

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121118\
 Data File : BE098334.D
 Acq On : 11 Dec 2018 15:50
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 12 17:36:29 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	1702	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	7264	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4182	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	10800	0.40	ng	0.00
27) Chrysene-d12	21.46	240	12505	0.40	ng	0.00
34) Perylene-d12	24.01	264	12175	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	1481	0.37	ng	0.00
5) Phenol-d6	7.04	99	2073	0.37	ng	0.00
8) Nitrobenzene-d5	9.03	82	2525	0.38	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	4414	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	526	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.14	172	7011	0.40	ng	0.00
25) Fluoranthene-d10	19.31	212	53047	0.38	ng	0.00
29) Terphenyl-d14	19.91	244	9993	0.33	ng	0.00

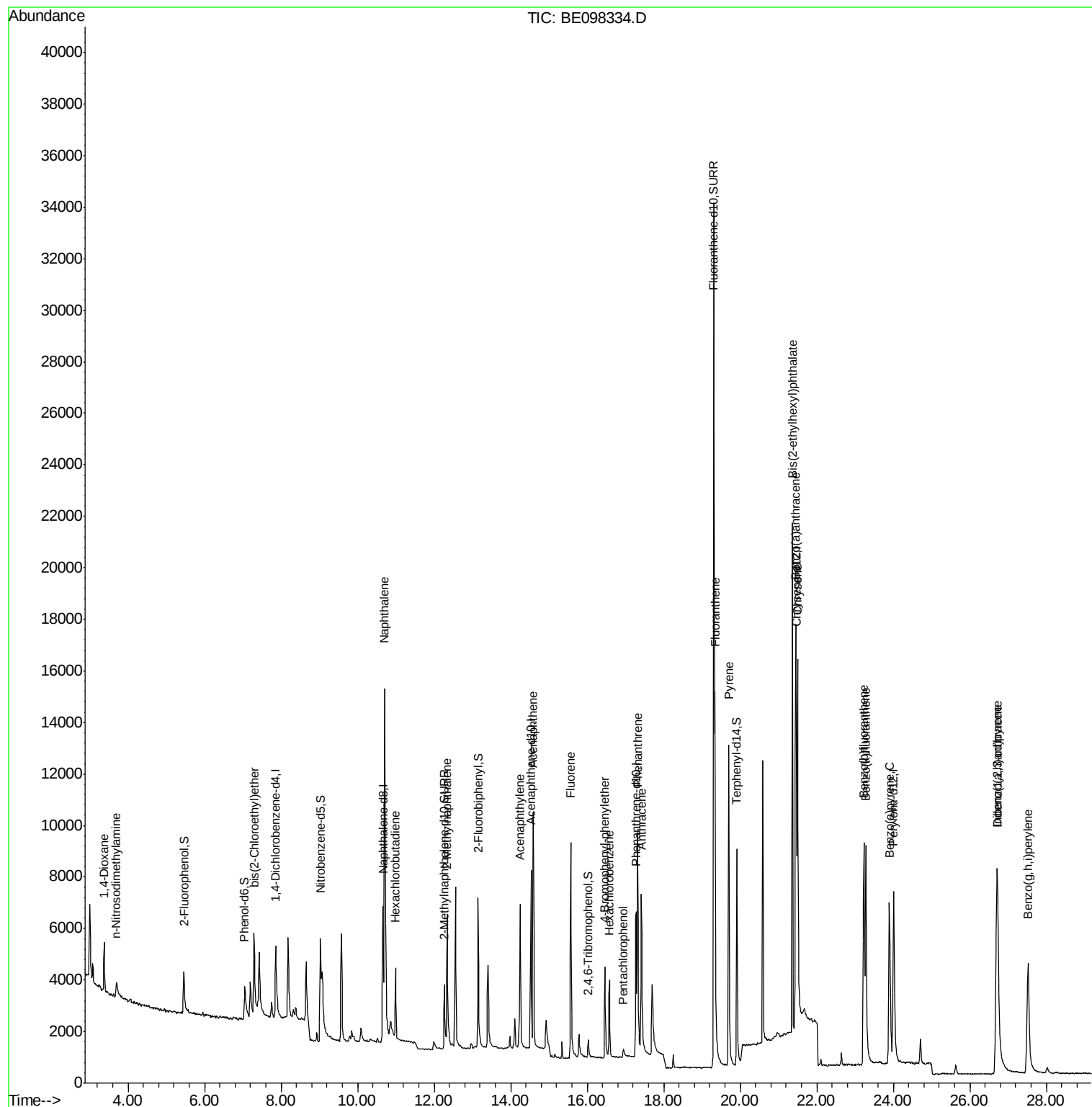
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	1090	0.370	ng	95
3) n-Nitrosodimethylamine	3.69	42	726	0.274	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1988	0.371	ng	81
9) Naphthalene	10.70	128	28499	0.390	ng	100
10) Hexachlorobutadiene	10.99	225	1825	0.392	ng	97
12) 2-Methylnaphthalene	12.34	142	4436	0.373	ng	98
16) Acenaphthylene	14.24	152	7791	0.398	ng	99
17) Acenaphthene	14.59	154	4674	0.397	ng	98
18) Fluorene	15.57	166	5940	0.377	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	2185	0.376	ng	91
21) Hexachlorobenzene	16.58	284	2509	0.401	ng	97
22) Pentachlorophenol	16.94	266	336	0.343	ng	93
23) Phenanthrene	17.31	178	10105	0.385	ng	98
24) Anthracene	17.41	178	8339	0.356	ng	98
26) Fluoranthene	19.34	202	13293	0.383	ng	99
28) Pyrene	19.70	202	13627	0.347	ng	99
30) Benzo(a)anthracene	21.45	228	13035	0.366	ng	100
31) Chrysene	21.50	228	14490	0.388	ng	98
32) Bis(2-ethylhexyl)phthalate	21.37	149	24390	0.337	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	15194	0.409	ng	99
35) Benzo(b)fluoranthene	23.23	252	12949	0.389	ng	98
36) Benzo(k)fluoranthene	23.28	252	16094	0.415	ng	97
37) Benzo(a)pyrene	23.89	252	13649	0.397	ng	96
38) Dibenzo(a,h)anthracene	26.73	278	12195	0.377	ng	97
39) Benzo(g,h,i)perylene	27.51	276	12640	0.388	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121118\
Data File : BE098334.D
Acq On : 11 Dec 2018 15:50
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Dec 12 17:36:29 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



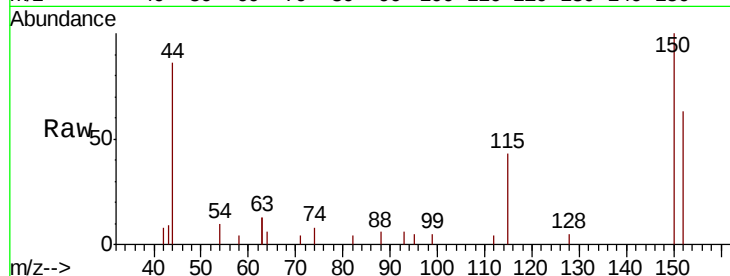


#1

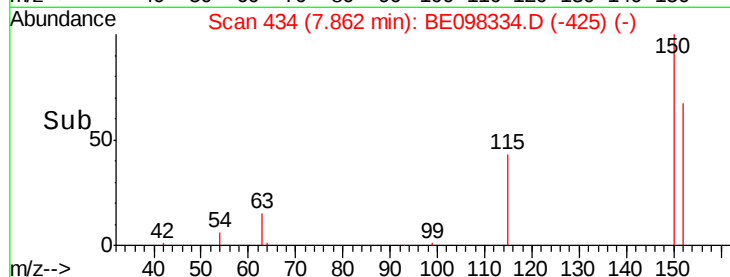
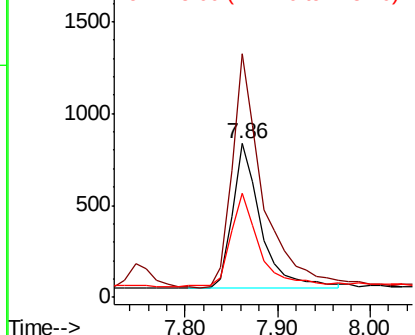
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098334.D
Acq: 11 Dec 2018 15:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1702
Ion Ratio Lower Upper
152 100
150 158.7 124.2 186.4
115 67.5 53.9 80.9



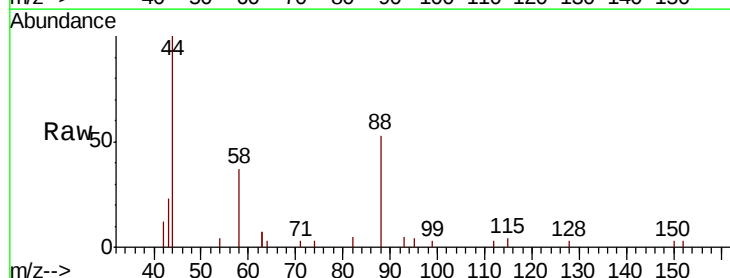
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



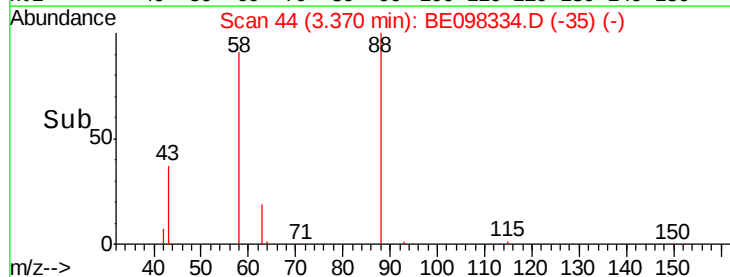
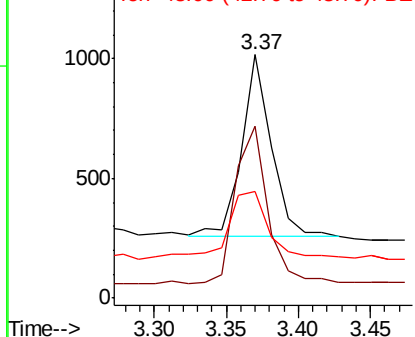
#2

1,4-Dioxane
Concen: 0.370 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098334.D
Acq: 11 Dec 2018 15:50

Tgt Ion: 88 Resp: 1090
Ion Ratio Lower Upper
88 100
58 96.7 75.0 112.6
43 53.9 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

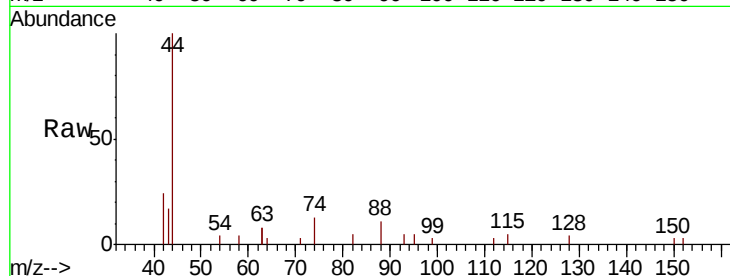




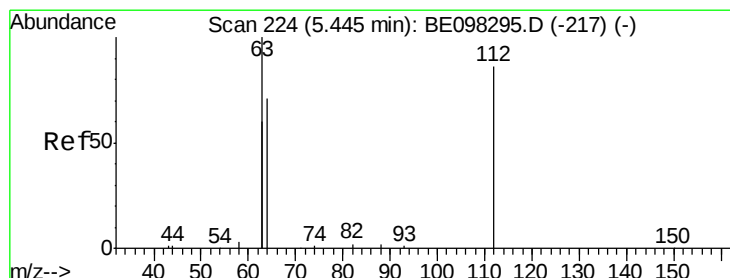
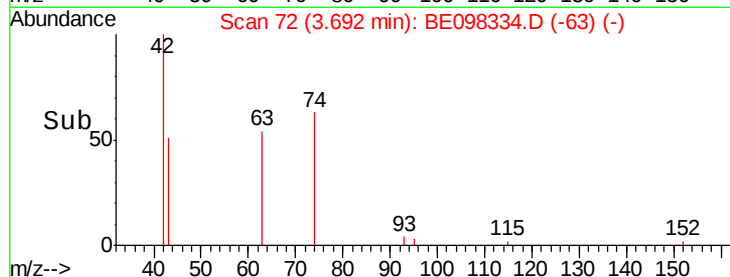
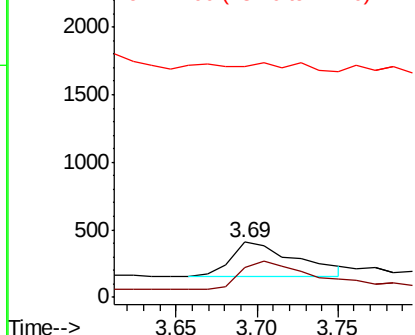
#3
n-Nitrosodimethylamine
Concen: 0.274 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE098334.D
Acq: 11 Dec 2018 15:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 726
Ion Ratio Lower Upper
42 100
74 82.0 0.0 0.0#
44 0.0 0.0 0.0

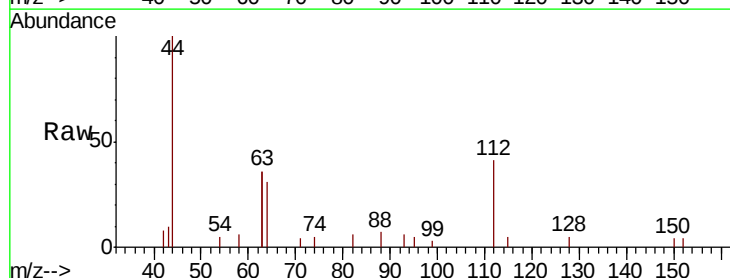


Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0

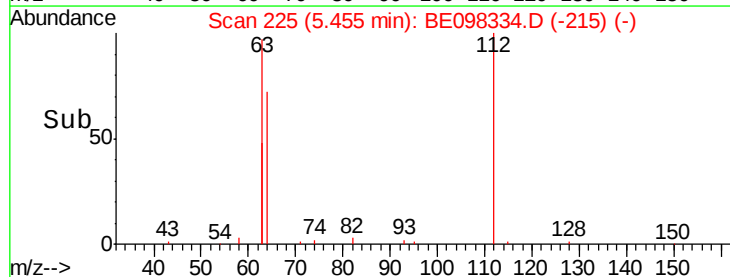
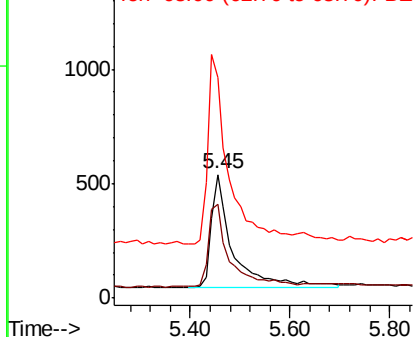


#4
2-Fluorophenol
Concen: 0.372 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098334.D
Acq: 11 Dec 2018 15:50

Tgt Ion: 112 Resp: 1481
Ion Ratio Lower Upper
112 100
64 72.1 59.8 89.8
63 162.9 133.7 200.5



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: 0.367 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

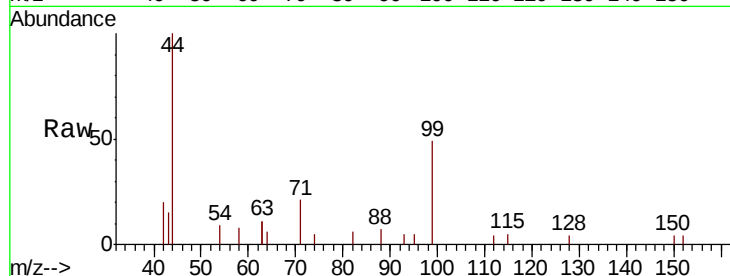
Tot Ion: 99 Resp: 2073

Ion Ratio Lower Upper

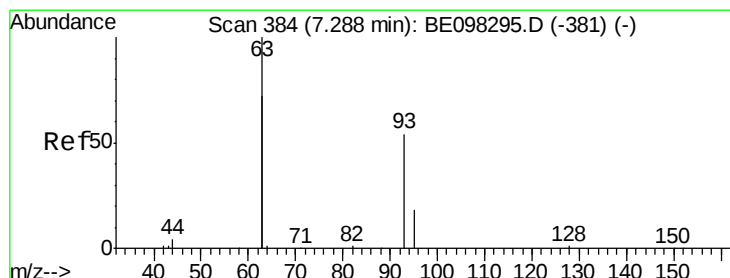
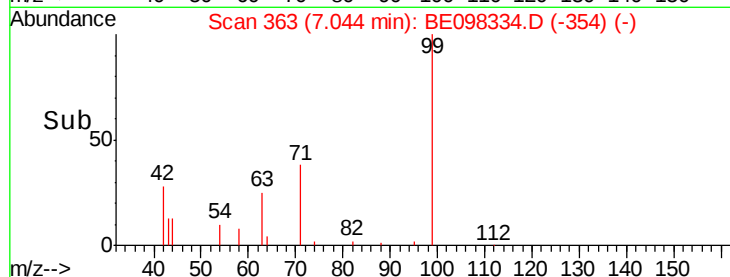
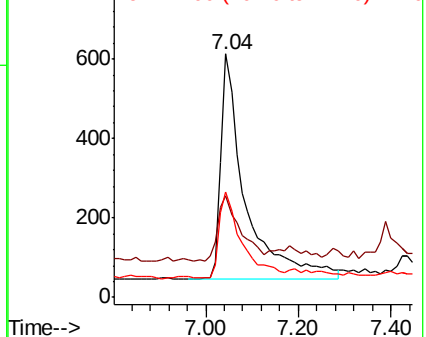
99 100

42 26.4 26.3 39.5

71 35.2 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: 0.371 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

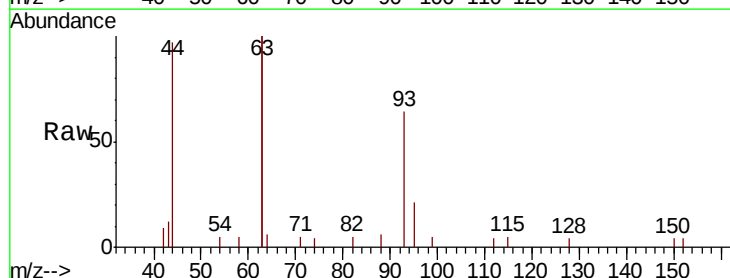
Tgt Ion: 93 Resp: 1988

Ion Ratio Lower Upper

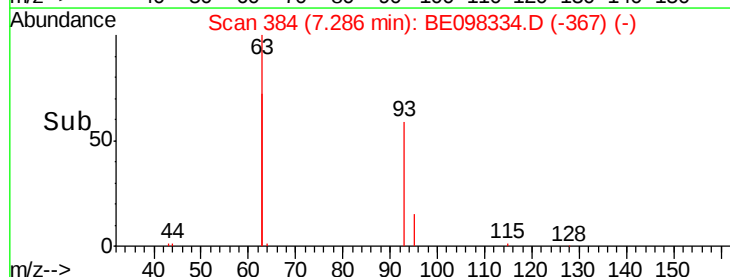
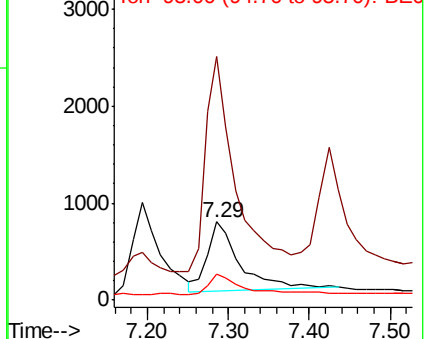
93 100

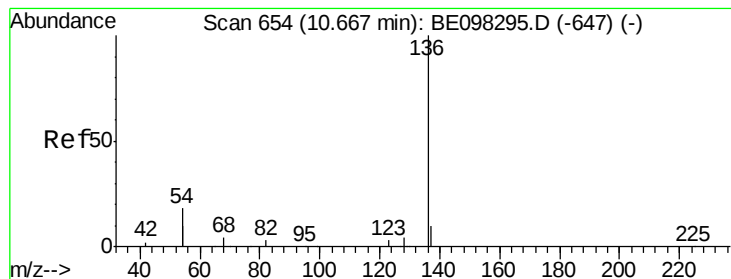
63 287.7 264.4 396.6

95 28.6 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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7264

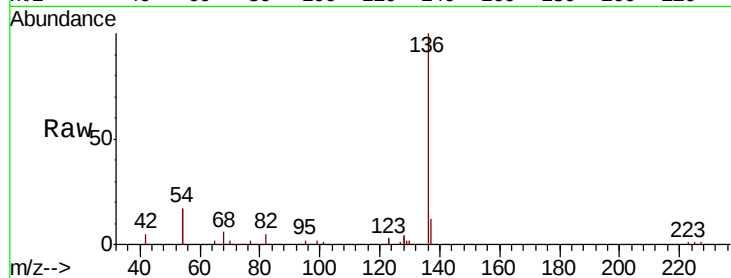
Ion Ratio Lower Upper

136 100

137 12.3 9.2 13.8

54 33.7 28.4 42.6

68 5.6 5.4 8.0

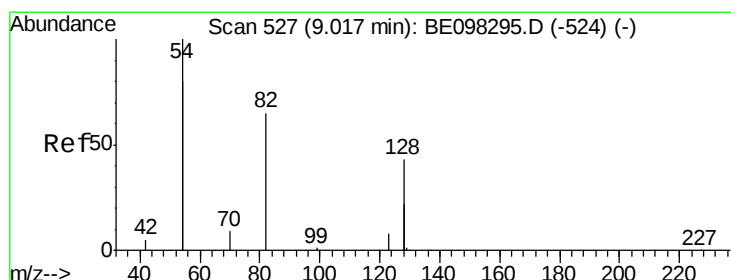
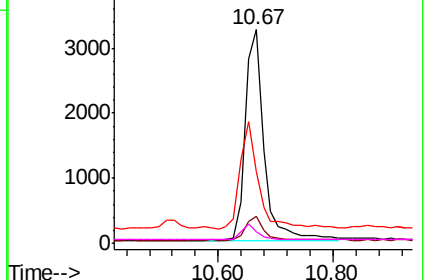
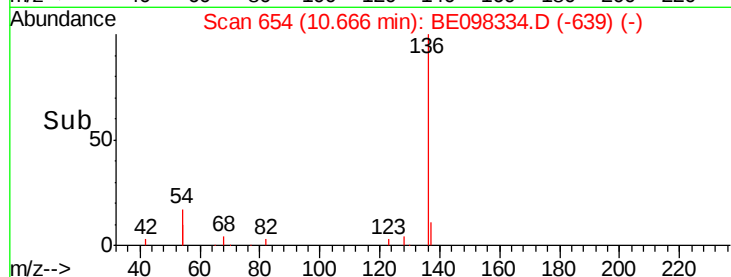


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.382 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

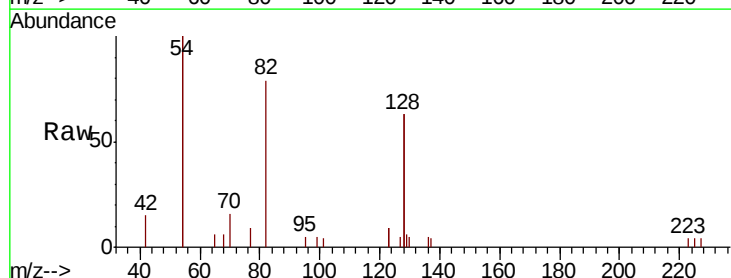
Tgt Ion: 82 Resp: 2525

Ion Ratio Lower Upper

82 100

128 158.0 102.4 153.6#

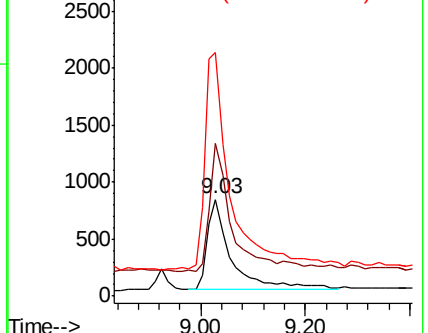
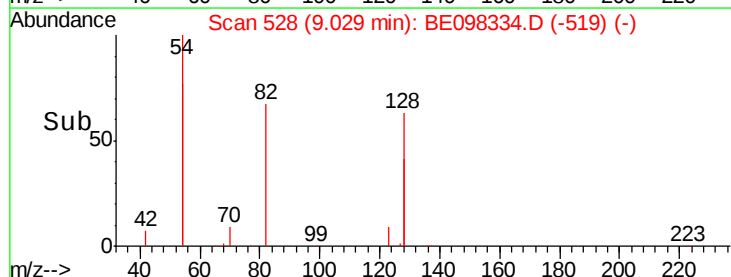
54 251.9 221.8 332.8

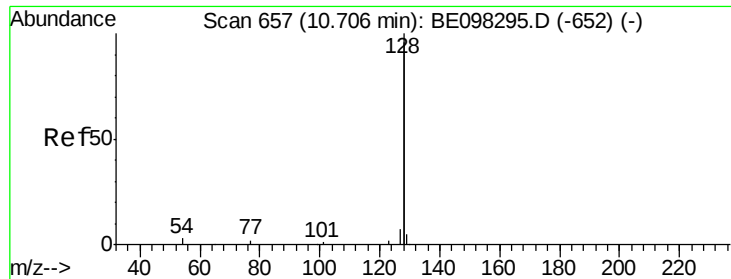


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.390 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

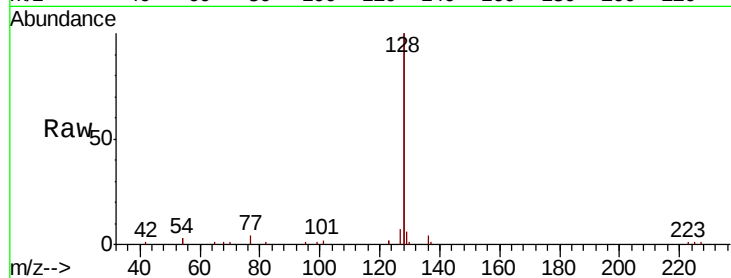
Tot Ion:128 Resp: 28499

Ion Ratio Lower Upper

128 100

129 3.1 2.5 3.7

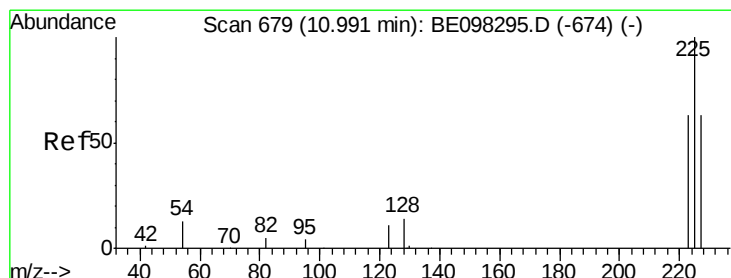
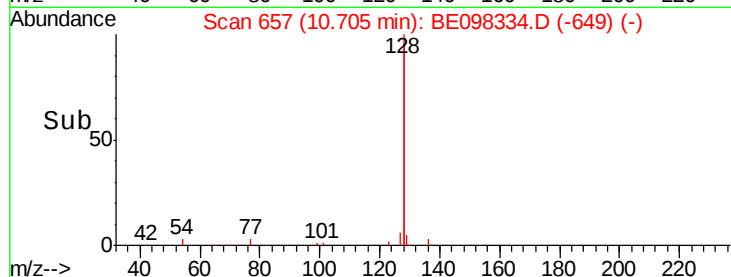
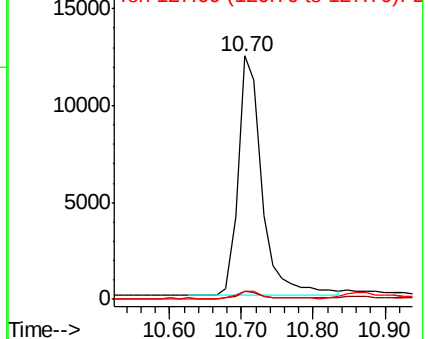
127 3.5 2.7 4.1



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: 0.392 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

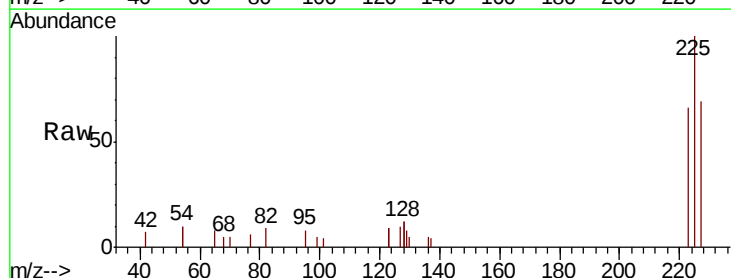
Tgt Ion:225 Resp: 1825

Ion Ratio Lower Upper

225 100

223 65.4 49.4 74.0

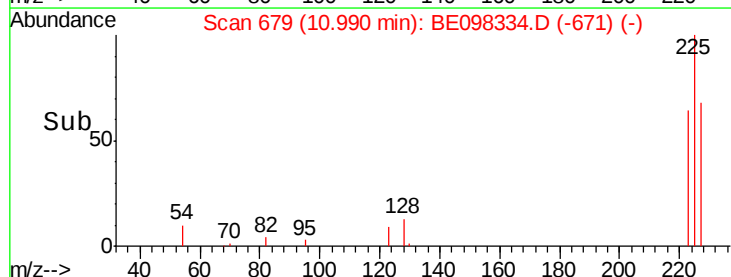
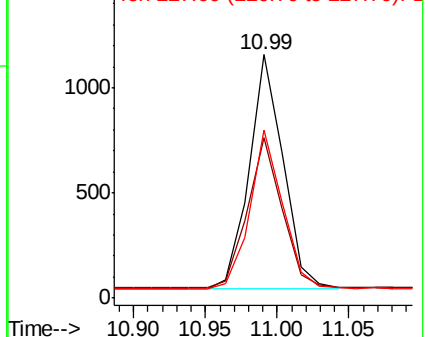
227 65.4 52.0 78.0

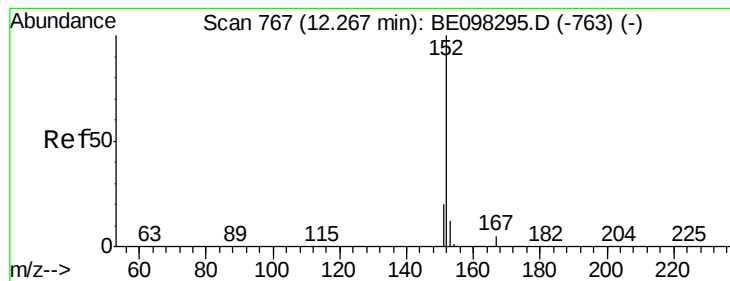


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

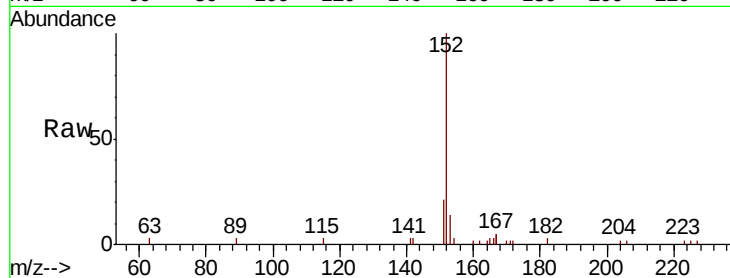
ClientSampleId :

Tot Ion:152 Resp: 4414

Ion Ratio Lower Upper

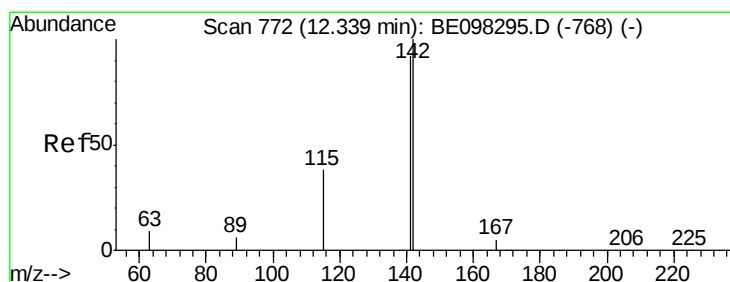
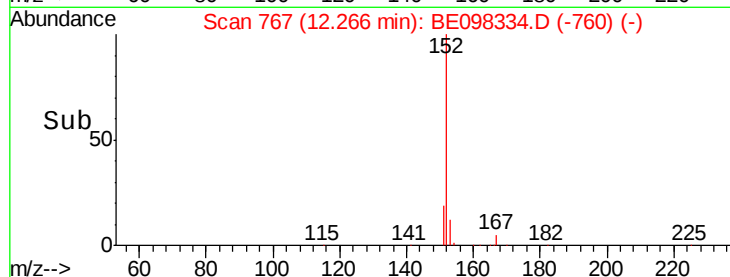
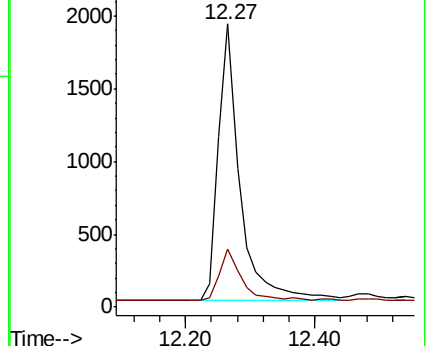
152 100

151 19.0 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: 0.373 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

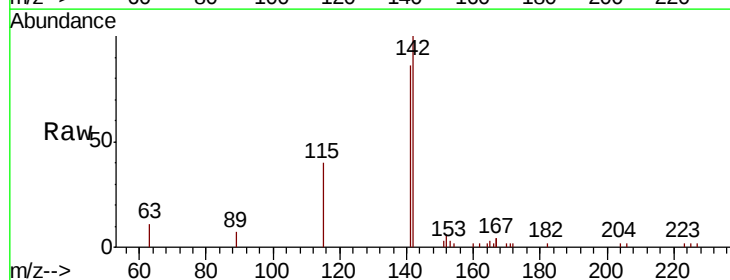
Tgt Ion:142 Resp: 4436

Ion Ratio Lower Upper

142 100

141 86.3 71.0 106.6

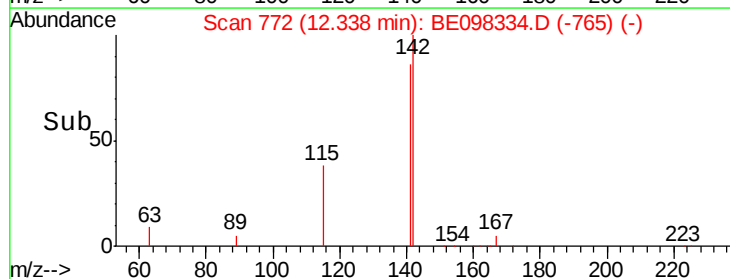
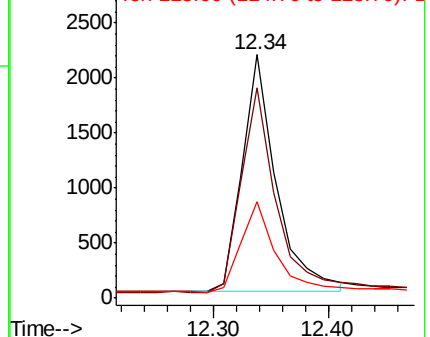
115 39.5 32.2 48.2



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

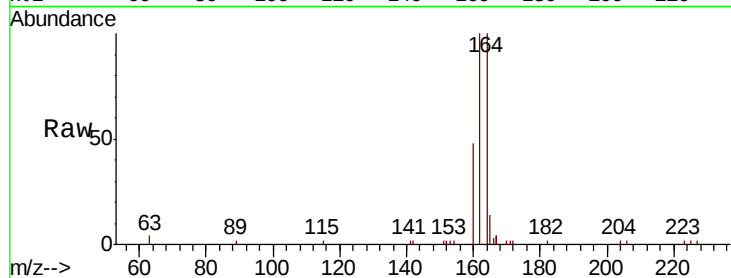




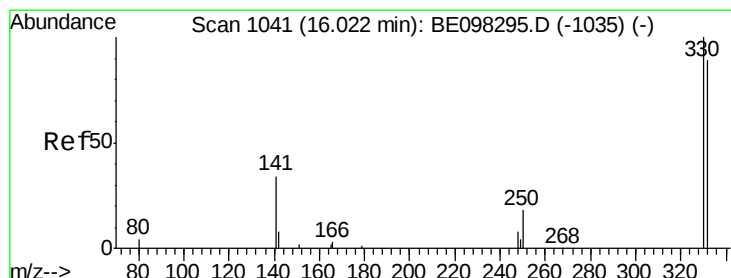
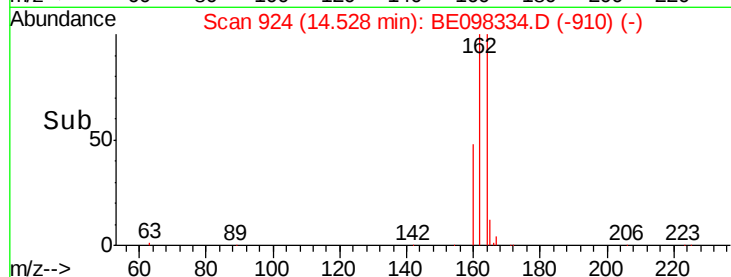
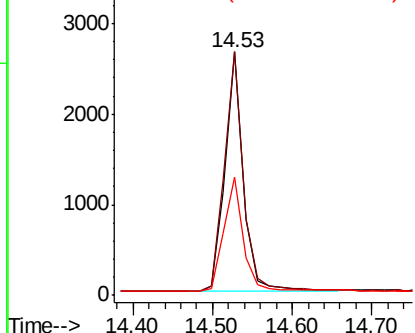
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098334.D
Acq: 11 Dec 2018 15:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4182
Ion Ratio Lower Upper
164 100
162 99.8 77.6 116.4
160 48.4 36.0 54.0

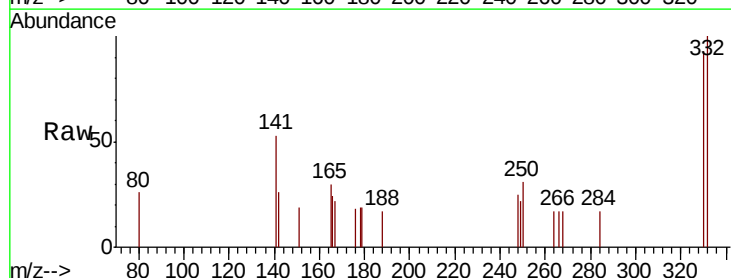


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

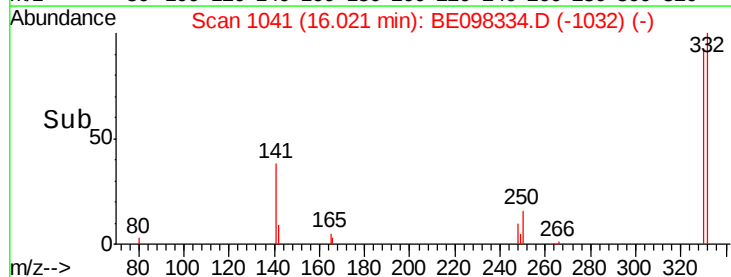
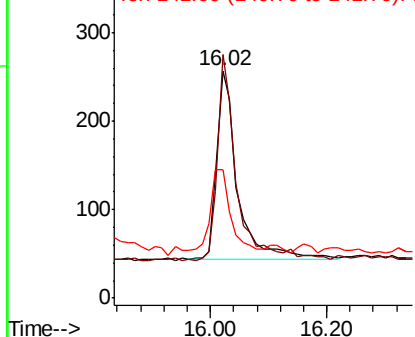


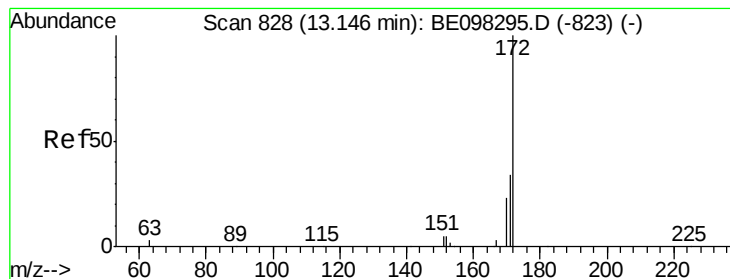
#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098334.D
Acq: 11 Dec 2018 15:50

Tgt Ion:330 Resp: 526
Ion Ratio Lower Upper
330 100
332 101.0 76.2 114.4
141 40.5 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: 0.397 ng

RT: 13.14 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

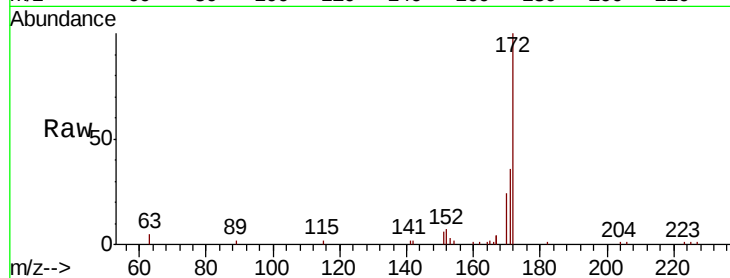
Tot Ion:172 Resp: 7011

Ion Ratio Lower Upper

172 100

171 35.7 27.5 41.3

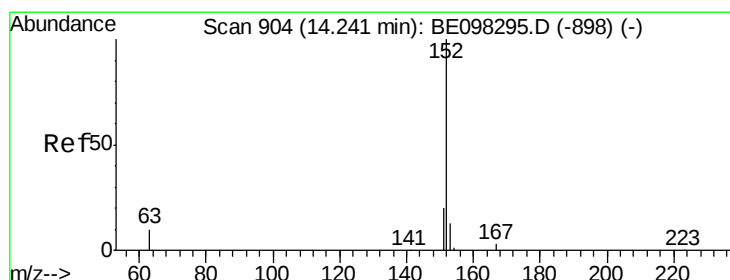
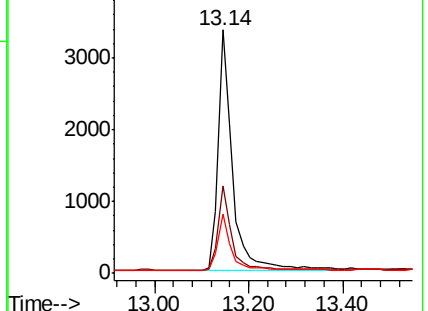
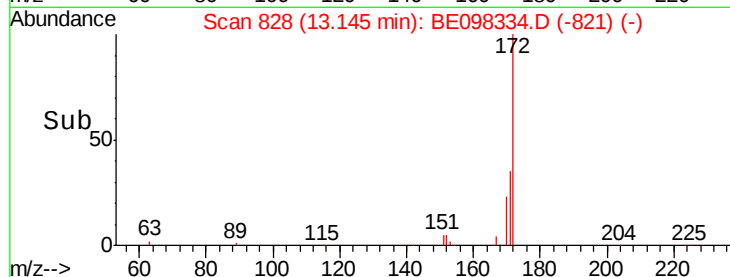
170 24.2 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.398 ng

RT: 14.24 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

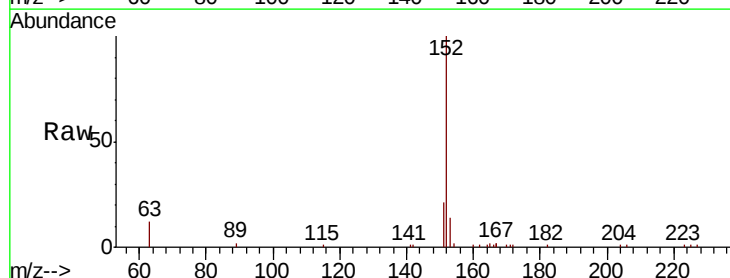
Tgt Ion:152 Resp: 7791

Ion Ratio Lower Upper

152 100

151 19.3 15.5 23.3

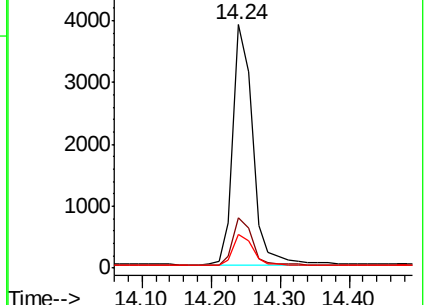
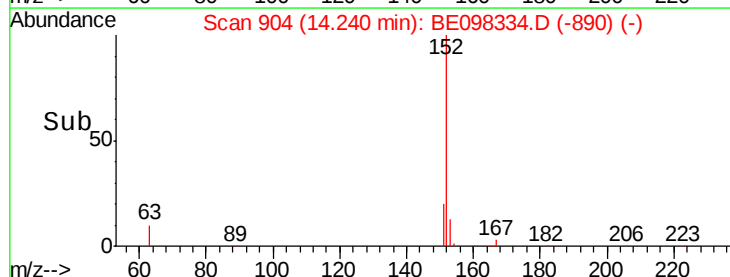
153 12.7 10.6 16.0



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: 0.397 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

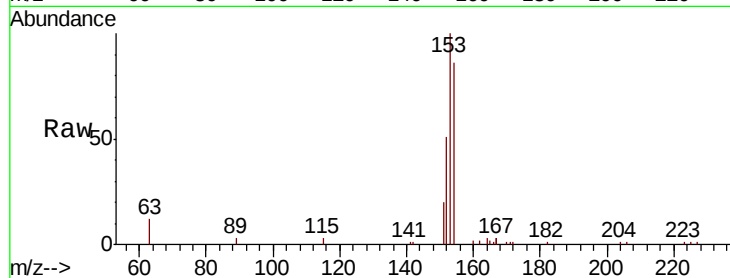
Tot Ion:154 Resp: 4674

Ion Ratio Lower Upper

154 100

153 115.7 91.8 137.6

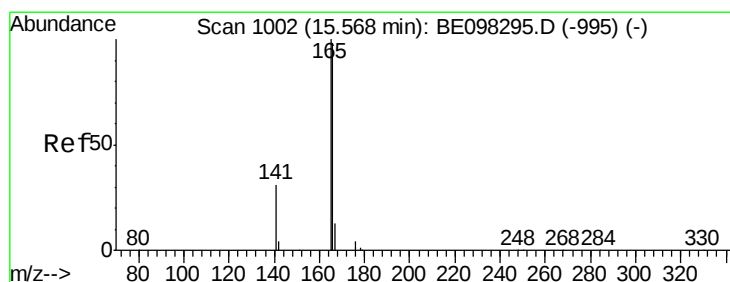
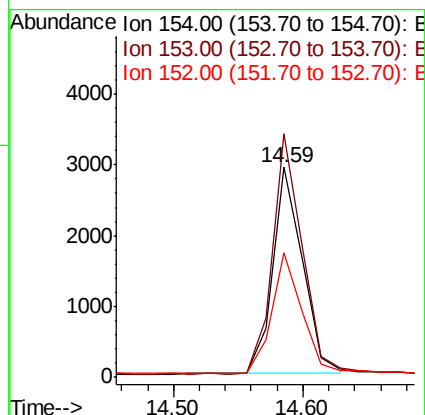
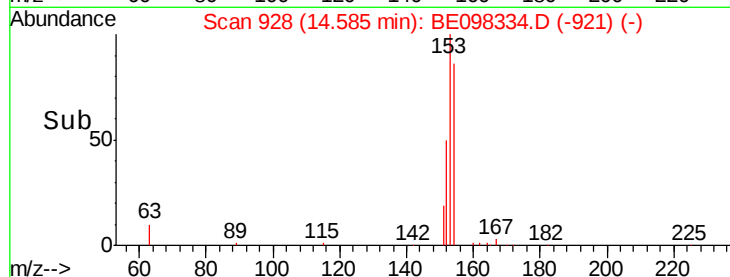
152 59.0 45.5 68.3



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: 0.377 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

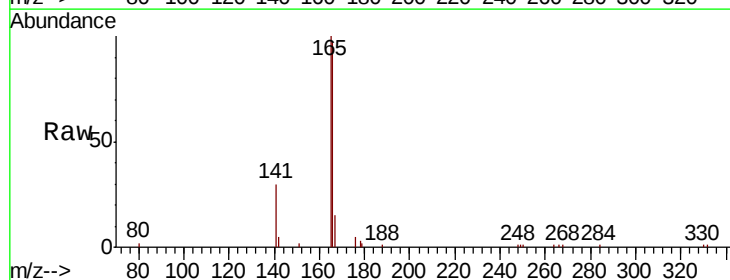
Tgt Ion:166 Resp: 5940

Ion Ratio Lower Upper

166 100

165 100.3 79.3 118.9

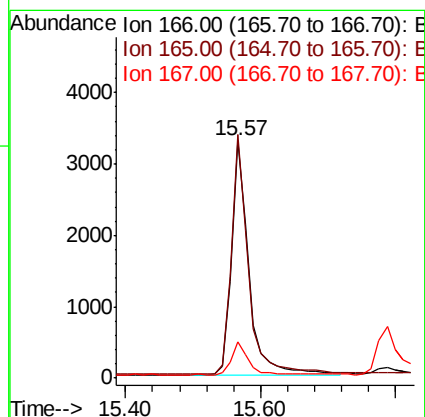
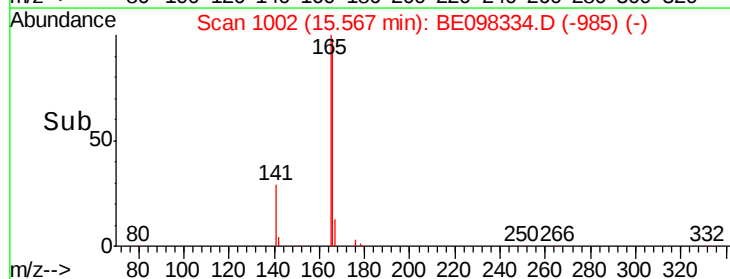
167 13.9 11.3 16.9



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: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

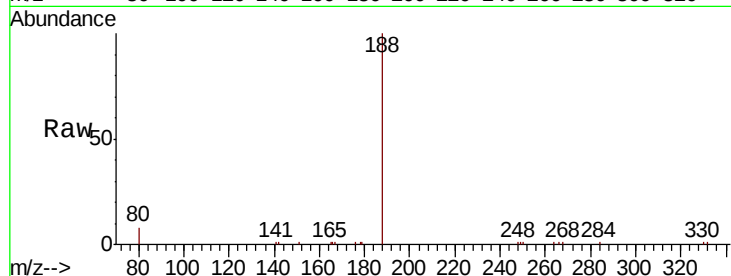
Tot Ion:188 Resp: 10800

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

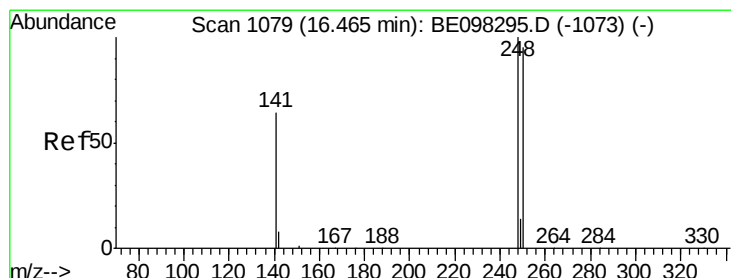
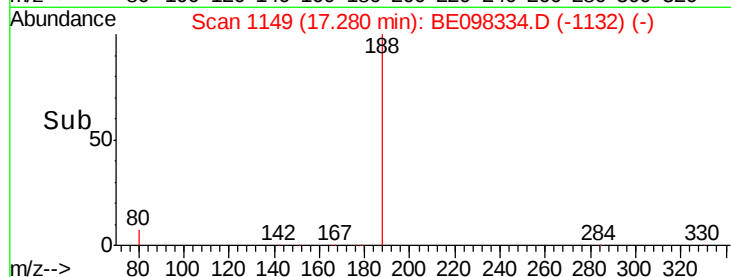
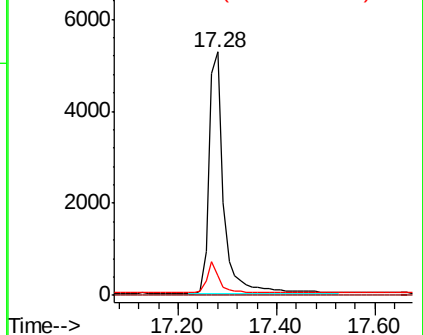
80 7.8 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.376 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

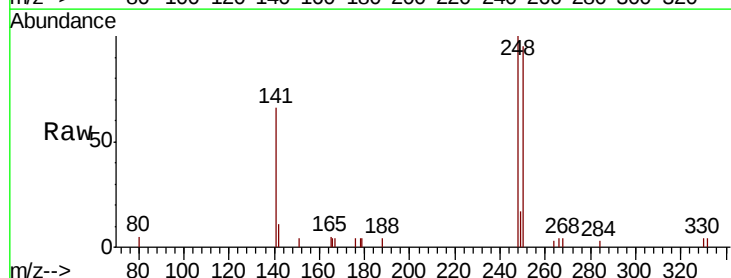
Tgt Ion:248 Resp: 2185

Ion Ratio Lower Upper

248 100

250 94.7 71.0 106.6

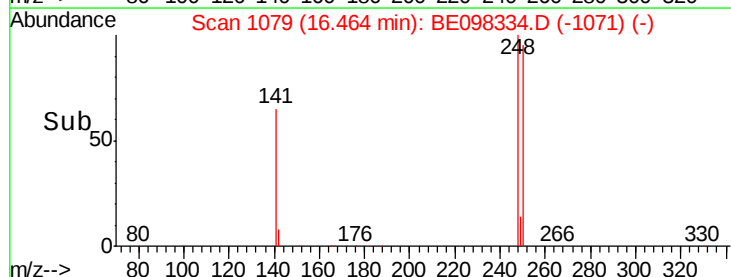
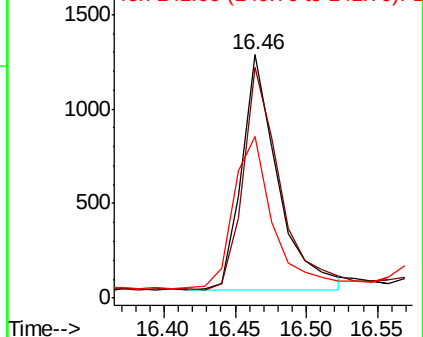
141 66.4 62.1 93.1



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: 0.401 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

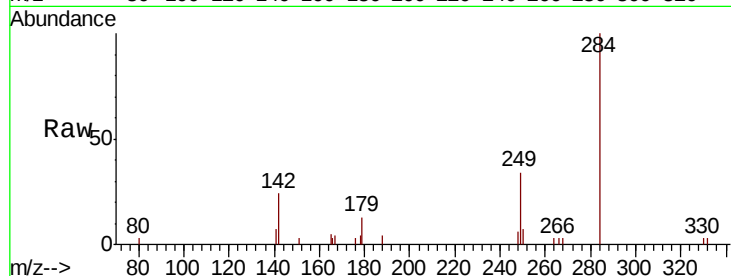
Tot Ion:284 Resp: 2509

Ion Ratio Lower Upper

284 100

142 34.2 26.3 39.5

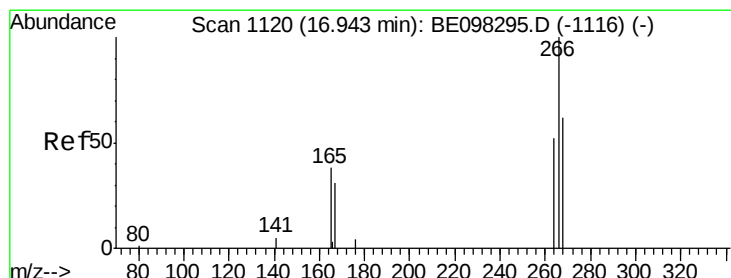
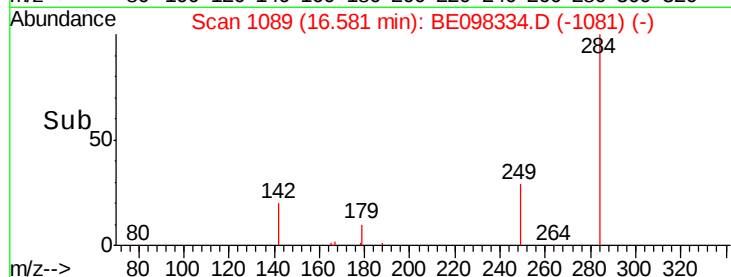
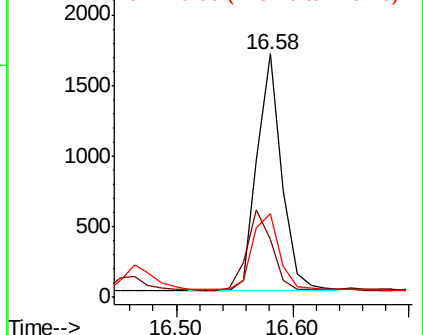
249 34.6 26.0 39.0



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: 0.343 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

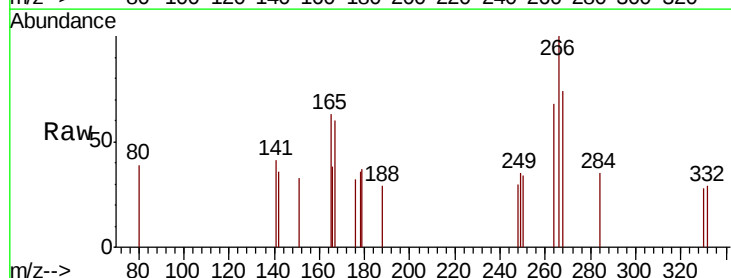
Tgt Ion:266 Resp: 336

Ion Ratio Lower Upper

266 100

264 67.8 59.0 88.4

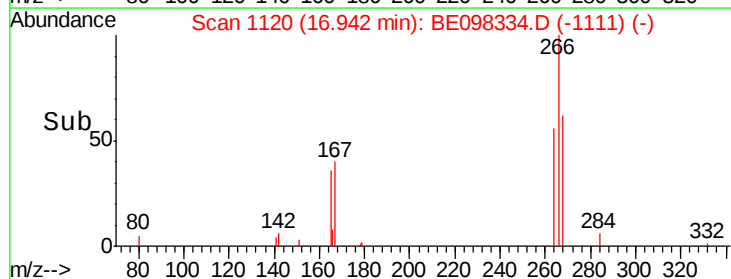
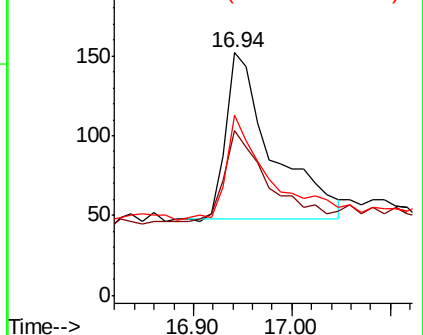
268 74.3 55.1 82.7



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

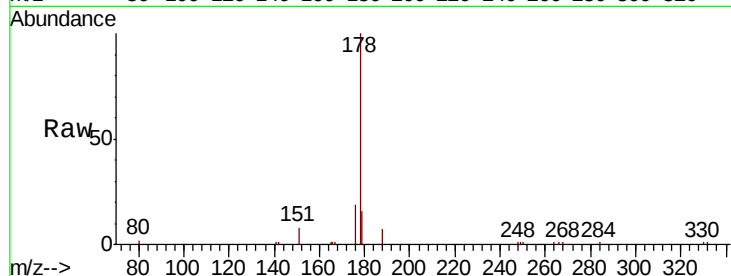




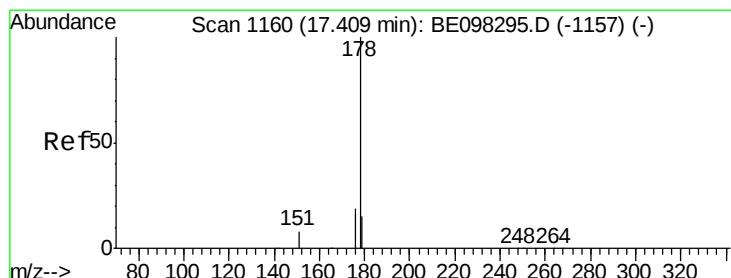
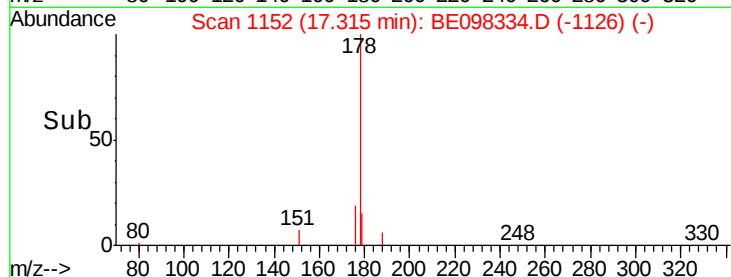
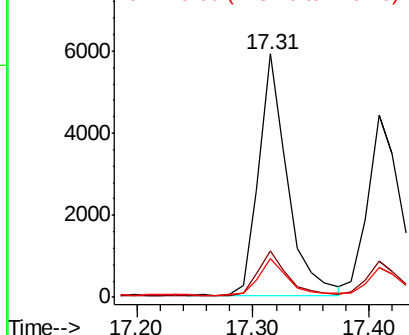
#23
Phenanthrene
Concen: 0.385 ng
RT: 17.31 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098334.D
Acq: 11 Dec 2018 15:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.1	12.3	18.5

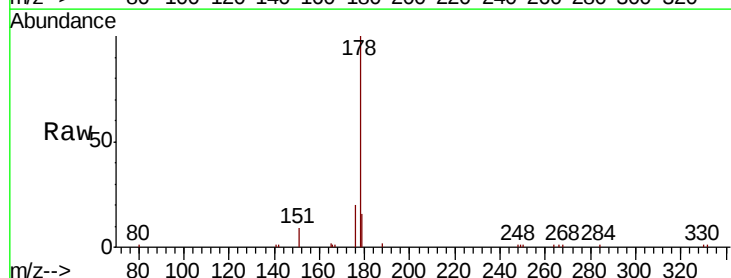


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

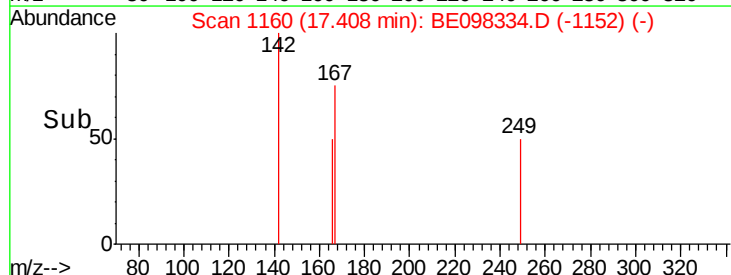
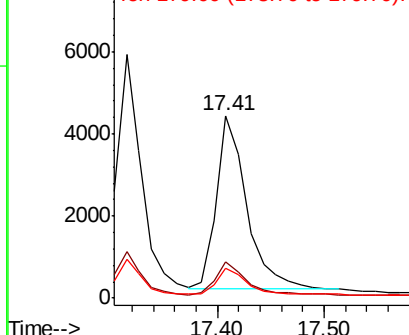


#24
Anthracene
Concen: 0.356 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098334.D
Acq: 11 Dec 2018 15:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	14.4	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





#25

Fluoranthene-d10

Concen: 0.383 ng

RT: 19.31 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

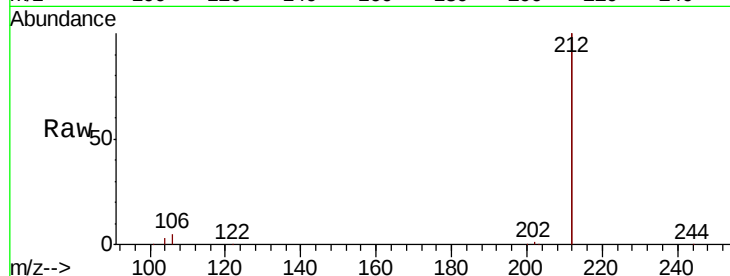
Tot Ion:212 Resp: 53047

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

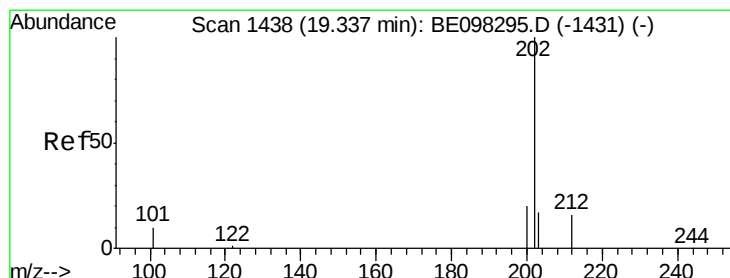
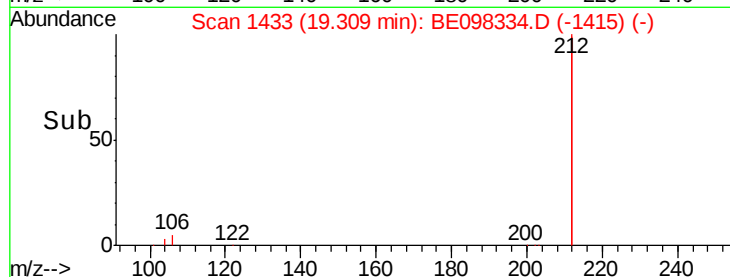
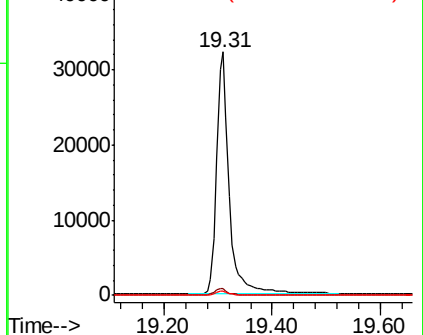
104 1.6 1.3 1.9



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: 0.383 ng

RT: 19.34 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

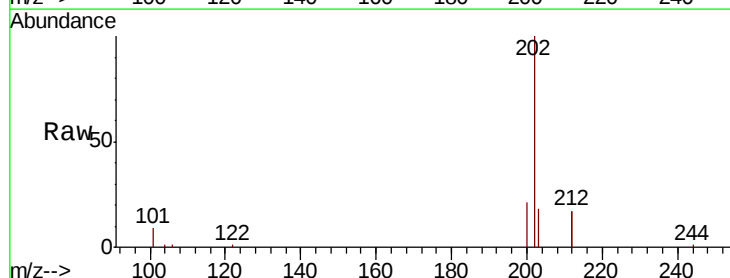
Tgt Ion:202 Resp: 13293

Ion Ratio Lower Upper

202 100

101 9.5 8.0 12.0

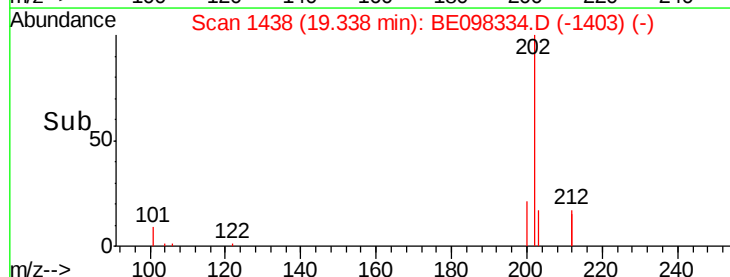
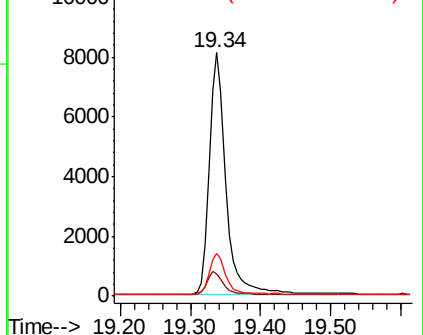
203 17.1 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

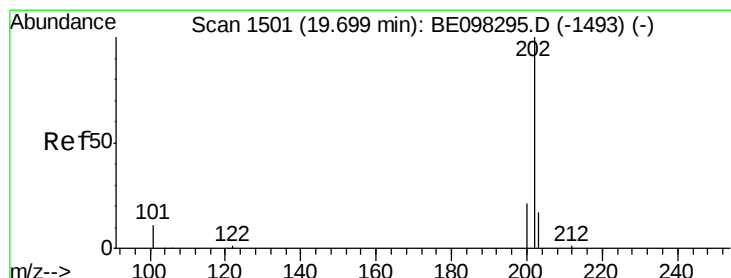
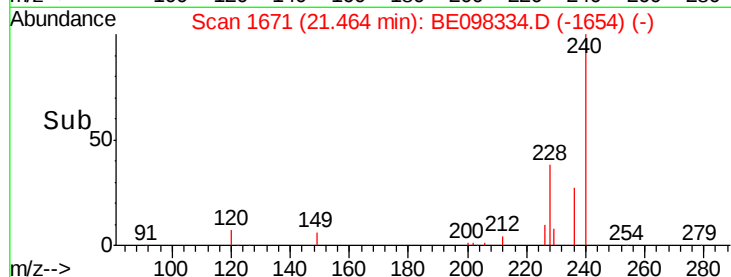
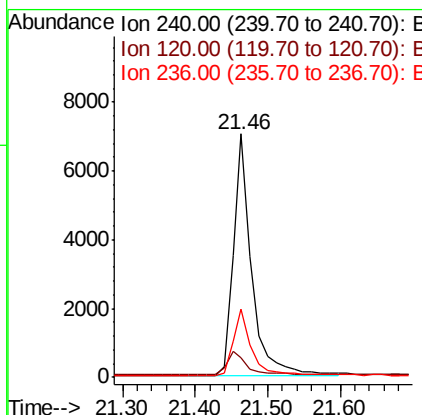
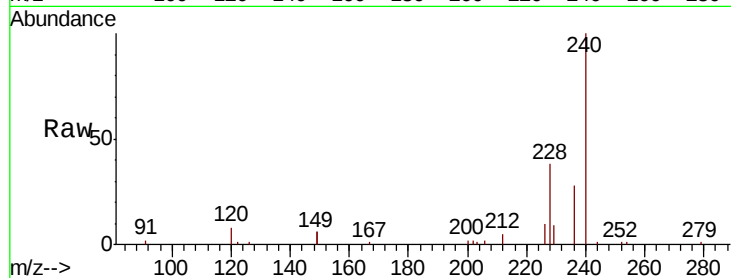




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.46 min Scan# 1671
 Delta R.T. 0.00 min
 Lab File: BE098334.D
 Acq: 11 Dec 2018 15:50

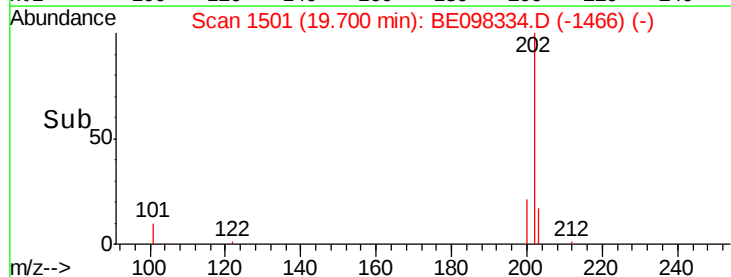
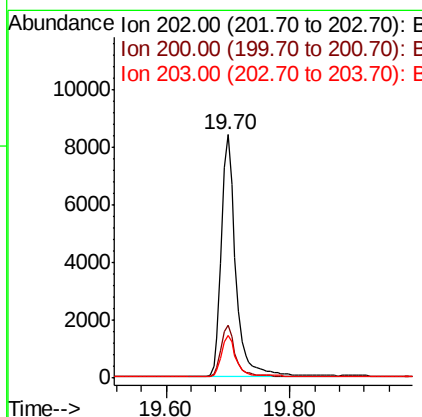
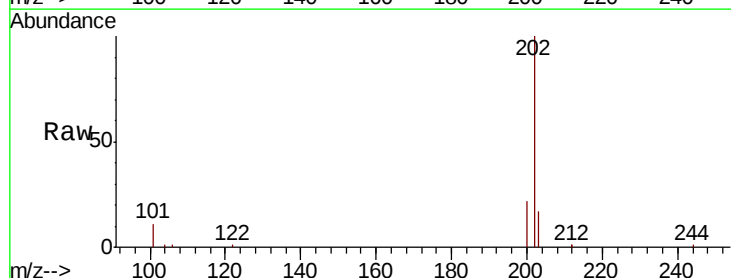
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 12505
 Ion Ratio Lower Upper
 240 100
 120 8.2 9.5 14.3#
 236 27.9 22.7 34.1



#28
 Pyrene
 Concen: 0.347 ng
 RT: 19.70 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: BE098334.D
 Acq: 11 Dec 2018 15:50

Tgt Ion:202 Resp: 13627
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.7 25.1
 203 17.3 14.1 21.1





#29

Terphenyl-d14

Concen: 0.329 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

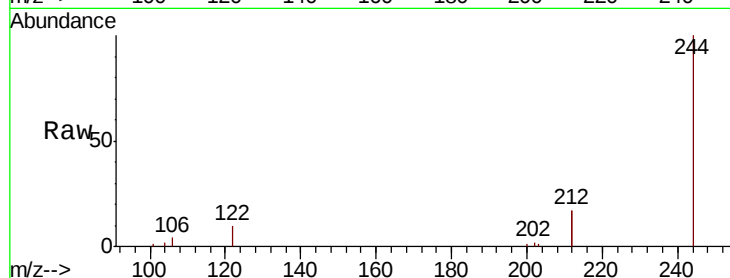
Tot Ion:244 Resp: 9993

Ion Ratio Lower Upper

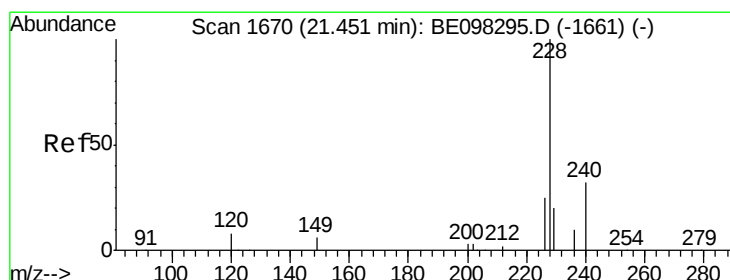
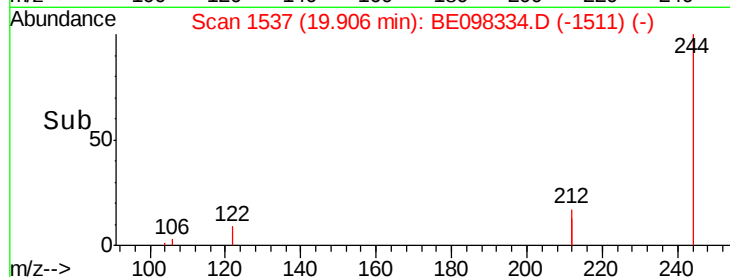
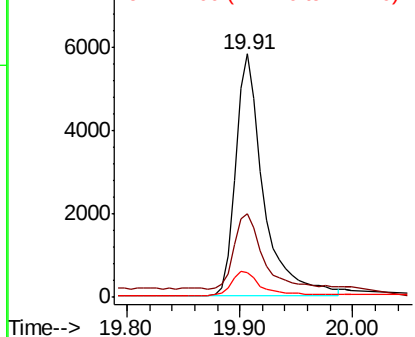
244 100

212 34.3 27.4 41.0

122 10.2 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: 0.366 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

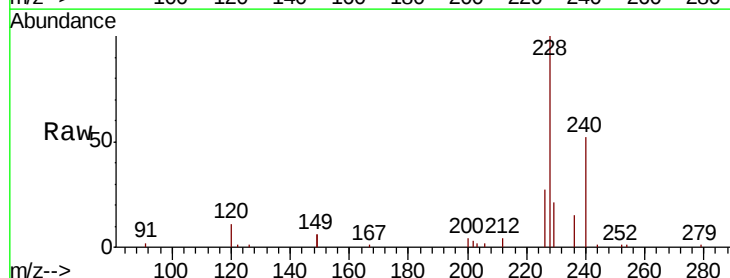
Tgt Ion:228 Resp: 13035

Ion Ratio Lower Upper

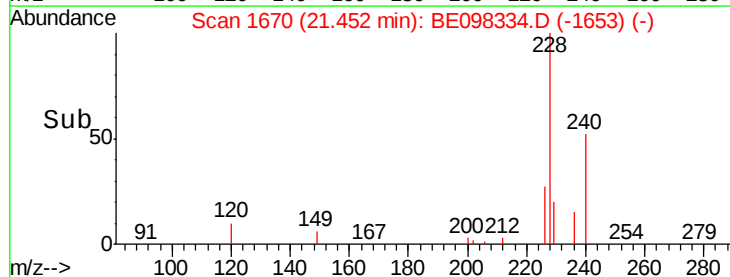
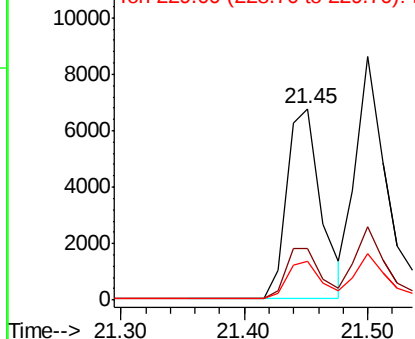
228 100

226 27.2 21.8 32.8

229 20.6 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

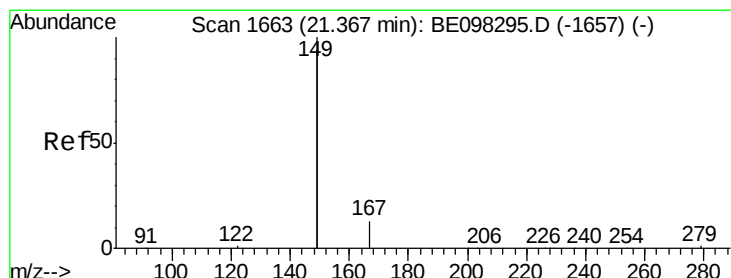
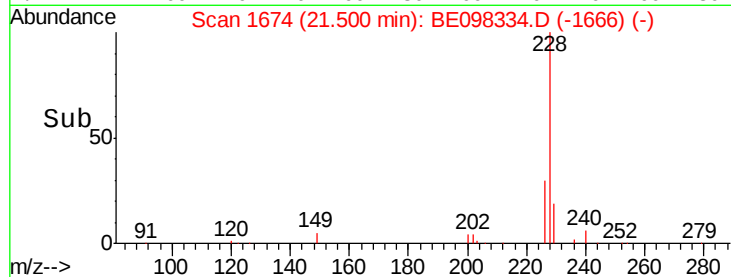
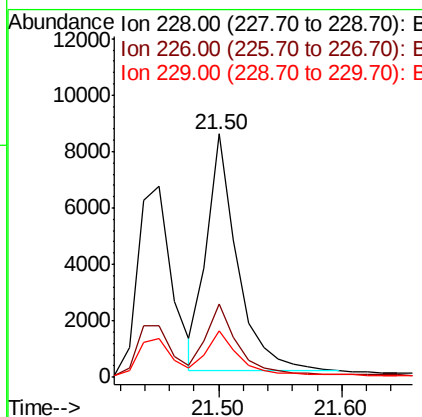
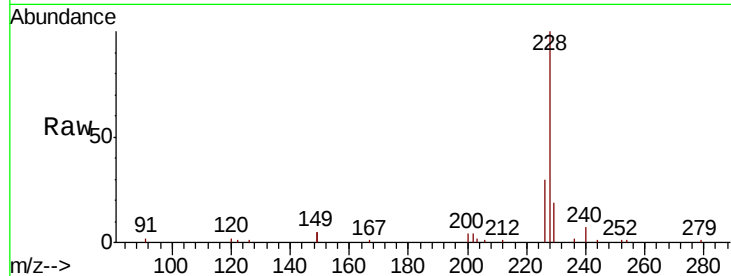




#31
 Chrvsene
 Concen: 0.388 ng
 RT: 21.50 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: BE098334.D
 Acq: 11 Dec 2018 15:50

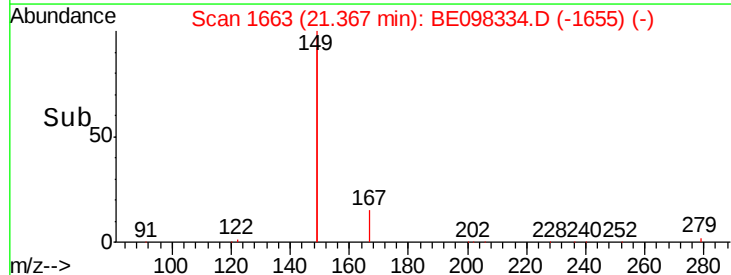
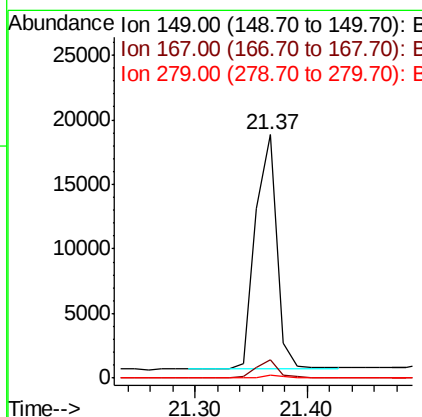
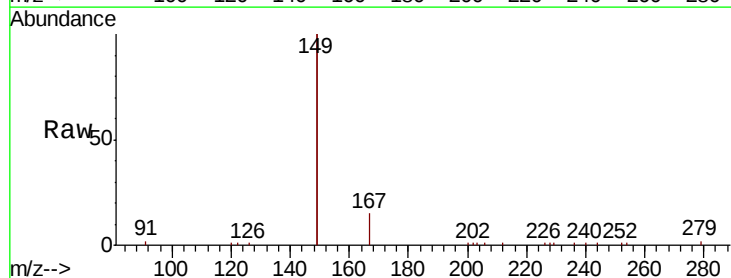
Instrument :
 BNA_E
 ClientSampled :

Tot Ion:228 Resp: 14490
 Ion Ratio Lower Upper
 228 100
 226 30.1 23.4 35.0
 229 19.3 16.2 24.4



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.337 ng
 RT: 21.37 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: BE098334.D
 Acq: 11 Dec 2018 15:50

Tgt Ion:149 Resp: 24390
 Ion Ratio Lower Upper
 149 100
 167 7.1 5.7 8.5
 279 1.1 1.0 1.4

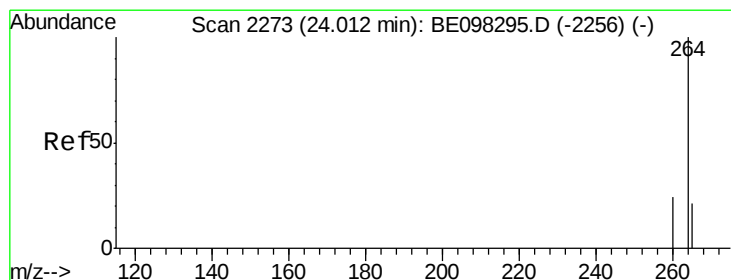
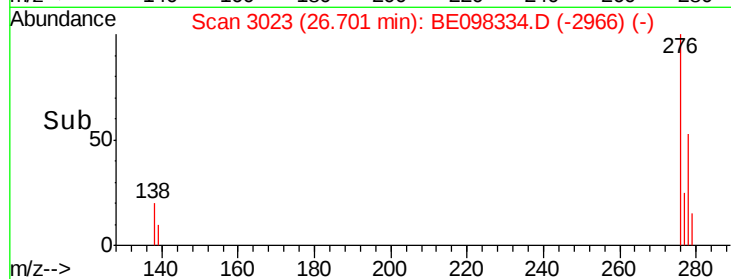
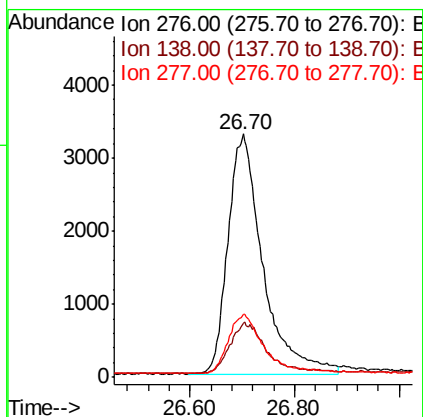
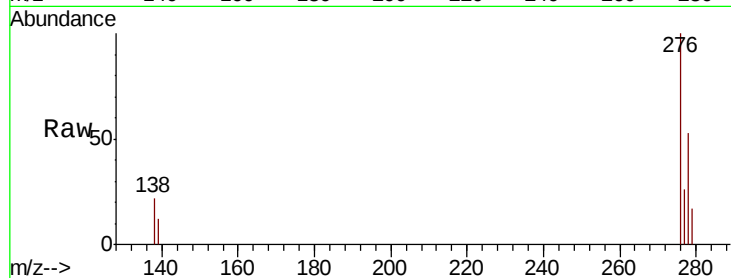




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.409 ng
 RT: 26.70 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: BE098334.D
 Acq: 11 Dec 2018 15:50

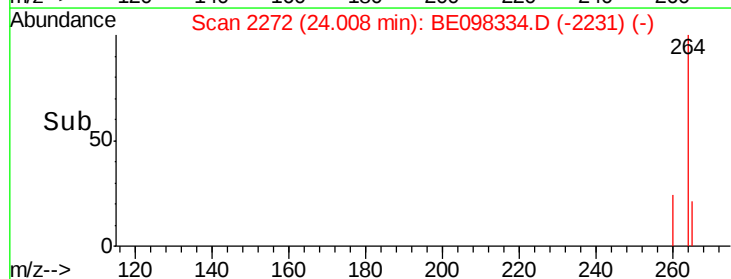
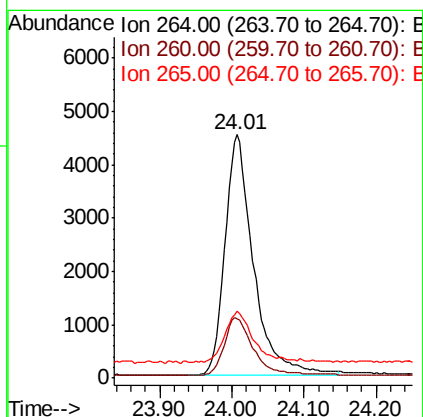
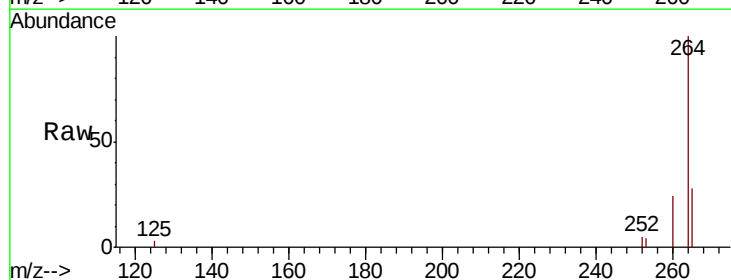
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 15194
 Ion Ratio Lower Upper
 276 100
 138 21.0 16.3 24.5
 277 25.3 20.2 30.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: BE098334.D
 Acq: 11 Dec 2018 15:50

Tgt Ion:264 Resp: 12175
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.2 30.2
 265 27.6 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.389 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

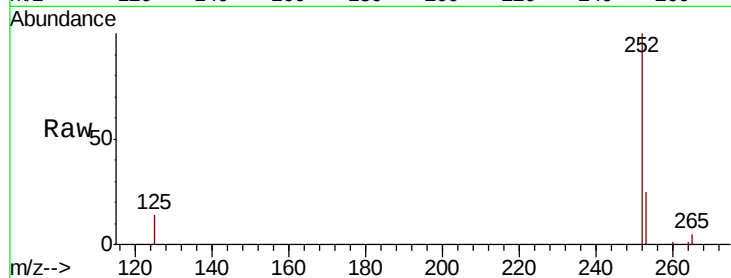
Tot Ion:252 Resp: 12949

Ion Ratio Lower Upper

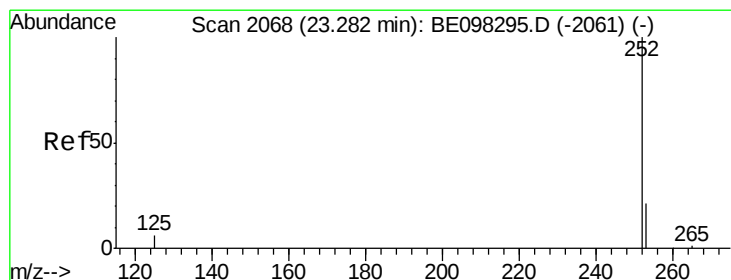
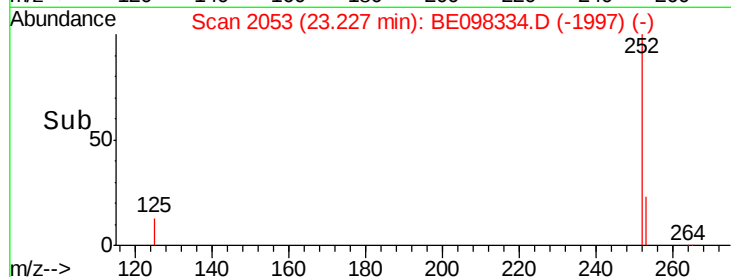
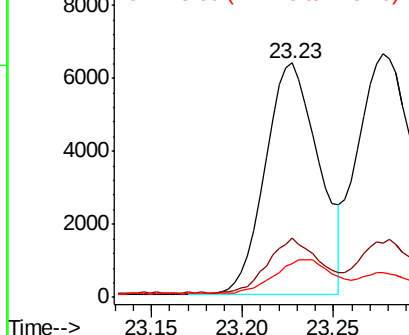
252 100

253 25.0 20.0 30.0

125 14.2 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: 0.415 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

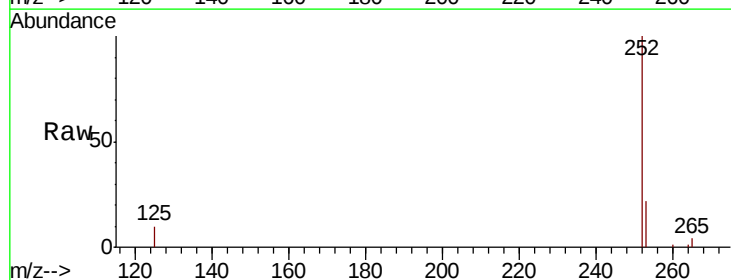
Tgt Ion:252 Resp: 16094

Ion Ratio Lower Upper

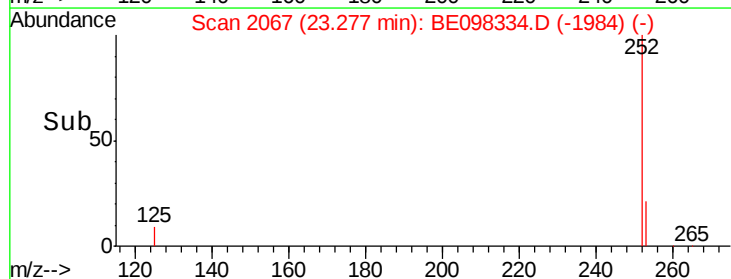
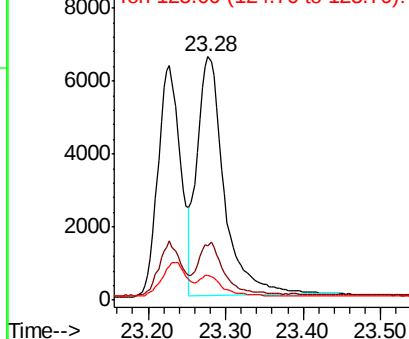
252 100

253 22.3 19.0 28.6

125 9.9 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: 0.397 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :

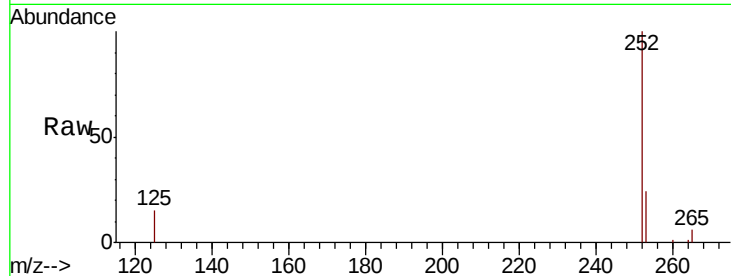
Tot Ion:252 Resp: 13649

Ion Ratio Lower Upper

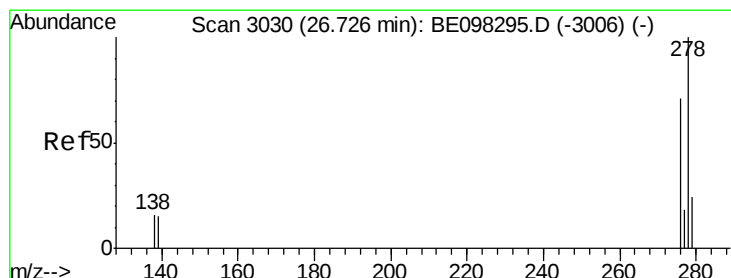
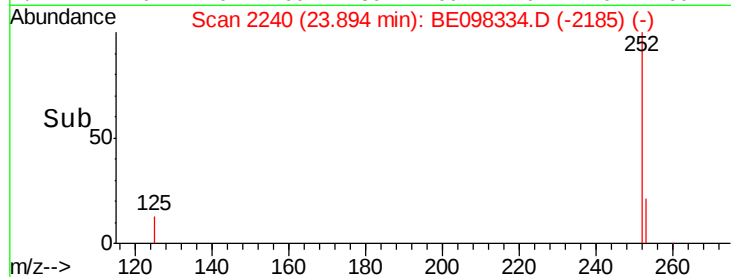
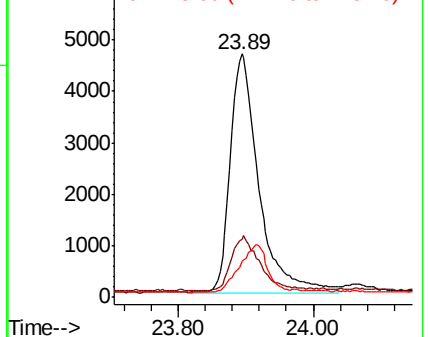
252 100

253 23.8 20.6 30.8

125 14.7 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: 0.377 ng

RT: 26.73 min Scan# 3030

Delta R.T. 0.00 min

Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

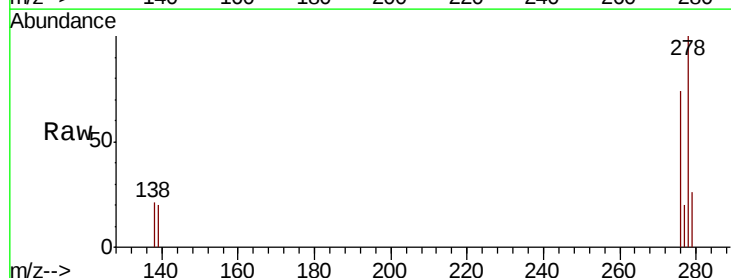
Tgt Ion:278 Resp: 12195

Ion Ratio Lower Upper

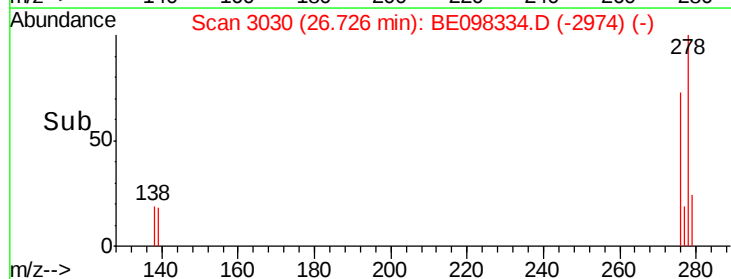
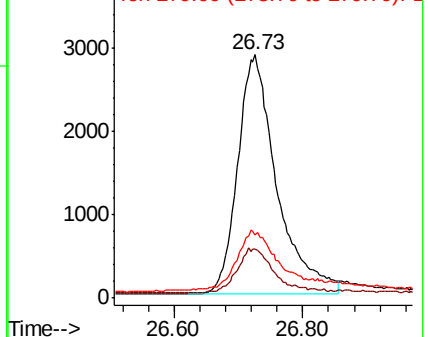
278 100

139 20.0 14.5 21.7

279 26.0 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: 0.388 ng

RT: 27.51 min Scan# 3251

Delta R.T. -0.01 min

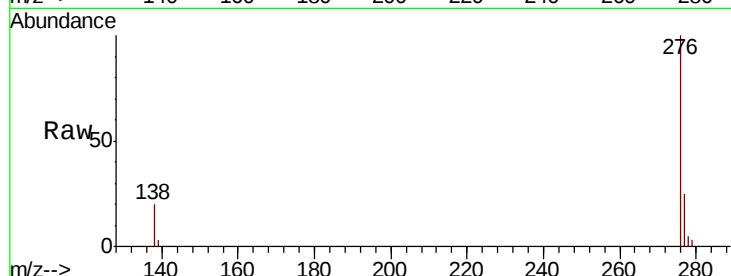
Lab File: BE098334.D

Acq: 11 Dec 2018 15:50

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 12640

Ion Ratio Lower Upper

276 100

277 25.0 20.8 31.2

138 20.2 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

