

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE122018\
 Data File : BE098542.D
 Acq On : 20 Dec 2018 17:00
 Operator : SJ/JU
 Sample : PB115810BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115586BS

Quant Time: Dec 21 05:03:05 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	840	0.40	ng	-0.01
7) Naphthalene-d8	10.64	136	3784	0.40	ng	-0.03
13) Acenaphthene-d10	14.51	164	2684	0.40	ng	-0.01
19) Phenanthrene-d10	17.26	188	7390	0.40	ng	-0.03
27) Chrysene-d12	21.45	240	7960	0.40	ng	-0.01
34) Perylene-d12	23.99	264	7127	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.44	112	842	0.43	ng	0.00
5) Phenol-d6	7.03	99	1166	0.42	ng	-0.01
8) Nitrobenzene-d5	9.02	82	1276	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2658	0.43	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	486	0.49	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	4392	0.39	ng	-0.01
25) Fluoranthene-d10	19.29	212	40221	0.42	ng	-0.02
29) Terphenyl-d14	19.89	244	8008	0.41	ng	-0.02

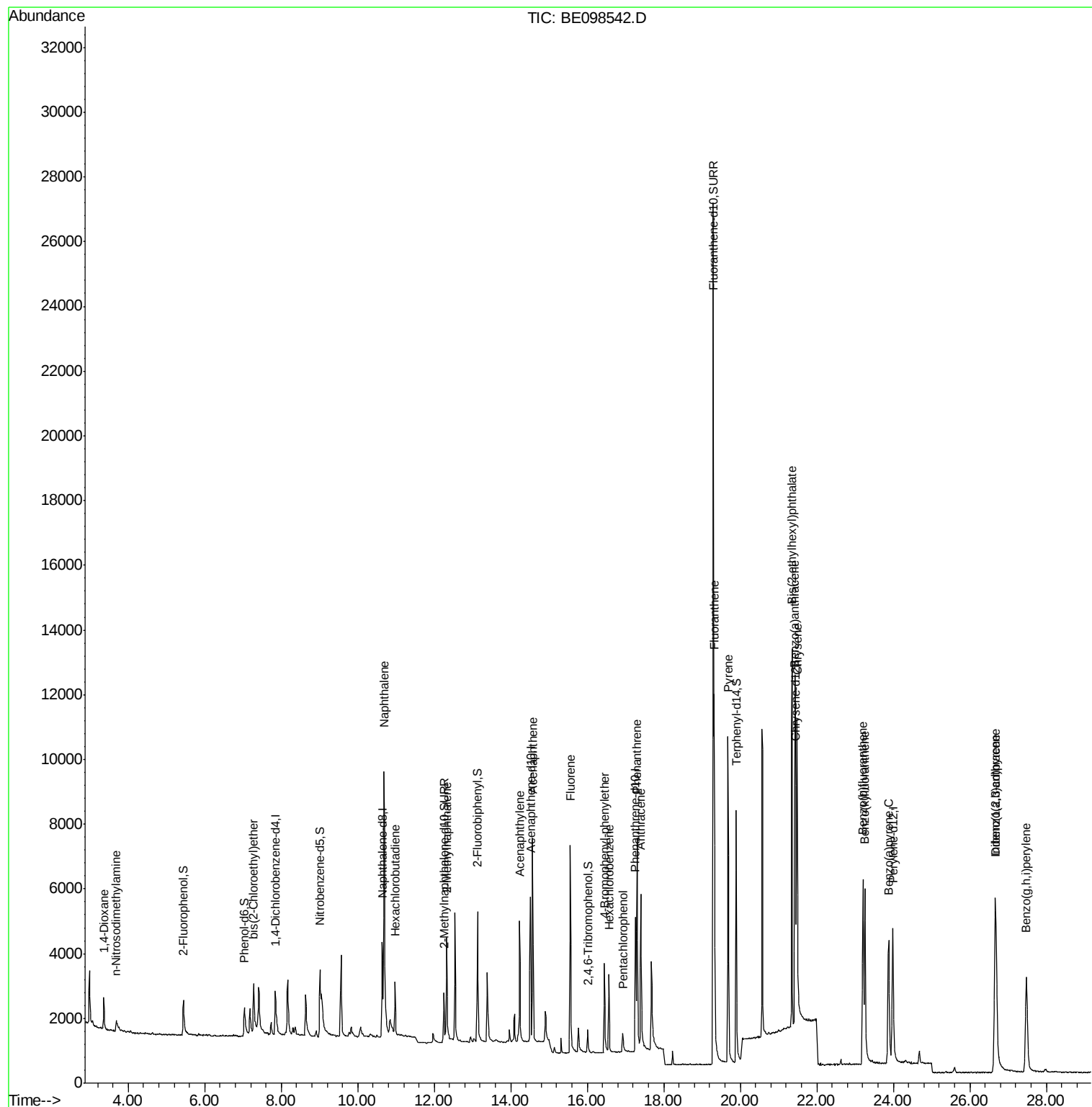
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	619	0.426	ng	98
3) n-Nitrosodimethylamine	3.69	42	390	0.298	ng	# 100
6) bis(2-Chloroethyl)ether	7.27	93	913	0.345	ng	95
9) Naphthalene	10.69	128	16237	0.426	ng	99
10) Hexachlorobutadiene	10.98	225	1084	0.447	ng	98
12) 2-Methylnaphthalene	12.33	142	2618	0.423	ng	97
16) Acenaphthylene	14.23	152	4738	0.377	ng	99
17) Acenaphthene	14.57	154	3128	0.414	ng	98
18) Fluorene	15.55	166	4293	0.425	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	1592	0.400	ng	92
21) Hexachlorobenzene	16.57	284	1891	0.442	ng	96
22) Pentachlorophenol	16.93	266	468	0.629	ng	94
23) Phenanthrene	17.30	178	7442	0.414	ng	100
24) Anthracene	17.40	178	5939	0.371	ng	99
26) Fluoranthene	19.32	202	9927	0.418	ng	99
28) Pyrene	19.68	202	10357	0.415	ng	99
30) Benzo(a)anthracene	21.43	228	9154	0.404	ng	98
31) Chrysene	21.49	228	9199	0.387	ng	98
32) Bis(2-ethylhexyl)phthalate	21.35	149	15188	0.330	ng	99
33) Indeno(1,2,3-cd)pyrene	26.66	276	9303	0.394	ng	98
35) Benzo(b)fluoranthene	23.21	252	7850	0.403	ng	99
36) Benzo(k)fluoranthene	23.25	252	9104	0.401	ng	98
37) Benzo(a)pyrene	23.87	252	7840	0.390	ng	97
38) Dibenzo(a,h)anthracene	26.68	278	7690	0.406	ng	99
39) Benzo(g,h,i)perylene	27.48	276	8021	0.420	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: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

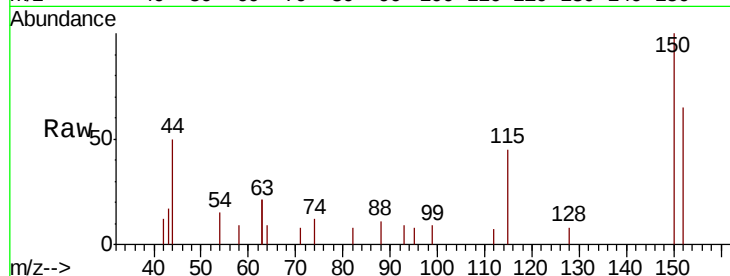
Tgt Ion:152 Resp: 840

Ion Ratio Lower Upper

152 100

150 154.0 124.2 186.4

115 69.1 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

800

600

400

200

0

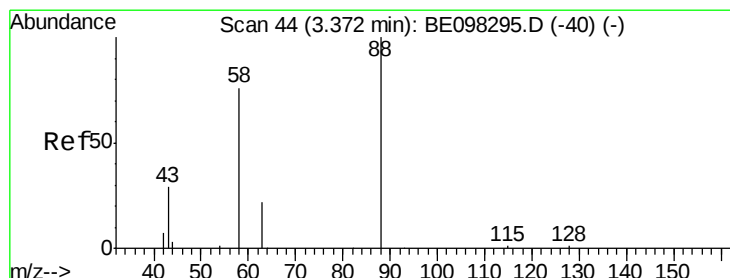
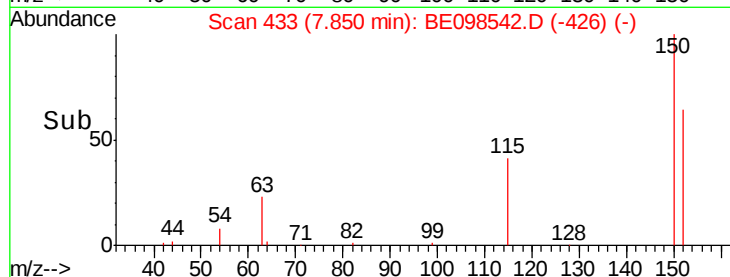
7.85

7.80

7.90

8.00

Time-->



#2

1,4-Dioxane

Concen: 0.426 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

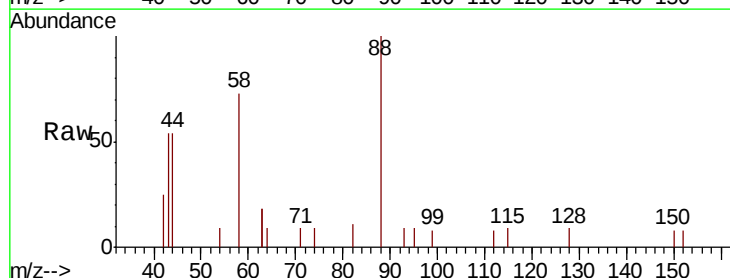
Tgt Ion: 88 Resp: 619

Ion Ratio Lower Upper

88 100

58 90.8 75.0 112.6

43 48.3 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

800

600

400

200

0

3.36

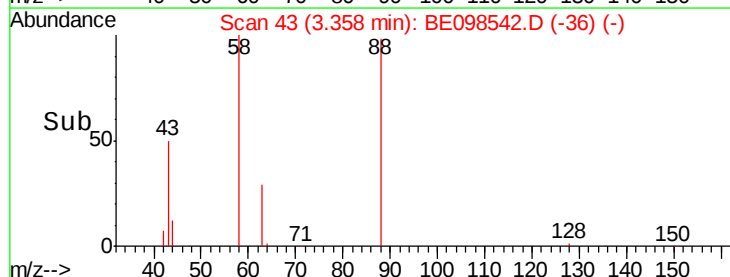
3.30

3.35

3.40

3.45

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.298 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

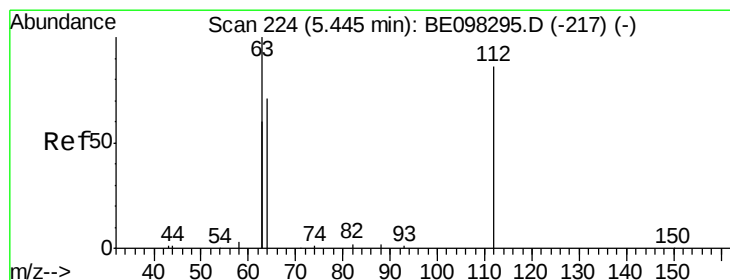
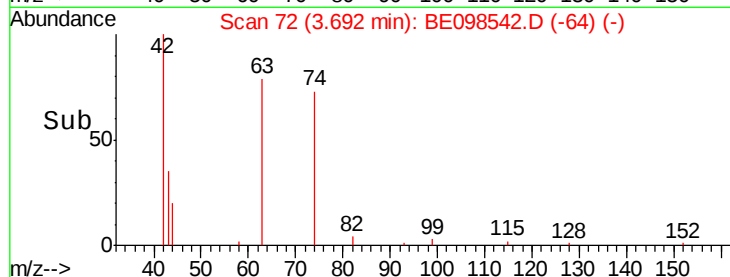
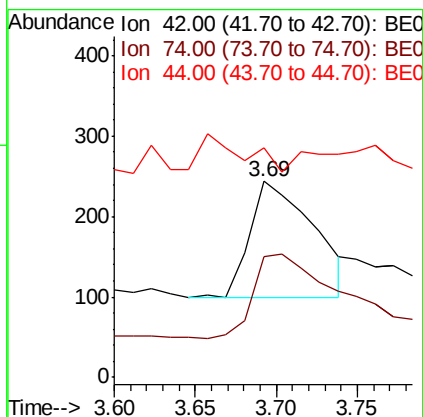
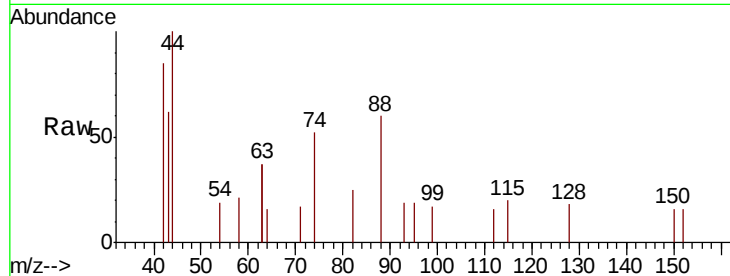
Instrument :

BNA_E

ClientSampleId :

PB115586BS

Tgt Ion:	42	Resp:	390
Ion	Ratio	Lower	Upper
42	100		
74	80.5	0.0	0.0#
44	0.0	0.0	0.0



#4

2-Fluorophenol

Concen: 0.428 ng

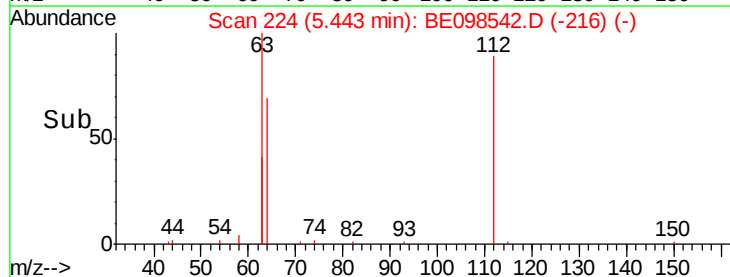
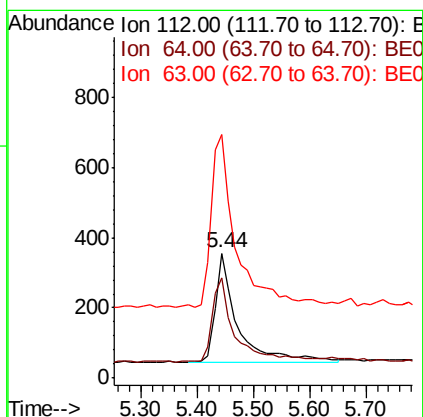
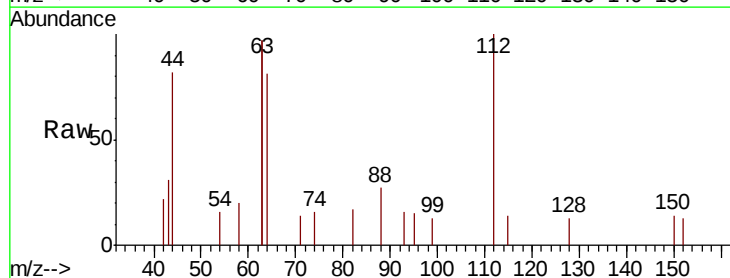
RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Tgt Ion:	112	Resp:	842
Ion	Ratio	Lower	Upper
112	100		
64	81.9	59.8	89.8
63	173.2	133.7	200.5





#5

Phenol-d6

Concen: 0.419 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

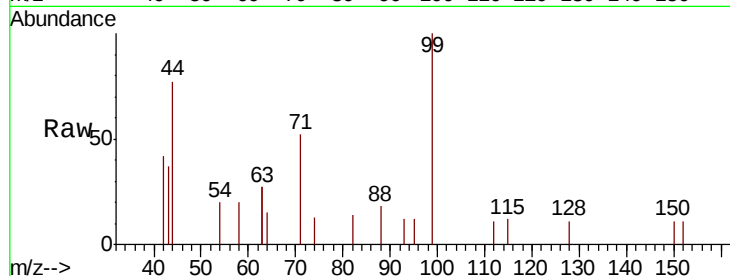
Tgt Ion: 99 Resp: 1166

Ion Ratio Lower Upper

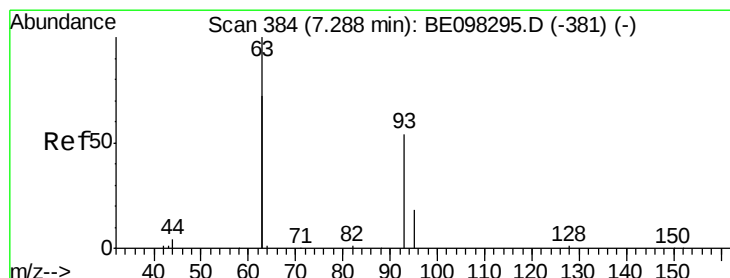
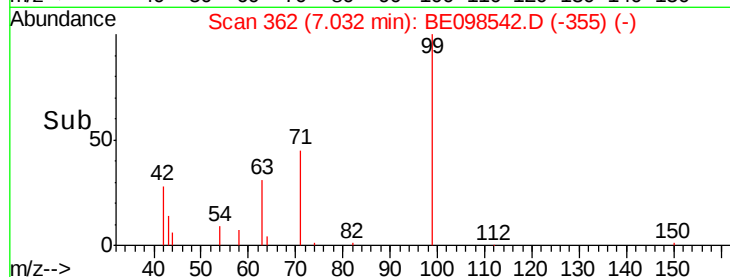
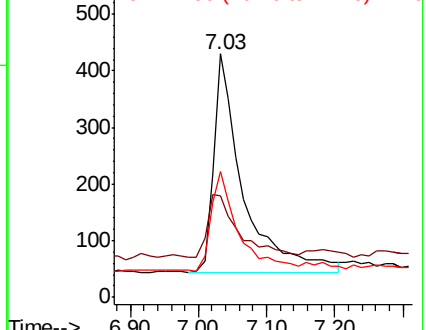
99 100

42 31.1 26.3 39.5

71 41.9 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



#6

bis(2-Chloroethyl)ether

Concen: 0.345 ng

RT: 7.27 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

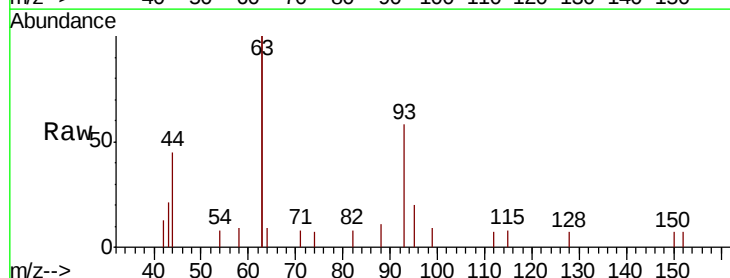
Tgt Ion: 93 Resp: 913

Ion Ratio Lower Upper

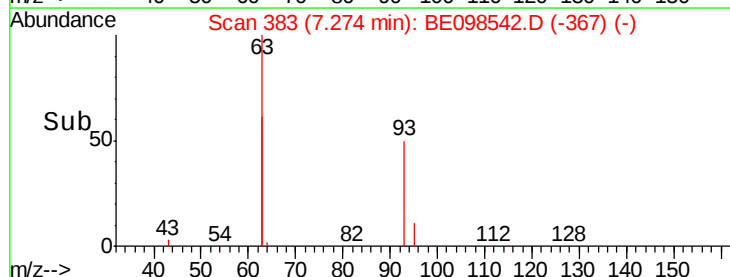
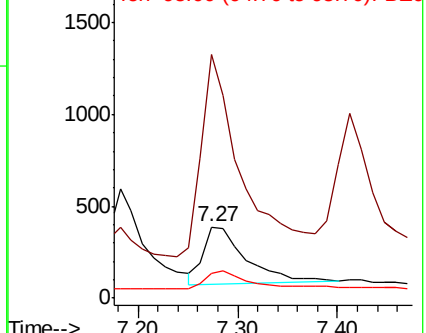
93 100

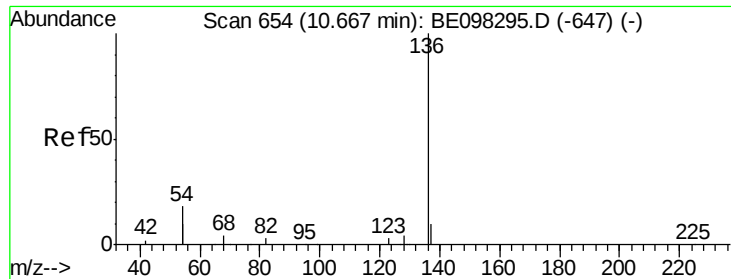
63 341.0 264.4 396.6

95 35.2 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: 10.64 min Scan# 652

Delta R.T. -0.03 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

Tgt Ion:136 Resp: 3784

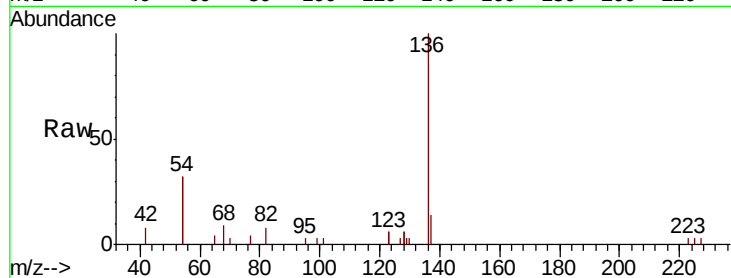
Ion Ratio Lower Upper

136 100

137 13.8 9.2 13.8

54 63.8 28.4 42.6#

68 9.3 5.4 8.0#

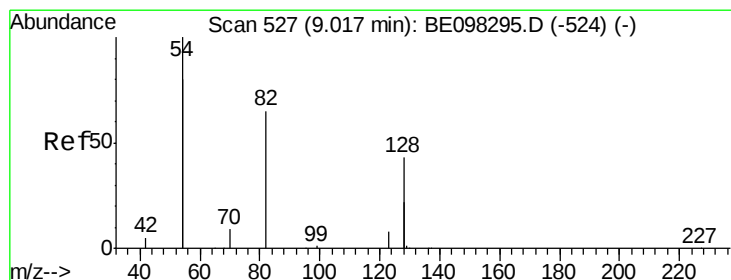
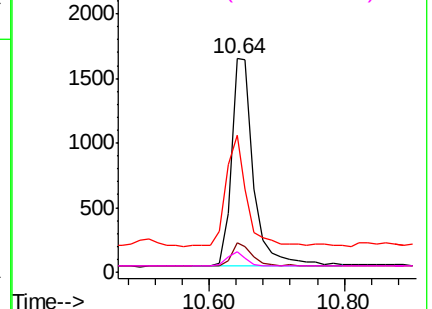
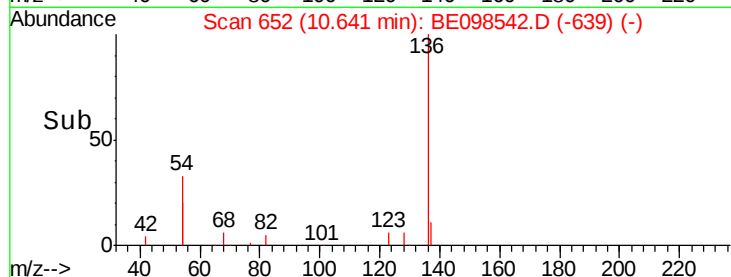


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.370 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

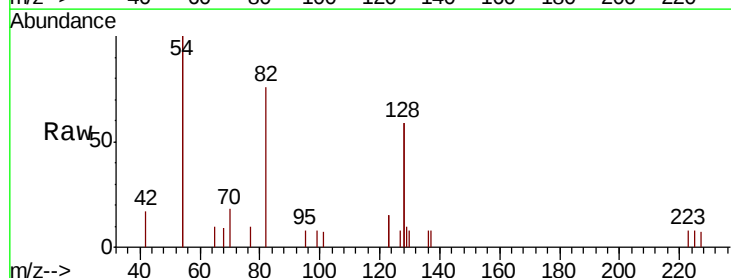
Tgt Ion: 82 Resp: 1276

Ion Ratio Lower Upper

82 100

128 154.3 102.4 153.6#

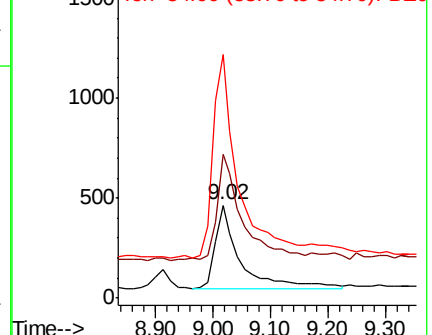
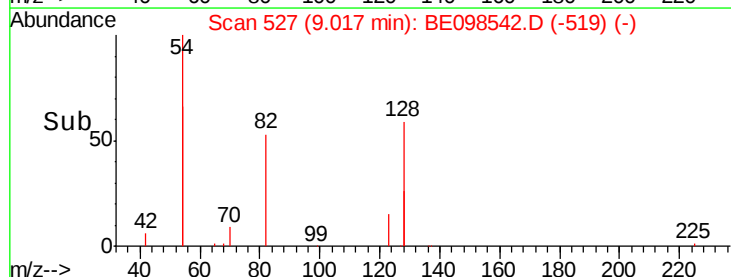
54 262.5 221.8 332.8

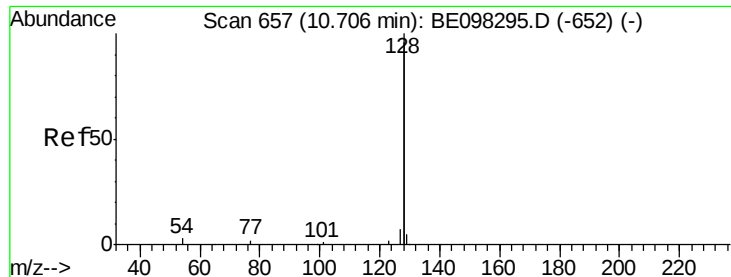


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.426 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

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ClientSampleId :

PB115586BS

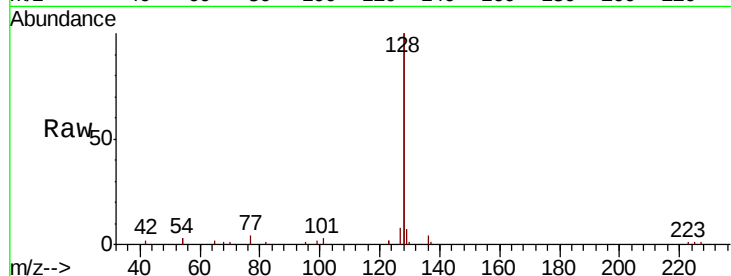
Tgt Ion:128 Resp: 16237

Ion Ratio Lower Upper

128 100

129 3.4 2.5 3.7

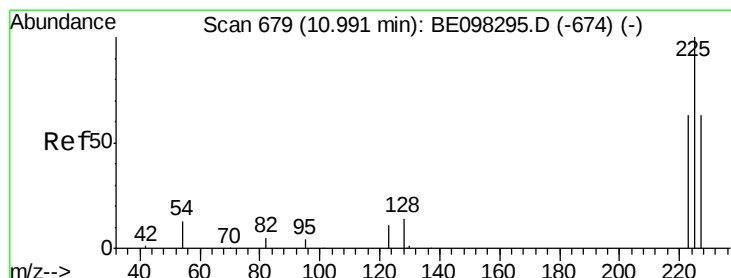
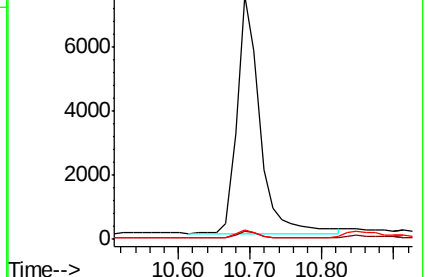
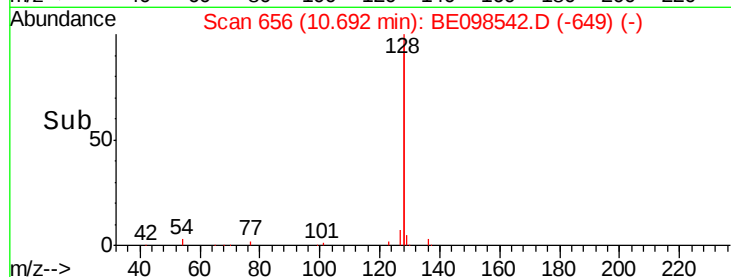
127 4.0 2.7 4.1



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: 0.447 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

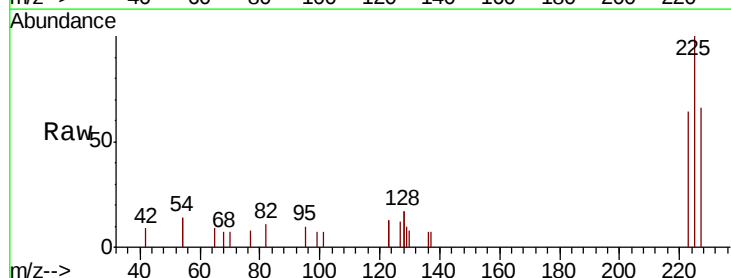
Tgt Ion:225 Resp: 1084

Ion Ratio Lower Upper

225 100

223 62.5 49.4 74.0

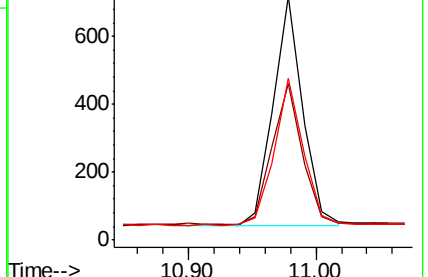
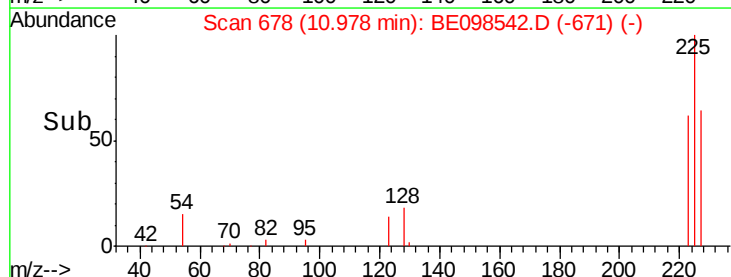
227 62.9 52.0 78.0



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: 0.432 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

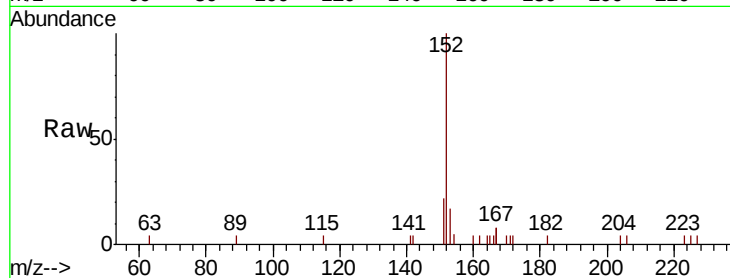
PB115586BS

Tgt Ion:152 Resp: 2658

Ion Ratio Lower Upper

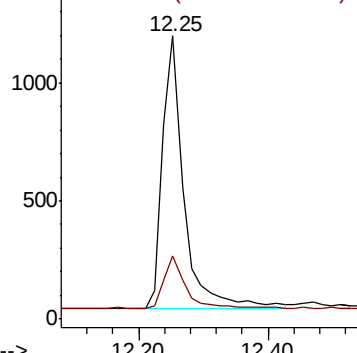
152 100

151 18.5 16.2 24.4

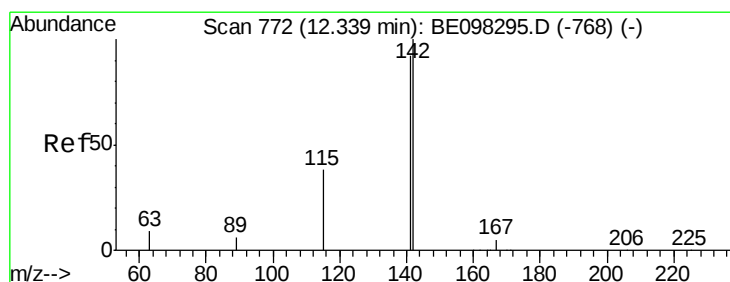
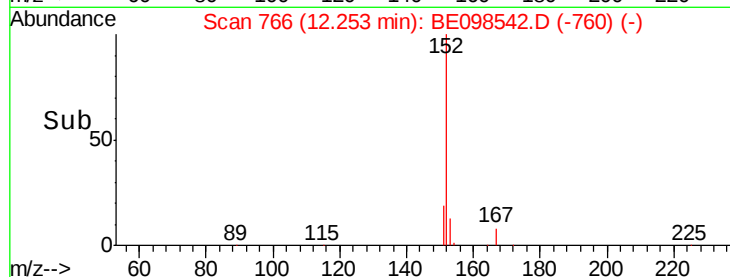


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.423 ng

RT: 12.33 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

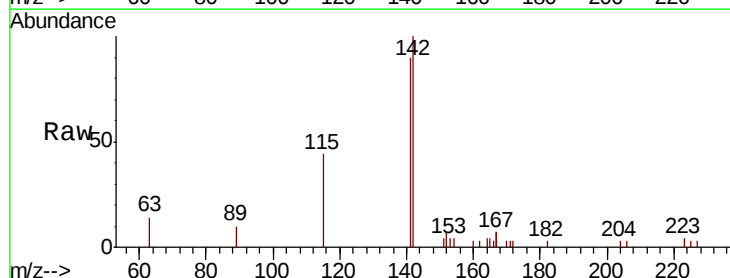
Tgt Ion:142 Resp: 2618

Ion Ratio Lower Upper

142 100

141 89.9 71.0 106.6

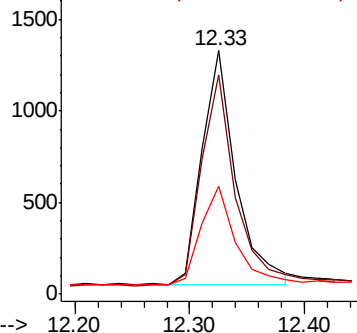
115 44.2 32.2 48.2



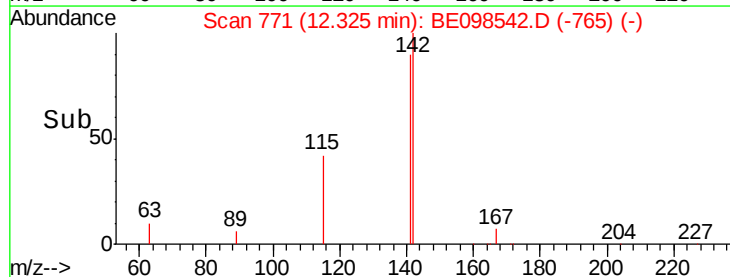
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->

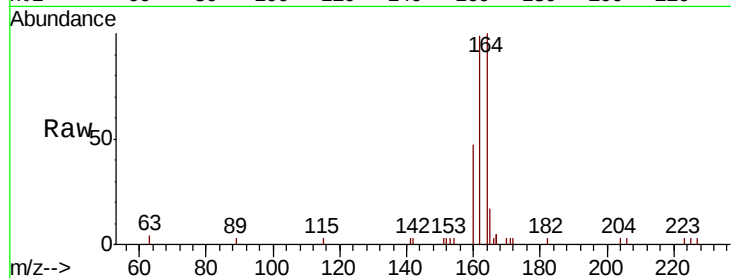




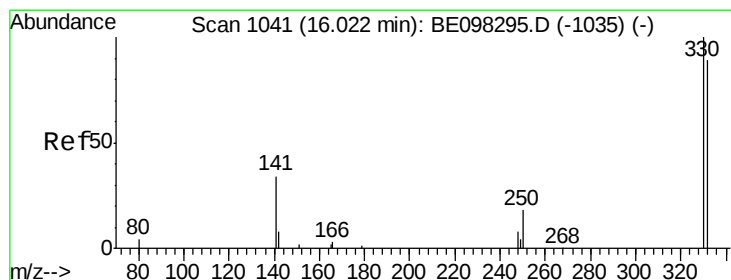
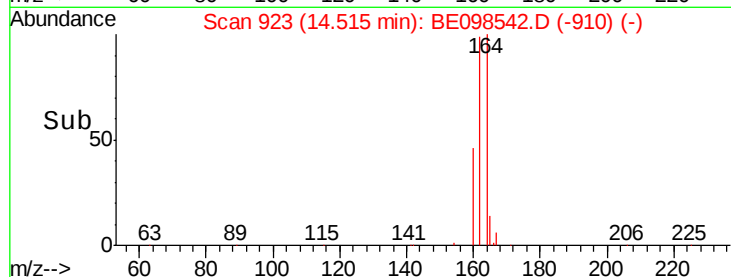
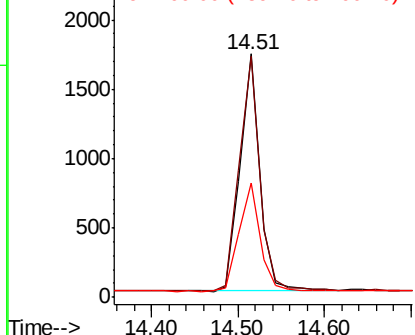
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BE098542.D
 Acq: 20 Dec 2018 17:00

Instrument :
 BNA_E
 ClientSampleId :
 PB115586BS

Tgt Ion:164 Resp: 2684
 Ion Ratio Lower Upper
 164 100
 162 98.9 77.6 116.4
 160 47.1 36.0 54.0

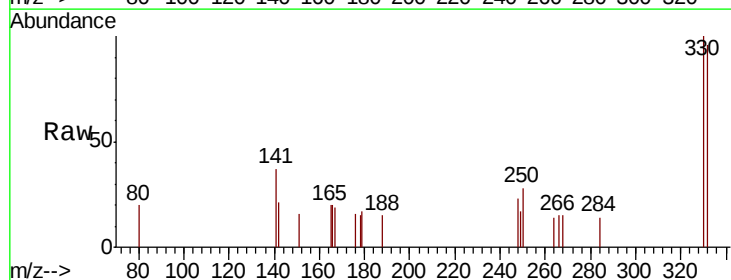


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

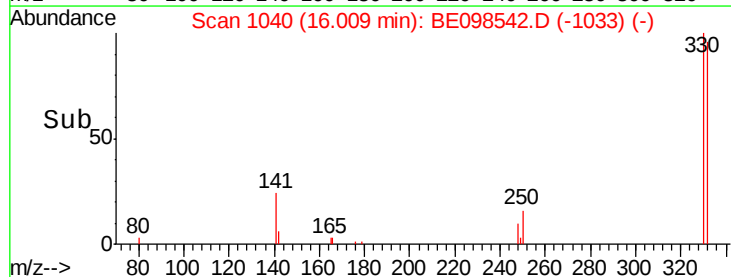
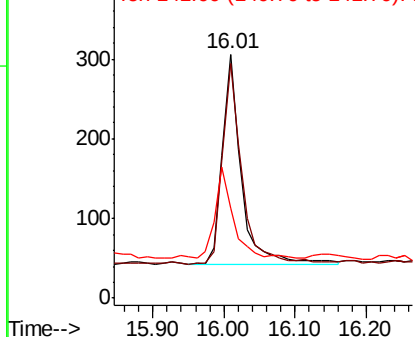


#14
 2,4,6-Tribromophenol
 Concen: 0.493 ng
 RT: 16.01 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BE098542.D
 Acq: 20 Dec 2018 17:00

Tgt Ion:330 Resp: 486
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.2 114.4
 141 44.7 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

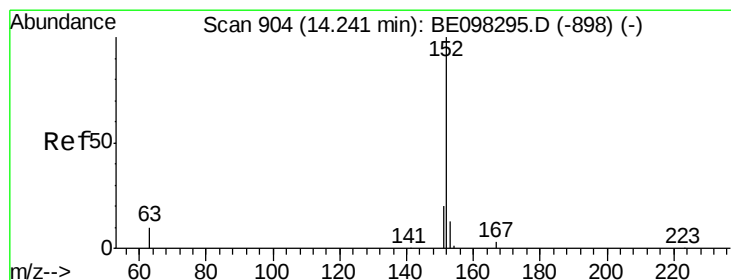
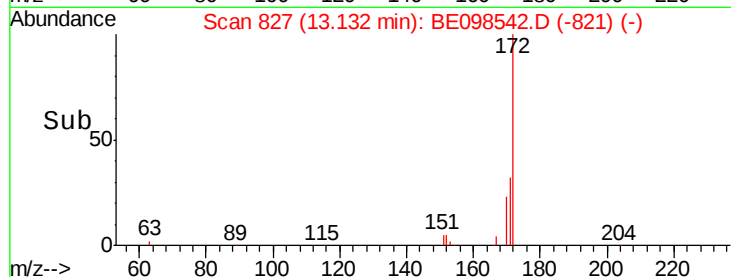
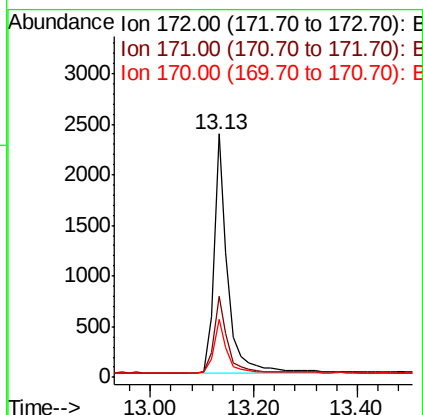
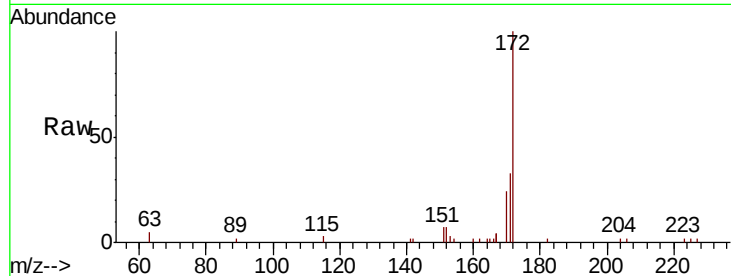




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

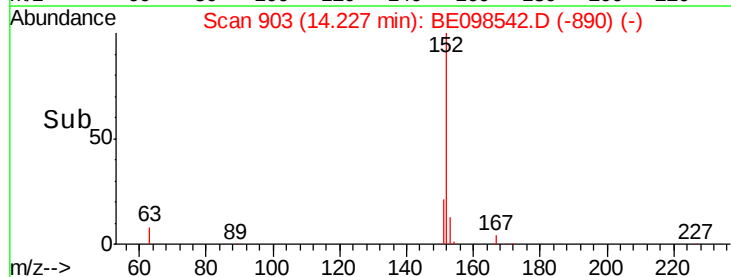
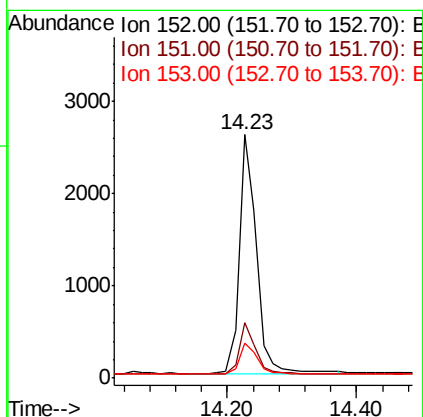
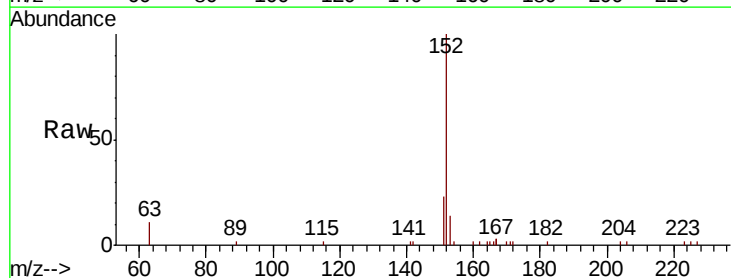
Instrument :
BNA_E
ClientSampleId :
PB115586BS

Tgt Ion:172 Resp: 4392
Ion Ratio Lower Upper
172 100
171 33.4 27.5 41.3
170 24.0 19.6 29.4



#16
Acenaphthylene
Concen: 0.377 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE098542.D
Acq: 20 Dec 2018 17:00

Tgt Ion:152 Resp: 4738
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 13.6 10.6 16.0





#17

Acenaphthene

Concen: 0.414 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

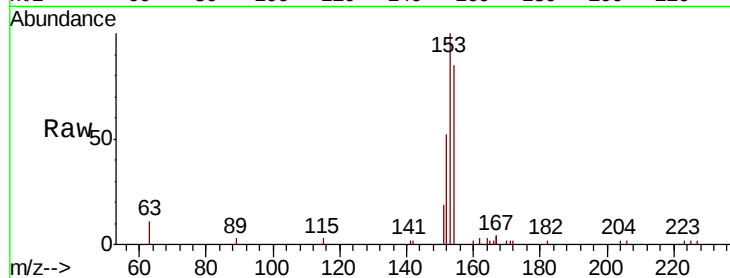
Tgt Ion:154 Resp: 3128

Ion Ratio Lower Upper

154 100

153 116.4 91.8 137.6

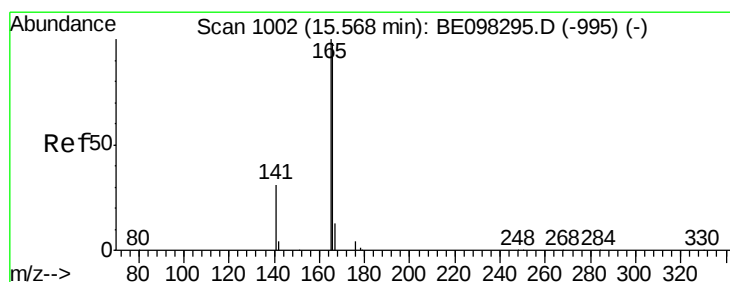
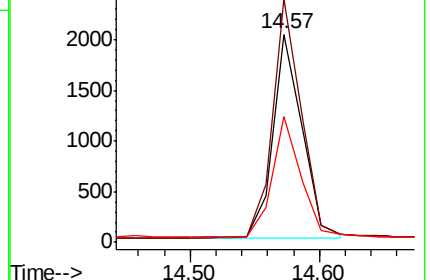
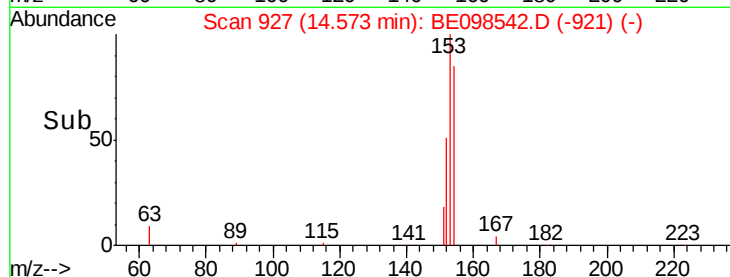
152 58.4 45.5 68.3



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: 0.425 ng

RT: 15.55 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

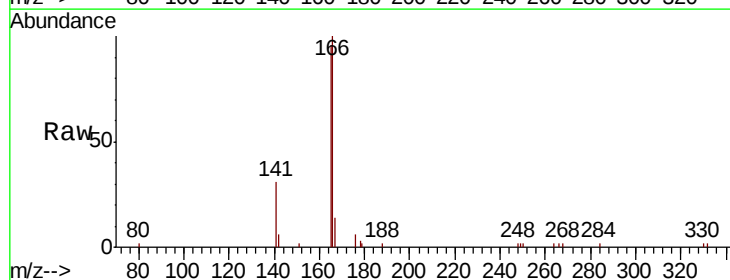
Tgt Ion:166 Resp: 4293

Ion Ratio Lower Upper

166 100

165 97.9 79.3 118.9

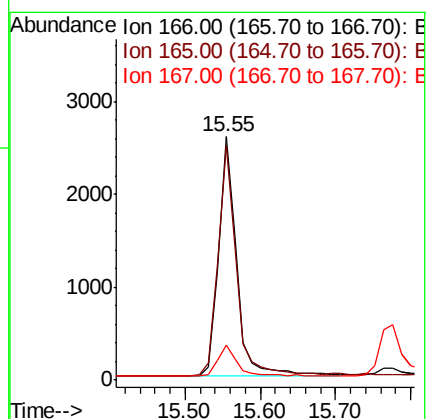
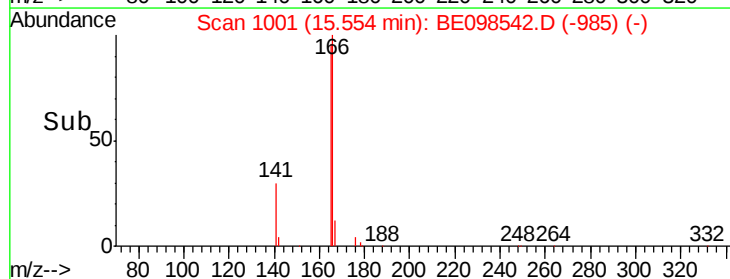
167 13.6 11.3 16.9

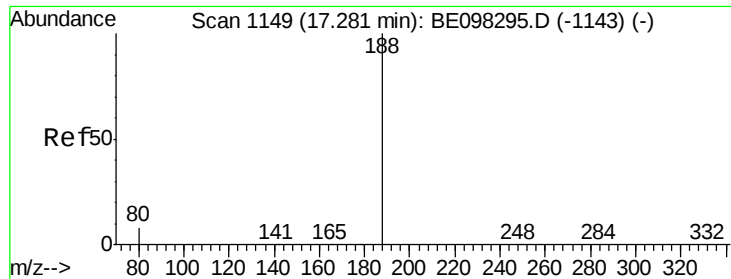


Abundance Ion 166.00 (165.70 to 166.70): E

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. -0.03 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

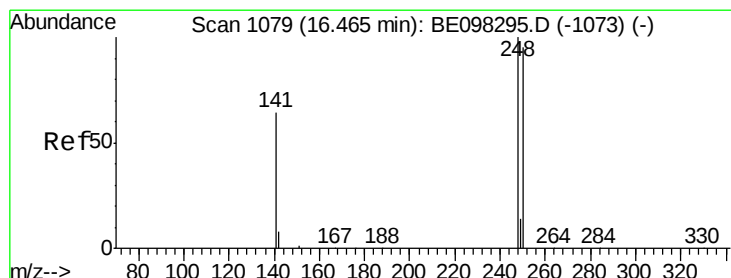
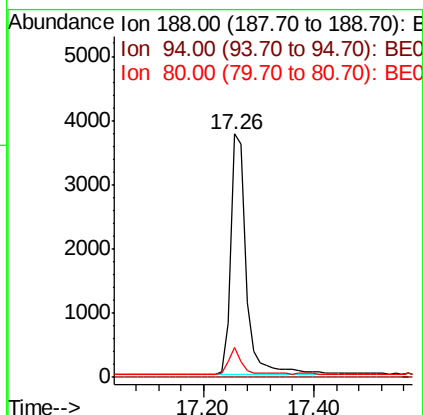
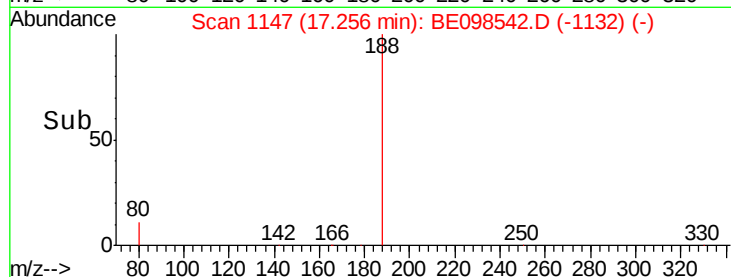
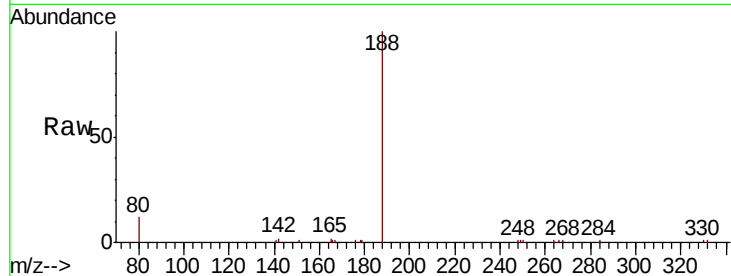
Tgt Ion:188 Resp: 7390

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 7.2 10.8#



#20

4-Bromophenyl-phenylether

Concen: 0.400 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

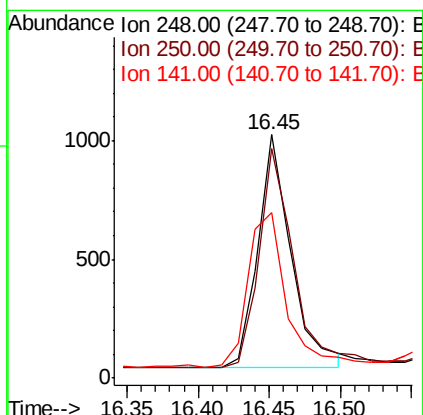
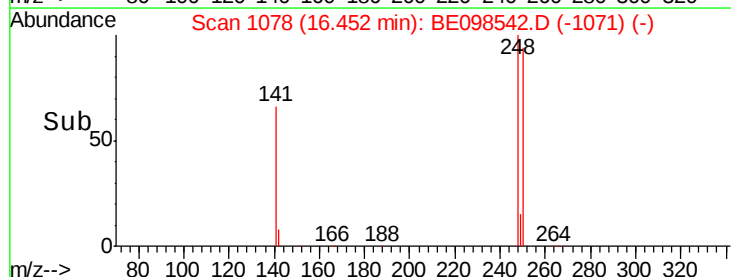
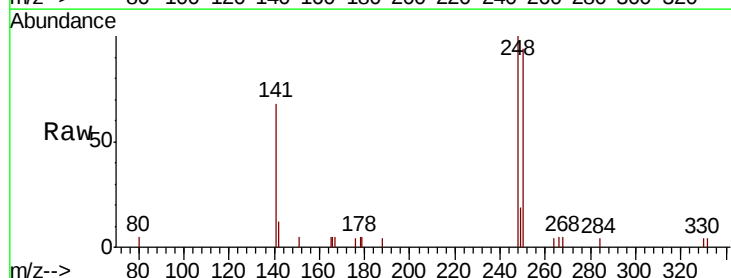
Tgt Ion:248 Resp: 1592

Ion Ratio Lower Upper

248 100

250 94.2 71.0 106.6

141 68.0 62.1 93.1





#21

Hexachlorobenzene

Concen: 0.442 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

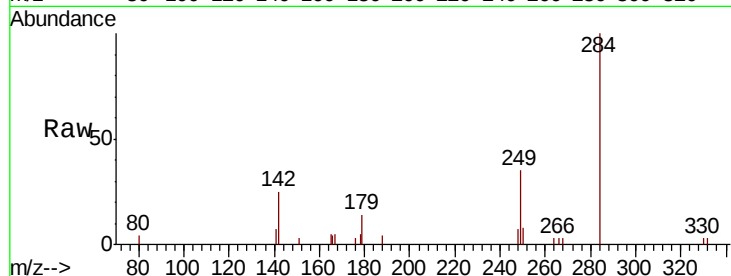
Tgt Ion:284 Resp: 1891

Ion Ratio Lower Upper

284 100

142 35.1 26.3 39.5

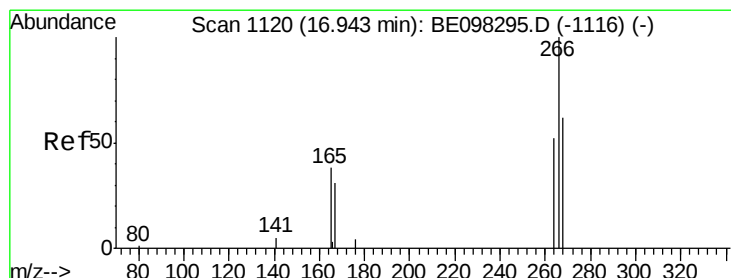
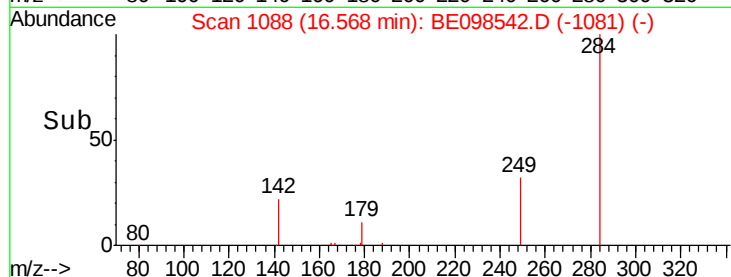
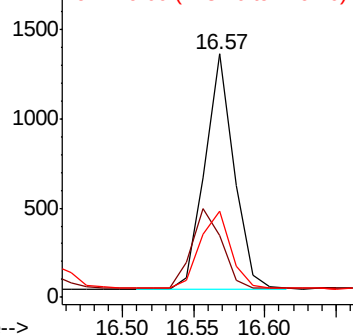
249 34.5 26.0 39.0



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: 0.629 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

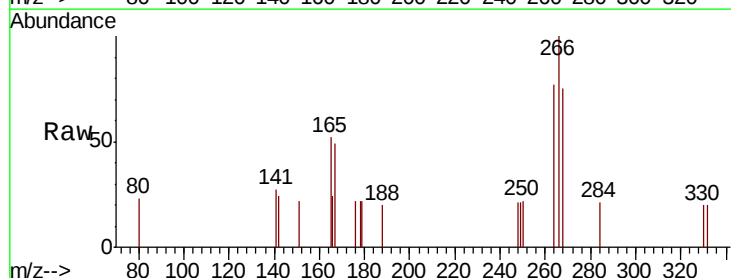
Tgt Ion:266 Resp: 468

Ion Ratio Lower Upper

266 100

264 77.3 59.0 88.4

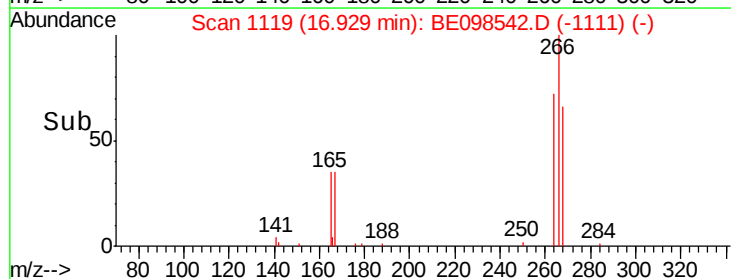
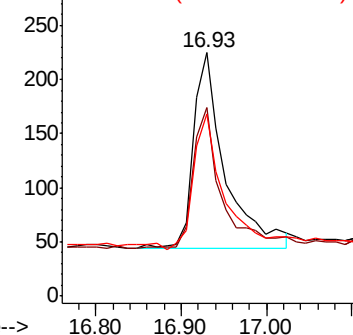
268 74.7 55.1 82.7



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: 0.414 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

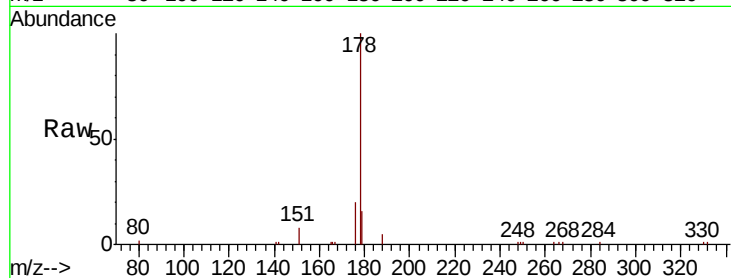
Tgt Ion:178 Resp: 7442

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

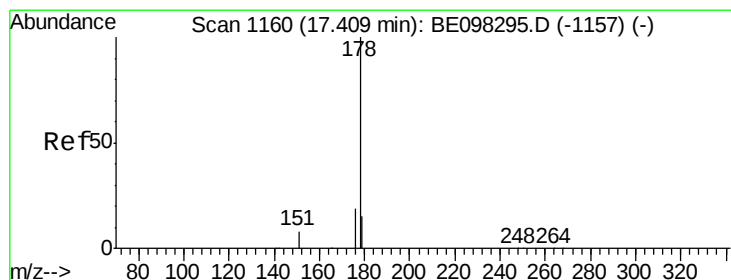
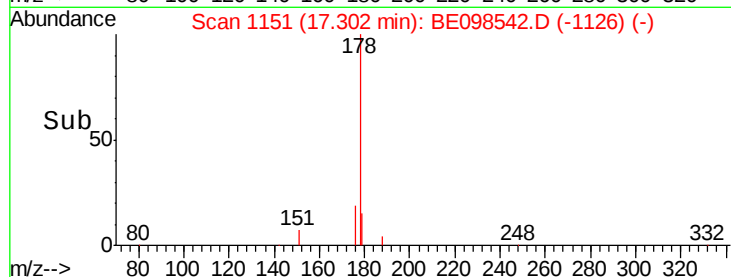
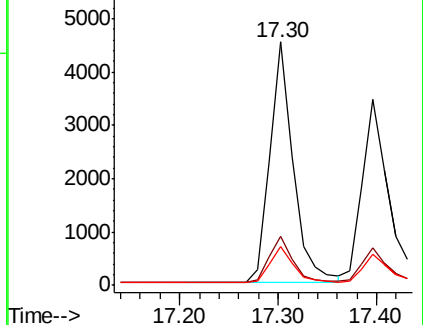
179 15.4 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.371 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

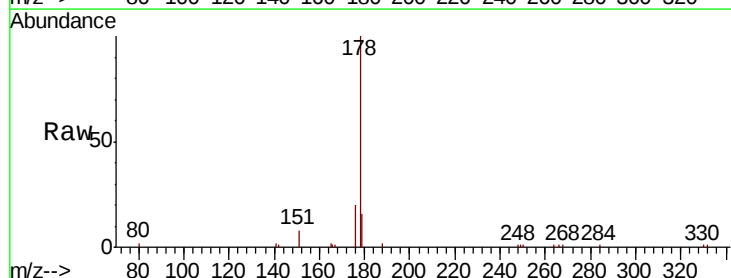
Tgt Ion:178 Resp: 5939

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

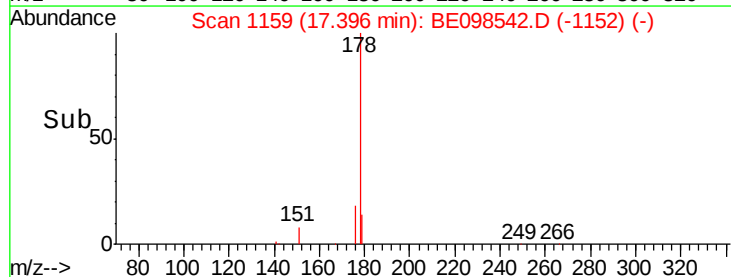
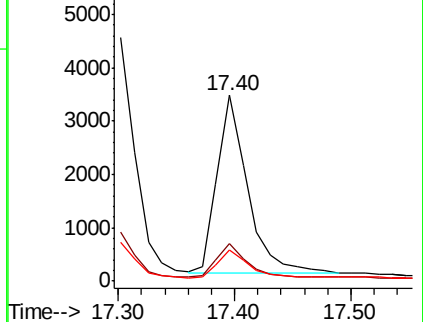
179 15.8 12.3 18.5

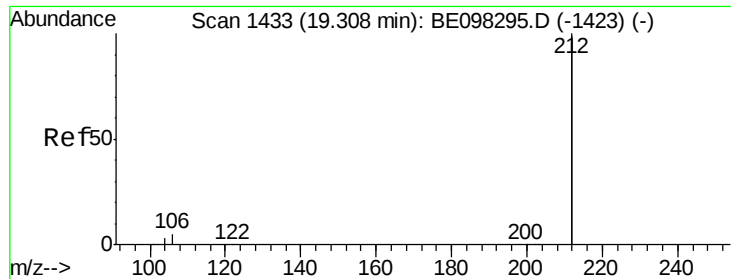


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

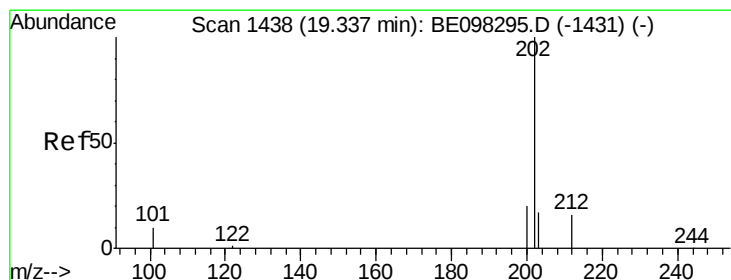
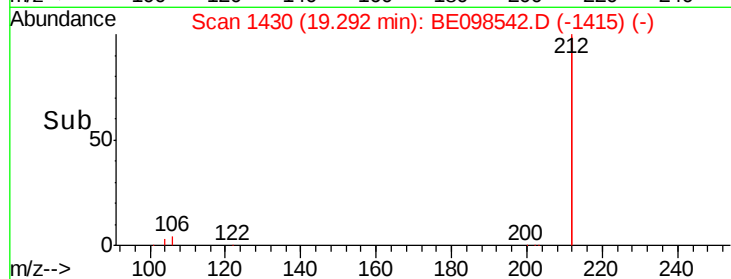
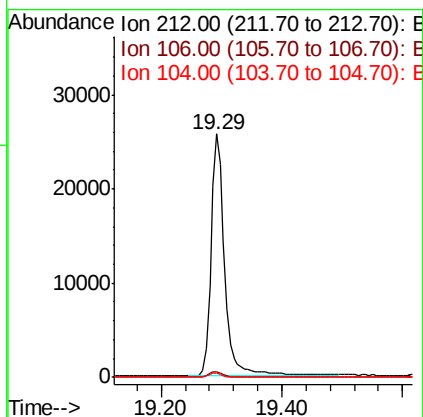
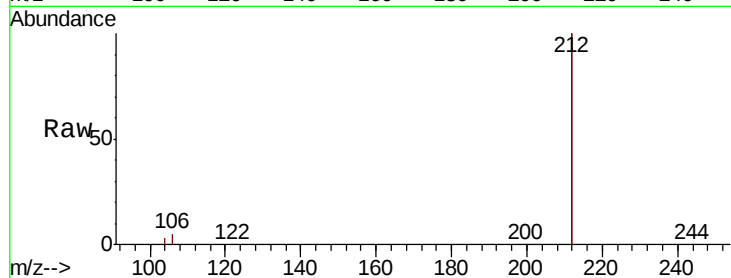




#25
 Fluoranthene-d10
 Concen: 0.424 ng
 RT: 19.29 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BE098542.D
 Acq: 20 Dec 2018 17:00

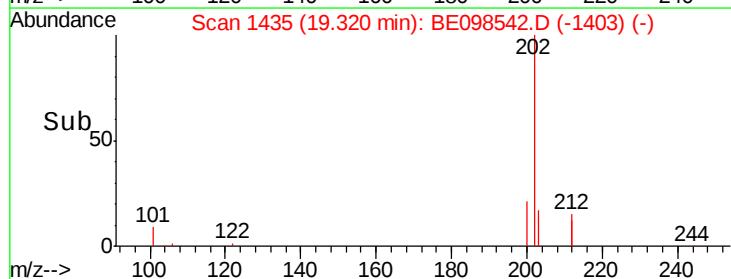
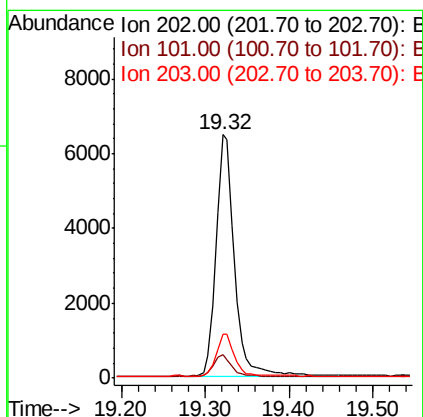
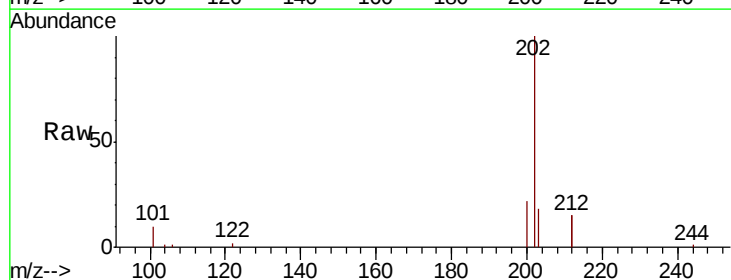
Instrument :
 BNA_E
 ClientSampleId :
 PB115586BS

Tgt Ion: 212 Resp: 40221
 Ion Ratio Lower Upper
 212 100
 106 2.3 2.2 3.2
 104 1.3 1.3 1.9



#26
 Fluoranthene
 Concen: 0.418 ng
 RT: 19.32 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BE098542.D
 Acq: 20 Dec 2018 17:00

Tgt Ion: 202 Resp: 9927
 Ion Ratio Lower Upper
 202 100
 101 9.2 8.0 12.0
 203 17.2 13.8 20.6

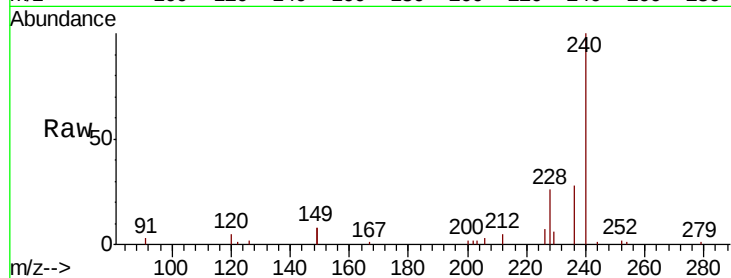




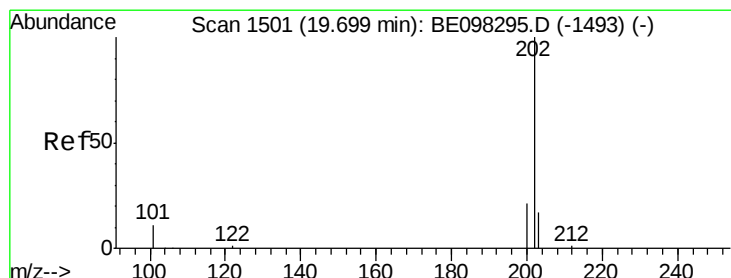
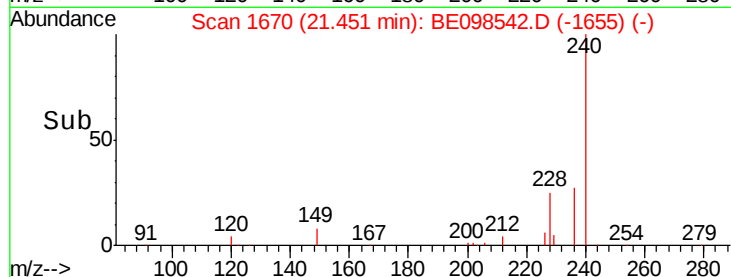
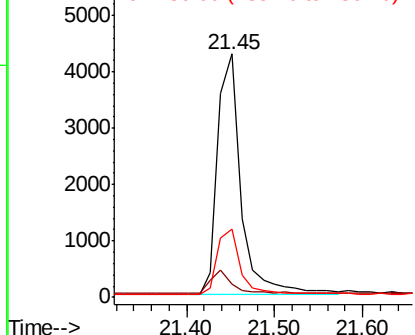
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.45 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BE098542.D
 Acq: 20 Dec 2018 17:00

Instrument :
 BNA_E
 ClientSampleId :
 PB115586BS

Tgt Ion:240 Resp: 7960
 Ion Ratio Lower Upper
 240 100
 120 5.5 9.5 14.3#
 236 27.8 22.7 34.1

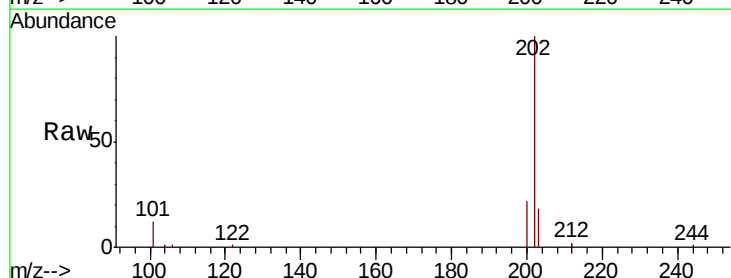


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

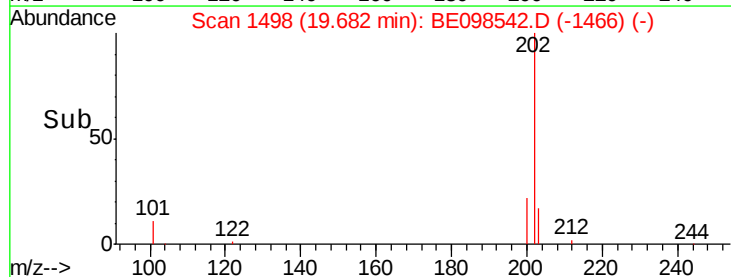
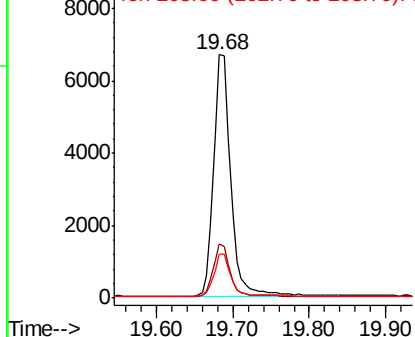


#28
 Pyrene
 Concen: 0.415 ng
 RT: 19.68 min Scan# 1498
 Delta R.T. -0.02 min
 Lab File: BE098542.D
 Acq: 20 Dec 2018 17:00

Tgt Ion:202 Resp: 10357
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.7 25.1
 203 16.9 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.414 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

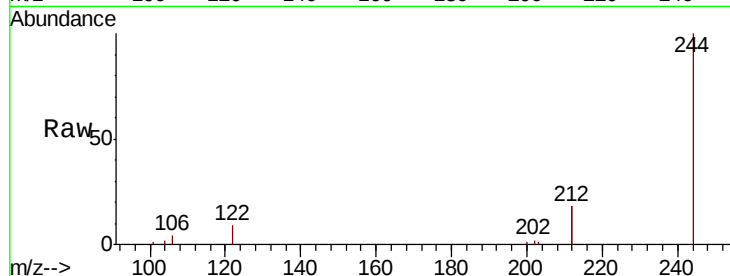
Tgt Ion:244 Resp: 8008

Ion Ratio Lower Upper

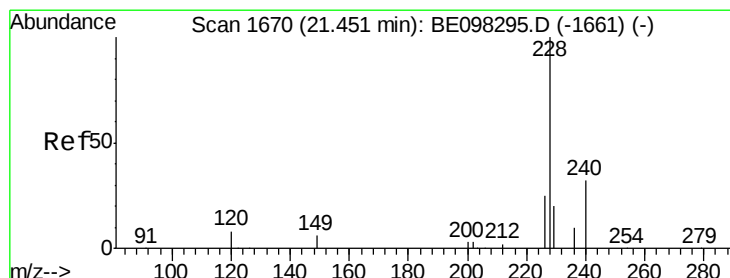
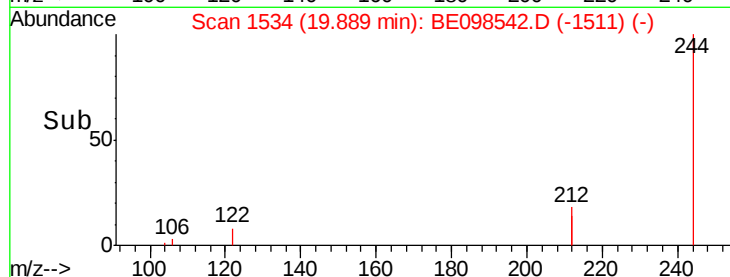
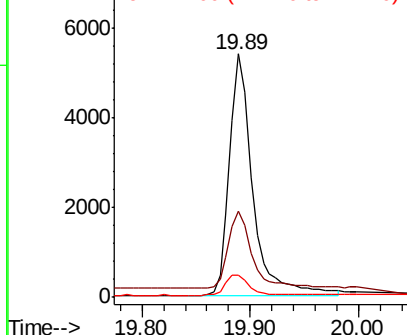
244 100

212 35.6 27.4 41.0

122 9.3 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: 0.404 ng

RT: 21.43 min Scan# 1668

Delta R.T. -0.02 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

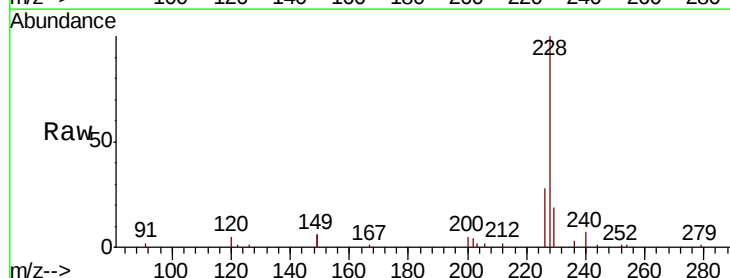
Tgt Ion:228 Resp: 9154

Ion Ratio Lower Upper

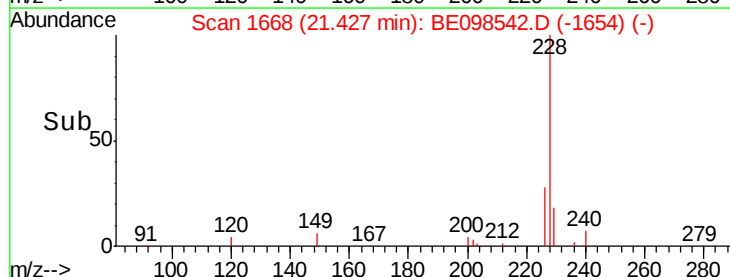
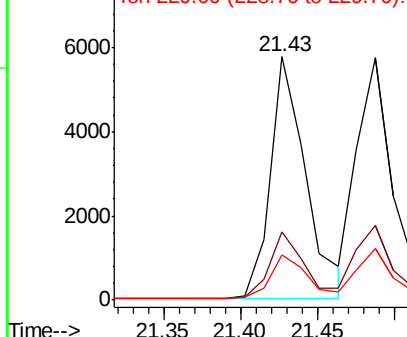
228 100

226 28.1 21.8 32.8

229 18.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.387 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

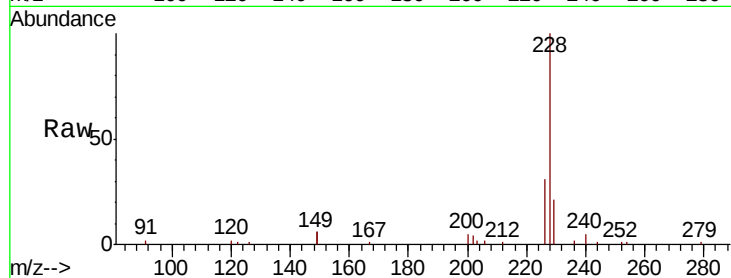
Tgt Ion:228 Resp: 9199

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

229 21.2 16.2 24.4

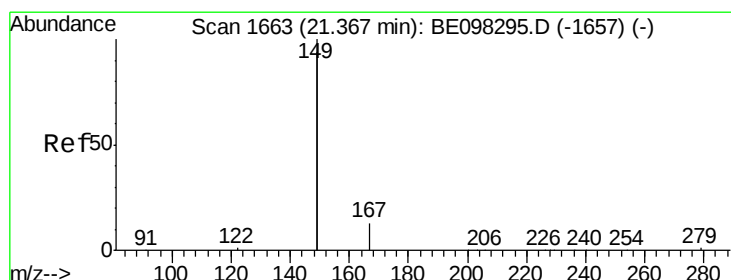
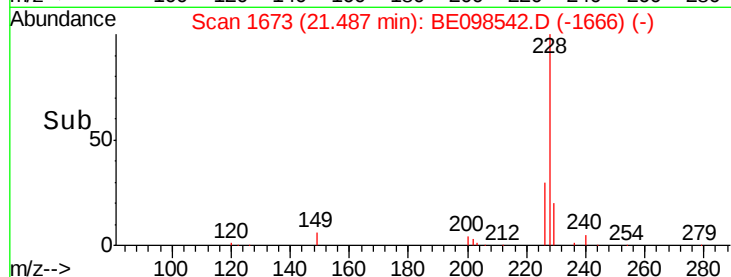
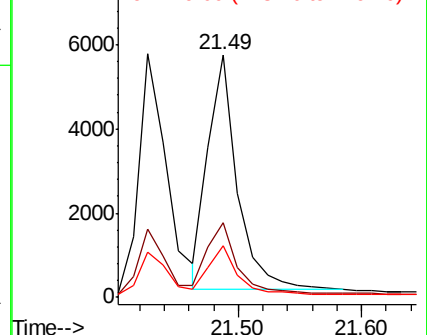


Abundance

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: 0.330 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

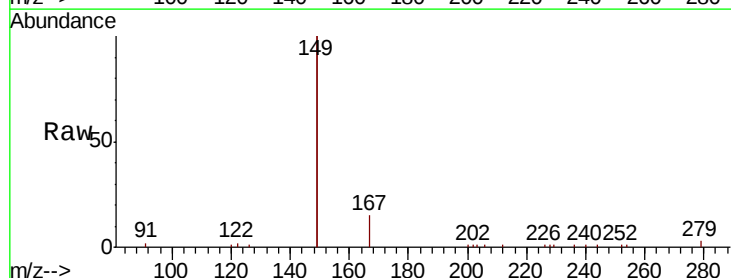
Tgt Ion:149 Resp: 15188

Ion Ratio Lower Upper

149 100

167 6.8 5.7 8.5

279 1.1 1.0 1.4

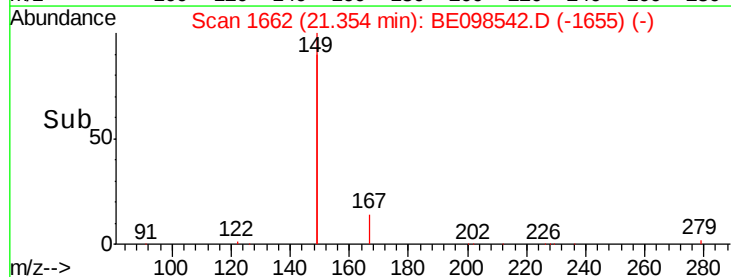
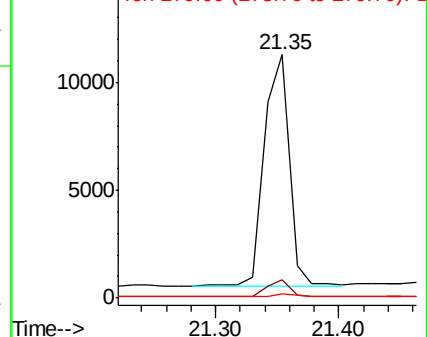


Abundance

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

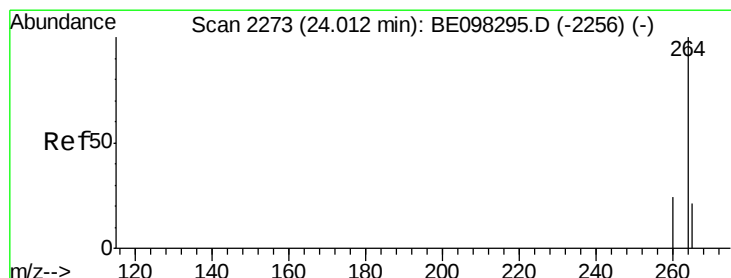
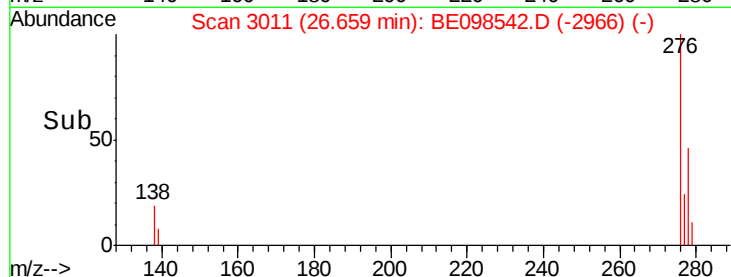
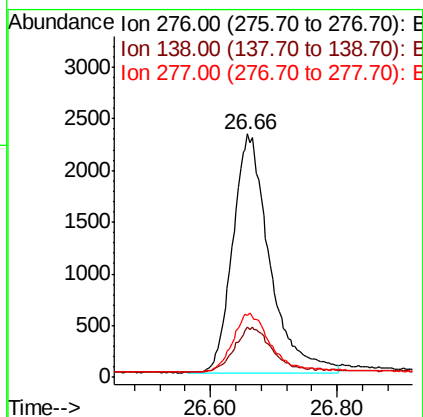
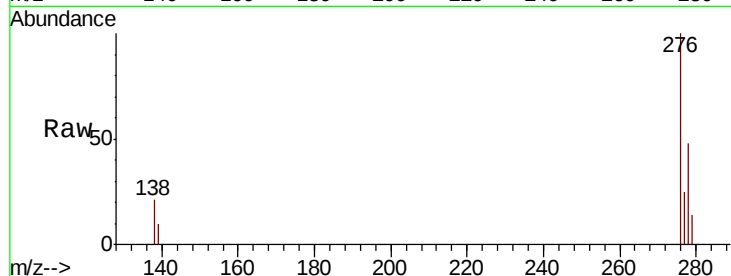




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.394 ng
 RT: 26.66 min Scan# 3011
 Delta R.T. -0.04 min
 Lab File: BE098542.D
 Acq: 20 Dec 2018 17:00

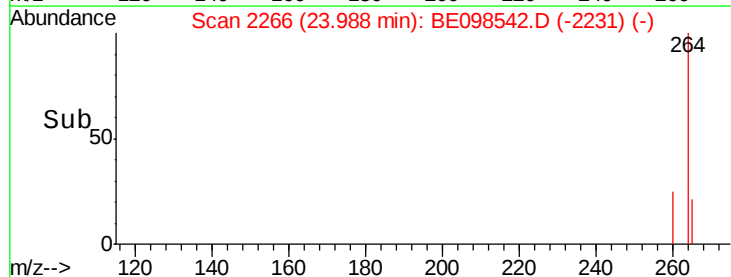
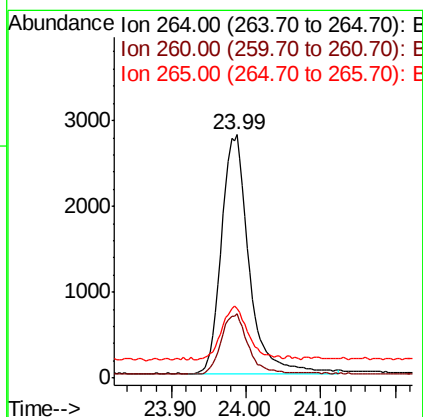
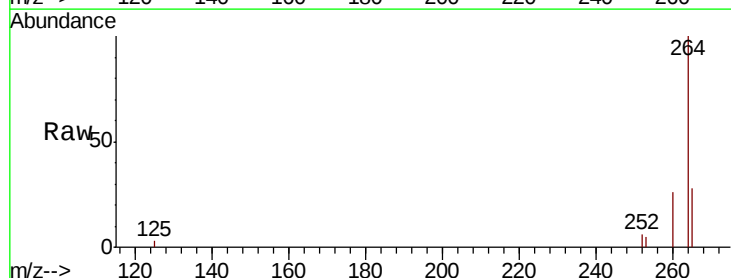
Instrument :
 BNA_E
 ClientSampleId :
 PB115586BS

Tgt Ion: 276 Resp: 9303
 Ion Ratio Lower Upper
 276 100
 138 18.7 16.3 24.5
 277 24.7 20.2 30.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.99 min Scan# 2266
 Delta R.T. -0.02 min
 Lab File: BE098542.D
 Acq: 20 Dec 2018 17:00

Tgt Ion: 264 Resp: 7127
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.2 30.2
 265 28.5 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.403 ng

RT: 23.21 min Scan# 2047

Delta R.T. -0.02 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

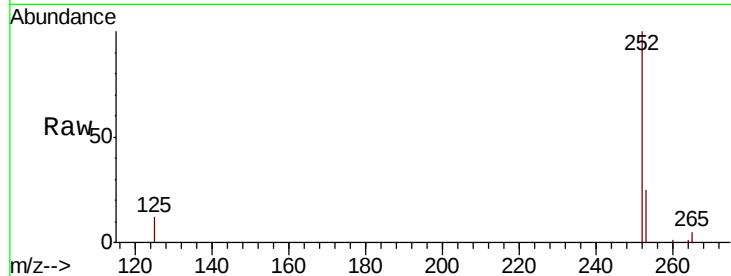
Tgt Ion:252 Resp: 7850

Ion Ratio Lower Upper

252 100

253 24.7 20.0 30.0

125 12.2 9.6 14.4

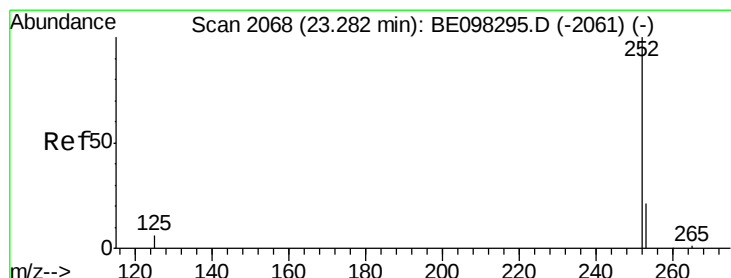
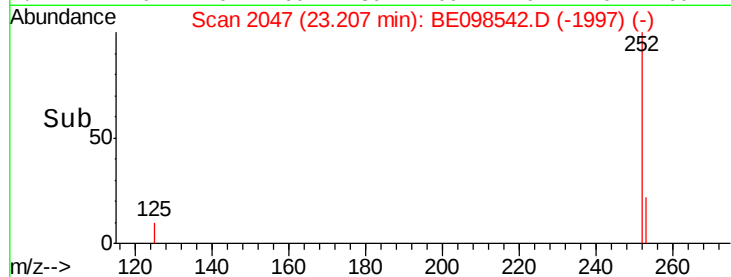
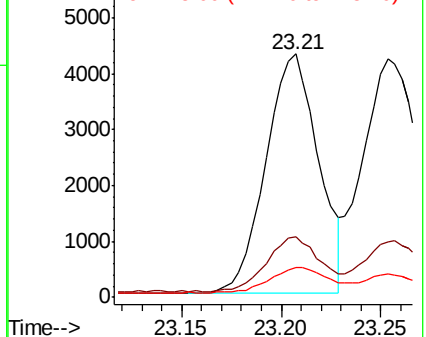


Abundance

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: 0.401 ng

RT: 23.25 min Scan# 2060

Delta R.T. -0.03 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

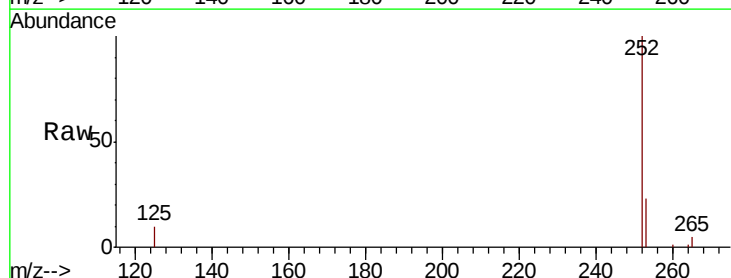
Tgt Ion:252 Resp: 9104

Ion Ratio Lower Upper

252 100

253 23.5 19.0 28.6

125 9.8 9.1 13.7

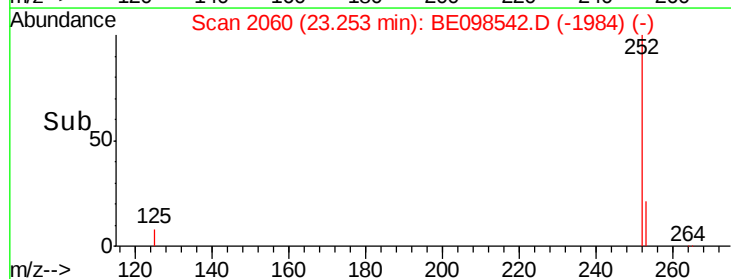
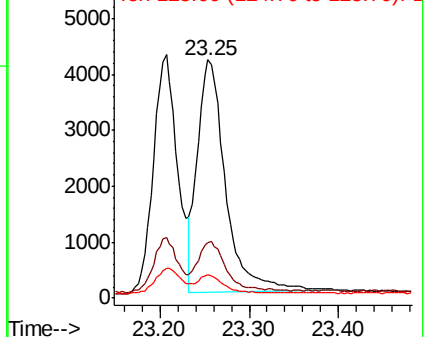


Abundance

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: 0.390 ng

RT: 23.87 min Scan# 2233

Delta R.T. -0.03 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS

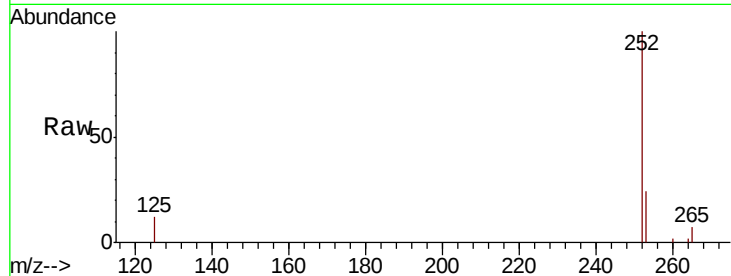
Tgt Ion:252 Resp: 7840

Ion Ratio Lower Upper

252 100

253 24.2 20.6 30.8

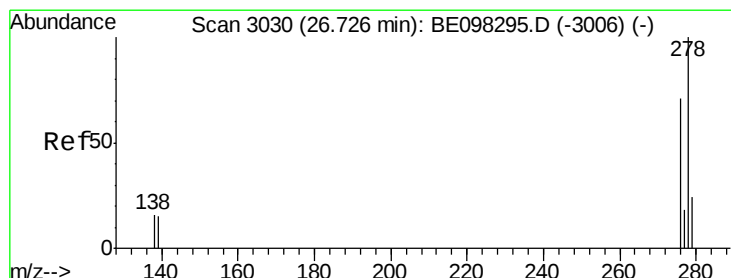
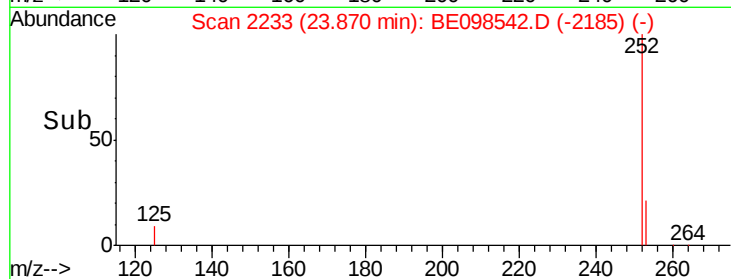
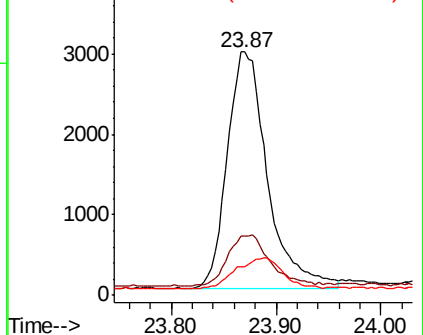
125 11.9 10.5 15.7



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: 0.406 ng

RT: 26.68 min Scan# 3018

Delta R.T. -0.04 min

Lab File: BE098542.D

Acq: 20 Dec 2018 17:00

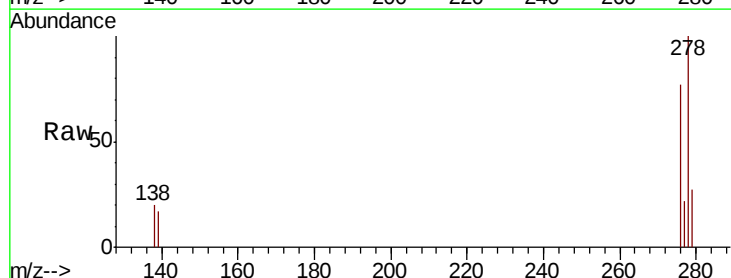
Tgt Ion:278 Resp: 7690

Ion Ratio Lower Upper

278 100

139 17.4 14.5 21.7

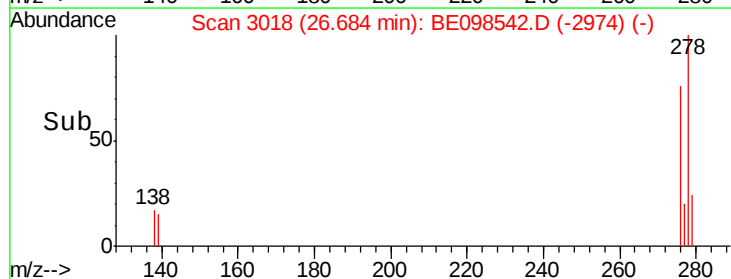
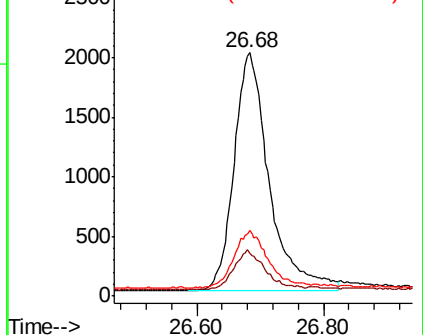
279 26.8 21.8 32.8



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(g,h,i)perylene

Concen: 0.420 ng

RT: 27.48 min Scan# 3241

Delta R.T. -0.04 min

Lab File: BE098542.D

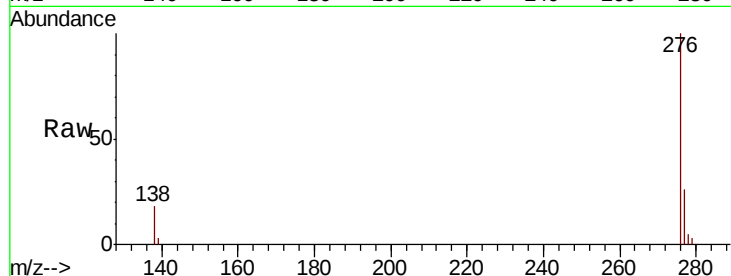
Acq: 20 Dec 2018 17:00

Instrument :

BNA_E

ClientSampleId :

PB115586BS



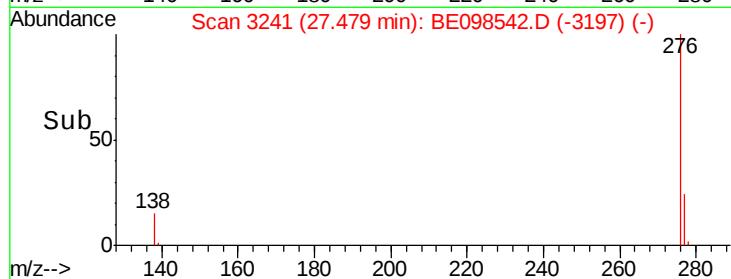
Tgt Ion: 276 Resp: 8021

Ion Ratio Lower Upper

276 100

277 26.1 20.8 31.2

138 17.6 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

