

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121818\
 Data File : BE098511.D
 Acq On : 18 Dec 2018 11:25
 Operator : SJ/JU
 Sample : J6405-06MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 18 12:38:25 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	880	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	4258	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	2988	0.40	ng	-0.02
19) Phenanthrene-d10	17.26	188	7291	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	8538	0.40	ng	-0.01
34) Perylene-d12	23.99	264	7914	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	432	0.21	ng	0.00
5) Phenol-d6	7.05	99	391	0.13	ng	0.00
8) Nitrobenzene-d5	9.02	82	1238	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	3768	0.54	ng	-0.02
14) 2,4,6-Tribromophenol	16.01	330	473	0.43	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	5146	0.41	ng	-0.02
25) Fluoranthene-d10	19.29	212	41395	0.44	ng	-0.02
29) Terphenyl-d14	19.89	244	8900	0.43	ng	-0.02

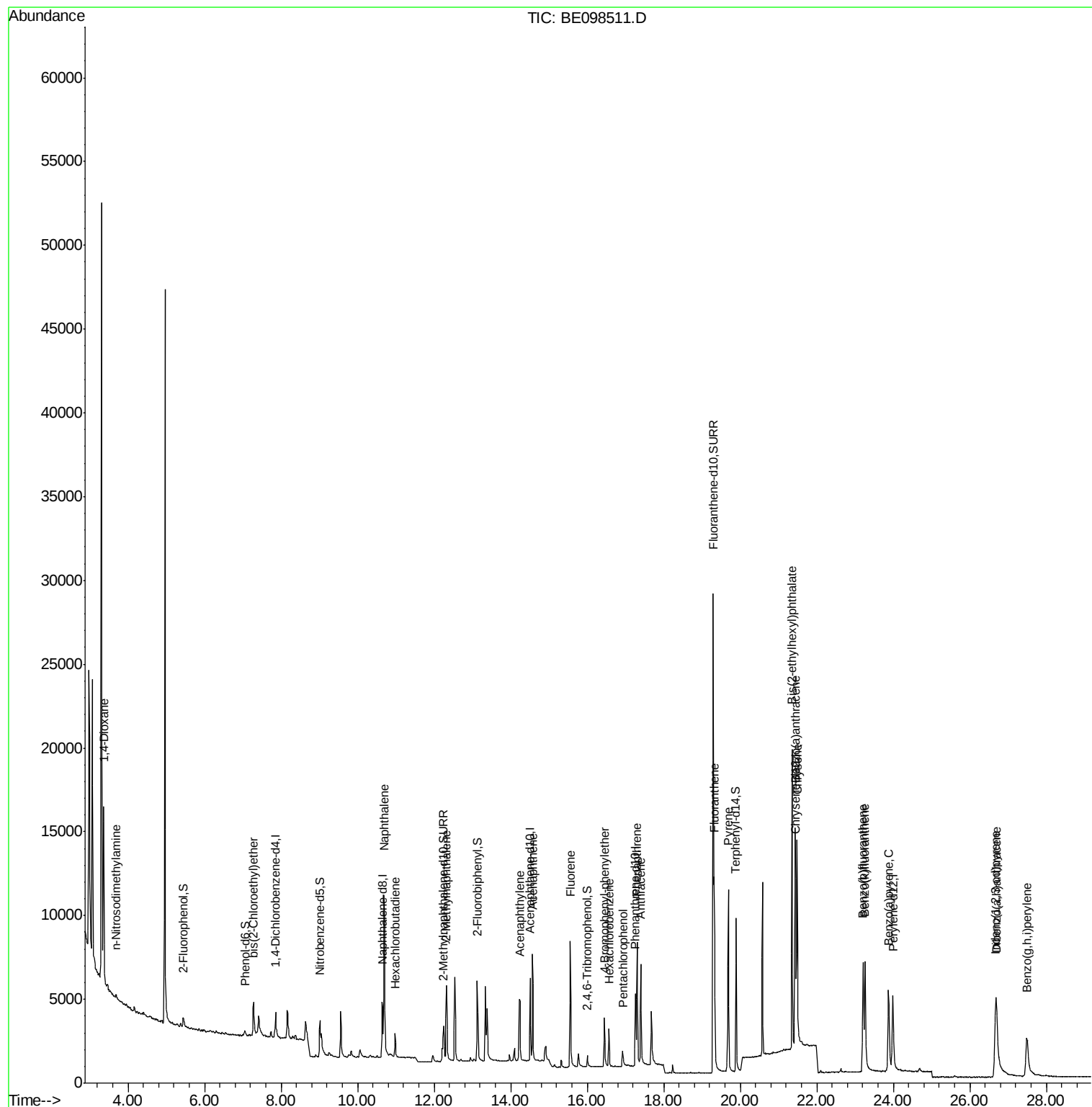
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	6118	4.020	ng	95
3) n-Nitrosodimethylamine	3.68	42	309	0.226	ng	# 100
6) bis(2-Chloroethyl)ether	7.28	93	1084	0.391	ng	92
9) Naphthalene	10.69	128	19062	0.445	ng	99
10) Hexachlorobutadiene	10.98	225	1019	0.374	ng	98
12) 2-Methylnaphthalene	12.32	142	3444	0.495	ng	98
16) Acenaphthylene	14.24	152	5435	0.388	ng	99
17) Acenaphthene	14.57	154	3499	0.416	ng	97
18) Fluorene	15.56	166	4981	0.443	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	1632	0.416	ng	89
21) Hexachlorobenzene	16.57	284	1803	0.427	ng	97
22) Pentachlorophenol	16.93	266	710	0.895	ng	92
23) Phenanthrene	17.30	178	8334	0.470	ng	99
24) Anthracene	17.40	178	7032	0.445	ng	99
26) Fluoranthene	19.33	202	10657	0.455	ng	99
28) Pyrene	19.69	202	10777	0.402	ng	99
30) Benzo(a)anthracene	21.44	228	10785	0.444	ng	99
31) Chrysene	21.49	228	11051	0.434	ng	98
32) Bis(2-ethylhexyl)phthalate	21.35	149	19289	0.391	ng	99
33) Indeno(1,2,3-cd)pyrene	26.67	276	9927	0.392	ng	# 71
35) Benzo(b)fluoranthene	23.21	252	10312	0.476	ng	98
36) Benzo(k)fluoranthene	23.26	252	11838	0.470	ng	98
37) Benzo(a)pyrene	23.87	252	10573	0.473	ng	96
38) Dibenzo(a,h)anthracene	26.69	278	8704	0.414	ng	98
39) Benzo(g,h,i)perylene	27.49	276	8350	0.394	ng	98

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

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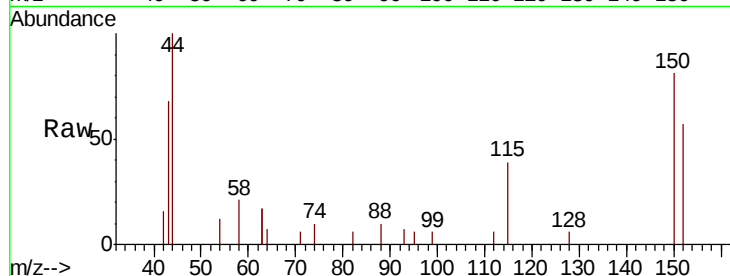


#1

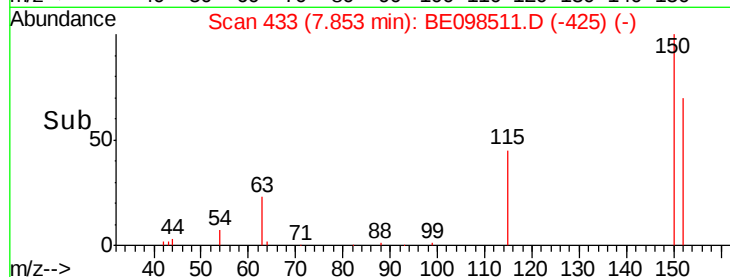
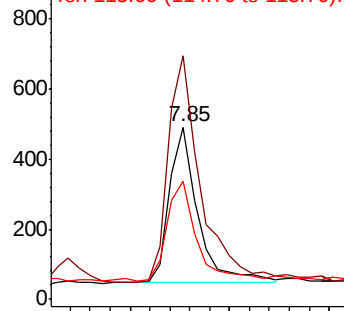
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 880
Ion Ratio Lower Upper
152 100
150 141.5 124.2 186.4
115 68.6 53.9 80.9



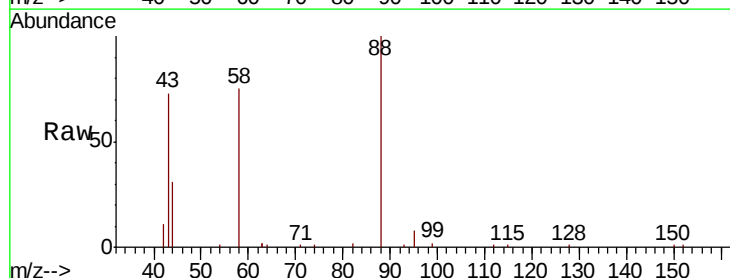
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



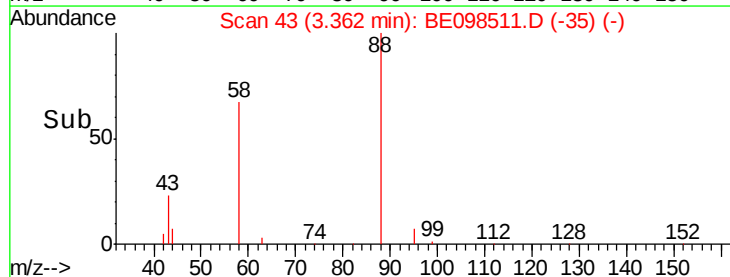
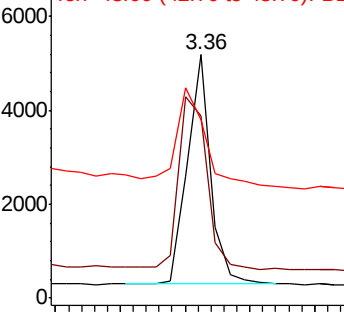
#2

1,4-Dioxane
Concen: 4.020 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion: 88 Resp: 6118
Ion Ratio Lower Upper
88 100
58 90.7 75.0 112.6
43 53.3 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



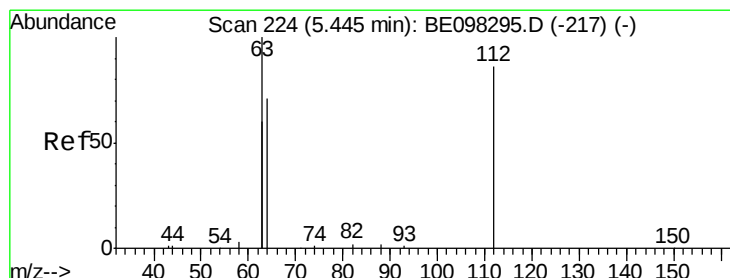
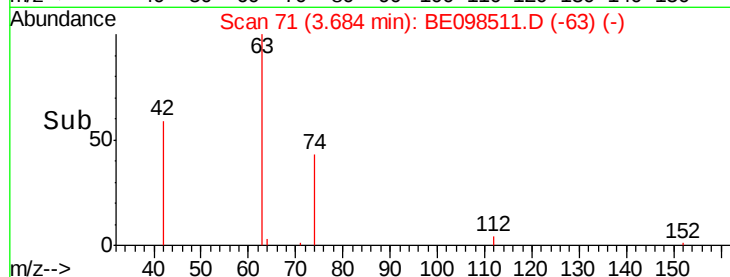
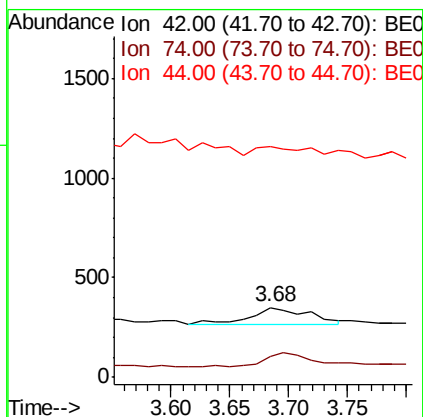
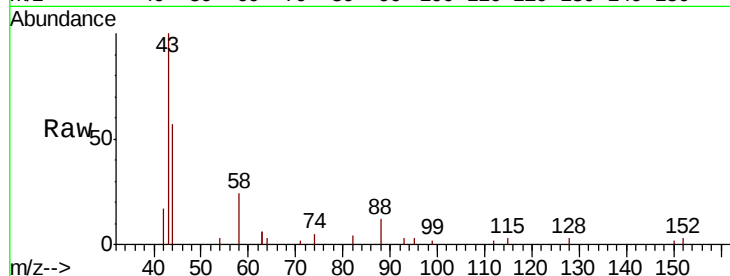


#3

n-Nitrosodimethylamine
 Concen: 0.226 ng
 RT: 3.68 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE098511.D
 Acq: 18 Dec 2018 11:25

Instrument :
 BNA_E
 ClientSampleId :

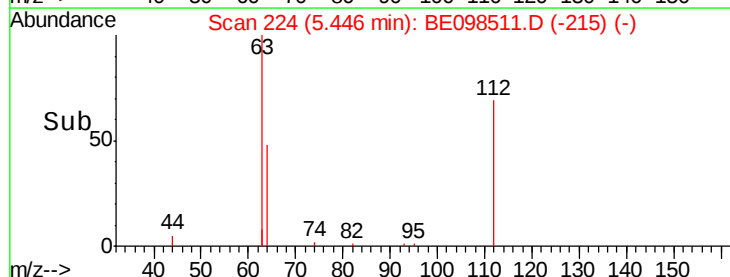
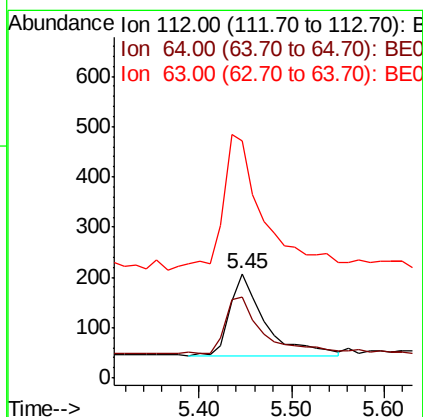
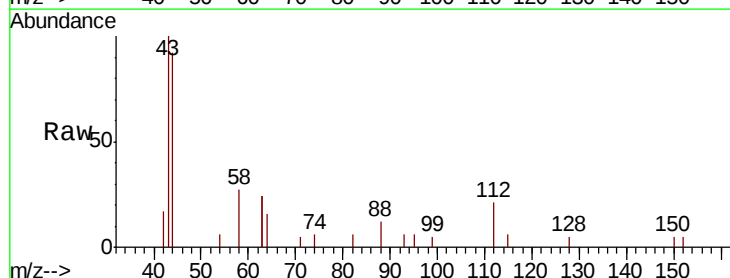
Tot Ion: 42 Resp: 309
 Ion Ratio Lower Upper
 42 100
 74 54.7 0.0 0.0#
 44 43.0 0.0 0.0#



#4

2-Fluorophenol
 Concen: 0.210 ng
 RT: 5.45 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: BE098511.D
 Acq: 18 Dec 2018 11:25

Tgt Ion: 112 Resp: 432
 Ion Ratio Lower Upper
 112 100
 64 72.5 59.8 89.8
 63 194.4 133.7 200.5





#5

Phenol-d6

Concen: 0.134 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :

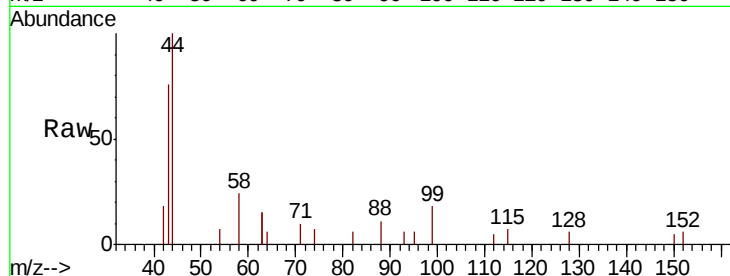
Tot Ion: 99 Resp: 391

Ion Ratio Lower Upper

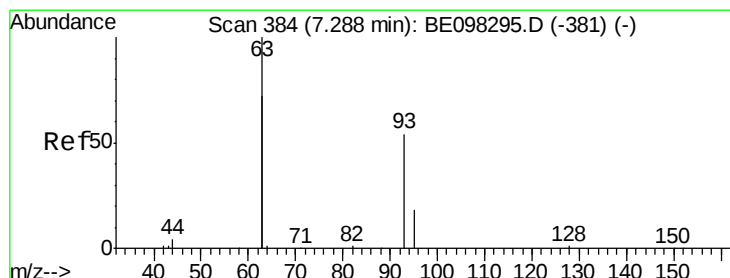
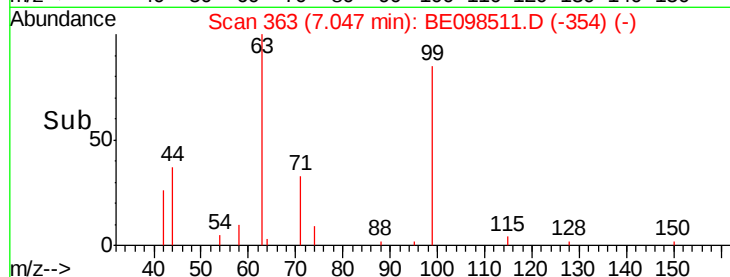
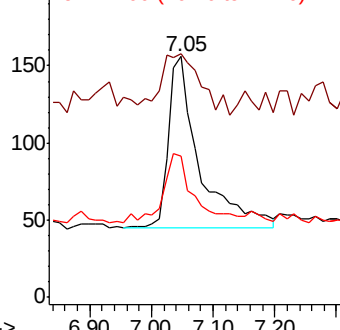
99 100

42 47.1 26.3 39.5#

71 39.6 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: 0.391 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

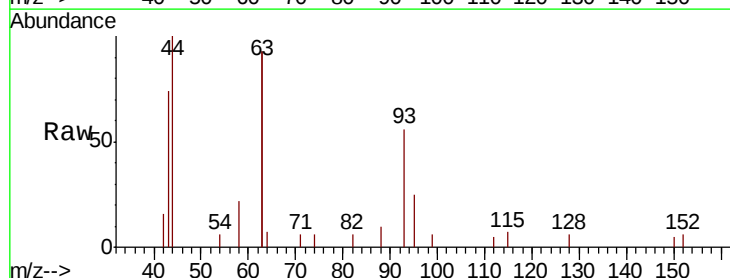
Tgt Ion: 93 Resp: 1084

Ion Ratio Lower Upper

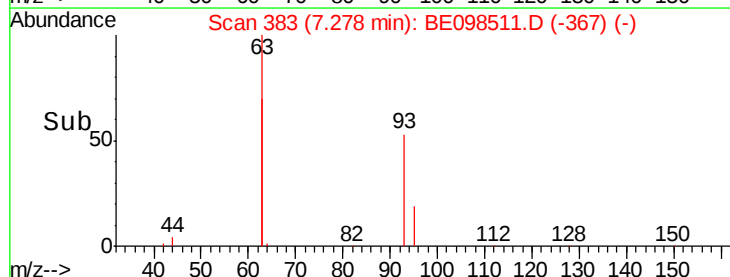
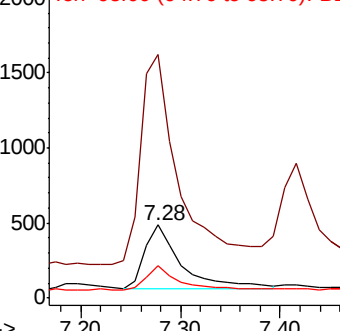
93 100

63 347.0 264.4 396.6

95 36.5 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: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4258

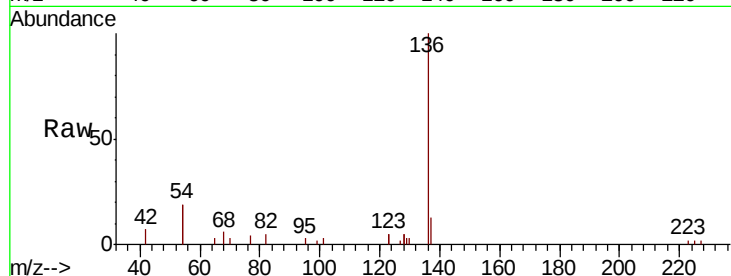
Ion Ratio Lower Upper

136 100

137 13.1 9.2 13.8

54 37.1 28.4 42.6

68 6.4 5.4 8.0

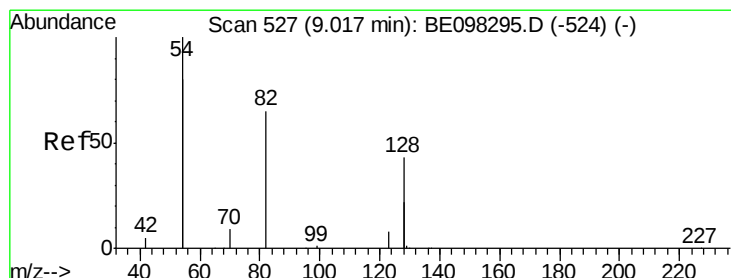
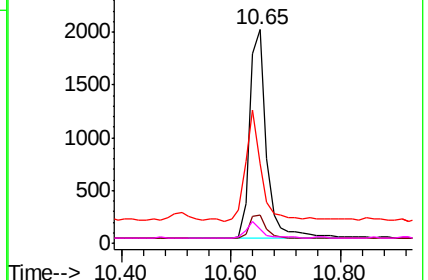
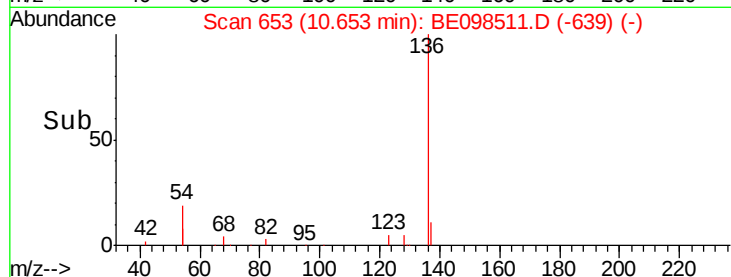


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.319 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

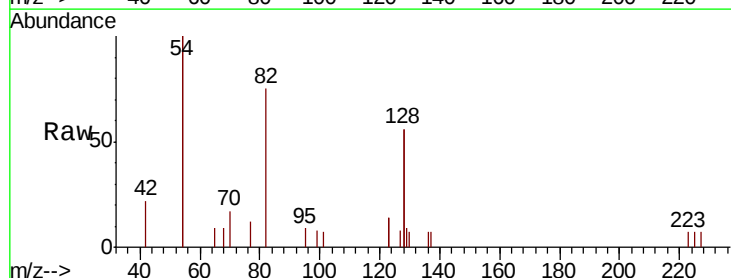
Tgt Ion: 82 Resp: 1238

Ion Ratio Lower Upper

82 100

128 151.4 102.4 153.6

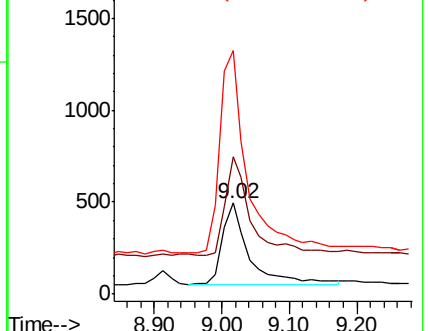
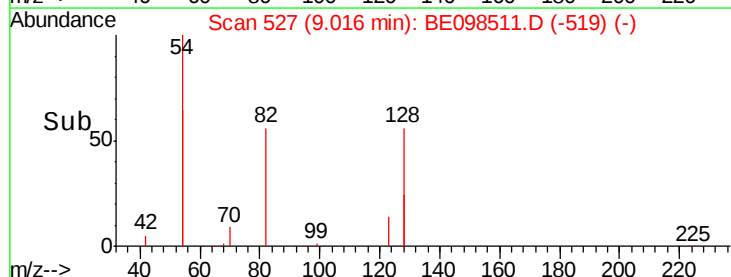
54 268.0 221.8 332.8

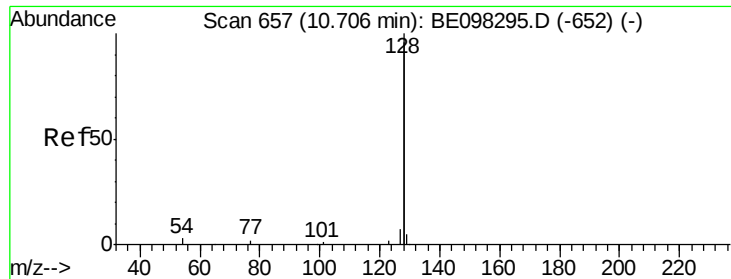


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.445 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :

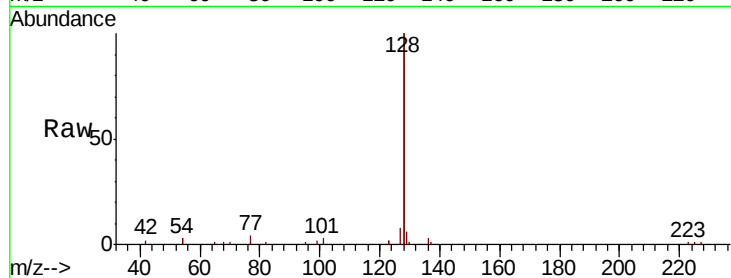
Tot Ion:128 Resp: 19062

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

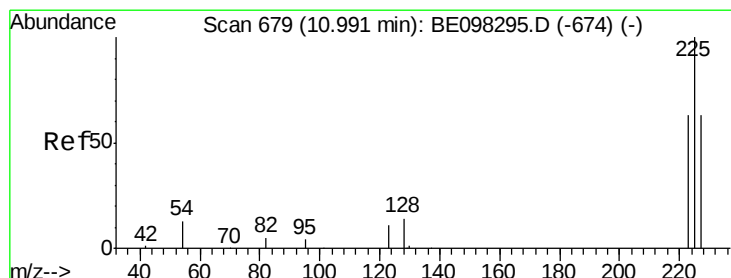
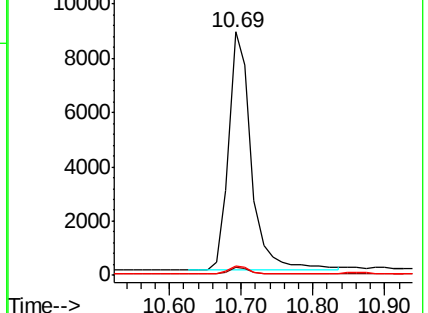
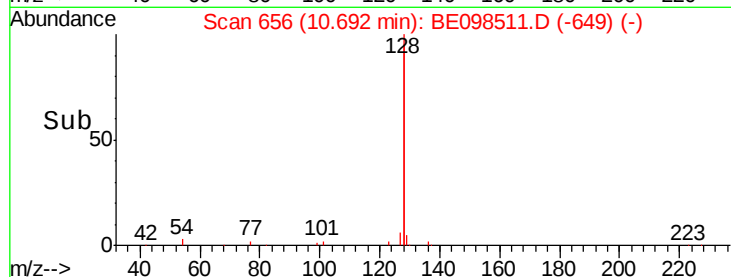
127 3.8 2.7 4.1



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: 0.374 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

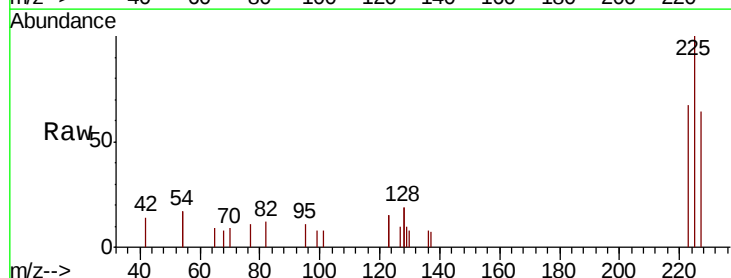
Tgt Ion:225 Resp: 1019

Ion Ratio Lower Upper

225 100

223 62.6 49.4 74.0

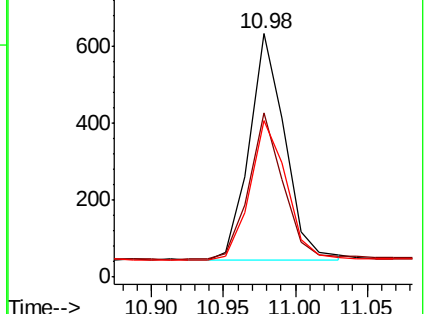
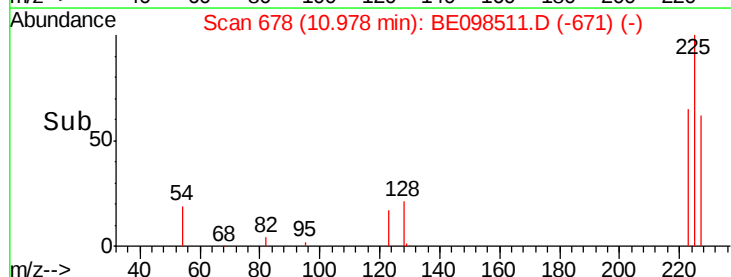
227 62.4 52.0 78.0



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: 0.544 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

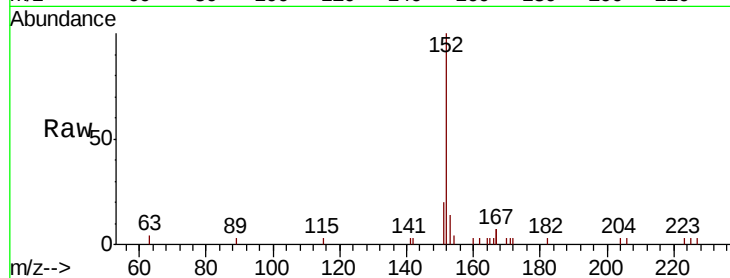
ClientSampleId :

Tot Ion:152 Resp: 3768

Ion Ratio Lower Upper

152 100

151 16.1 16.2 24.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.25

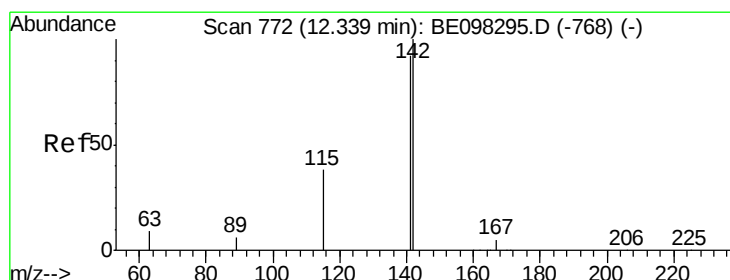
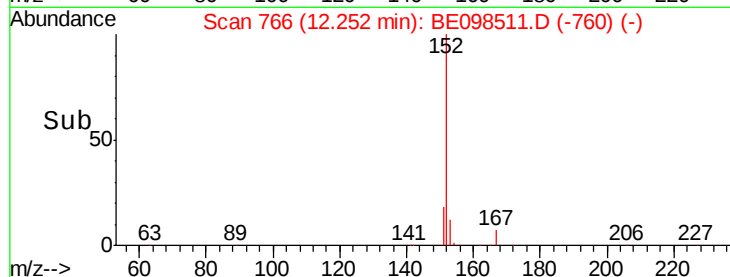
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.495 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.02 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

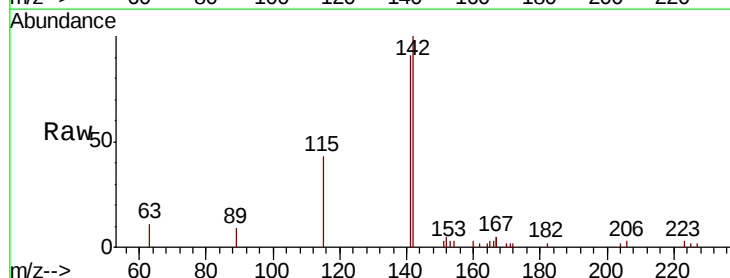
Tgt Ion:142 Resp: 3444

Ion Ratio Lower Upper

142 100

141 90.5 71.0 106.6

115 42.6 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

2500

2000

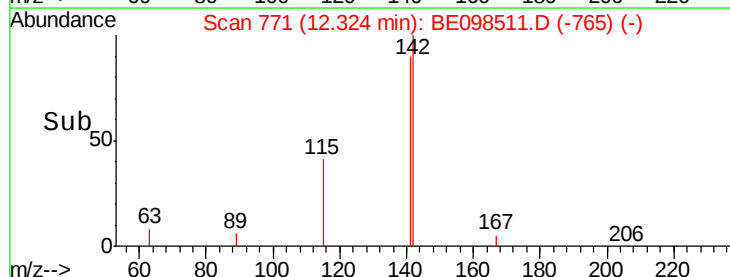
1500

1000

500

0

Time-->

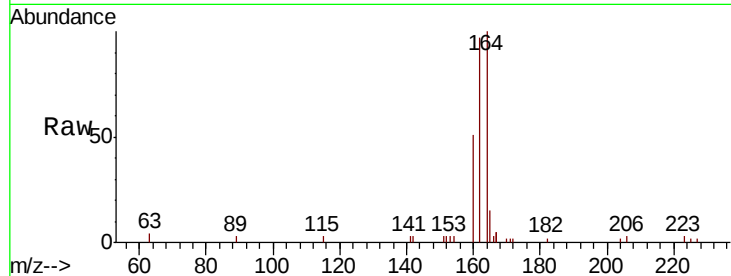




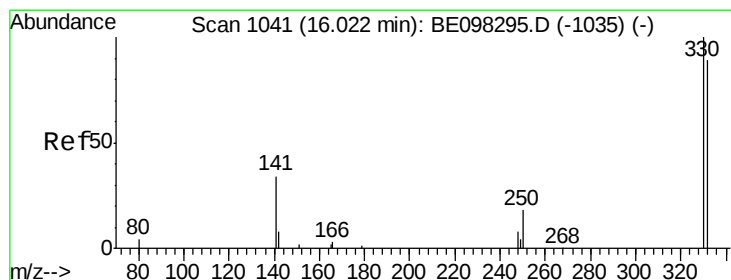
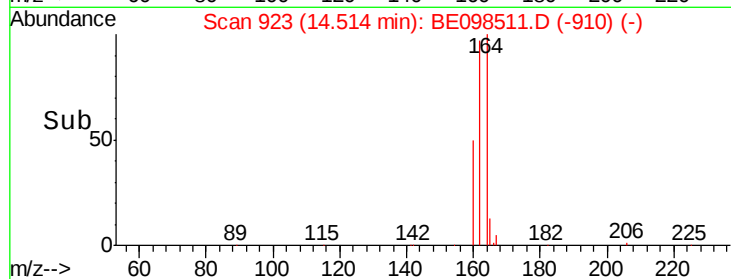
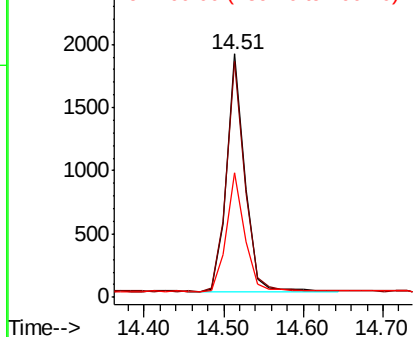
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2988
Ion Ratio Lower Upper
164 100
162 96.8 77.6 116.4
160 51.3 36.0 54.0

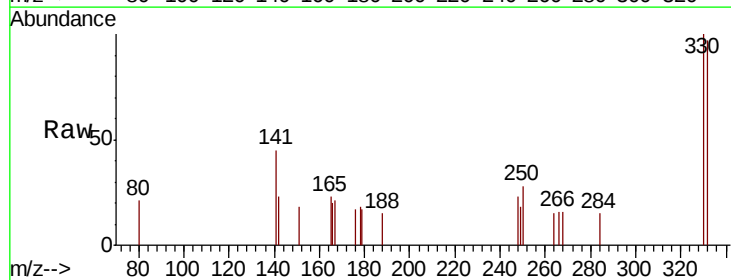


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

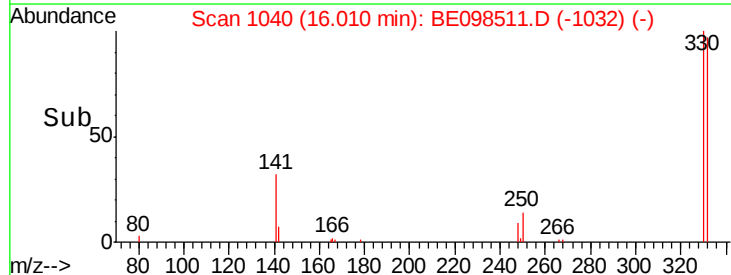
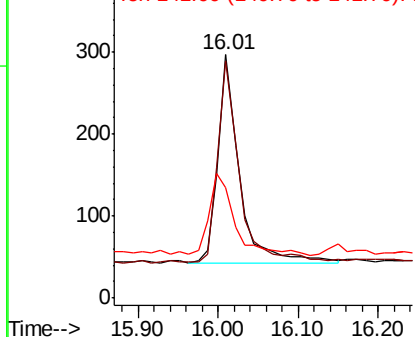


#14
2,4,6-Tribromophenol
Concen: 0.431 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:330 Resp: 473
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 46.9 39.0 58.4



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

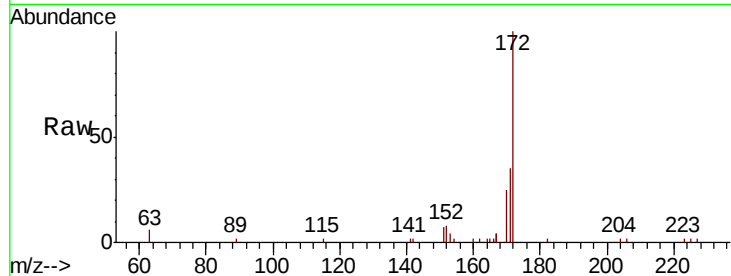




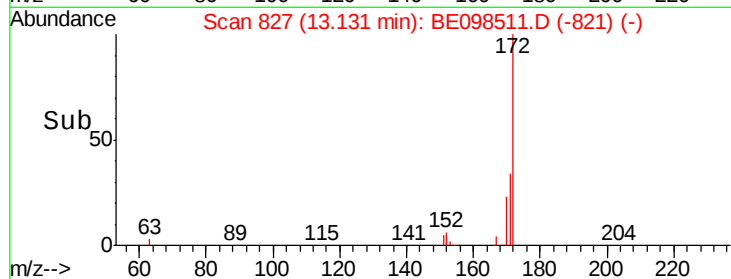
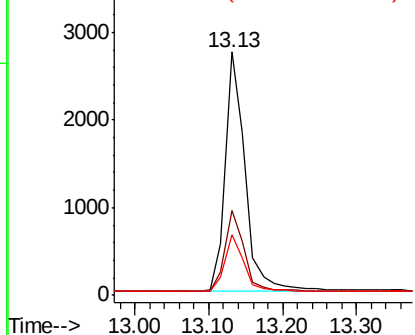
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5146
Ion Ratio Lower Upper
172 100
171 34.8 27.5 41.3
170 24.7 19.6 29.4

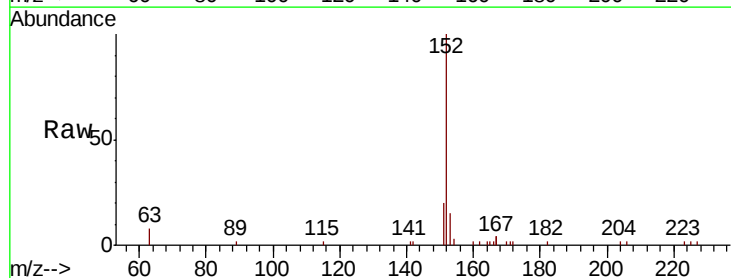


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

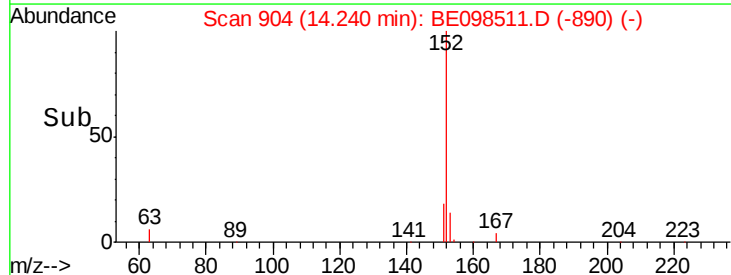
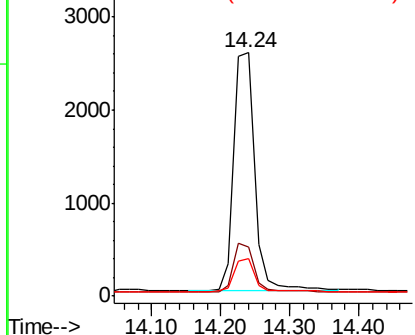


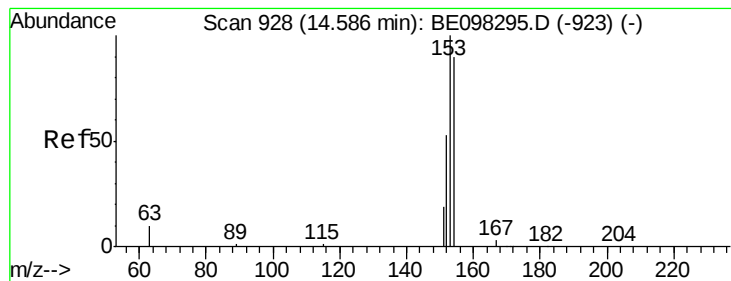
#16
Acenaphthylene
Concen: 0.388 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:152 Resp: 5435
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.7 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.416 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.02 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :

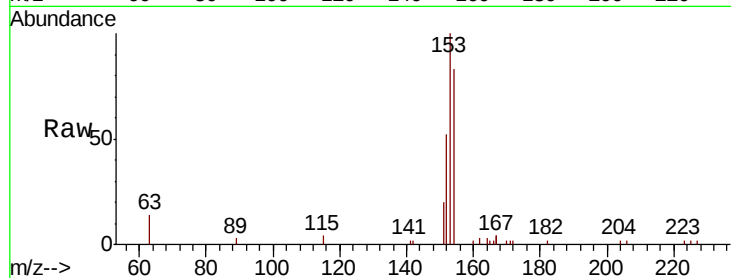
Tot Ion:154 Resp: 3499

Ion Ratio Lower Upper

154 100

153 117.5 91.8 137.6

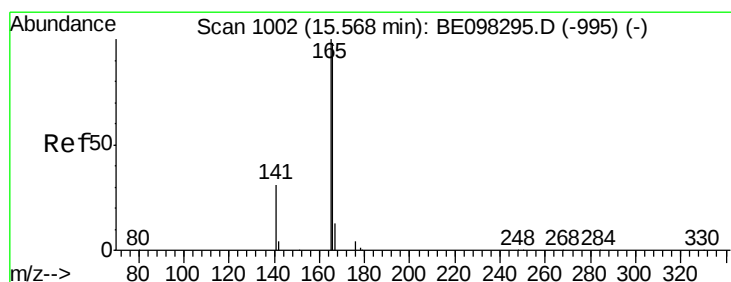
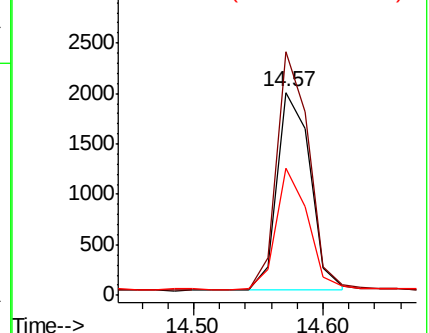
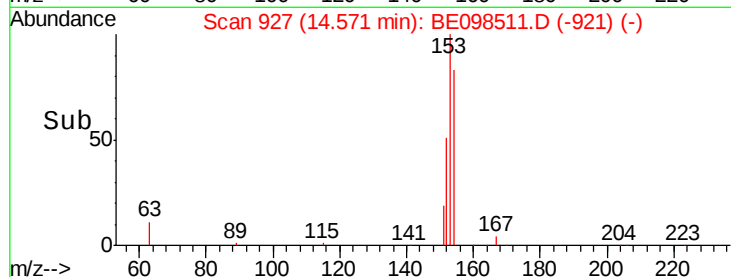
152 58.8 45.5 68.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.443 ng

RT: 15.56 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

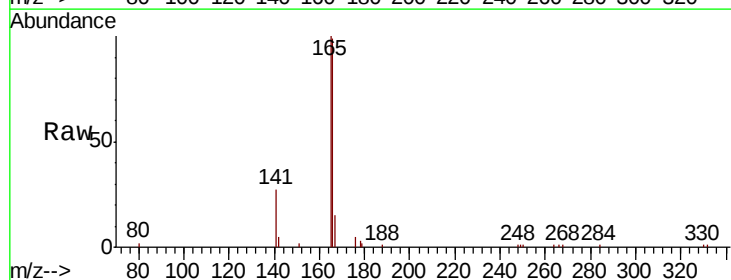
Tgt Ion:166 Resp: 4981

Ion Ratio Lower Upper

166 100

165 99.8 79.3 118.9

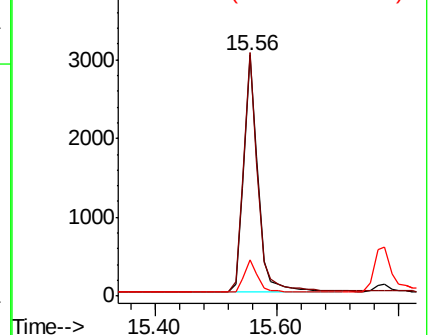
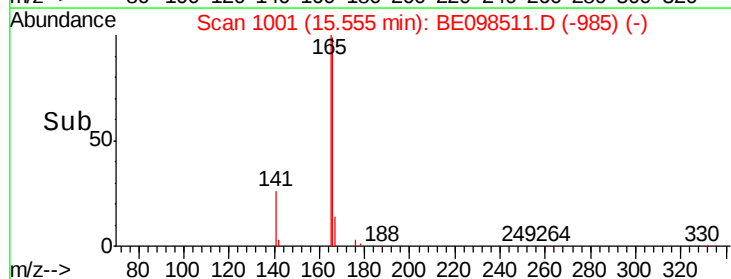
167 13.3 11.3 16.9

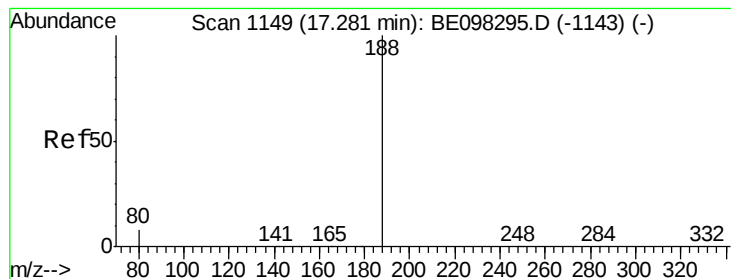


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :

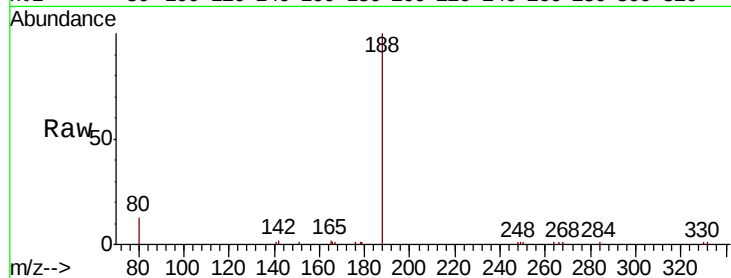
Tot Ion:188 Resp: 7291

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

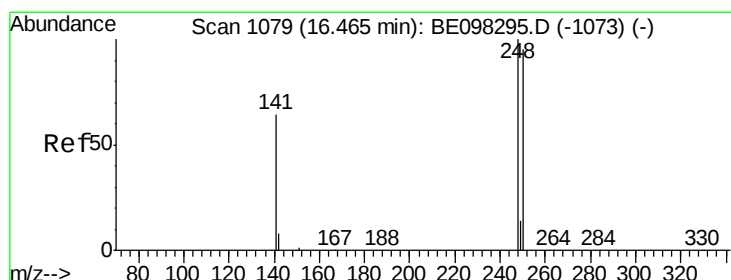
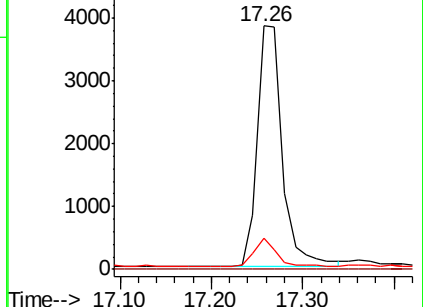
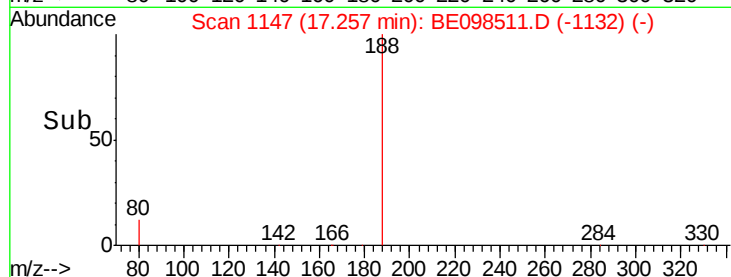
80 13.0 7.2 10.8#



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: 0.416 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

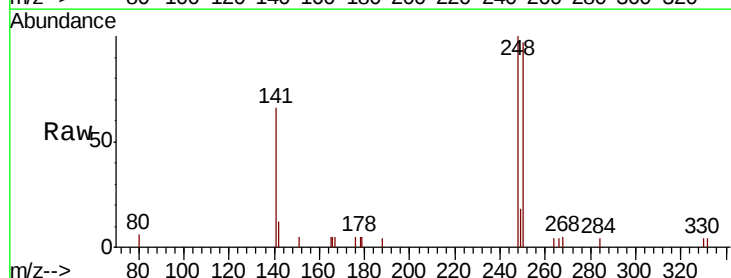
Tgt Ion:248 Resp: 1632

Ion Ratio Lower Upper

248 100

250 96.7 71.0 106.6

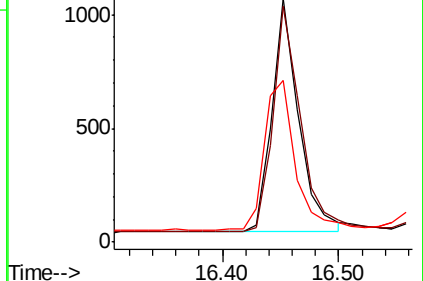
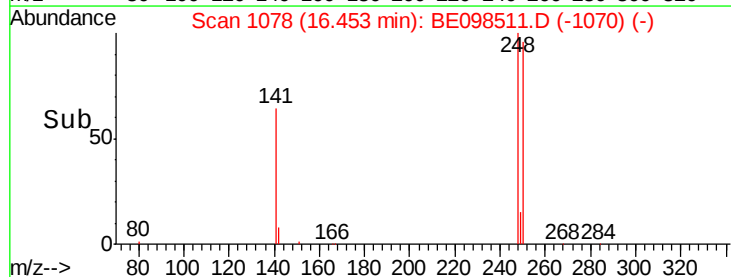
141 66.4 62.1 93.1



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

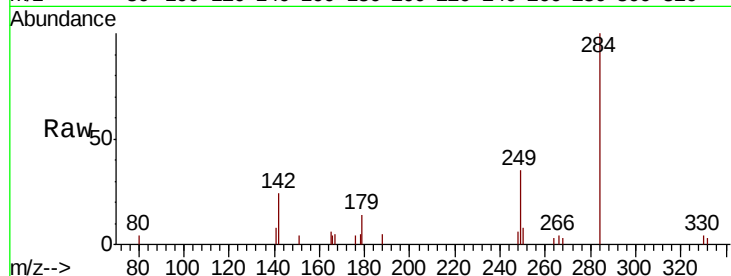




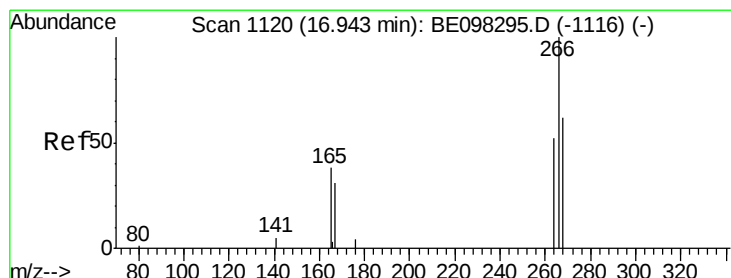
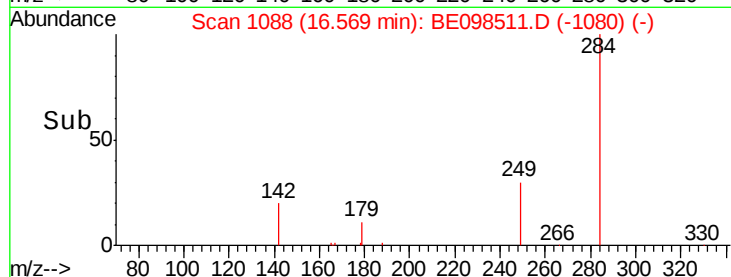
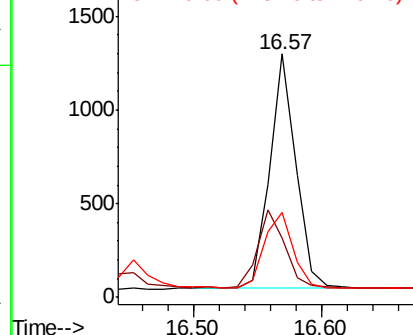
#21
Hexachlorobenzene
Concen: 0.427 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1803
Ion Ratio Lower Upper
284 100
142 33.9 26.3 39.5
249 34.8 26.0 39.0

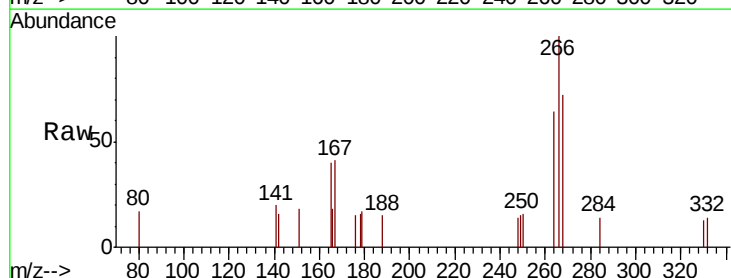


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

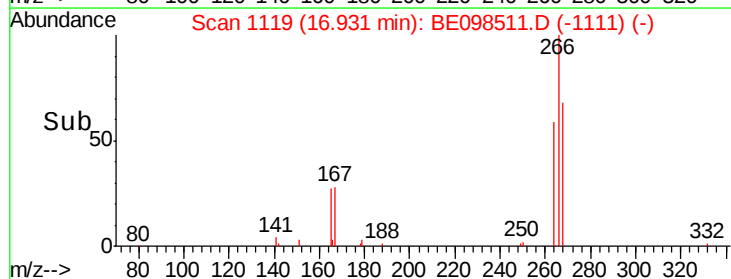
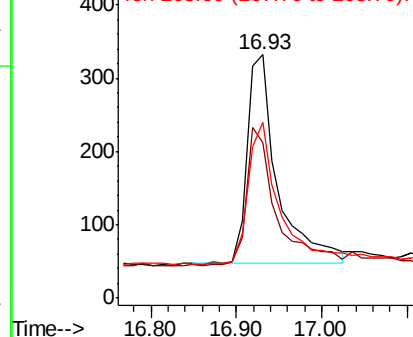


#22
Pentachlorophenol
Concen: 0.895 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:266 Resp: 710
Ion Ratio Lower Upper
266 100
264 63.9 59.0 88.4
268 72.3 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: 0.470 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :

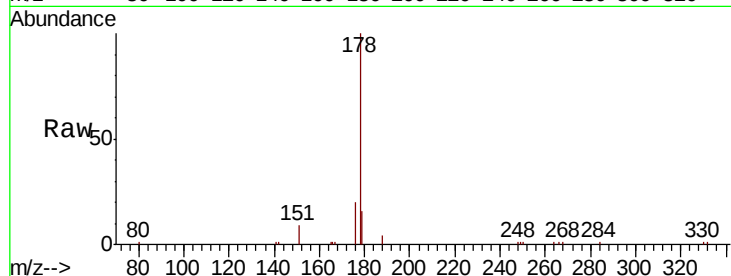
Tot Ion:178 Resp: 8334

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

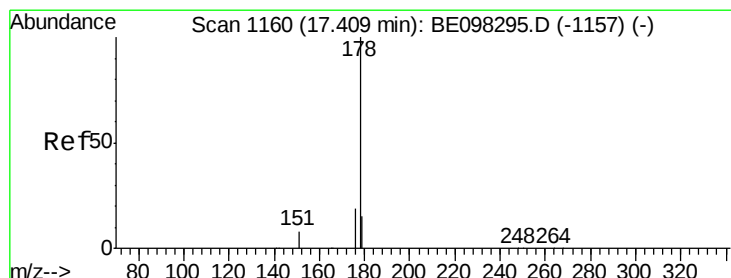
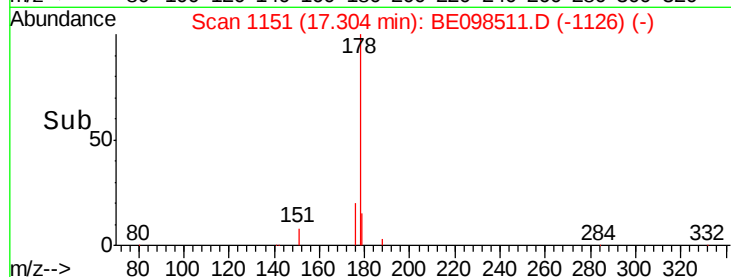
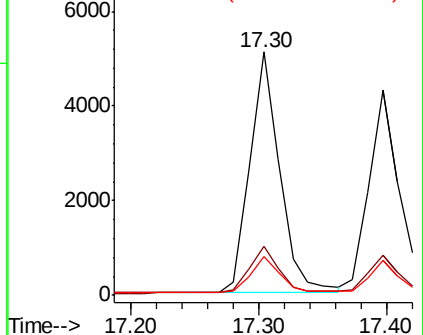
179 15.5 12.3 18.5



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: 0.445 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

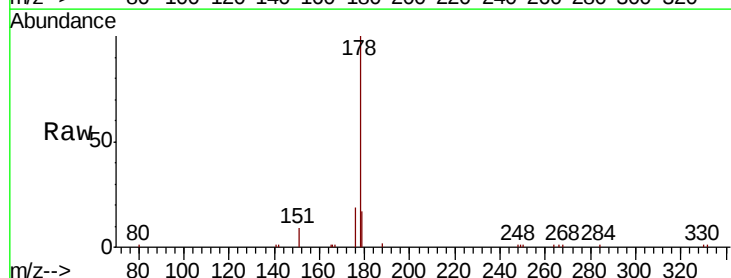
Tgt Ion:178 Resp: 7032

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

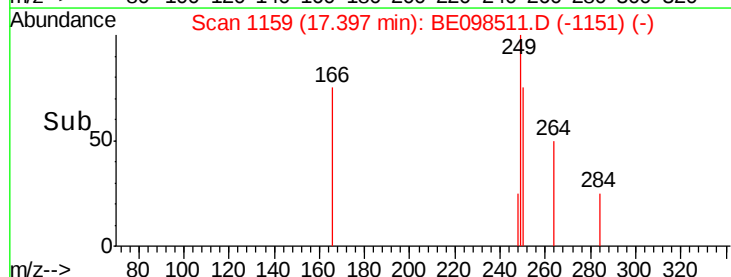
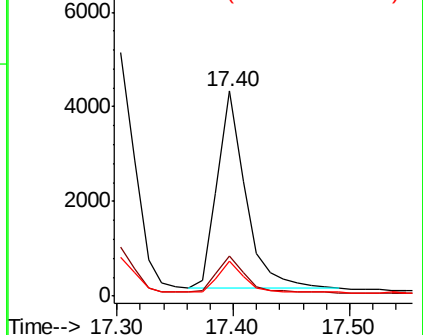
179 14.6 12.3 18.5



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: 0.443 ng

RT: 19.29 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :

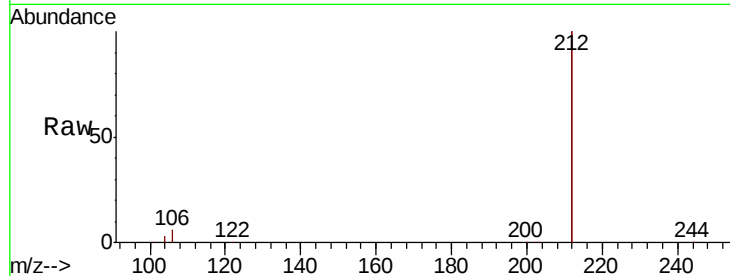
Tot Ion:212 Resp: 41395

Ion Ratio Lower Upper

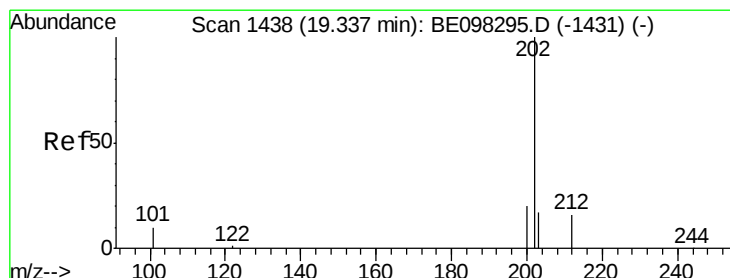
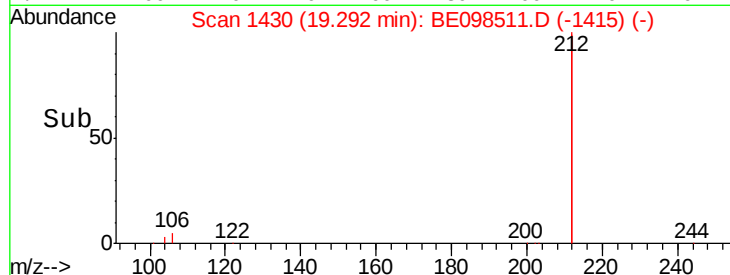
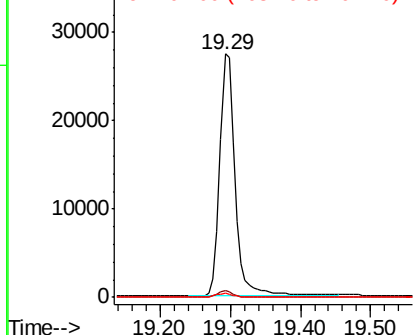
212 100

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: 0.455 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

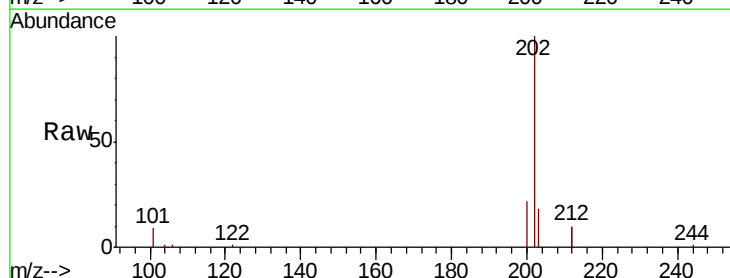
Tgt Ion:202 Resp: 10657

Ion Ratio Lower Upper

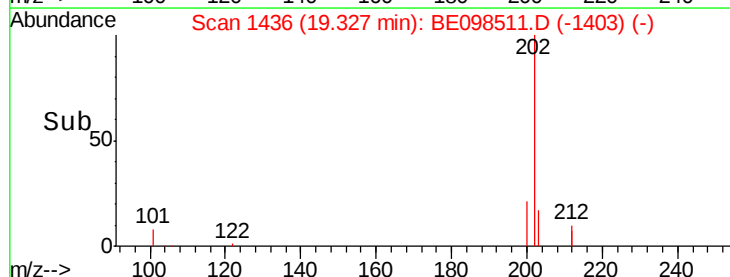
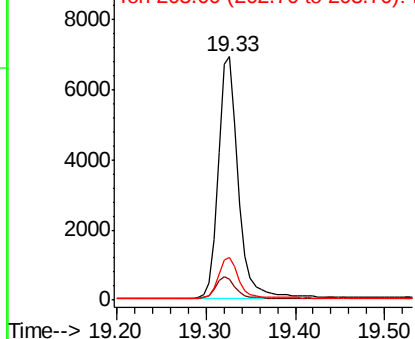
202 100

101 9.2 8.0 12.0

203 16.8 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

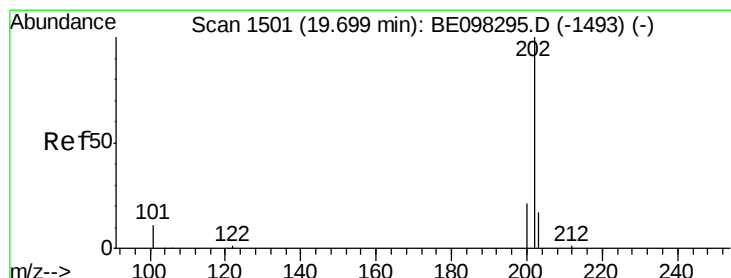
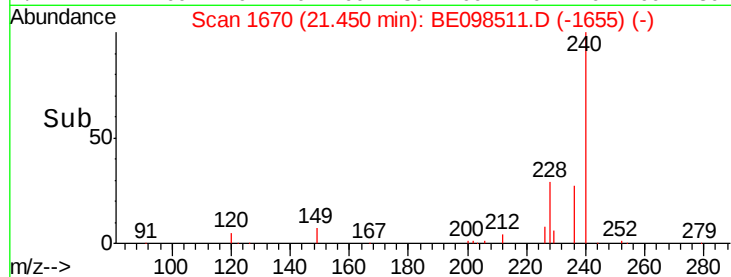
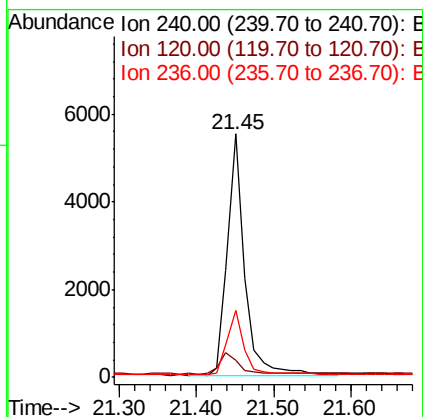
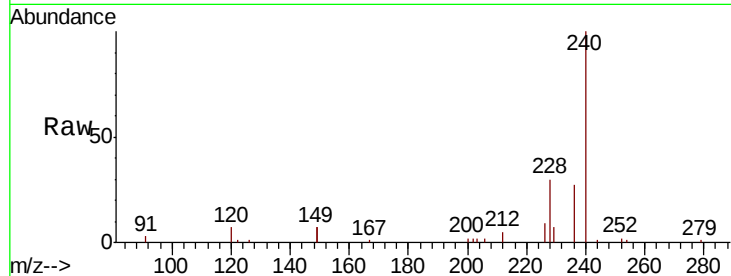




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.45 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BE098511.D
 Acq: 18 Dec 2018 11:25

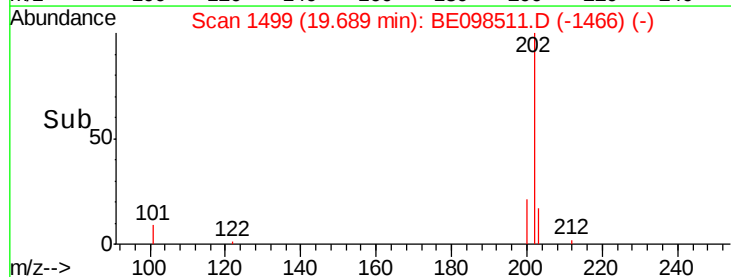
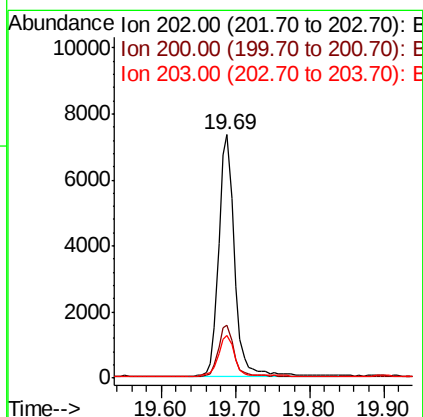
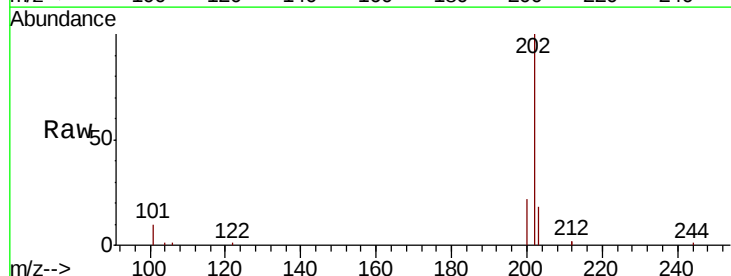
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 8538
 Ion Ratio Lower Upper
 240 100
 120 6.8 9.5 14.3#
 236 27.3 22.7 34.1



#28
 Pyrene
 Concen: 0.402 ng
 RT: 19.69 min Scan# 1499
 Delta R.T. -0.01 min
 Lab File: BE098511.D
 Acq: 18 Dec 2018 11:25

Tgt Ion:202 Resp: 10777
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.7 25.1
 203 17.4 14.1 21.1





#29

Terphenyl-d14

Concen: 0.429 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

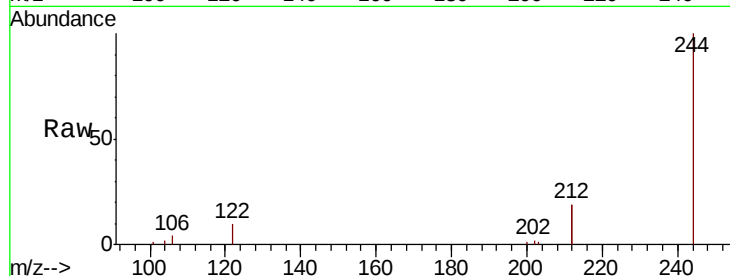
Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :



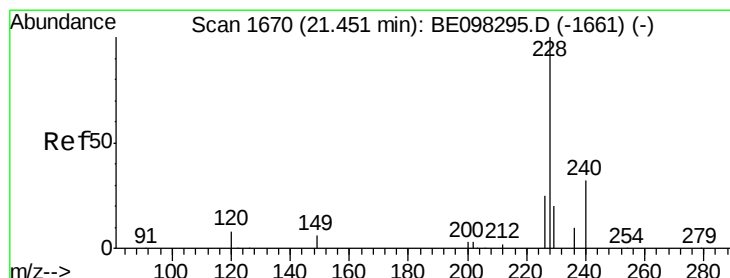
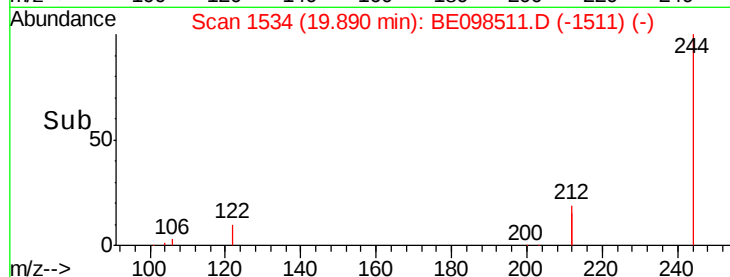
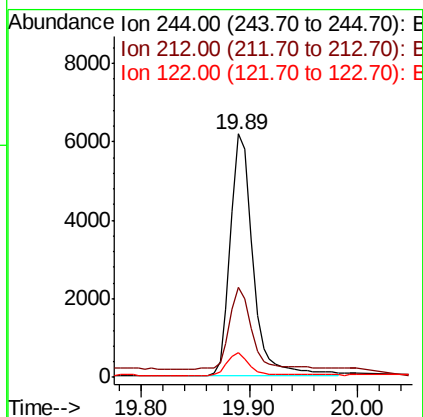
Tot Ion:244 Resp: 8900

Ion Ratio Lower Upper

244 100

212 37.0 27.4 41.0

122 10.3 8.3 12.5



#30

Benzo(a)anthracene

Concen: 0.444 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

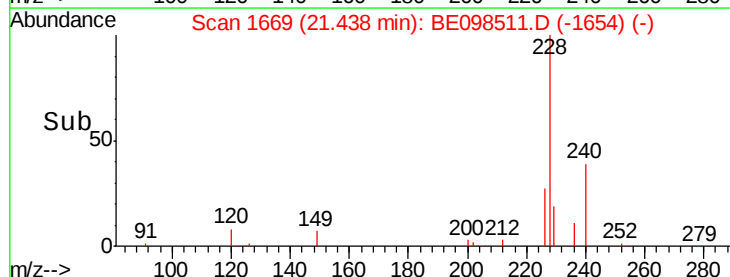
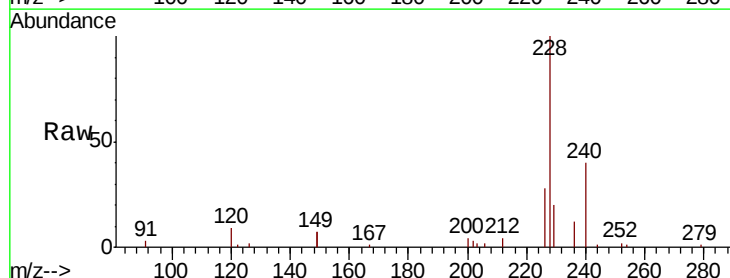
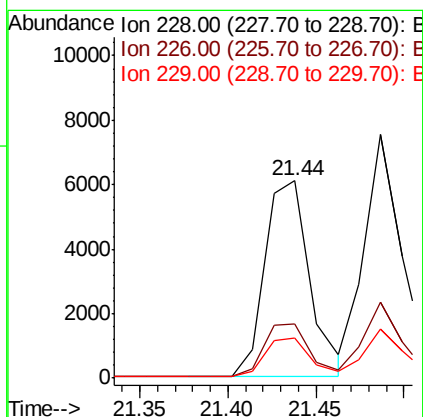
Tgt Ion:228 Resp: 10785

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

229 20.1 16.3 24.5





#31

Chrysene

Concen: 0.434 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :

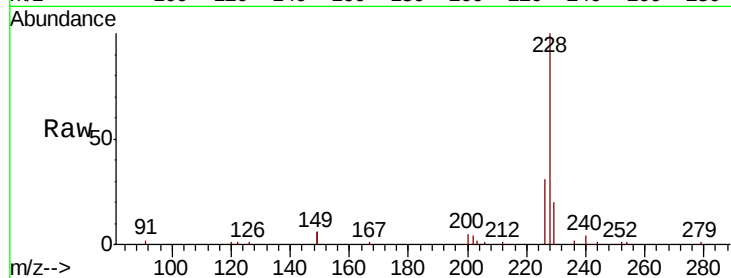
Tot Ion:228 Resp: 11051

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.0

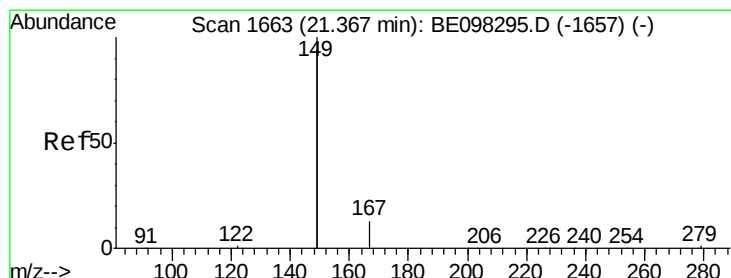
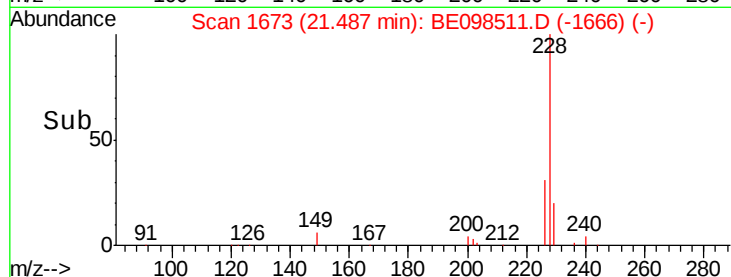
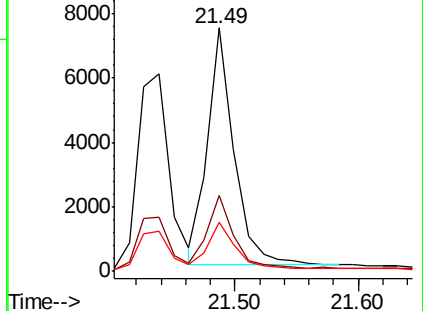
229 20.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.391 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

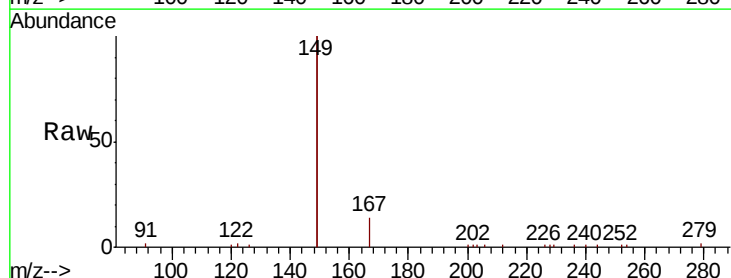
Tgt Ion:149 Resp: 19289

Ion Ratio Lower Upper

149 100

167 6.7 5.7 8.5

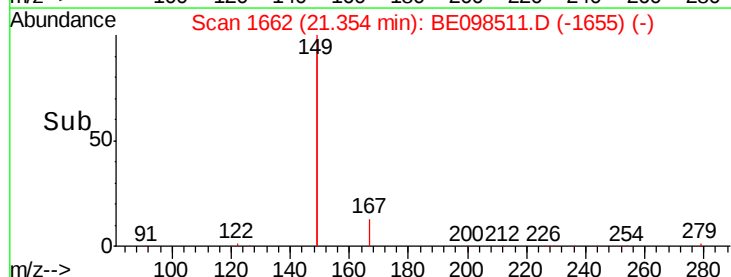
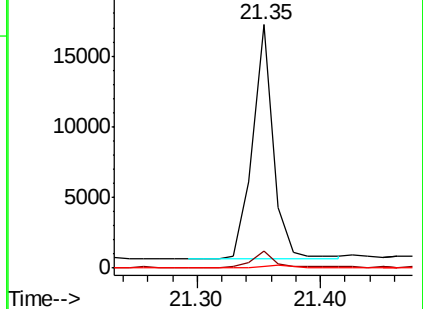
279 1.0 1.0 1.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

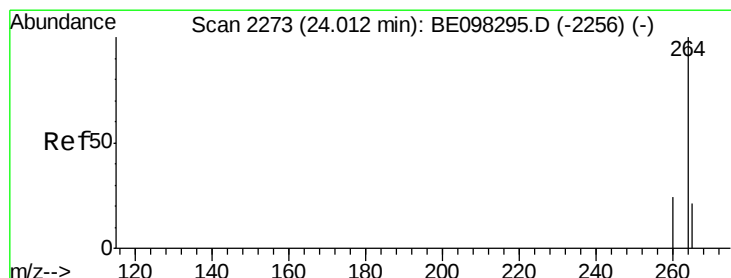
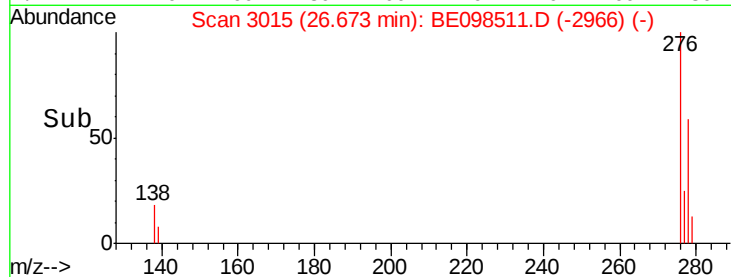
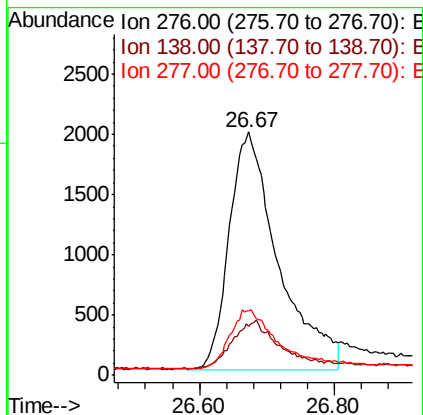
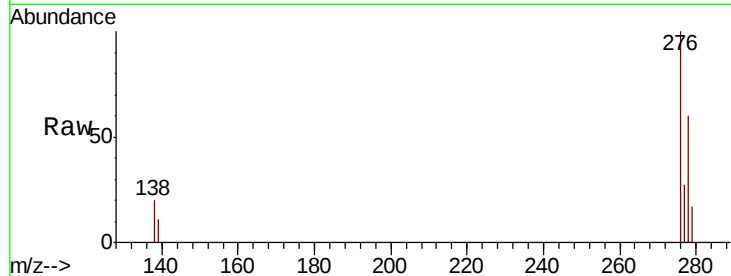




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng
RT: 26.67 min Scan# 3015
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

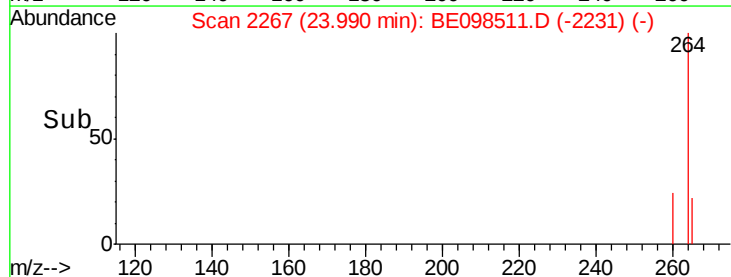
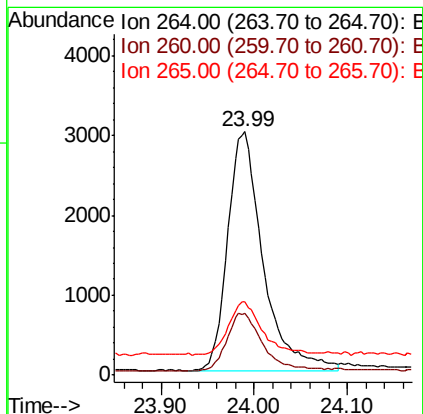
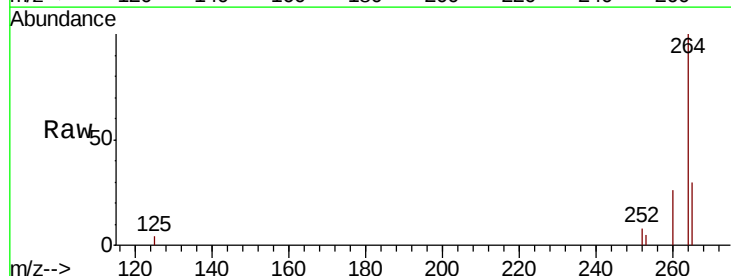
Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 9927
Ion Ratio Lower Upper
276 100
138 19.0 16.3 24.5
277 0.0 20.2 30.4#



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:264 Resp: 7914
Ion Ratio Lower Upper
264 100
260 25.6 20.2 30.2
265 29.9 25.2 37.8

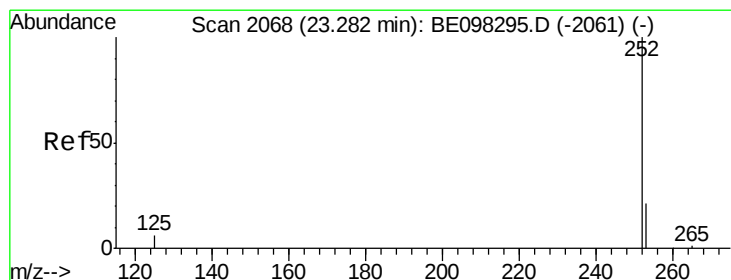
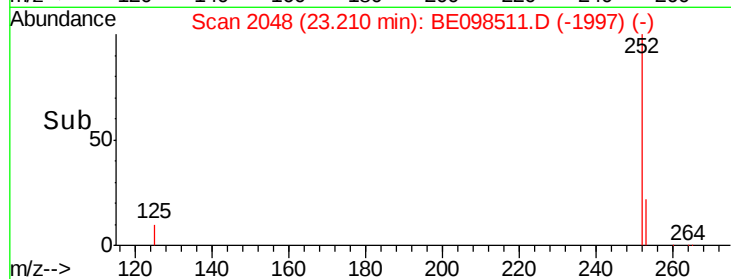
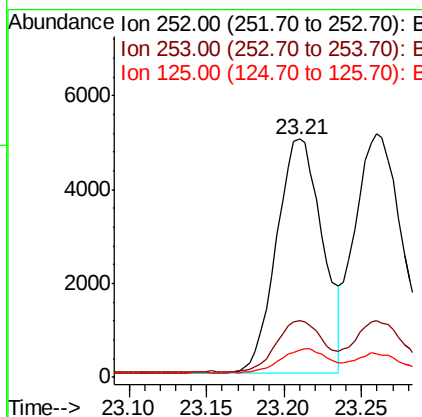
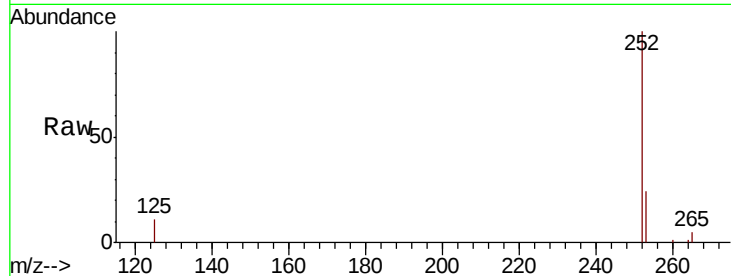




#35
Benzo(b)fluoranthene
Concen: 0.476 ng
RT: 23.21 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

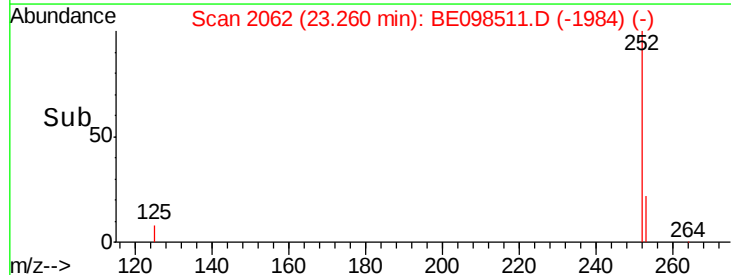
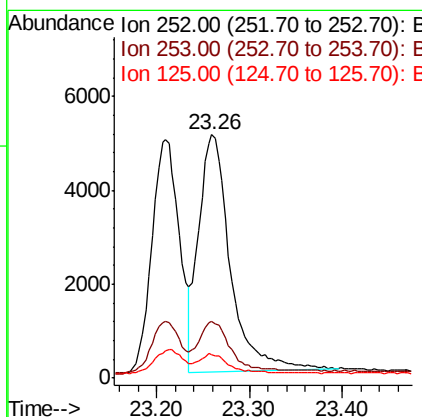
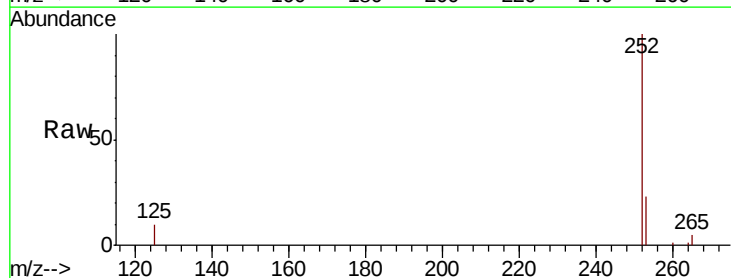
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 10312
Ion Ratio Lower Upper
252 100
253 24.0 20.0 30.0
125 11.4 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.470 ng
RT: 23.26 min Scan# 2062
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:252 Resp: 11838
Ion Ratio Lower Upper
252 100
253 23.4 19.0 28.6
125 9.7 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.473 ng

RT: 23.87 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :

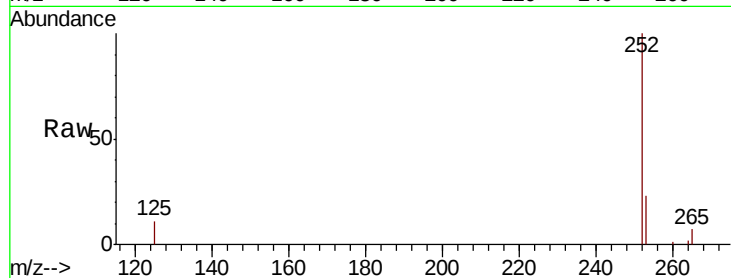
Tot Ion:252 Resp: 10573

Ion Ratio Lower Upper

252 100

253 23.4 20.6 30.8

125 11.5 10.5 15.7

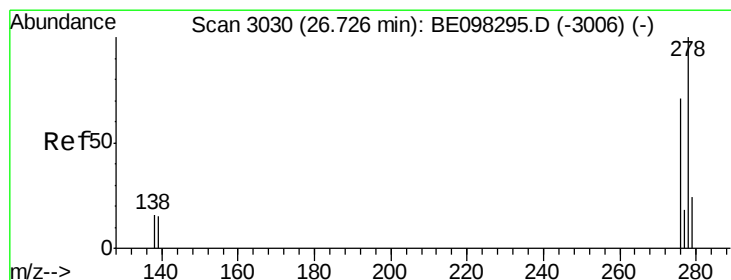
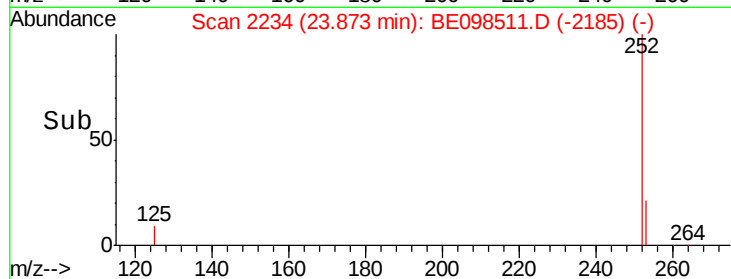
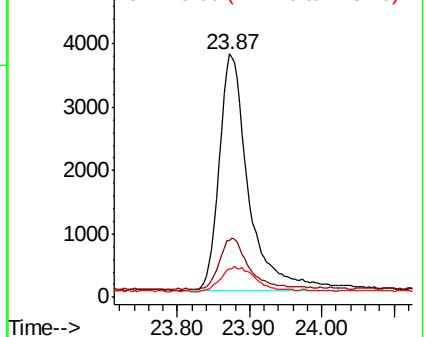


Abundance

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: 0.414 ng

RT: 26.69 min Scan# 3021

Delta R.T. -0.03 min

Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

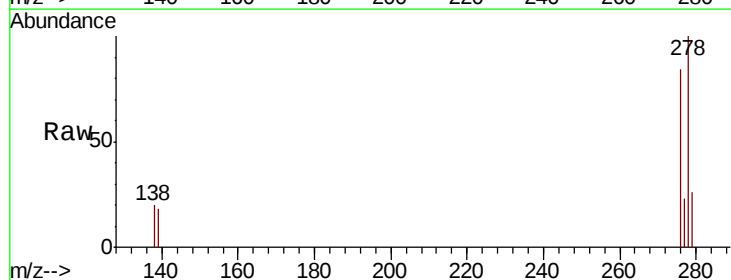
Tgt Ion:278 Resp: 8704

Ion Ratio Lower Upper

278 100

139 17.6 14.5 21.7

279 26.2 21.8 32.8

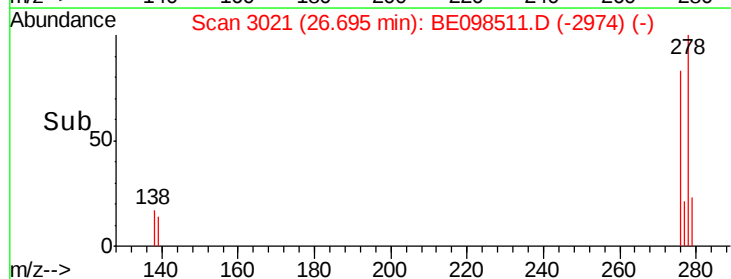
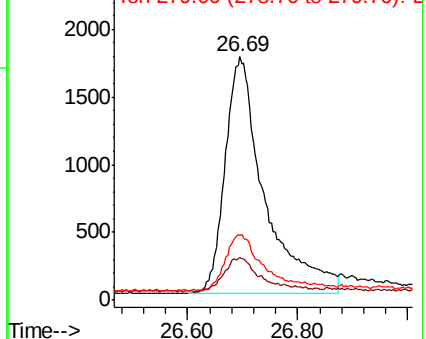


Abundance

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: 0.394 ng

RT: 27.49 min Scan# 3243

Delta R.T. -0.03 min

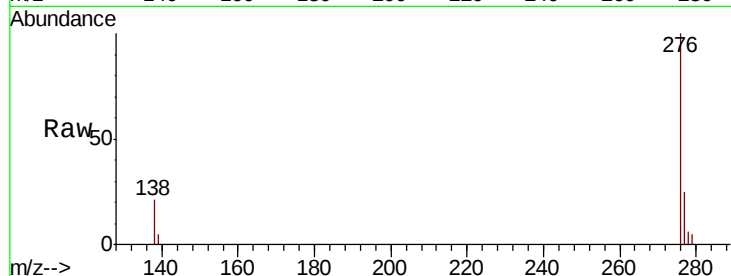
Lab File: BE098511.D

Acq: 18 Dec 2018 11:25

Instrument :

BNA_E

ClientSampleId :



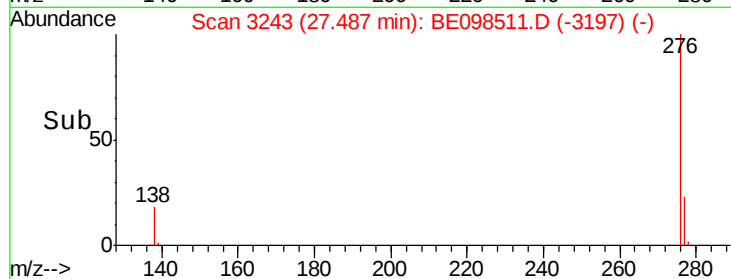
Tot Ion: 276 Resp: 8350

Ion Ratio Lower Upper

276 100

277 25.3 20.8 31.2

138 20.7 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

