

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052919\
 Data File : BE099778.D
 Acq On : 29 May 2019 16:11
 Operator : JU/SJ
 Sample : K3066-03MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-27(3.5-4)MS

Quant Time: May 29 17:27:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1428	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	4687	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3264	0.40	ng	-0.02
19) Phenanthrene-d10	17.23	188	9564	0.40	ng	0.00
27) Chrysene-d12	21.41	240	14128	0.40	ng	0.00
34) Perylene-d12	23.94	264	16535	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1337	0.37	ng	0.00
5) Phenol-d6	6.96	99	1766	0.37	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1330	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2320	0.29	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	680	0.40	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3471	0.28	ng	0.00
25) Fluoranthene-d10	19.26	212	33415	0.26	ng	0.00
29) Terphenyl-d14	19.85	244	7457	0.30	ng	-0.02

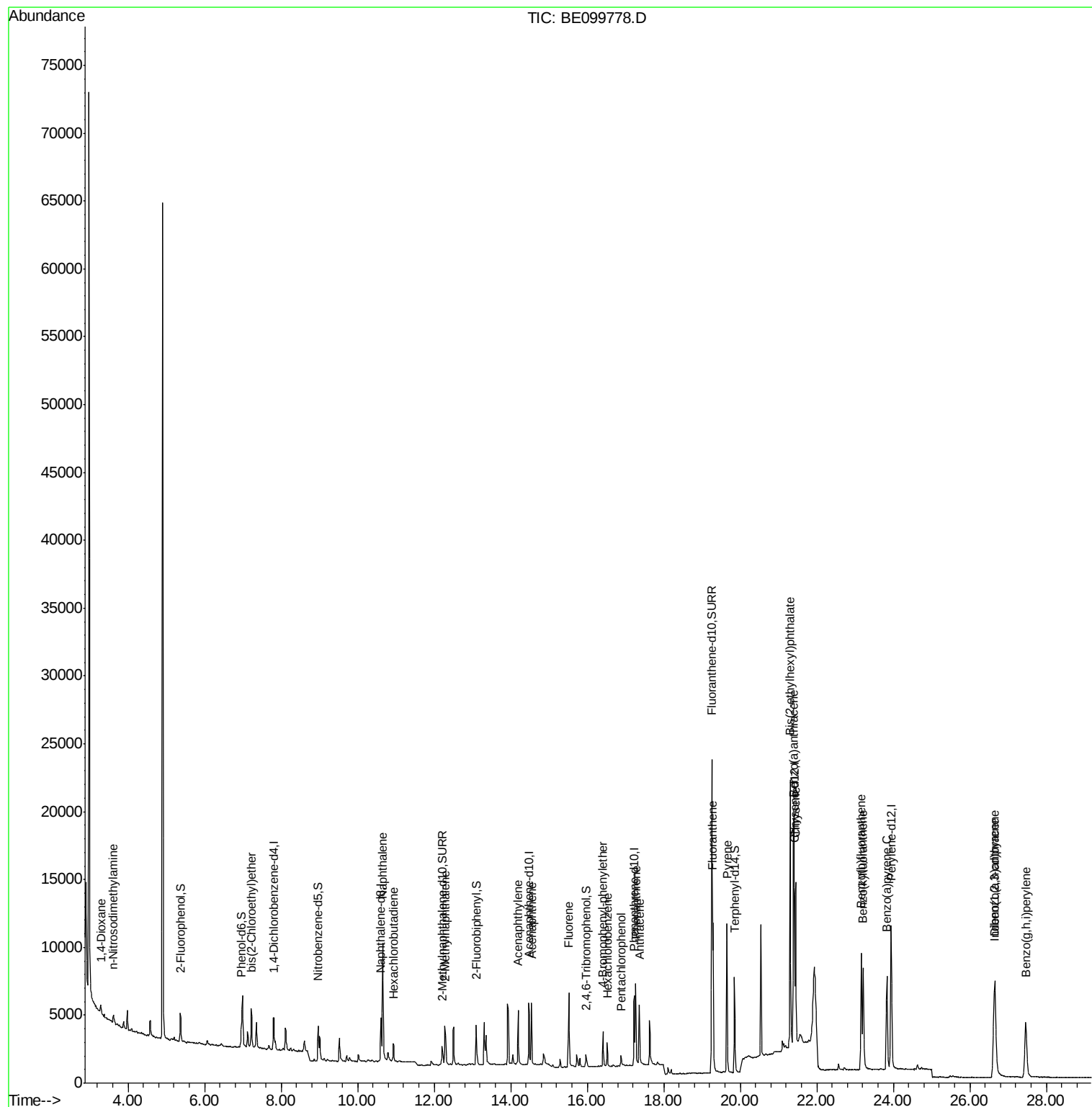
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	498	0.236	ng	# 58
3) n-Nitrosodimethylamine	3.61	42	461	0.395	ng	# 97
6) bis(2-Chloroethyl)ether	7.23	93	1238	0.291	ng	97
9) Naphthalene	10.65	128	15408	0.307	ng	99
10) Hexachlorobutadiene	10.93	225	1027	0.278	ng	98
12) 2-Methylnaphthalene	12.28	142	2476	0.303	ng	96
16) Acenaphthylene	14.20	152	4627	0.304	ng	99
17) Acenaphthene	14.54	154	2556	0.299	ng	99
18) Fluorene	15.51	166	3605	0.287	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1496	0.271	ng	# 90
21) Hexachlorobenzene	16.52	284	1509	0.267	ng	98
22) Pentachlorophenol	16.88	266	607	0.525	ng	89
23) Phenanthrene	17.27	178	7282	0.312	ng	98
24) Anthracene	17.36	178	6336	0.299	ng	100
26) Fluoranthene	19.29	202	10852	0.294	ng	99
28) Pyrene	19.65	202	11349	0.320	ng	99
30) Benzo(a)anthracene	21.39	228	12501	0.311	ng	99
31) Chrysene	21.45	228	13234	0.308	ng	98
32) Bis(2-ethylhexyl)phthalate	21.31	149	21671	0.468	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	13828	0.267	ng	99
35) Benzo(b)fluoranthene	23.16	252	12562	0.277	ng	# 93
36) Benzo(k)fluoranthene	23.21	252	12504	0.265	ng	# 95
37) Benzo(a)pyrene	23.83	252	12001	0.275	ng	# 95
38) Dibenzo(a,h)anthracene	26.66	278	11389	0.249	ng	# 94
39) Benzo(g,h,i)perylene	27.46	276	11651	0.252	ng	97

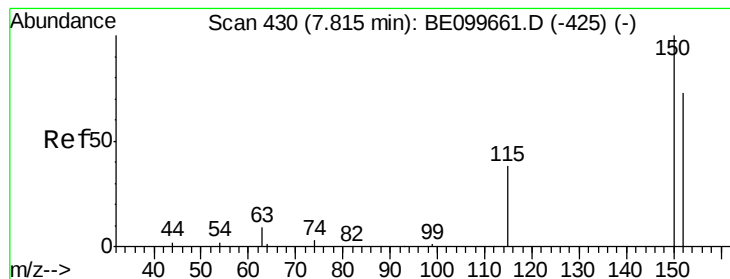
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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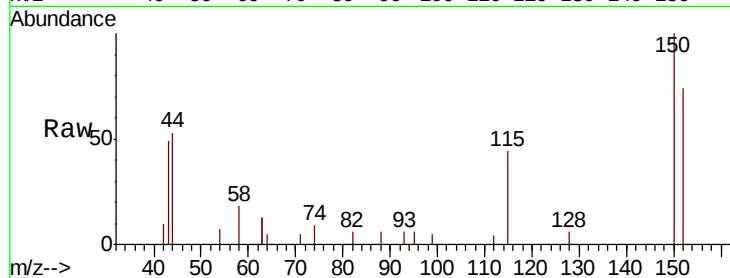


#1

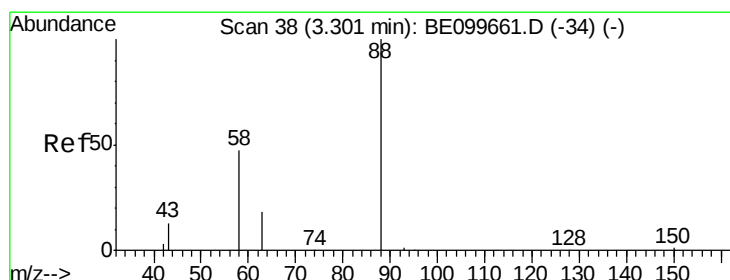
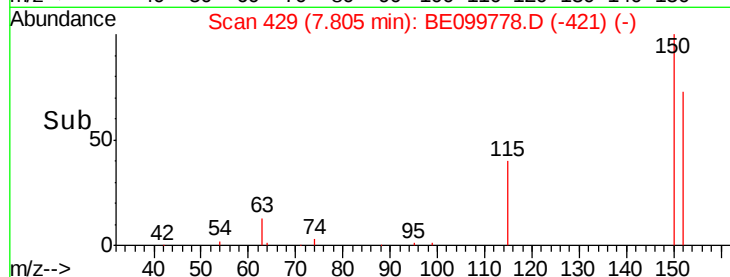
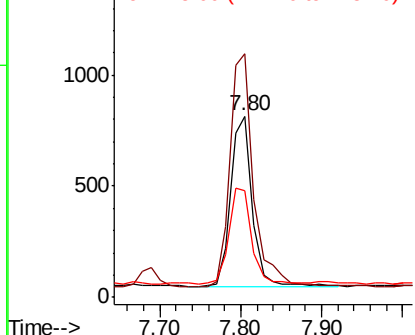
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion:152 Resp: 1428
Ion Ratio Lower Upper
152 100
150 134.5 109.2 163.8
115 59.2 43.7 65.5



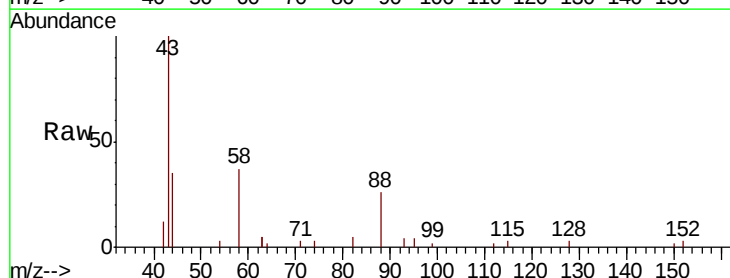
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



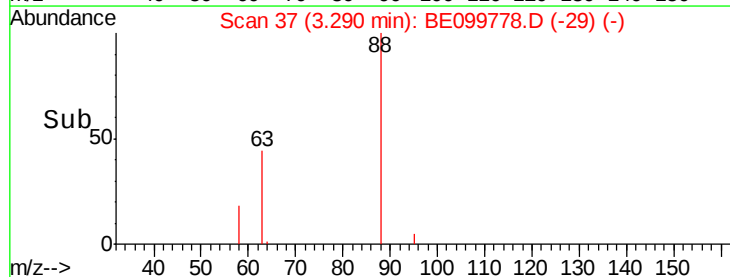
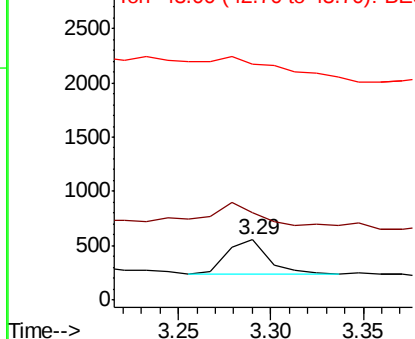
#2

1,4-Dioxane
Concen: 0.236 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion: 88 Resp: 498
Ion Ratio Lower Upper
88 100
58 81.9 41.8 62.8#
43 0.0 15.0 22.4#



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: 0.395 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

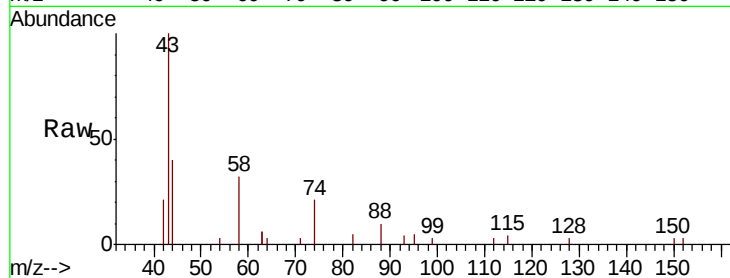
Tot Ion: 42 Resp: 461

Ion Ratio Lower Upper

42 100

74 157.9 129.2 193.8

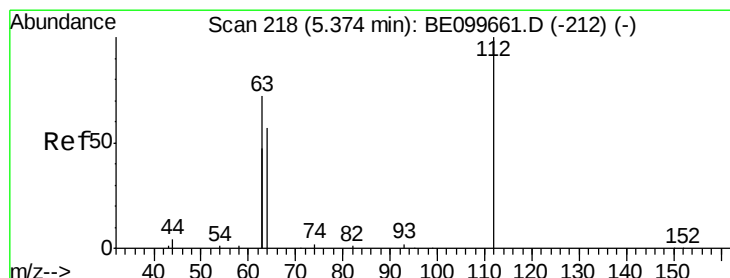
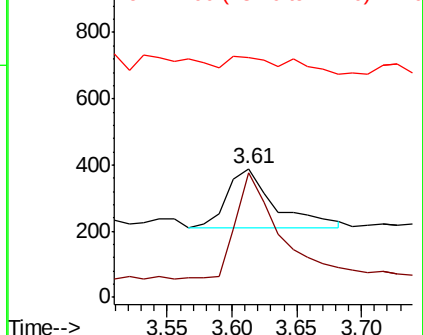
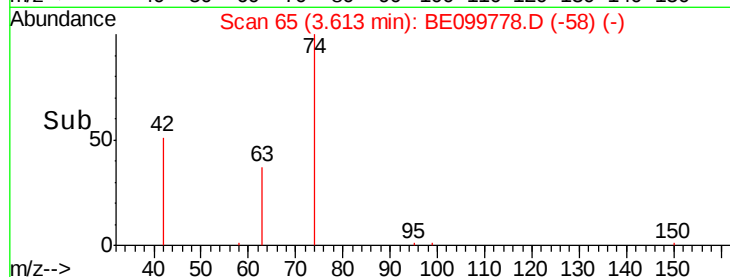
44 38.8 0.0 0.0#



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: 0.371 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

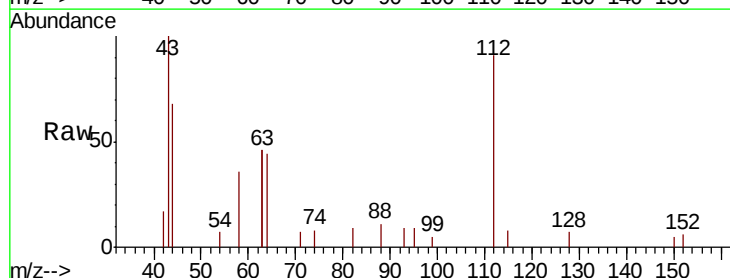
Tgt Ion: 112 Resp: 1337

Ion Ratio Lower Upper

112 100

64 55.3 43.4 65.2

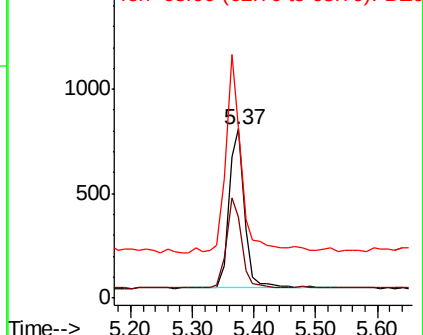
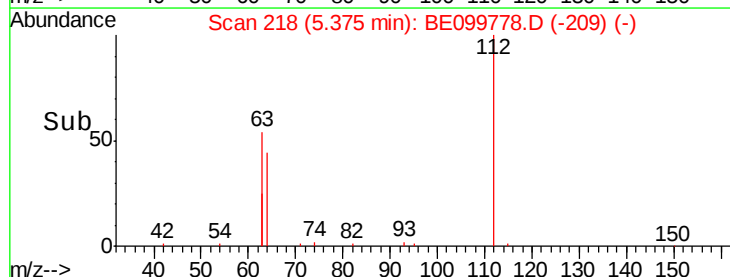
63 123.1 96.9 145.3

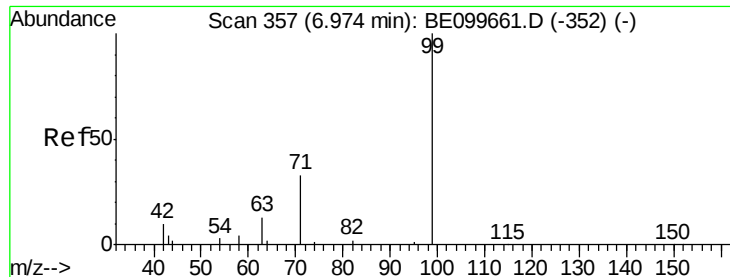


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.370 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

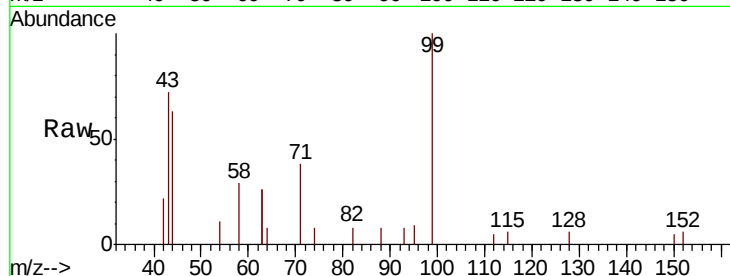
Tot Ion: 99 Resp: 1766

Ion Ratio Lower Upper

99 100

42 20.0 12.2 18.2#

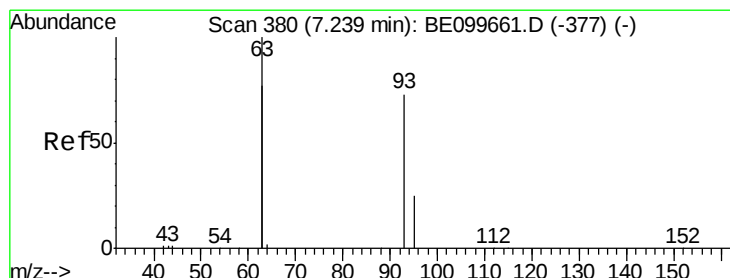
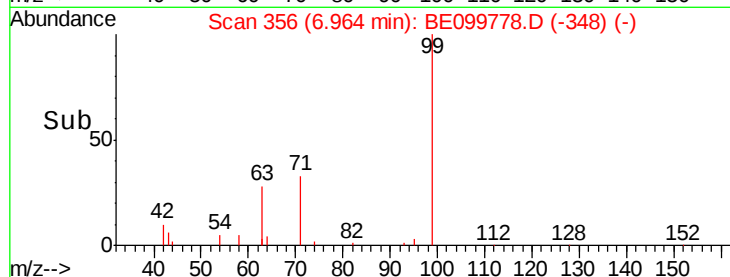
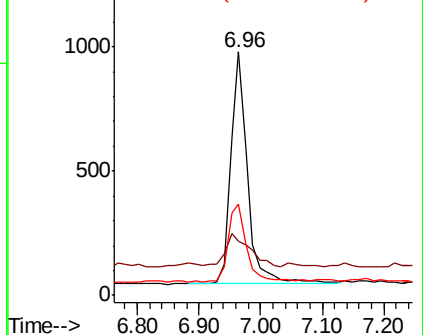
71 37.7 28.9 43.3



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: 0.291 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

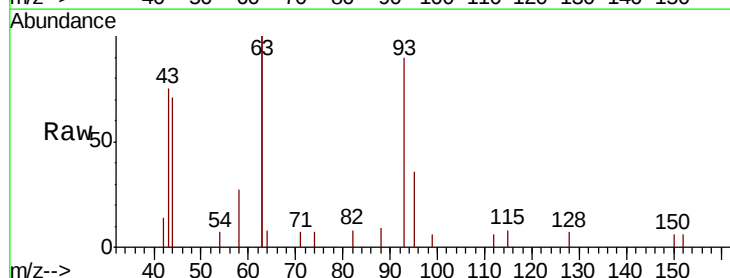
Tgt Ion: 93 Resp: 1238

Ion Ratio Lower Upper

93 100

63 265.6 207.8 311.6

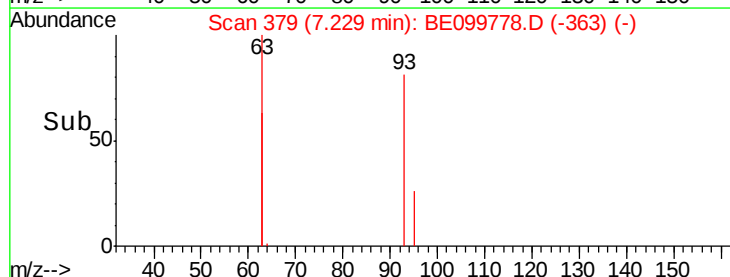
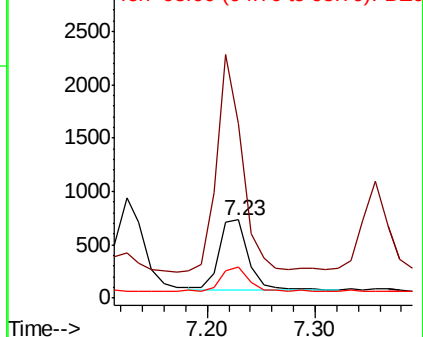
95 34.7 25.9 38.9

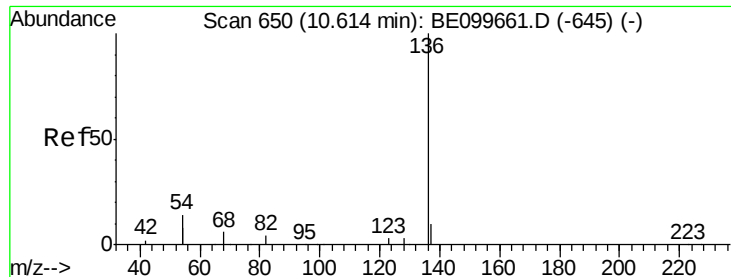


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:136 Resp: 4687

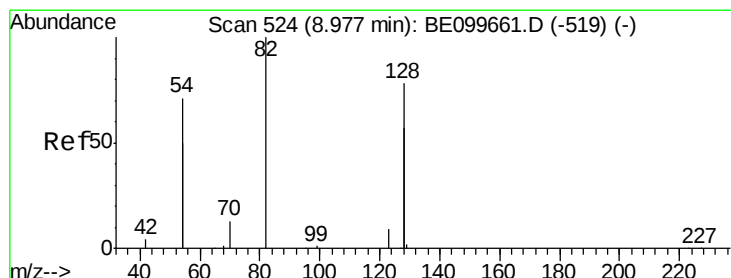
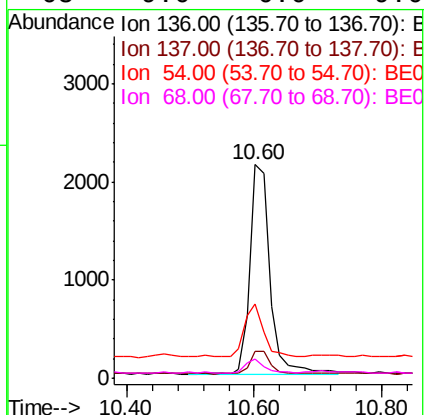
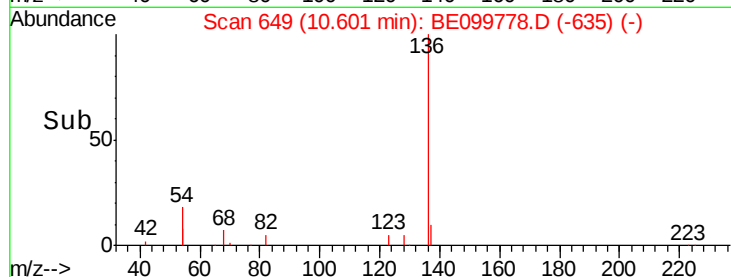
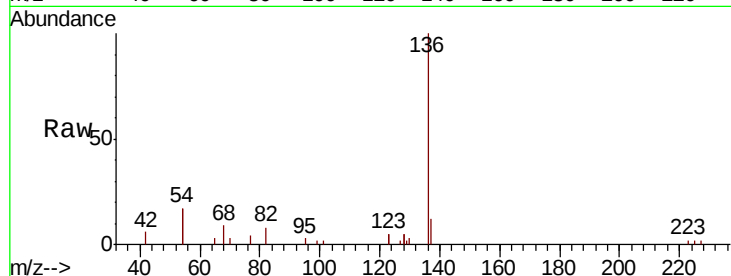
Ion Ratio Lower Upper

136 100

137 12.5 9.0 13.6

54 34.8 22.3 33.5#

68 9.0 6.0 9.0



#8

Nitrobenzene-d5

Concen: 0.328 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

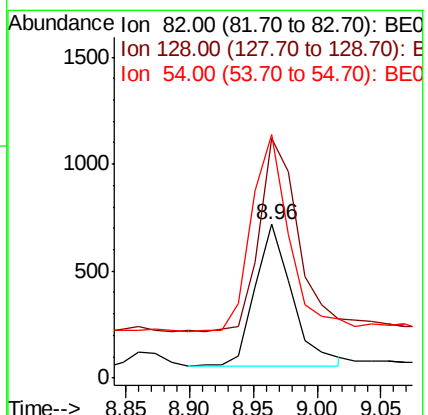
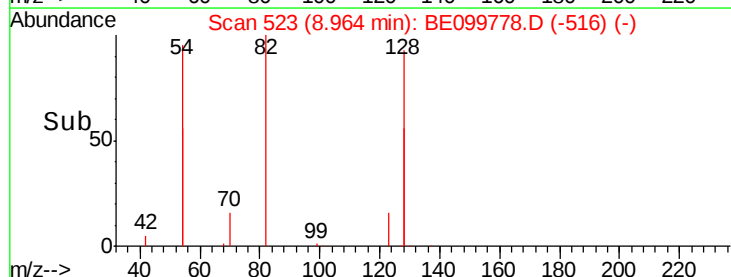
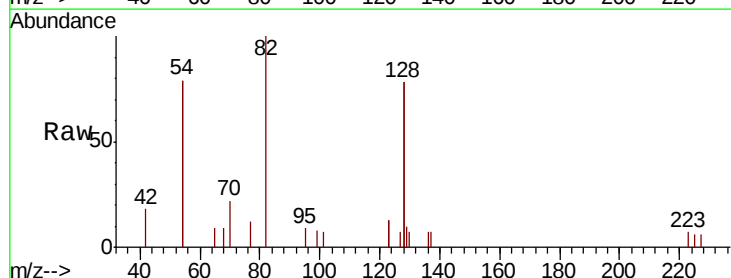
Tgt Ion: 82 Resp: 1330

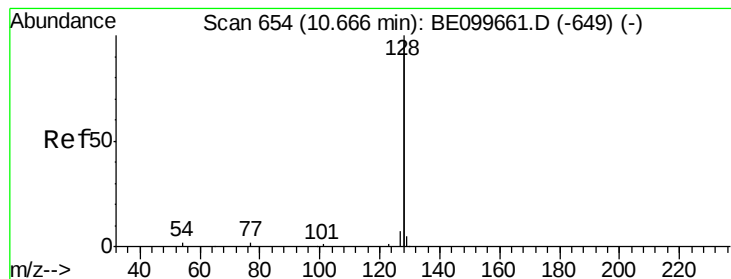
Ion Ratio Lower Upper

82 100

128 156.5 117.7 176.5

54 158.7 106.6 160.0





#9

Naphthalene

Concen: 0.307 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

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ClientSampleId :

FESB-27(3.5-4)MS

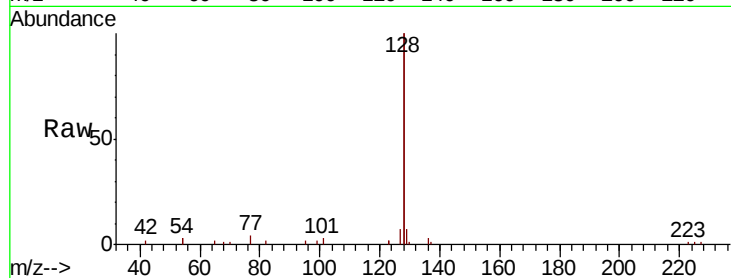
Tot Ion:128 Resp: 15408

Ion Ratio Lower Upper

128 100

129 3.3 2.4 3.6

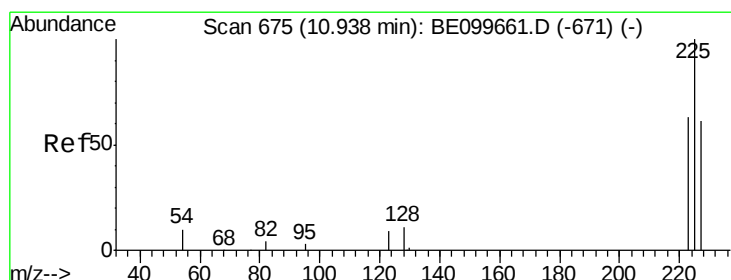
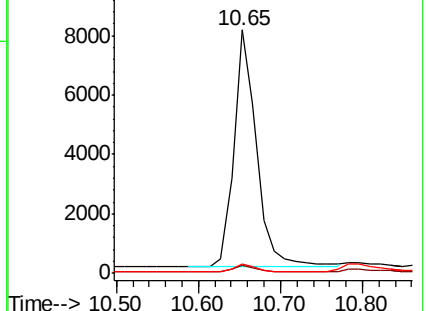
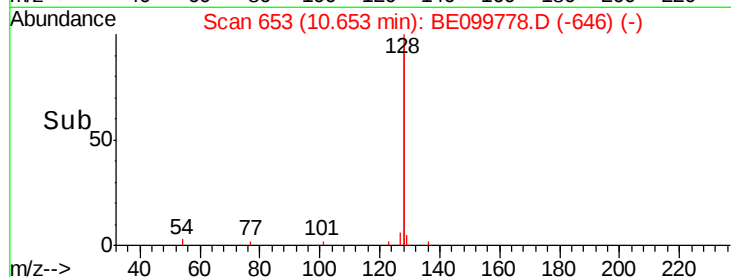
127 3.7 2.9 4.3



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: 0.278 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

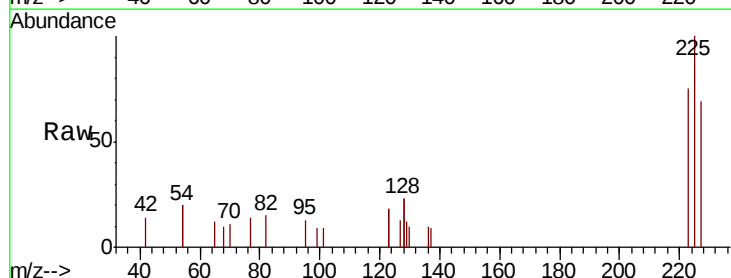
Tgt Ion:225 Resp: 1027

Ion Ratio Lower Upper

225 100

223 66.1 51.8 77.6

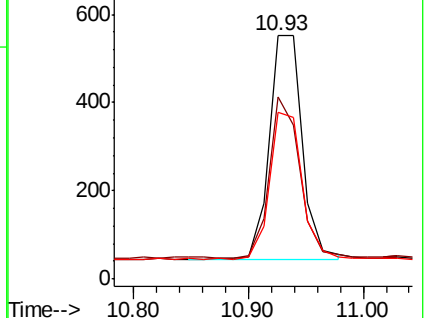
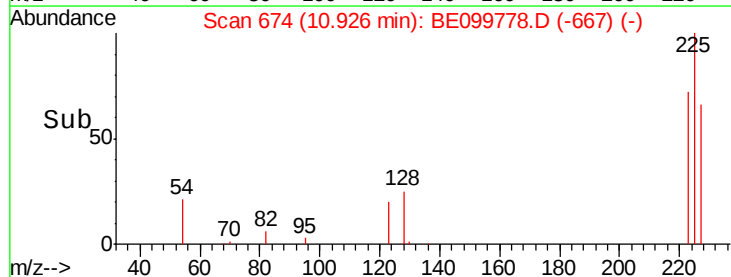
227 64.1 52.6 79.0

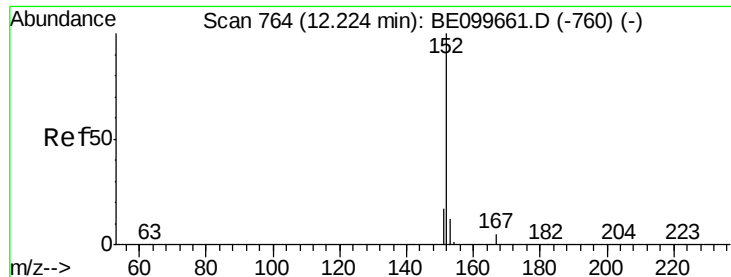


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

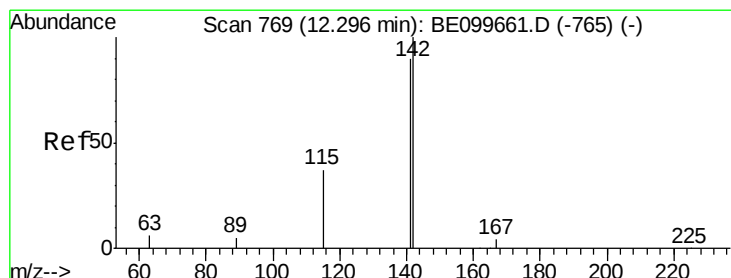
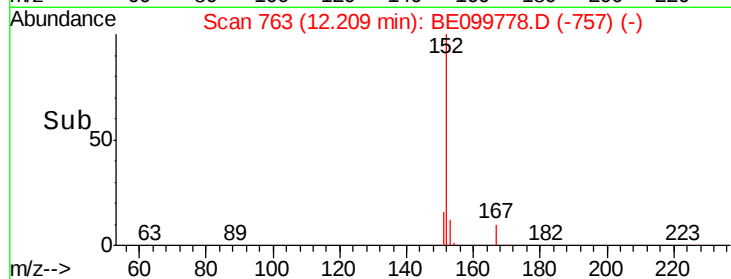
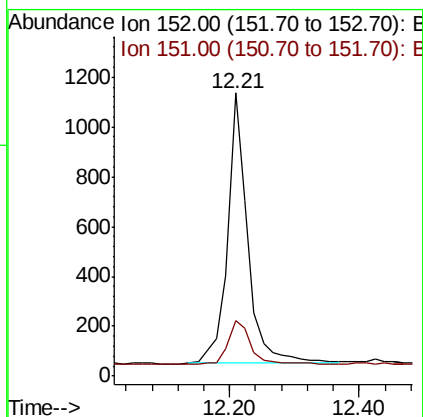
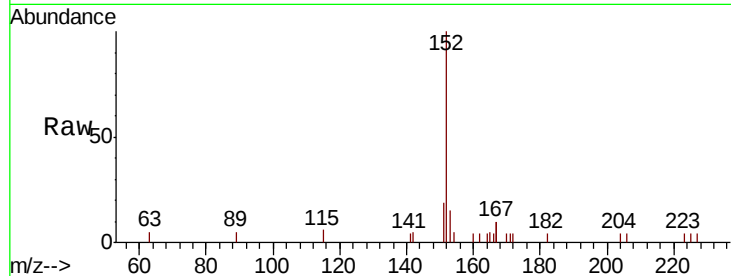




#11
2-Methylnaphthalene-d10
Concen: 0.287 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

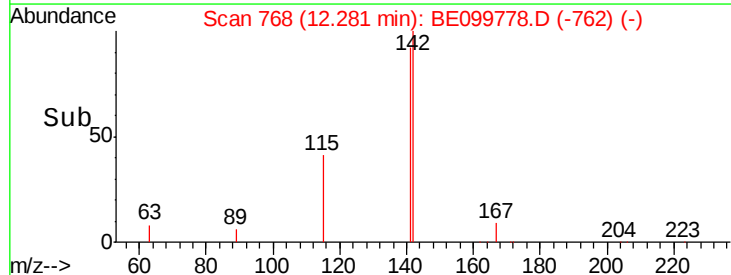
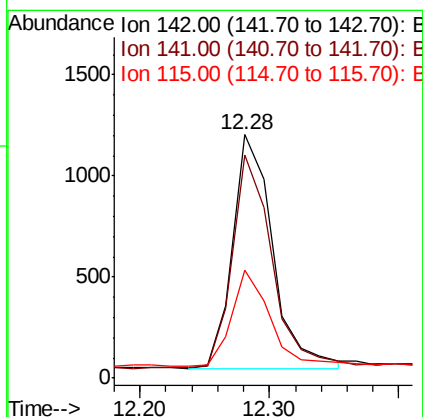
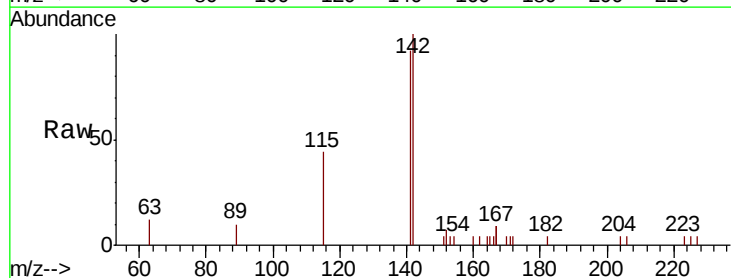
Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

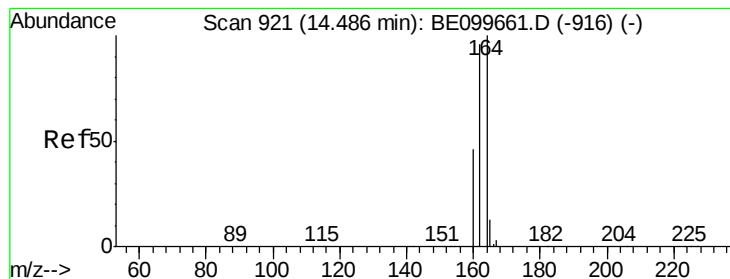
Tot Ion:152 Resp: 2320
Ion Ratio Lower Upper
152 100
151 18.5 15.0 22.4



#12
2-Methylnaphthalene
Concen: 0.303 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:142 Resp: 2476
Ion Ratio Lower Upper
142 100
141 91.9 72.0 108.0
115 44.4 31.0 46.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.02 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

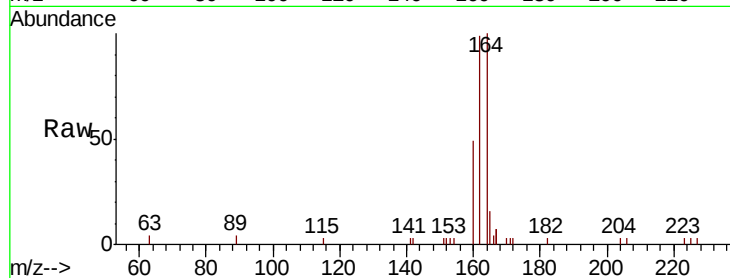
Tot Ion:164 Resp: 3264

Ion Ratio Lower Upper

164 100

162 99.4 76.5 114.7

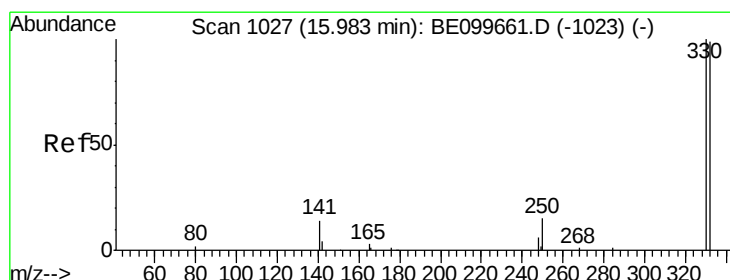
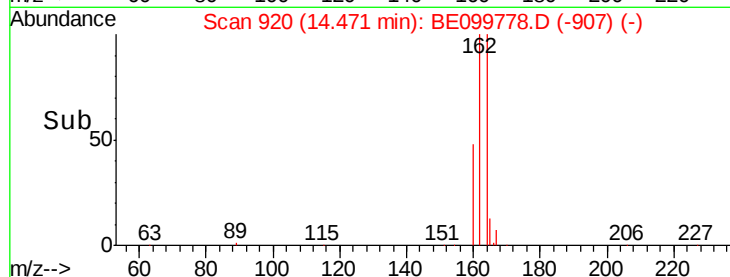
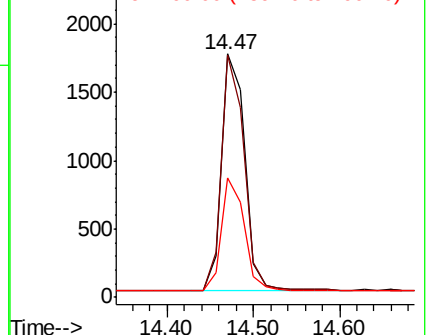
160 48.9 37.4 56.2



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: 0.405 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

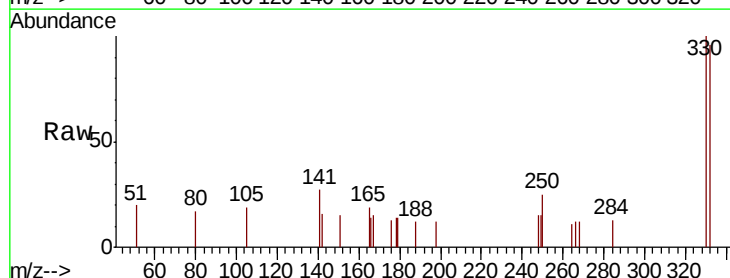
Tgt Ion:330 Resp: 680

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

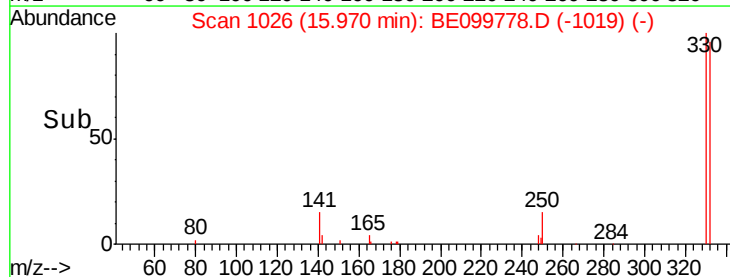
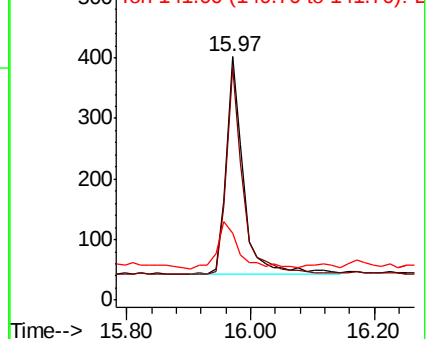
141 27.5 18.9 28.3



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

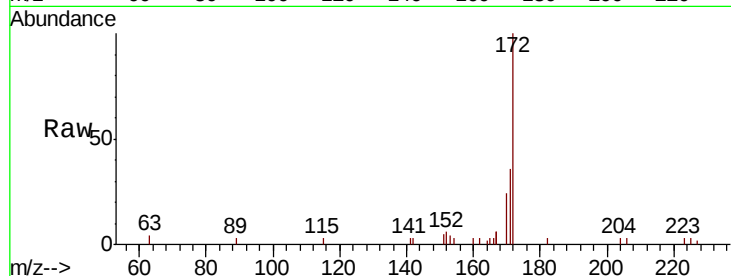




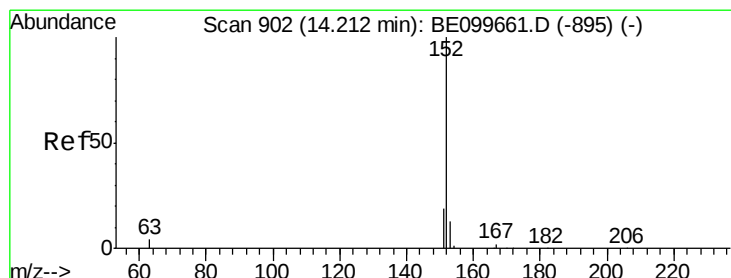
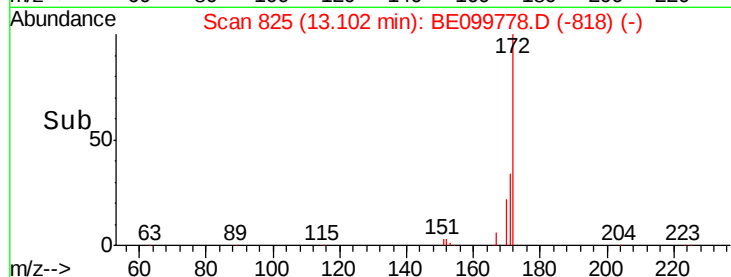
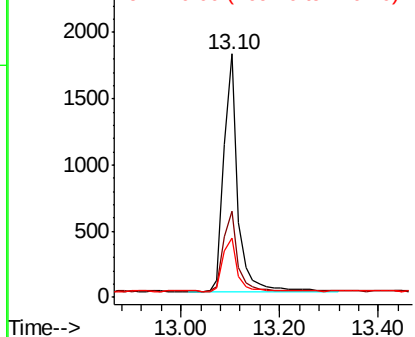
#15
2-Fluorobiphenyl
Concen: 0.280 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion:172 Resp: 3471
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 24.3 20.9 31.3

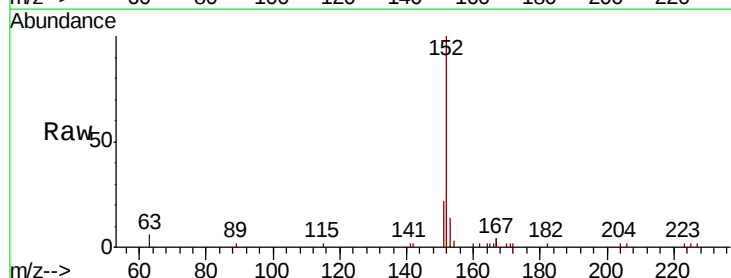


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

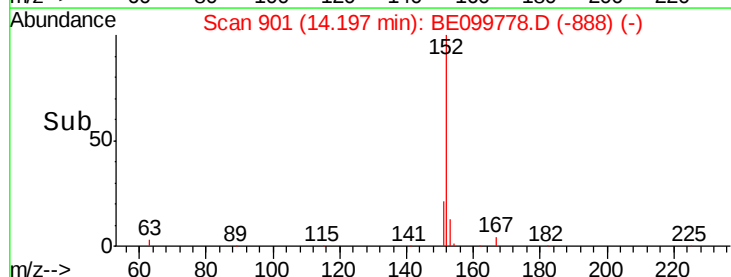
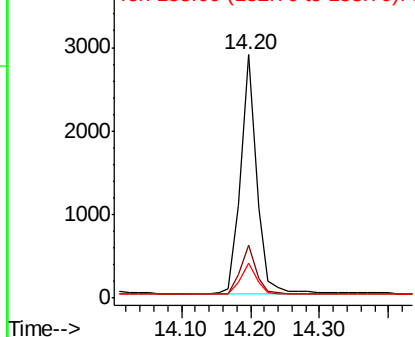


#16
Acenaphthylene
Concen: 0.304 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:152 Resp: 4627
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 13.0 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

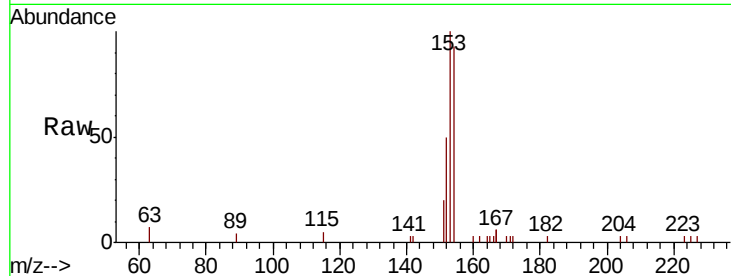




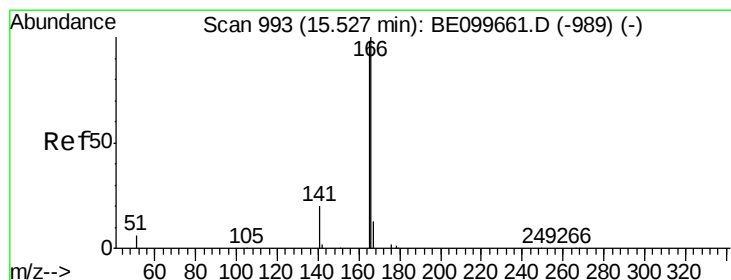
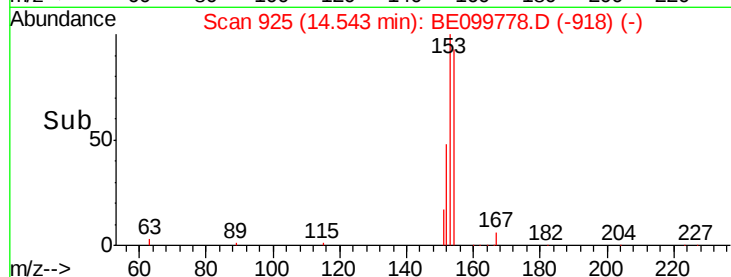
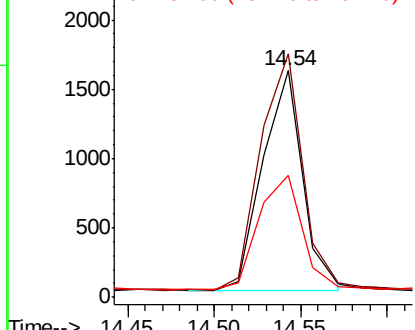
#17
Acenaphthene
Concen: 0.299 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion:154 Resp: 2556
Ion Ratio Lower Upper
154 100
153 114.1 91.8 137.6
152 56.5 46.0 69.0

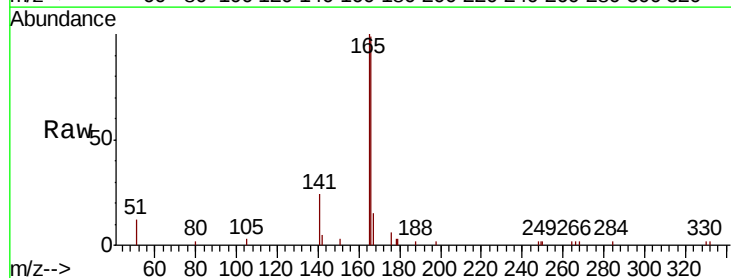


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

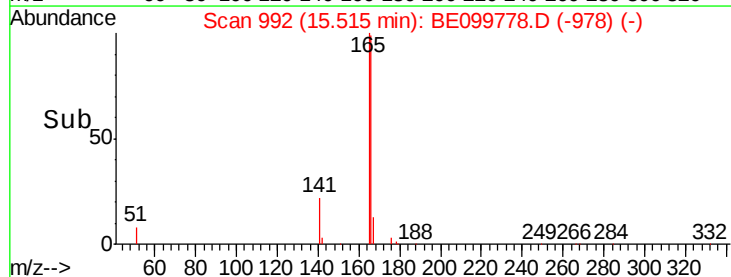
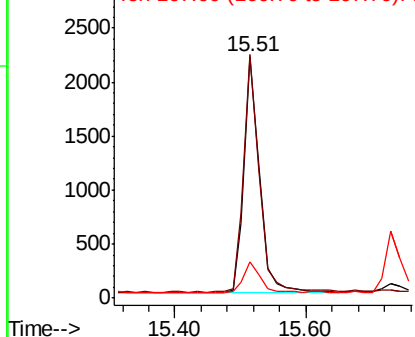


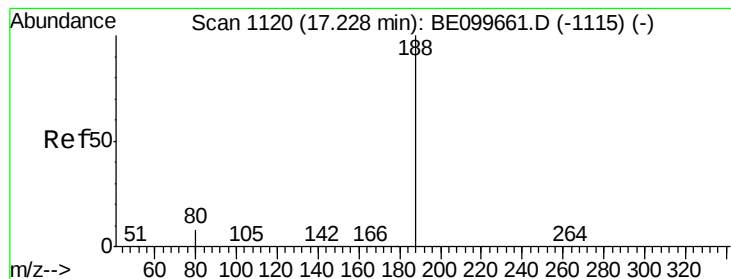
#18
Fluorene
Concen: 0.287 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:166 Resp: 3605
Ion Ratio Lower Upper
166 100
165 101.5 80.3 120.5
167 13.6 10.6 16.0



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: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

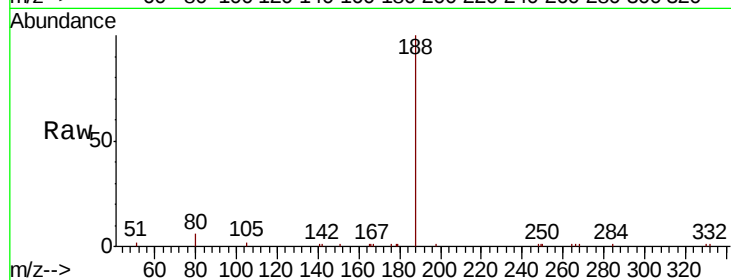
Tot Ion:188 Resp: 9564

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

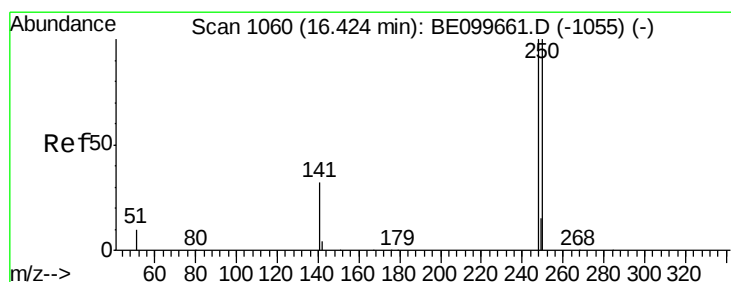
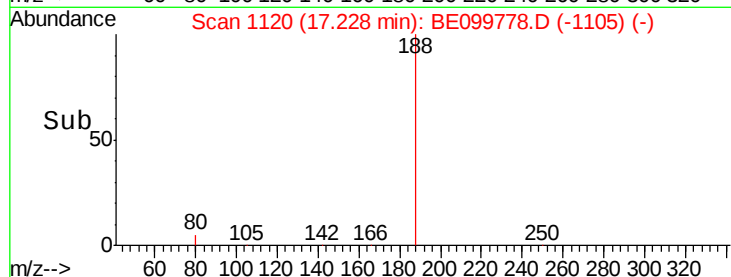
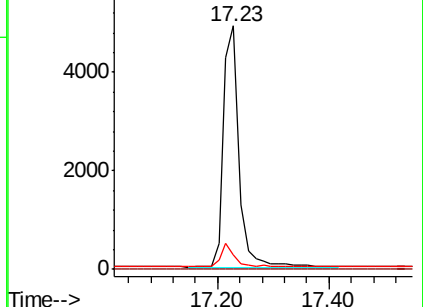
80 6.1 6.7 10.1#



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: 0.271 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

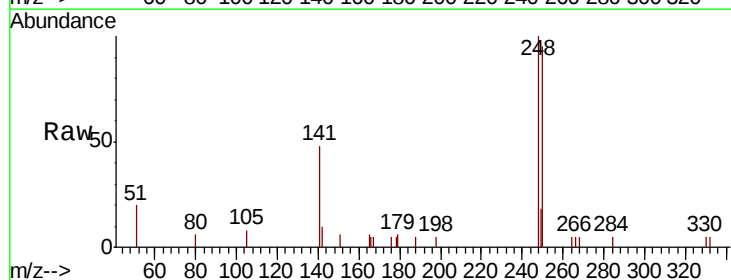
Tgt Ion:248 Resp: 1496

Ion Ratio Lower Upper

248 100

250 95.2 79.8 119.8

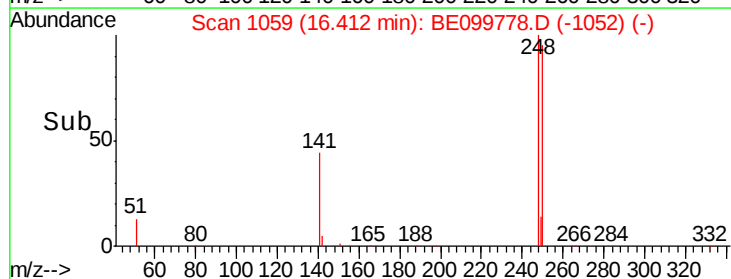
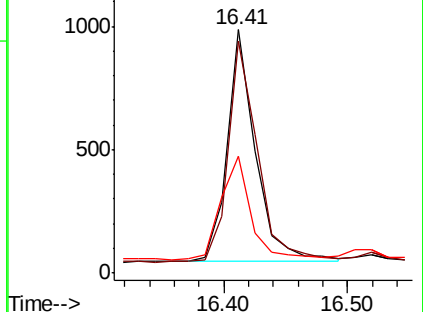
141 48.1 27.0 40.6#

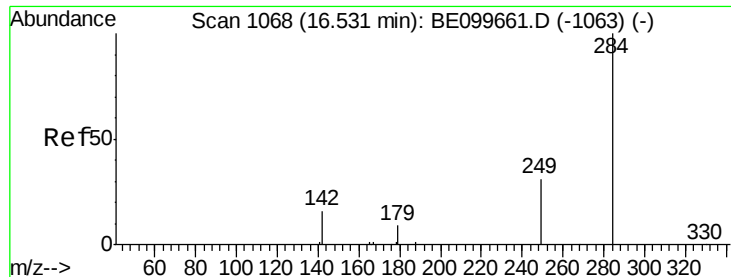


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

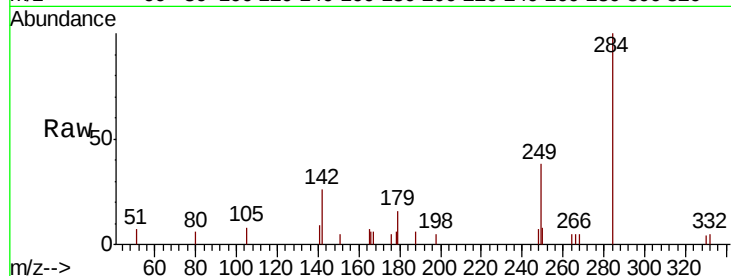




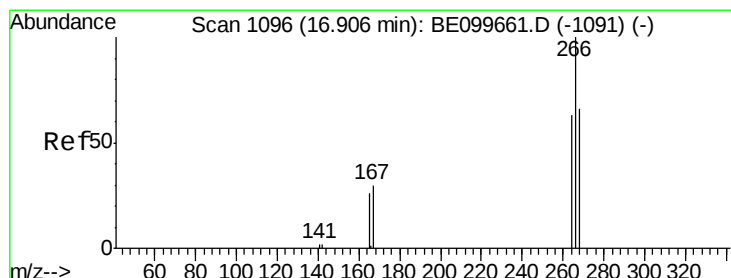
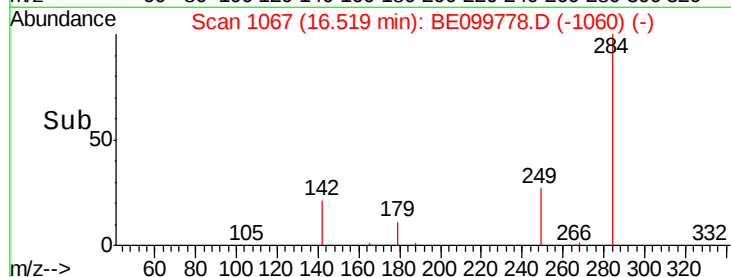
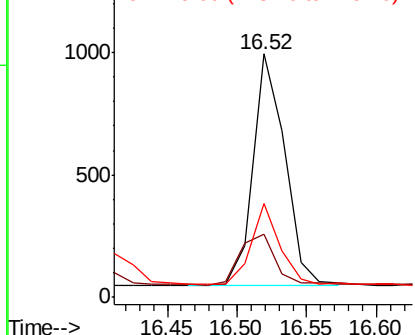
#21
Hexachlorobenzene
Concen: 0.267 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion:284 Resp: 1509
Ion Ratio Lower Upper
284 100
142 24.3 17.8 26.6
249 30.9 24.8 37.2

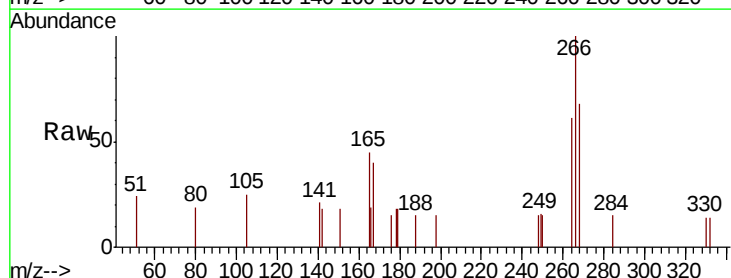


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

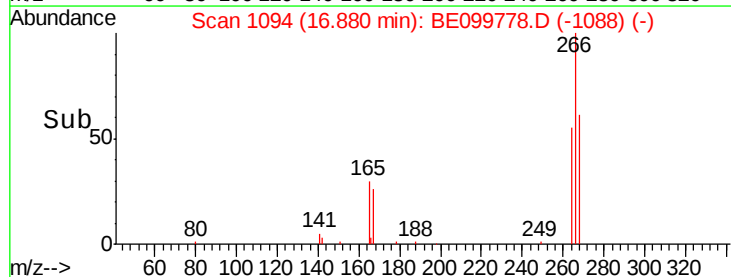
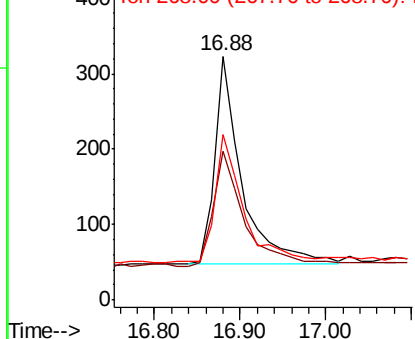


#22
Pentachlorophenol
Concen: 0.525 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099778.D
Acq: 29 May 2019 16:11

Tgt Ion:266 Resp: 607
Ion Ratio Lower Upper
266 100
264 61.0 57.2 85.8
268 67.8 60.5 90.7



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: 0.312 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

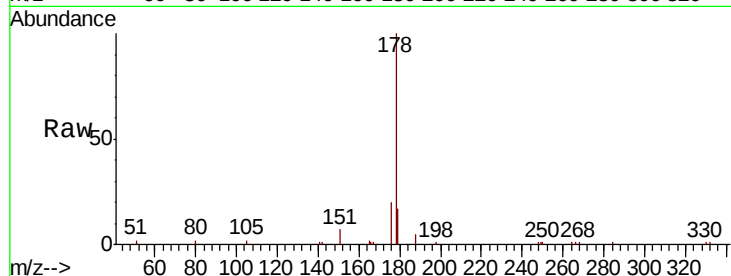
Tot Ion:178 Resp: 7282

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

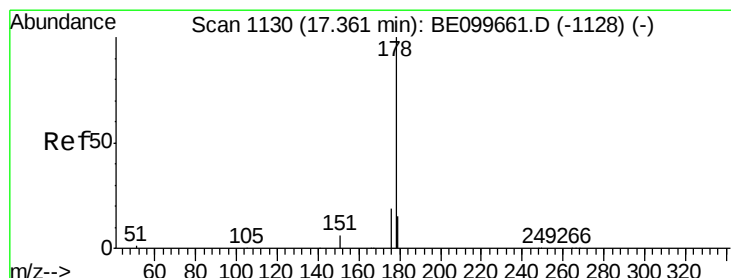
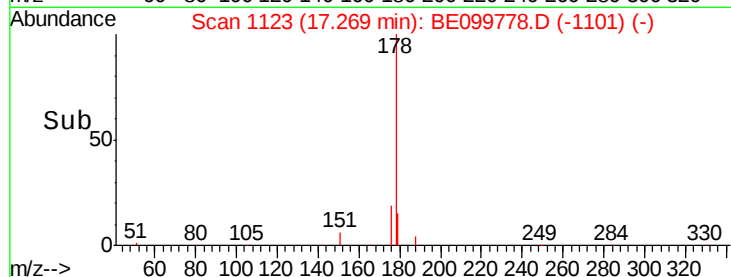
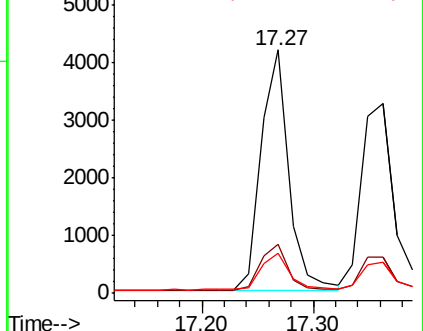
179 16.6 12.2 18.4



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



#24

Anthracene

Concen: 0.299 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

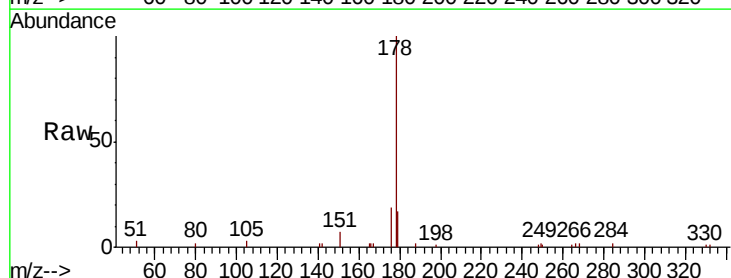
Tgt Ion:178 Resp: 6336

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

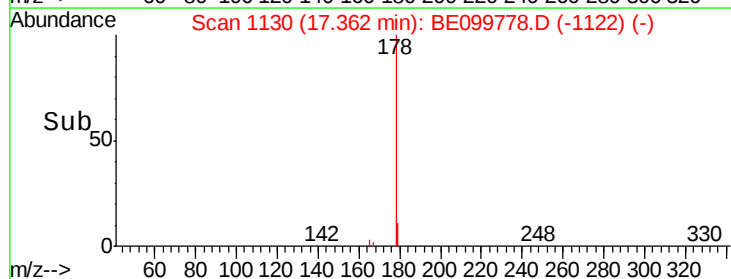
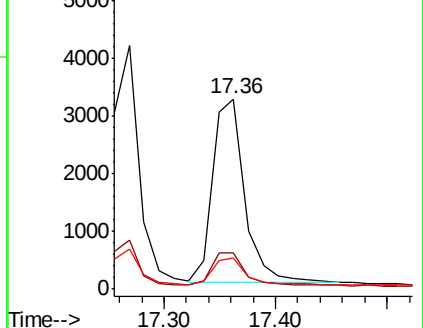
179 15.0 12.0 18.0

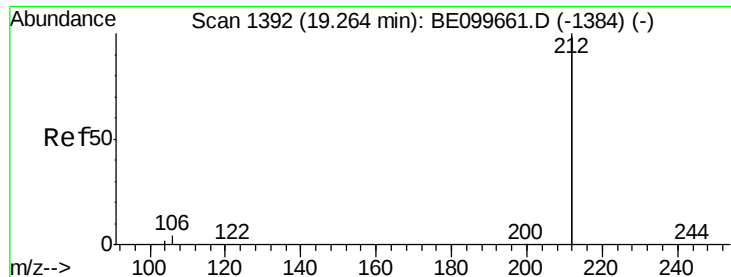


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.256 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

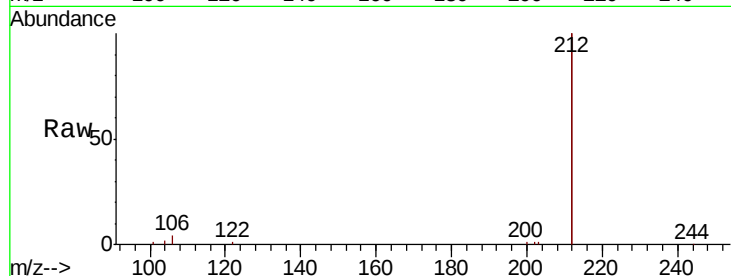
Tot Ion:212 Resp: 33415

Ion Ratio Lower Upper

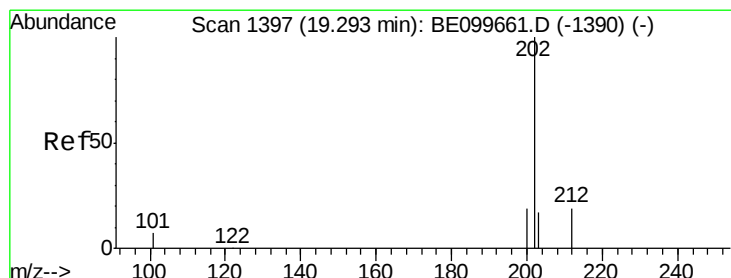
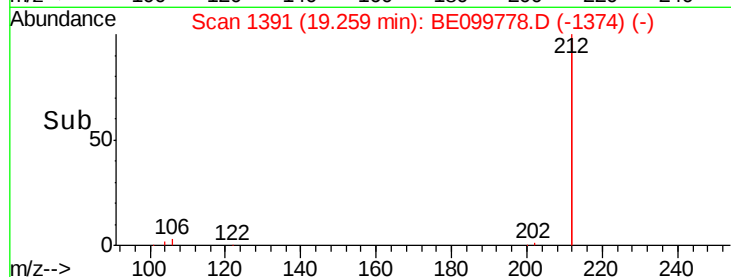
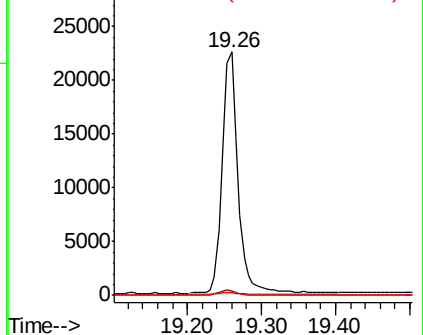
212 100

106 1.8 1.4 2.2

104 1.1 0.8 1.2



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: 0.294 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

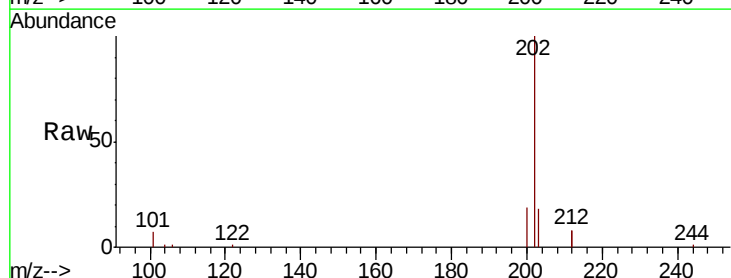
Tgt Ion:202 Resp: 10852

Ion Ratio Lower Upper

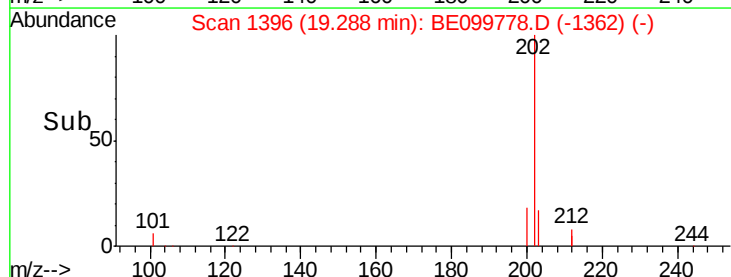
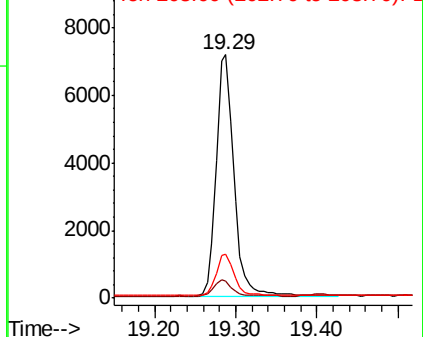
202 100

101 6.8 5.2 7.8

203 16.9 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

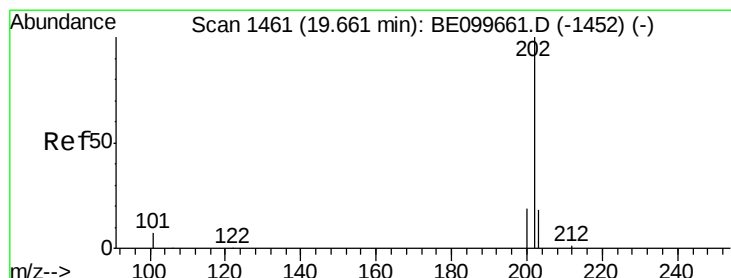
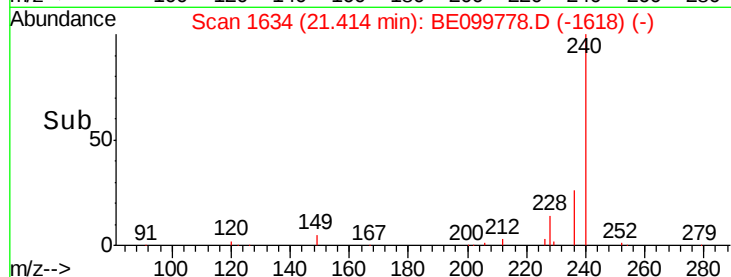
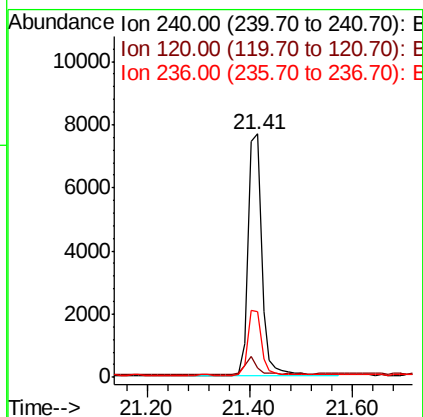
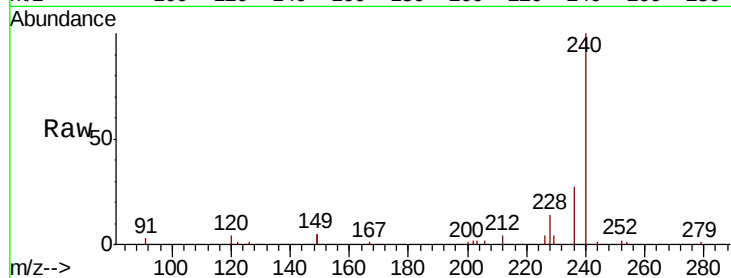




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE099778.D
 Acq: 29 May 2019 16:11

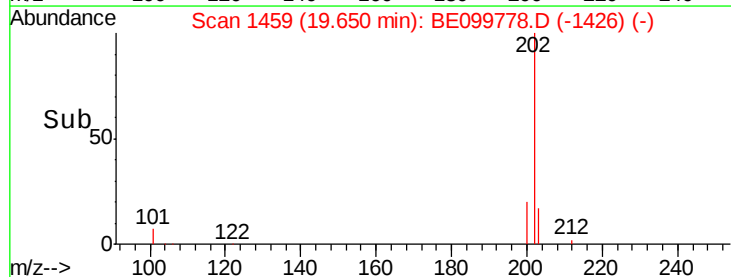
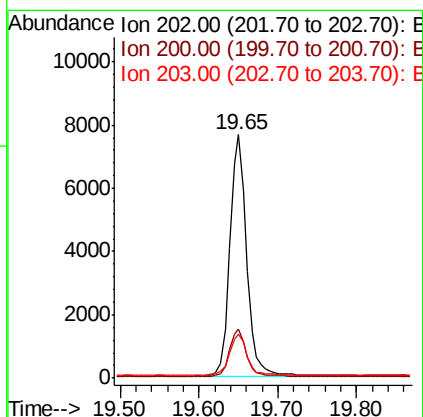
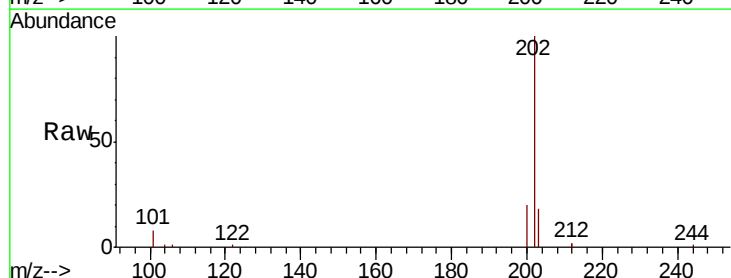
Instrument :
 BNA_E
 ClientSampleId :
 FESB-27(3.5-4)MS

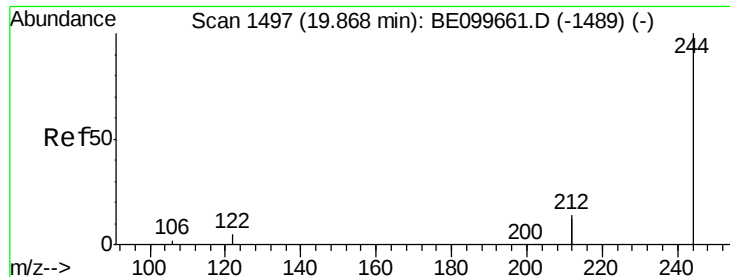
Tot Ion:240 Resp: 14128
 Ion Ratio Lower Upper
 240 100
 120 3.6 5.4 8.0#
 236 27.0 21.7 32.5



#28
 Pyrene
 Concen: 0.320 ng
 RT: 19.65 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BE099778.D
 Acq: 29 May 2019 16:11

Tgt Ion:202 Resp: 11349
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.4 23.2
 203 18.2 13.8 20.8





#29

Terphenyl-d14

Concen: 0.296 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

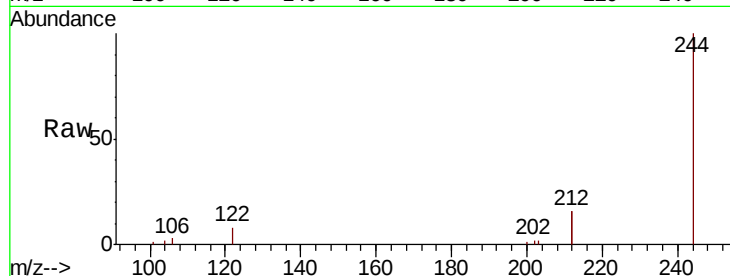
Tot Ion:244 Resp: 7457

Ion Ratio Lower Upper

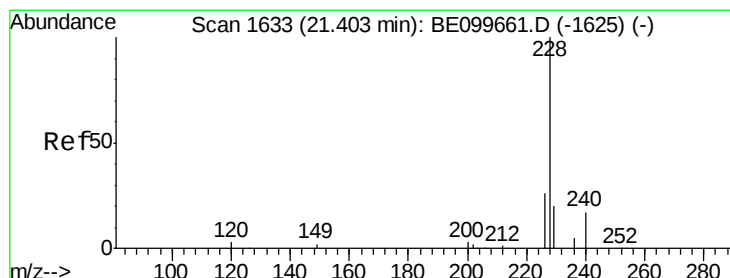
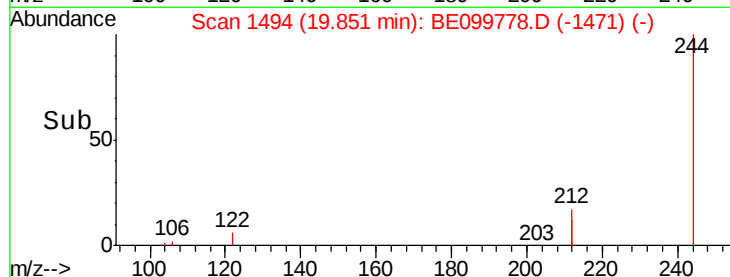
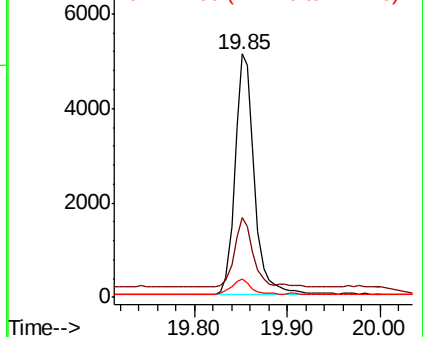
244 100

212 32.7 22.5 33.7

122 7.6 4.3 6.5#



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: 0.311 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

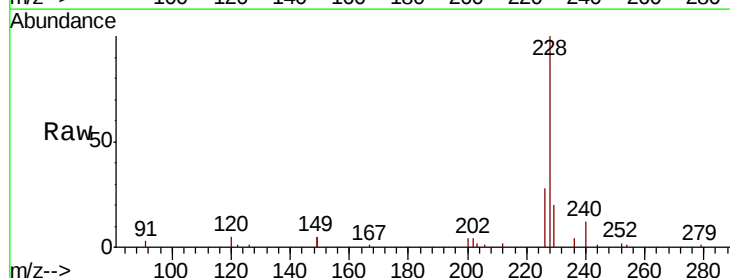
Tgt Ion:228 Resp: 12501

Ion Ratio Lower Upper

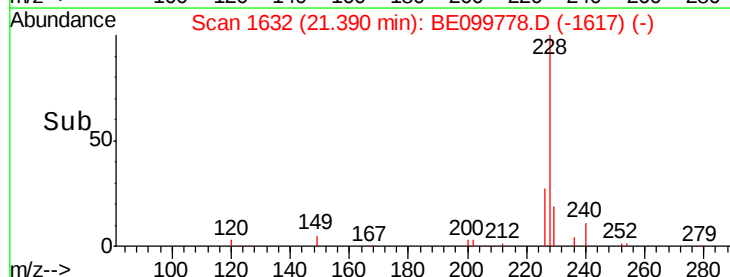
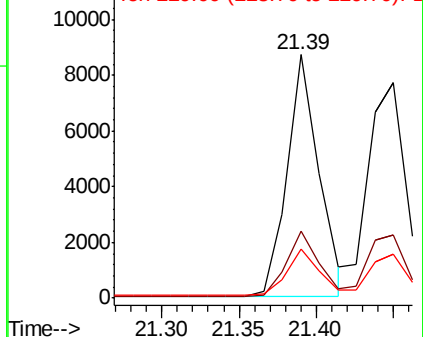
228 100

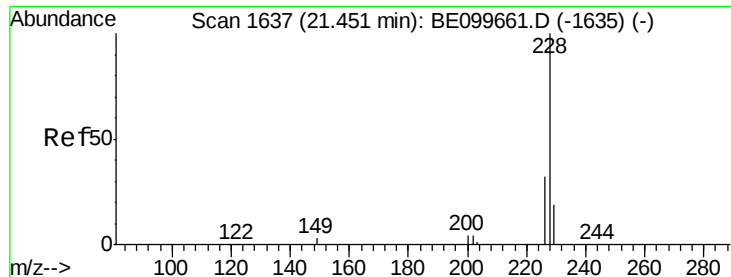
226 27.6 21.3 31.9

229 20.2 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





#31

Chrysene

Concen: 0.308 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

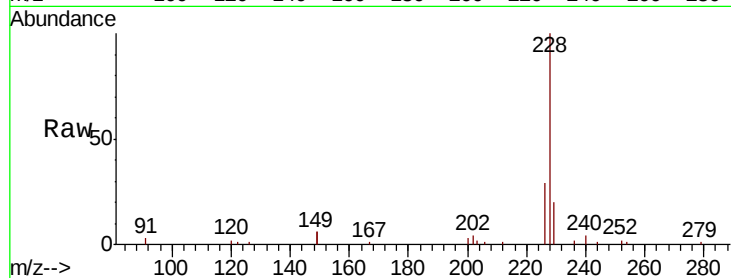
Tot Ion:228 Resp: 13234

Ion Ratio Lower Upper

228 100

226 29.0 24.7 37.1

229 20.1 15.8 23.6

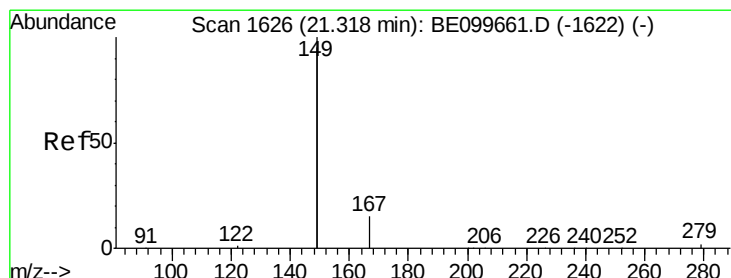
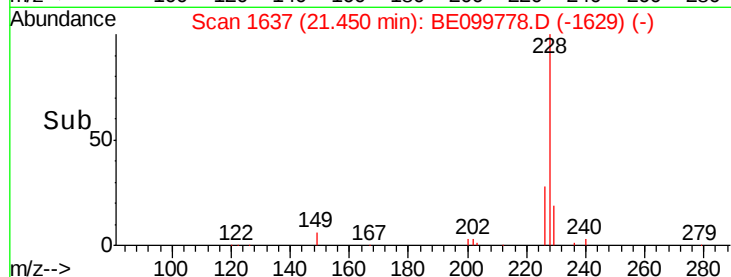
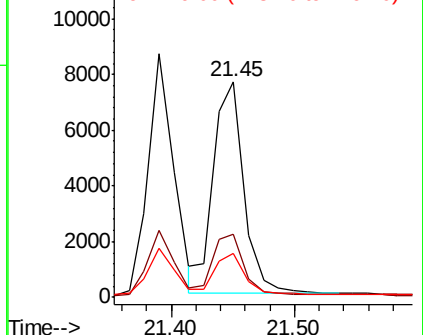


Abundance

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: 0.468 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

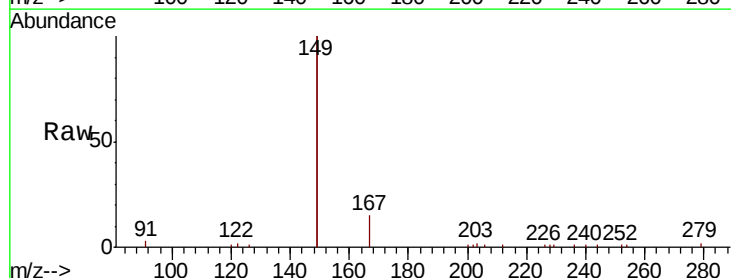
Tgt Ion:149 Resp: 21671

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

279 1.5 1.2 1.8

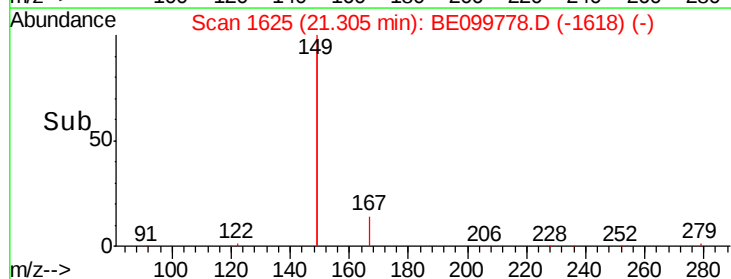
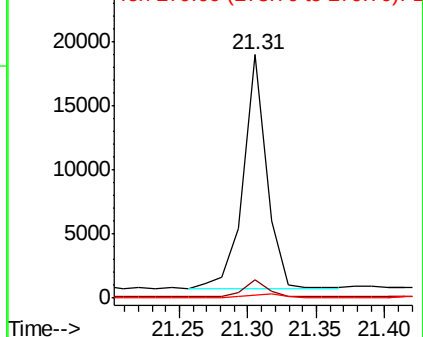


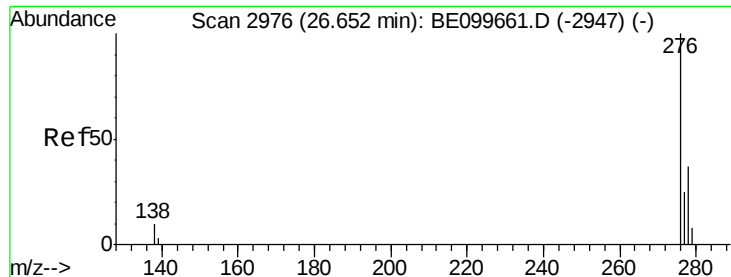
Abundance

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

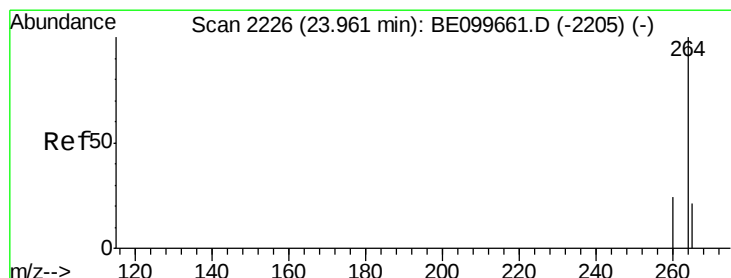
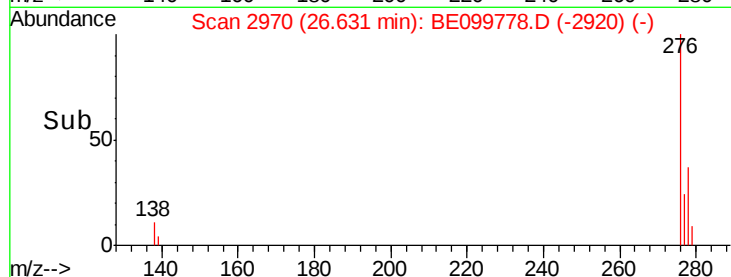
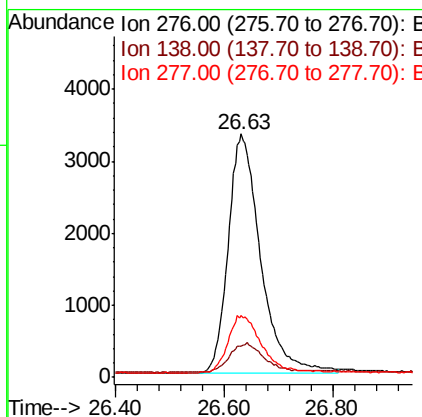
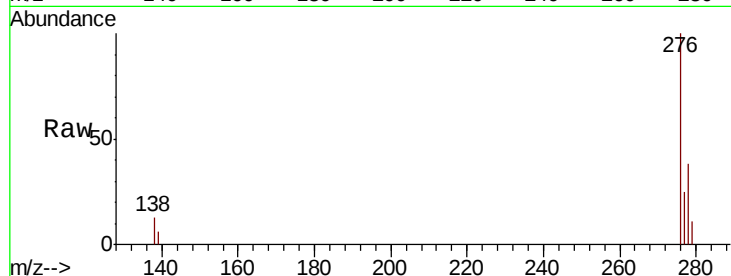




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.267 ng
 RT: 26.63 min Scan# 2970
 Delta R.T. -0.02 min
 Lab File: BE099778.D
 Acq: 29 May 2019 16:11

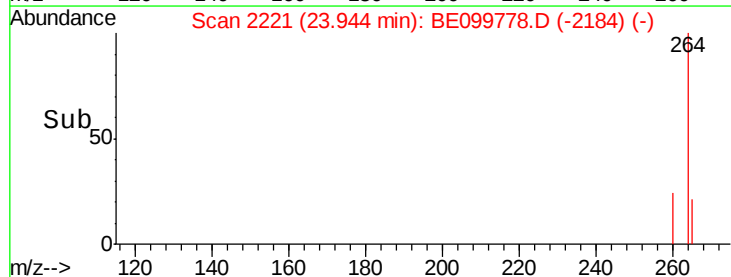
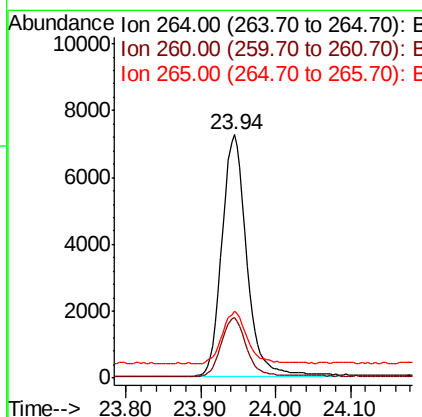
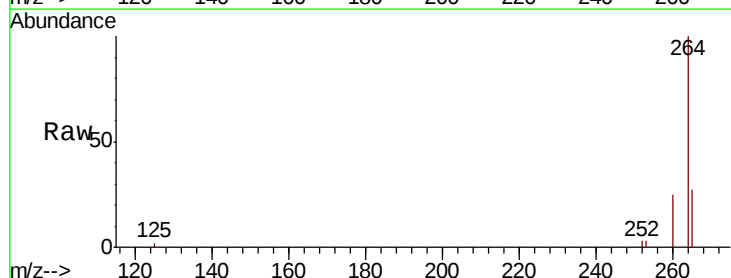
Instrument :
 BNA_E
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion:276 Resp: 13828
 Ion Ratio Lower Upper
 276 100
 138 12.6 9.6 14.4
 277 24.1 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BE099778.D
 Acq: 29 May 2019 16:11

Tgt Ion:264 Resp: 16535
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.6 29.4
 265 27.4 19.1 28.7





#35

Benzo(b)fluoranthene

Concen: 0.277 ng

RT: 23.16 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

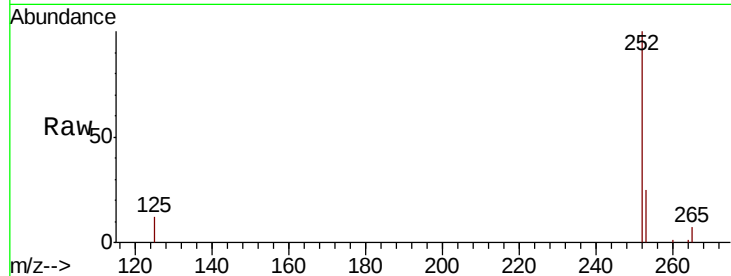
Tot Ion:252 Resp: 12562

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.4

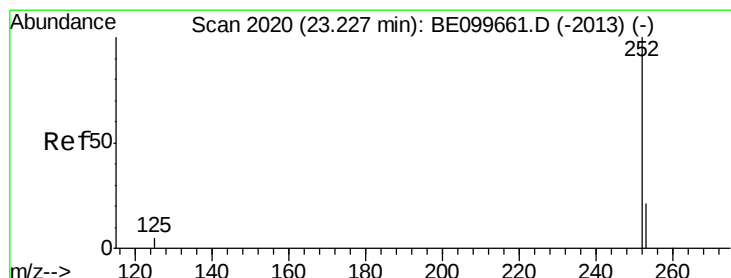
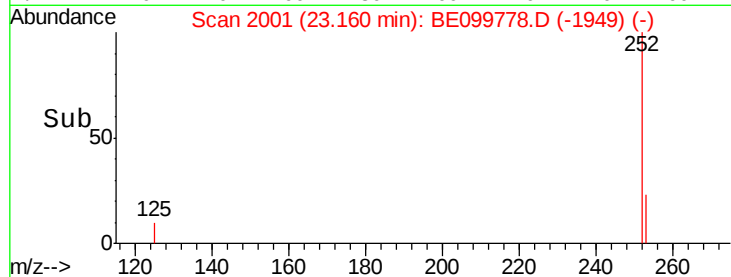
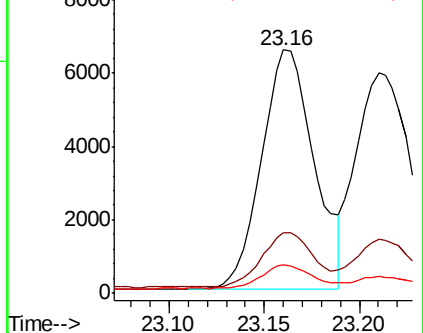
125 11.6 4.5 6.7#



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



#36

Benzo(k)fluoranthene

Concen: 0.265 ng

RT: 23.21 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

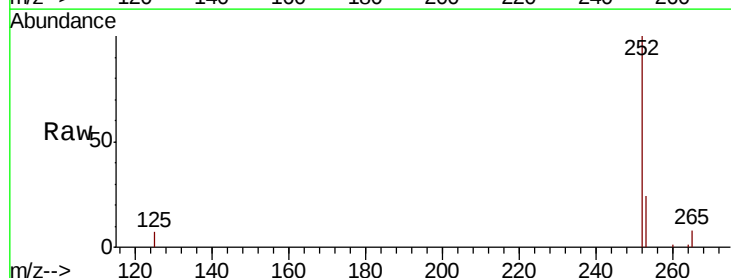
Tgt Ion:252 Resp: 12504

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

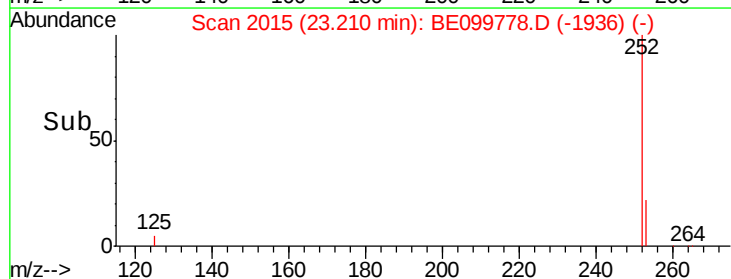
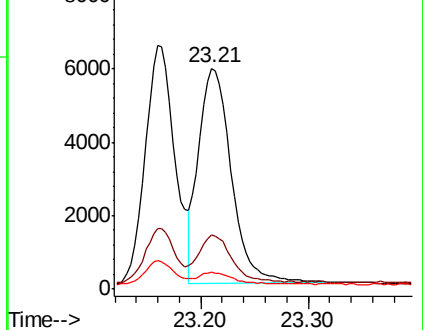
125 7.4 4.6 6.8#



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: 0.275 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS

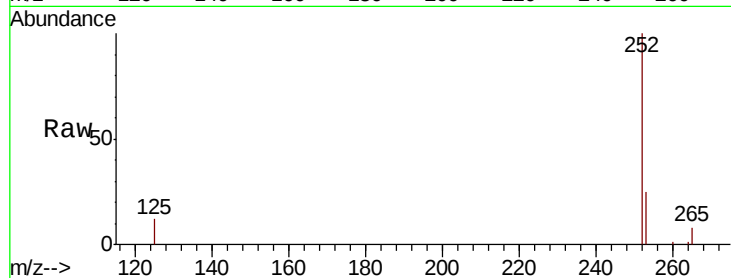
Tot Ion:252 Resp: 12001

Ion Ratio Lower Upper

252 100

253 24.9 18.9 28.3

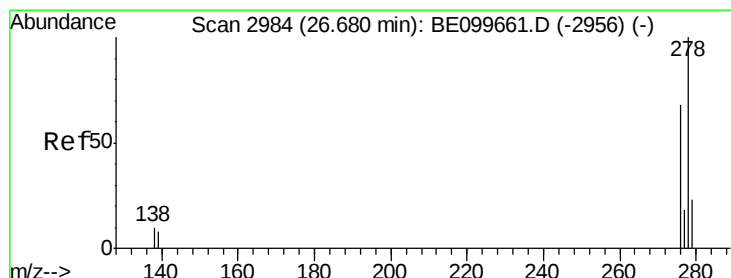
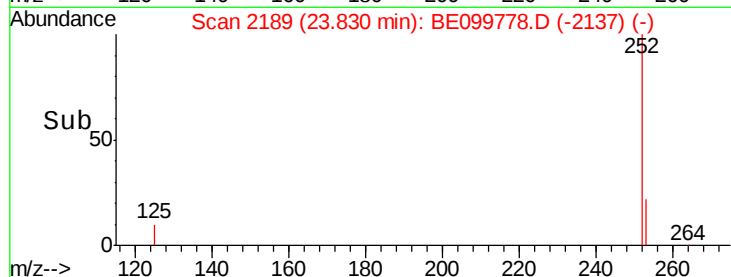
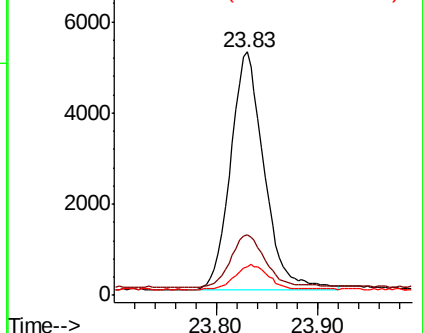
125 11.8 5.4 8.0#



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: 0.249 ng

RT: 26.66 min Scan# 2978

Delta R.T. -0.02 min

Lab File: BE099778.D

Acq: 29 May 2019 16:11

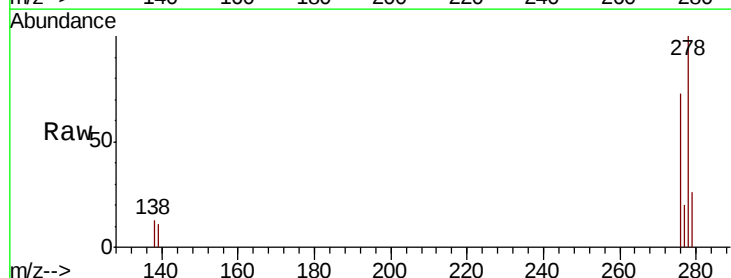
Tgt Ion:278 Resp: 11389

Ion Ratio Lower Upper

278 100

139 11.4 6.9 10.3#

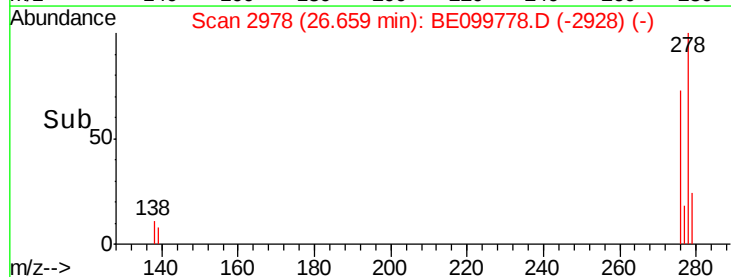
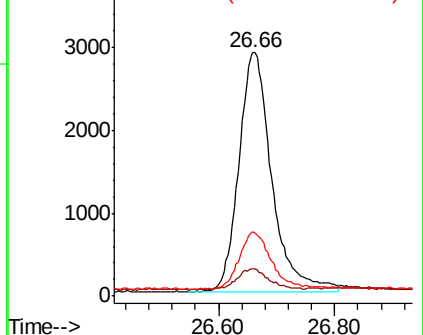
279 26.4 19.2 28.8

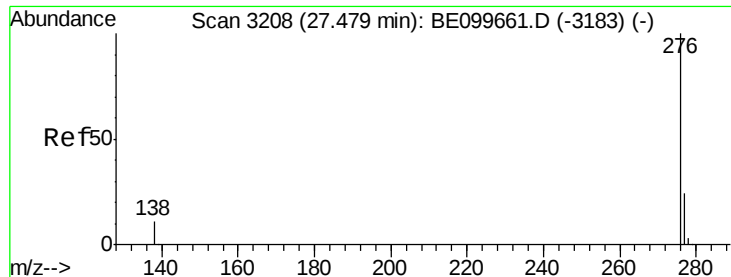


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.252 ng

RT: 27.46 min Scan# 3202

Delta R.T. -0.02 min

Lab File: BE099778.D

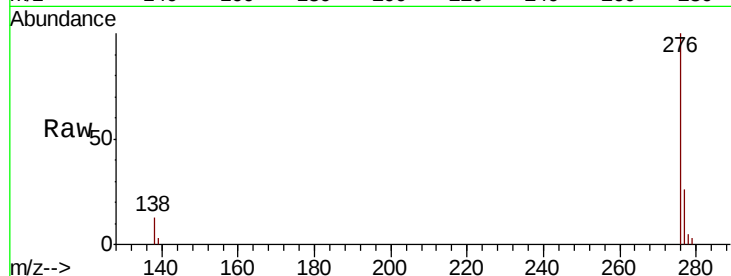
Acq: 29 May 2019 16:11

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MS



Tot Ion: 276 Resp: 11651

Ion Ratio Lower Upper

276 100

277 25.6 19.8 29.6

138 13.2 9.2 13.8

