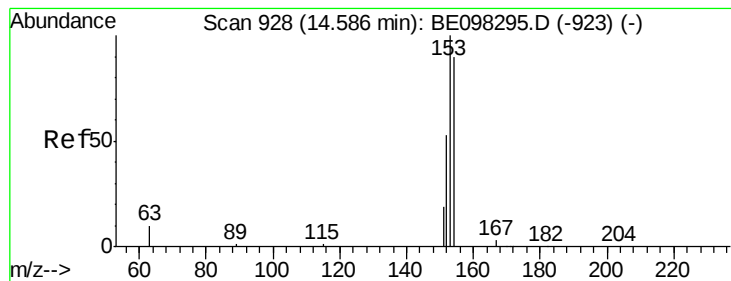
Tot Ion:172 Resp: 2622
Ion Ratio Lower Upper
172 100
171 36.1 27.5 41.3
170 26.1 19.6 29.4



#16
Acenaphthylene
Concen: 0.350 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:152 Resp: 2903
Ion Ratio Lower Upper
152 100
151 20.4 15.5 23.3
153 14.2 10.6 16.0





#17

Acenaphthene

Concen: 0.373 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

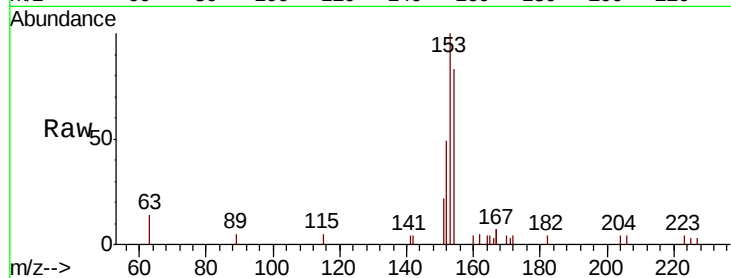
Tot Ion:154 Resp: 1858

Ion Ratio Lower Upper

154 100

153 117.0 91.8 137.6

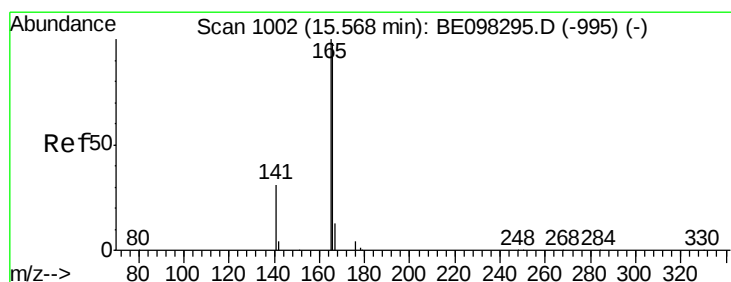
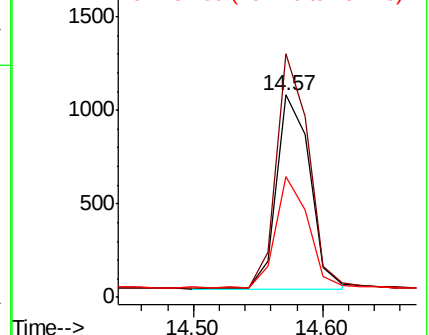
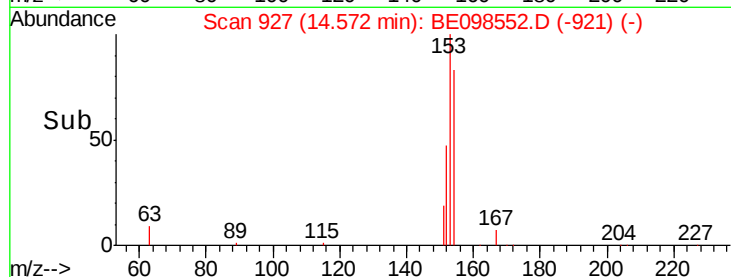
152 56.1 45.5 68.3



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: 0.436 ng

RT: 15.56 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

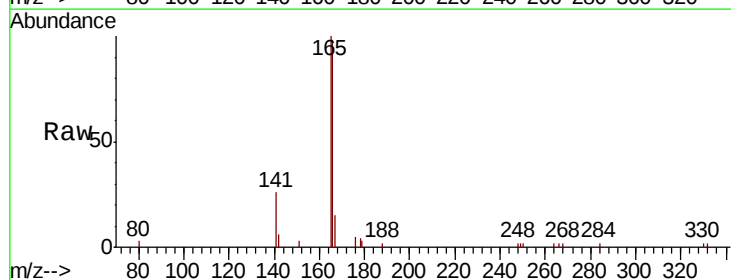
Tgt Ion:166 Resp: 2908

Ion Ratio Lower Upper

166 100

165 101.2 79.3 118.9

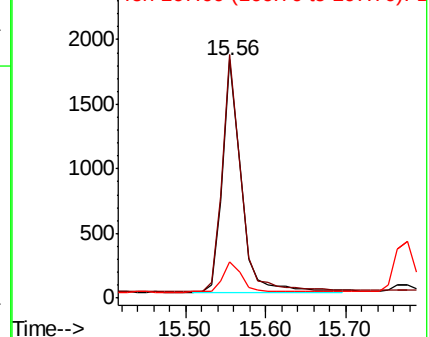
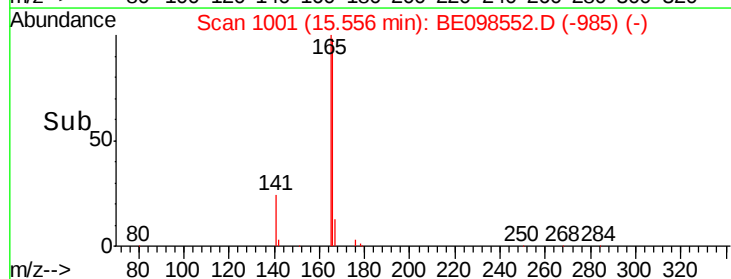
167 13.8 11.3 16.9



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: 17.26 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

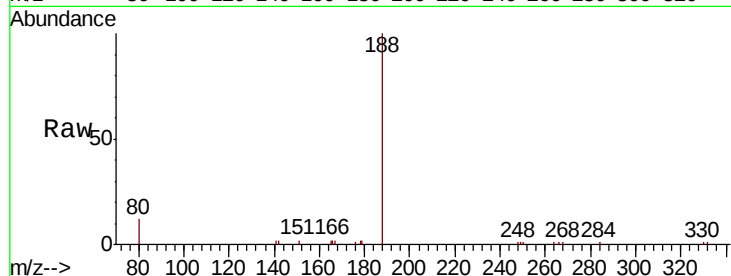
Tot Ion:188 Resp: 5909

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

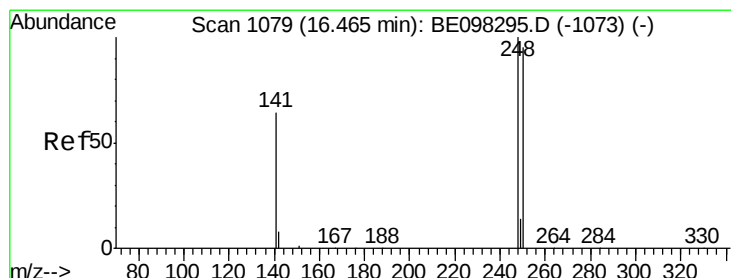
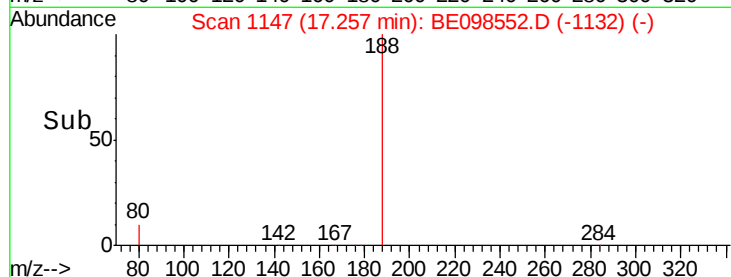
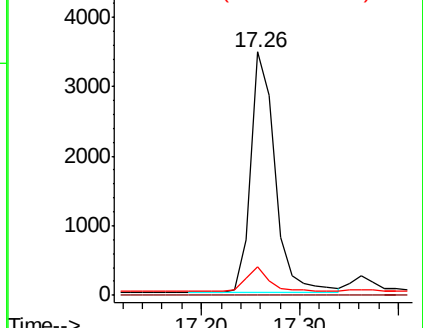
80 11.7 7.2 10.8#



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: 0.331 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

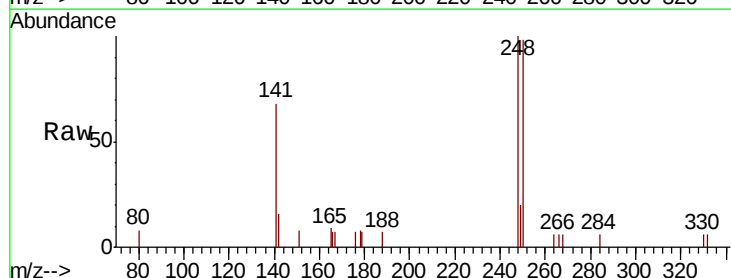
Tgt Ion:248 Resp: 1053

Ion Ratio Lower Upper

248 100

250 97.9 71.0 106.6

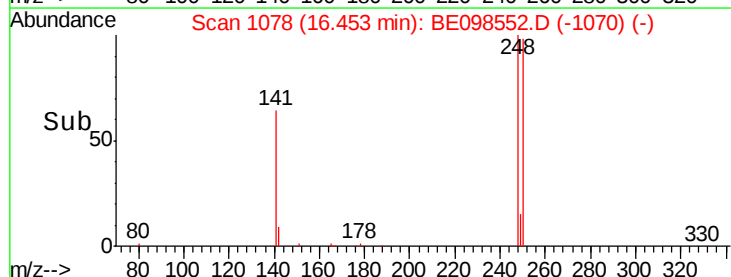
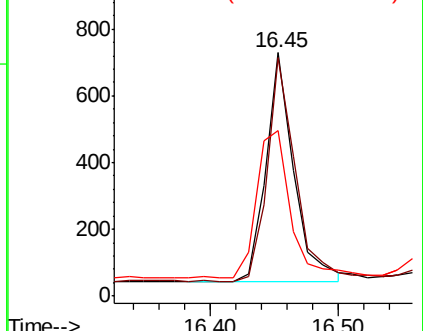
141 67.9 62.1 93.1

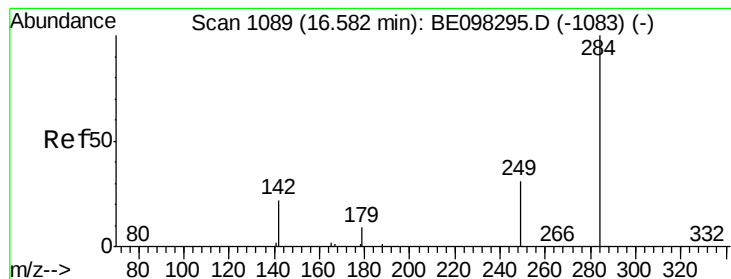


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.343 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

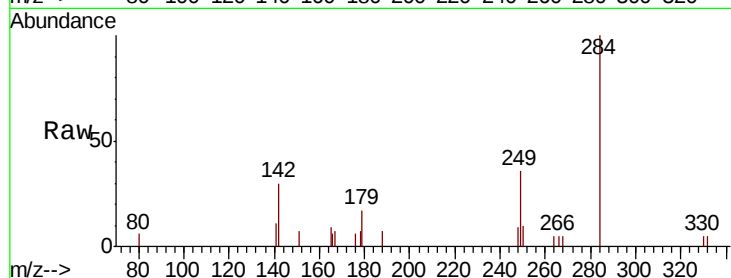
Tot Ion:284 Resp: 1173

Ion Ratio Lower Upper

284 100

142 36.4 26.3 39.5

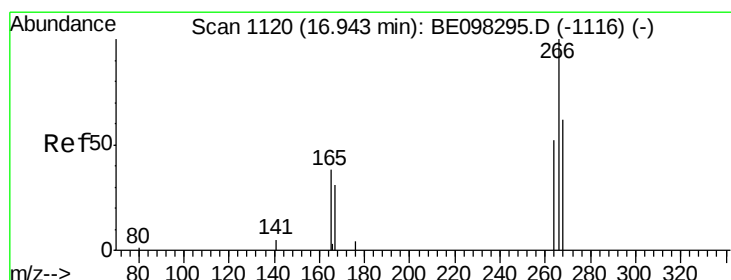
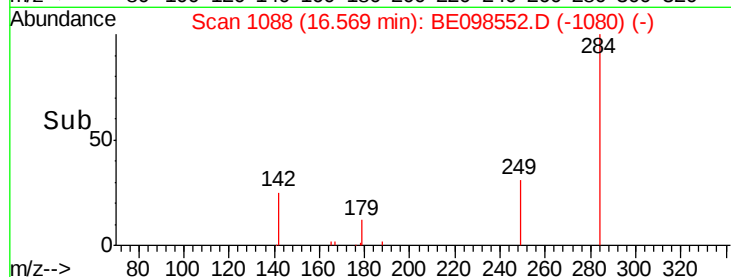
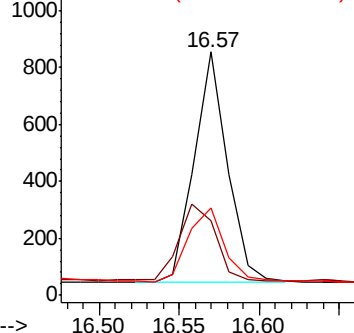
249 33.8 26.0 39.0



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: 1.231 ng

RT: 16.92 min Scan# 1118

Delta R.T. -0.02 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

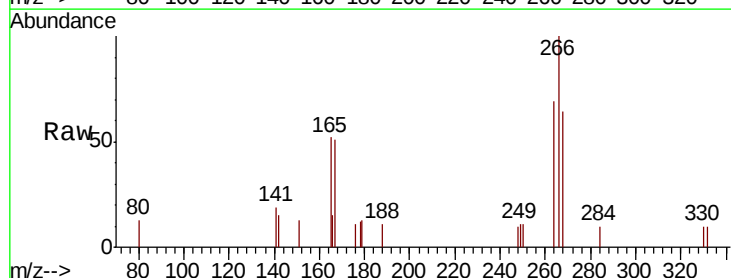
Tgt Ion:266 Resp: 863

Ion Ratio Lower Upper

266 100

264 68.6 59.0 88.4

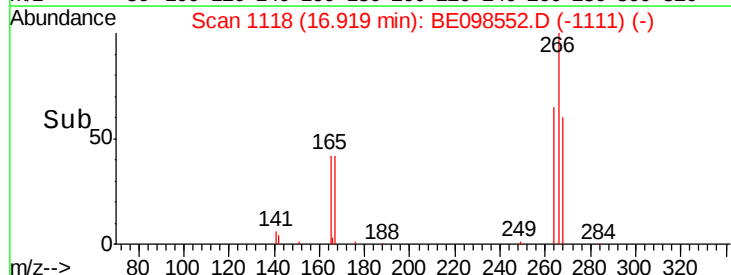
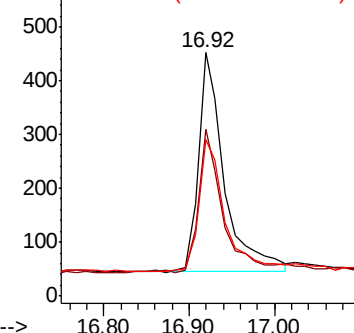
268 64.4 55.1 82.7

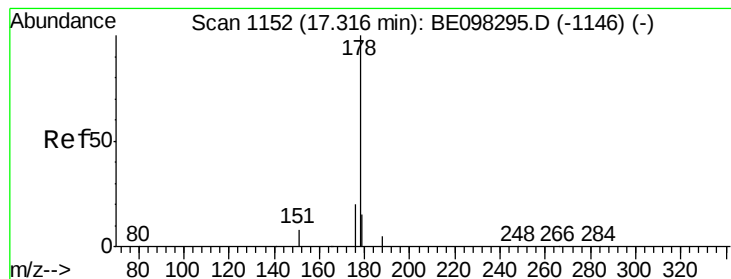


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.424 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampled :

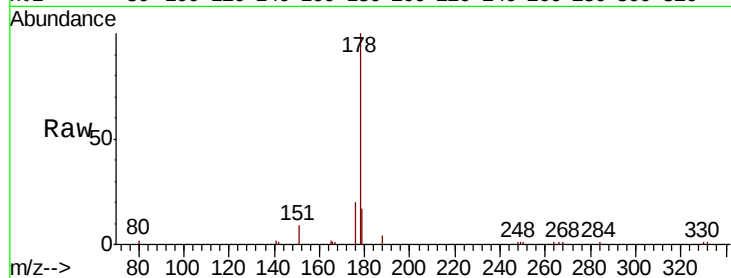
Tot Ion:178 Resp: 6082

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

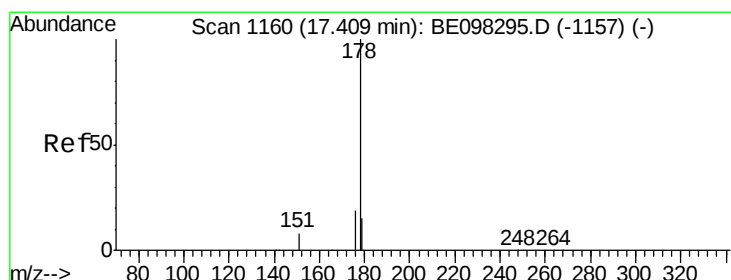
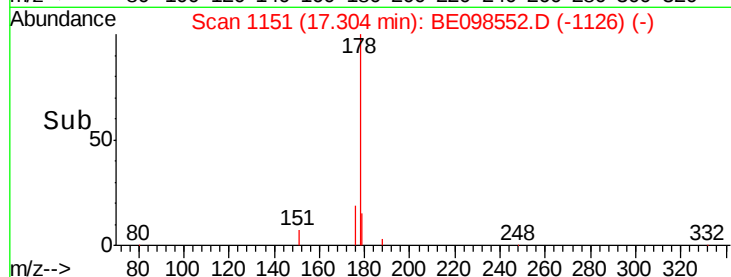
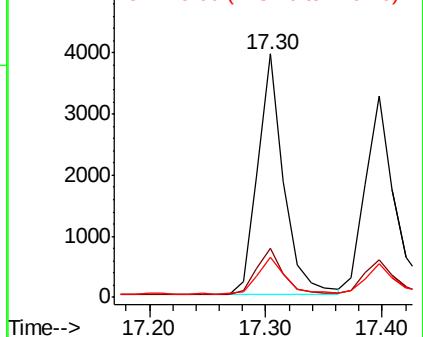
179 16.3 12.3 18.5



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: 0.421 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

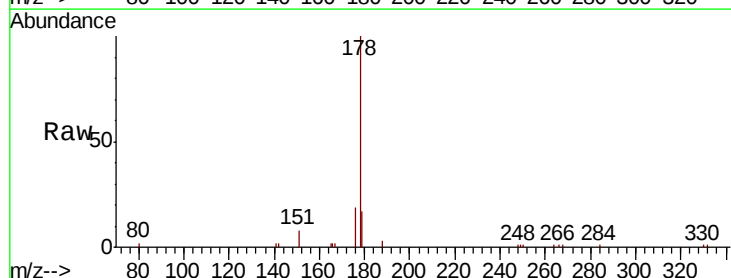
Tgt Ion:178 Resp: 5394

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

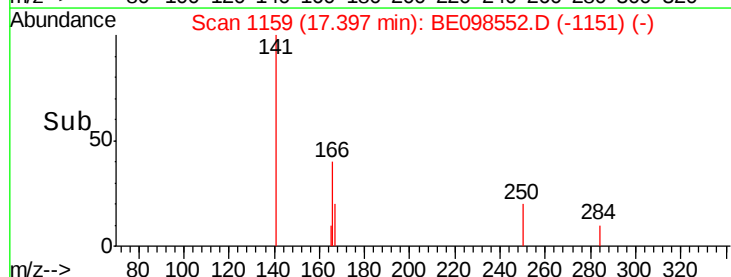
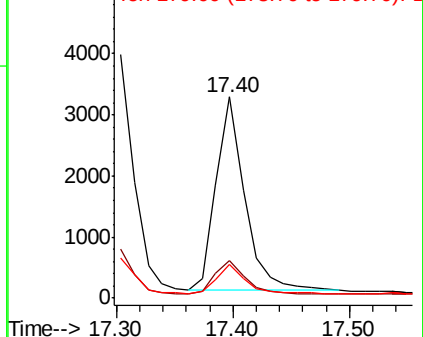
179 15.8 12.3 18.5

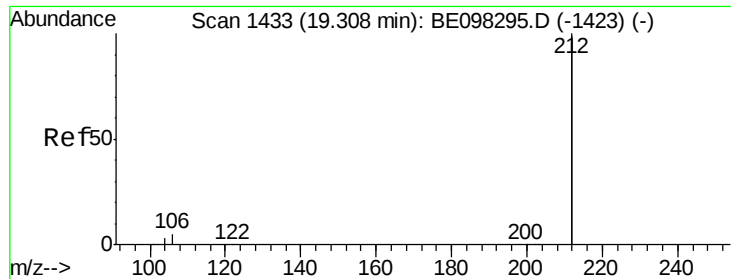


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.472 ng

RT: 19.30 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

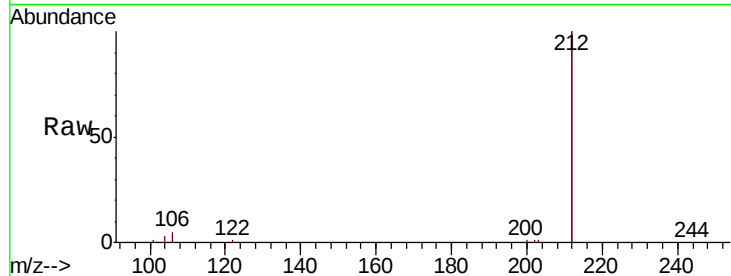
Tot Ion:212 Resp: 35803

Ion Ratio Lower Upper

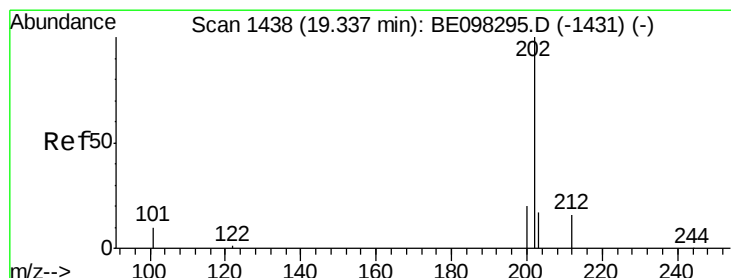
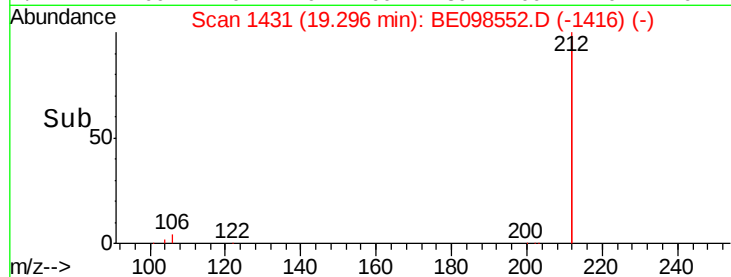
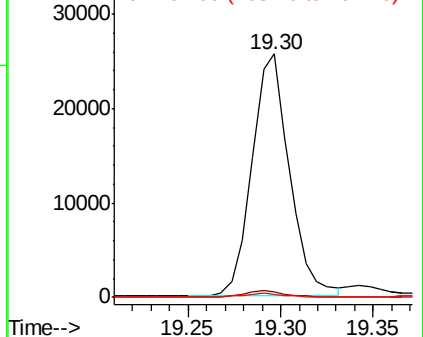
212 100

106 2.5 2.2 3.2

104 1.4 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: 0.531 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

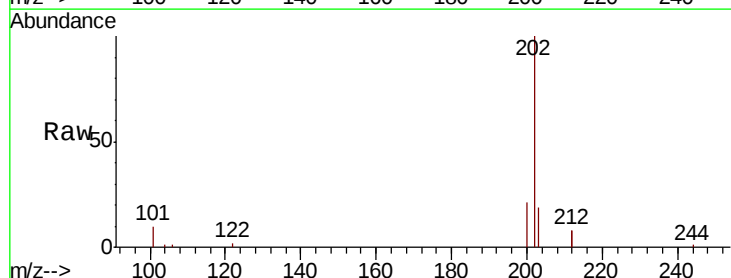
Tgt Ion:202 Resp: 10094

Ion Ratio Lower Upper

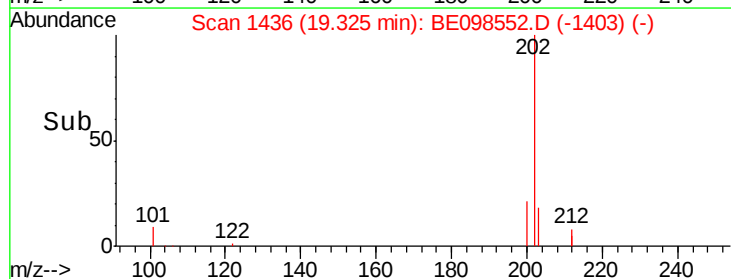
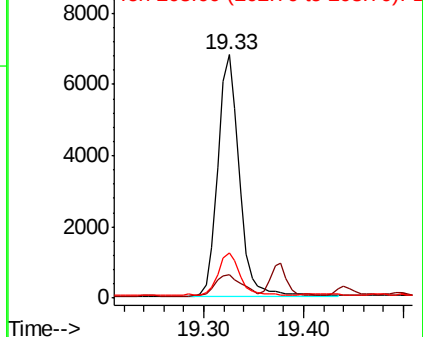
202 100

101 11.1 8.0 12.0

203 17.5 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

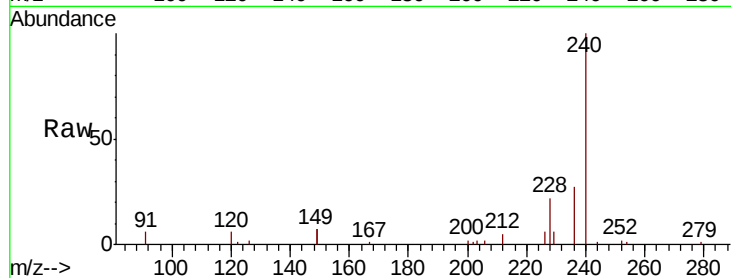




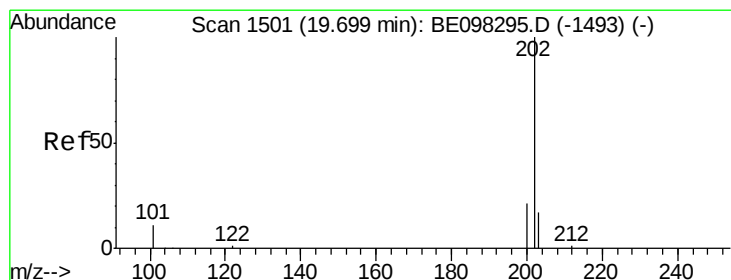
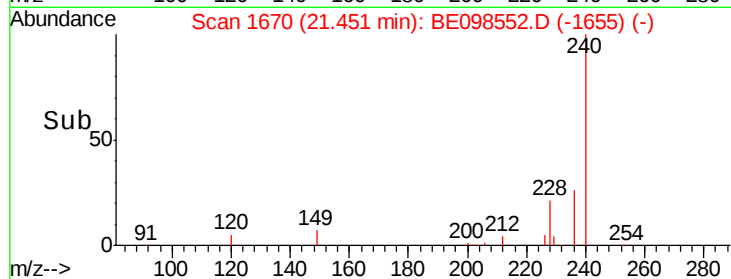
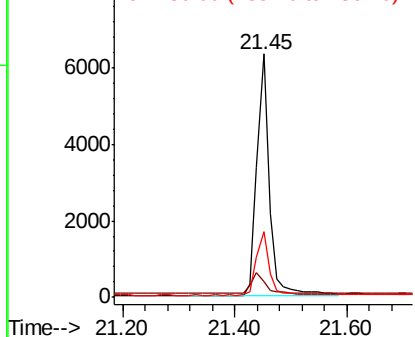
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 9728
Ion Ratio Lower Upper
240 100
120 6.4 9.5 14.3#
236 26.9 22.7 34.1

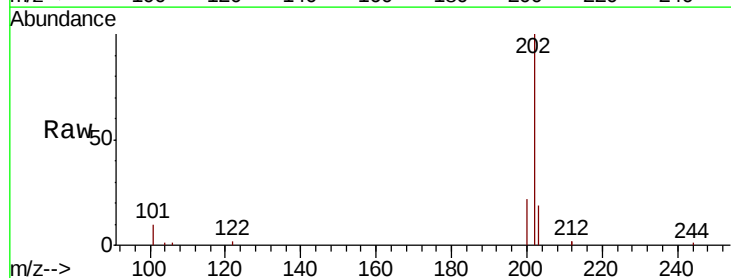


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

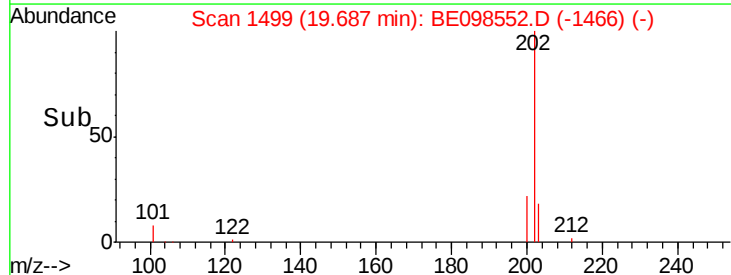
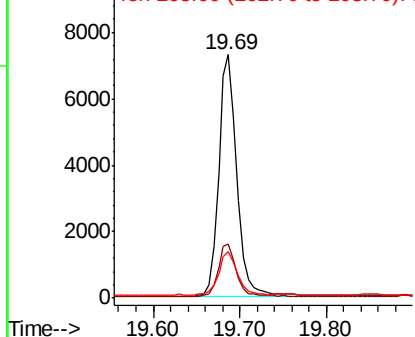


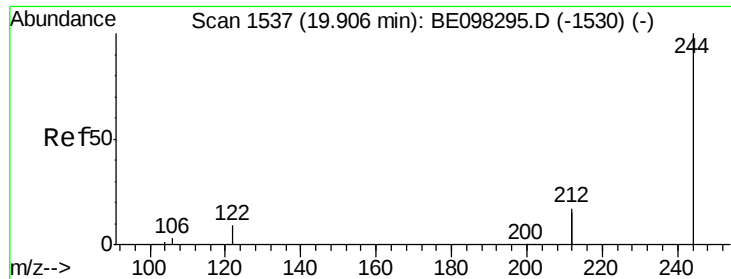
#28
Pyrene
Concen: 0.348 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:202 Resp: 10618
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 18.7 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: 0.324 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

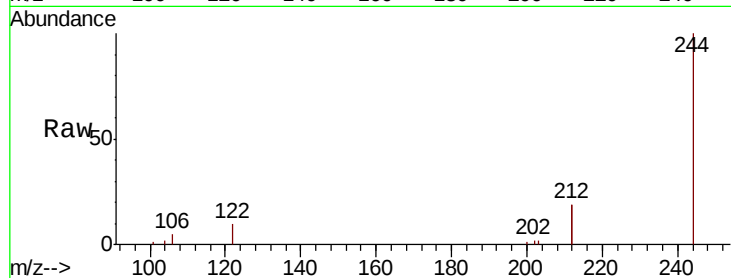
Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :



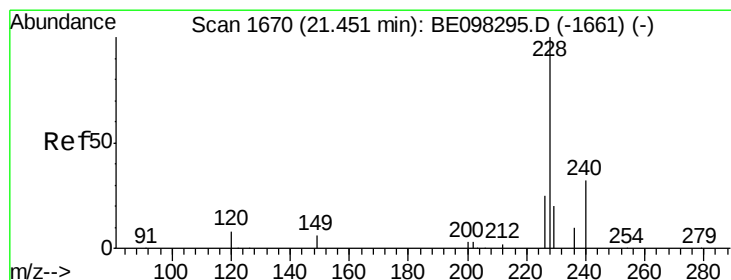
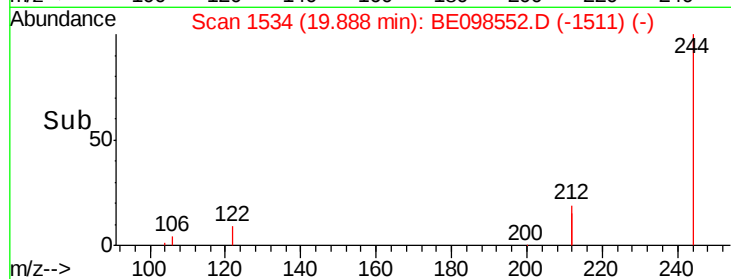
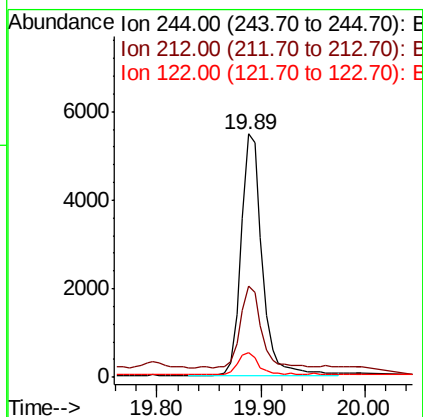
Tot Ion:244 Resp: 7651

Ion Ratio Lower Upper

244 100

212 37.3 27.4 41.0

122 10.3 8.3 12.5



#30

Benzo(a)anthracene

Concen: 0.414 ng

RT: 21.43 min Scan# 1668

Delta R.T. -0.02 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

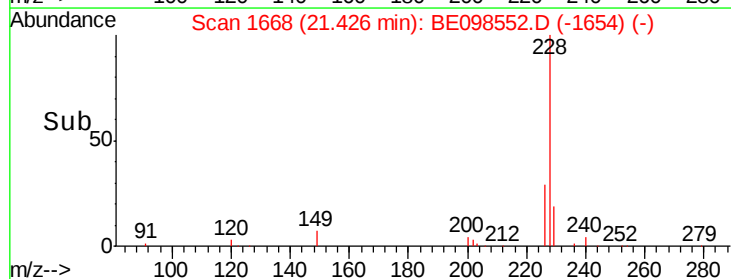
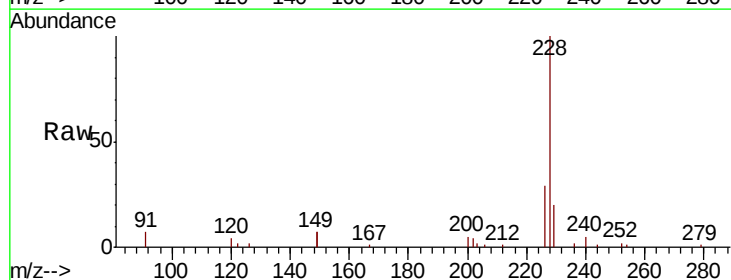
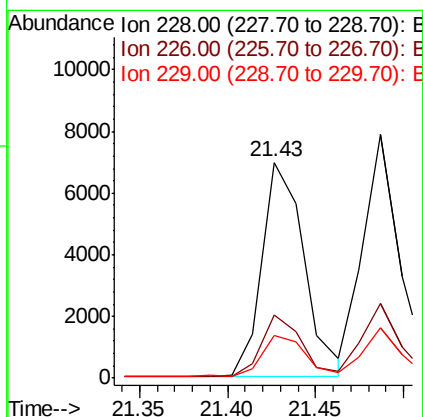
Tgt Ion:228 Resp: 11467

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

229 19.8 16.3 24.5

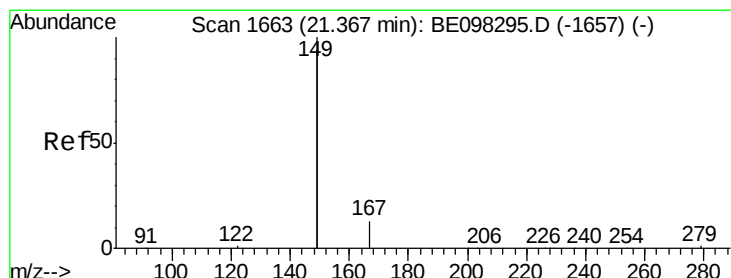
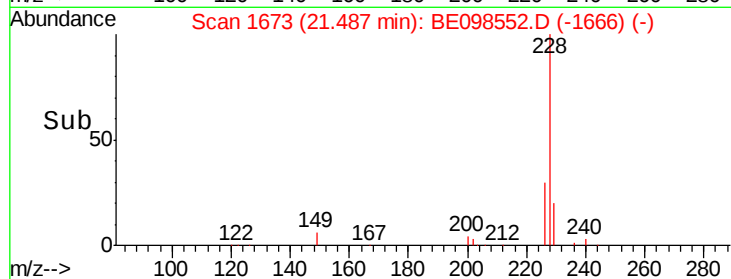
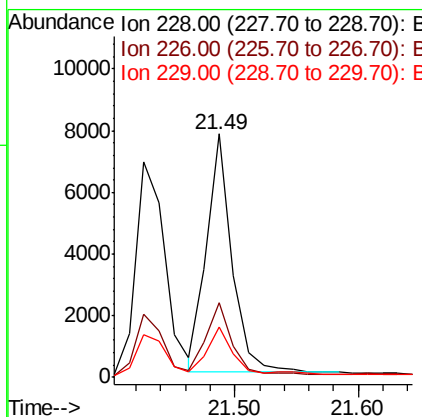
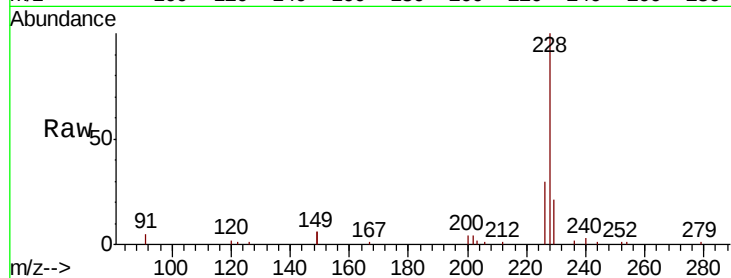




#31
 Chrysene
 Concen: 0.383 ng
 RT: 21.49 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BE098552.D
 Acq: 21 Dec 2018 13:29

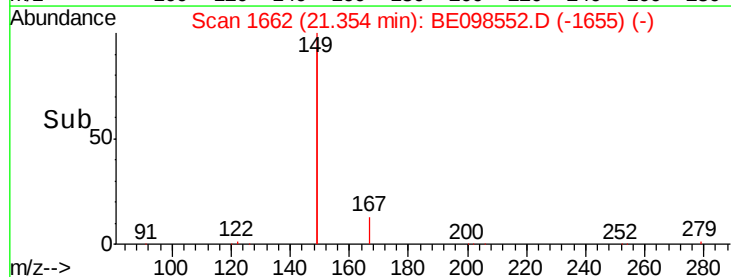
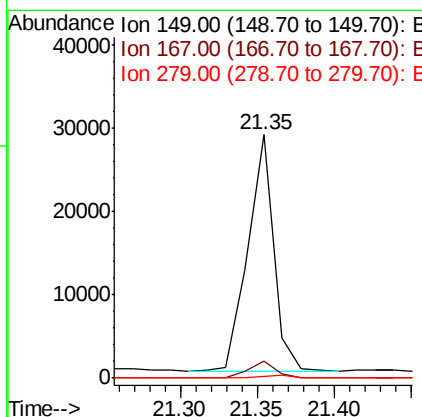
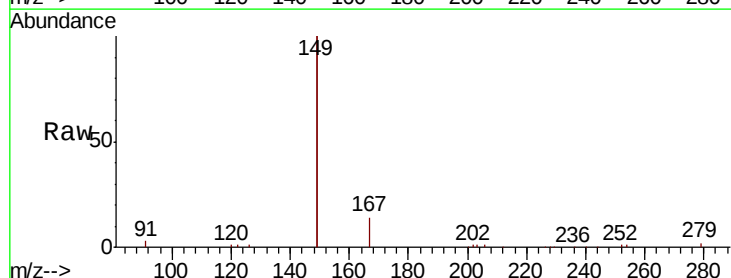
Instrument :
 BNA_E
 ClientSampled :

Tot Ion:228 Resp: 11128
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.4 35.0
 229 20.7 16.2 24.4



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.585 ng
 RT: 21.35 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BE098552.D
 Acq: 21 Dec 2018 13:29

Tgt Ion:149 Resp: 32903
 Ion Ratio Lower Upper
 149 100
 167 6.8 5.7 8.5
 279 1.2 1.0 1.4

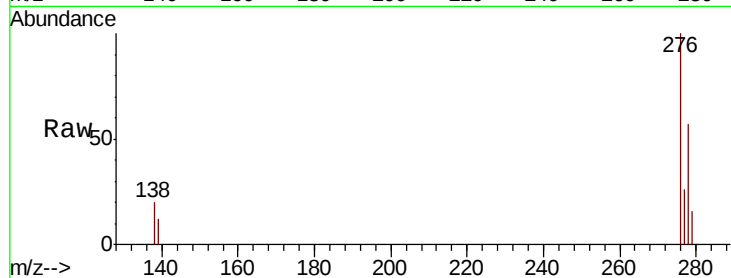




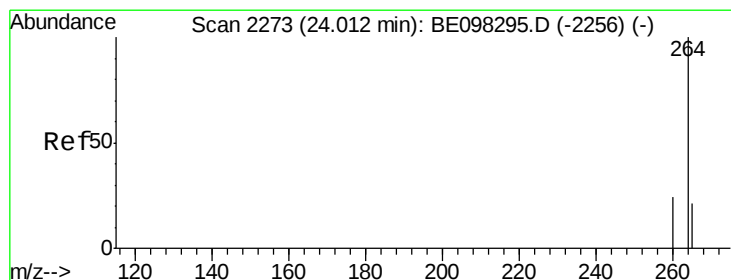
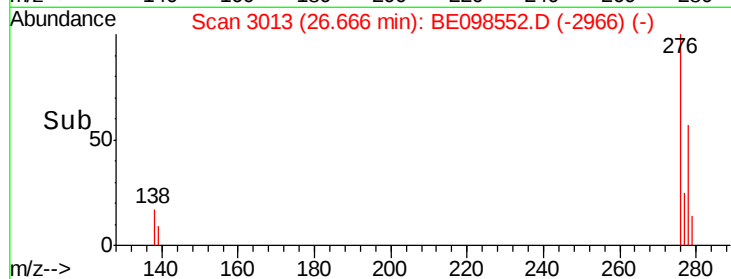
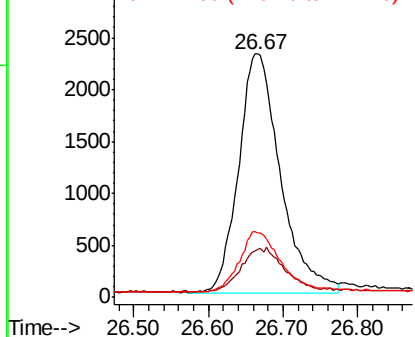
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.309 ng
RT: 26.67 min Scan# 3013
Delta R.T. -0.03 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 8933
Ion Ratio Lower Upper
276 100
138 9.8 16.3 24.5#
277 25.1 20.2 30.4

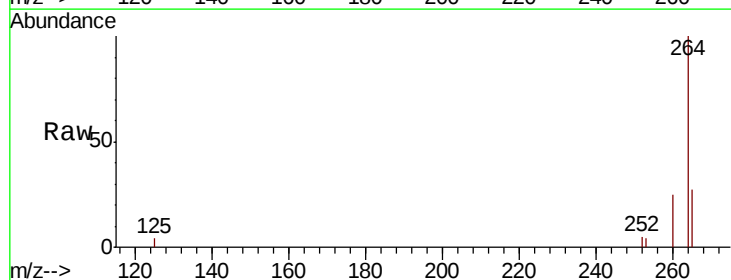


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

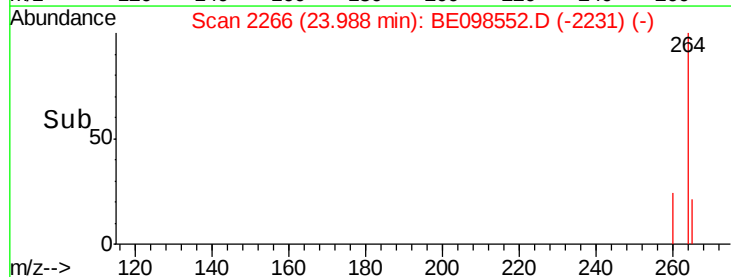
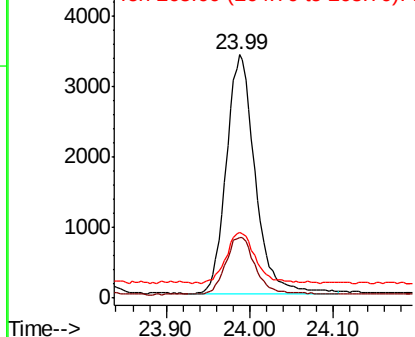


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:264 Resp: 8129
Ion Ratio Lower Upper
264 100
260 25.1 20.2 30.2
265 27.1 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: 0.484 ng

RT: 23.26 min Scan# 2062

Delta R.T. 0.03 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

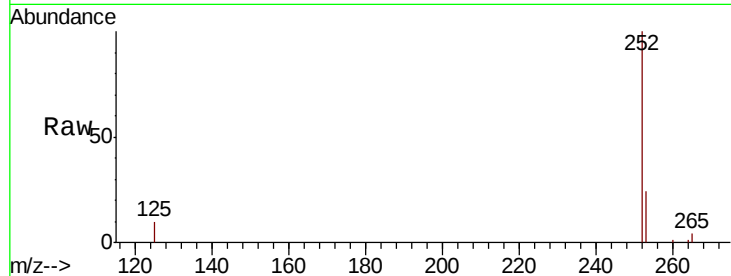
Tot Ion:252 Resp: 10764

Ion Ratio Lower Upper

252 100

253 24.1 20.0 30.0

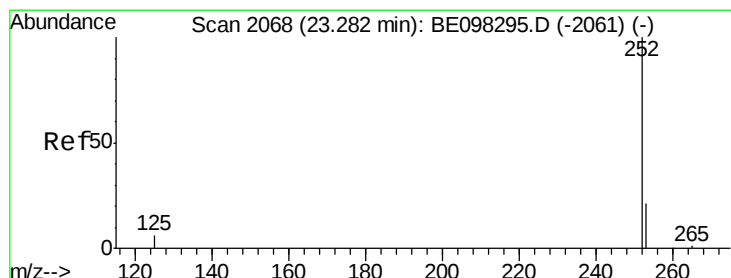
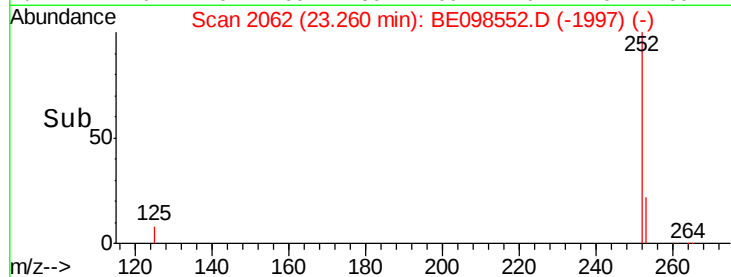
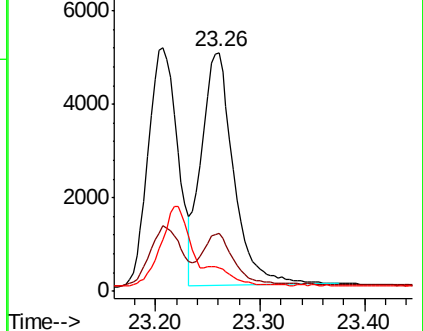
125 10.0 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.416 ng

RT: 23.26 min Scan# 2062

Delta R.T. -0.02 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

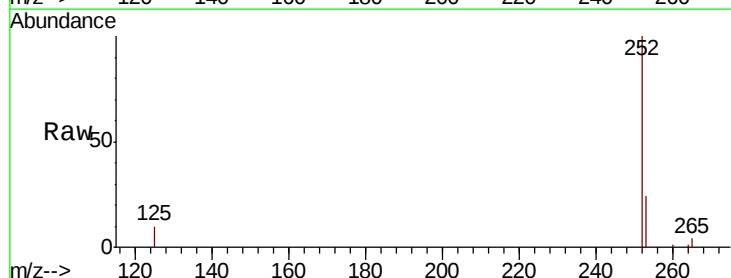
Tgt Ion:252 Resp: 10764

Ion Ratio Lower Upper

252 100

253 24.1 19.0 28.6

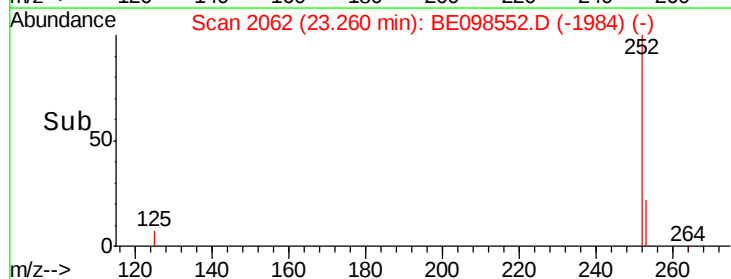
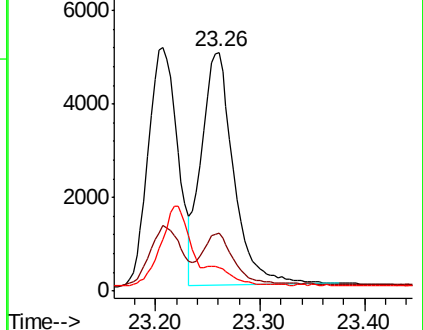
125 10.0 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.411 ng

RT: 23.87 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

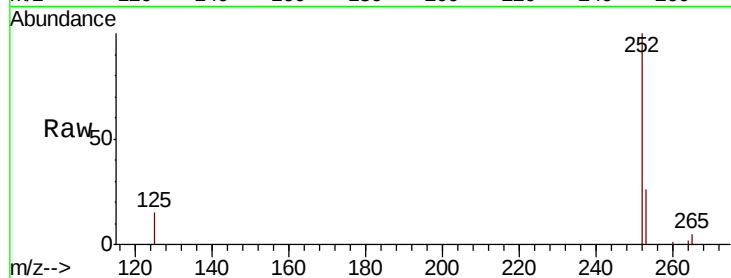
Tot Ion:252 Resp: 9423

Ion Ratio Lower Upper

252 100

253 25.5 20.6 30.8

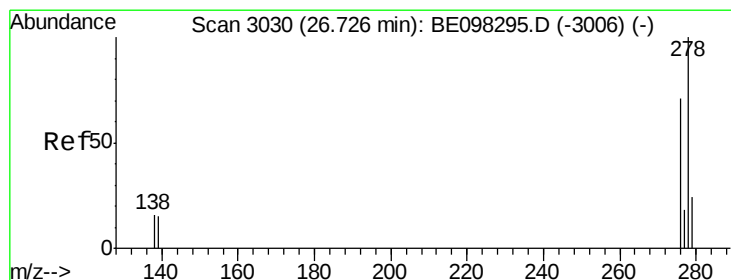
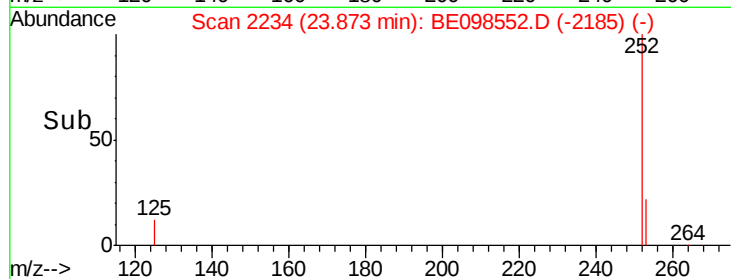
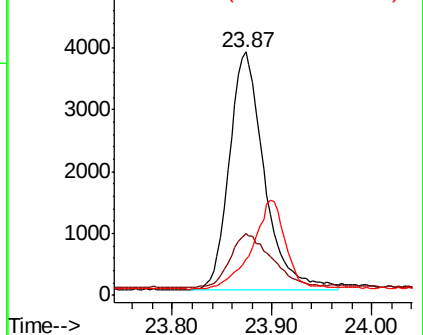
125 15.0 10.5 15.7



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: 0.339 ng

RT: 26.69 min Scan# 3019

Delta R.T. -0.04 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

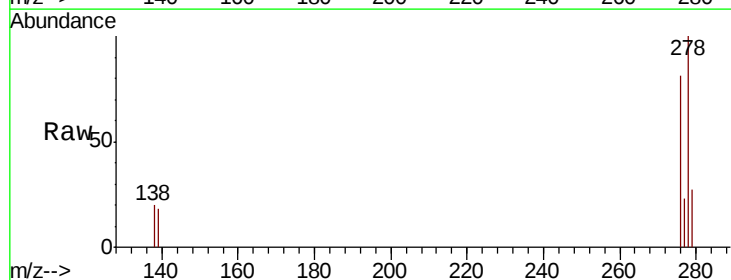
Tgt Ion:278 Resp: 7325

Ion Ratio Lower Upper

278 100

139 17.9 14.5 21.7

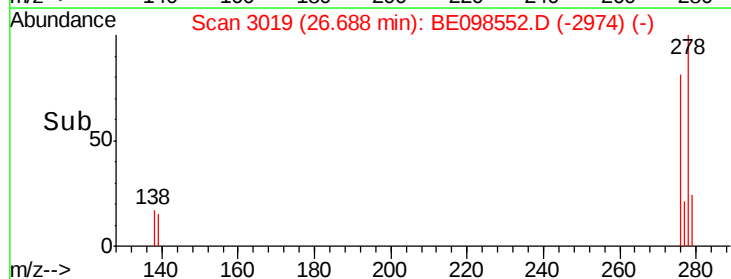
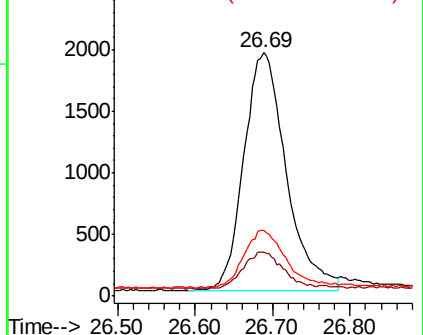
279 27.2 21.8 32.8



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: 0.355 ng

RT: 27.49 min Scan# 3243

Delta R.T. -0.03 min

Lab File: BE098552.D

Acq: 21 Dec 2018 13:29

Instrument :

BNA_E

ClientSampleId :

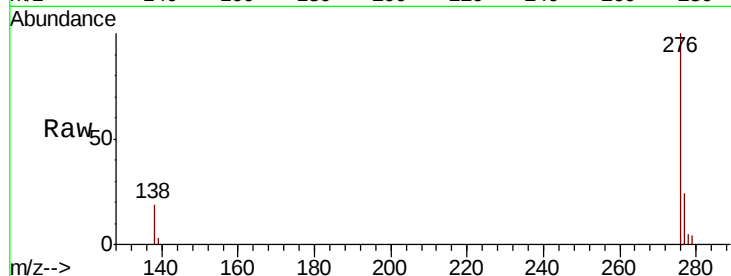
Tot Ion: 276 Resp: 7733

Ion Ratio Lower Upper

276 100

277 24.4 20.8 31.2

138 18.7 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

