

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE052819\
 Data File : BE099756.D
 Acq On : 28 May 2019 14:39
 Operator : JU/SJ
 Sample : PB120100BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120100BS

Quant Time: May 28 15:18:15 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	7.82	152	1324	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	4393	0.40	ng	0.01
13) Acenaphthene-d10	14.48	164	2885	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	8483	0.40	ng	0.00
27) Chrysene-d12	21.42	240	14705	0.40	ng	0.00
34) Perylene-d12	23.95	264	16813	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1316	0.39	ng	0.00
5) Phenol-d6	6.98	99	1676	0.38	ng	0.00
8) Nitrobenzene-d5	8.98	82	1388	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3841	0.51	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	644	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	4201	0.38	ng	0.01
25) Fluoranthene-d10	19.27	212	45239	0.39	ng	0.00
29) Terphenyl-d14	19.86	244	10132	0.39	ng	0.00

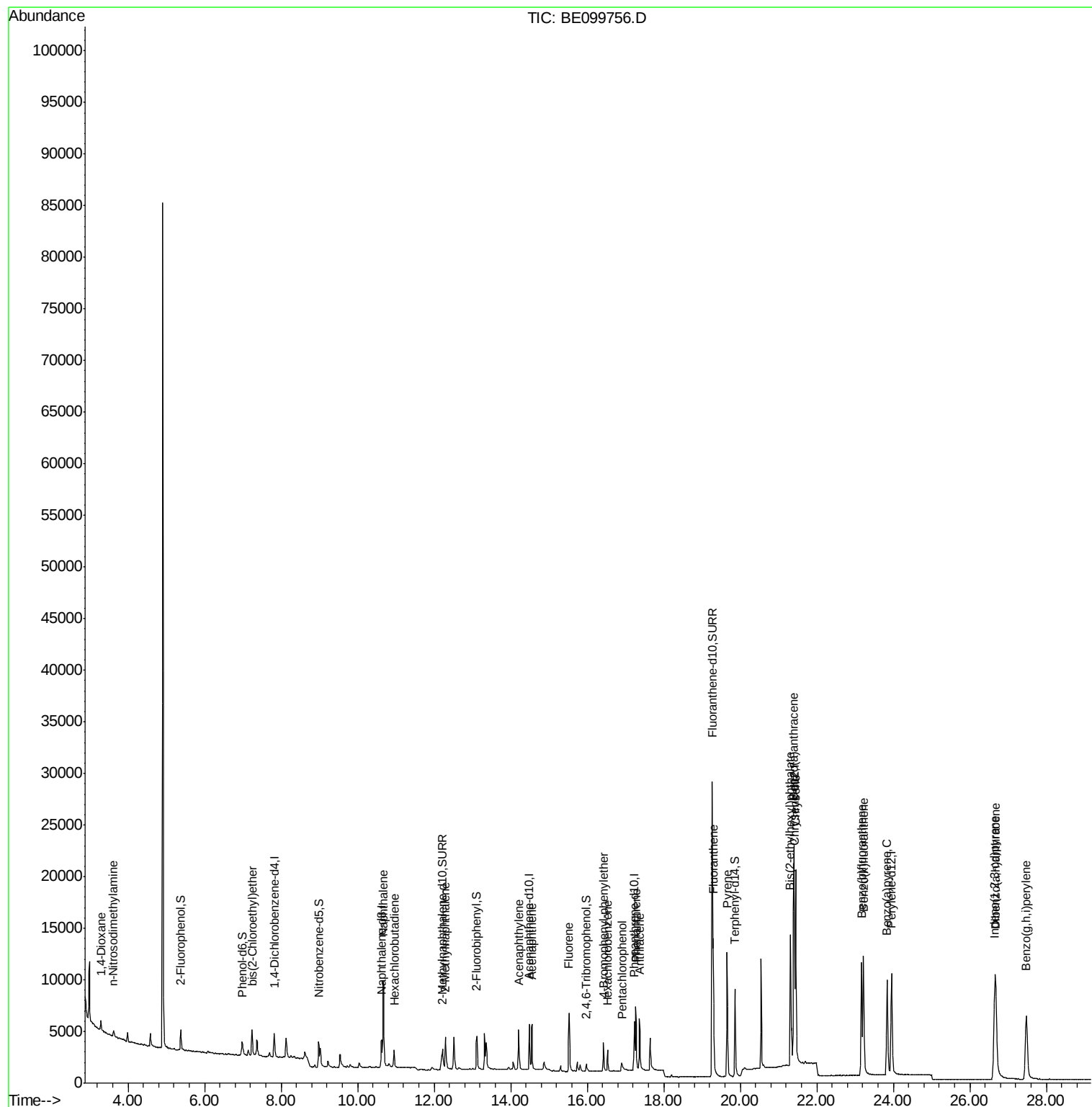
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	617	0.315	ng	# 77
3) n-Nitrosodimethylamine	3.61	42	415	0.383	ng	# 80
6) bis(2-Chloroethyl)ether	7.24	93	1297	0.329	ng	95
9) Naphthalene	10.67	128	17391	0.370	ng	99
10) Hexachlorobutadiene	10.95	225	1316	0.380	ng	96
12) 2-Methylnaphthalene	12.29	142	2823	0.369	ng	97
16) Acenaphthylene	14.21	152	4960	0.369	ng	99
17) Acenaphthene	14.56	154	2757	0.365	ng	97
18) Fluorene	15.53	166	3981	0.358	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	1713	0.350	ng	# 97
21) Hexachlorobenzene	16.53	284	1833	0.366	ng	99
22) Pentachlorophenol	16.91	266	1139	0.875	ng	93
23) Phenanthrene	17.27	178	7550	0.364	ng	99
24) Anthracene	17.36	178	6505	0.346	ng	97
26) Fluoranthene	19.29	202	12577	0.384	ng	100
28) Pyrene	19.66	202	13114	0.355	ng	99
30) Benzo(a)anthracene	21.40	228	17672	0.423	ng	98
31) Chrysene	21.45	228	18046	0.404	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	17958	0.373	ng	99
33) Indeno(1,2,3-cd)pyrene	26.65	276	21286	0.395	ng	# 95
35) Benzo(b)fluoranthene	23.17	252	17626	0.383	ng	98
36) Benzo(k)fluoranthene	23.22	252	19302	0.402	ng	98
37) Benzo(a)pyrene	23.84	252	17863	0.403	ng	100
38) Dibenzo(a,h)anthracene	26.68	278	17186	0.369	ng	99
39) Benzo(g,h,i)perylene	27.47	276	18741	0.399	ng	99

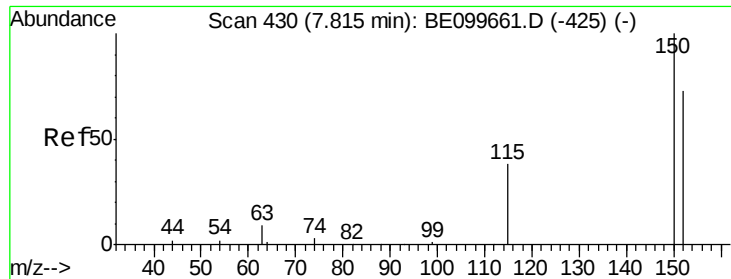
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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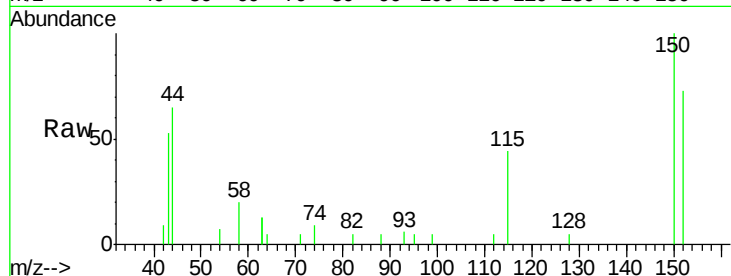


#1

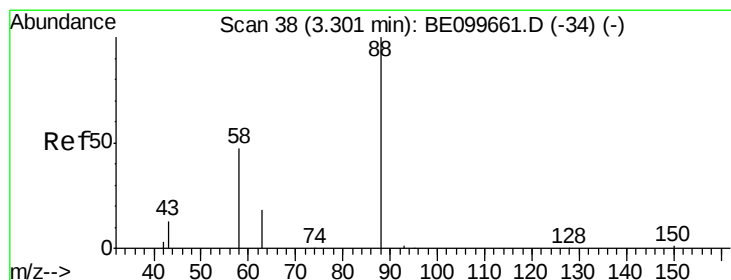
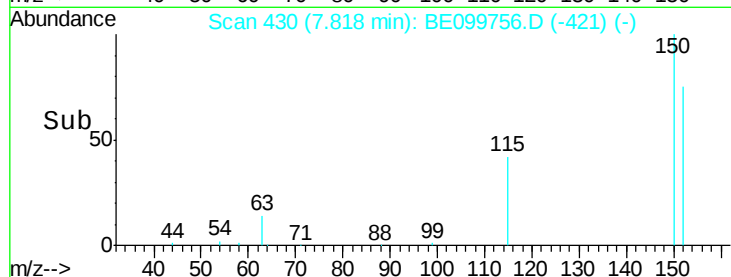
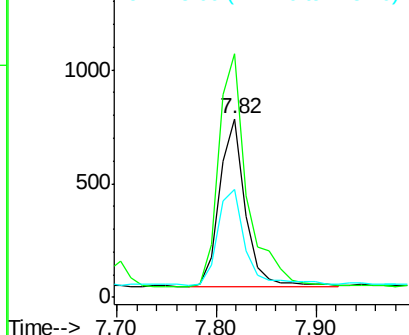
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099756.D
Acq: 28 May 2019 14:39

Instrument :
BNA_E
ClientSampleId :
PB120100BS

Tgt Ion:152 Resp: 1324
Ion Ratio Lower Upper
152 100
150 136.4 109.2 163.8
115 60.3 43.7 65.5



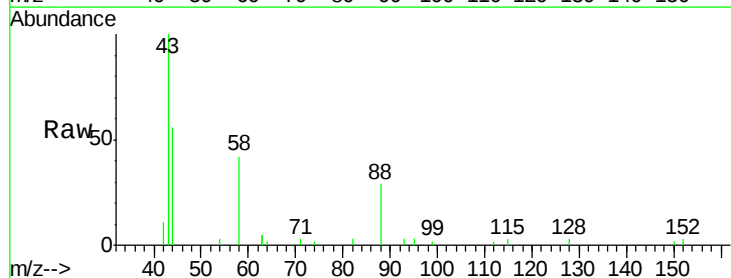
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



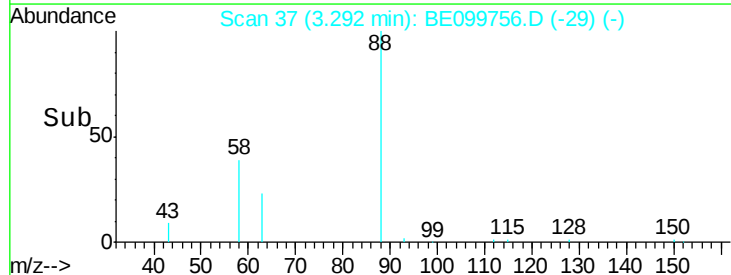
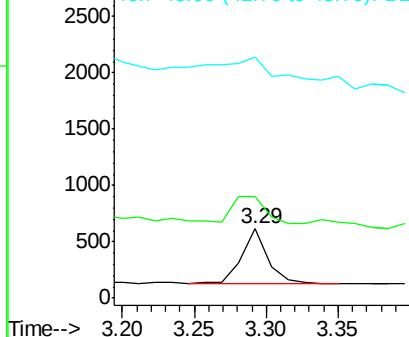
#2

1,4-Dioxane
Concen: 0.315 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099756.D
Acq: 28 May 2019 14:39

Tgt Ion: 88 Resp: 617
Ion Ratio Lower Upper
88 100
58 63.7 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: 0.383 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampled :

PB120100BS

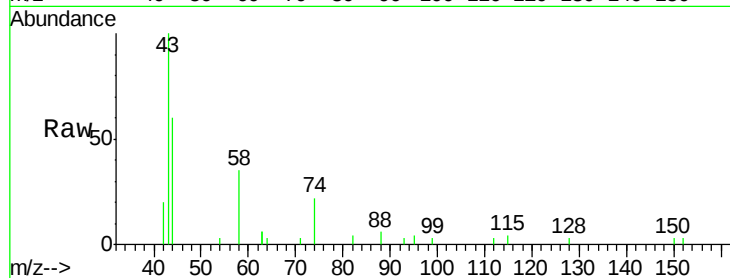
Tgt Ion: 42 Resp: 415

Ion Ratio Lower Upper

42 100

74 188.4 129.2 193.8

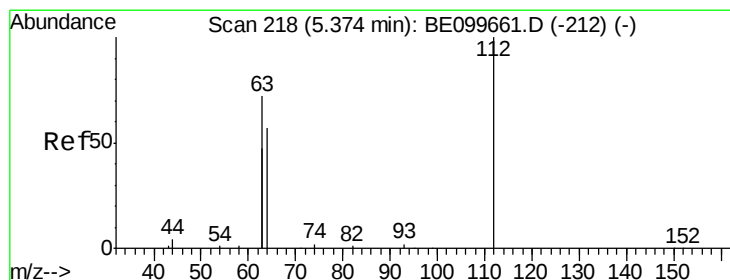
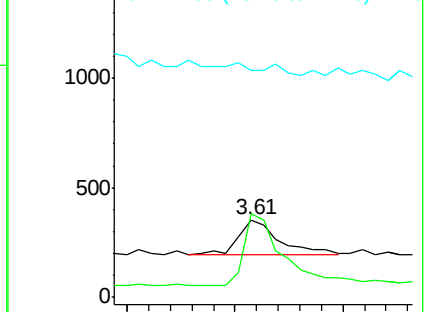
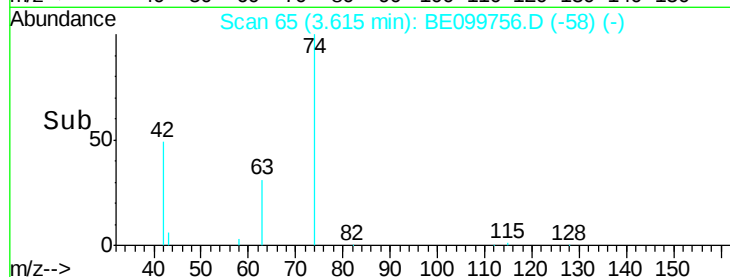
44 0.0 0.0 0.0



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: 0.393 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

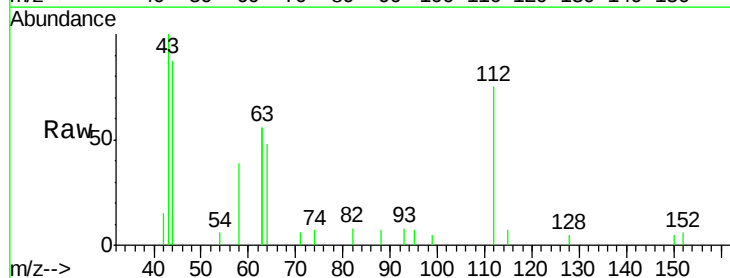
Tgt Ion: 112 Resp: 1316

Ion Ratio Lower Upper

112 100

64 53.1 43.4 65.2

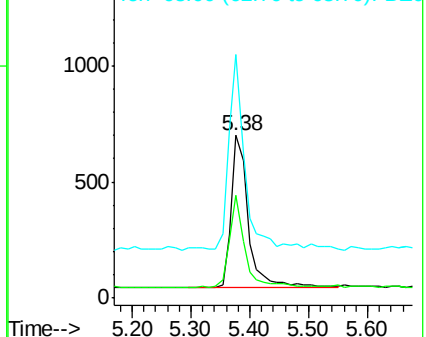
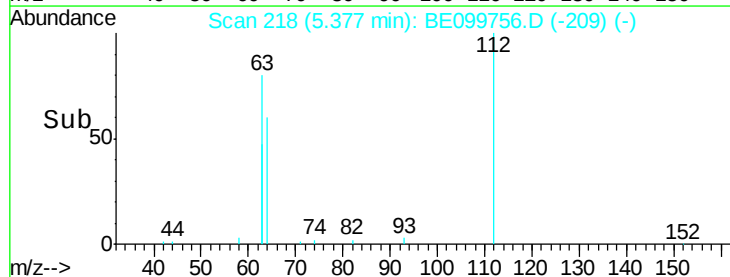
63 113.8 96.9 145.3



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: 0.378 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

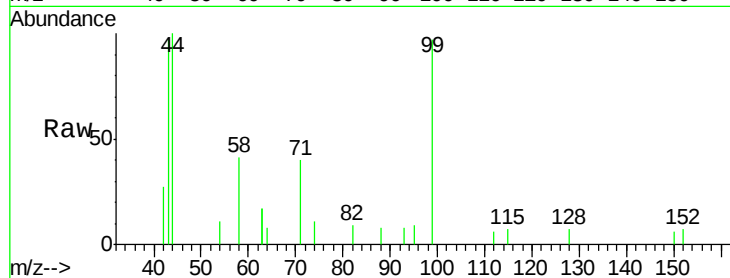
Tgt Ion: 99 Resp: 1676

Ion Ratio Lower Upper

99 100

42 21.1 12.2 18.2#

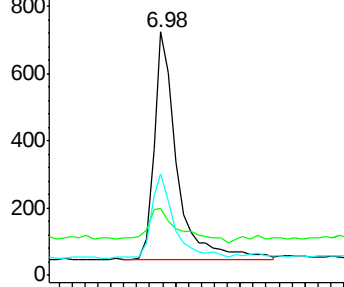
71 36.8 28.9 43.3



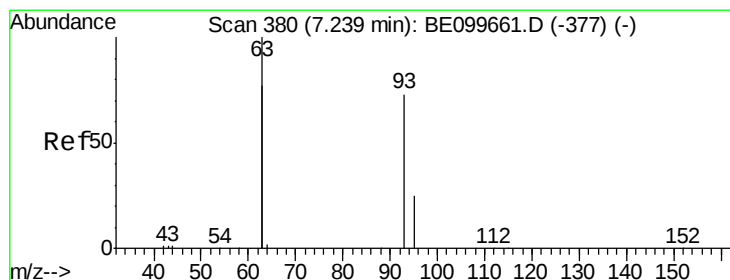
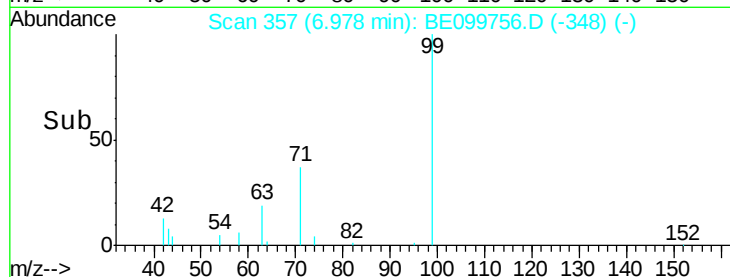
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.329 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

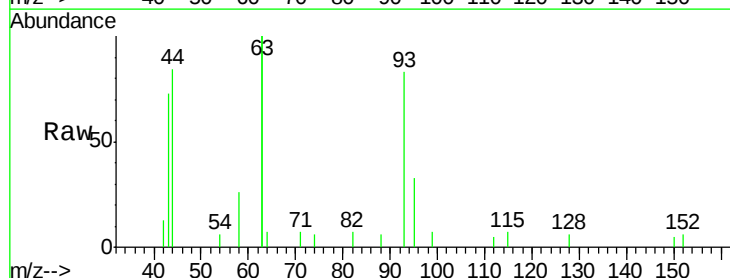
Tgt Ion: 93 Resp: 1297

Ion Ratio Lower Upper

93 100

63 267.9 207.8 311.6

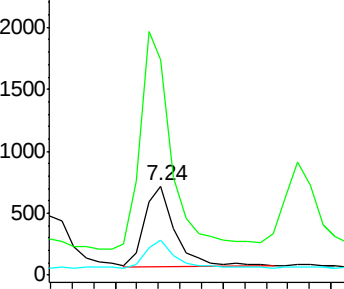
95 36.9 25.9 38.9



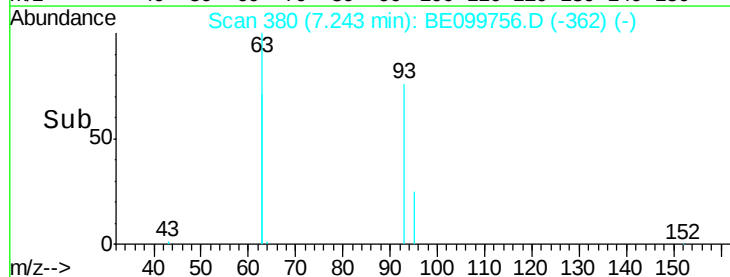
Abundance Ion 93.00 (92.70 to 93.70): BE0

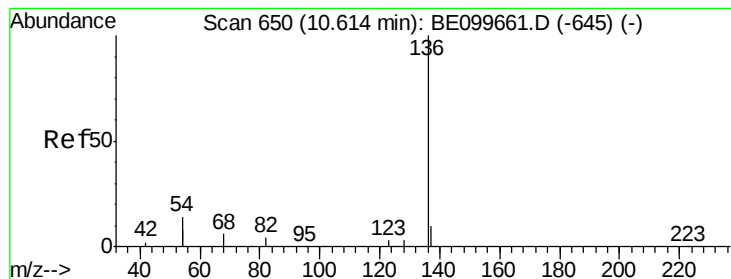
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.01 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

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ClientSampleId :

PB120100BS

Tgt Ion: 136 Resp: 4393

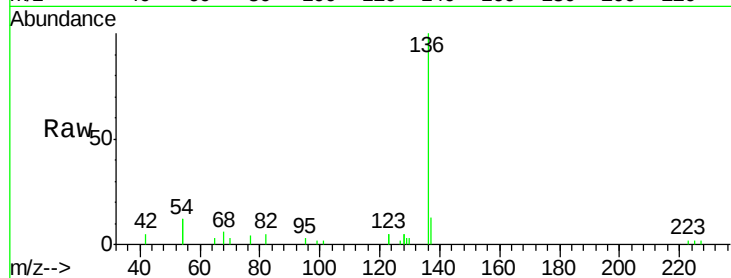
Ion Ratio Lower Upper

136 100

137 12.7 9.0 13.6

54 24.0 22.3 33.5

68 6.4 6.0 9.0

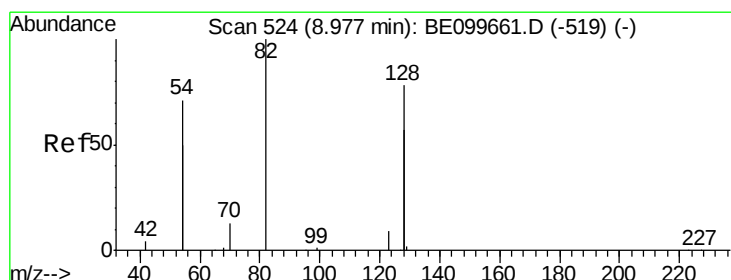
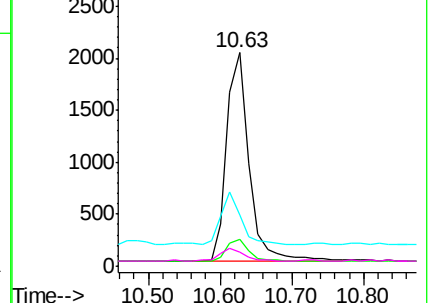
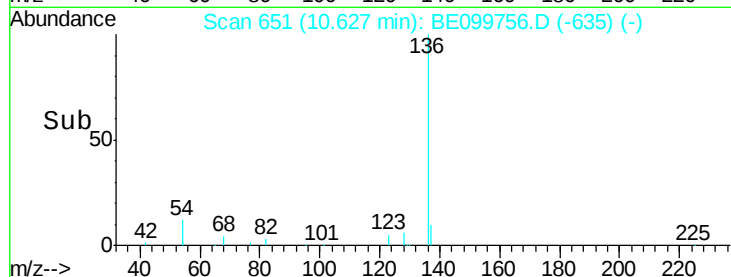


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.365 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

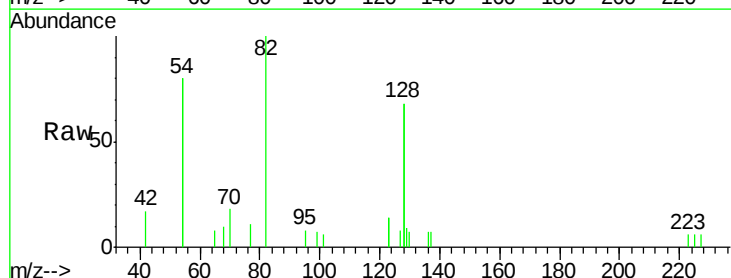
Tgt Ion: 82 Resp: 1388

Ion Ratio Lower Upper

82 100

128 136.5 117.7 176.5

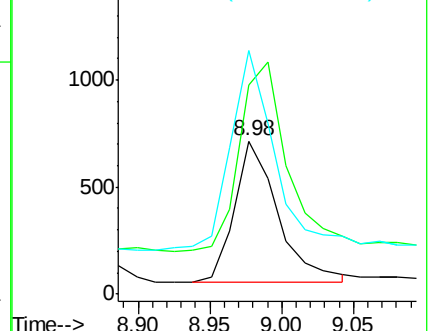
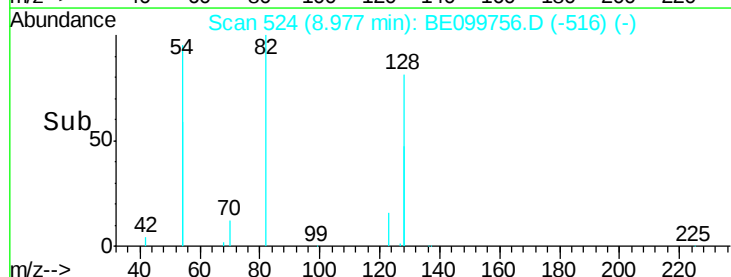
54 159.2 106.6 160.0

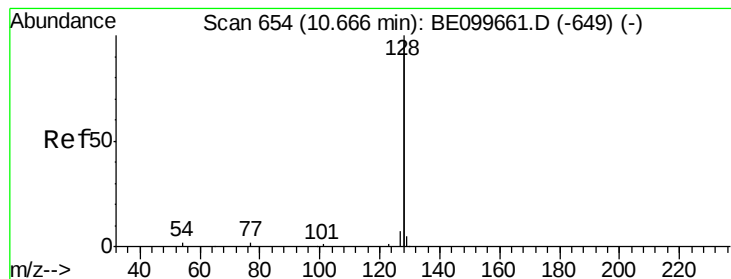


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.370 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

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ClientSampleId :

PB120100BS

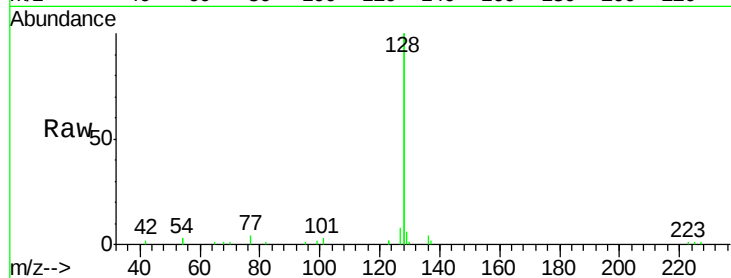
Tgt Ion:128 Resp: 17391

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

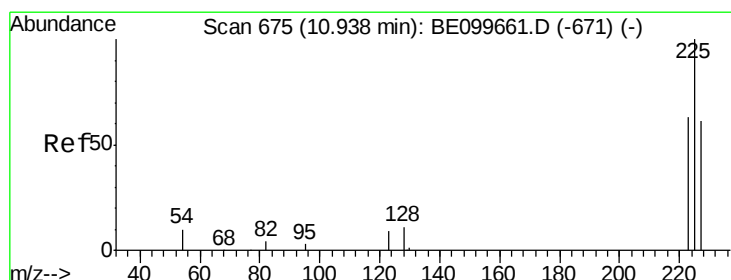
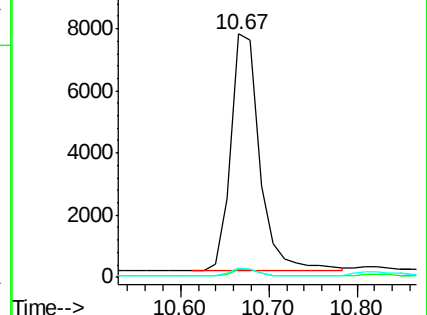
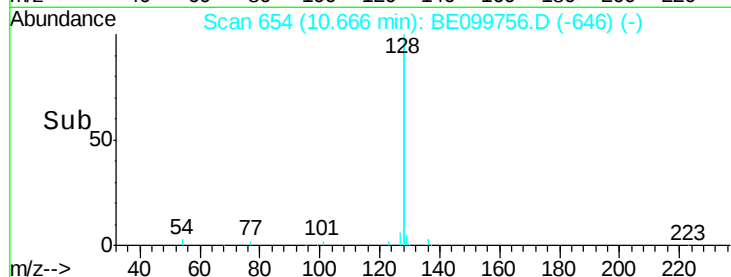
127 3.8 2.9 4.3



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: 0.380 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

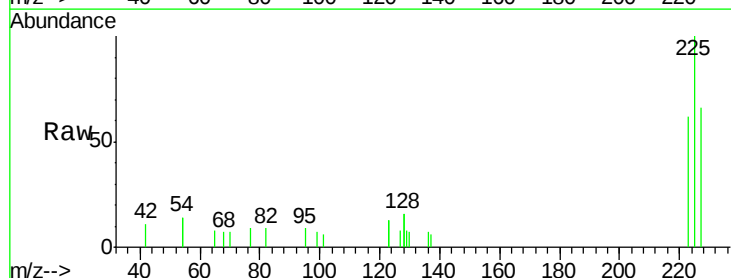
Tgt Ion:225 Resp: 1316

Ion Ratio Lower Upper

225 100

223 63.2 51.8 77.6

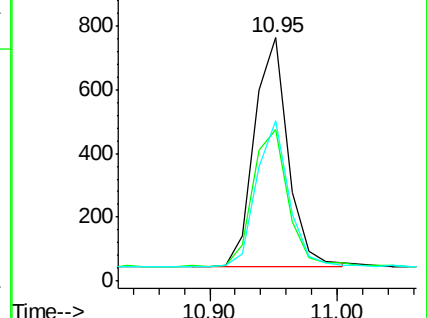
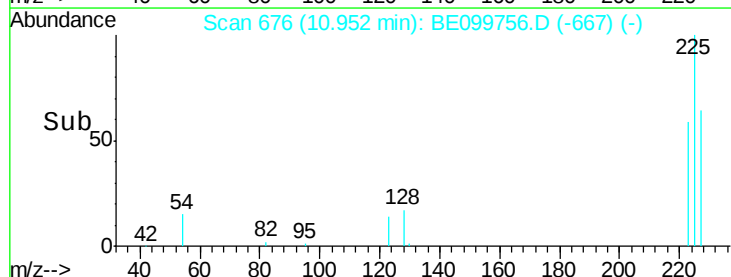
227 61.2 52.6 79.0

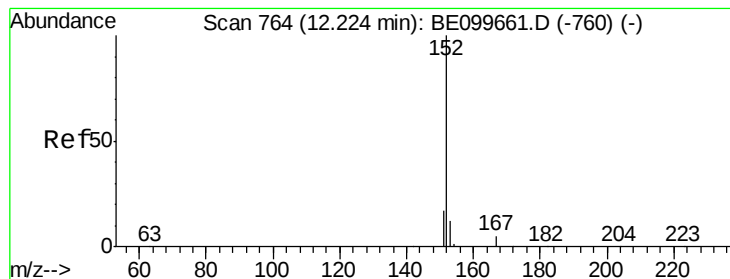


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.507 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

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ClientSampleId :

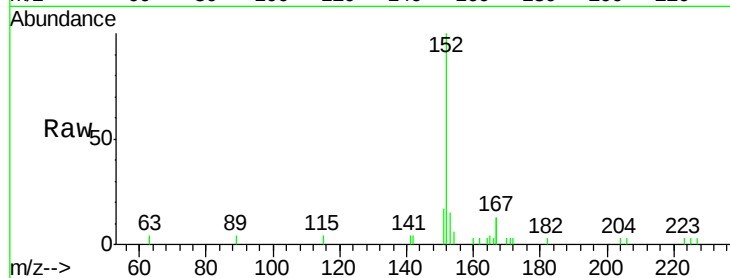
PB120100BS

Tgt Ion:152 Resp: 3841

Ion Ratio Lower Upper

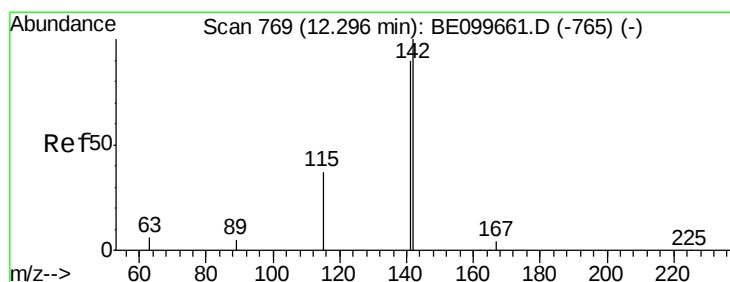
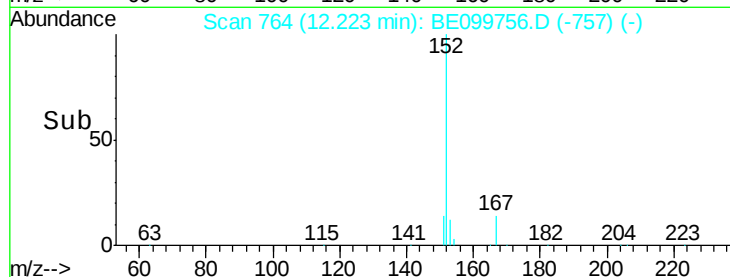
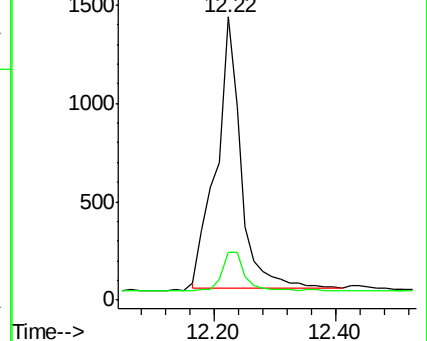
152 100

151 13.5 15.0 22.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.369 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

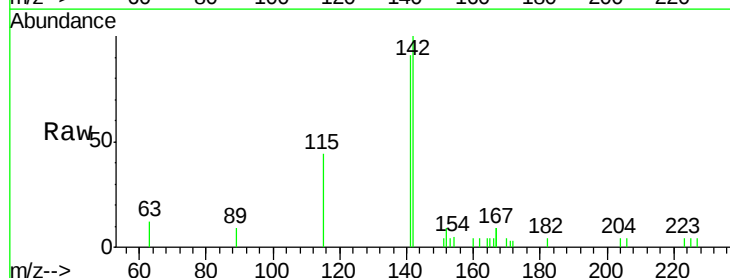
Tgt Ion:142 Resp: 2823

Ion Ratio Lower Upper

142 100

141 90.6 72.0 108.0

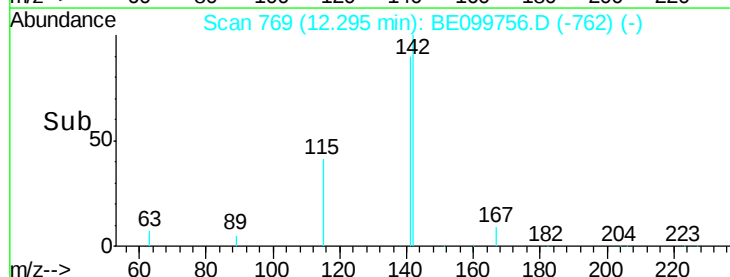
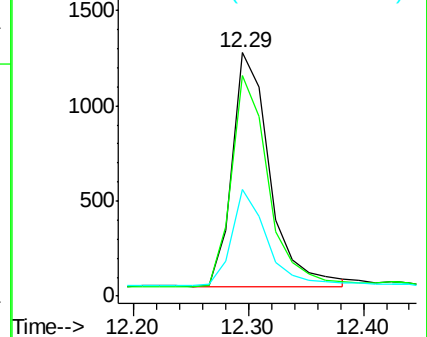
115 43.9 31.0 46.4



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: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

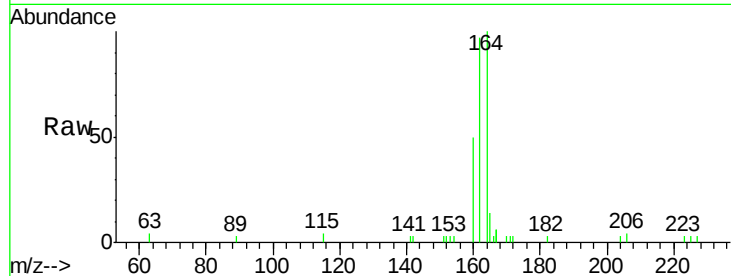
Tgt Ion:164 Resp: 2885

Ion Ratio Lower Upper

164 100

162 96.5 76.5 114.7

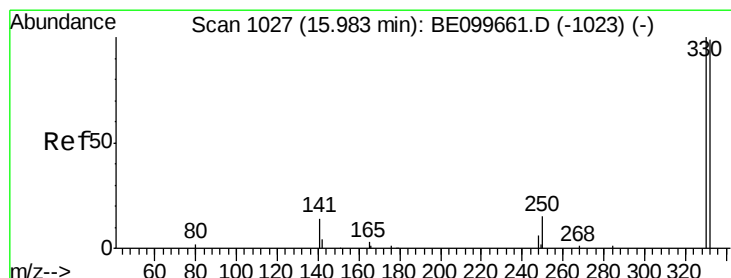
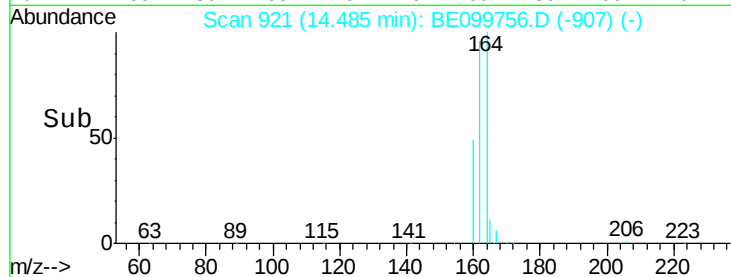
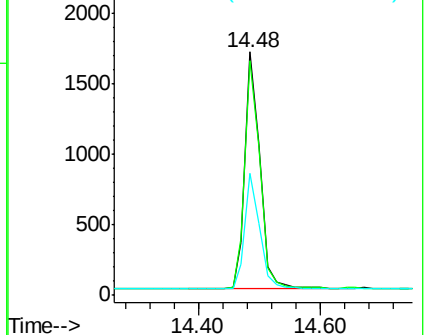
160 50.2 37.4 56.2



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: 0.423 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

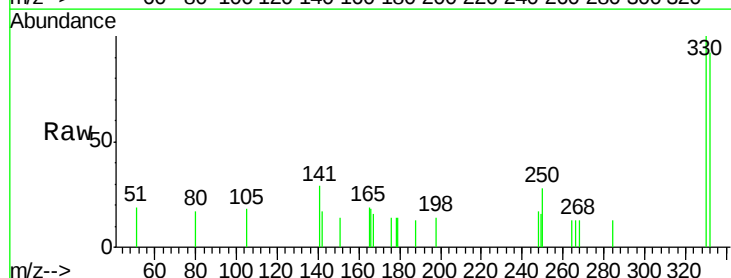
Tgt Ion:330 Resp: 644

Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

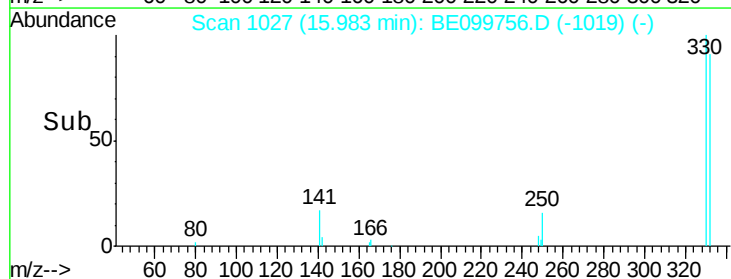
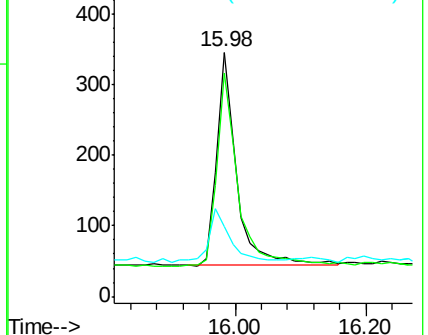
141 25.6 18.9 28.3



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

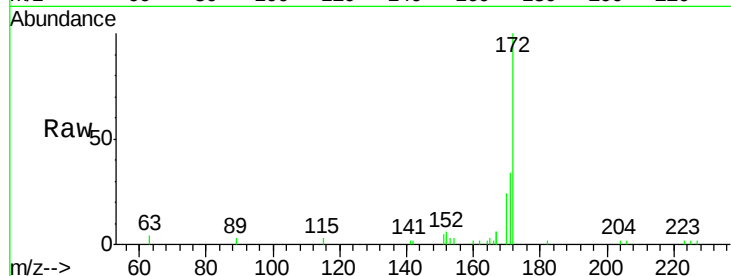




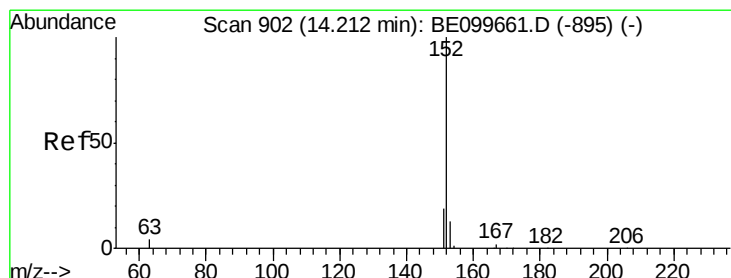
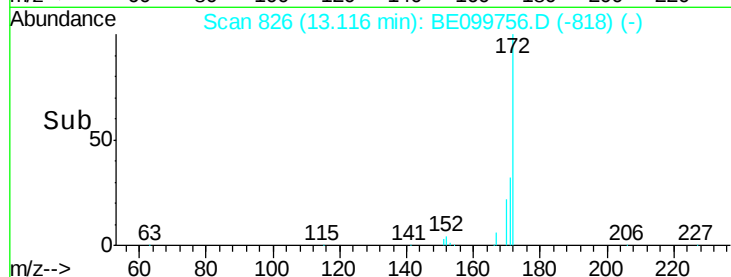
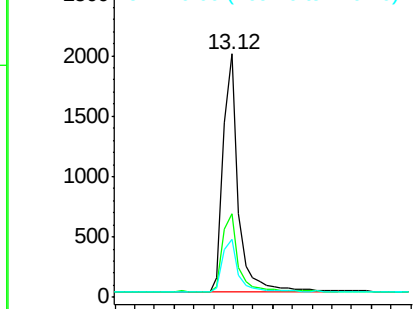
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099756.D
Acq: 28 May 2019 14:39

Instrument :
BNA_E
ClientSampleId :
PB120100BS

Tgt Ion:172 Resp: 4201
Ion Ratio Lower Upper
172 100
171 34.2 28.7 43.1
170 23.7 20.9 31.3

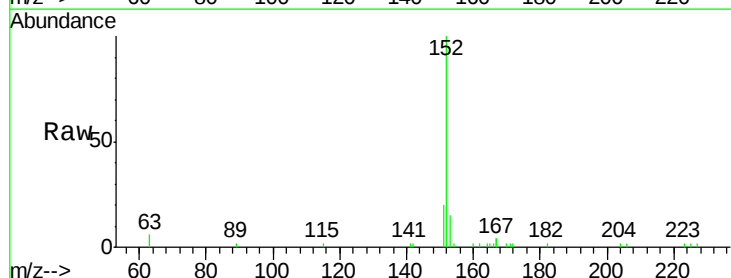


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

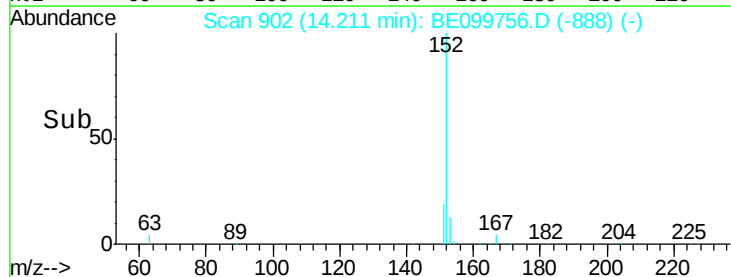
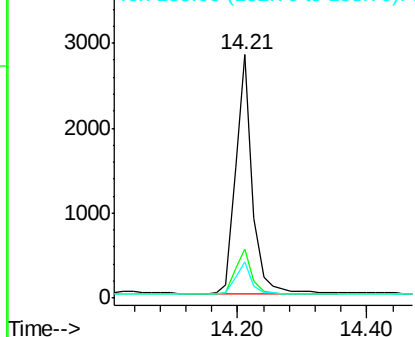


#16
Acenaphthylene
Concen: 0.369 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099756.D
Acq: 28 May 2019 14:39

Tgt Ion:152 Resp: 4960
Ion Ratio Lower Upper
152 100
151 19.0 15.9 23.9
153 13.4 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: 0.365 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.01 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

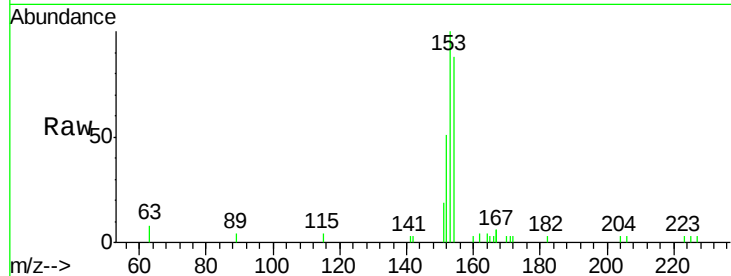
Tgt Ion:154 Resp: 2757

Ion Ratio Lower Upper

154 100

153 116.8 91.8 137.6

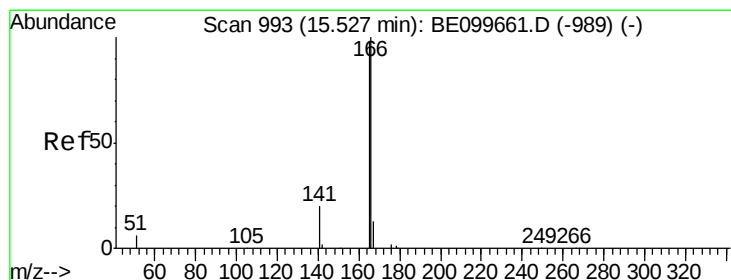
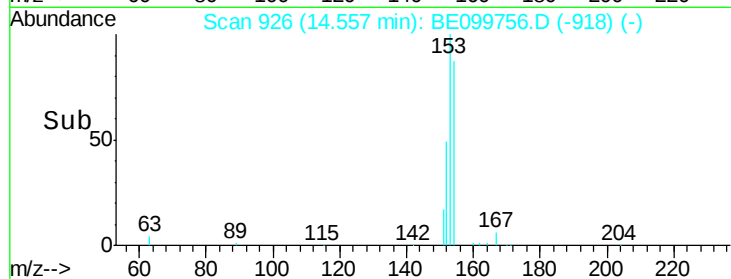
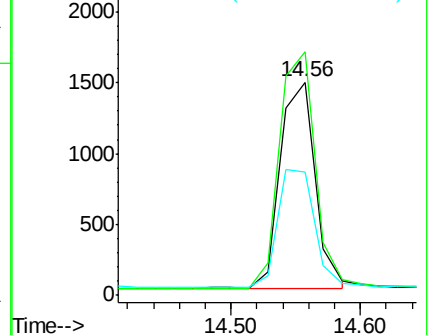
152 60.5 46.0 69.0



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: 0.358 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

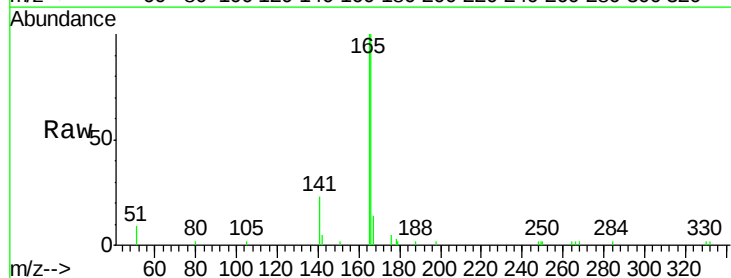
Tgt Ion:166 Resp: 3981

Ion Ratio Lower Upper

166 100

165 100.0 80.3 120.5

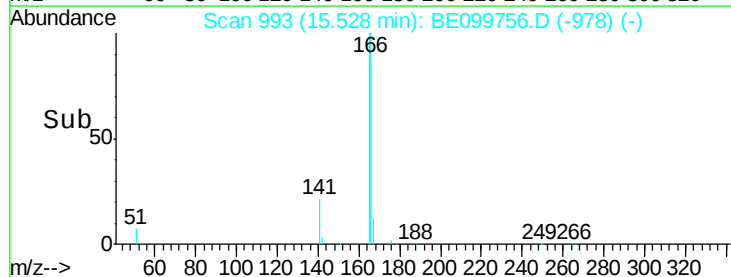
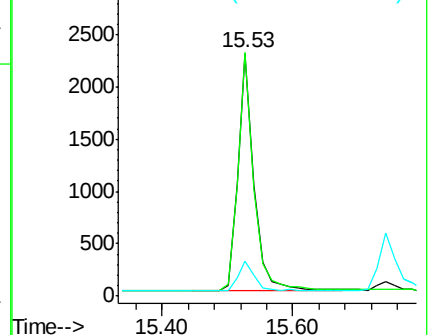
167 13.7 10.6 16.0

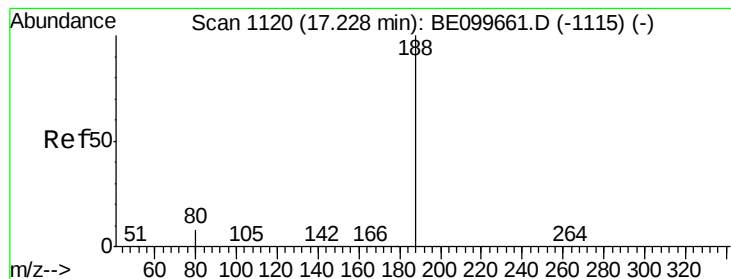


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

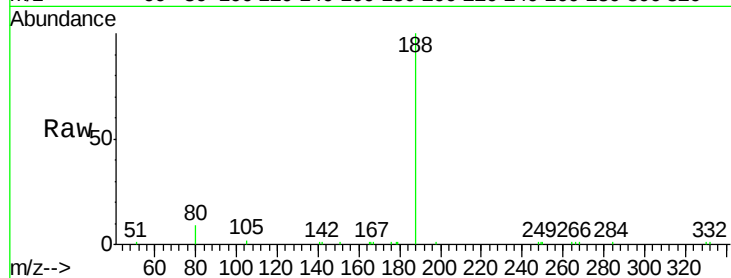
Tgt Ion:188 Resp: 8483

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

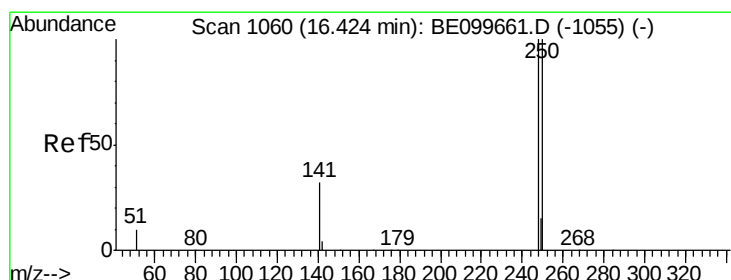
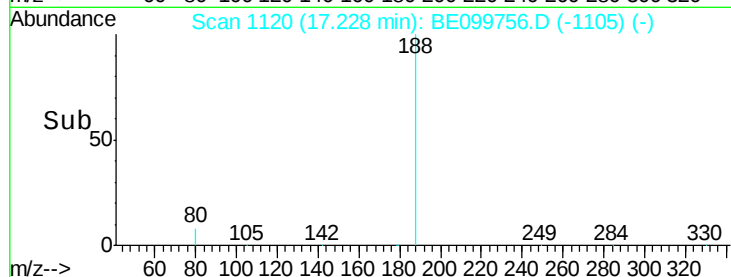
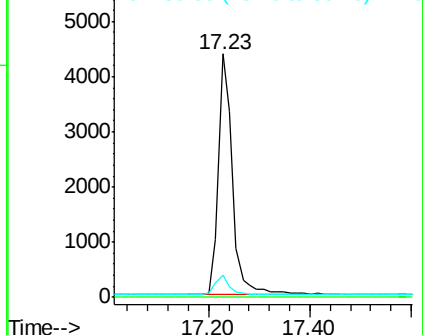
80 9.0 6.7 10.1



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: 0.350 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

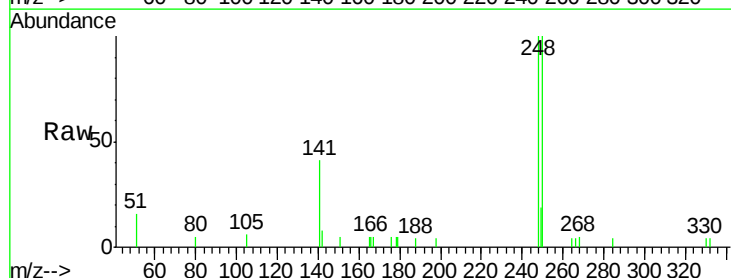
Tgt Ion:248 Resp: 1713

Ion Ratio Lower Upper

248 100

250 99.6 79.8 119.8

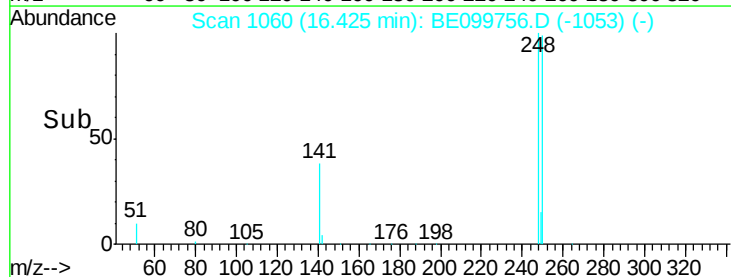
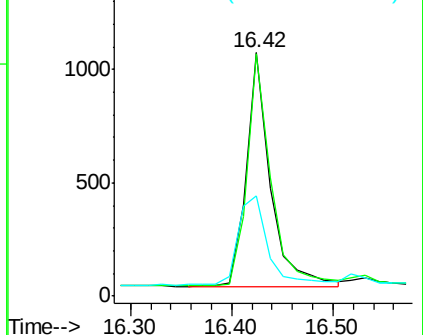
141 41.1 27.0 40.6#

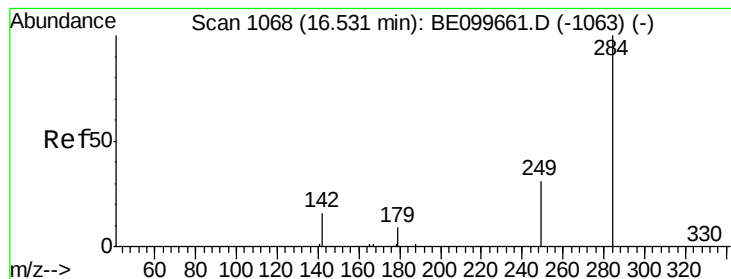


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.366 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

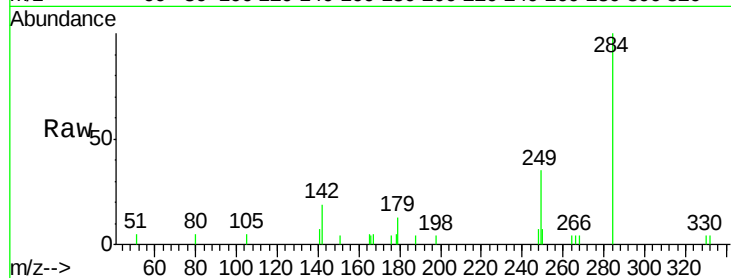
Tgt Ion:284 Resp: 1833

Ion Ratio Lower Upper

284 100

142 21.9 17.8 26.6

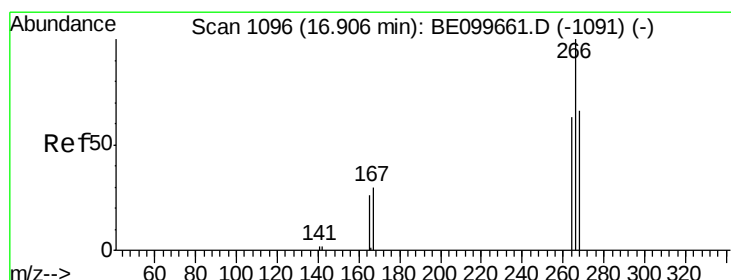
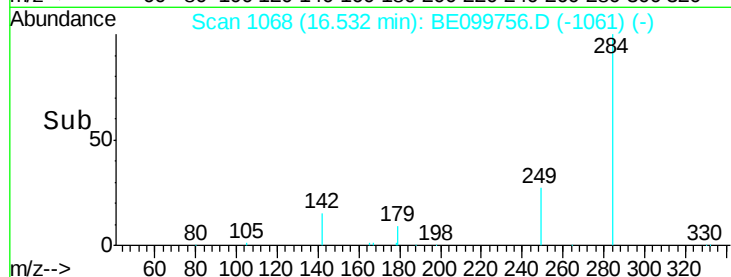
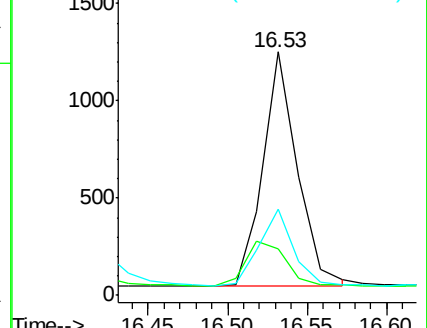
249 32.0 24.8 37.2



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: 0.875 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

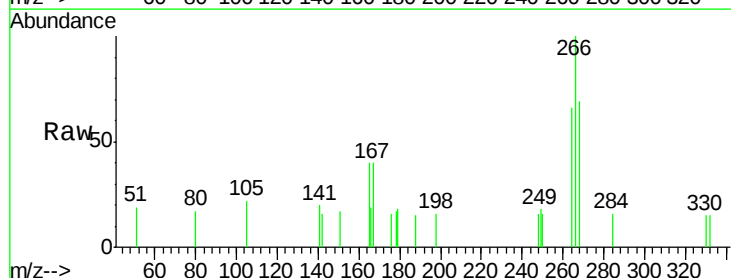
Tgt Ion:266 Resp: 1139

Ion Ratio Lower Upper

266 100

264 66.0 57.2 85.8

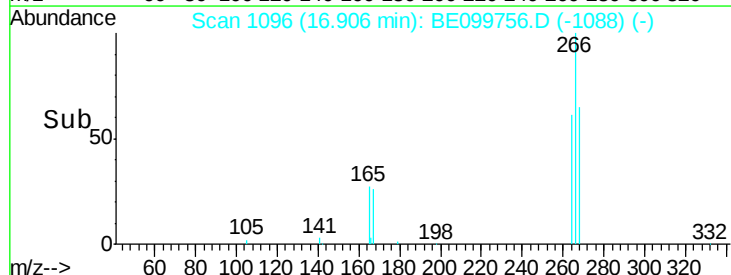
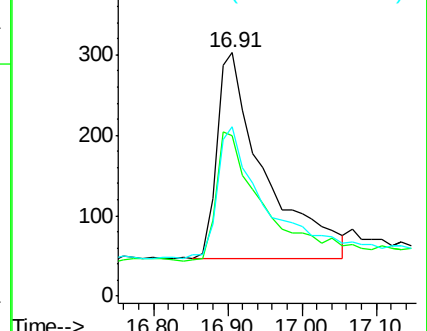
268 69.3 60.5 90.7

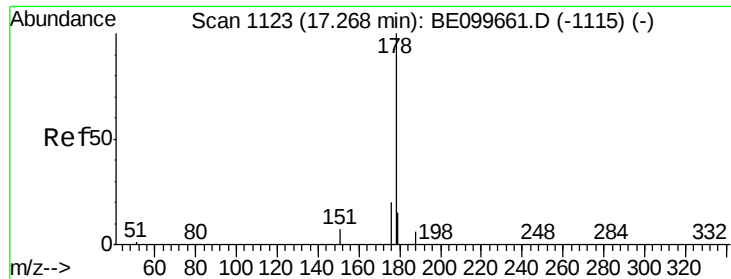


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.364 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

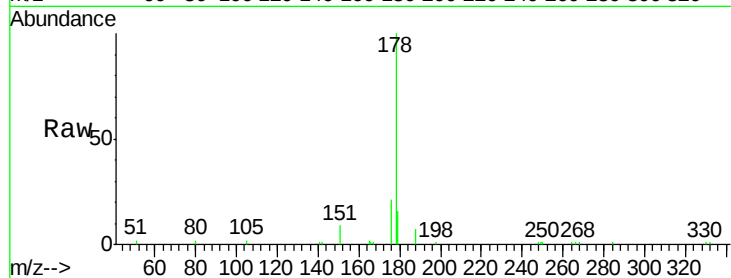
Tgt Ion:178 Resp: 7550

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

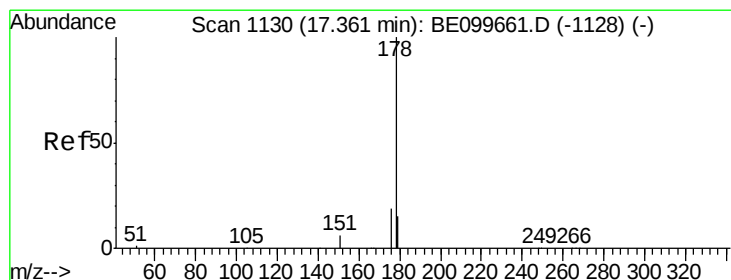
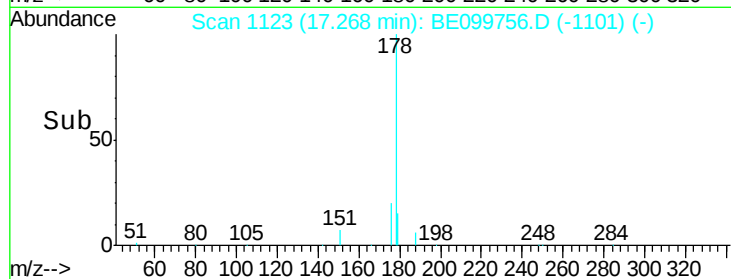
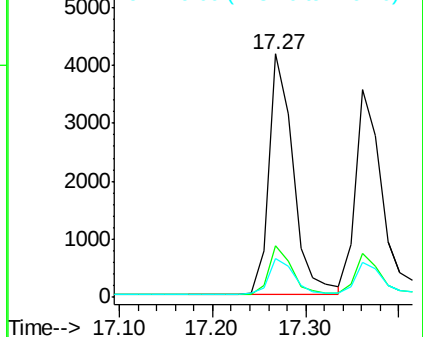
179 15.5 12.2 18.4



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: 0.346 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

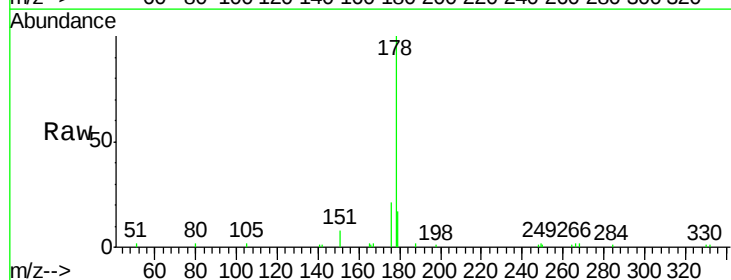
Tgt Ion:178 Resp: 6505

Ion Ratio Lower Upper

178 100

176 20.0 14.7 22.1

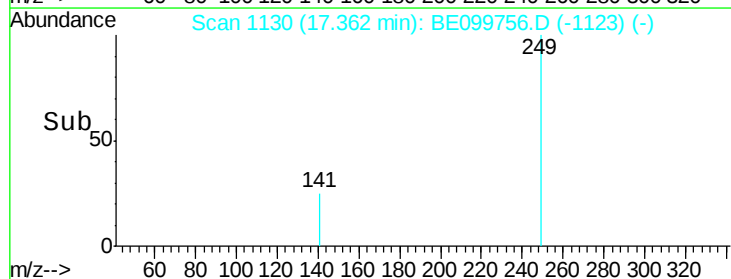
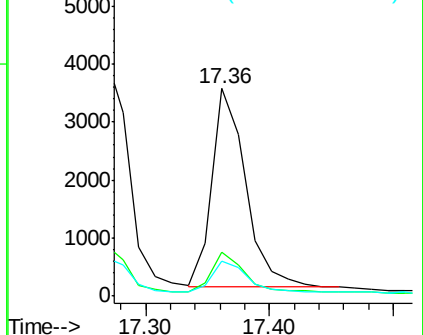
179 15.7 12.0 18.0

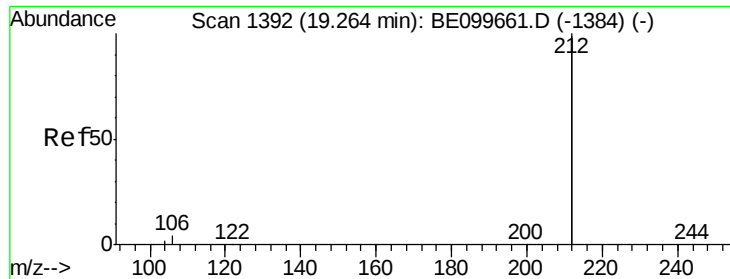


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.390 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

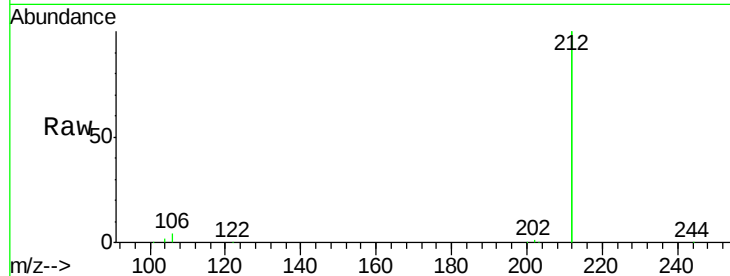
Tgt Ion:212 Resp: 45239

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

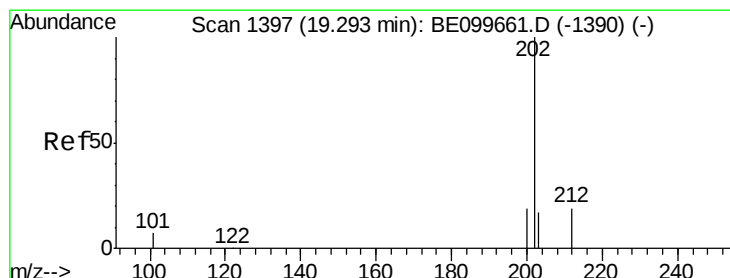
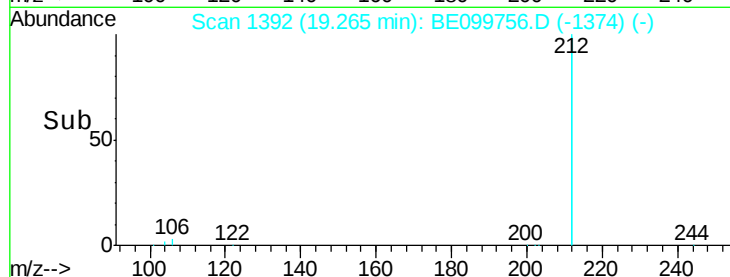
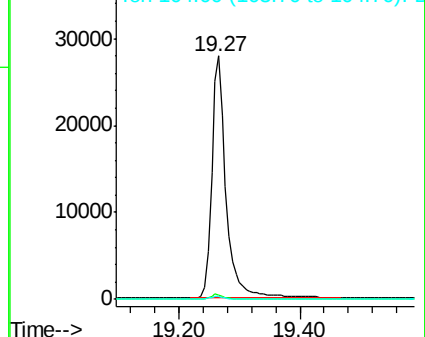
104 1.0 0.8 1.2



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: 0.384 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

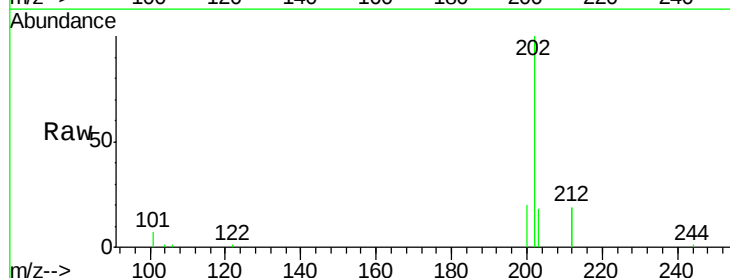
Tgt Ion:202 Resp: 12577

Ion Ratio Lower Upper

202 100

101 6.6 5.2 7.8

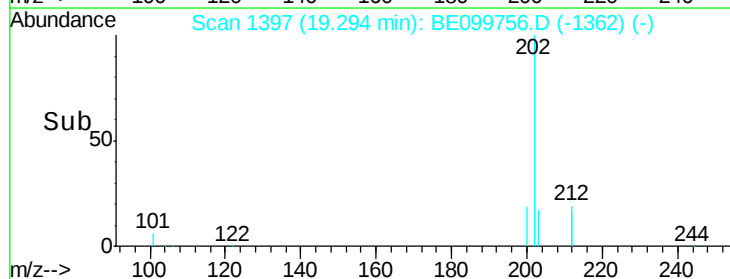
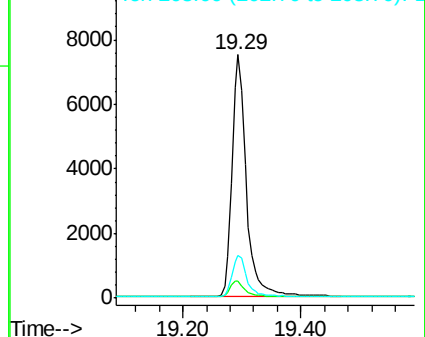
203 17.1 13.8 20.6



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

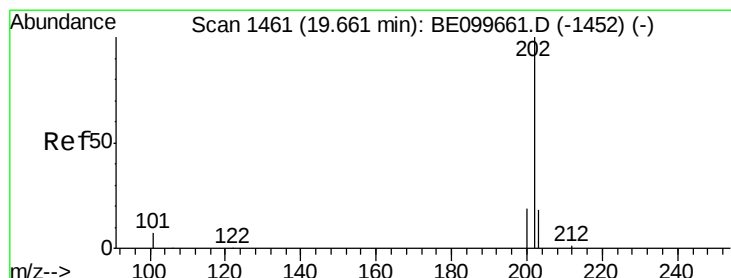
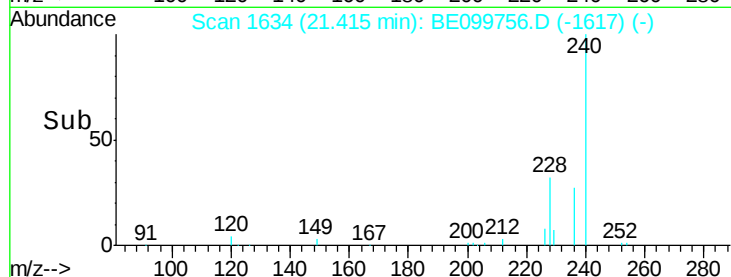
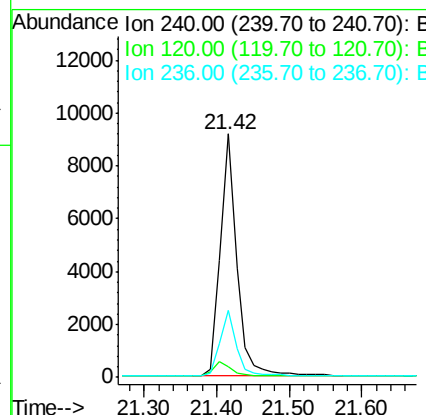
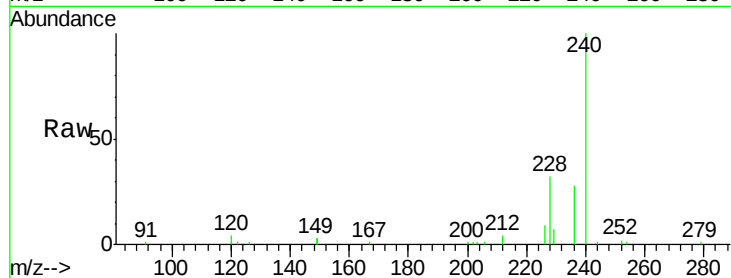




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099756.D
 Acq: 28 May 2019 14:39

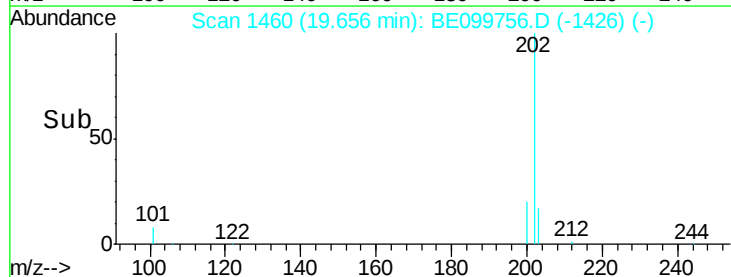
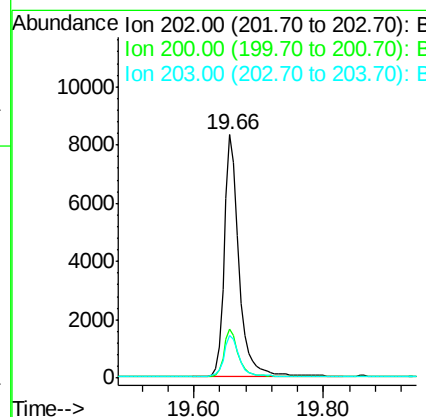
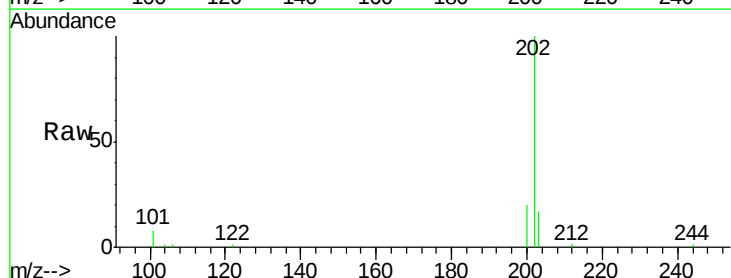
Instrument :
 BNA_E
 ClientSampleId :
 PB120100BS

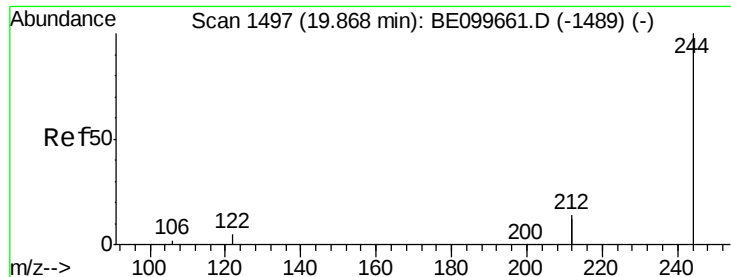
Tgt Ion:240 Resp: 14705
 Ion Ratio Lower Upper
 240 100
 120 4.3 5.4 8.0#
 236 27.6 21.7 32.5



#28
 Pyrene
 Concen: 0.355 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BE099756.D
 Acq: 28 May 2019 14:39

Tgt Ion:202 Resp: 13114
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.4 23.2
 203 18.2 13.8 20.8





#29

Terphenyl-d14

Concen: 0.386 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

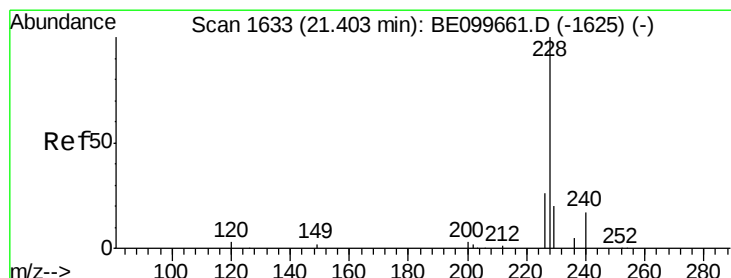
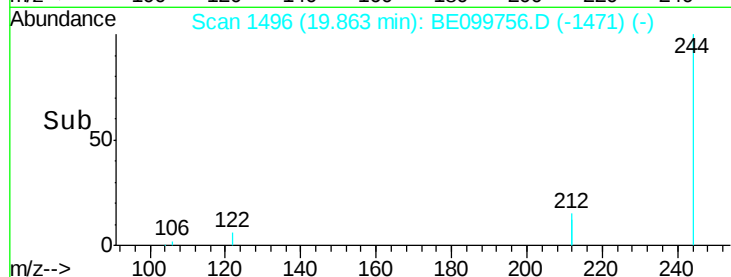
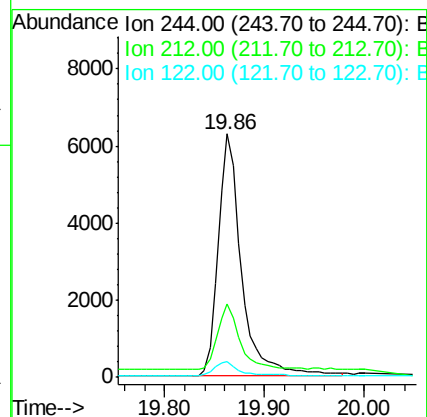
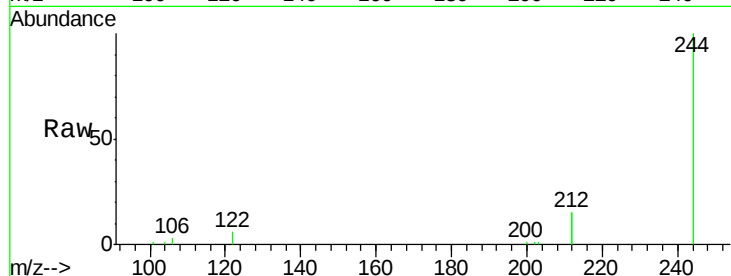
Tgt Ion:244 Resp: 10132

Ion Ratio Lower Upper

244 100

212 30.1 22.5 33.7

122 6.3 4.3 6.5



#30

Benzo(a)anthracene

Concen: 0.423 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

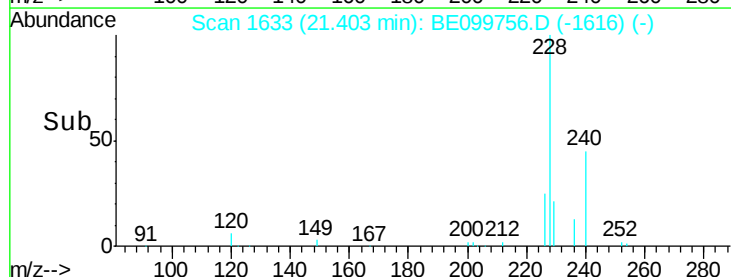
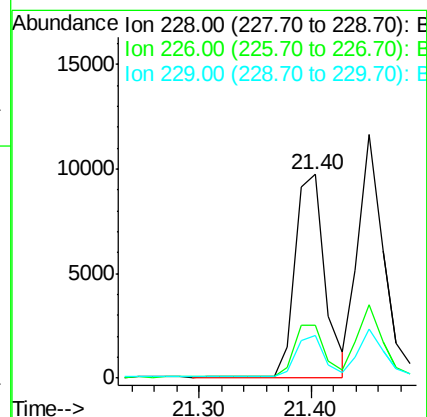
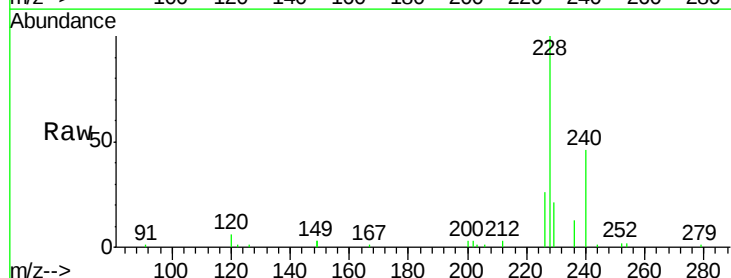
Tgt Ion:228 Resp: 17672

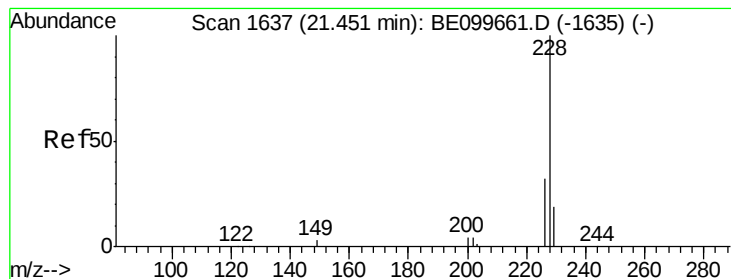
Ion Ratio Lower Upper

228 100

226 25.7 21.3 31.9

229 21.1 16.1 24.1





#31

Chrysene

Concen: 0.404 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

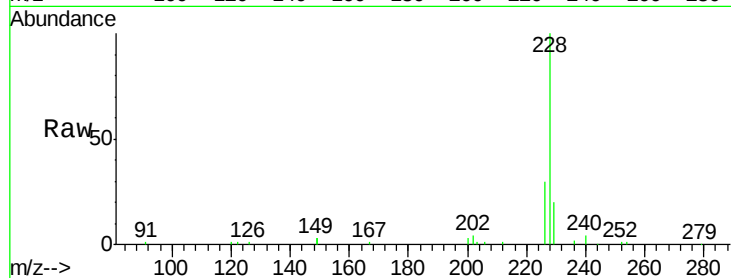
Tgt Ion:228 Resp: 18046

Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

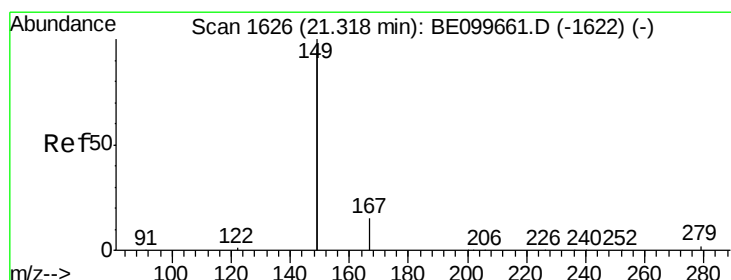
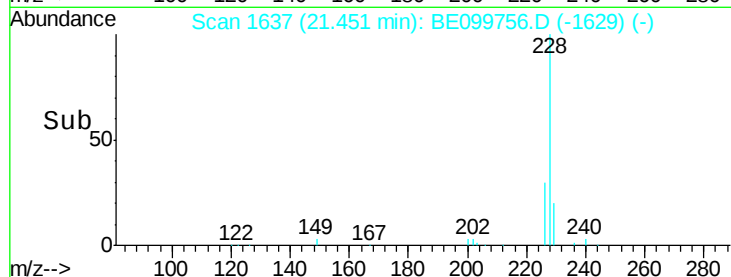
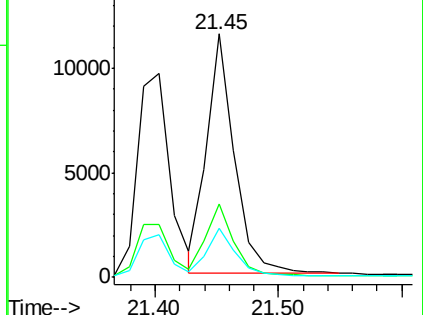
229 20.2 15.8 23.6



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: 0.373 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

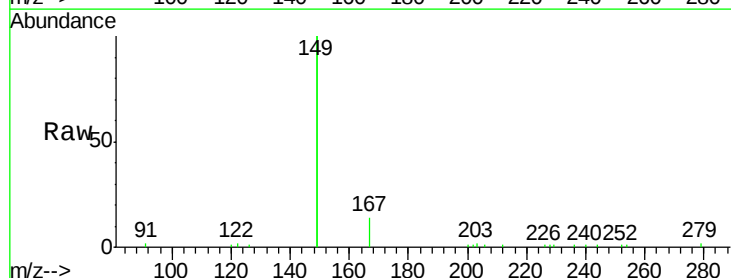
Tgt Ion:149 Resp: 17958

Ion Ratio Lower Upper

149 100

167 7.3 6.2 9.4

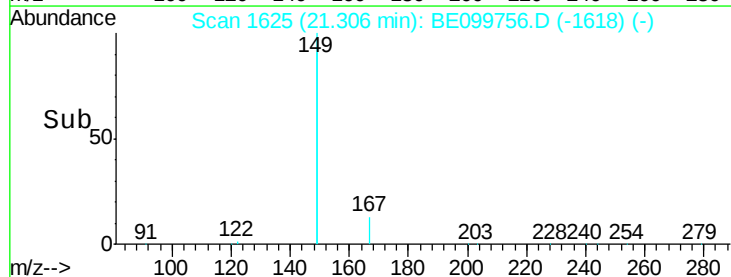
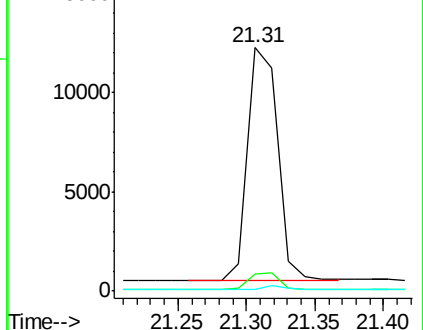
279 1.6 1.2 1.8

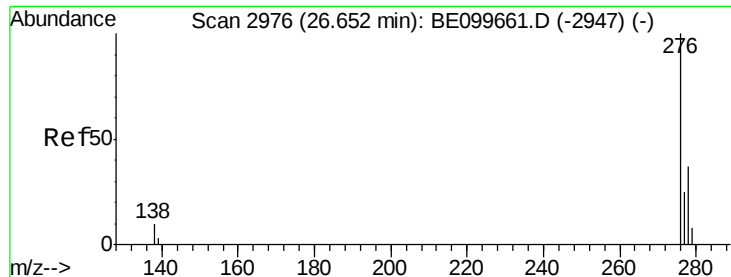


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.395 ng

RT: 26.65 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

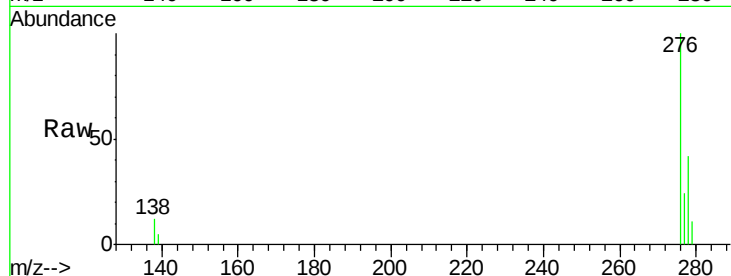
Tgt Ion:276 Resp: 21286

Ion Ratio Lower Upper

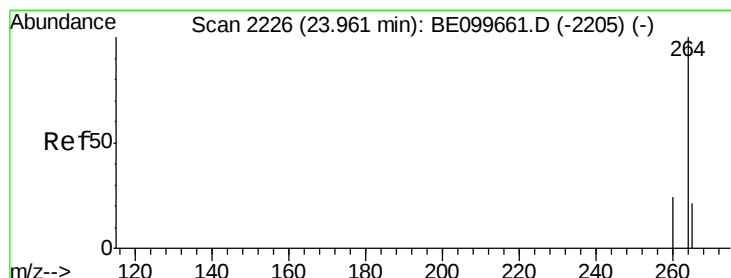
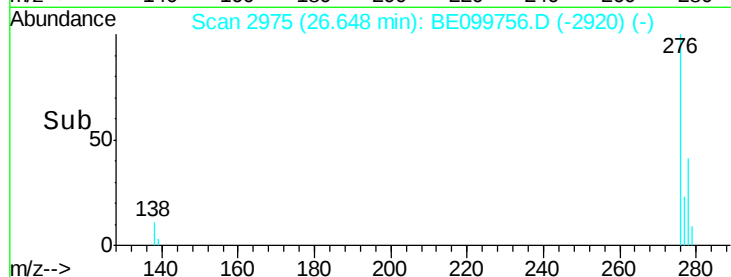
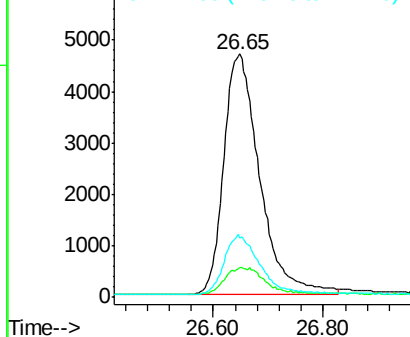
276 100

138 6.9 9.6 14.4#

277 24.5 19.2 28.8



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: 23.95 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

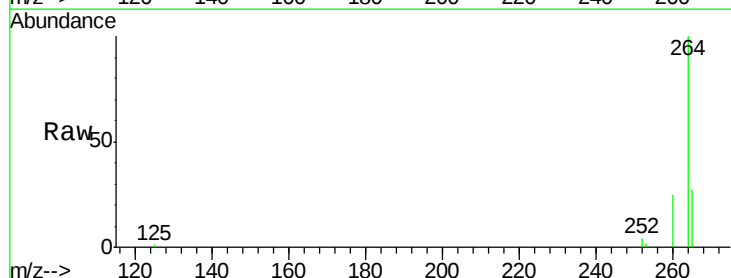
Tgt Ion:264 Resp: 16813

Ion Ratio Lower Upper

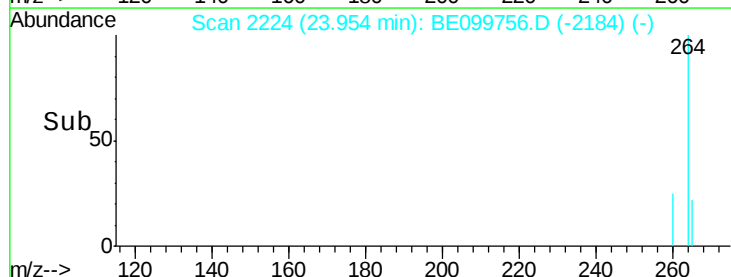
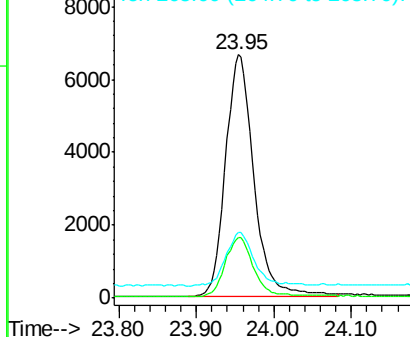
264 100

260 25.1 19.6 29.4

265 27.1 19.1 28.7



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: 0.383 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

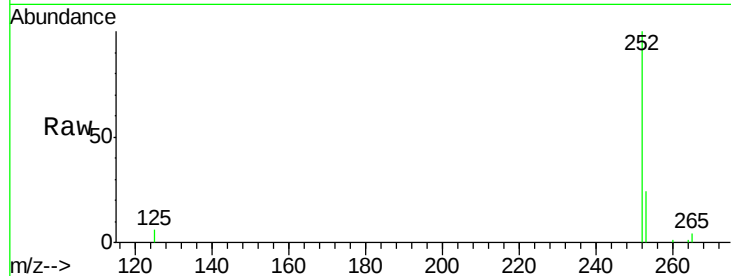
Tgt Ion:252 Resp: 17626

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.4

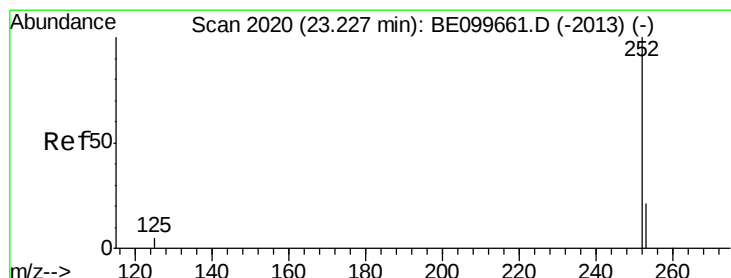
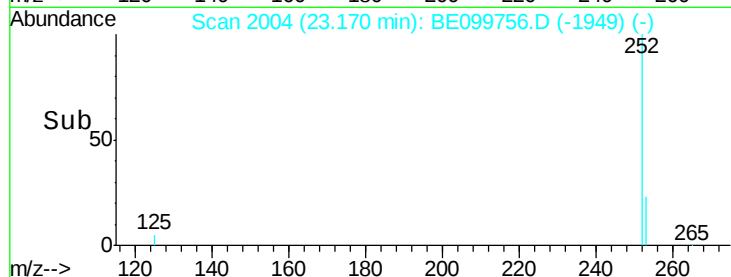
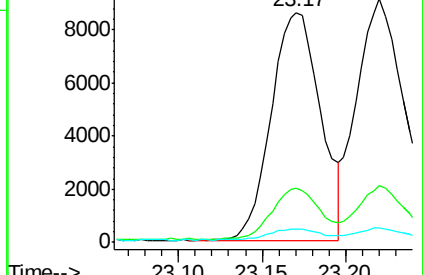
125 6.0 4.5 6.7



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: 0.402 ng

RT: 23.22 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

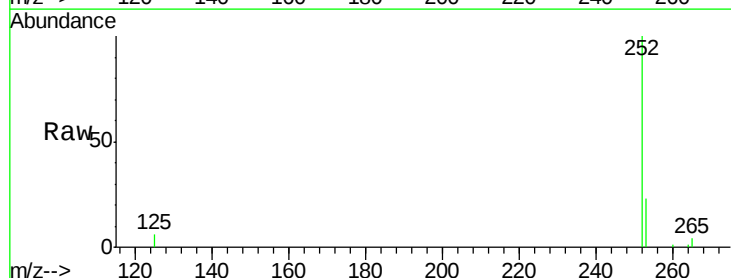
Tgt Ion:252 Resp: 19302

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

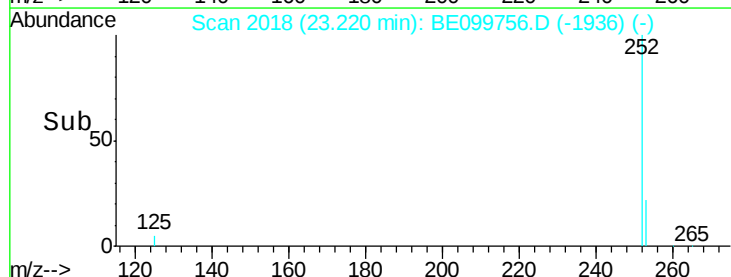
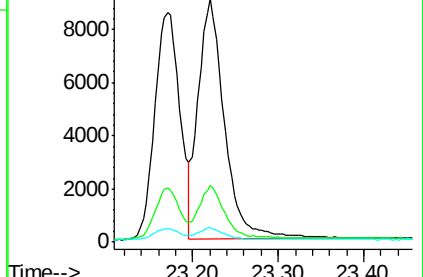
125 5.9 4.6 6.8



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: 0.403 ng

RT: 23.84 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

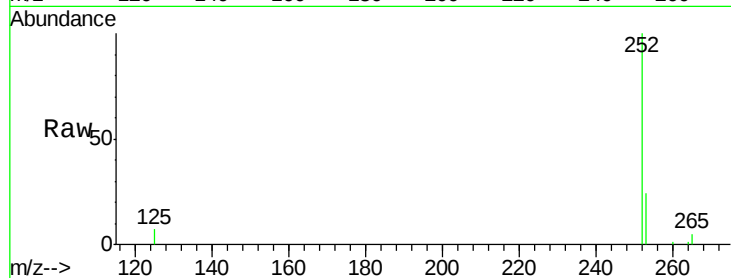
Tgt Ion: 252 Resp: 17863

Ion Ratio Lower Upper

252 100

253 23.6 18.9 28.3

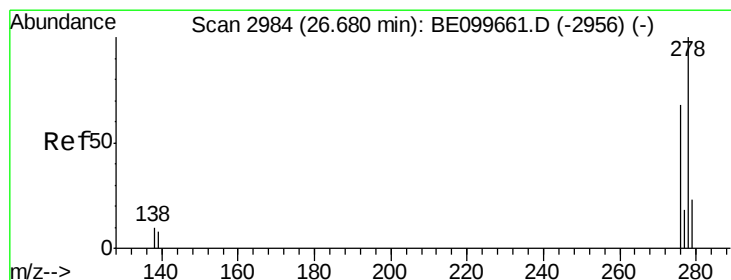
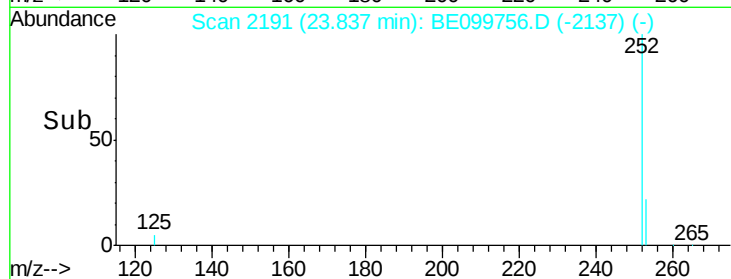
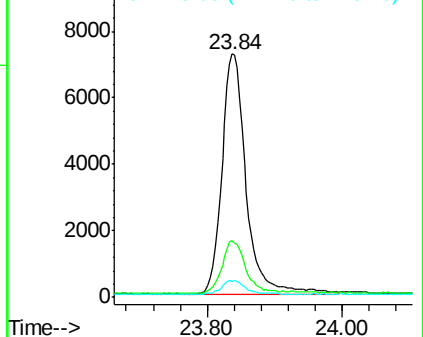
125 6.6 5.4 8.0



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: 0.369 ng

RT: 26.68 min Scan# 2983

Delta R.T. -0.00 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

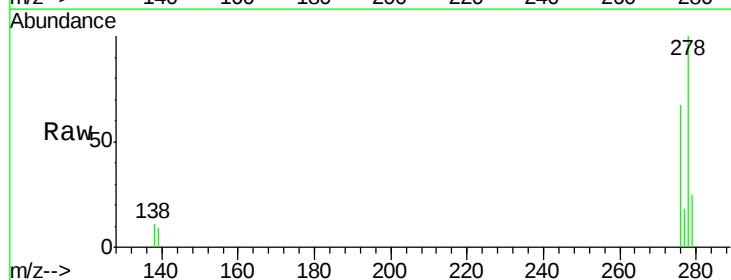
Tgt Ion: 278 Resp: 17186

Ion Ratio Lower Upper

278 100

139 8.6 6.9 10.3

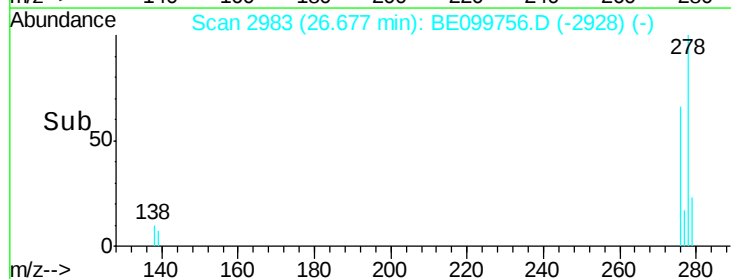
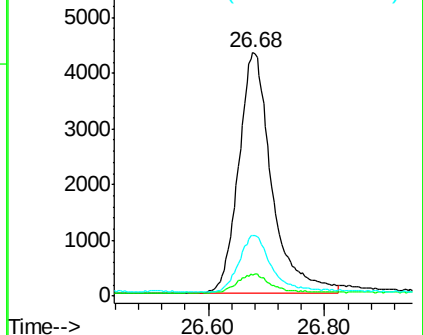
279 24.9 19.2 28.8

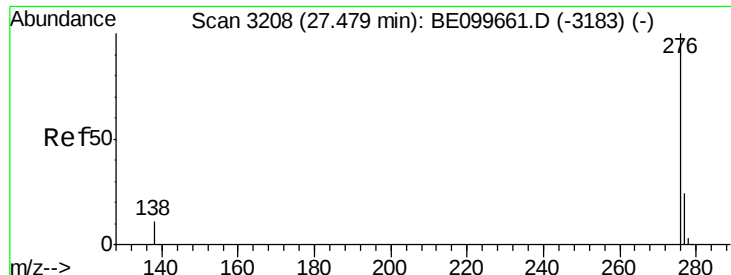


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.399 ng

RT: 27.47 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BE099756.D

Acq: 28 May 2019 14:39

Instrument :

BNA_E

ClientSampleId :

PB120100BS

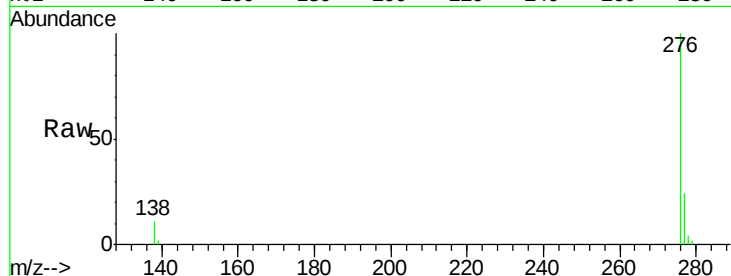
Tgt Ion: 276 Resp: 18741

Ion Ratio Lower Upper

276 100

277 24.0 19.8 29.6

138 11.5 9.2 13.8



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

