

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
 Data File : BE098324.D
 Acq On : 11 Dec 2018 8:04
 Operator : SJ/JU
 Sample : J6259-08MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 11 10:38:58 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	1155	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5000	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3138	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	8577	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	11110	0.40	ng	0.00
34) Perylene-d12	24.01	264	10488	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	480	0.18	ng	0.01
5) Phenol-d6	7.05	99	419	0.11	ng	0.00
8) Nitrobenzene-d5	9.03	82	1930	0.42	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	4424	0.54	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	574	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6506	0.49	ng	0.00
25) Fluoranthene-d10	19.31	212	51812	0.47	ng	0.00
29) Terphenyl-d14	19.90	244	12956	0.48	ng	0.00

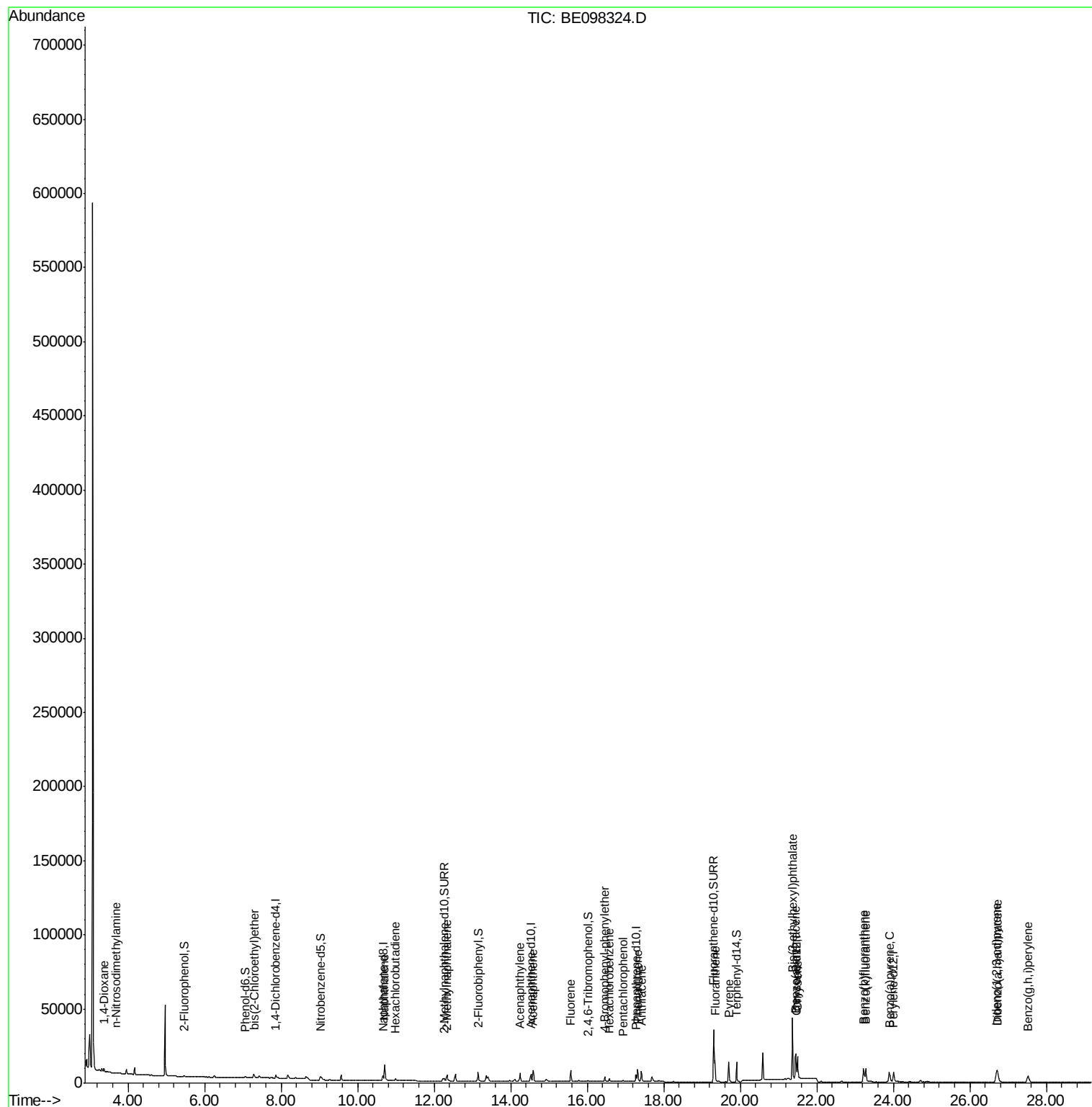
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	1371	0.686	ng	95
3) n-Nitrosodimethylamine	3.68	42	348	0.194	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1292	0.355	ng	91
9) Naphthalene	10.70	128	21679	0.431	ng	99
10) Hexachlorobutadiene	10.99	225	1207	0.377	ng	95
12) 2-Methylnaphthalene	12.34	142	3667	0.449	ng	98
16) Acenaphthylene	14.24	152	6503	0.442	ng	99
17) Acenaphthene	14.59	154	3675	0.416	ng	99
18) Fluorene	15.57	166	5119	0.433	ng	98
20) 4-Bromophenyl-phenylether	16.46	248	1838	0.398	ng	87
21) Hexachlorobenzene	16.58	284	1952	0.393	ng	100
22) Pentachlorophenol	16.94	266	740	0.812	ng	92
23) Phenanthrene	17.31	178	9495	0.456	ng	98
24) Anthracene	17.41	178	8355	0.450	ng	99
26) Fluoranthene	19.34	202	13360	0.484	ng	100
28) Pyrene	19.70	202	13883	0.398	ng	99
30) Benzo(a)anthracene	21.44	228	14637	0.463	ng	98
31) Chrysene	21.50	228	14284	0.431	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	46457	0.723	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	15074	0.457	ng	99
35) Benzo(b)fluoranthene	23.22	252	13086	0.456	ng	97
36) Benzo(k)fluoranthene	23.28	252	14964	0.448	ng	99
37) Benzo(a)pyrene	23.89	252	13578	0.459	ng	99
38) Dibenzo(a,h)anthracene	26.72	278	12532	0.450	ng	98
39) Benzo(g,h,i)perylene	27.52	276	12658	0.451	ng	99

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

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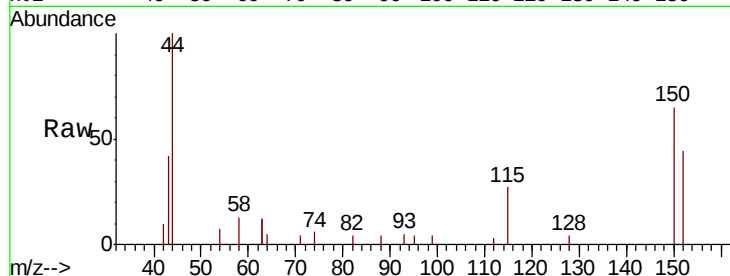


#1

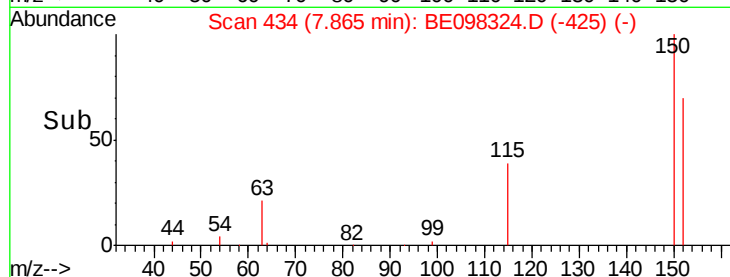
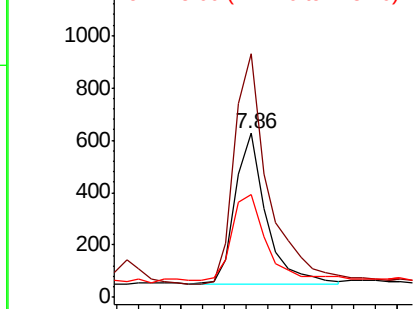
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1155
Ion Ratio Lower Upper
152 100
150 148.3 124.2 186.4
115 62.4 53.9 80.9



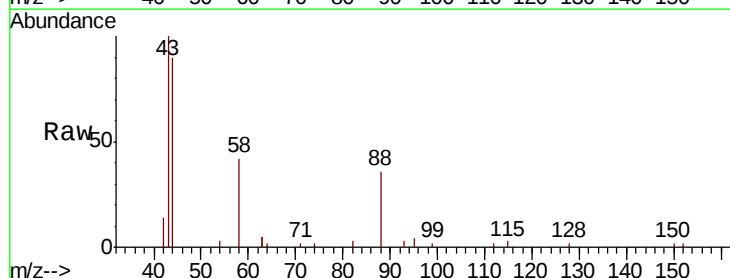
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



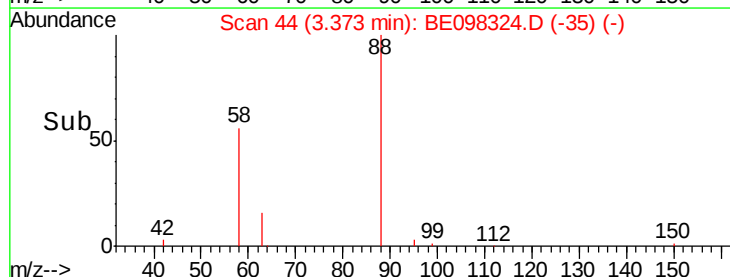
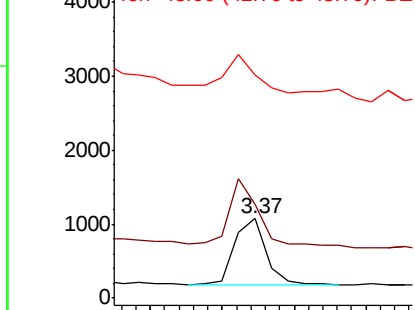
#2

1,4-Dioxane
Concen: 0.686 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion: 88 Resp: 1371
Ion Ratio Lower Upper
88 100
58 88.0 75.0 112.6
43 50.5 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: 0.194 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :

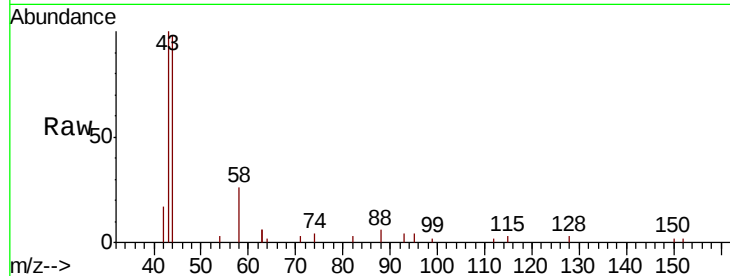
Tot Ion: 42 Resp: 348

Ion Ratio Lower Upper

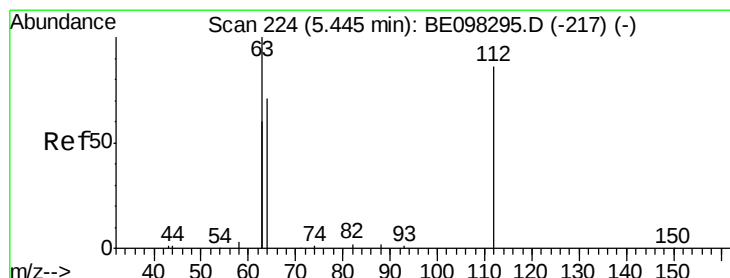
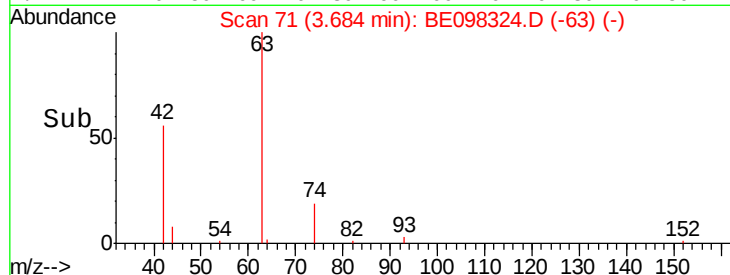
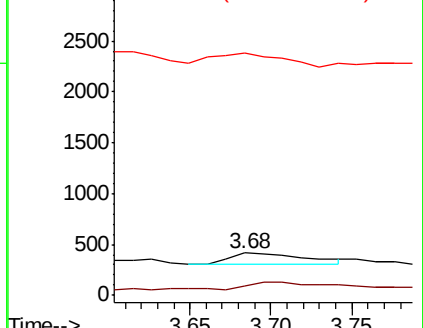
42 100

74 71.6 0.0 0.0#

44 111.5 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: 0.178 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

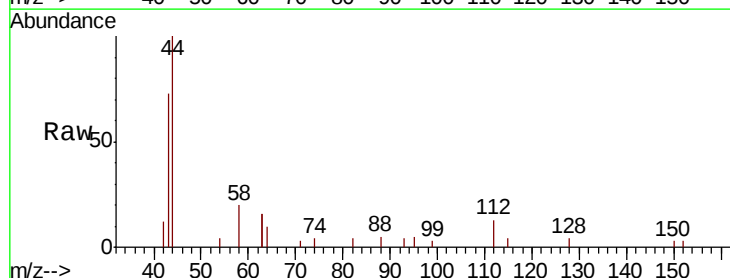
Tgt Ion: 112 Resp: 480

Ion Ratio Lower Upper

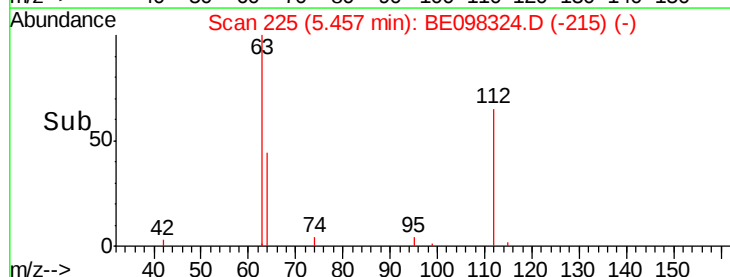
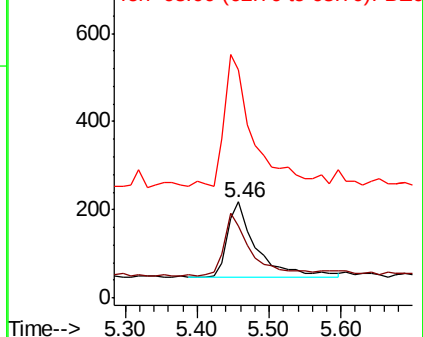
112 100

64 79.0 59.8 89.8

63 172.5 133.7 200.5



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: 0.109 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :

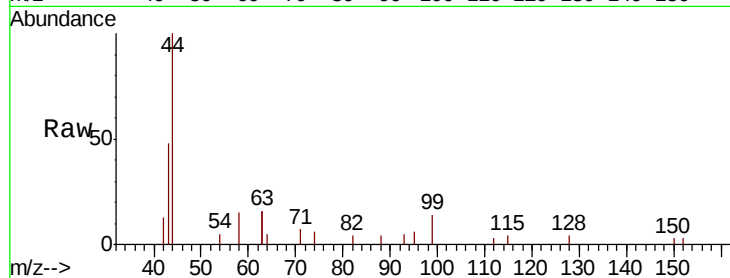
Tot Ion: 99 Resp: 419

Ion Ratio Lower Upper

99 100

42 49.9 26.3 39.5#

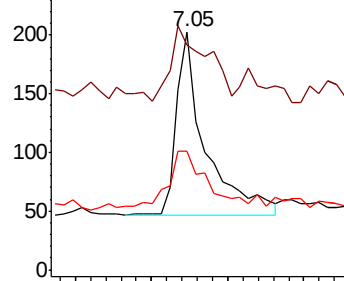
71 37.9 33.6 50.4



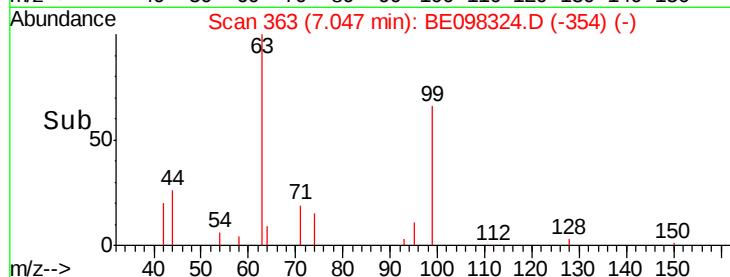
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.355 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

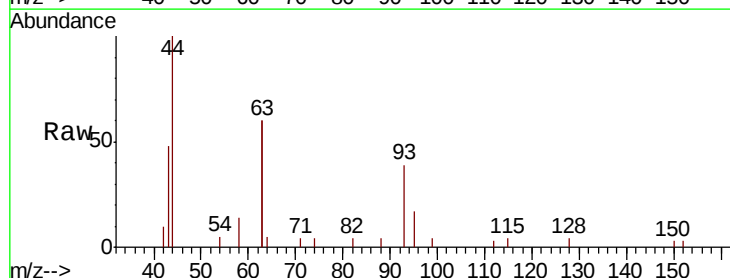
Tgt Ion: 93 Resp: 1292

Ion Ratio Lower Upper

93 100

63 351.0 264.4 396.6

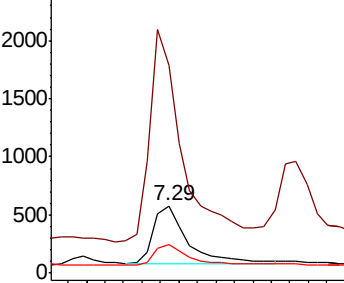
95 35.9 26.6 40.0



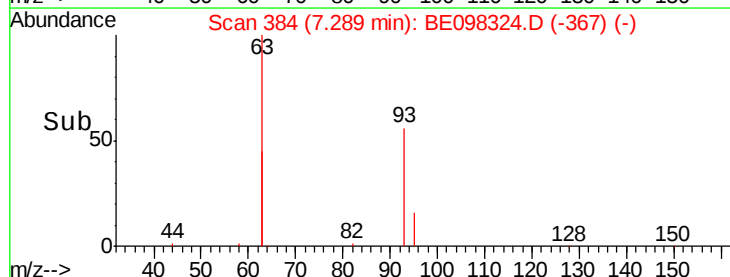
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5000

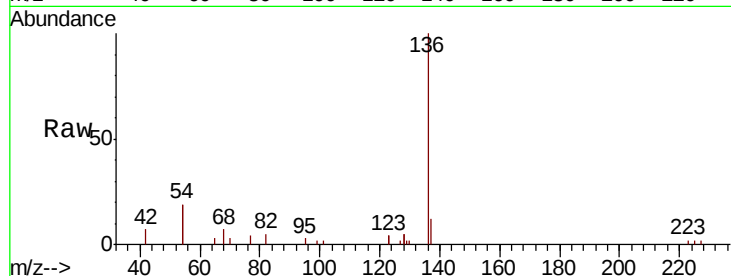
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 38.8 28.4 42.6

68 6.6 5.4 8.0

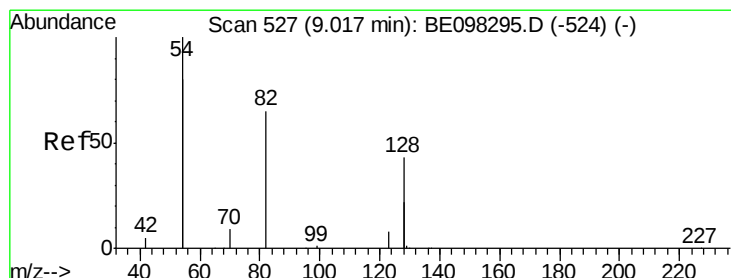
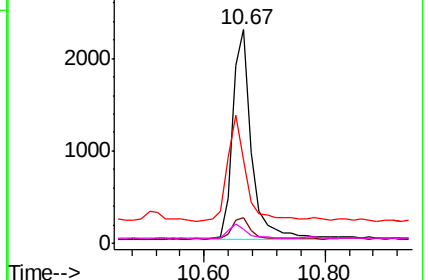
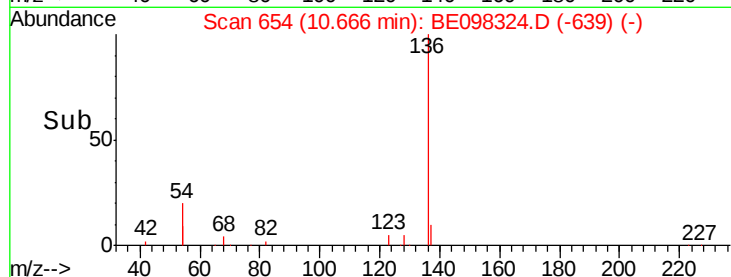


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.424 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

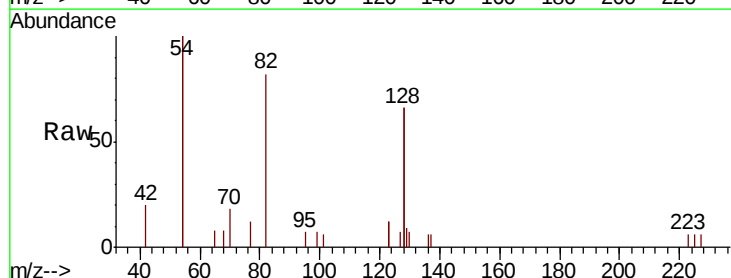
Tgt Ion: 82 Resp: 1930

Ion Ratio Lower Upper

82 100

128 159.7 102.4 153.6#

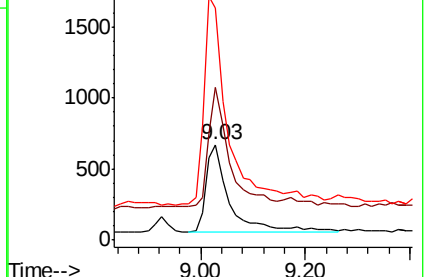
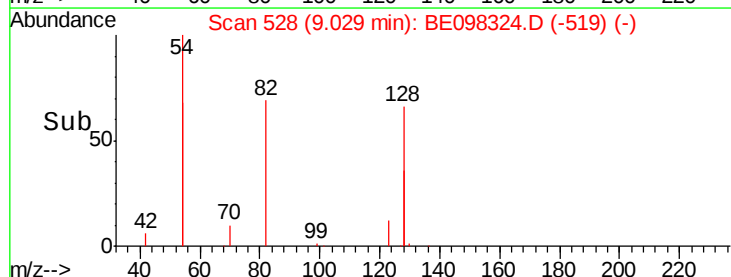
54 243.3 221.8 332.8

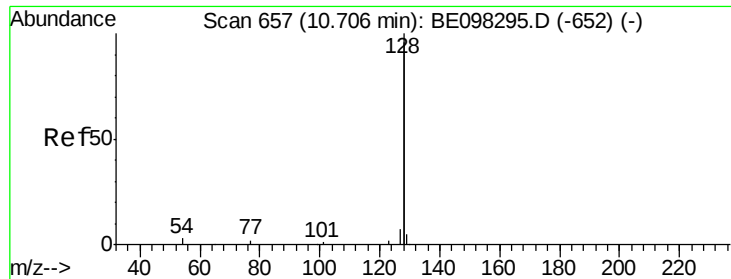


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.431 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampled :

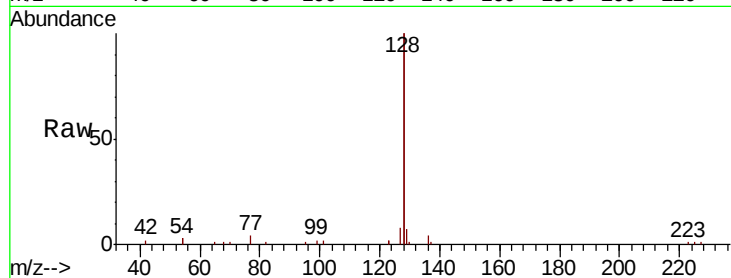
Tot Ion:128 Resp: 21679

Ion Ratio Lower Upper

128 100

129 3.3 2.5 3.7

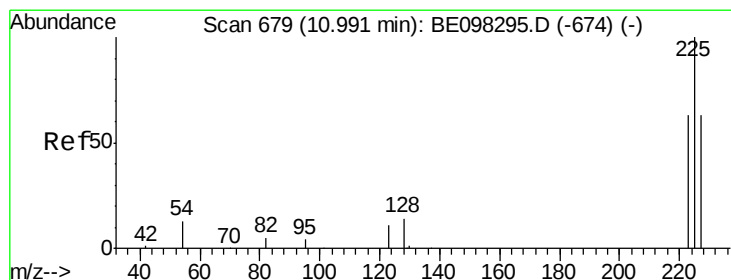
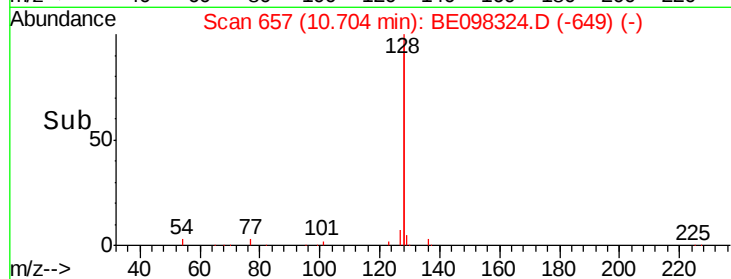
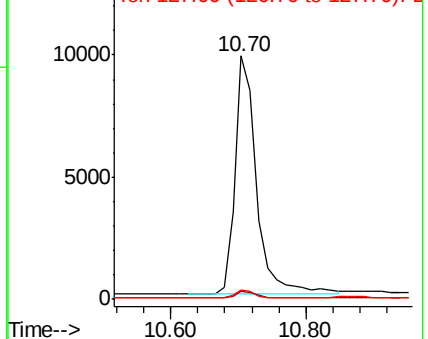
127 3.8 2.7 4.1



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: 0.377 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

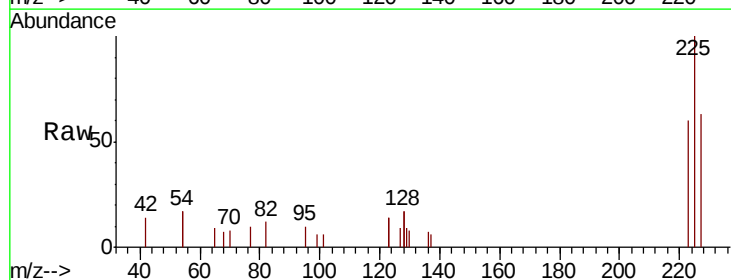
Tgt Ion:225 Resp: 1207

Ion Ratio Lower Upper

225 100

223 57.5 49.4 74.0

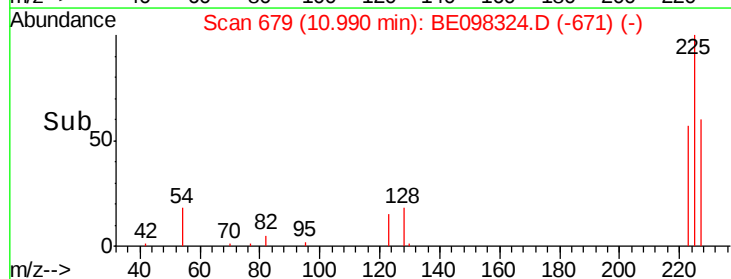
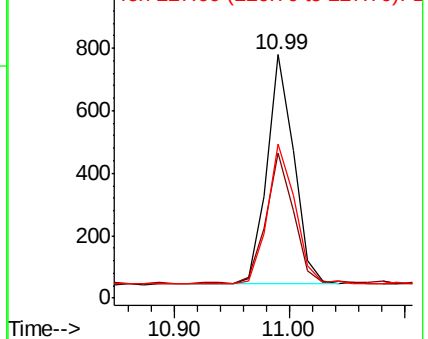
227 61.6 52.0 78.0

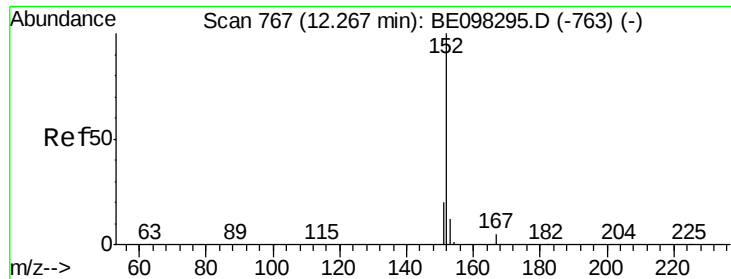


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

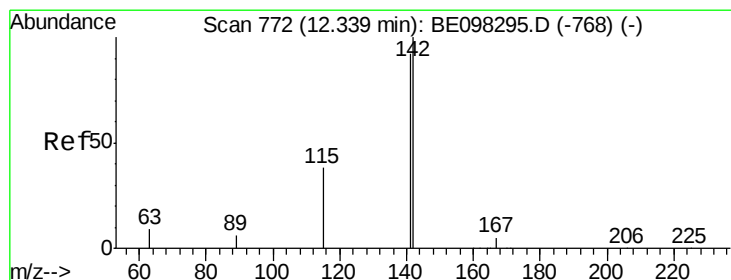
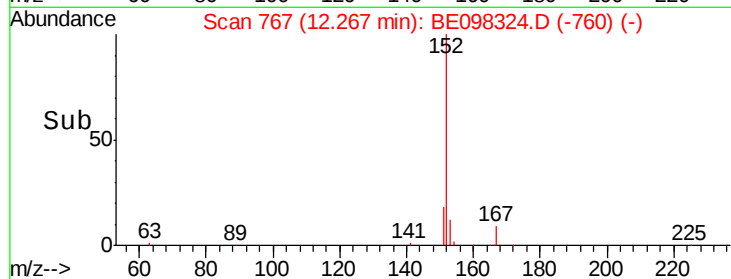
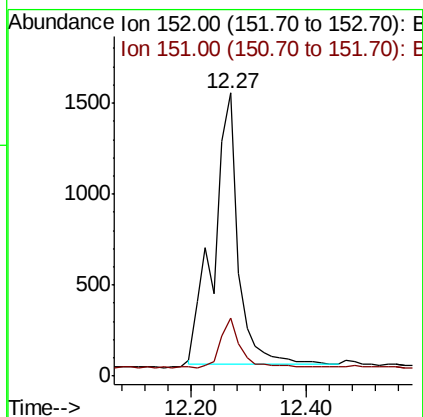
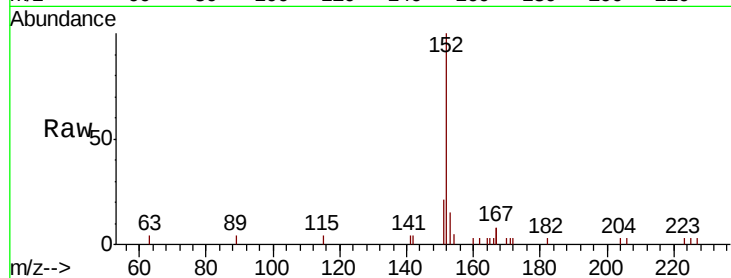




#11
 2-Methylnaphthalene-d10
 Concen: 0.544 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE098324.D
 Acq: 11 Dec 2018 8:04

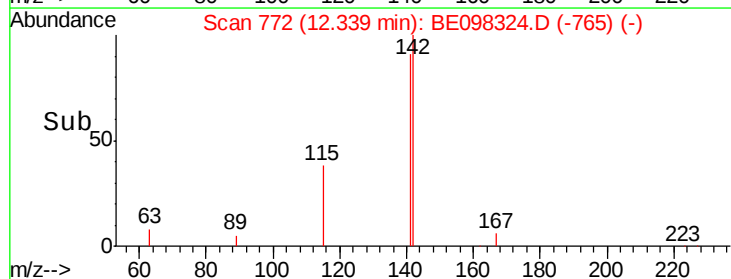
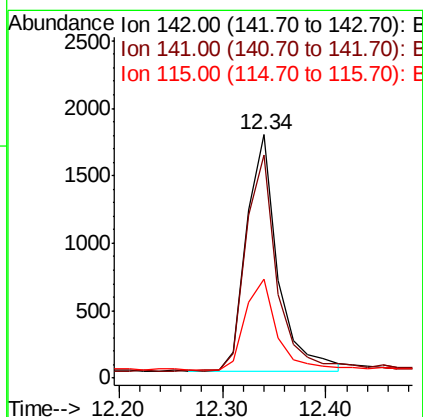
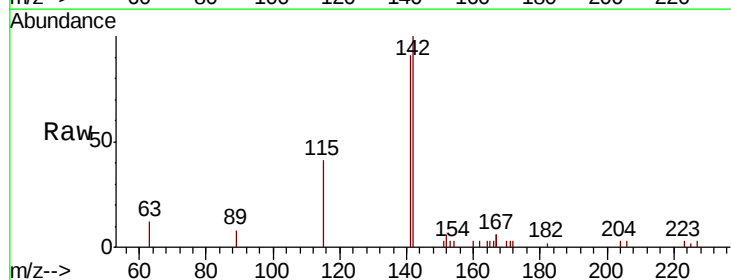
Instrument :
 BNA_E
 ClientSampleId :

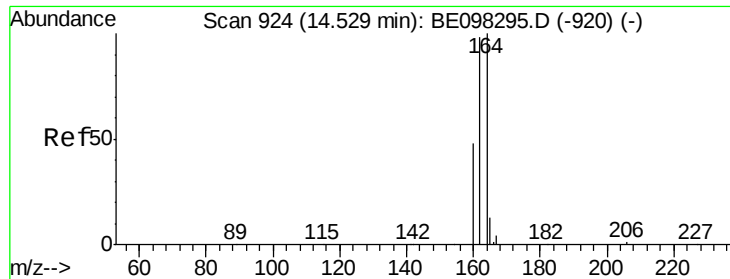
Tot Ion:152 Resp: 4424
 Ion Ratio Lower Upper
 152 100
 151 14.4 16.2 24.4#



#12
 2-Methylnaphthalene
 Concen: 0.449 ng
 RT: 12.34 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BE098324.D
 Acq: 11 Dec 2018 8:04

Tgt Ion:142 Resp: 3667
 Ion Ratio Lower Upper
 142 100
 141 91.4 71.0 106.6
 115 40.7 32.2 48.2

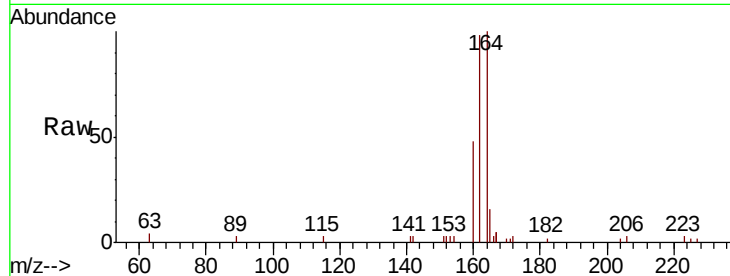




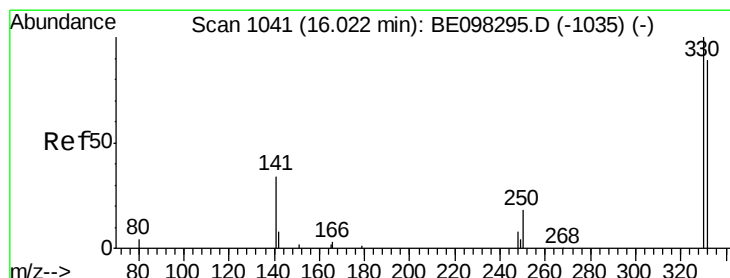
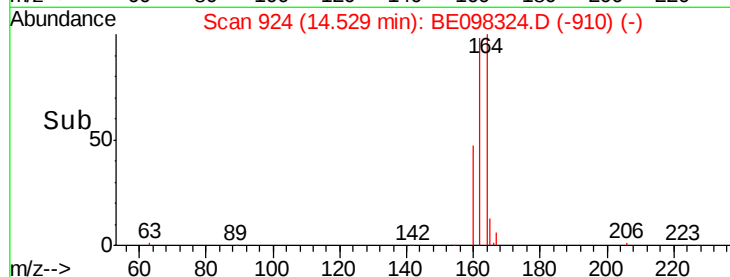
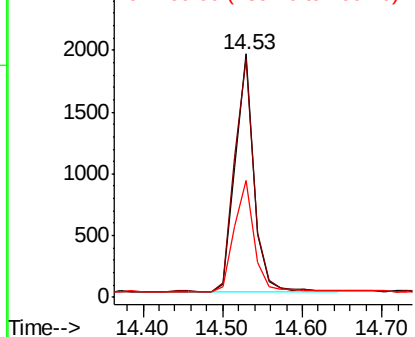
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampled :

Tot Ion:164 Resp: 3138
Ion Ratio Lower Upper
164 100
162 97.9 77.6 116.4
160 47.8 36.0 54.0

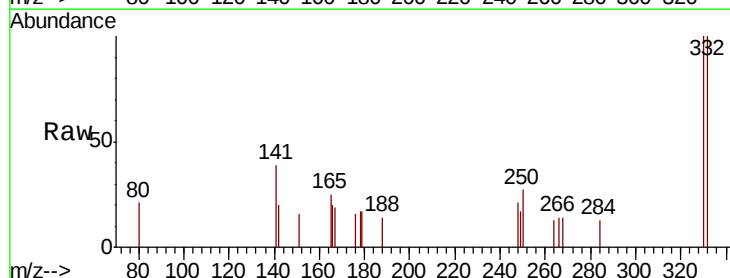


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

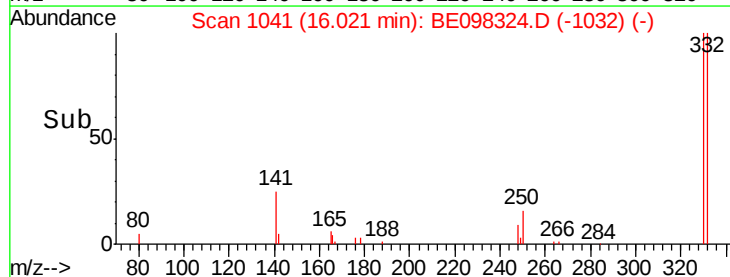
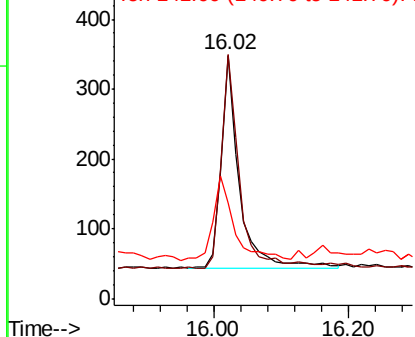


#14
2,4,6-Tribromophenol
Concen: 0.498 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:330 Resp: 574
Ion Ratio Lower Upper
330 100
332 101.7 76.2 114.4
141 45.6 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

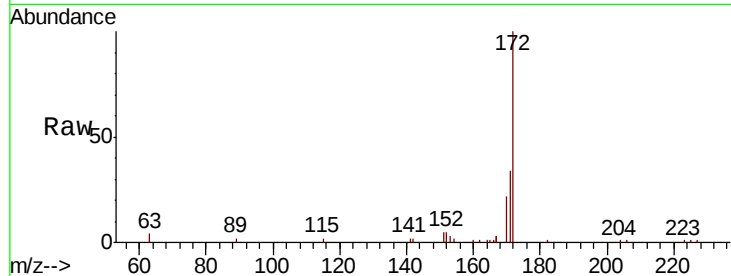




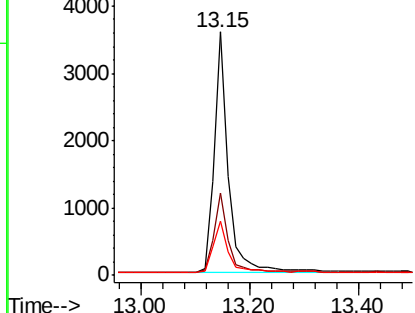
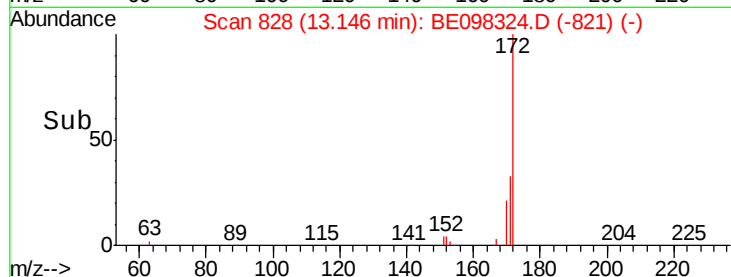
#15
2-Fluorobiphenyl
Concen: 0.492 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 6506
Ion Ratio Lower Upper
172 100
171 33.7 27.5 41.3
170 22.2 19.6 29.4

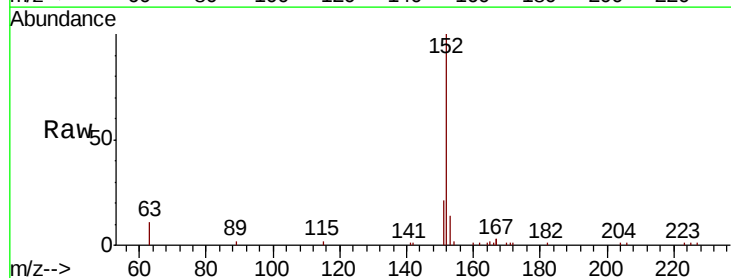


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

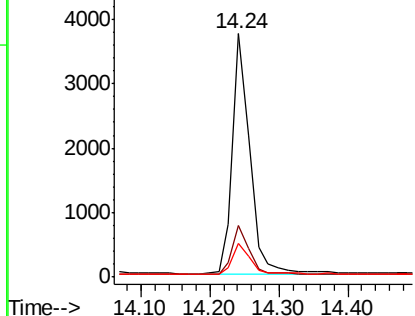
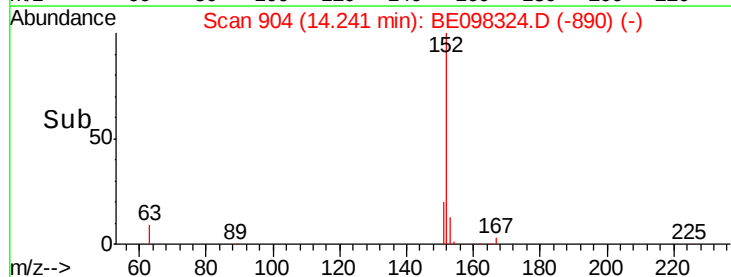


#16
Acenaphthylene
Concen: 0.442 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:152 Resp: 6503
Ion Ratio Lower Upper
152 100
151 19.7 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: 0.416 ng

RT: 14.59 min Scan# 928

Delta R.T. 0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :

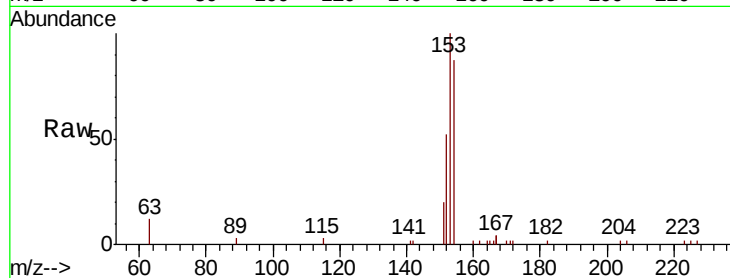
Tot Ion:154 Resp: 3675

Ion Ratio Lower Upper

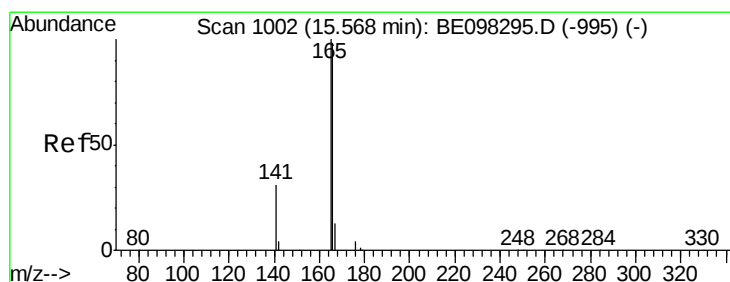
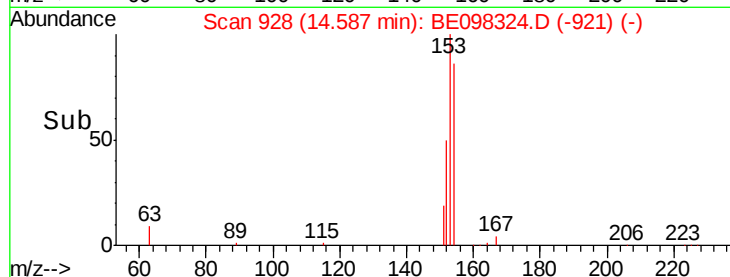
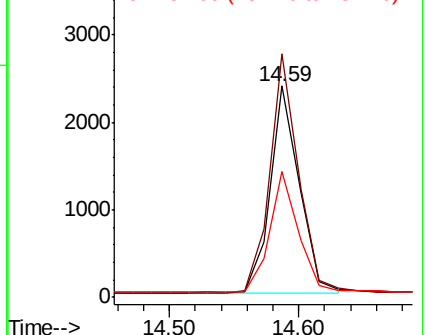
154 100

153 114.8 91.8 137.6

152 58.3 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: 0.433 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

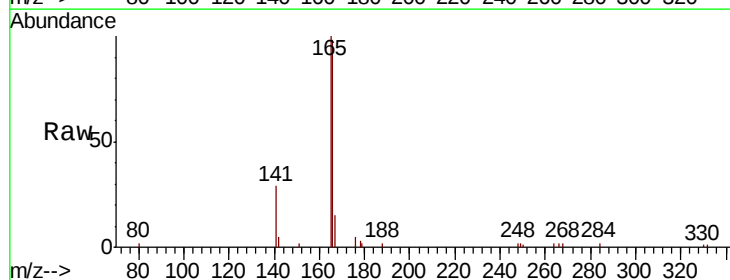
Tgt Ion:166 Resp: 5119

Ion Ratio Lower Upper

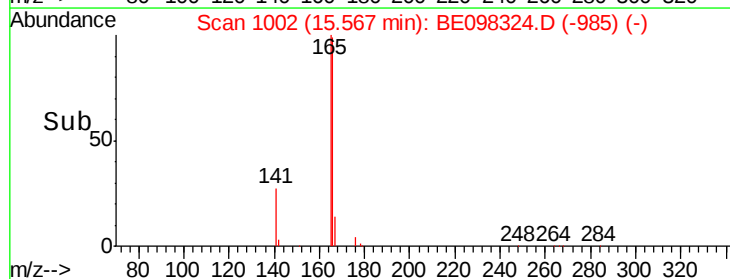
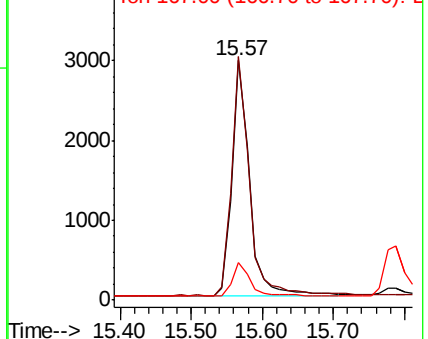
166 100

165 101.5 79.3 118.9

167 13.8 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :

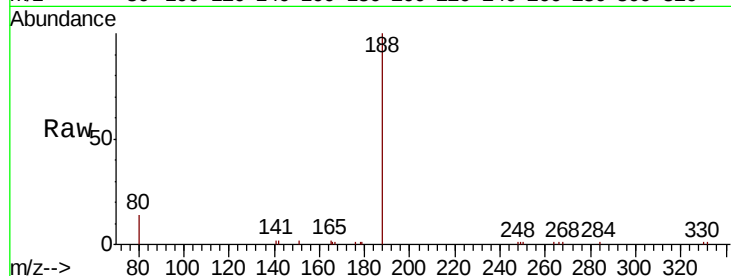
Tot Ion:188 Resp: 8577

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

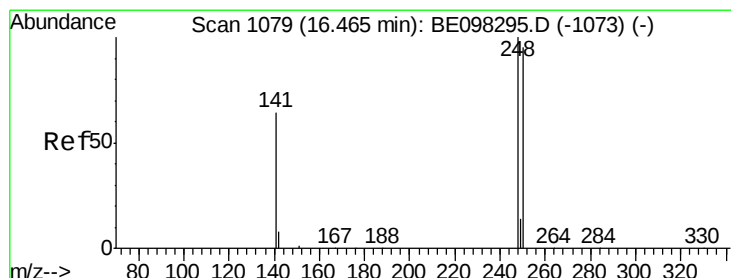
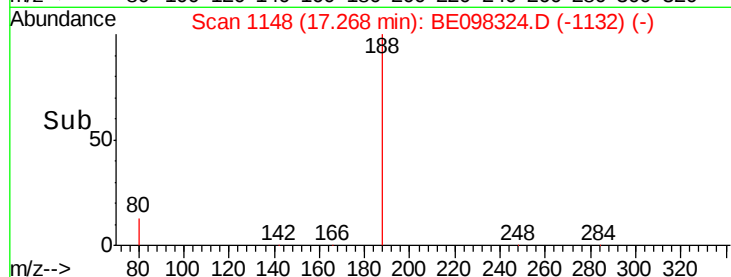
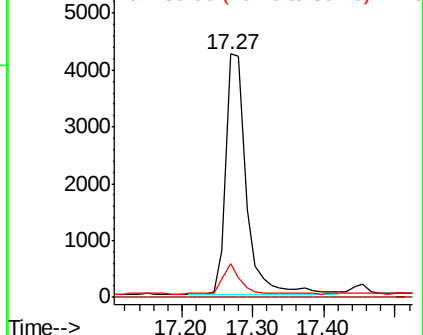
80 14.1 7.2 10.8#



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: 0.398 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

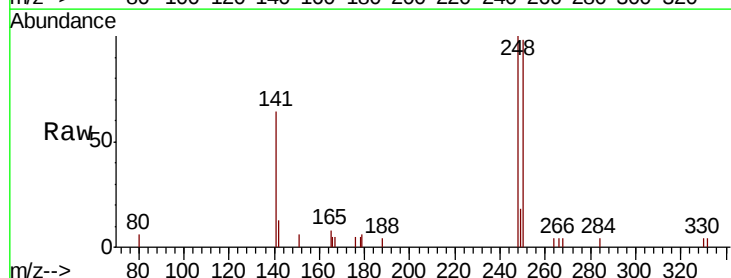
Tgt Ion:248 Resp: 1838

Ion Ratio Lower Upper

248 100

250 98.1 71.0 106.6

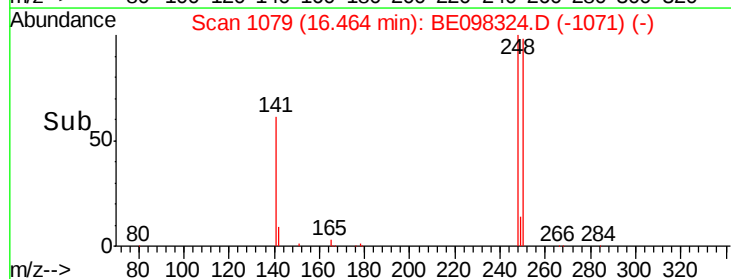
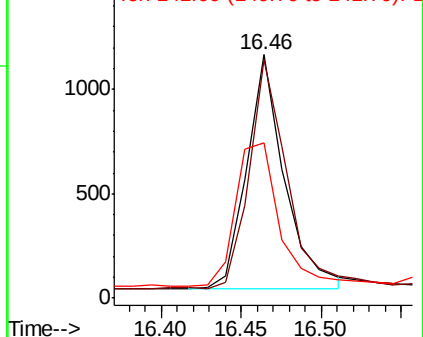
141 64.0 62.1 93.1



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

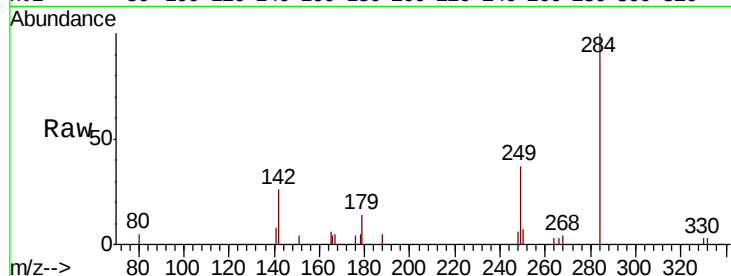




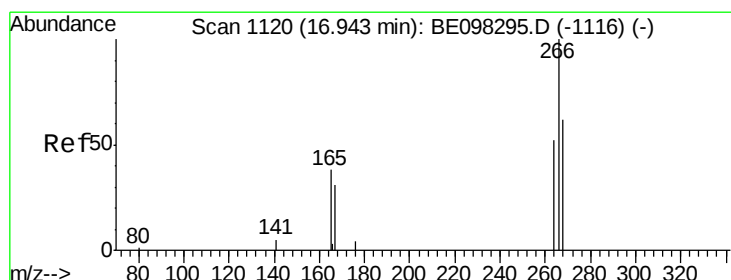
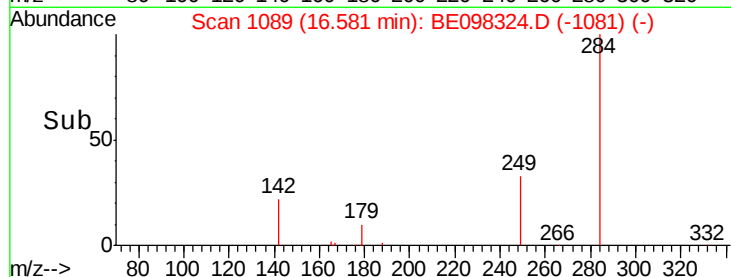
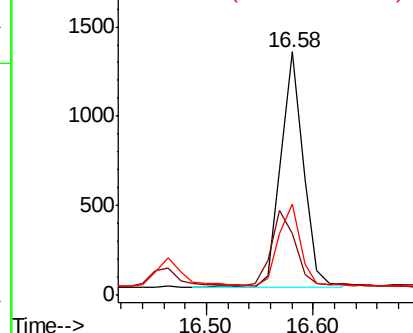
#21
Hexachlorobenzene
Concen: 0.393 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
284	100		
142	33.3	26.3	39.5
249	32.5	26.0	39.0

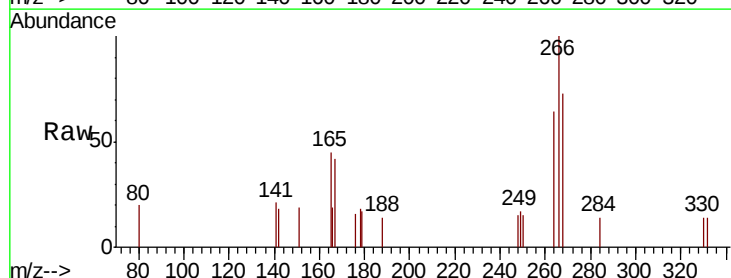


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

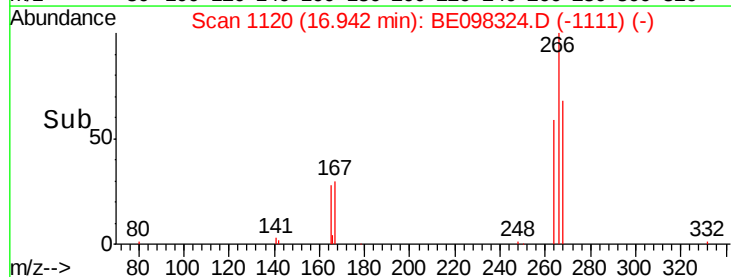
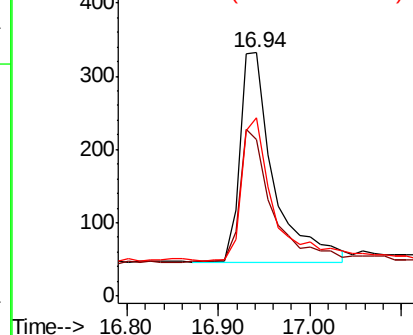


#22
Pentachlorophenol
Concen: 0.812 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.5	59.0	88.4
268	73.5	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: 0.456 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

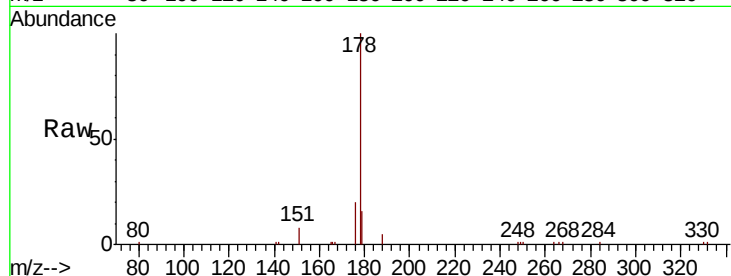
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 9495

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	14.9	12.3	18.5

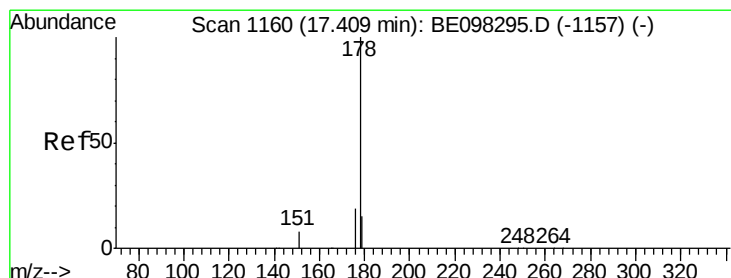
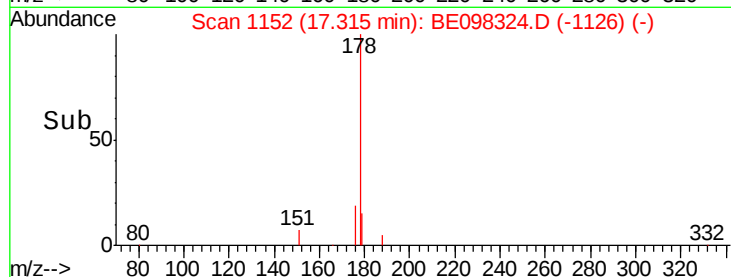
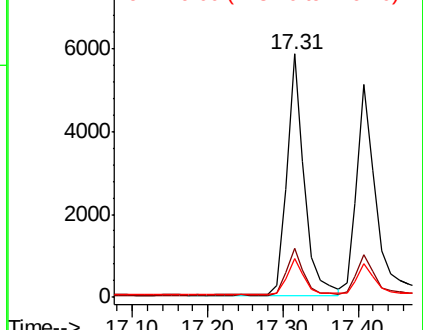


Abundance

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: 0.450 ng

RT: 17.41 min Scan# 1160

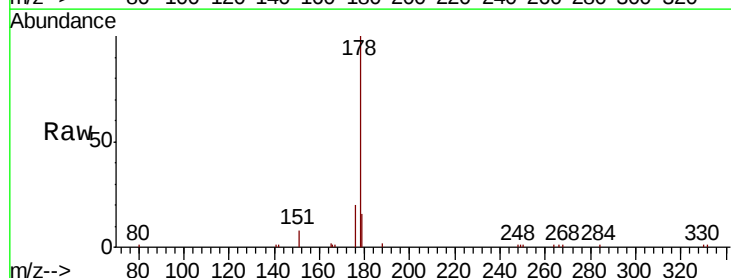
Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Tgt Ion:178 Resp: 8355

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	14.4	12.3	18.5

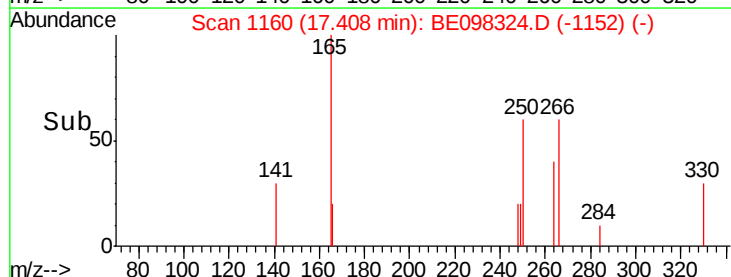
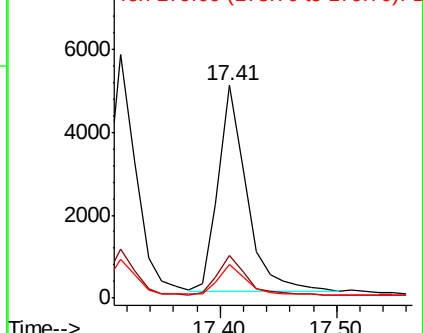


Abundance

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: 0.471 ng

RT: 19.31 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :

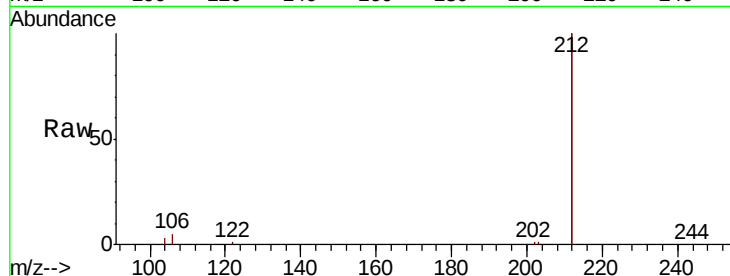
Tot Ion:212 Resp: 51812

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

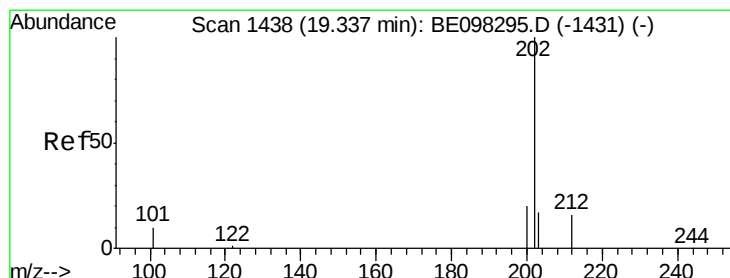
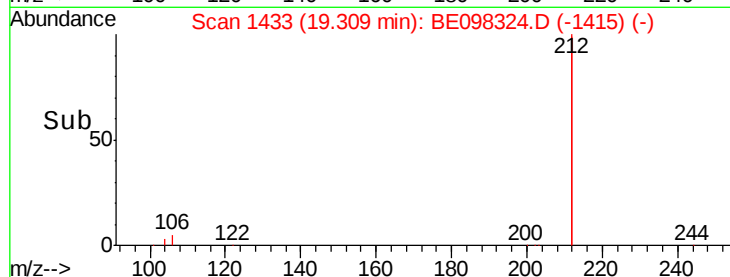
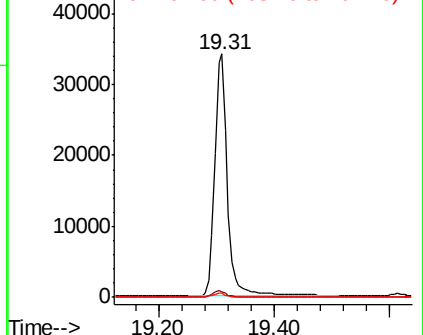
104 1.5 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.484 ng

RT: 19.34 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

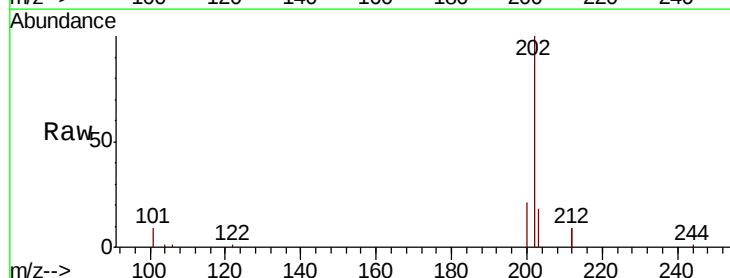
Tgt Ion:202 Resp: 13360

Ion Ratio Lower Upper

202 100

101 9.9 8.0 12.0

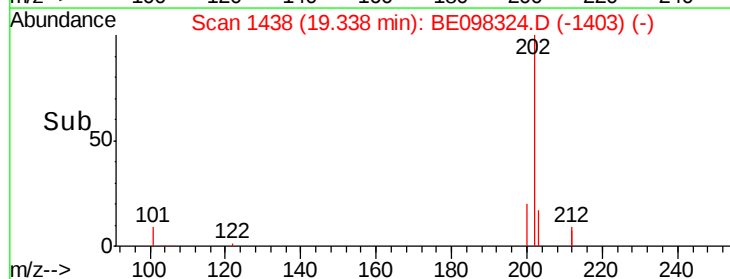
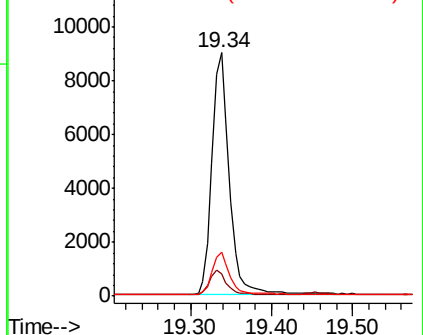
203 17.0 13.8 20.6



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

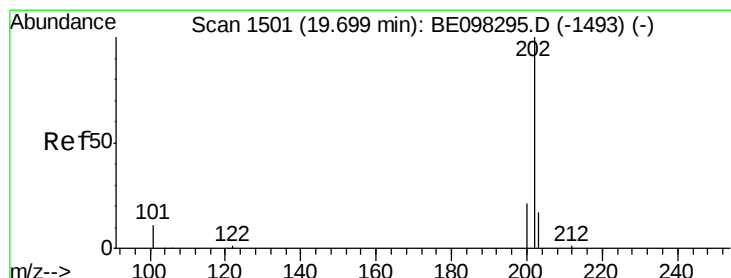
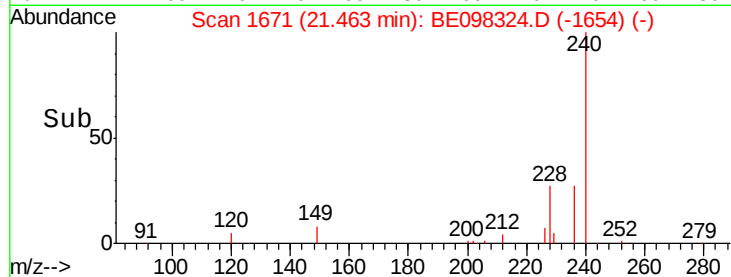
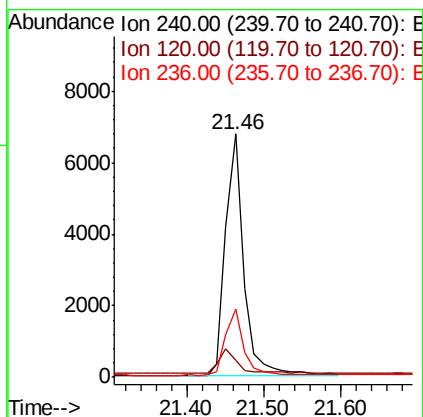
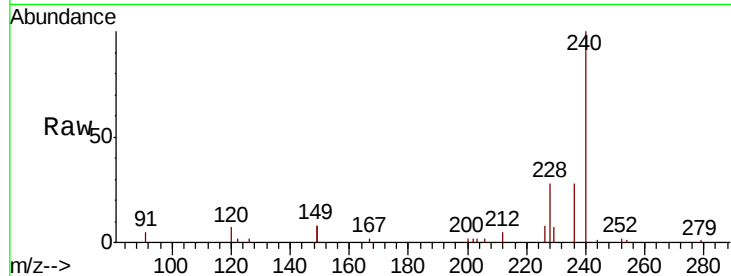




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.46 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BE098324.D
 Acq: 11 Dec 2018 8:04

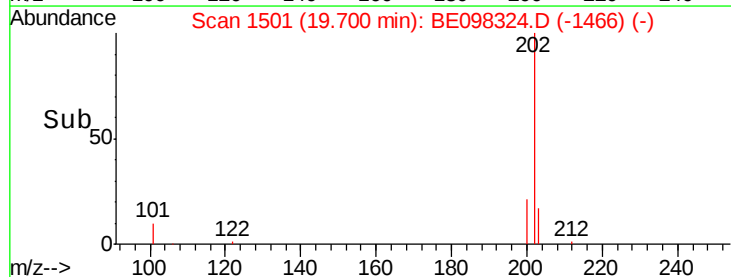
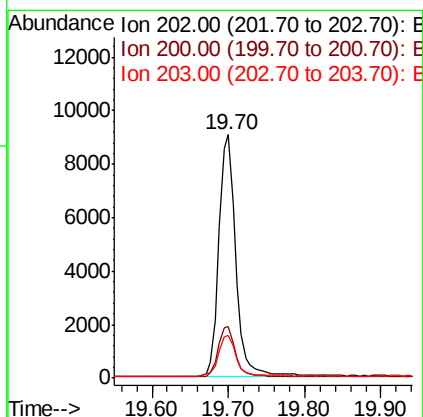
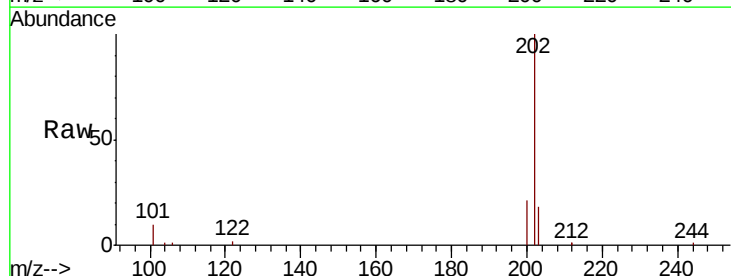
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 11110
 Ion Ratio Lower Upper
 240 100
 120 7.1 9.5 14.3#
 236 28.1 22.7 34.1



#28
 Pyrene
 Concen: 0.398 ng
 RT: 19.70 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: BE098324.D
 Acq: 11 Dec 2018 8:04

Tgt Ion:202 Resp: 13883
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.7 25.1
 203 17.5 14.1 21.1





#29

Terphenyl-d14

Concen: 0.480 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.00 min

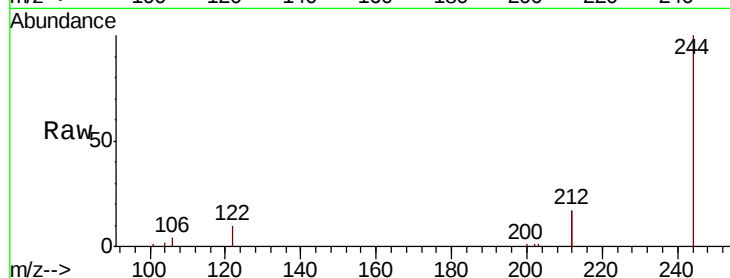
Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :



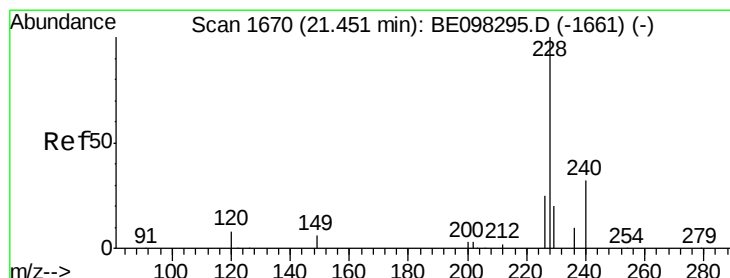
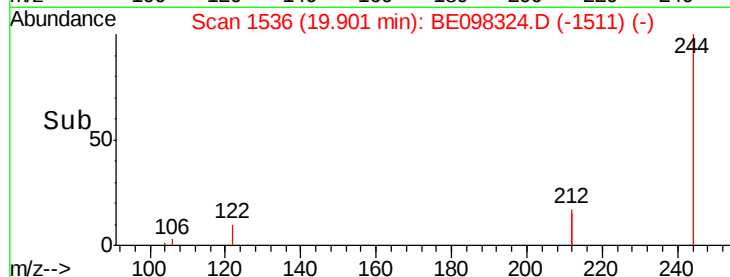
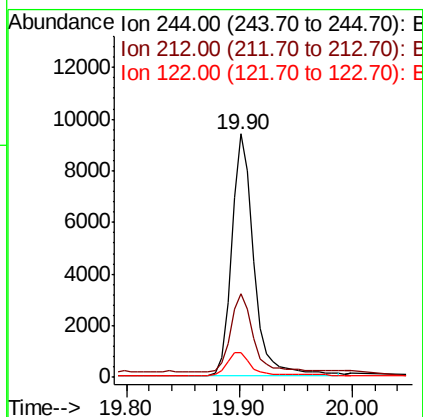
Tot Ion:244 Resp: 12956

Ion Ratio Lower Upper

244 100

212 34.2 27.4 41.0

122 10.3 8.3 12.5



#30

Benzo(a)anthracene

Concen: 0.463 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

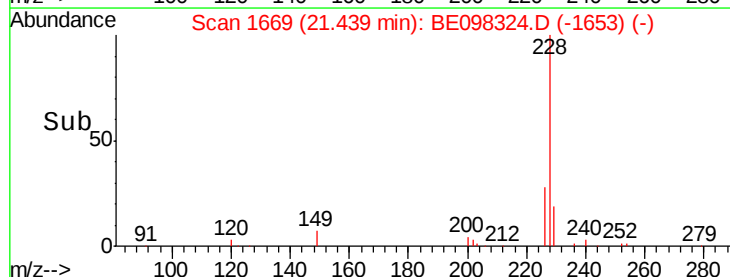
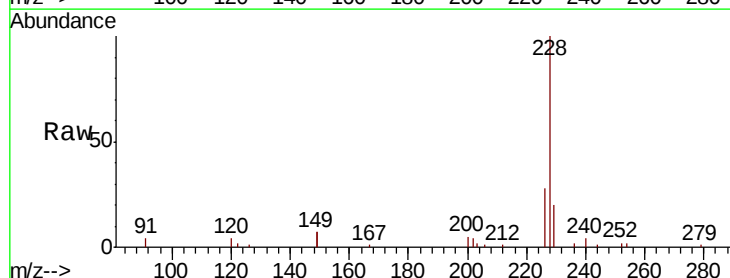
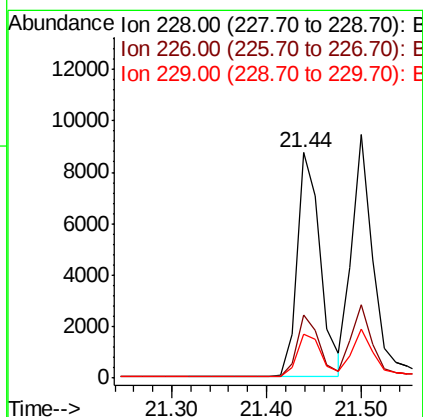
Tgt Ion:228 Resp: 14637

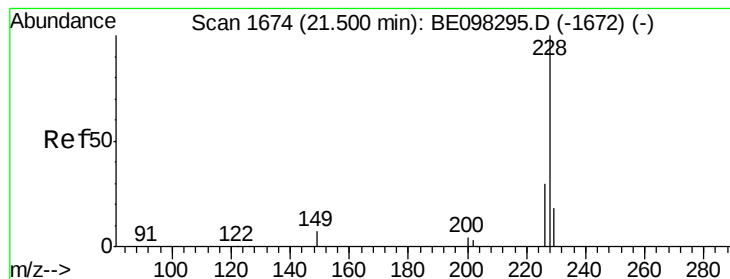
Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

229 19.6 16.3 24.5





#31

Chrysene

Concen: 0.431 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :

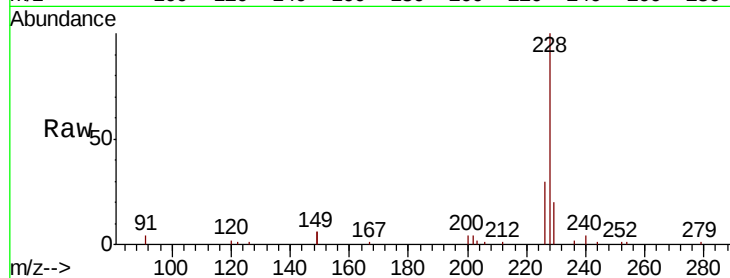
Tot Ion:228 Resp: 14284

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

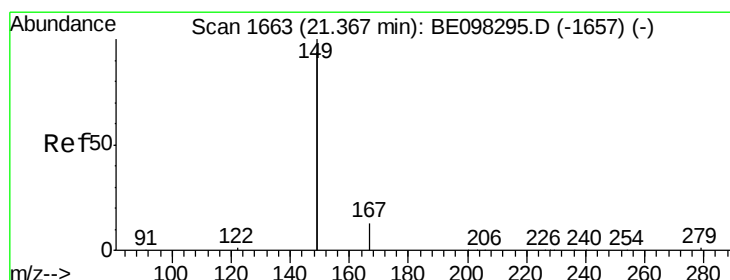
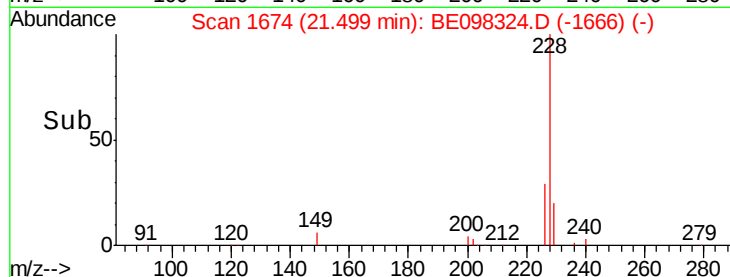
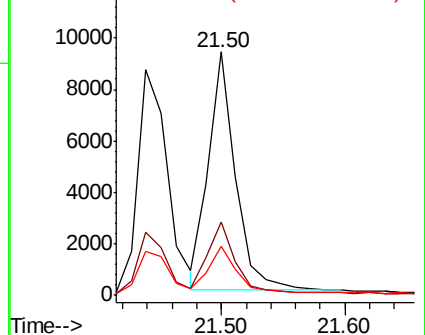
229 20.3 16.2 24.4



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: 0.723 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

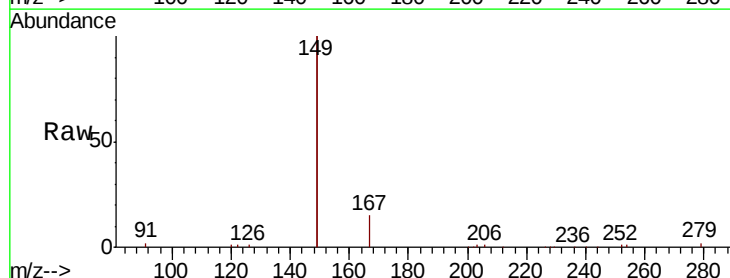
Tgt Ion:149 Resp: 46457

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

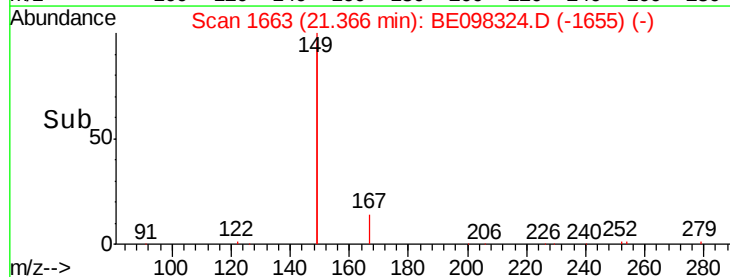
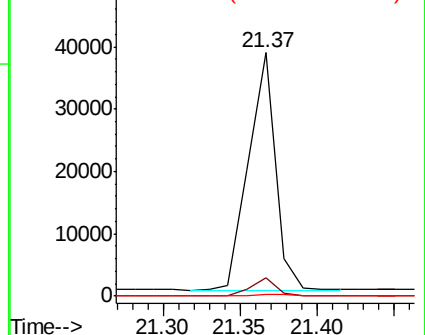
279 1.0 1.0 1.4



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

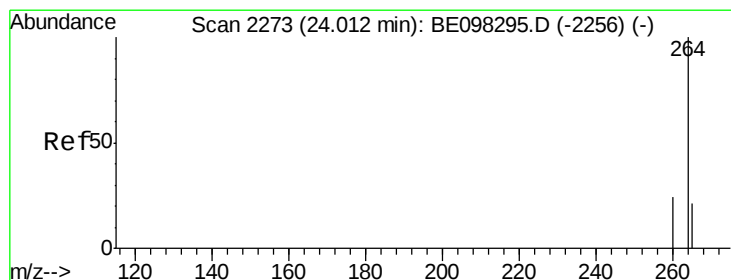
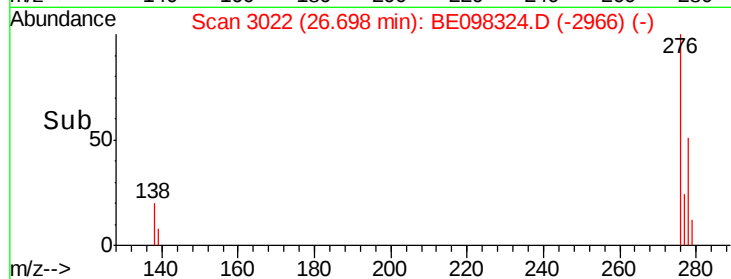
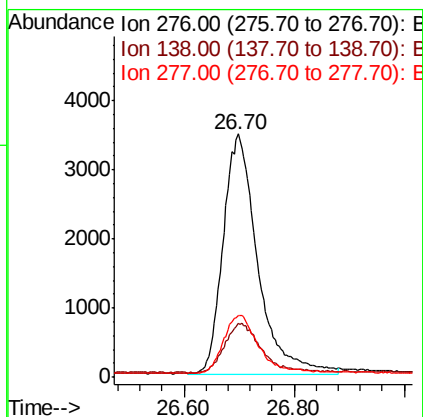
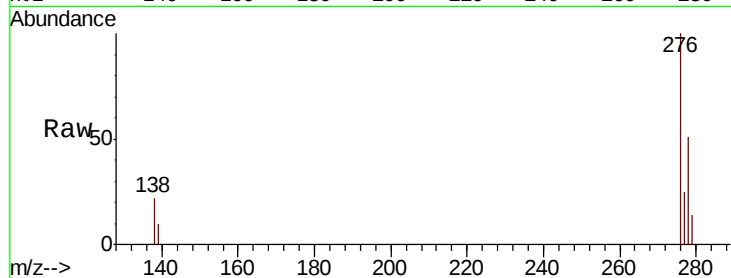




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.457 ng
 RT: 26.70 min Scan# 3022
 Delta R.T. -0.00 min
 Lab File: BE098324.D
 Acq: 11 Dec 2018 8:04

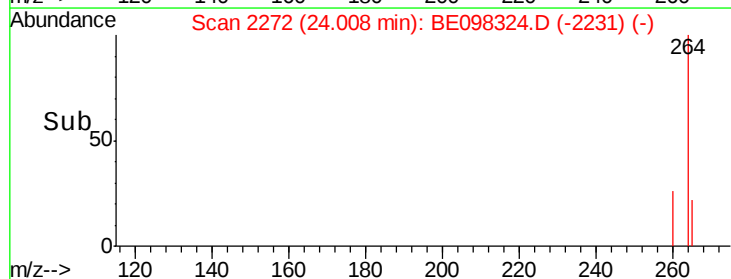
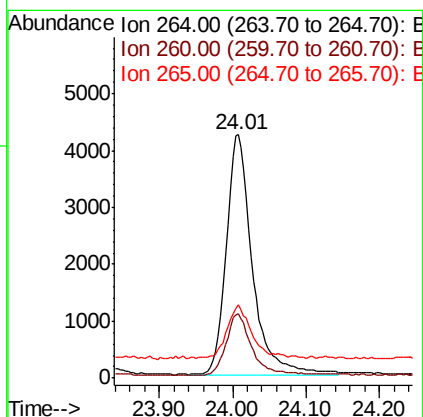
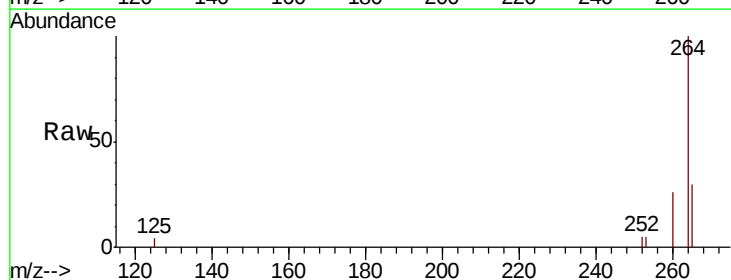
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 15074
 Ion Ratio Lower Upper
 276 100
 138 20.4 16.3 24.5
 277 24.4 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: BE098324.D
 Acq: 11 Dec 2018 8:04

Tgt Ion:264 Resp: 10488
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.2 30.2
 265 30.0 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.456 ng

RT: 23.22 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :

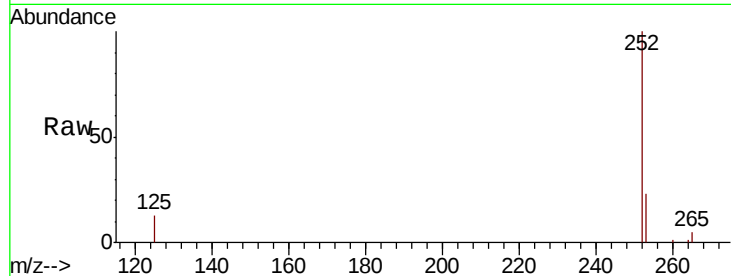
Tot Ion:252 Resp: 13086

Ion Ratio Lower Upper

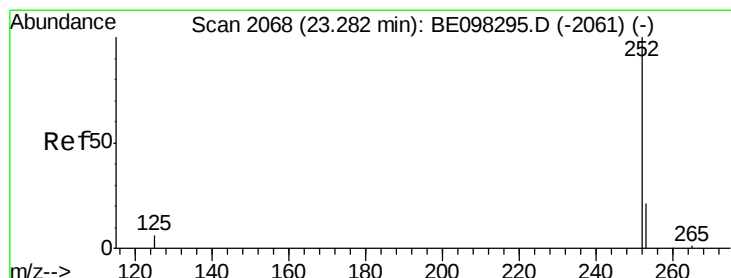
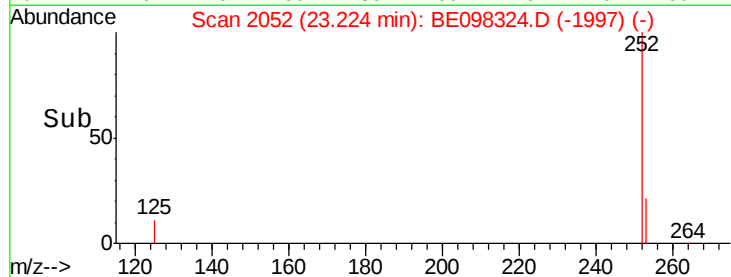
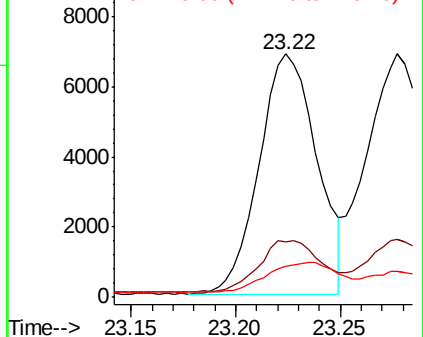
252 100

253 22.8 20.0 30.0

125 12.5 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: 0.448 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

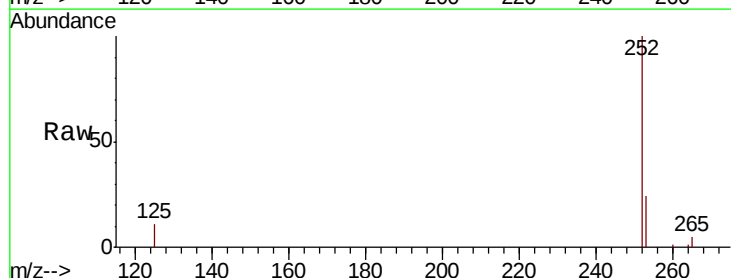
Tgt Ion:252 Resp: 14964

Ion Ratio Lower Upper

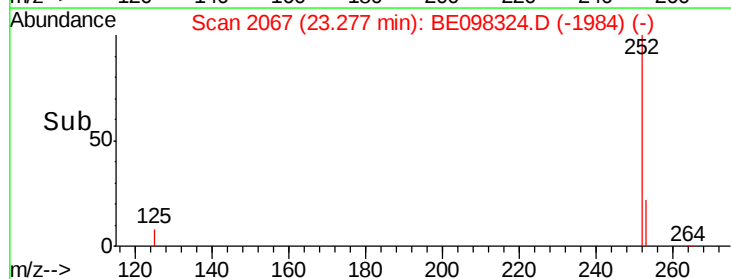
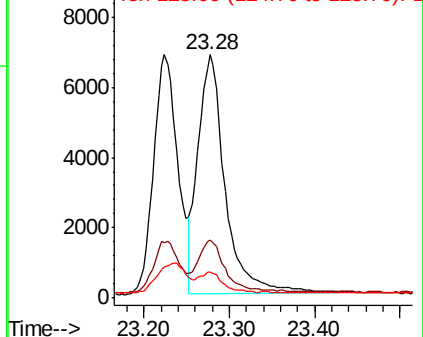
252 100

253 23.9 19.0 28.6

125 10.5 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

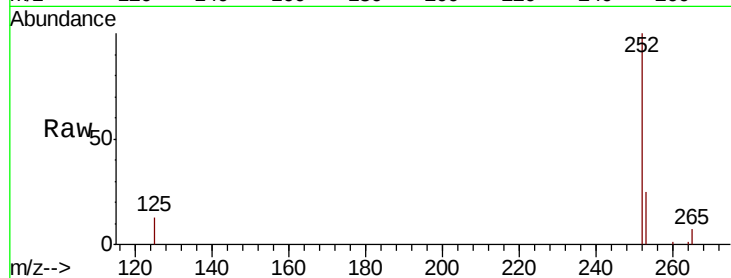




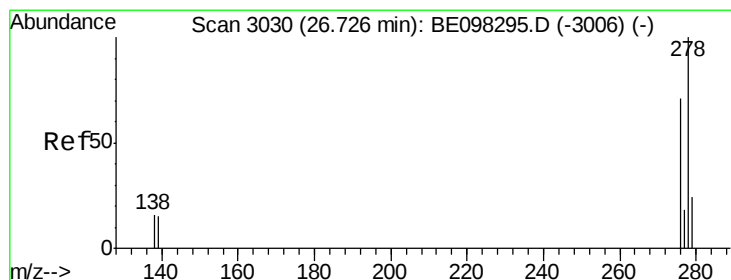
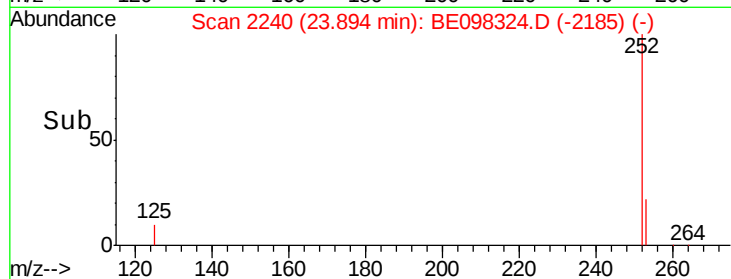
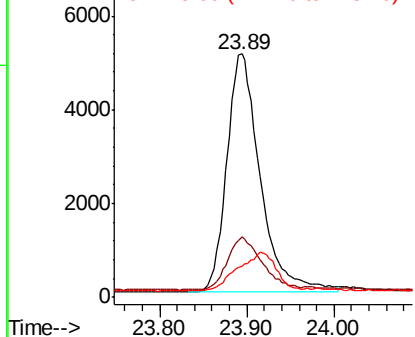
#37
Benzo(a)pyrene
Concen: 0.459 ng
RT: 23.89 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 13578
Ion Ratio Lower Upper
252 100
253 25.0 20.6 30.8
125 12.8 10.5 15.7

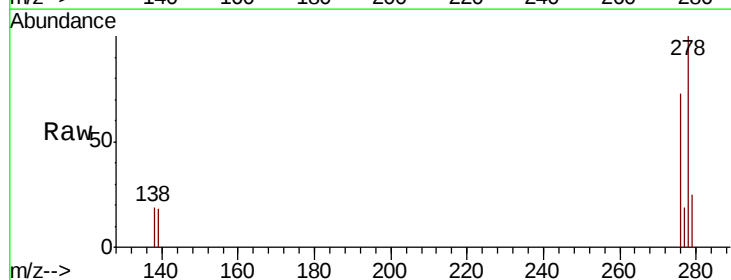


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

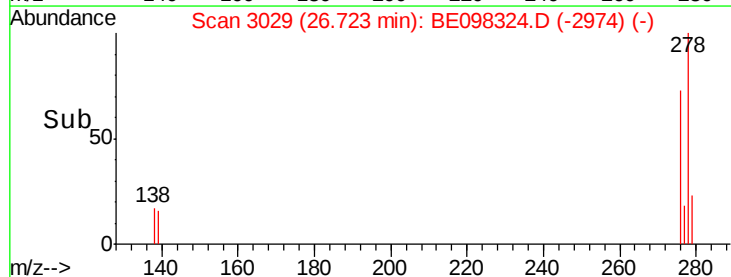
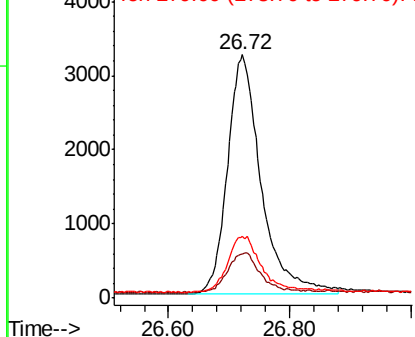


#38
Dibenzo(a,h)anthracene
Concen: 0.450 ng
RT: 26.72 min Scan# 3029
Delta R.T. -0.00 min
Lab File: BE098324.D
Acq: 11 Dec 2018 8:04

Tgt Ion:278 Resp: 12532
Ion Ratio Lower Upper
278 100
139 18.2 14.5 21.7
279 25.4 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: 0.451 ng

RT: 27.52 min Scan# 3252

Delta R.T. -0.00 min

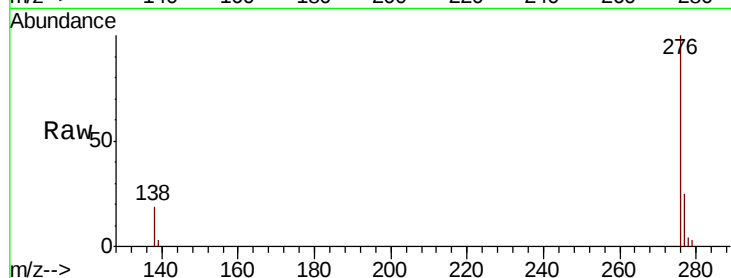
Lab File: BE098324.D

Acq: 11 Dec 2018 8:04

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 12658

Ion Ratio Lower Upper

276 100

277 25.2 20.8 31.2

138 19.2 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

