

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
 Data File : BE099196.D
 Acq On : 26 Mar 2019 1:15
 Operator : JU/SJ
 Sample : K2073-02RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 P001-TW001-03MS

Quant Time: Mar 26 07:10:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3087	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	12814	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	9419	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	29694	0.40	ng	0.00
27) Chrysene-d12	21.38	240	36229	0.40	ng	-0.01
34) Perylene-d12	23.89	264	34842	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	1699	0.18	ng	0.00
5) Phenol-d6	6.99	99	1573	0.11	ng	0.00
8) Nitrobenzene-d5	8.99	82	3887	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	12378	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1637	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	15213	0.40	ng	0.00
25) Fluoranthene-d10	19.24	212	152565	0.42	ng	0.00
29) Terphenyl-d14	19.83	244	30742	0.39	ng	0.00

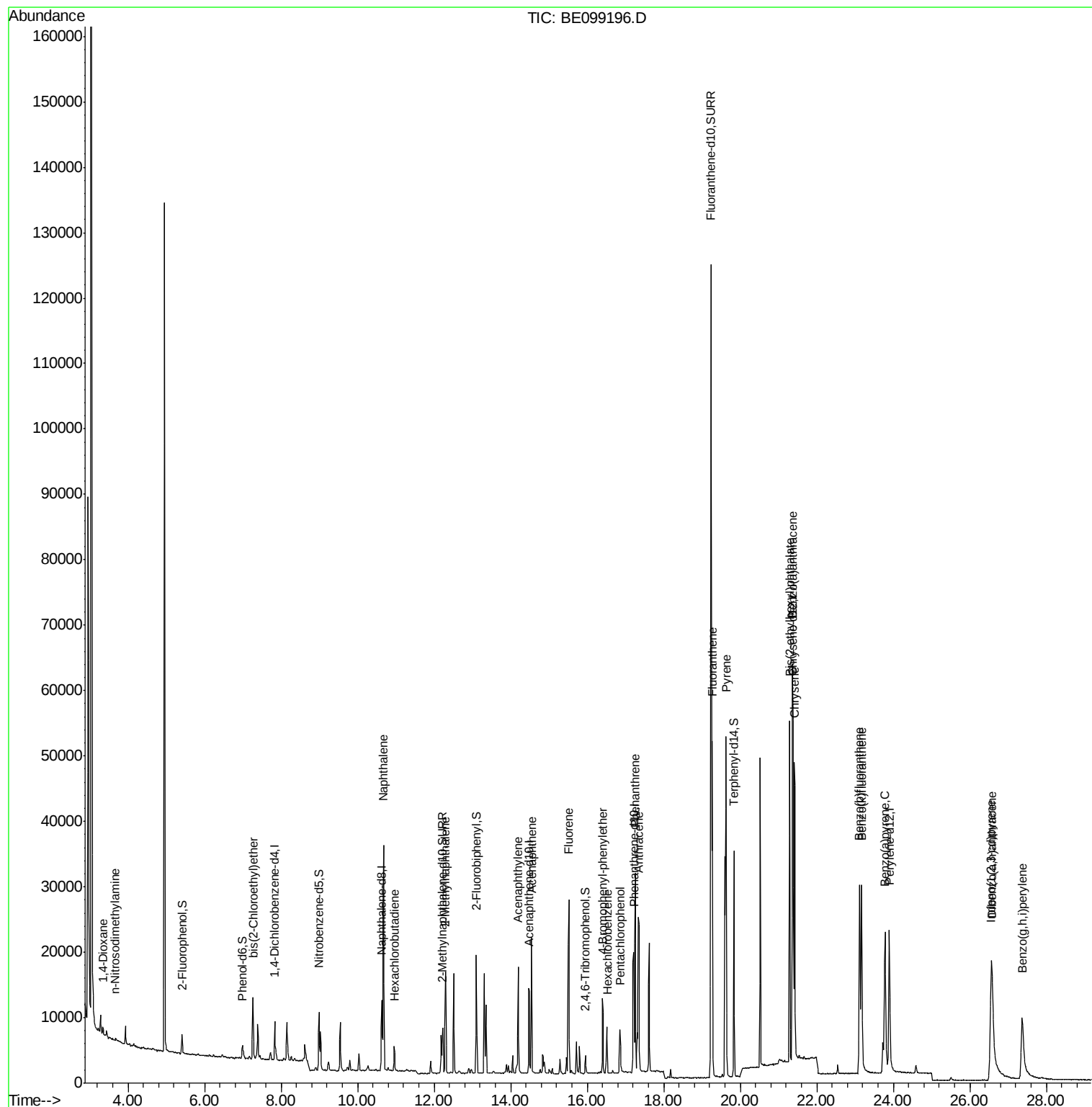
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	779	0.191	ng	# 48
3) n-Nitrosodimethylamine	3.67	42	489	0.215	ng	# 65
6) bis(2-Chloroethyl)ether	7.26	93	4118	0.372	ng	98
9) Naphthalene	10.68	128	56016	0.371	ng	100
10) Hexachlorobutadiene	10.95	225	2798	0.347	ng	97
12) 2-Methylnaphthalene	12.30	142	9923	0.367	ng	98
16) Acenaphthylene	14.20	152	17443	0.363	ng	99
17) Acenaphthene	14.54	154	10701	0.373	ng	98
18) Fluorene	15.51	166	16557	0.410	ng	98
20) 4-Bromophenyl-phenylether	16.40	248	6496	0.339	ng	# 63
21) Hexachlorobenzene	16.52	284	6102	0.330	ng	100
22) Pentachlorophenol	16.85	266	3994	1.492	ng	# 86
23) Phenanthrene	17.25	178	33288	0.382	ng	99
24) Anthracene	17.34	178	29957	0.380	ng	99
26) Fluoranthene	19.27	202	44484	0.400	ng	100
28) Pyrene	19.63	202	46515	0.386	ng	99
30) Benzo(a)anthracene	21.37	228	46186	0.386	ng	100
31) Chrysene	21.41	228	46785	0.366	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	62349	0.437	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	42226	0.349	ng	99
35) Benzo(b)fluoranthene	23.12	252	41914	0.366	ng	98
36) Benzo(k)fluoranthene	23.17	252	47827	0.395	ng	99
37) Benzo(a)pyrene	23.78	252	41226	0.385	ng	100
38) Dibenzo(a,h)anthracene	26.58	278	35682	0.375	ng	97
39) Benzo(g,h,i)perylene	27.37	276	34029	0.357	ng	96

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

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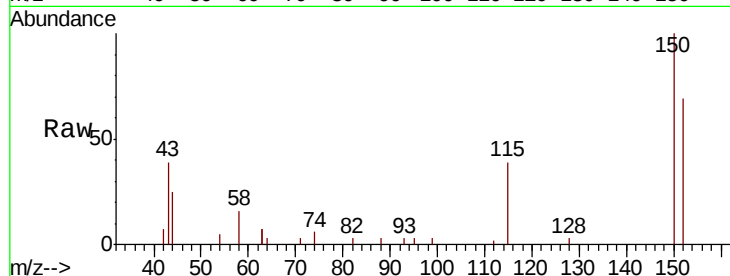


#1

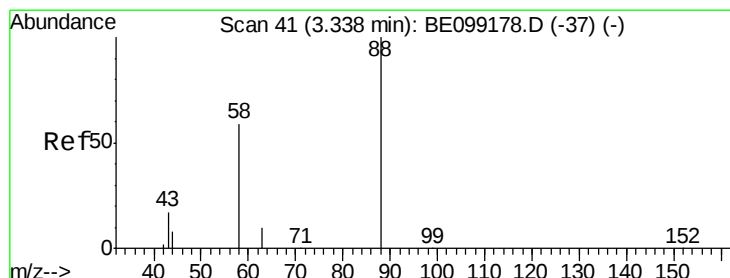
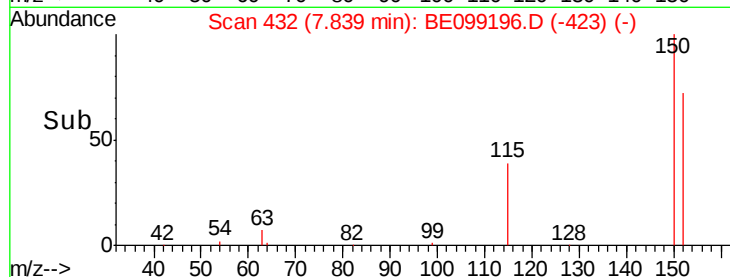
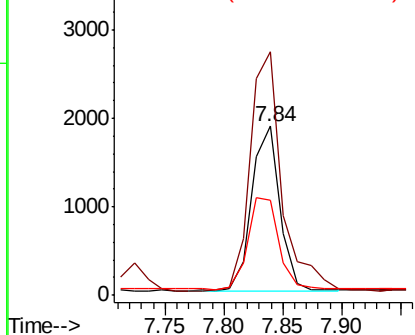
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099196.D
Acq: 26 Mar 2019 1:15

Instrument :
BNA_E
ClientSampleId :
P001-TW001-03MS

Tgt Ion: 152 Resp: 3087
Ion Ratio Lower Upper
152 100
150 144.3 112.8 169.2
115 56.2 45.1 67.7



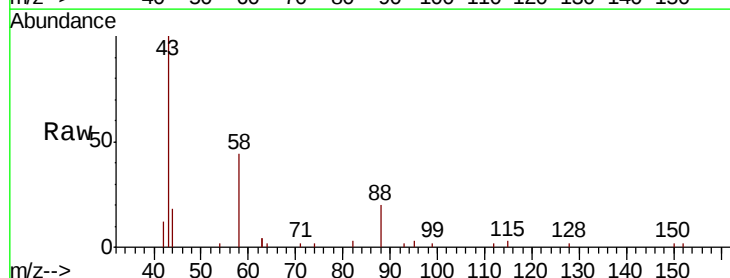
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



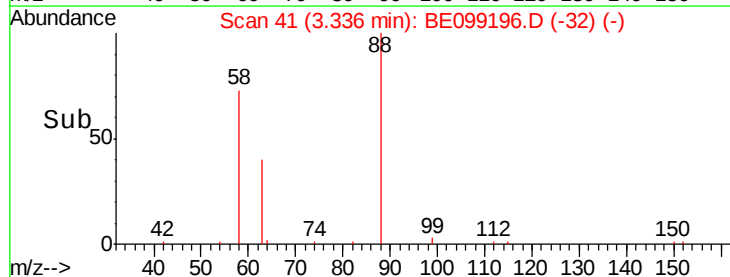
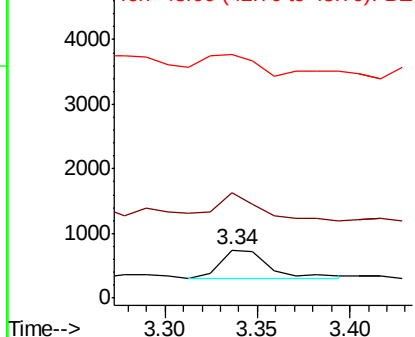
#2

1,4-Dioxane
Concen: 0.191 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.00 min
Lab File: BE099196.D
Acq: 26 Mar 2019 1:15

Tgt Ion: 88 Resp: 779
Ion Ratio Lower Upper
88 100
58 93.3 47.4 71.0#
43 53.0 15.6 23.4#



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: 0.215 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

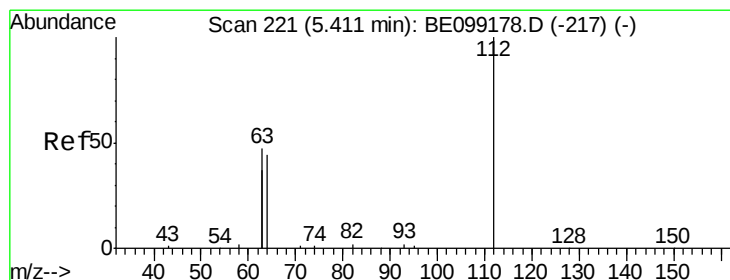
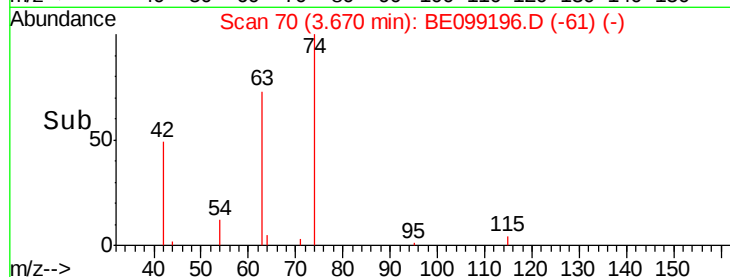
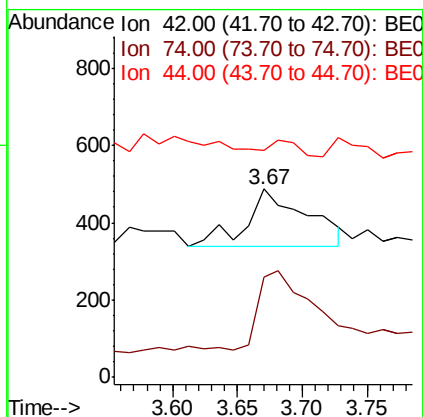
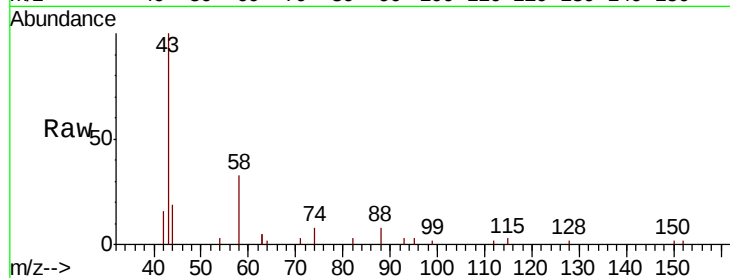
Tgt Ion: 42 Resp: 489

Ion Ratio Lower Upper

42 100

74 121.5 138.6 207.8#

44 12.1 15.0 22.6#



#4

2-Fluorophenol

Concen: 0.184 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

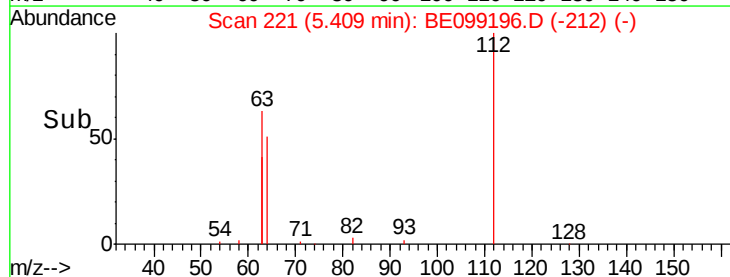
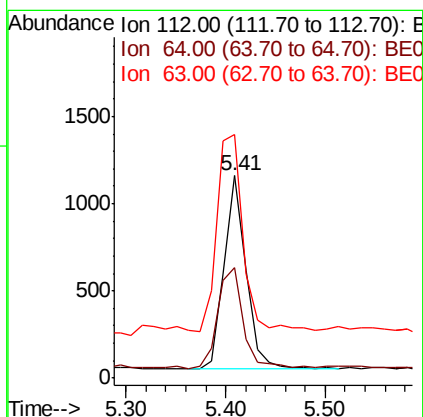
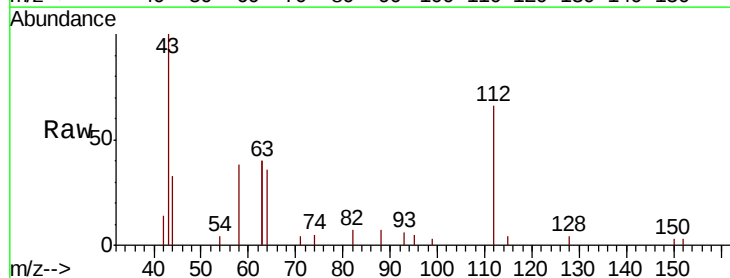
Tgt Ion: 112 Resp: 1699

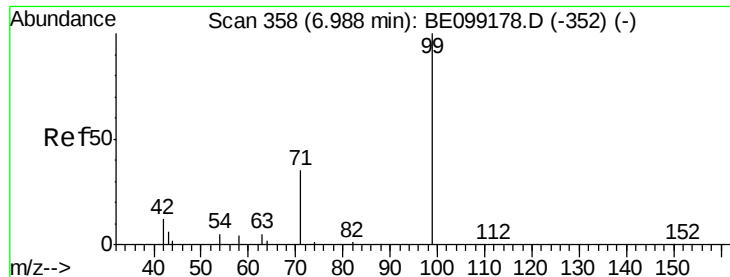
Ion Ratio Lower Upper

112 100

64 59.2 46.2 69.2

63 117.3 89.9 134.9





#5

Phenol-d6

Concen: 0.112 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

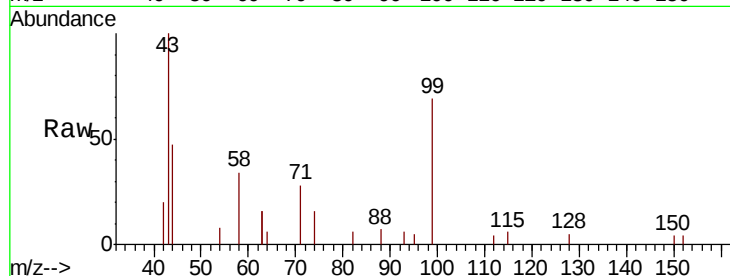
Tgt Ion: 99 Resp: 1573

Ion Ratio Lower Upper

99 100

42 24.2 12.4 18.6#

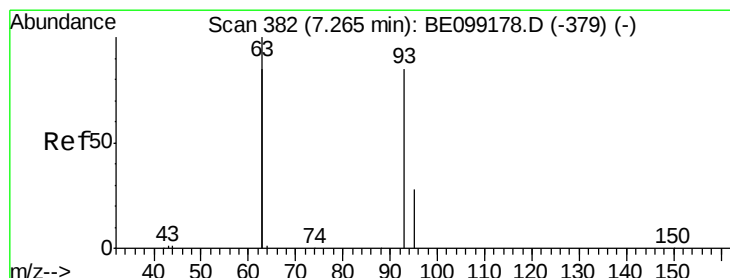
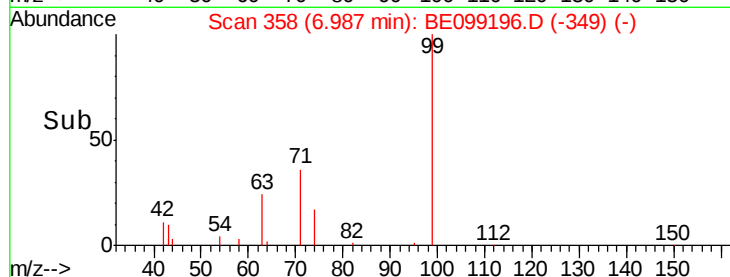
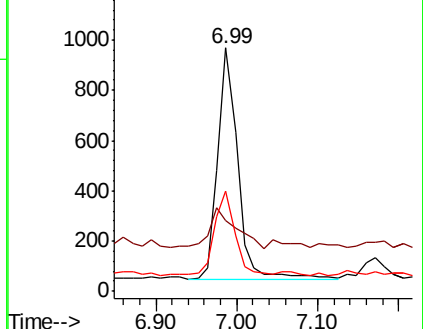
71 36.2 28.4 42.6



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: 0.372 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

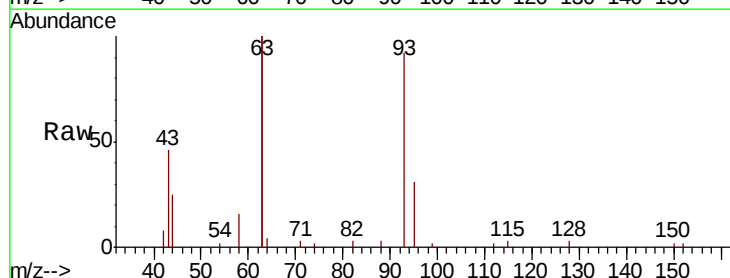
Tgt Ion: 93 Resp: 4118

Ion Ratio Lower Upper

93 100

63 279.8 221.4 332.0

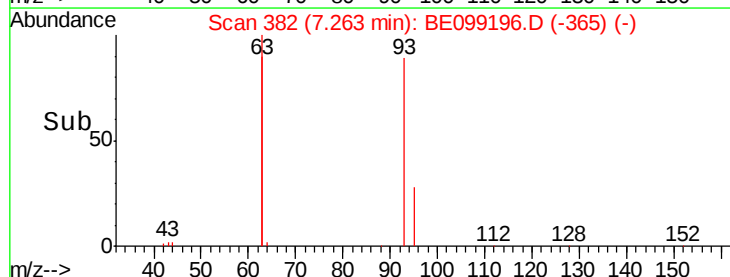
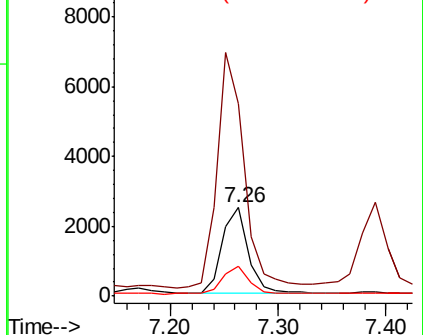
95 33.1 25.8 38.8

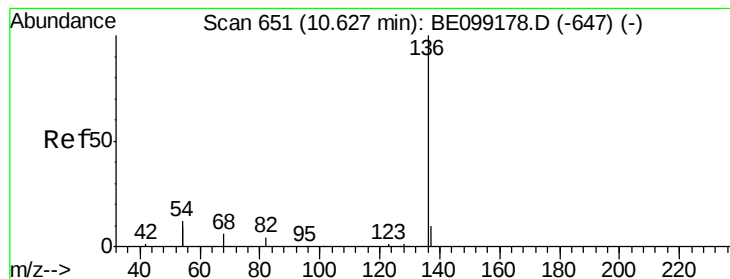


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

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Tgt Ion:136 Resp: 12814

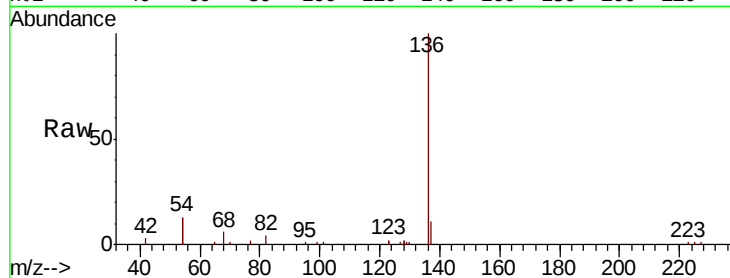
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 25.1 18.7 28.1

68 6.2 5.2 7.8

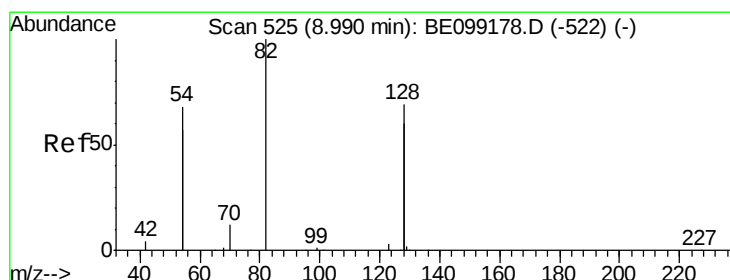
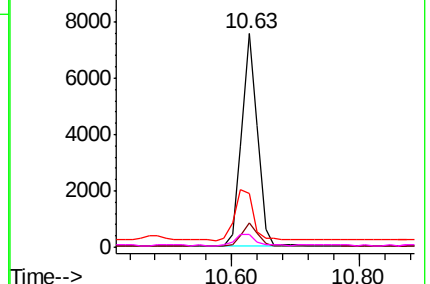
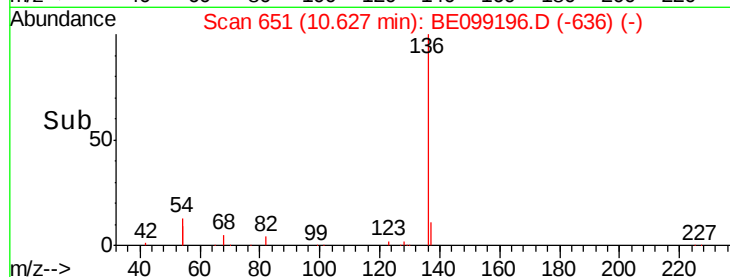


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.371 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

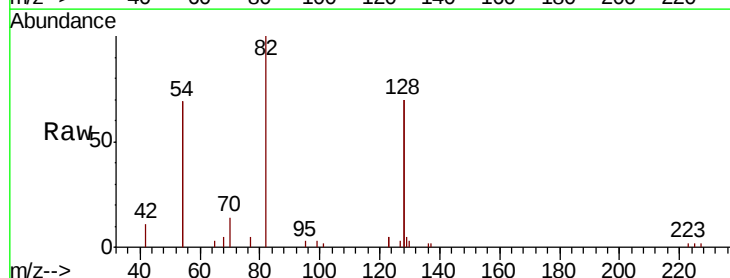
Tgt Ion: 82 Resp: 3887

Ion Ratio Lower Upper

82 100

128 139.3 107.5 161.3

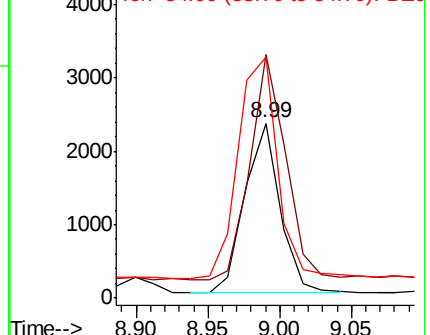
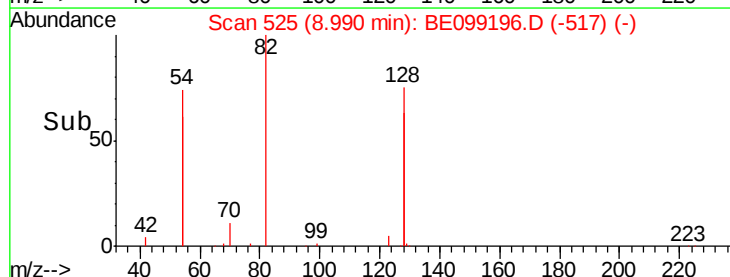
54 138.2 106.3 159.5

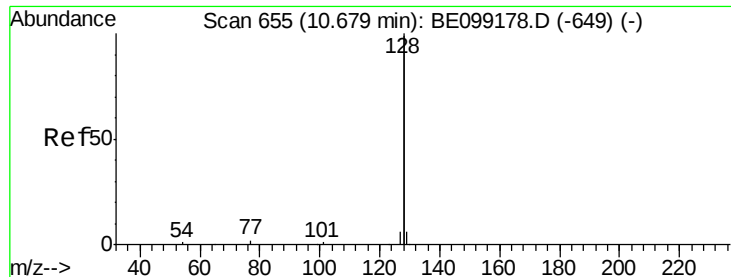


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.371 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

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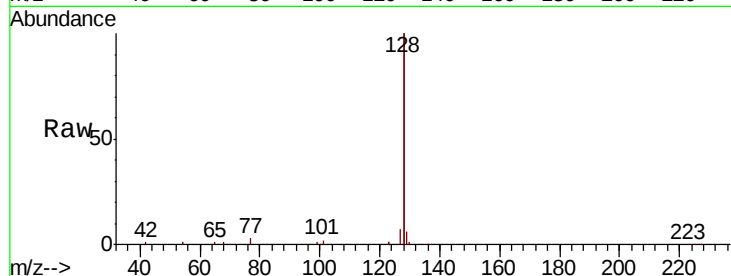
Tgt Ion:128 Resp: 56016

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

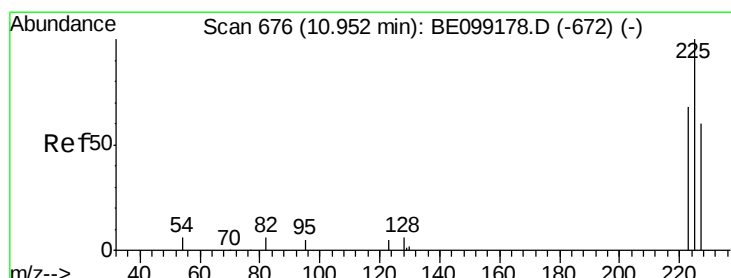
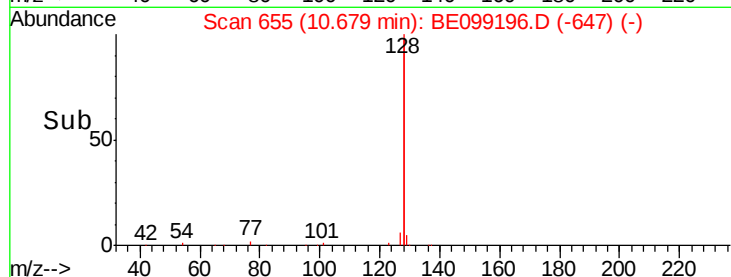
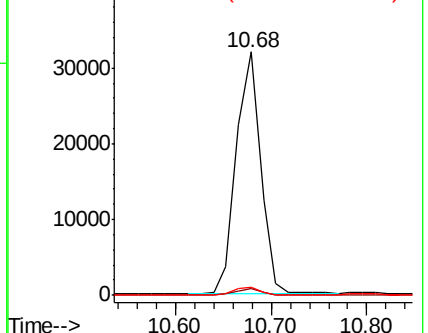
127 3.3 2.6 3.8



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: 0.347 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

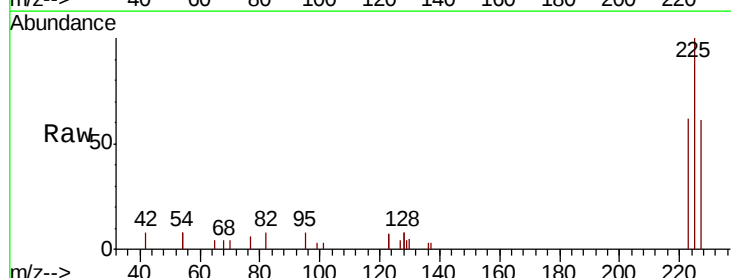
Tgt Ion:225 Resp: 2798

Ion Ratio Lower Upper

225 100

223 60.2 51.3 76.9

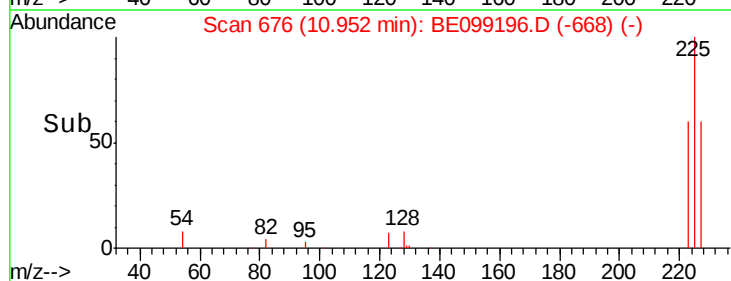
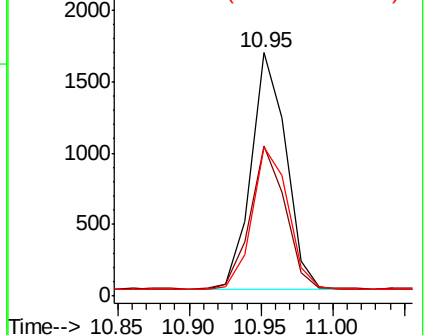
227 61.4 48.6 73.0

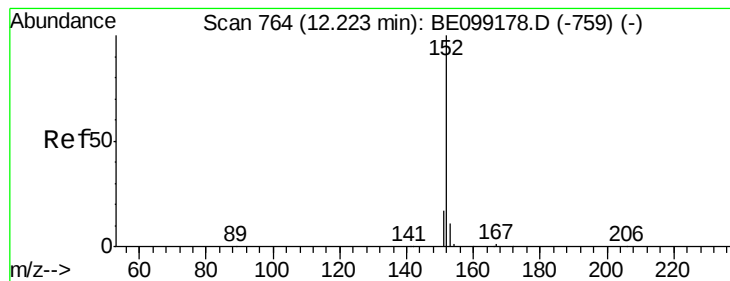


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.501 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

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ClientSampleId :

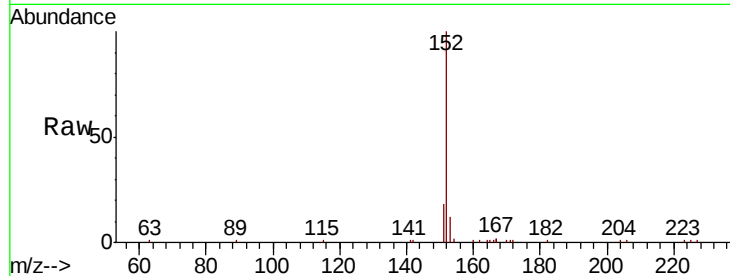
P001-TW001-03MS

Tgt Ion:152 Resp: 12378

Ion Ratio Lower Upper

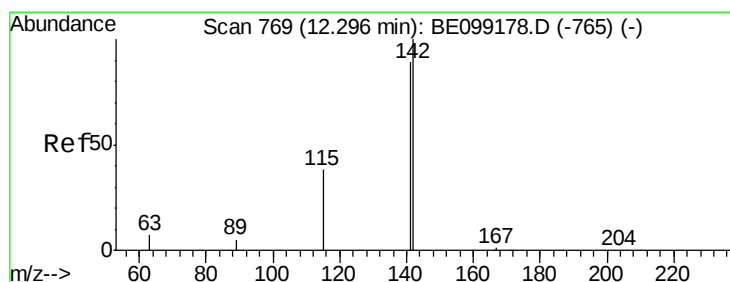
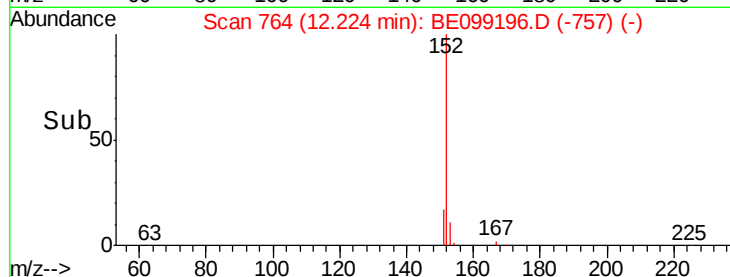
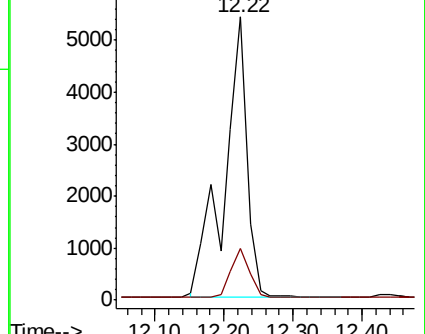
152 100

151 14.2 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.367 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

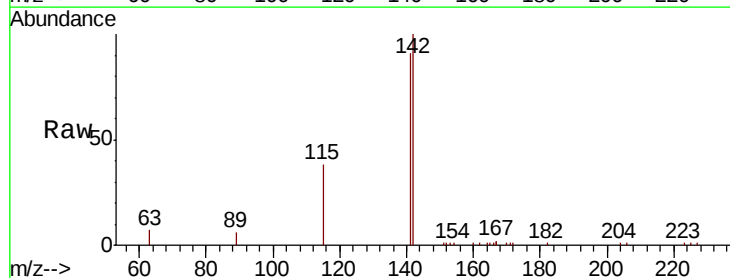
Tgt Ion:142 Resp: 9923

Ion Ratio Lower Upper

142 100

141 91.2 71.3 106.9

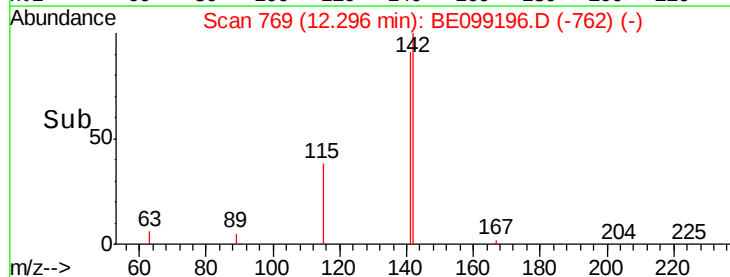
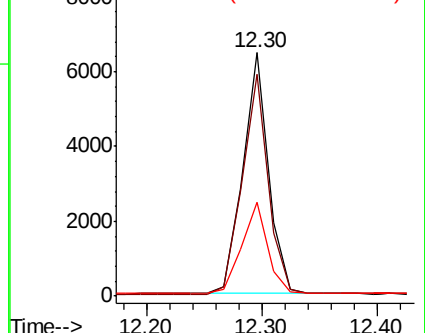
115 38.5 30.4 45.6



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: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

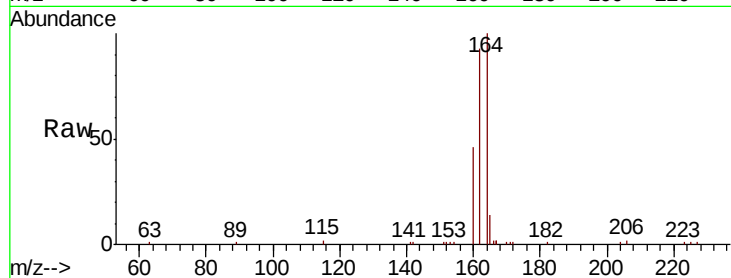
Tgt Ion:164 Resp: 9419

Ion Ratio Lower Upper

164 100

162 93.2 79.2 118.8

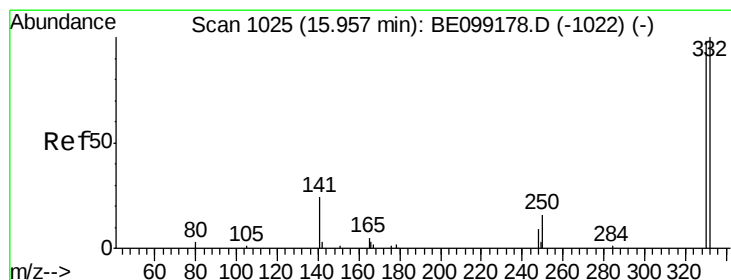
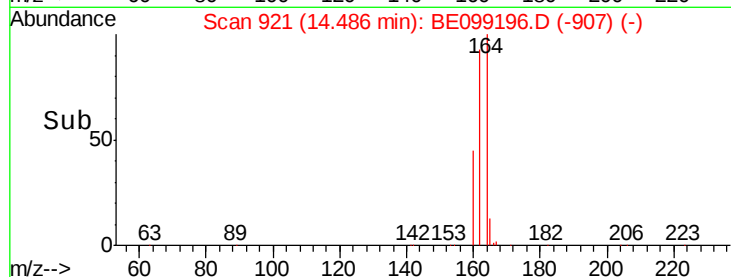
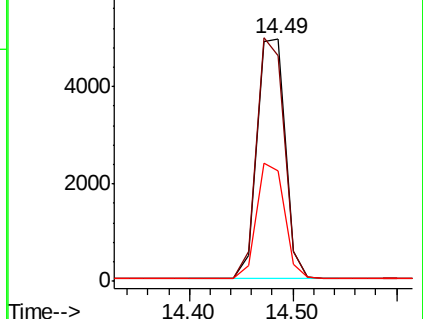
160 45.7 36.7 55.1



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: 0.533 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

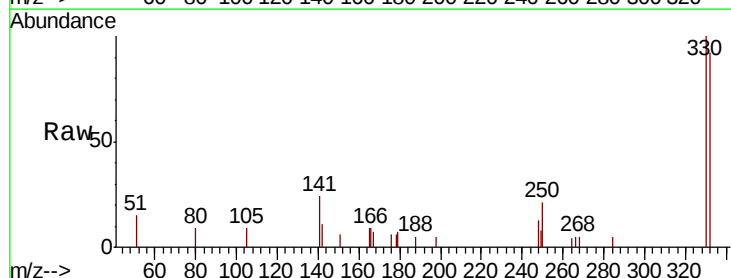
Tgt Ion:330 Resp: 1637

Ion Ratio Lower Upper

330 100

332 93.3 71.3 106.9

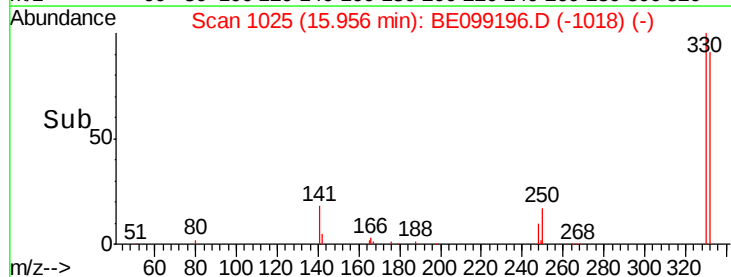
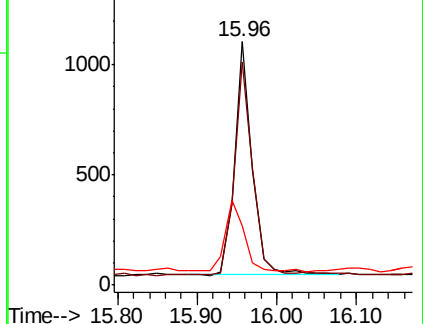
141 31.0 21.7 32.5



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

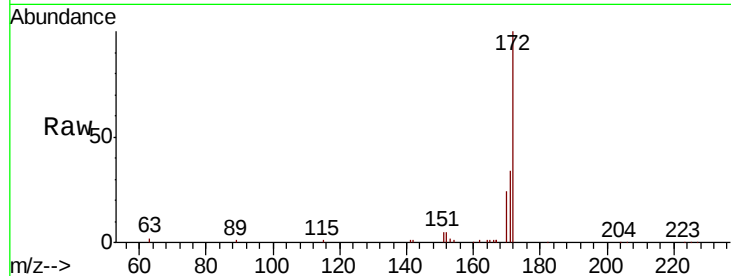




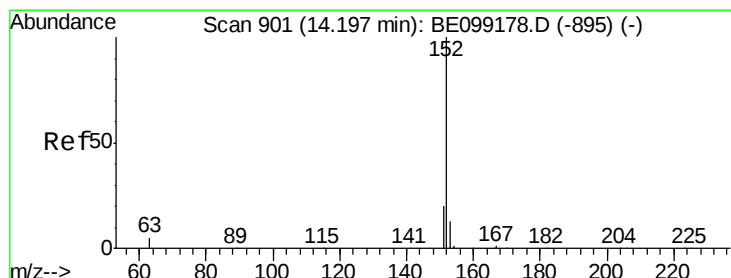
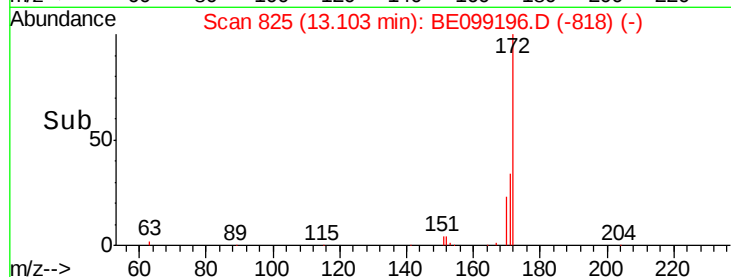
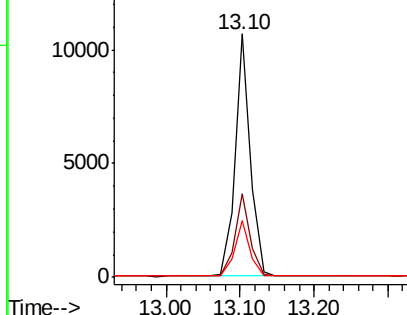
#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099196.D
Acq: 26 Mar 2019 1:15

Instrument :
BNA_E
ClientSampleId :
P001-TW001-03MS

Tgt Ion:172 Resp: 15213
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.0
170 23.5 19.1 28.7

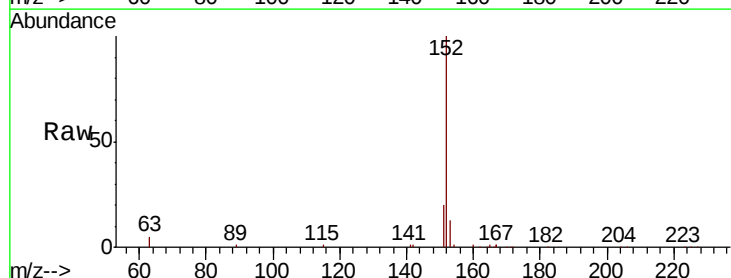


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

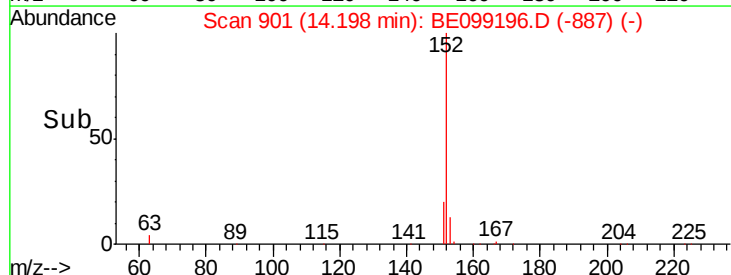
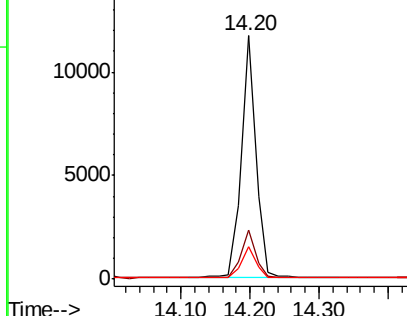


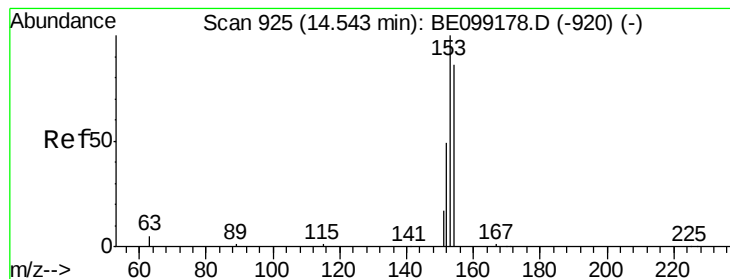
#16
Acenaphthylene
Concen: 0.363 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099196.D
Acq: 26 Mar 2019 1:15

Tgt Ion:152 Resp: 17443
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 12.7 10.6 15.8



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: 0.373 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

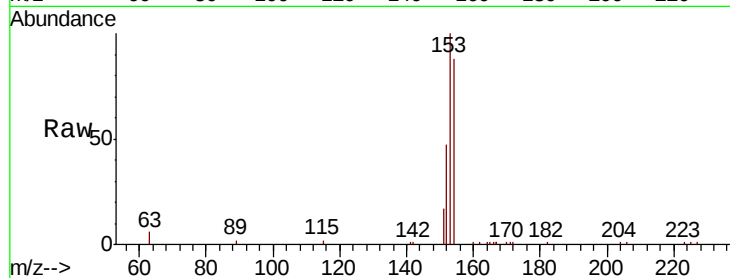
Tgt Ion:154 Resp: 10701

Ion Ratio Lower Upper

154 100

153 118.7 93.4 140.0

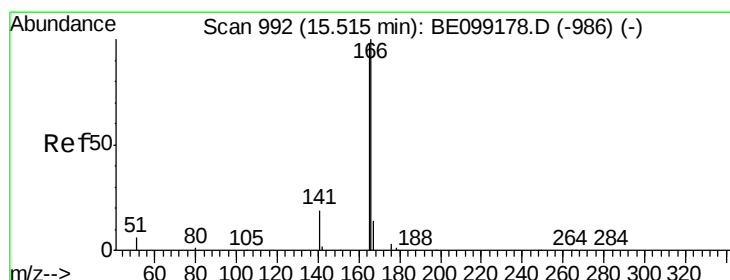
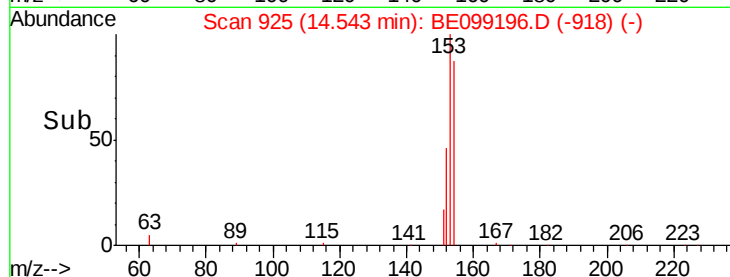
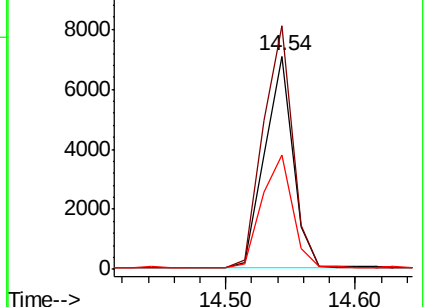
152 56.6 46.6 69.8



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: 0.410 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

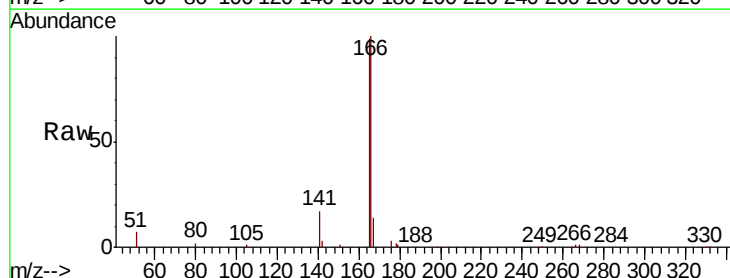
Tgt Ion:166 Resp: 16557

Ion Ratio Lower Upper

166 100

165 101.0 78.9 118.3

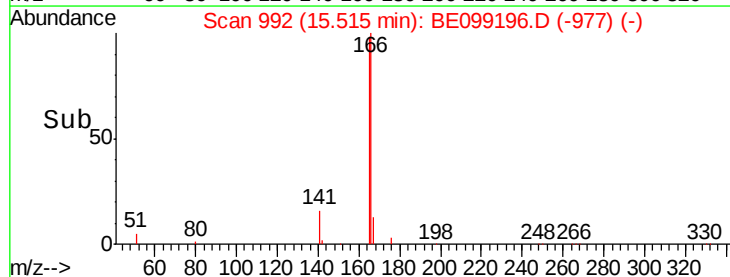
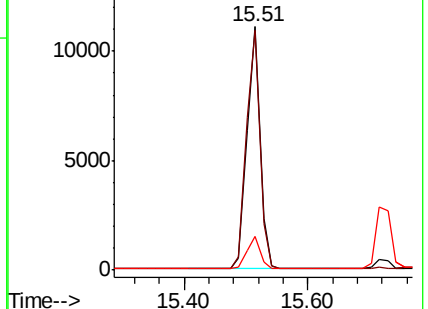
167 13.5 10.9 16.3

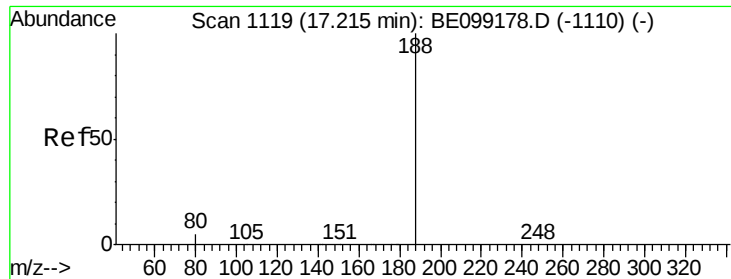


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

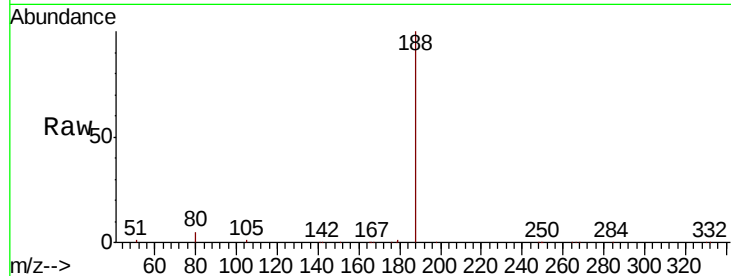
Tgt Ion:188 Resp: 29694

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

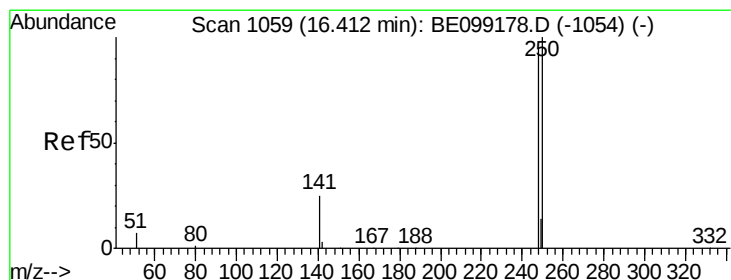
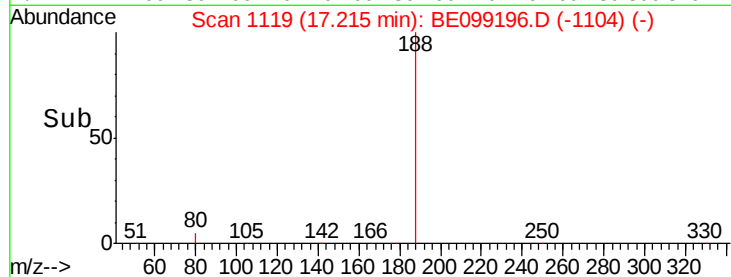
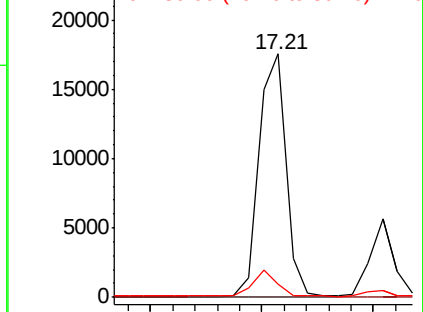
80 5.3 4.5 6.7



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: 0.339 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

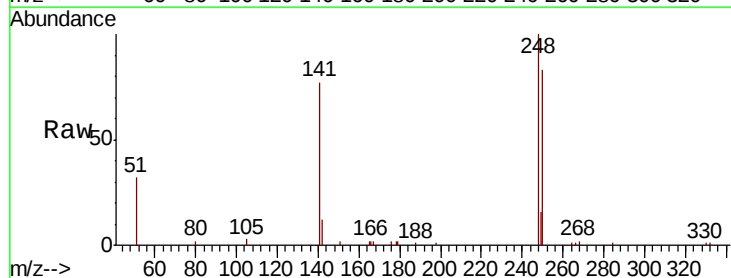
Tgt Ion:248 Resp: 6496

Ion Ratio Lower Upper

248 100

250 83.2 84.2 126.2#

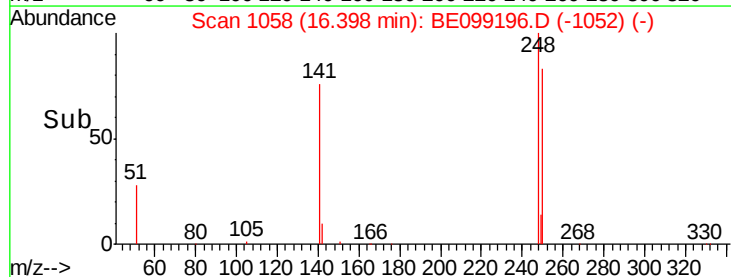
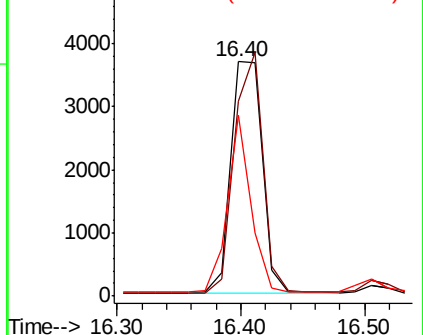
141 77.1 21.8 32.6#

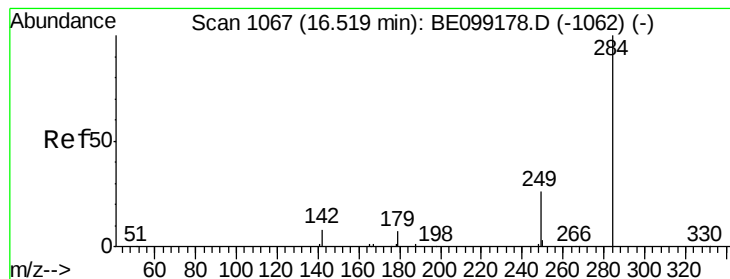


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.330 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

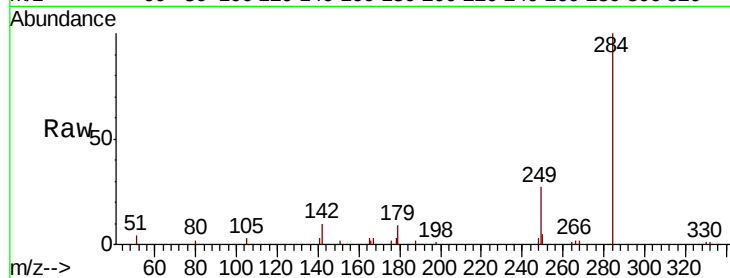
Tgt Ion:284 Resp: 6102

Ion Ratio Lower Upper

284 100

142 28.5 22.7 34.1

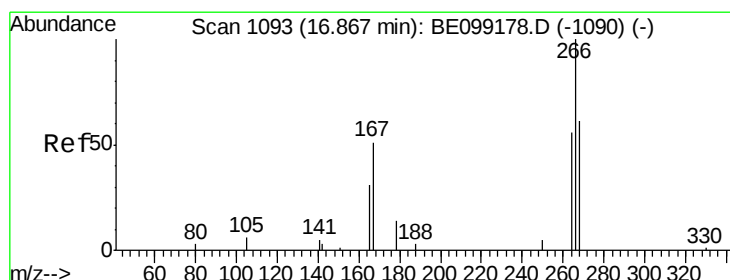
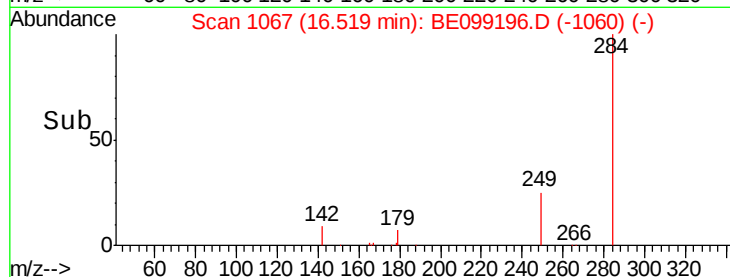
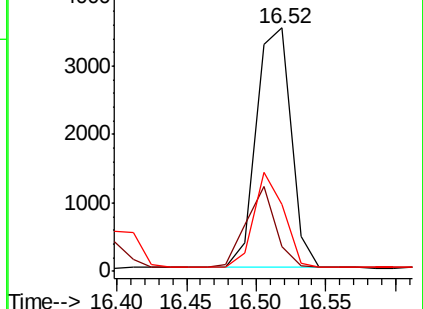
249 33.9 26.9 40.3



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: 1.492 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

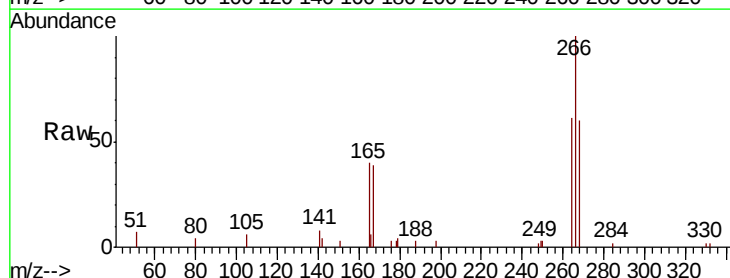
Tgt Ion:266 Resp: 3994

Ion Ratio Lower Upper

266 100

264 61.0 54.4 81.6

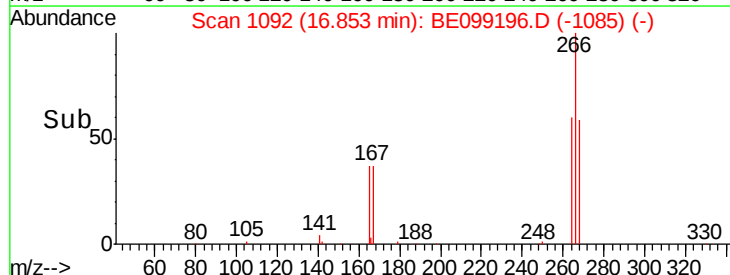
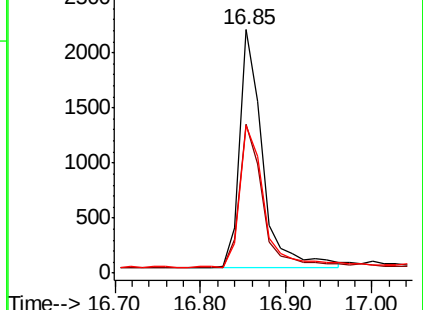
268 60.4 61.3 91.9#

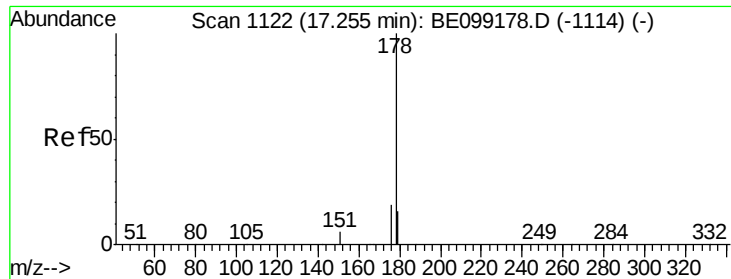


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.382 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

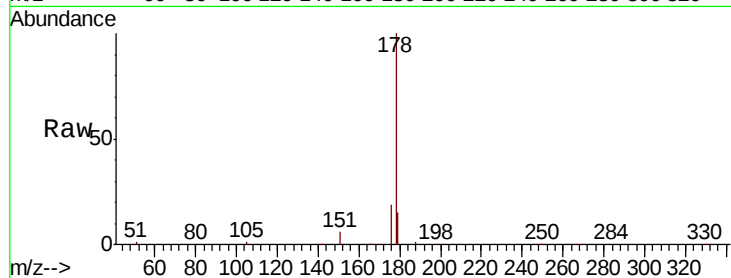
Tgt Ion:178 Resp: 33288

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.0 12.3 18.5

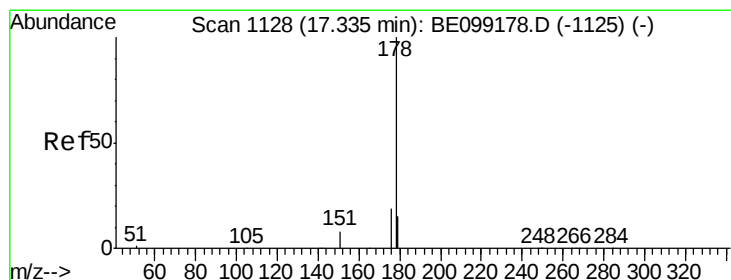
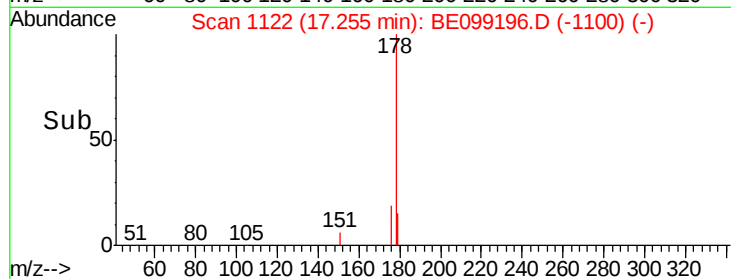
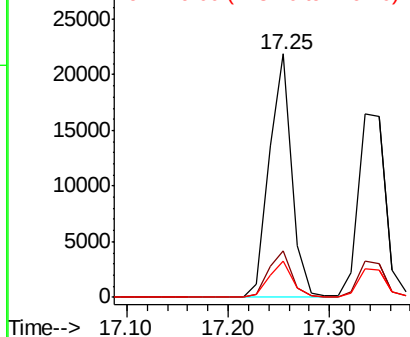


Abundance

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: 0.380 ng

RT: 17.34 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

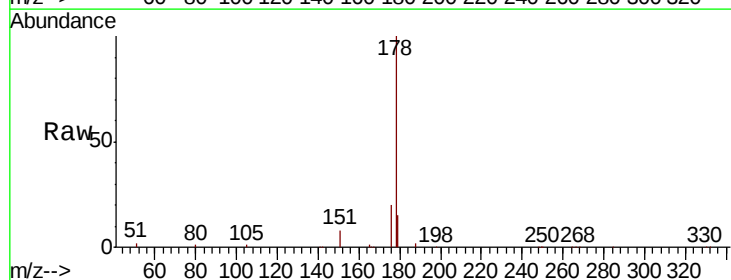
Tgt Ion:178 Resp: 29957

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.2 12.4 18.6

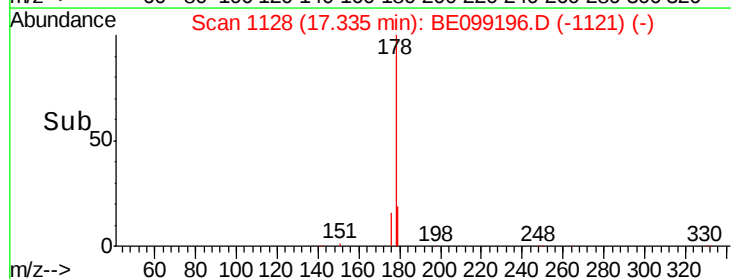
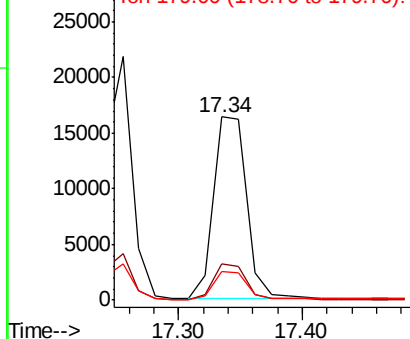


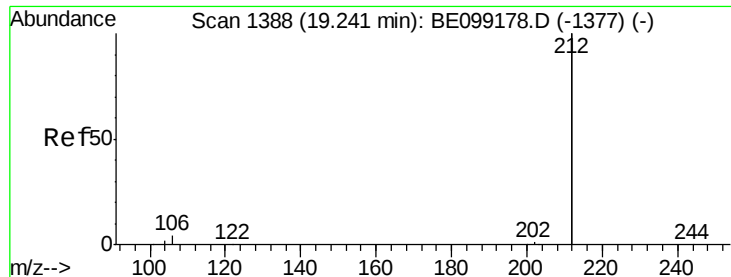
Abundance

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: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

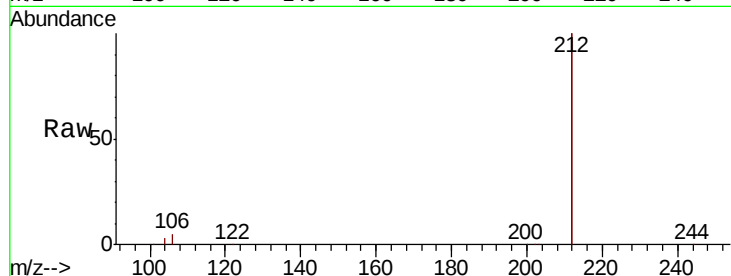
Tgt Ion:212 Resp: 152565

Ion Ratio Lower Upper

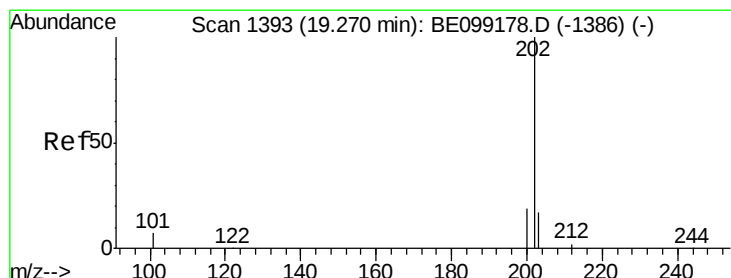
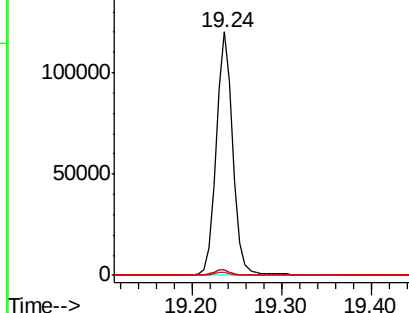
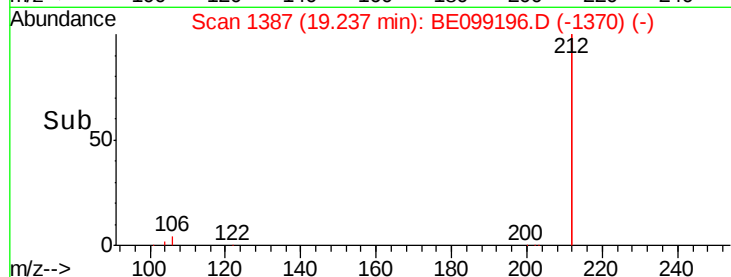
212 100

106 2.3 1.8 2.8

104 1.3 1.1 1.7



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: 0.400 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

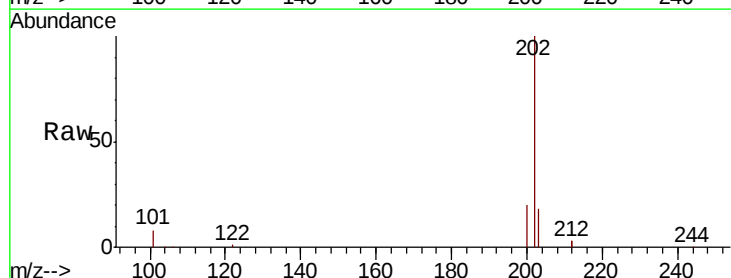
Tgt Ion:202 Resp: 44484

Ion Ratio Lower Upper

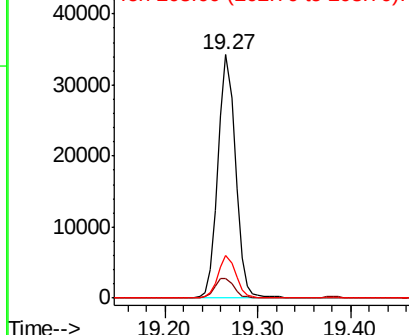
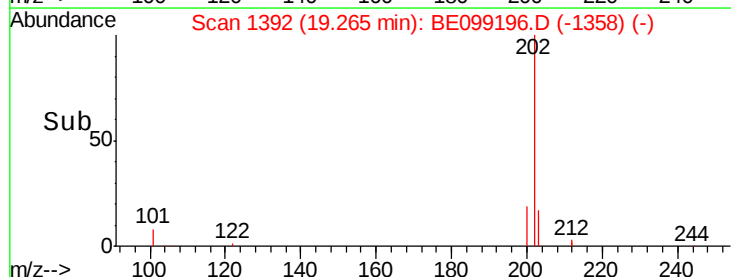
202 100

101 8.6 7.0 10.4

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

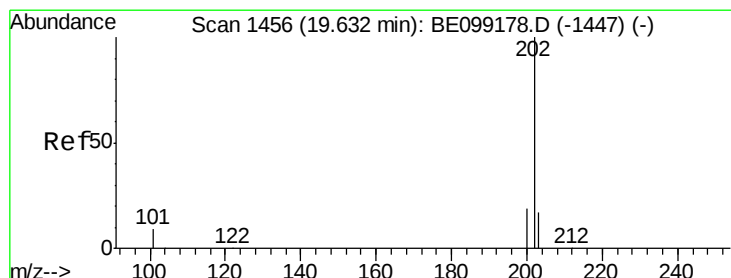
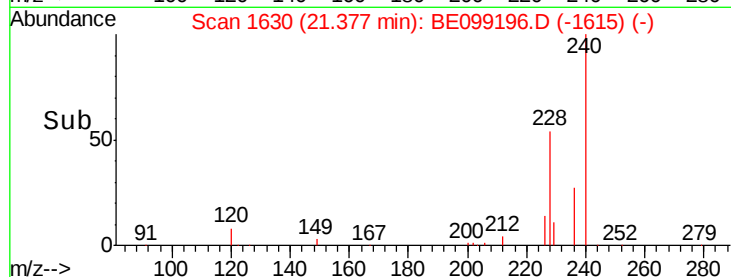
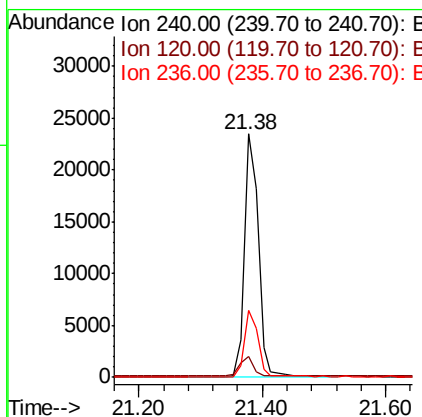
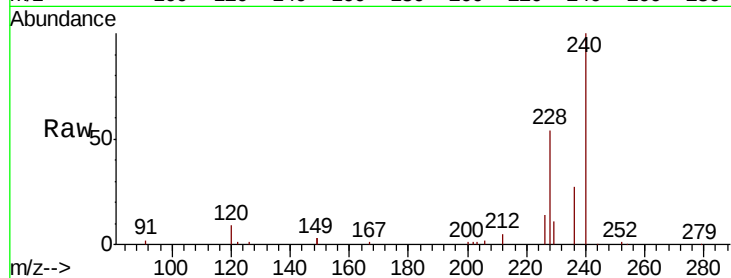




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BE099196.D
Acq: 26 Mar 2019 1:15

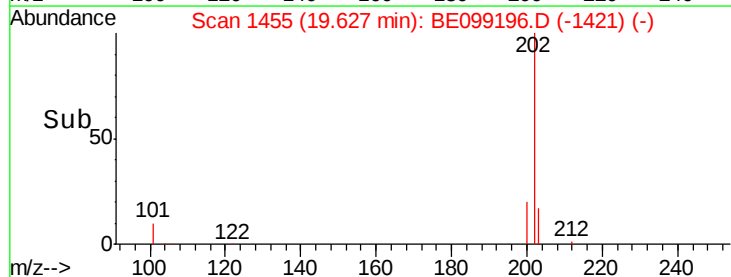
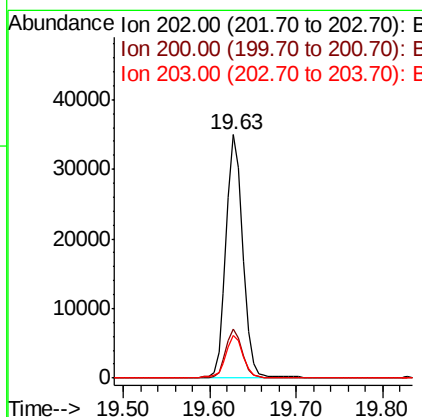
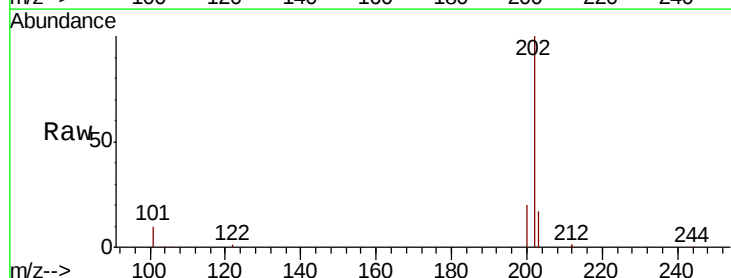
Instrument :
BNA_E
ClientSampleId :
P001-TW001-03MS

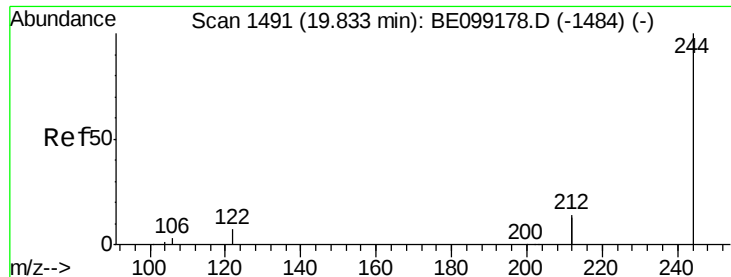
Tgt Ion:240 Resp: 36229
Ion Ratio Lower Upper
240 100
120 8.8 2.6 3.8#
236 27.4 20.9 31.3



#28
Pyrene
Concen: 0.386 ng
RT: 19.63 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BE099196.D
Acq: 26 Mar 2019 1:15

Tgt Ion:202 Resp: 46515
Ion Ratio Lower Upper
202 100
200 19.7 15.8 23.8
203 18.2 14.1 21.1





#29

Terphenyl-d14

Concen: 0.390 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

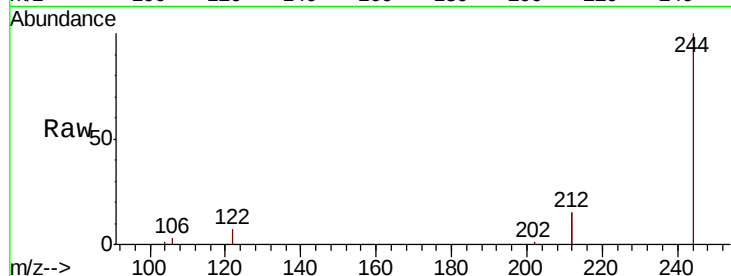
Tgt Ion:244 Resp: 30742

Ion Ratio Lower Upper

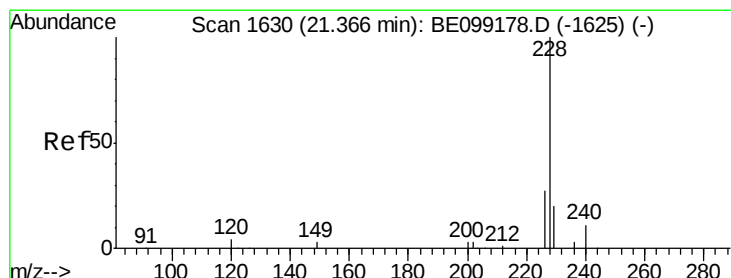
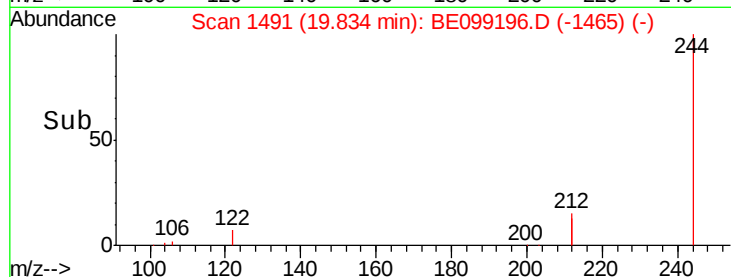
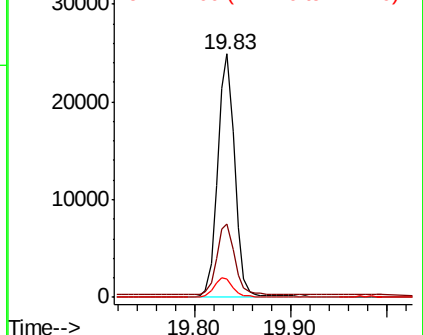
244 100

212 29.9 22.7 34.1

122 7.3 5.8 8.6



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: 0.386 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

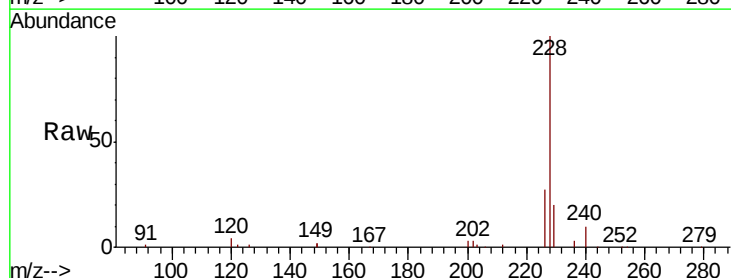
Tgt Ion:228 Resp: 46186

Ion Ratio Lower Upper

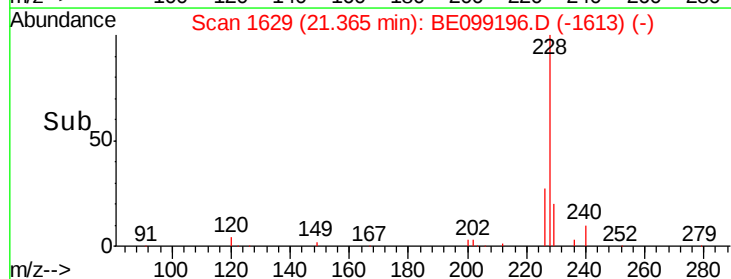
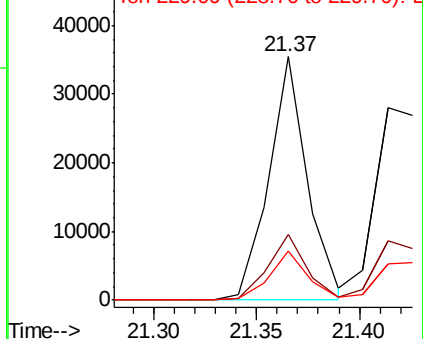
228 100

226 27.0 21.7 32.5

229 20.1 15.9 23.9



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: 0.366 ng

RT: 21.41 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

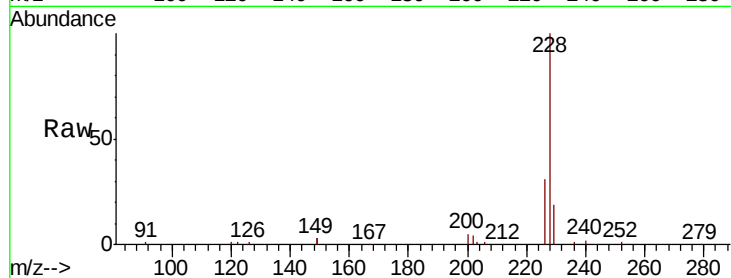
Tgt Ion:228 Resp: 46785

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

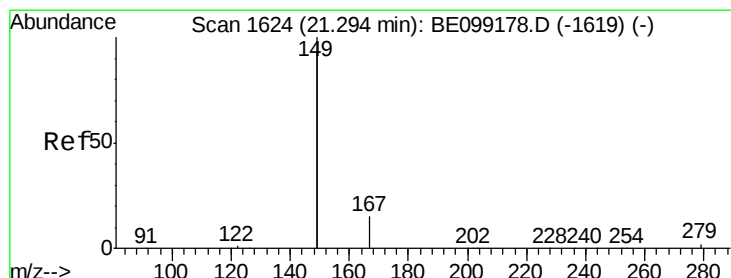
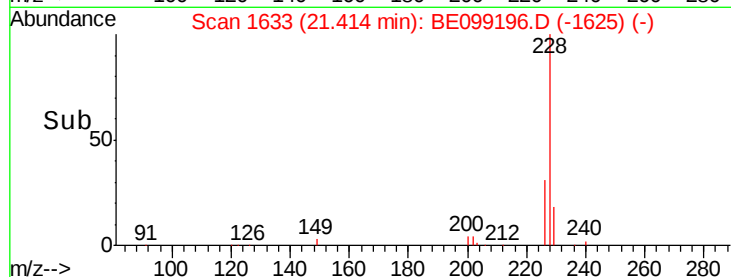
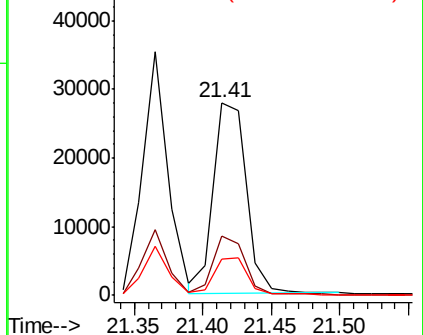
229 18.7 15.4 23.0



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: 0.437 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

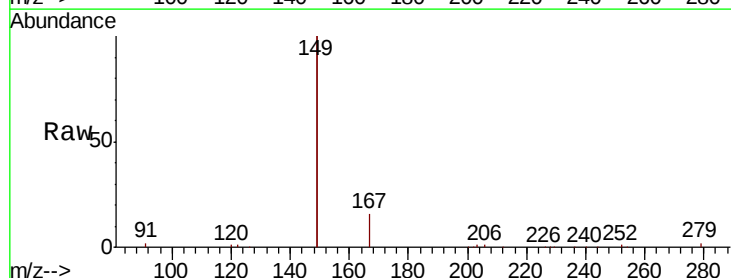
Tgt Ion:149 Resp: 62349

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

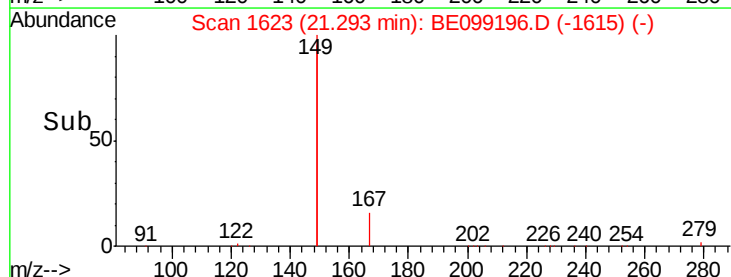
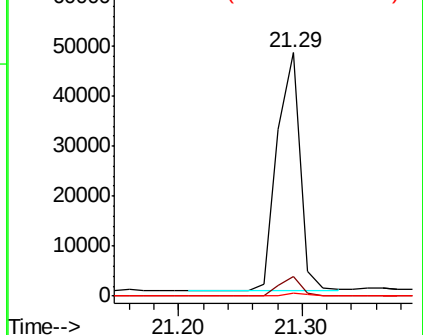
279 1.1 1.0 1.6



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: 0.349 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

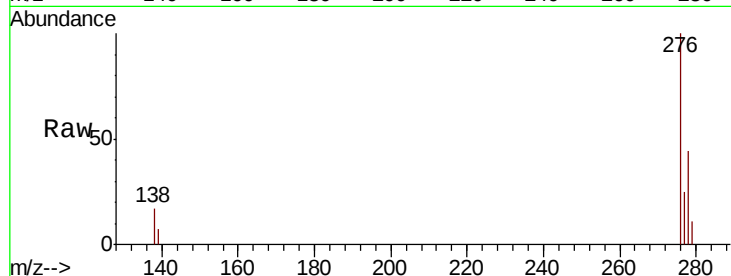
Tgt Ion:276 Resp: 42226

Ion Ratio Lower Upper

276 100

138 16.6 12.9 19.3

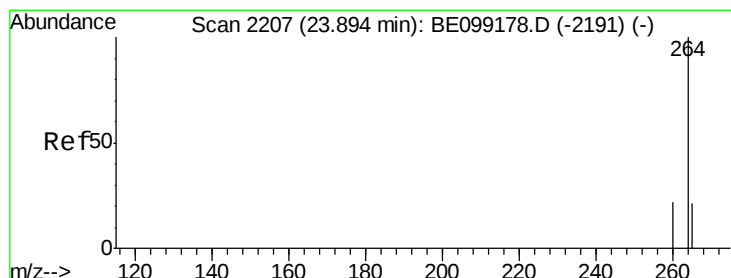
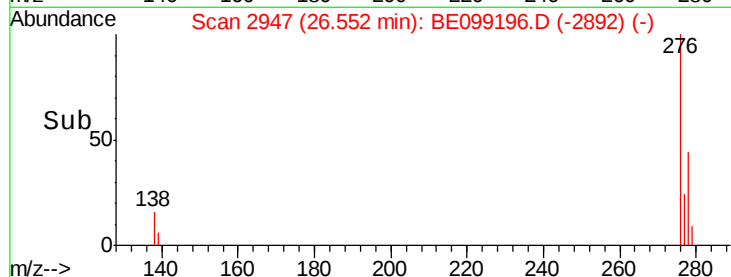
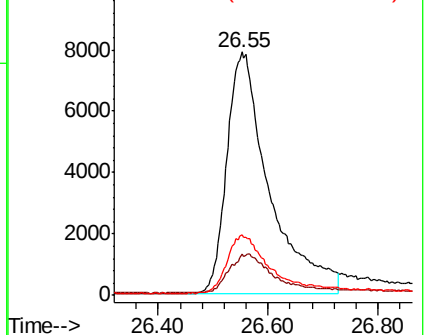
277 22.8 18.3 27.5



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: 23.89 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

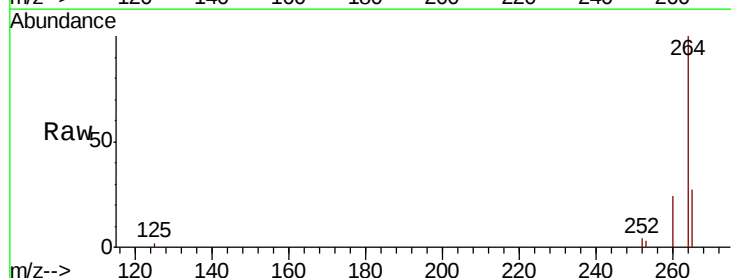
Tgt Ion:264 Resp: 34842

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

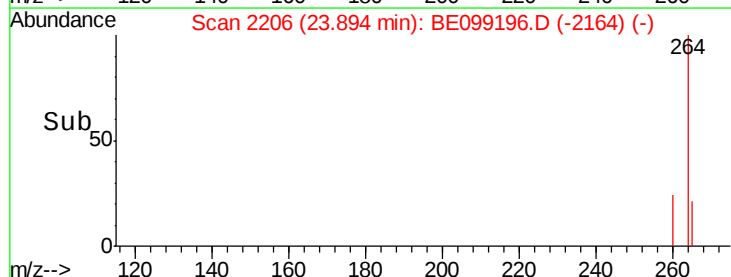
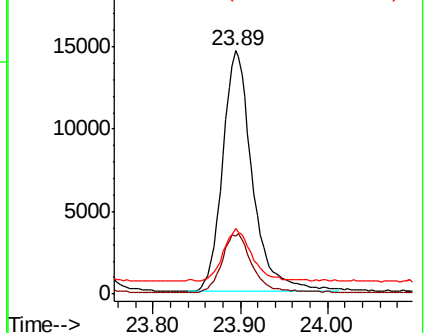
265 26.7 21.8 32.8

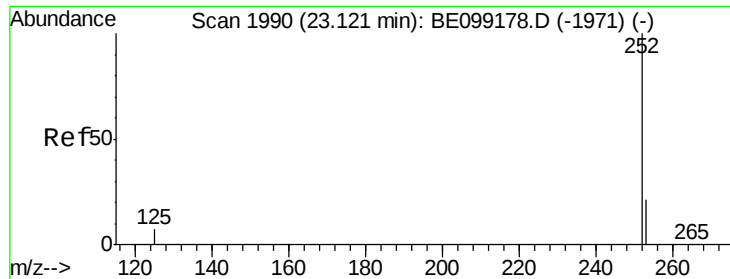


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.366 ng

RT: 23.12 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

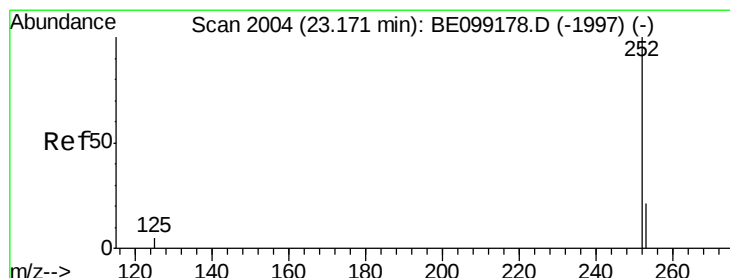
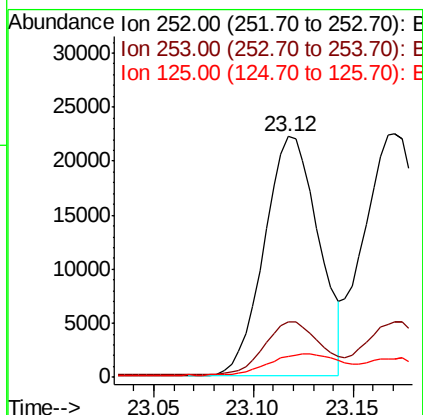
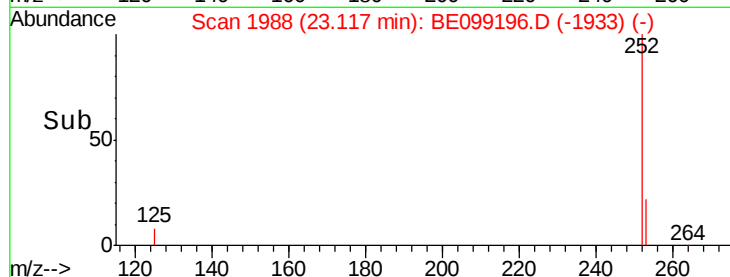
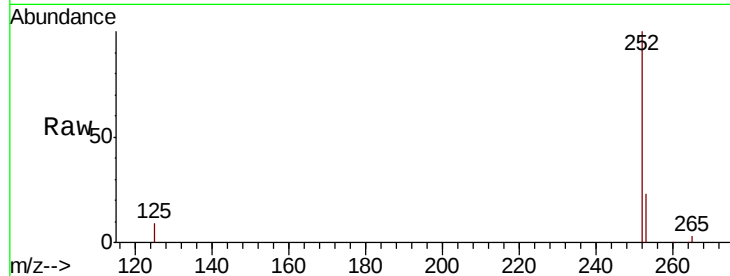
Tgt Ion:252 Resp: 41914

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 8.8 6.1 9.1



#36

Benzo(k)fluoranthene

Concen: 0.395 ng

RT: 23.17 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

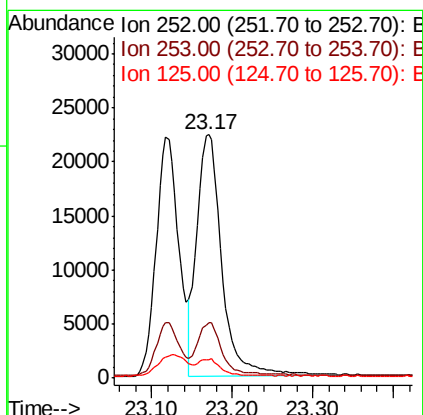
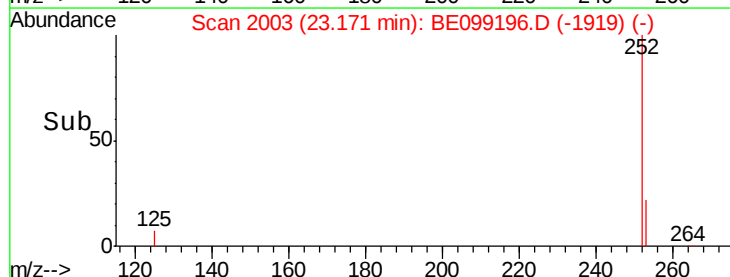
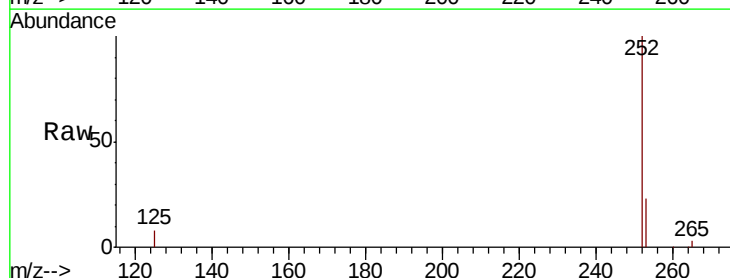
Tgt Ion:252 Resp: 47827

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 7.6 5.9 8.9





#37

Benzo(a)pyrene

Concen: 0.385 ng

RT: 23.78 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS

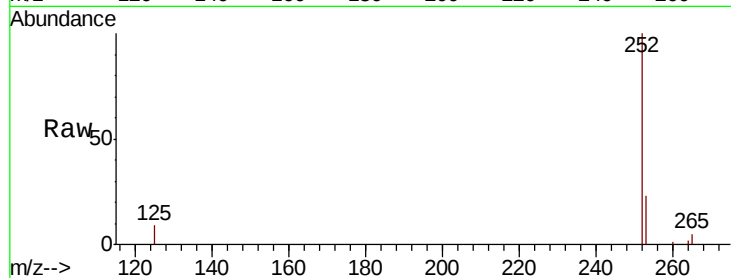
Tgt Ion:252 Resp: 41226

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

125 9.0 6.8 10.2

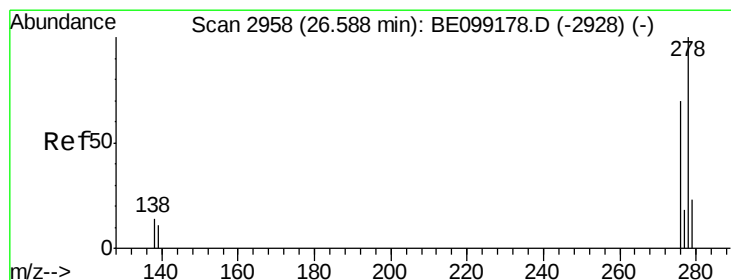
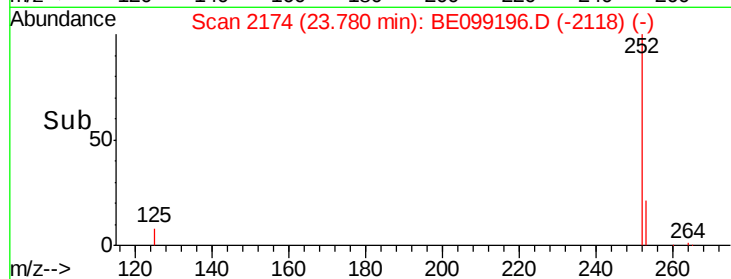
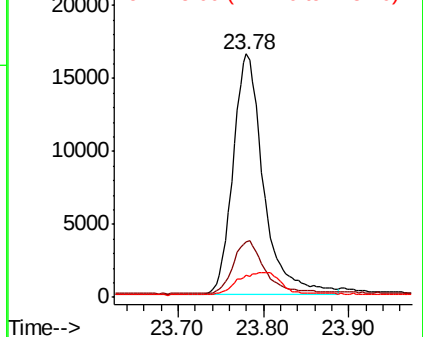


Abundance

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: 0.375 ng

RT: 26.58 min Scan# 2956

Delta R.T. -0.00 min

Lab File: BE099196.D

Acq: 26 Mar 2019 1:15

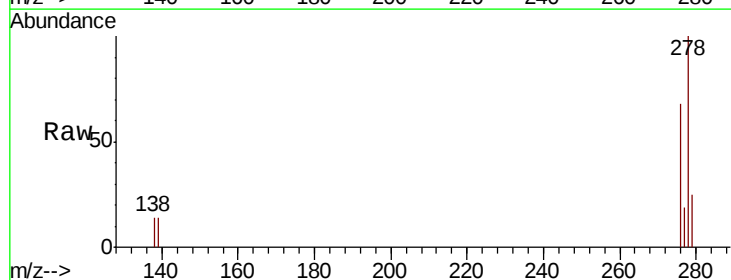
Tgt Ion:278 Resp: 35682

Ion Ratio Lower Upper

278 100

139 13.8 9.5 14.3

279 24.6 19.1 28.7

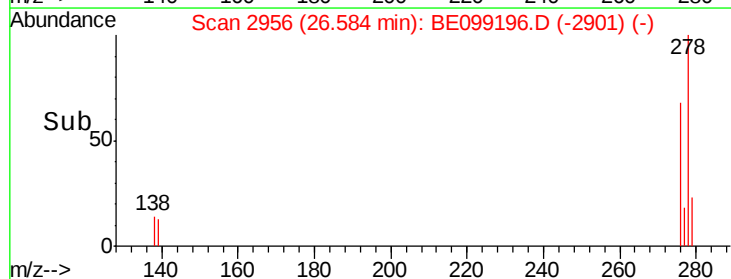
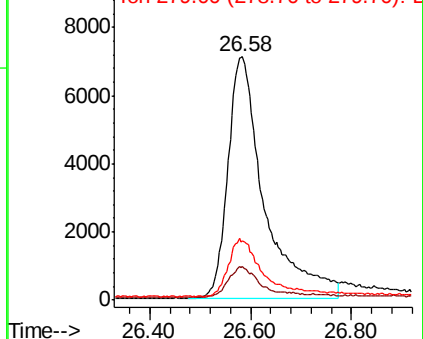


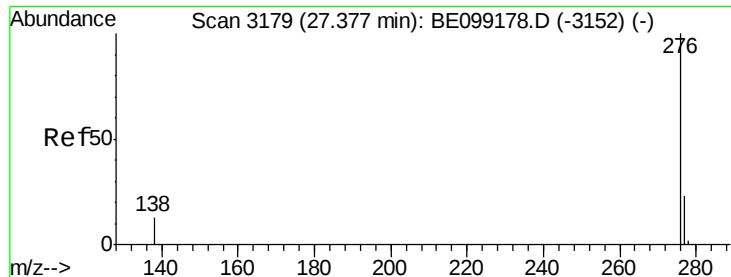
Abundance

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: 0.357 ng

RT: 27.37 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE099196.D

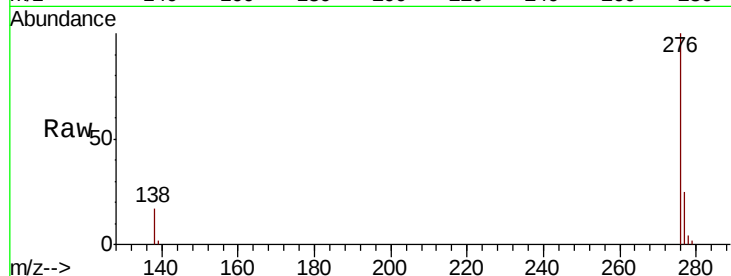
Acq: 26 Mar 2019 1:15

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MS



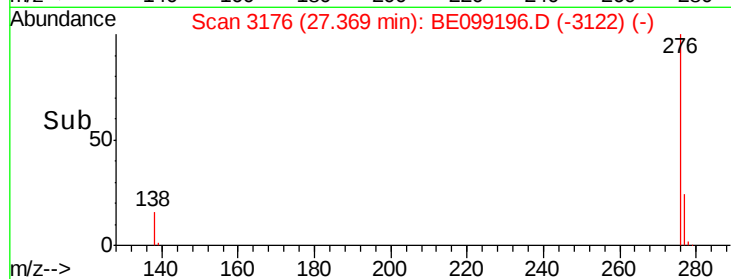
Tgt Ion: 276 Resp: 34029

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 16.6 11.1 16.7



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

