

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099106.D
 Acq On : 23 Mar 2019 11:23
 Operator : JU/SJ
 Sample : PB118177BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB118177BS

Quant Time: Mar 23 22:35:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	4348	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	16170	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	10054	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	23903	0.40	ng	0.00
27) Chrysene-d12	21.39	240	31528	0.40	ng	0.00
34) Perylene-d12	23.90	264	37507	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4776	0.37	ng	0.00
5) Phenol-d6	6.99	99	6383	0.34	ng	0.00
8) Nitrobenzene-d5	8.99	82	4081	0.58	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	14541	0.50	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1203	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13996	0.35	ng	-0.01
25) Fluoranthene-d10	19.24	212	91639	0.29	ng	0.00
29) Terphenyl-d14	19.84	244	18543	0.28	ng	0.00

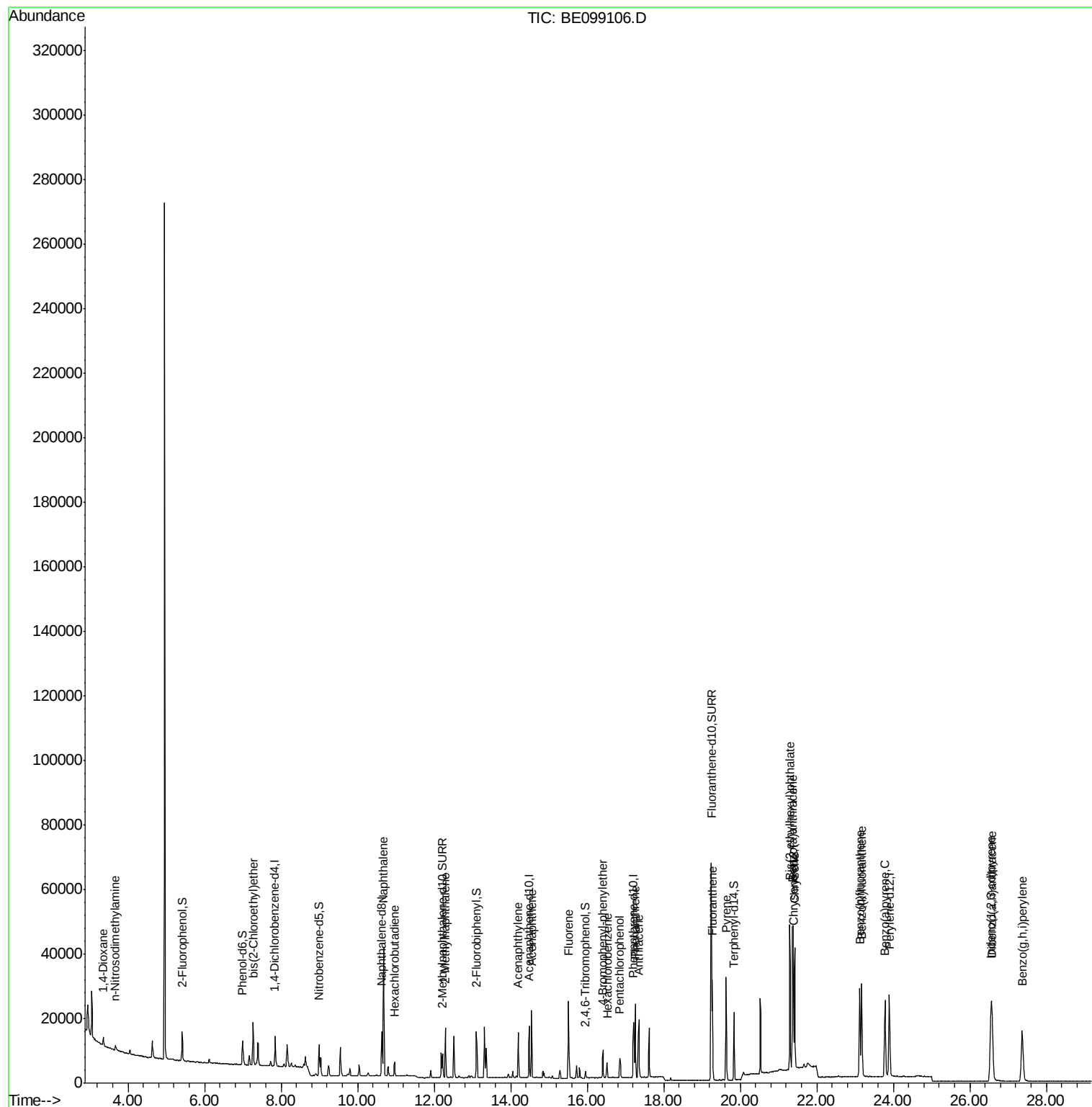
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	1688	0.250	ng	# 79
3) n-Nitrosodimethylamine	3.67	42	1122	0.322	ng	# 94
6) bis(2-Chloroethyl)ether	7.27	93	5116	0.338	ng	87
9) Naphthalene	10.68	128	62015	0.325	ng	99
10) Hexachlorobutadiene	10.97	225	3089	0.331	ng	98
12) 2-Methylnaphthalene	12.30	142	10441	0.320	ng	96
16) Acenaphthylene	14.20	152	15932	0.297	ng	98
17) Acenaphthene	14.54	154	9934	0.312	ng	98
18) Fluorene	15.51	166	13201	0.284	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	4753	0.359	ng	# 69
21) Hexachlorobenzene	16.52	284	4441	0.361	ng	91
22) Pentachlorophenol	16.85	266	3347	0.916	ng	# 75
23) Phenanthrene	17.25	178	22562	0.318	ng	98
24) Anthracene	17.35	178	20889	0.311	ng	99
26) Fluoranthene	19.27	202	27381	0.274	ng	99
28) Pyrene	19.63	202	28980	0.271	ng	99
30) Benzo(a)anthracene	21.37	228	35478	0.319	ng	97
31) Chrysene	21.43	228	35242	0.318	ng	100
32) Bis(2-ethylhexyl)phthalate	21.29	149	45869	0.318	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	45022	0.377	ng	99
35) Benzo(b)fluoranthene	23.12	252	39111	0.301	ng	98
36) Benzo(k)fluoranthene	23.17	252	40767	0.321	ng	98
37) Benzo(a)pyrene	23.78	252	38430	0.320	ng	95
38) Dibenzo(a,h)anthracene	26.58	278	37157	0.319	ng	# 95
39) Benzo(g,h,i)perylene	27.37	276	38280	0.320	ng	98

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

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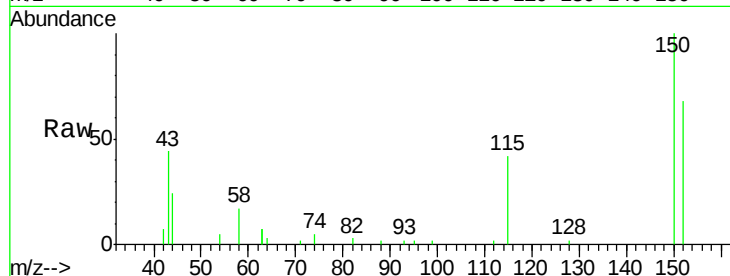


#1

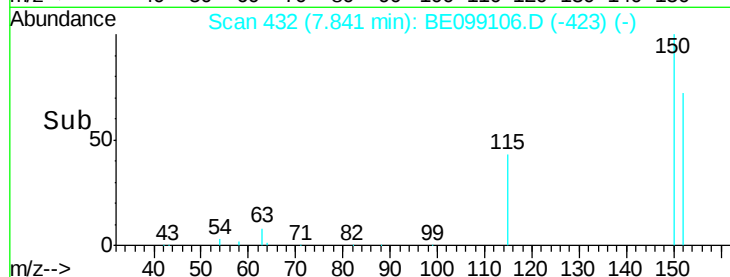
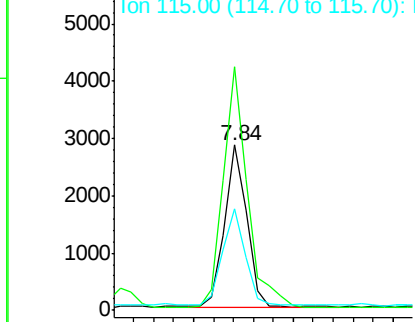
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099106.D
Acq: 23 Mar 2019 11:23

Instrument :
BNA_E
ClientSampleId :
PB118177BS

Tgt Ion: 152 Resp: 4348
Ion Ratio Lower Upper
152 100
150 147.6 122.5 183.7
115 61.8 57.4 86.2



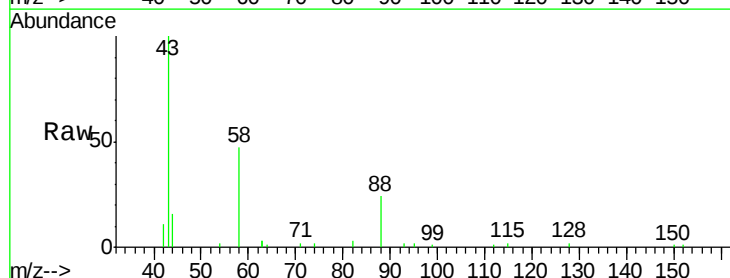
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



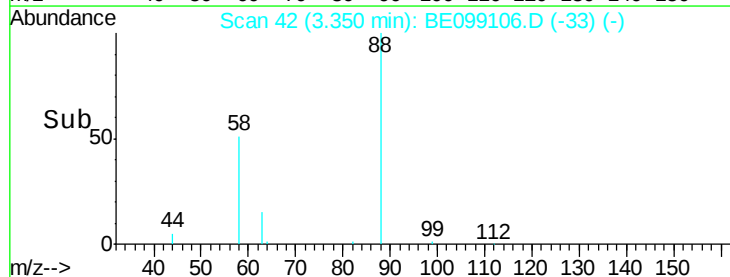
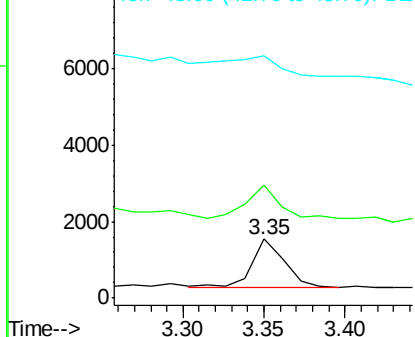
#2

1,4-Dioxane
Concen: 0.250 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE099106.D
Acq: 23 Mar 2019 11:23

Tgt Ion: 88 Resp: 1688
Ion Ratio Lower Upper
88 100
58 69.2 52.0 78.0
43 0.0 24.0 36.0#



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: 0.322 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

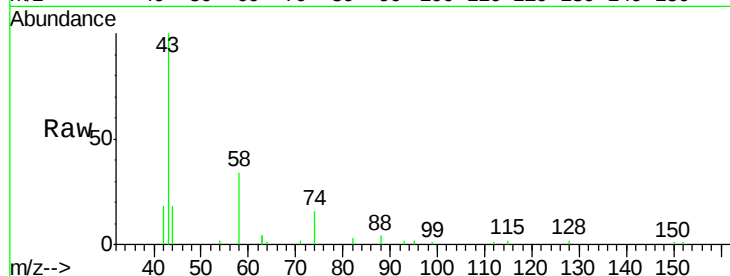
Tgt Ion: 42 Resp: 1122

Ion Ratio Lower Upper

42 100

74 191.4 160.0 240.0

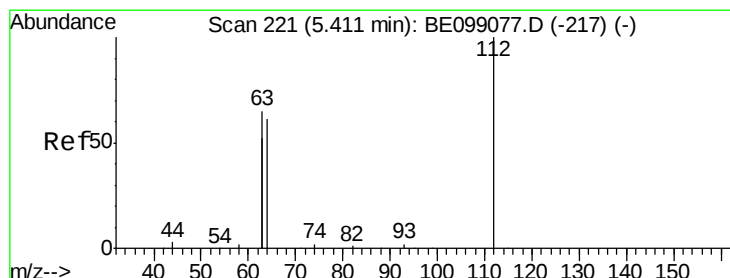
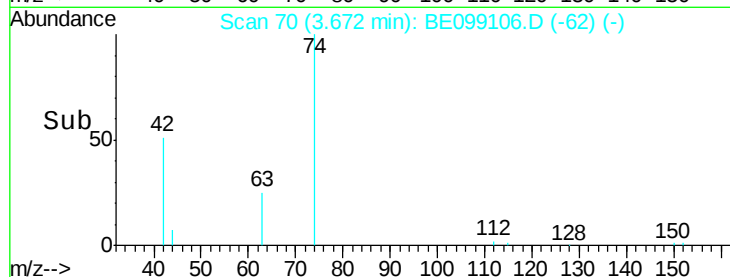
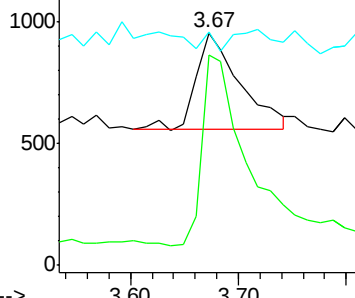
44 4.8 0.0 0.0#



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: 0.369 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

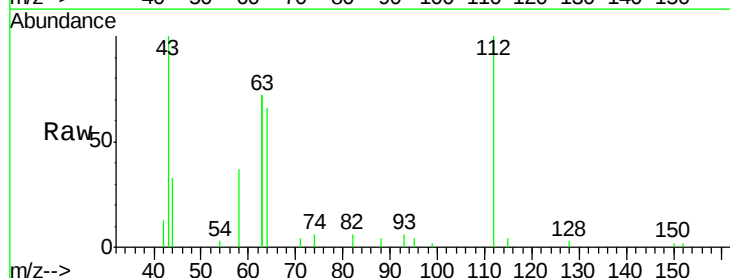
Tgt Ion: 112 Resp: 4776

Ion Ratio Lower Upper

112 100

64 57.9 57.9 86.9

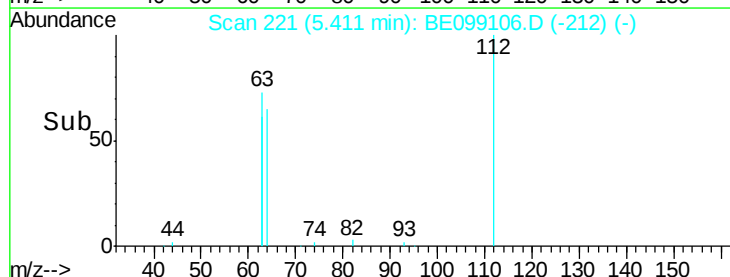
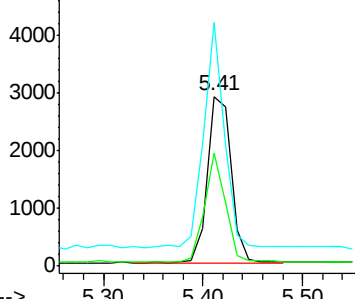
63 117.3 158.3 237.5#

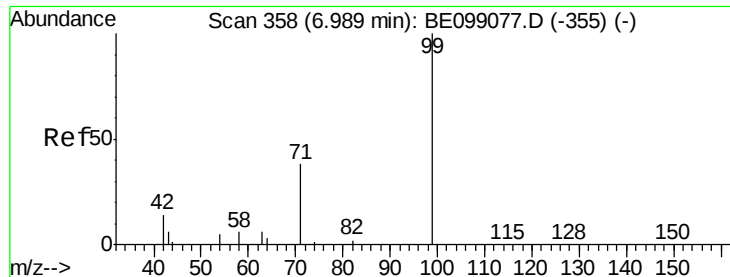


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.342 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

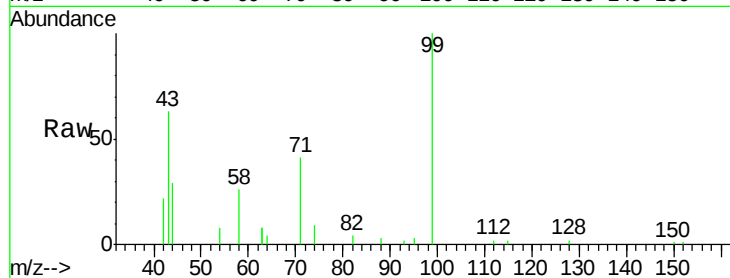
Tgt Ion: 99 Resp: 6383

Ion Ratio Lower Upper

99 100

42 16.7 24.2 36.2#

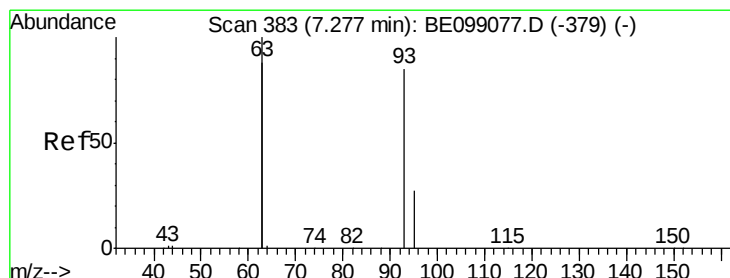
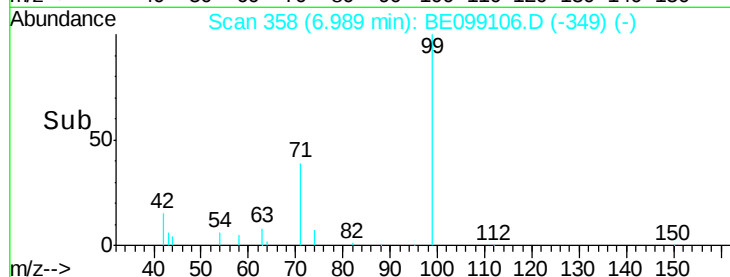
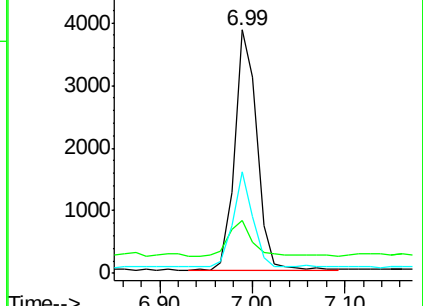
71 35.4 35.7 53.5#



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: 0.338 ng

RT: 7.27 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

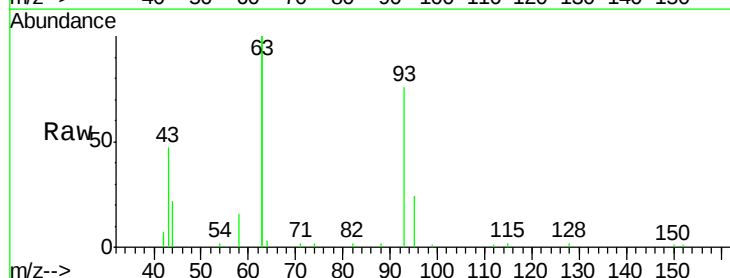
Tgt Ion: 93 Resp: 5116

Ion Ratio Lower Upper

93 100

63 282.5 247.5 371.3

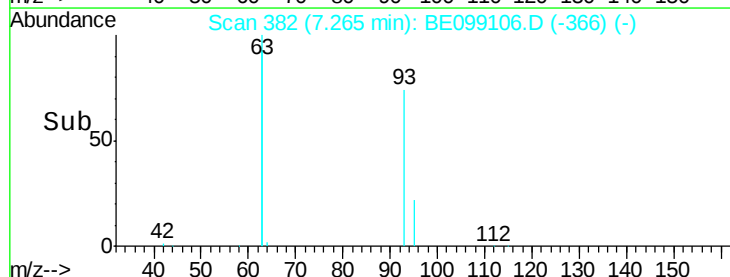
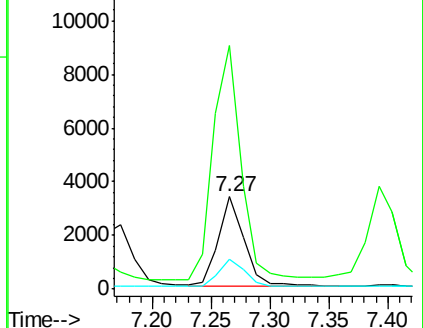
95 30.8 21.8 32.8

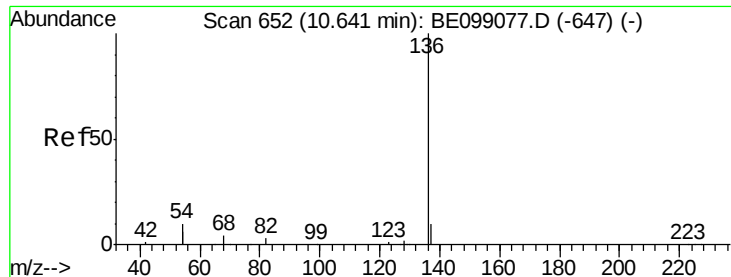


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

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Tgt Ion:136 Resp: 16170

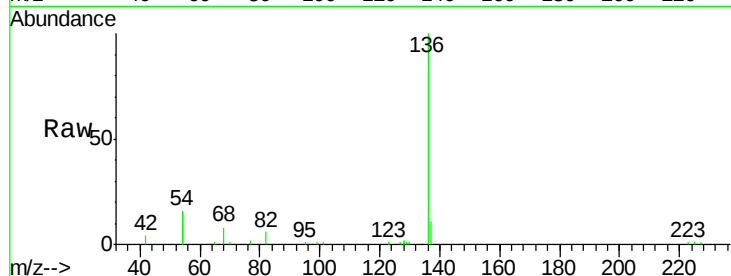
Ion Ratio Lower Upper

136 100

137 11.3 11.4 17.0#

54 31.9 39.3 58.9#

68 8.4 6.7 10.1

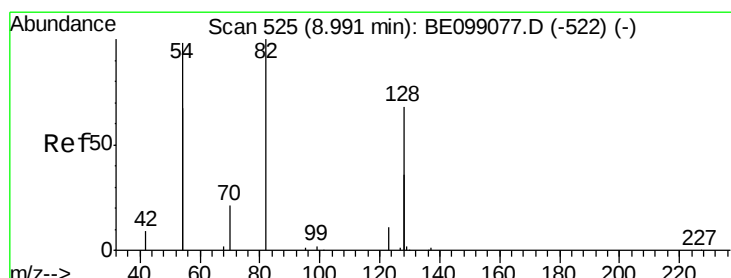
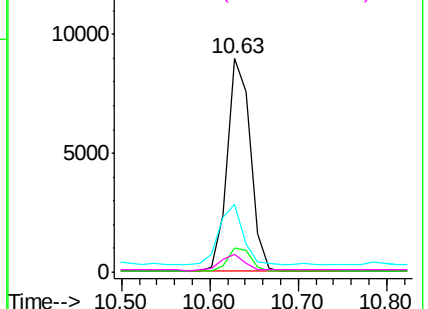
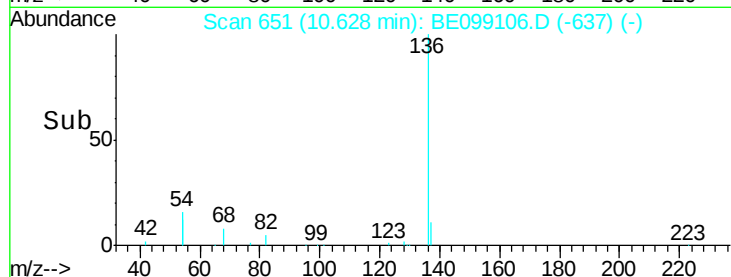


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.577 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

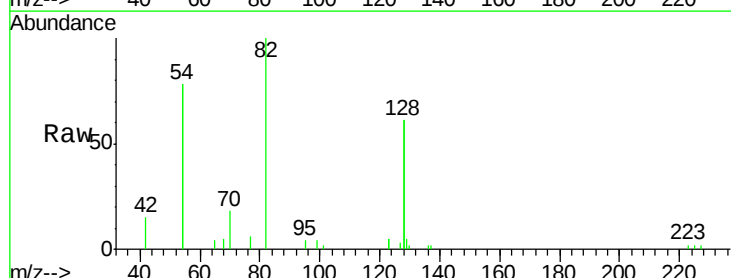
Tgt Ion: 82 Resp: 4081

Ion Ratio Lower Upper

82 100

128 123.0 123.8 185.8#

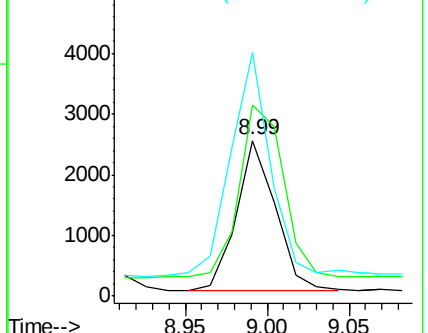
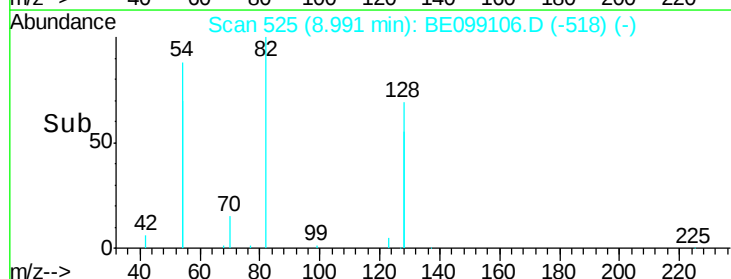
54 156.7 203.4 305.2#

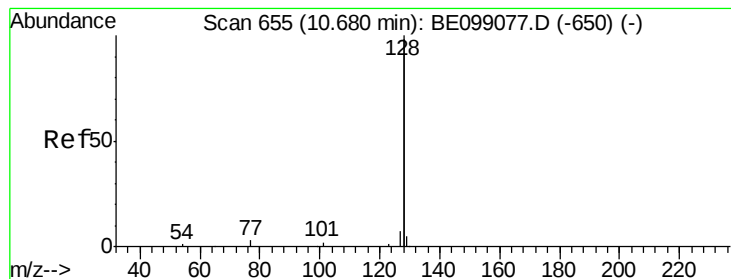


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.325 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

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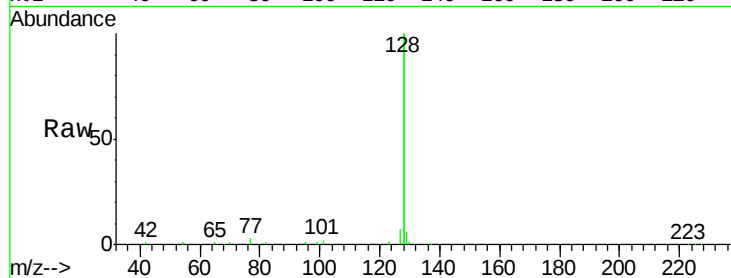
Tgt Ion:128 Resp: 62015

Ion Ratio Lower Upper

128 100

129 2.9 2.6 4.0

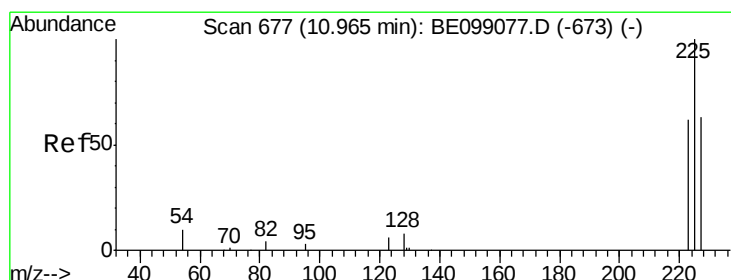
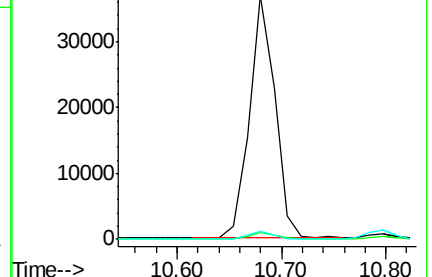
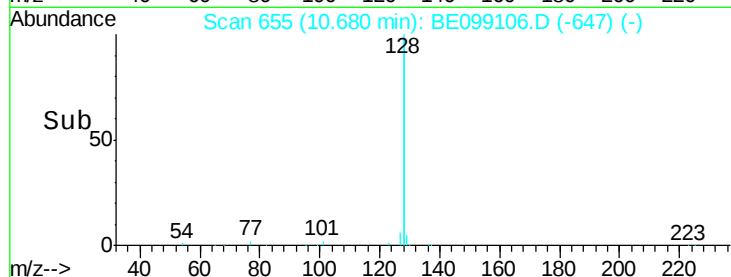
127 3.4 3.1 4.7



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: 0.331 ng

RT: 10.97 min Scan# 677

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

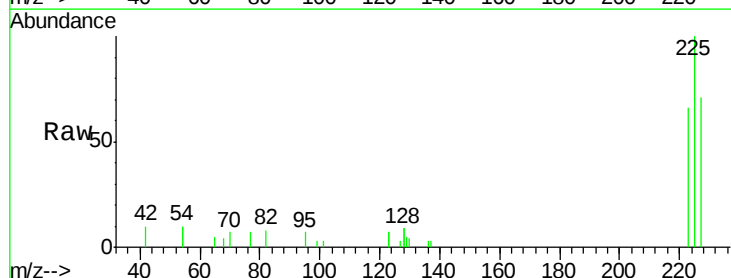
Tgt Ion:225 Resp: 3089

Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

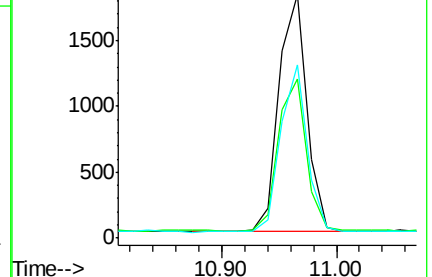
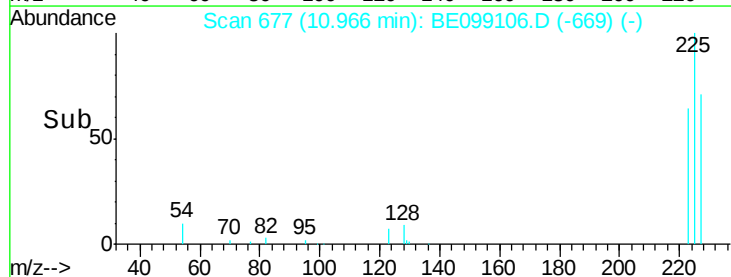
227 67.0 51.6 77.4

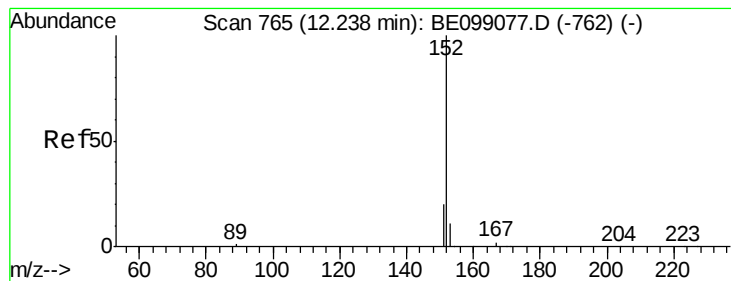


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.499 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

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ClientSampleId :

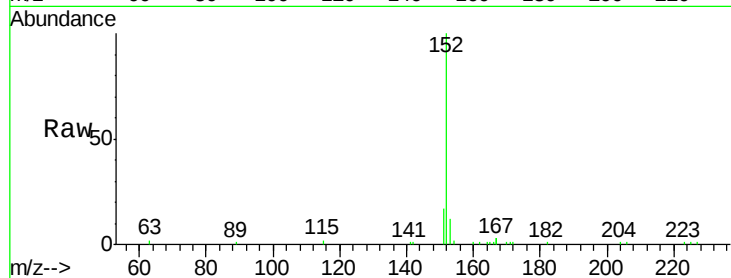
PB118177BS

Tgt Ion:152 Resp: 14541

Ion Ratio Lower Upper

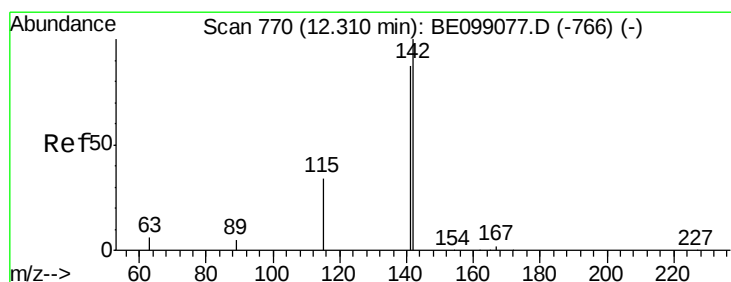
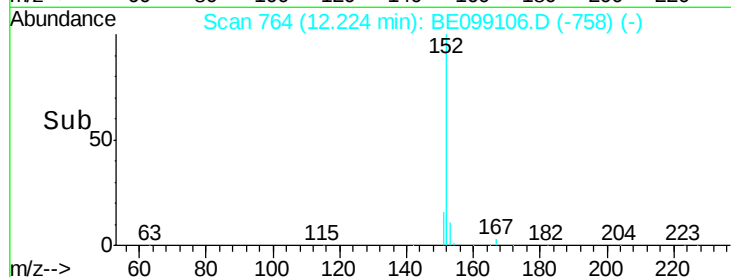
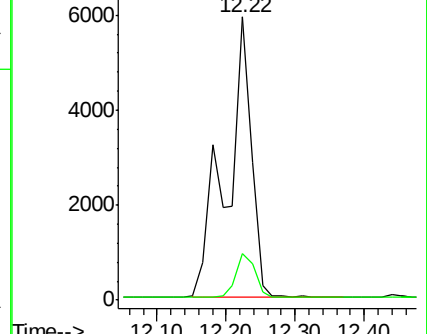
152 100

151 12.3 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.320 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

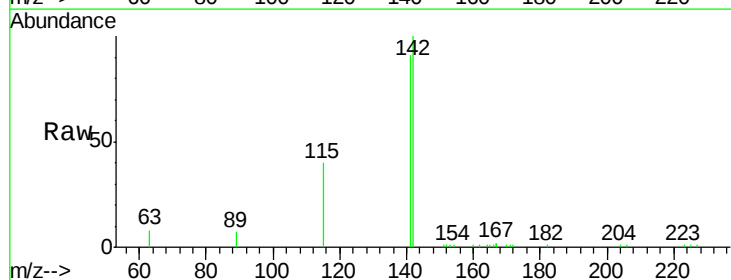
Tgt Ion:142 Resp: 10441

Ion Ratio Lower Upper

142 100

141 91.3 72.6 108.8

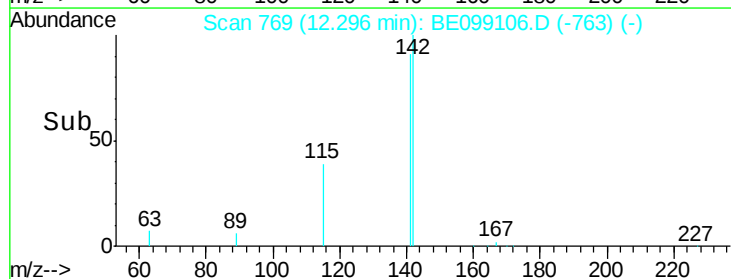
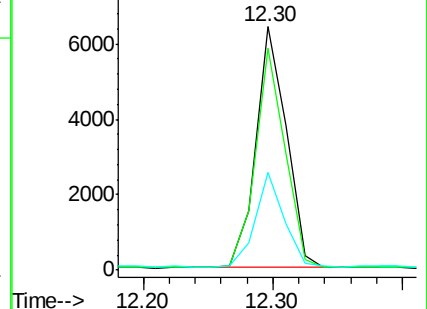
115 39.9 37.4 56.2



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

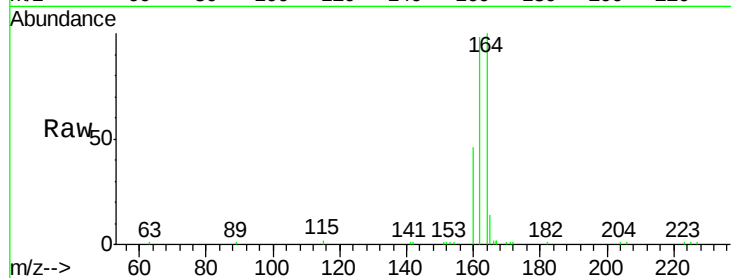




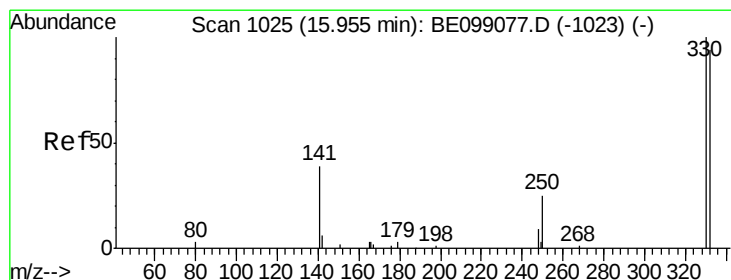
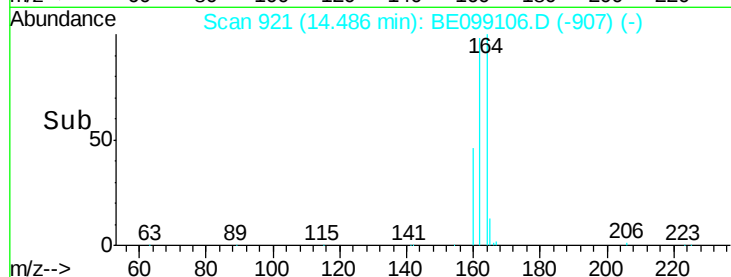
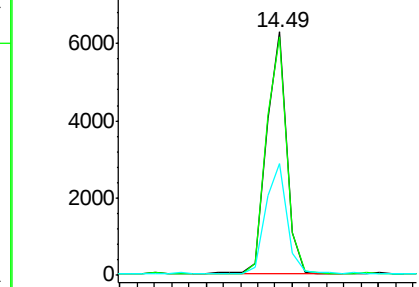
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099106.D
Acq: 23 Mar 2019 11:23

Instrument :
BNA_E
ClientSampleId :
PB118177BS

Tgt Ion:164 Resp: 10054
Ion Ratio Lower Upper
164 100
162 98.1 80.2 120.2
160 46.1 37.8 56.8

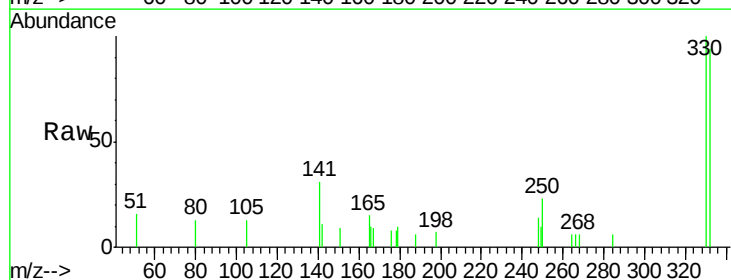


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

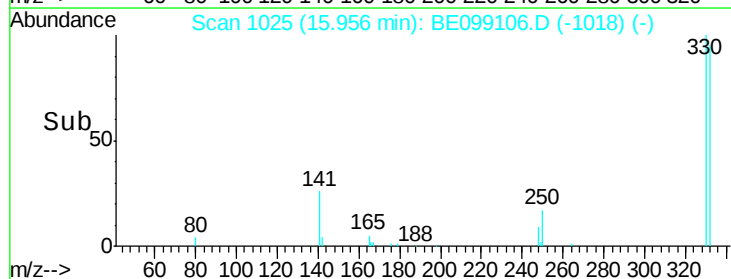
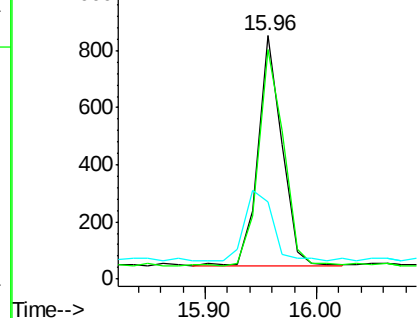


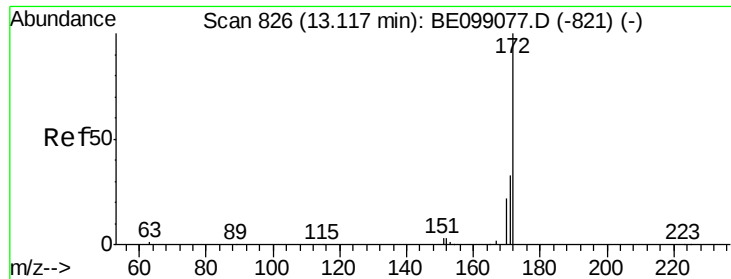
#14
2,4,6-Tribromophenol
Concen: 0.407 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099106.D
Acq: 23 Mar 2019 11:23

Tgt Ion:330 Resp: 1203
Ion Ratio Lower Upper
330 100
332 100.7 77.6 116.4
141 35.8 31.0 46.4



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

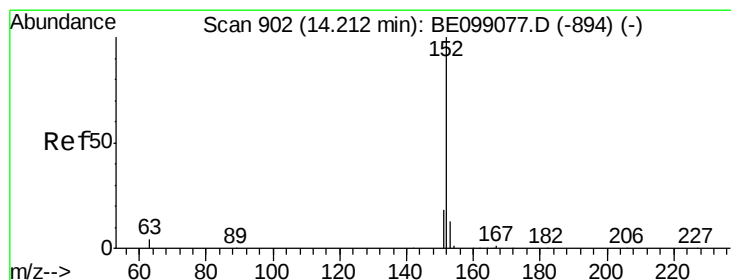
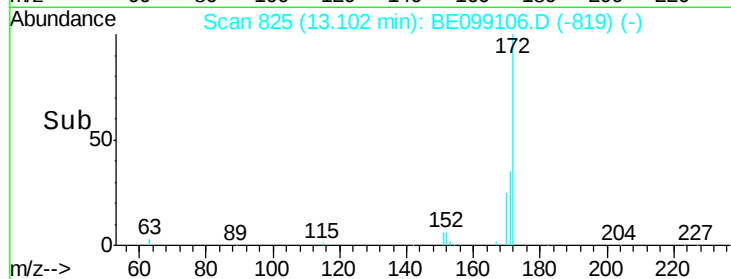
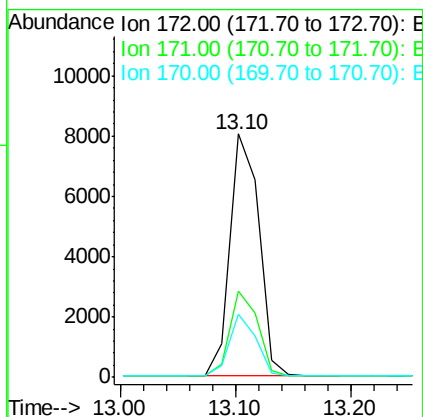
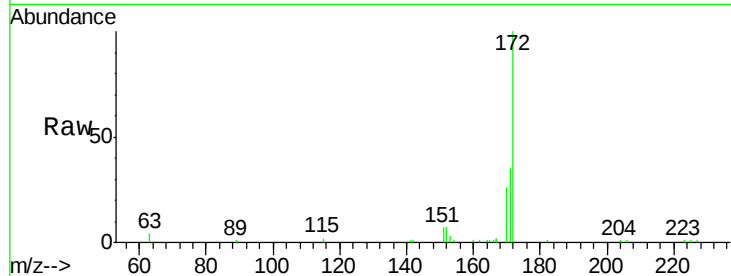




#15
2-Fluorobiphenyl
Concen: 0.350 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099106.D
Acq: 23 Mar 2019 11:23

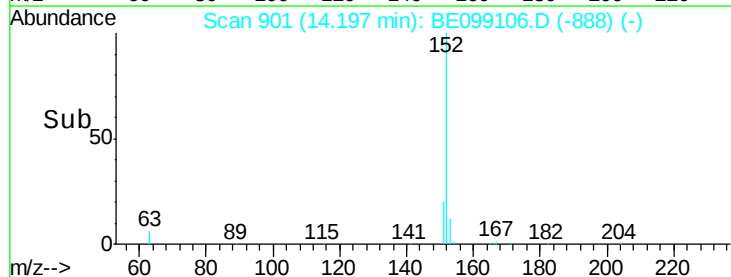
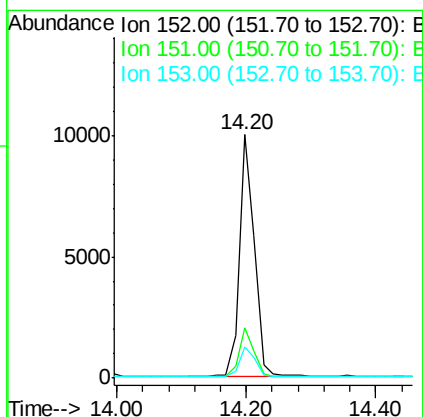
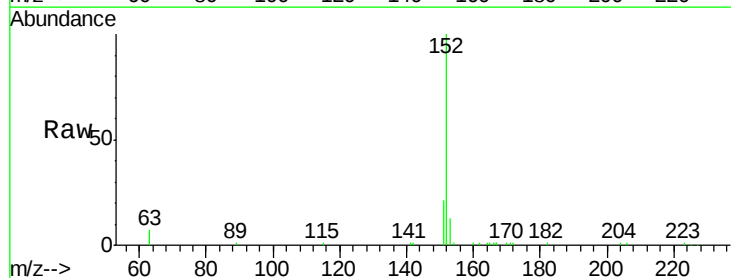
Instrument :
BNA_E
ClientSampleId :
PB118177BS

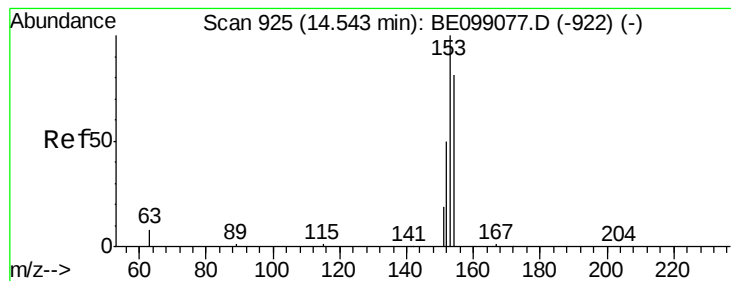
Tgt Ion:172 Resp: 13996
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 25.9 17.7 26.5



#16
Acenaphthylene
Concen: 0.297 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099106.D
Acq: 23 Mar 2019 11:23

Tgt Ion:152 Resp: 15932
Ion Ratio Lower Upper
152 100
151 20.1 17.0 25.6
153 13.0 11.2 16.8





#17

Acenaphthene

Concen: 0.312 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

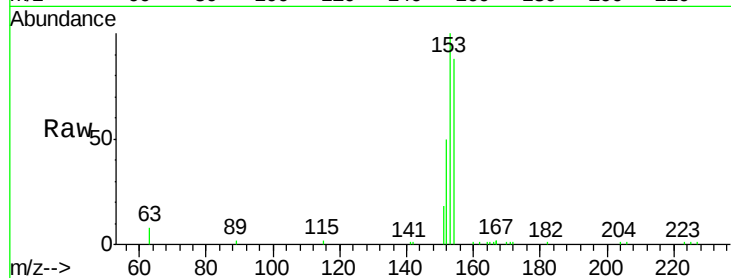
Tgt Ion:154 Resp: 9934

Ion Ratio Lower Upper

154 100

153 115.7 94.2 141.4

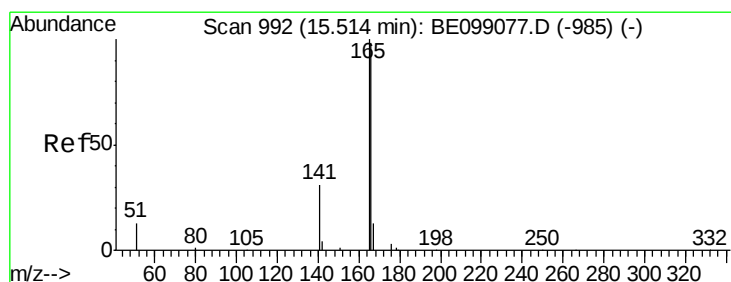
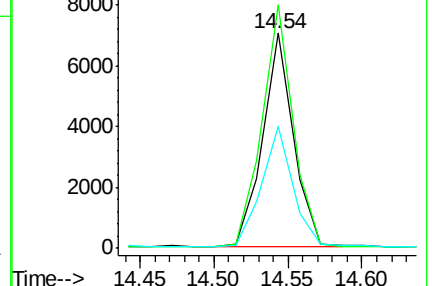
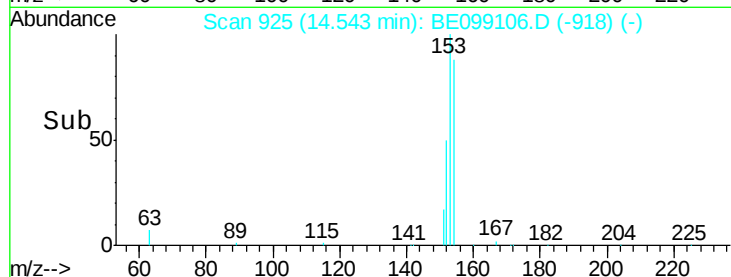
152 57.2 45.0 67.4



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: 0.284 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

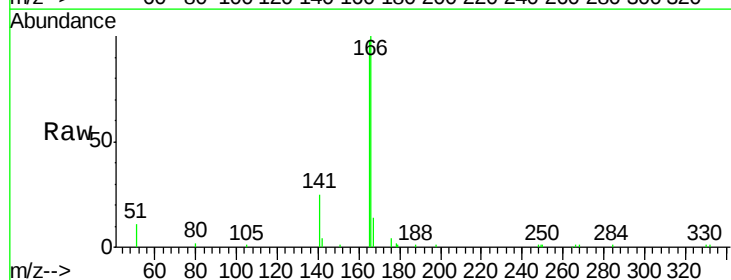
Tgt Ion:166 Resp: 13201

Ion Ratio Lower Upper

166 100

165 98.0 79.3 118.9

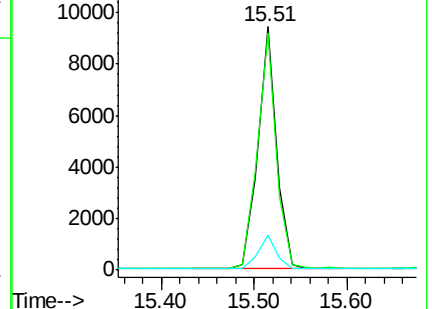
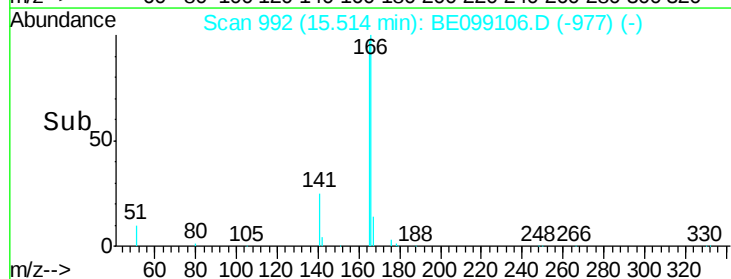
167 13.7 10.5 15.7

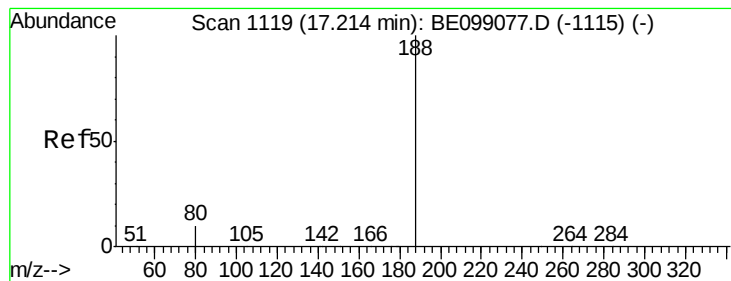


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

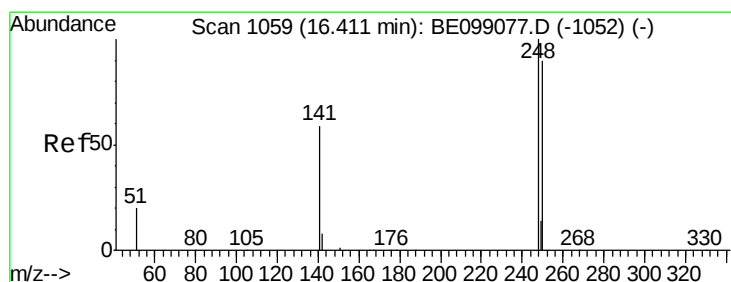
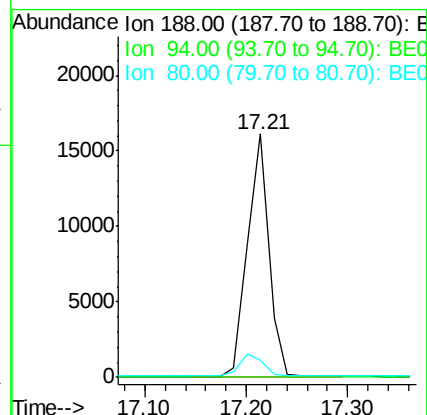
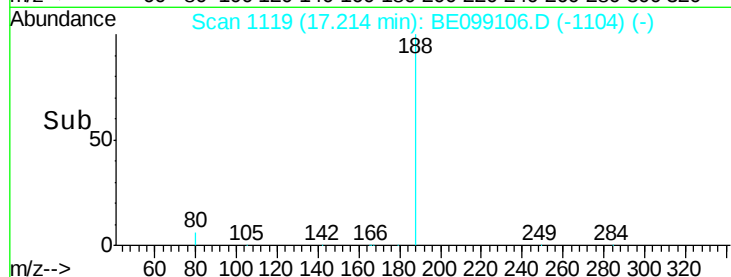
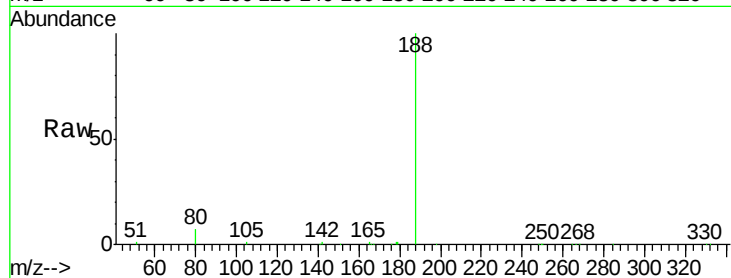
Tgt Ion:188 Resp: 23903

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.0 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.359 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

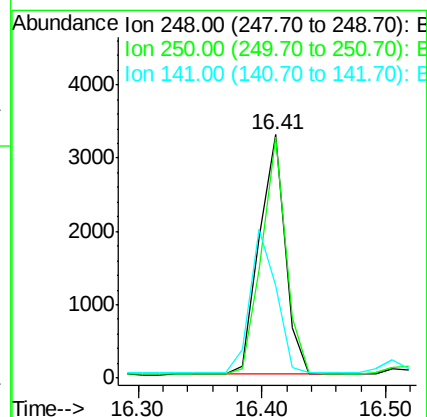
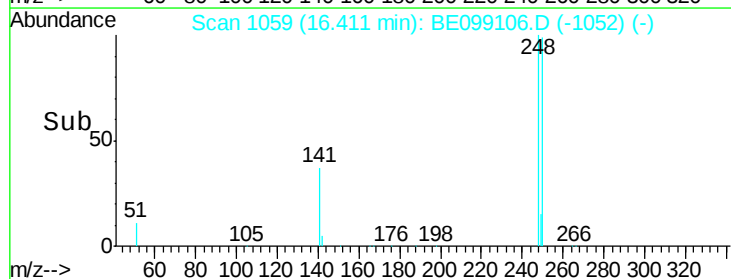
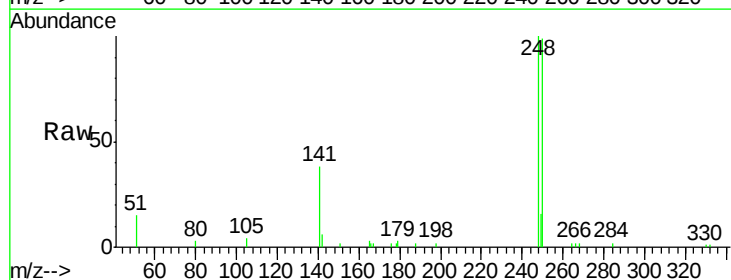
Tgt Ion:248 Resp: 4753

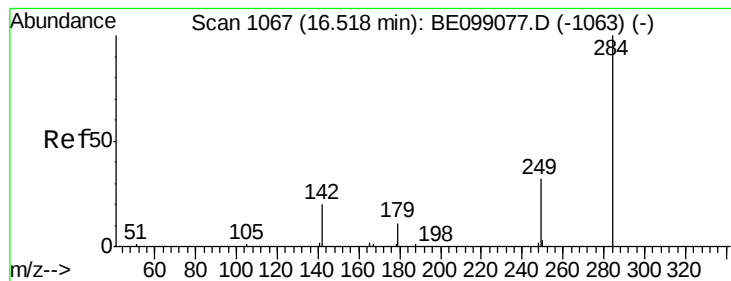
Ion Ratio Lower Upper

248 100

250 98.9 70.6 105.8

141 38.2 68.6 102.8#





#21

Hexachlorobenzene

Concen: 0.361 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

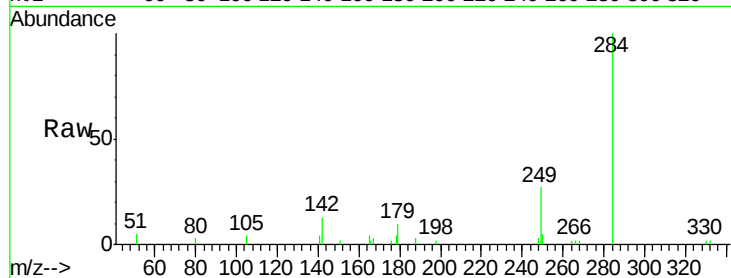
Tgt Ion:284 Resp: 4441

Ion Ratio Lower Upper

284 100

142 29.5 28.7 43.1

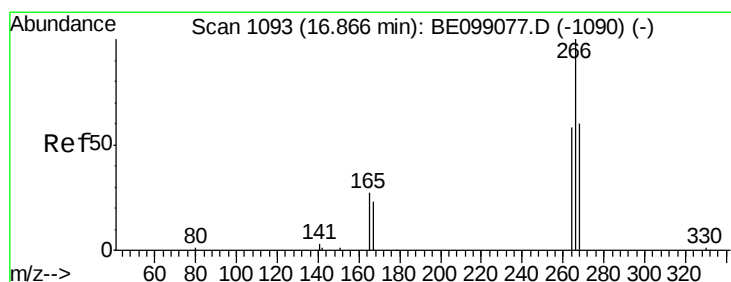
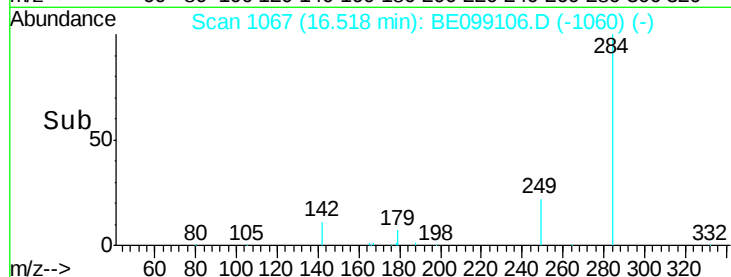
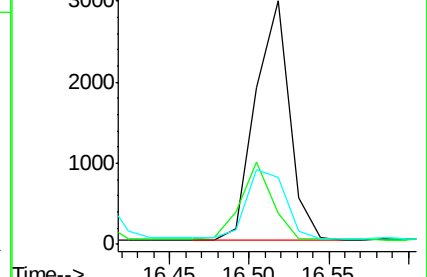
249 32.9 29.6 44.4



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: 0.916 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

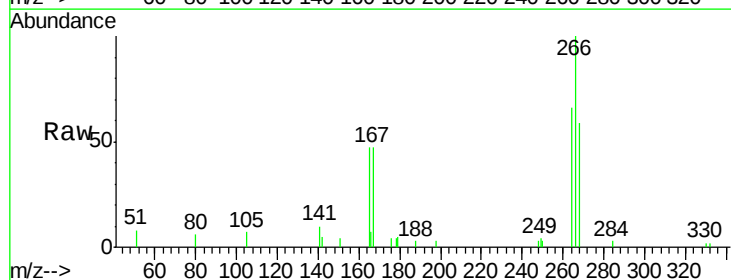
Tgt Ion:266 Resp: 3347

Ion Ratio Lower Upper

266 100

264 65.7 66.6 100.0#

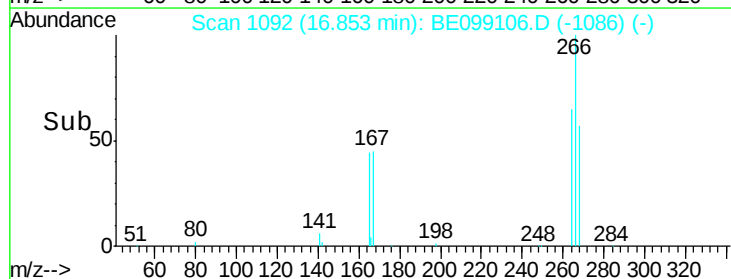
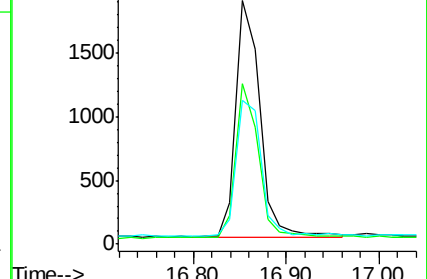
268 58.9 69.8 104.8#

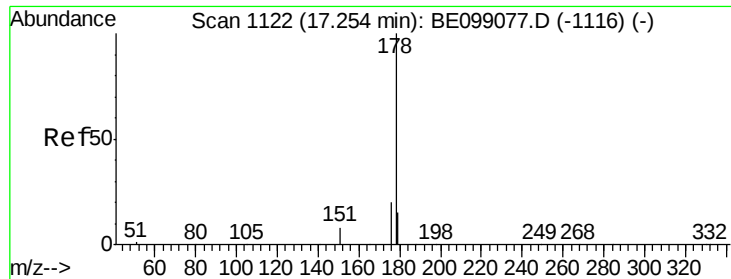


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.318 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

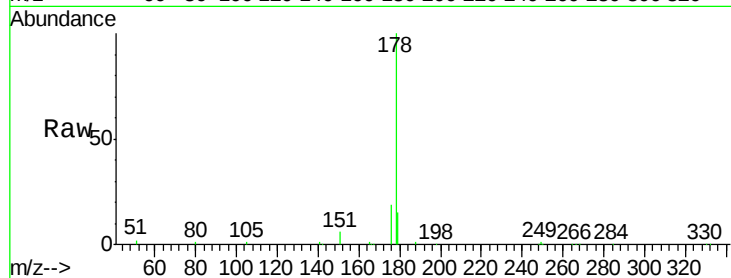
Tgt Ion:178 Resp: 22562

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

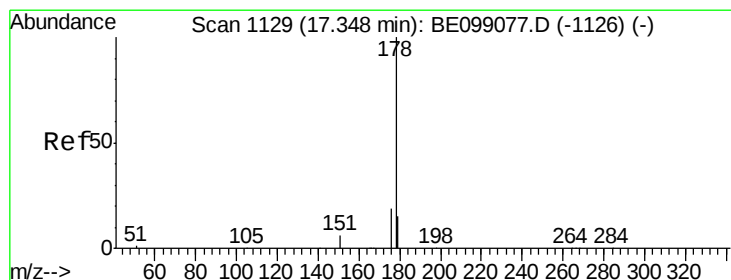
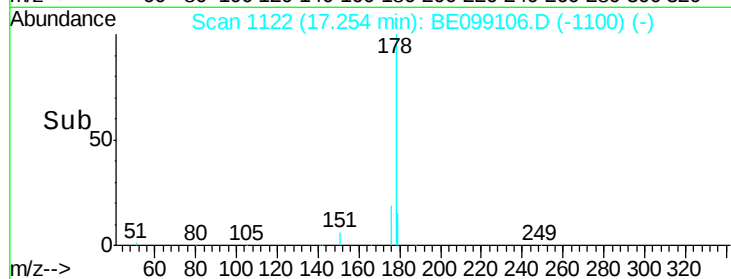
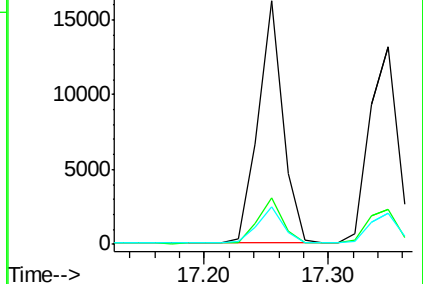
179 15.9 12.1 18.1



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: 0.311 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

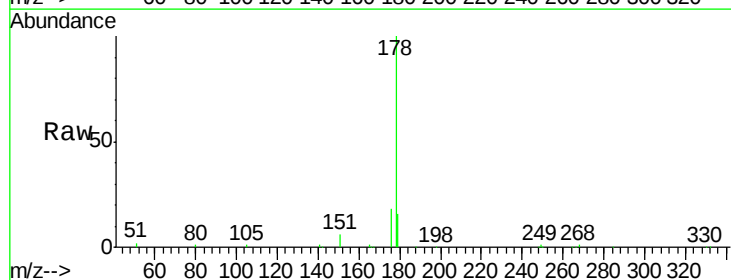
Tgt Ion:178 Resp: 20889

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

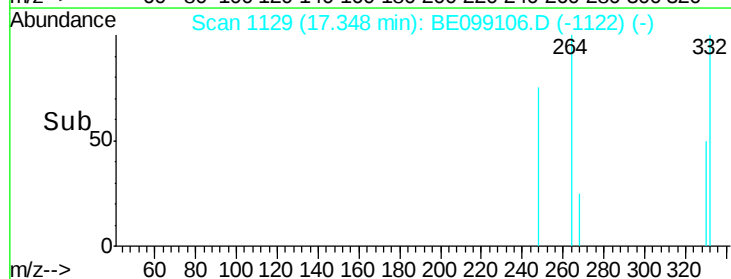
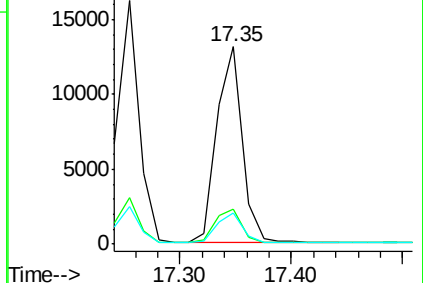
179 15.0 12.2 18.4

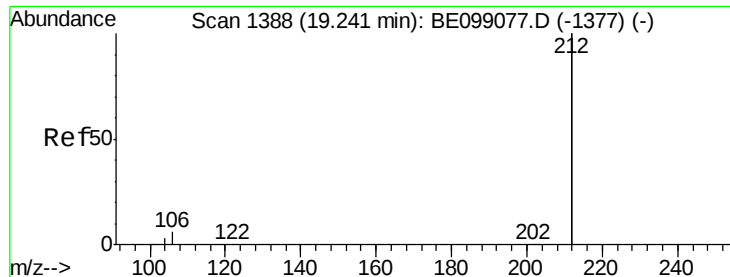


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.287 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

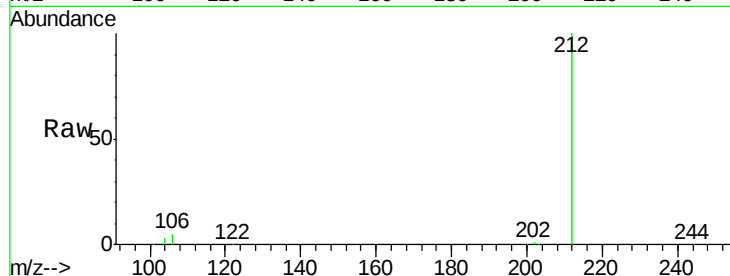
Tgt Ion:212 Resp: 91639

Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

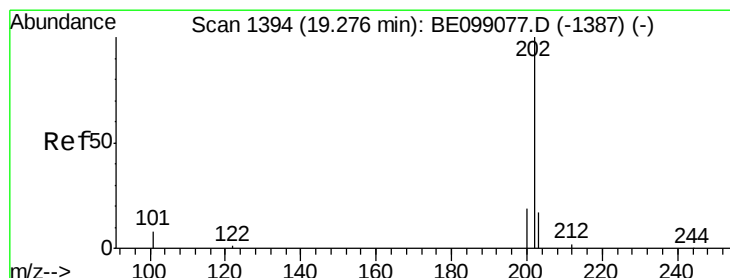
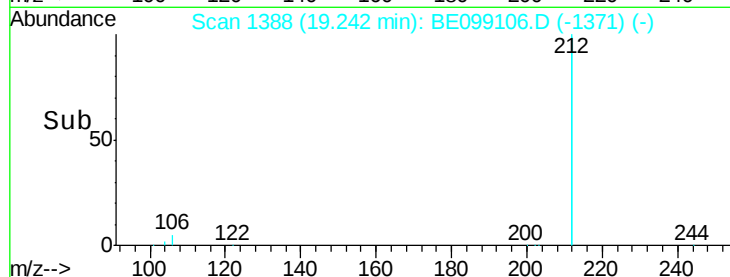
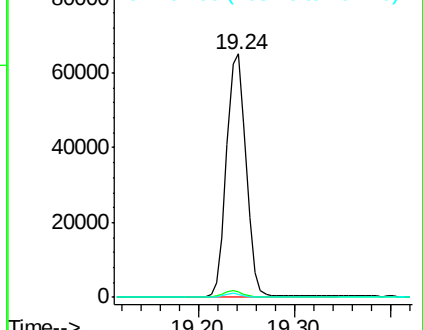
104 1.5 1.0 1.6



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: 0.274 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

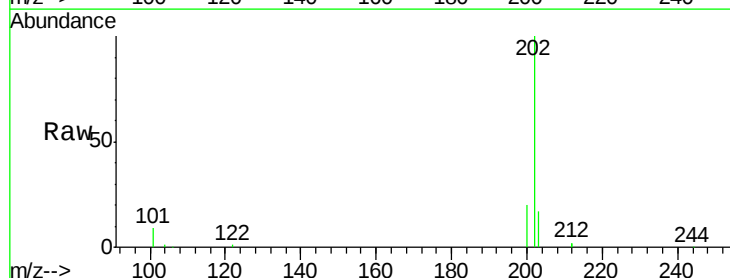
Tgt Ion:202 Resp: 27381

Ion Ratio Lower Upper

202 100

101 9.2 7.3 10.9

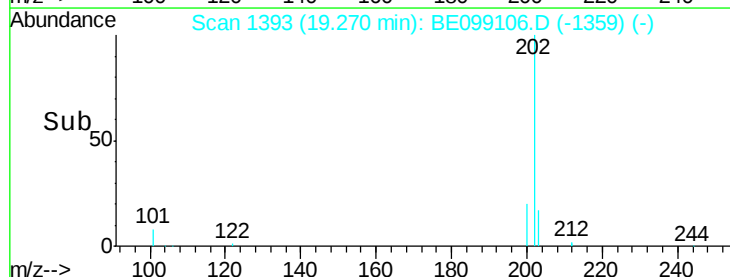
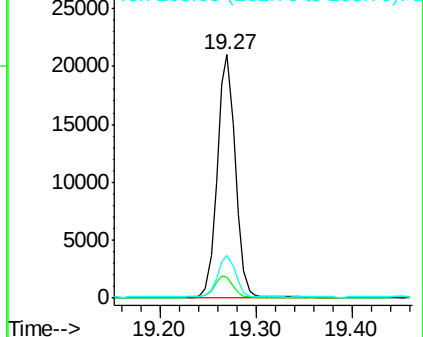
203 17.2 13.4 20.2



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: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

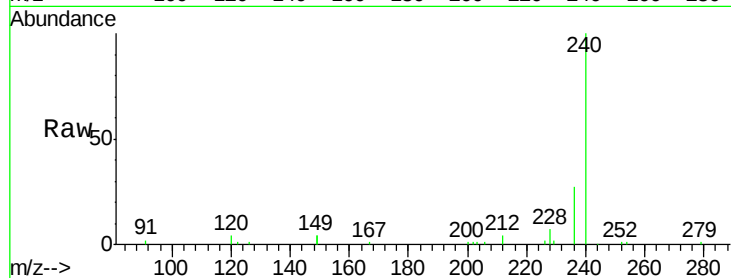
Tgt Ion:240 Resp: 31528

Ion Ratio Lower Upper

240 100

120 4.1 5.0 7.4#

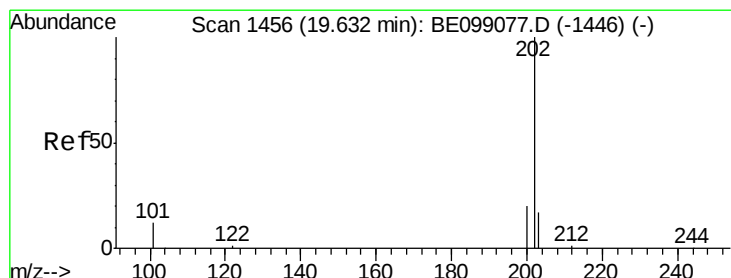
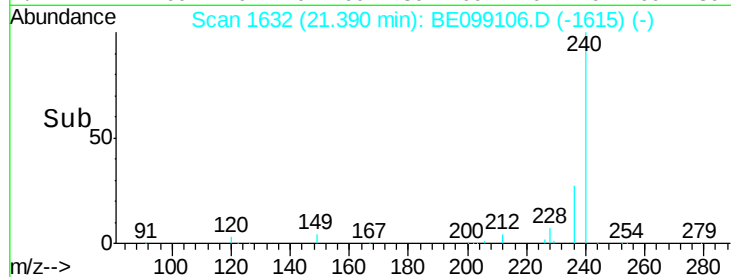
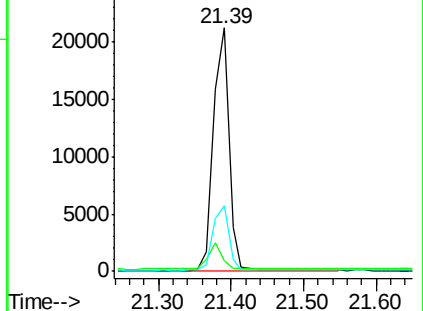
236 27.0 22.7 34.1



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: 0.271 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

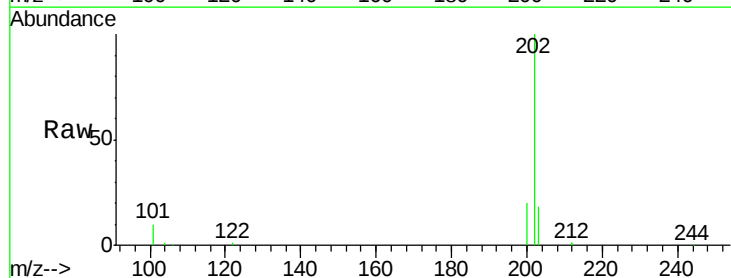
Tgt Ion:202 Resp: 28980

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.6

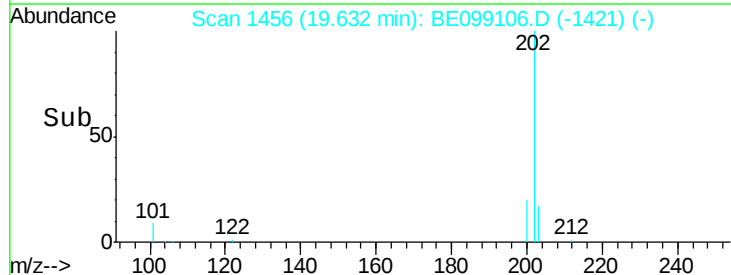
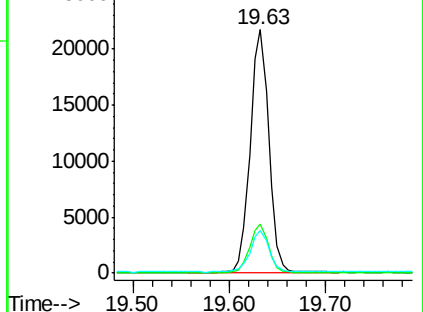
203 17.7 14.2 21.2

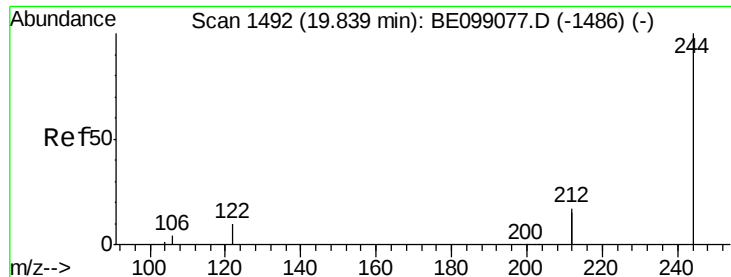


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.278 ng

RT: 19.84 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

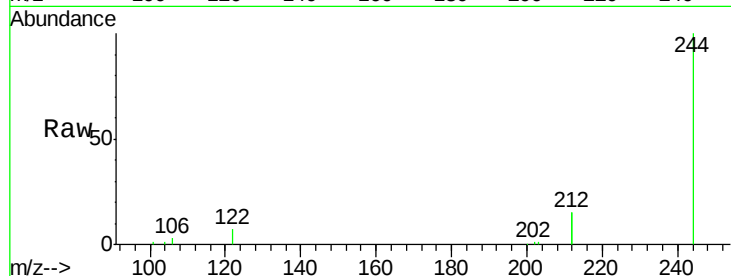
Tgt Ion:244 Resp: 18543

Ion Ratio Lower Upper

244 100

212 30.5 29.4 44.2

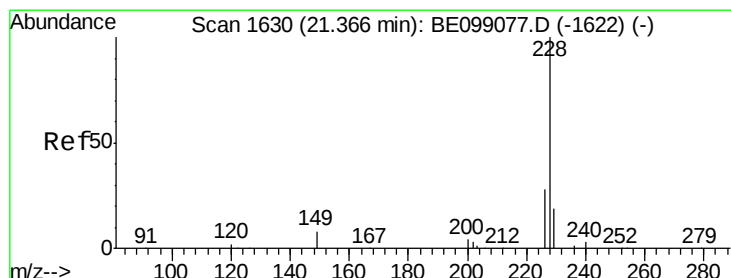
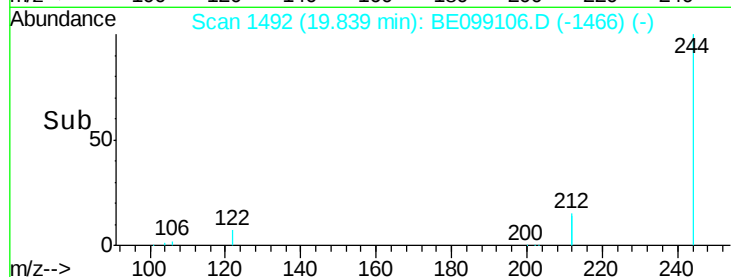
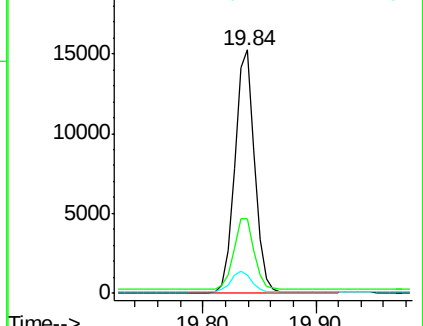
122 7.3 7.1 10.7



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: 0.319 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

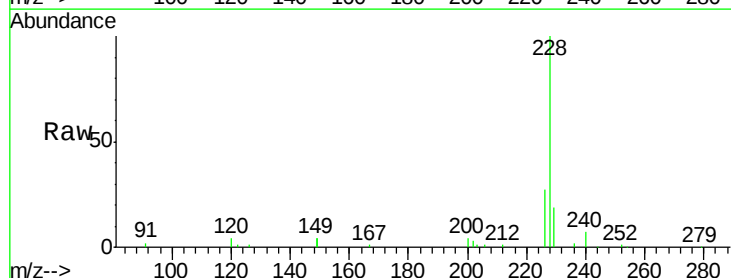
Tgt Ion:228 Resp: 35478

Ion Ratio Lower Upper

228 100

226 27.3 23.0 34.4

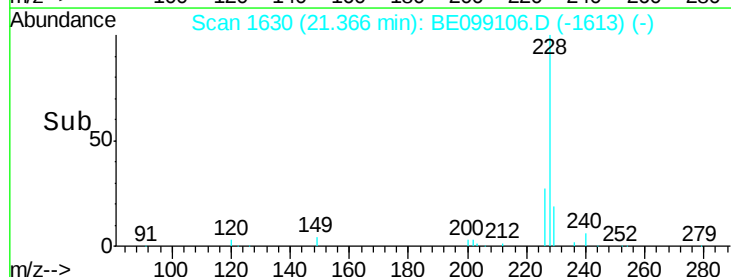
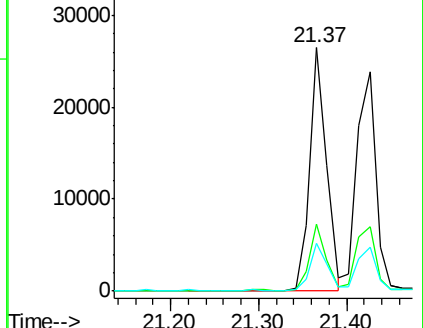
229 19.4 16.5 24.7

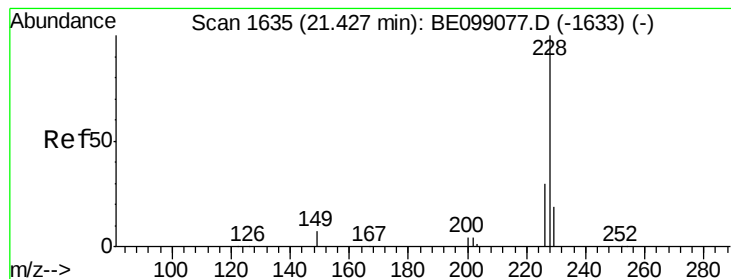


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.318 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

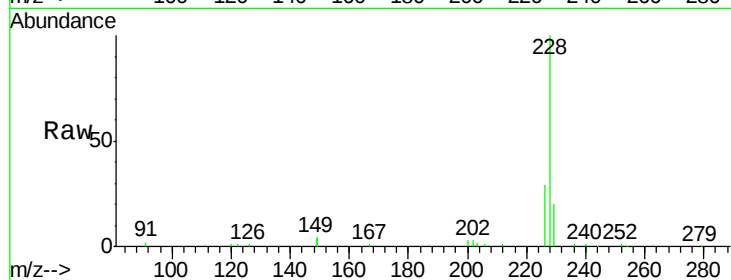
Tgt Ion:228 Resp: 35242

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

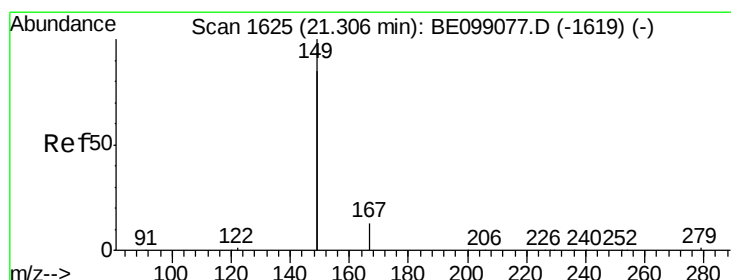
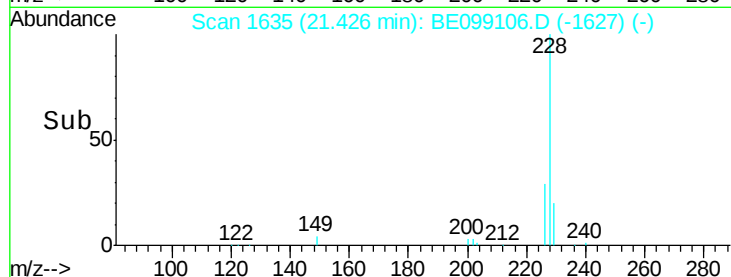
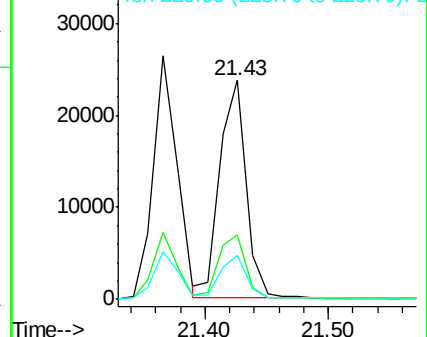
229 20.3 16.1 24.1



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: 0.318 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

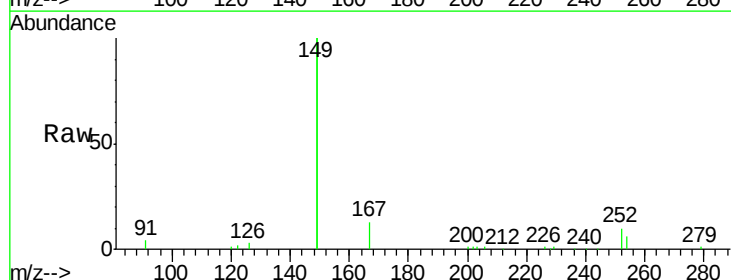
Tgt Ion:149 Resp: 45869

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

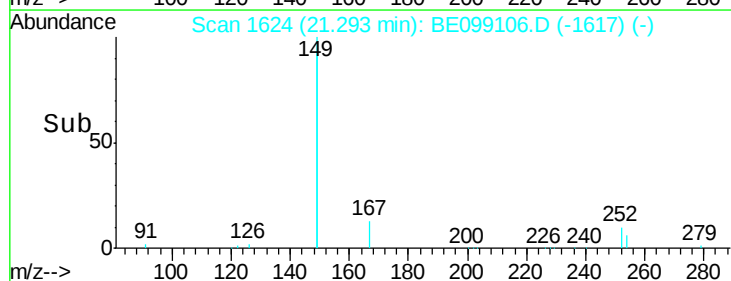
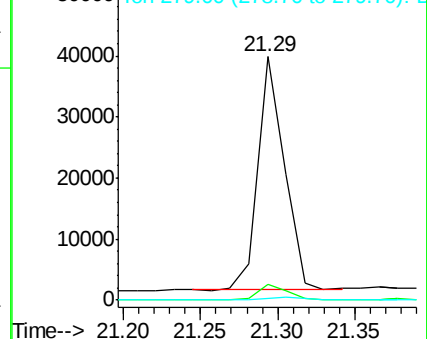
279 1.2 1.0 1.4

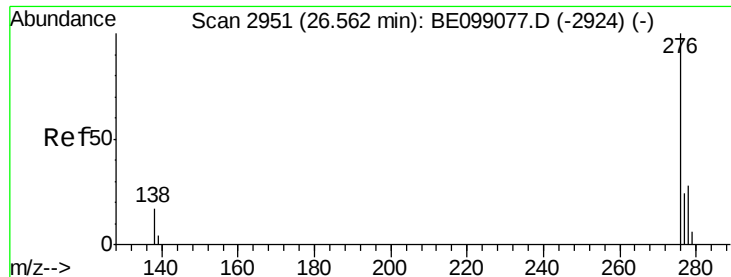


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.377 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

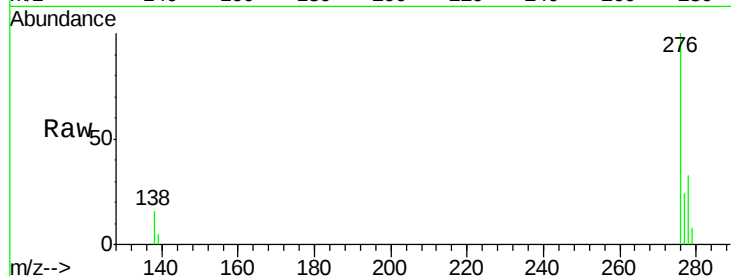
Tgt Ion:276 Resp: 45022

Ion Ratio Lower Upper

276 100

138 18.2 13.8 20.8

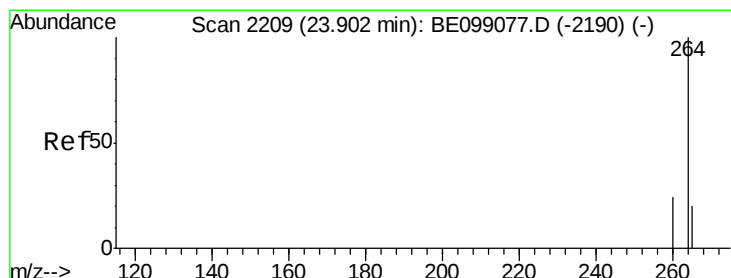
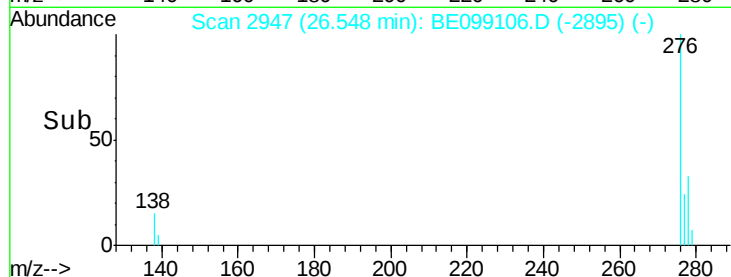
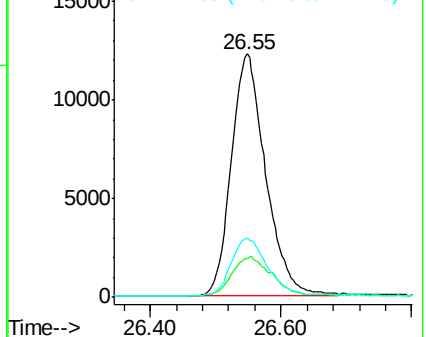
277 24.8 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

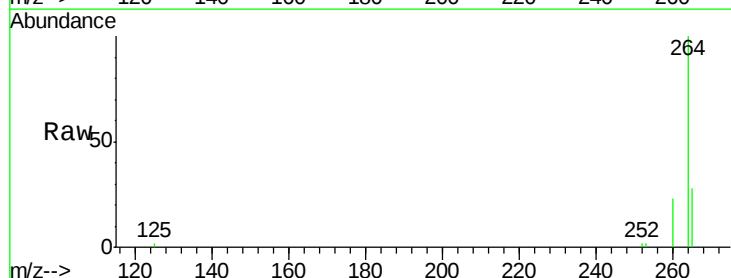
Tgt Ion:264 Resp: 37507

Ion Ratio Lower Upper

264 100

260 23.5 21.2 31.8

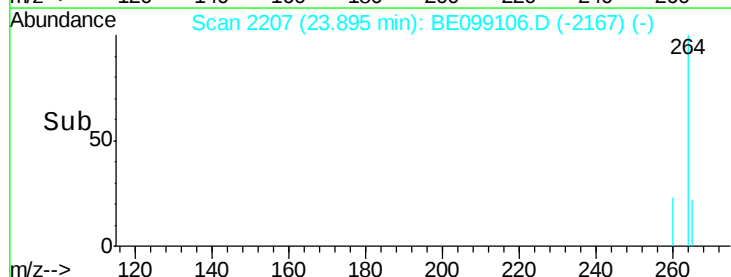
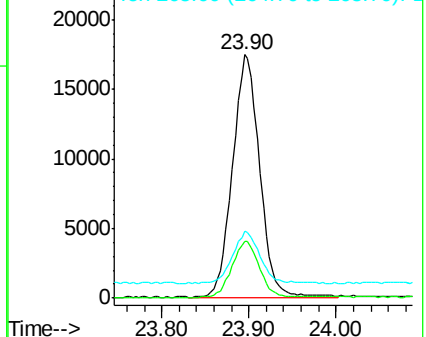
265 27.7 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.301 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

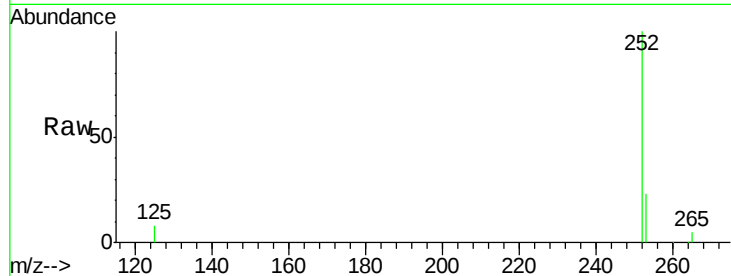
Tgt Ion:252 Resp: 39111

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

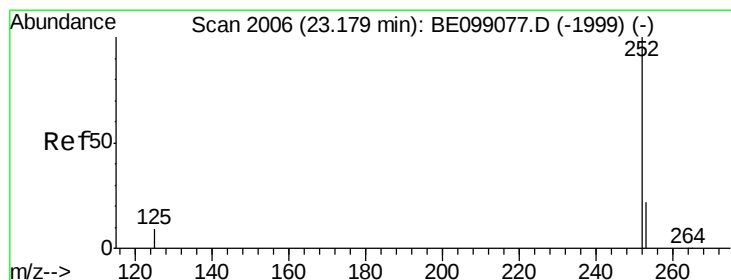
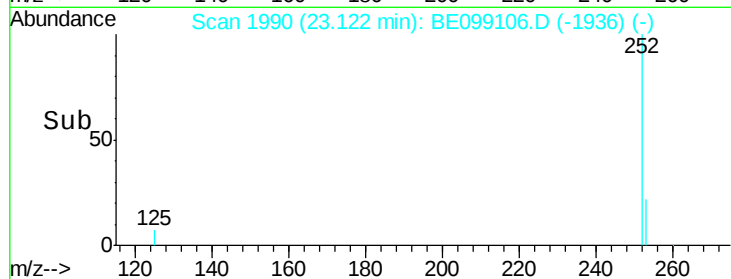
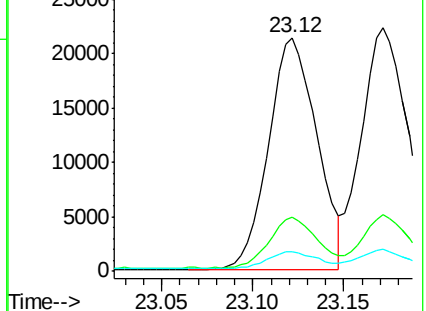
125 8.2 7.3 10.9



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: 0.321 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

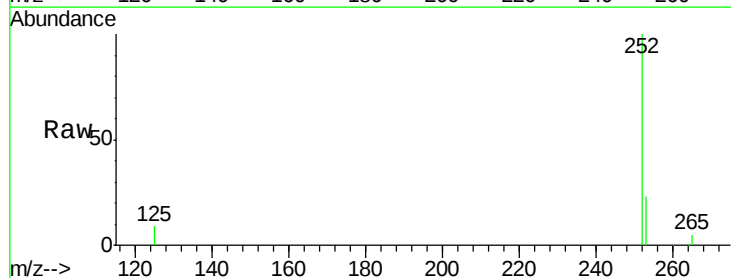
Tgt Ion:252 Resp: 40767

Ion Ratio Lower Upper

252 100

253 23.2 19.3 28.9

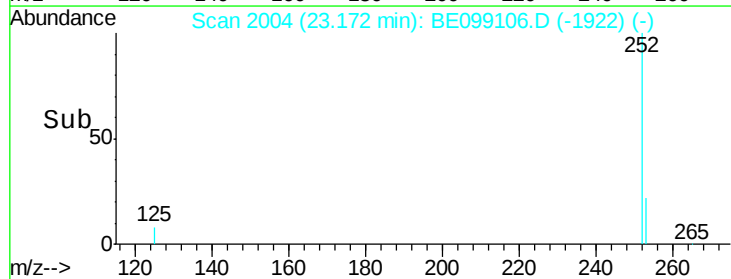
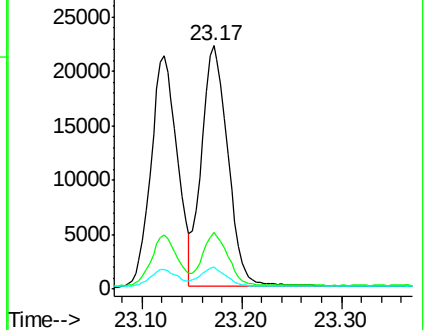
125 8.9 7.5 11.3



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: 0.320 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS

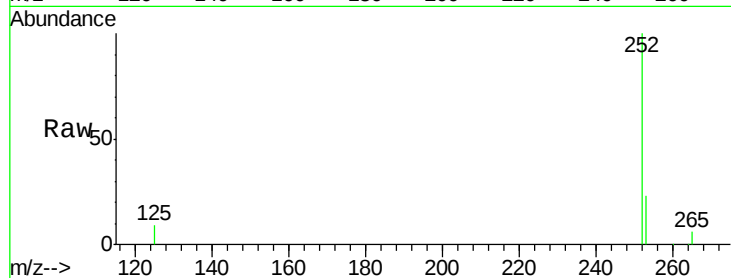
Tgt Ion:252 Resp: 38430

Ion Ratio Lower Upper

252 100

253 22.9 19.9 29.9

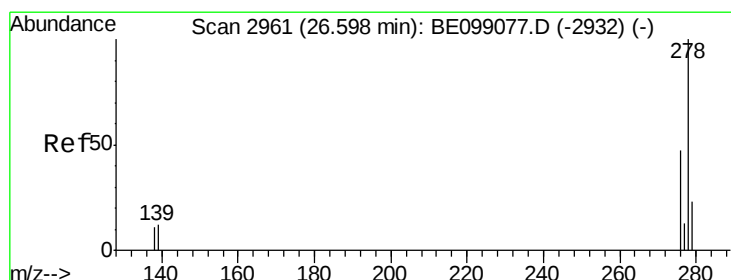
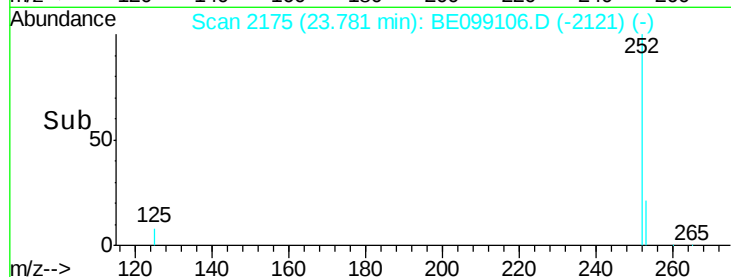
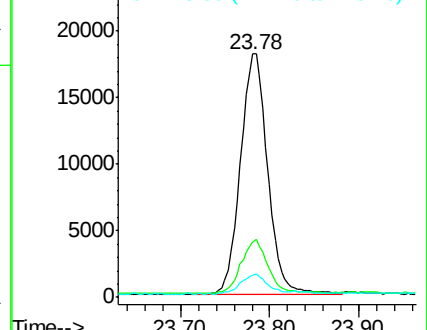
125 9.0 9.0 13.4



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



#38

Dibenzo(a,h)anthracene

Concen: 0.319 ng

RT: 26.58 min Scan# 2956

Delta R.T. -0.02 min

Lab File: BE099106.D

Acq: 23 Mar 2019 11:23

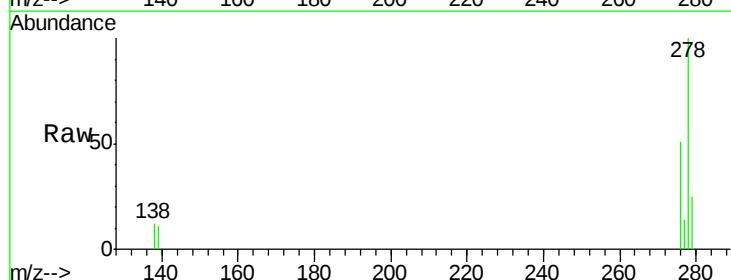
Tgt Ion:278 Resp: 37157

Ion Ratio Lower Upper

278 100

139 11.5 11.8 17.6#

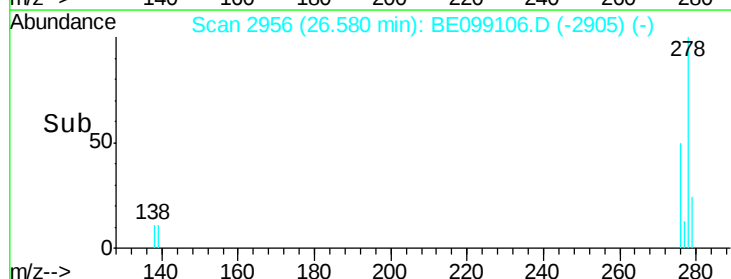
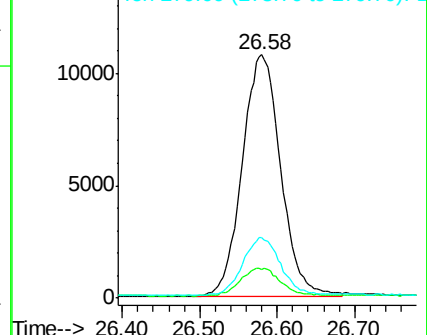
279 24.7 21.1 31.7

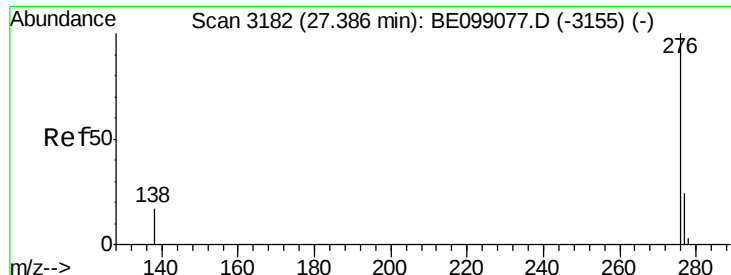


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.320 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099106.D

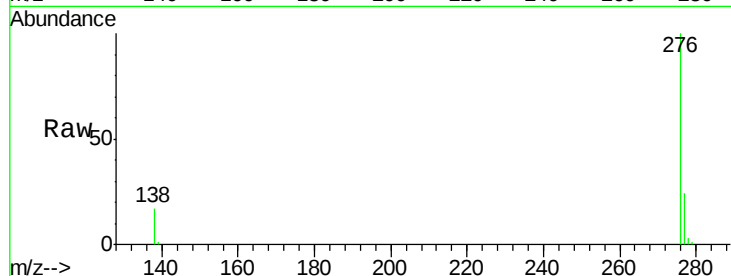
Acq: 23 Mar 2019 11:23

Instrument :

BNA_E

ClientSampleId :

PB118177BS



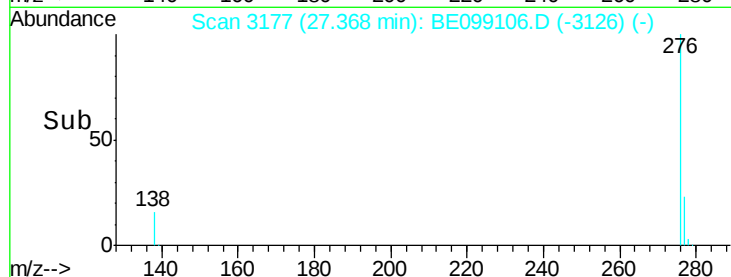
Tgt Ion: 276 Resp: 38280

Ion Ratio Lower Upper

276 100

277 24.1 20.4 30.6

138 17.3 13.6 20.4



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

