

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011520\
 Data File : BE101061.D
 Acq On : 15 Jan 2020 17:13
 Operator : JU
 Sample : PB126102BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB126102BS

Quant Time: Jan 16 04:14:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	3397	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	14484	0.40	ng	0.00
13) Acenaphthene-d10	14.35	164	7819	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	16427	0.40	ng	0.00
27) Chrysene-d12	21.27	240	15372	0.40	ng	-0.01
34) Perylene-d12	23.69	264	20271	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	1348	0.18	ng	-0.01
5) Phenol-d6	6.91	99	1025	0.11	ng	-0.01
8) Nitrobenzene-d5	8.86	82	4417	0.43	ng	-0.01
11) 2-Methylnaphthalene-d10	12.09	152	10214	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	15.85	330	715	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	11881	0.40	ng	-0.02
25) Fluoranthene-d10	19.12	212	73040	0.32	ng	-0.01
29) Terphenyl-d14	19.73	244	14625	0.39	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.29	88	1318	0.053	ng	# 45
3) n-Nitrosodimethylamine	3.59	42	1070	0.227	ng	# 70
6) bis(2-Chloroethyl)ether	7.15	93	3492	0.303	ng	89
9) Naphthalene	10.55	128	52787	0.328	ng	100
10) Hexachlorobutadiene	10.83	225	1992	0.292	ng	98
12) 2-Methylnaphthalene	12.16	142	7637	0.314	ng	98
16) Acenaphthylene	14.08	152	11434	0.359	ng	100
17) Acenaphthene	14.41	154	7190	0.315	ng	99
18) Fluorene	15.39	166	9041	0.314	ng	100
20) 4-Bromophenyl-phenylether	16.29	248	2986	0.373	ng	93
21) Hexachlorobenzene	16.40	284	2710	0.308	ng	99
22) Pentachlorophenol	16.75	266	588	0.441	ng	94
23) Phenanthrene	17.13	178	14248	0.318	ng	99
24) Anthracene	17.23	178	14781	0.349	ng	98
26) Fluoranthene	19.15	202	17974	0.320	ng	100
28) Pyrene	19.51	202	18804	0.329	ng	99
30) Benzo(a)anthracene	21.26	228	14905	0.340	ng	98
31) Chrysene	21.31	228	22301	0.342	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	36856	0.504	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	23551	0.457	ng	96
35) Benzo(b)fluoranthene	22.95	252	16491	0.290	ng	99
36) Benzo(k)fluoranthene	23.00	252	22466	0.273	ng	97
37) Benzo(a)pyrene	23.58	252	19971	0.363	ng	98
38) Dibenzo(a,h)anthracene	26.26	278	18163	0.359	ng	96
39) Benzo(g,h,i)perylene	27.01	276	20943	0.337	ng	99

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

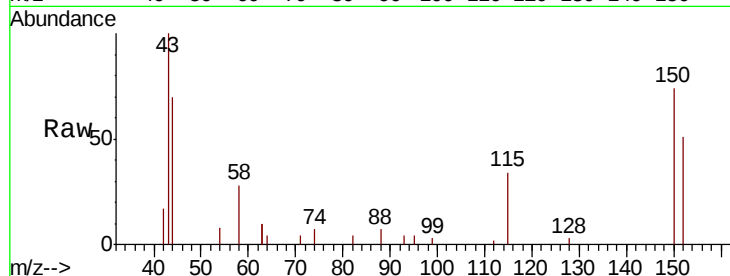


#1

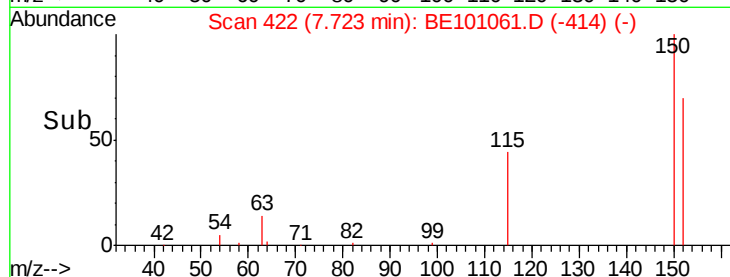
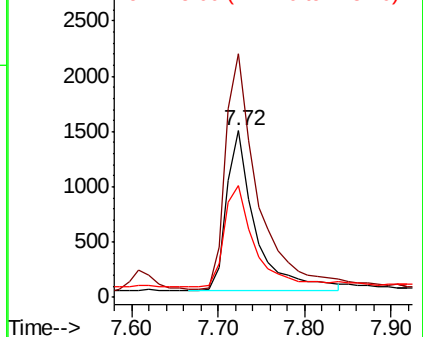
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101061.D
Acq: 15 Jan 2020 17:13

Instrument :
BNA_E
ClientSampleId :
PB126102BS

Tot Ion:152 Resp: 3397
Ion Ratio Lower Upper
152 100
150 146.2 120.3 180.5
115 66.8 51.7 77.5



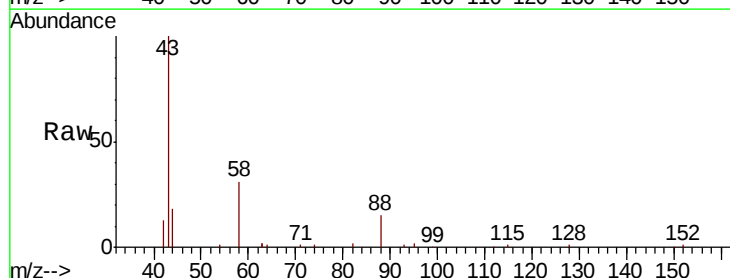
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



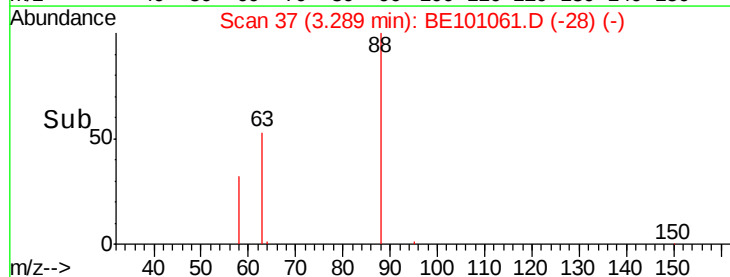
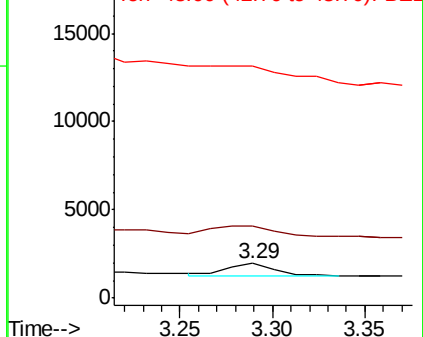
#2

1,4-Dioxane
Concen: 0.053 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101061.D
Acq: 15 Jan 2020 17:13

Tgt Ion: 88 Resp: 1318
Ion Ratio Lower Upper
88 100
58 109.7 53.0 79.4#
43 0.0 23.4 35.2#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.227 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.02 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

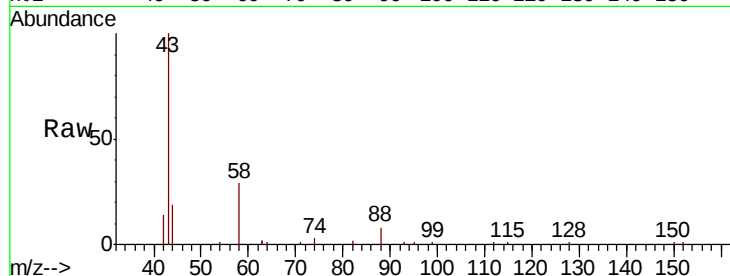
Tot Ion: 42 Resp: 1070

Ion Ratio Lower Upper

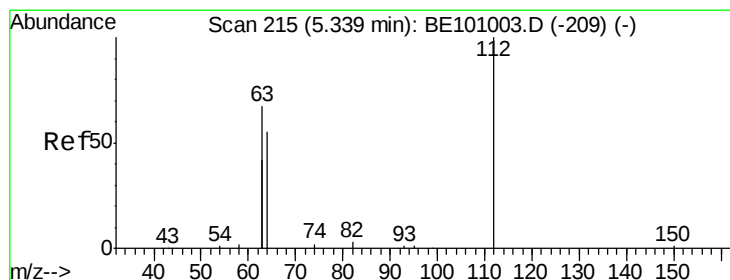
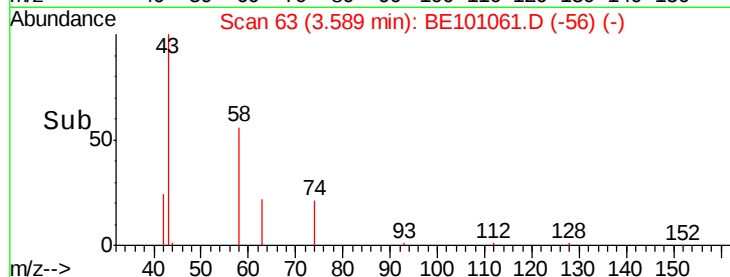
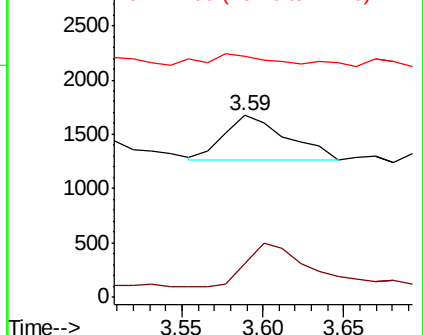
42 100

74 96.7 105.7 158.5#

44 0.0 10.0 15.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.176 ng

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

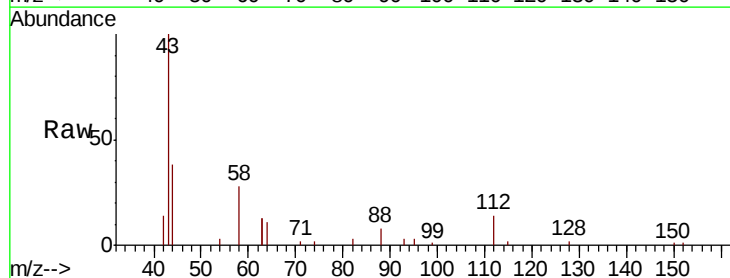
Tgt Ion: 112 Resp: 1348

Ion Ratio Lower Upper

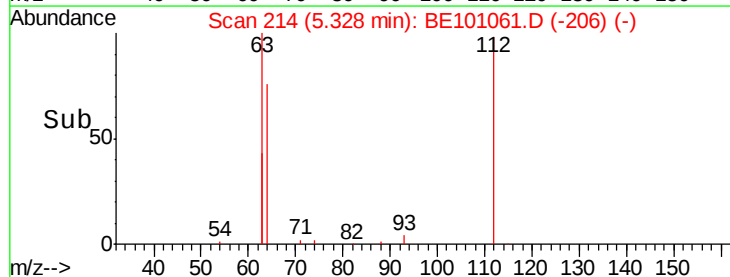
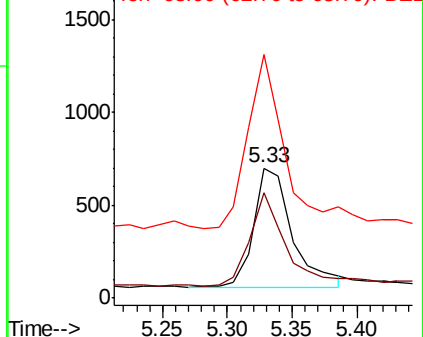
112 100

64 72.2 53.6 80.4

63 132.7 114.6 172.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.106 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

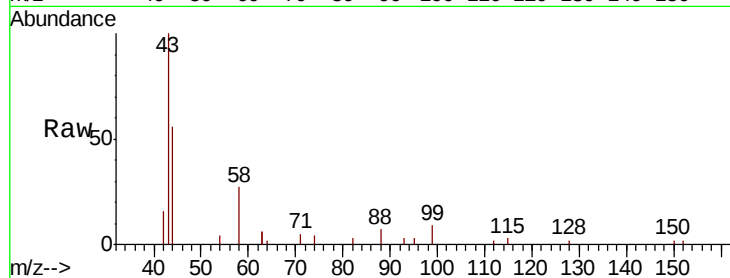
Tot Ion: 99 Resp: 1025

Ion Ratio Lower Upper

99 100

42 23.7 18.3 27.5

71 0.0 28.0 42.0#



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1

800

600

400

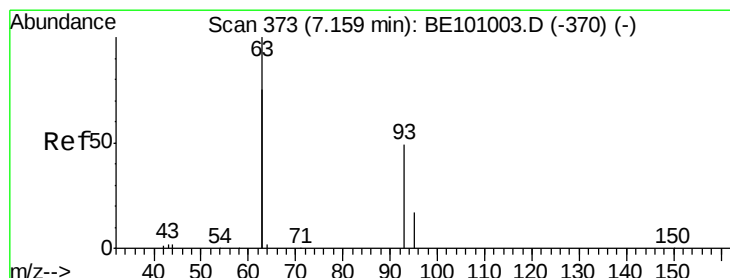
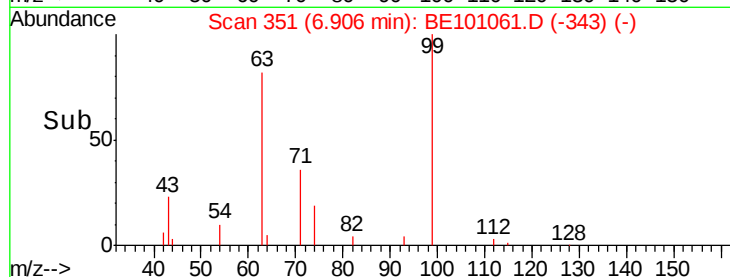
200

0

6.80 6.90 7.00

6.91

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.303 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

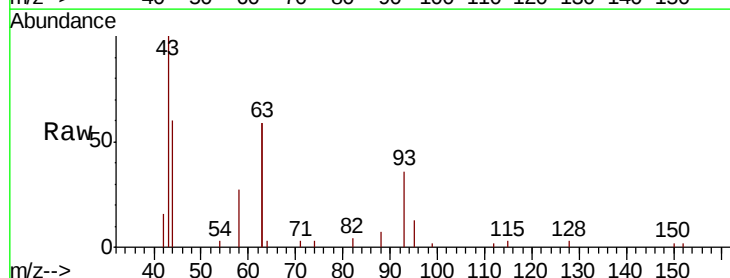
Tgt Ion: 93 Resp: 3492

Ion Ratio Lower Upper

93 100

63 315.1 233.9 350.9

95 33.3 23.5 35.3



Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1

5000

4000

3000

2000

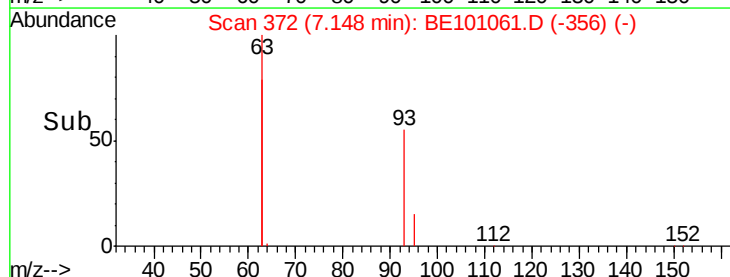
1000

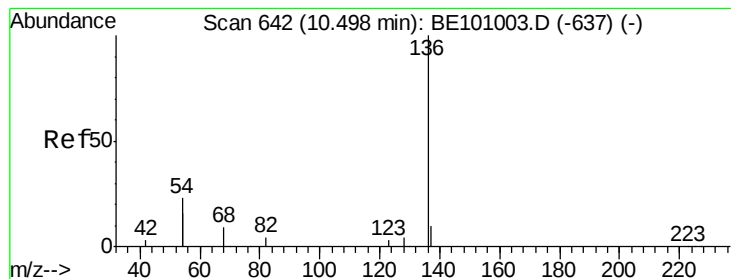
0

7.10 7.20 7.30

7.15

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

Tot Ion:136 Resp: 14484

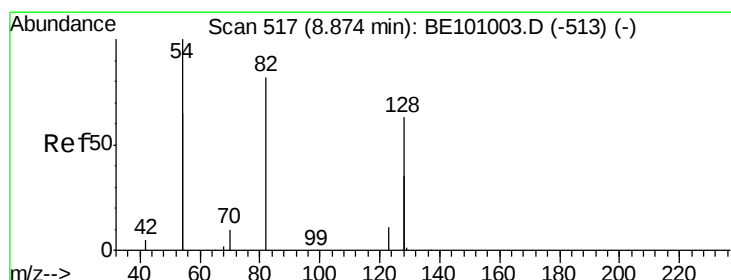
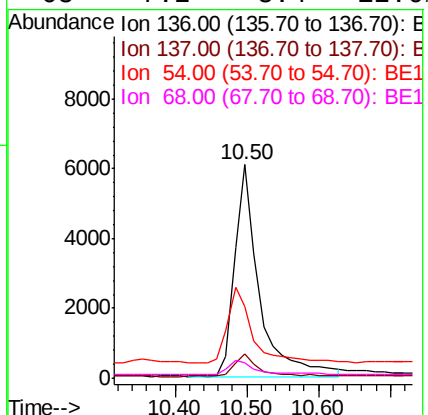
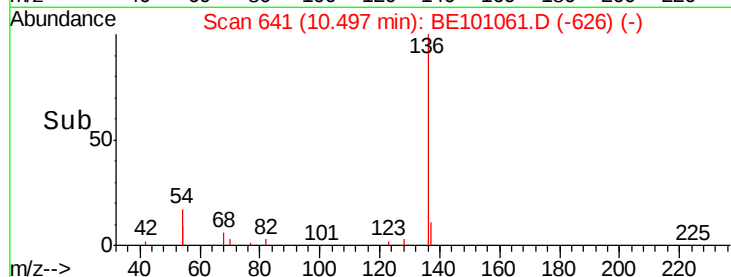
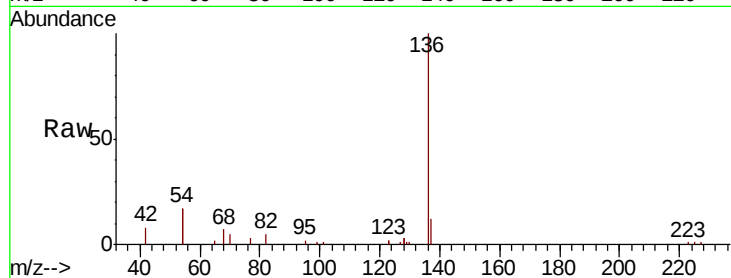
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 33.4 36.8 55.2#

68 7.2 8.4 12.6#



#8

Nitrobenzene-d5

Concen: 0.426 ng

RT: 8.86 min Scan# 515

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

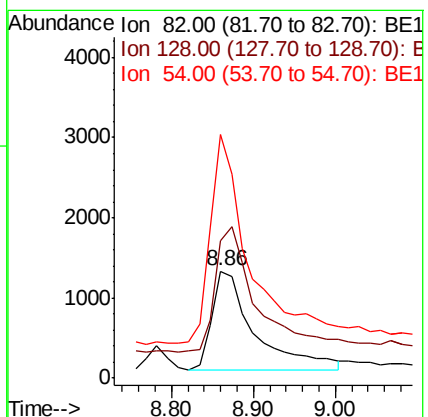
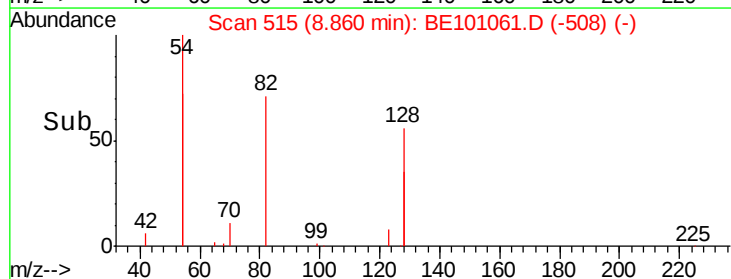
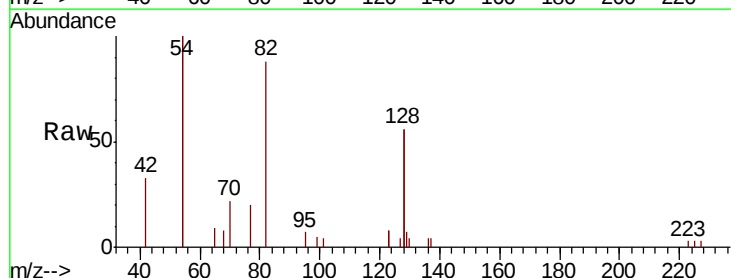
Tgt Ion: 82 Resp: 4417

Ion Ratio Lower Upper

82 100

128 128.5 109.8 164.6

54 227.7 174.5 261.7





#9

Naphthalene

Concen: 0.328 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

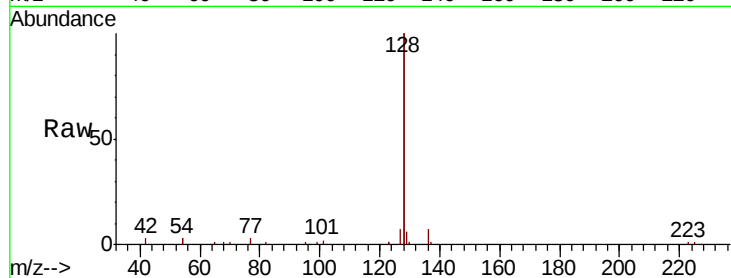
Tot Ion:128 Resp: 52787

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

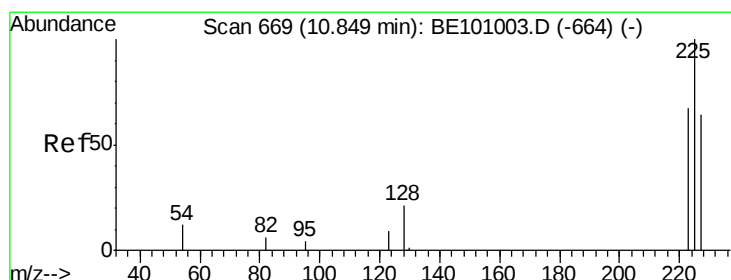
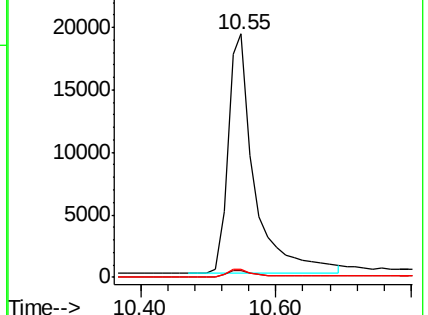
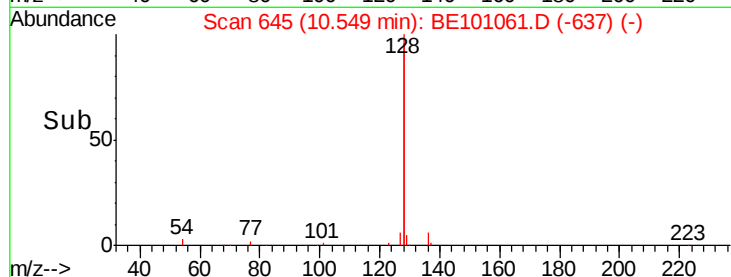
127 3.6 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.292 ng

RT: 10.83 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

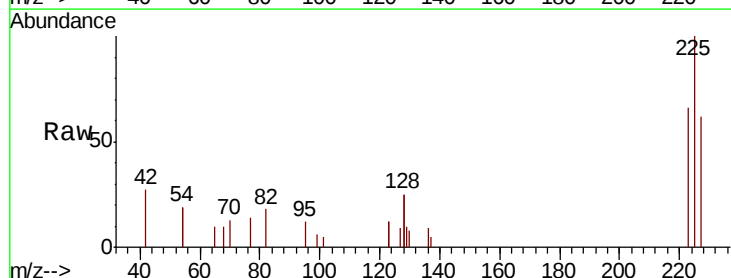
Tgt Ion:225 Resp: 1992

Ion Ratio Lower Upper

225 100

223 63.2 52.2 78.4

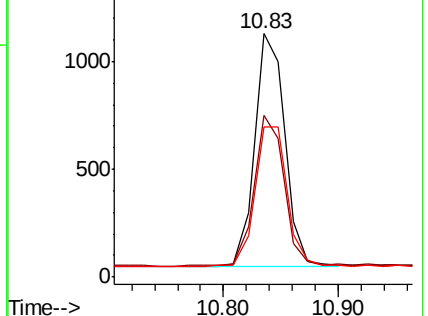
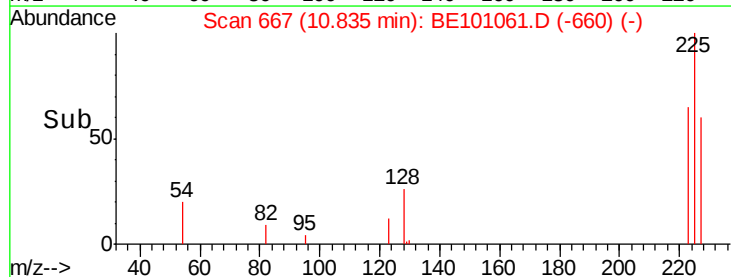
227 63.9 49.9 74.9

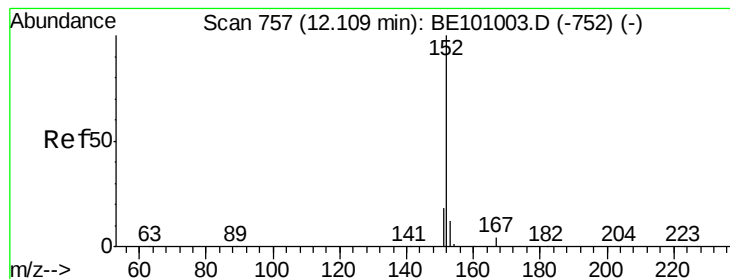


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.370 ng

RT: 12.09 min Scan# 755

Delta R.T. -0.02 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

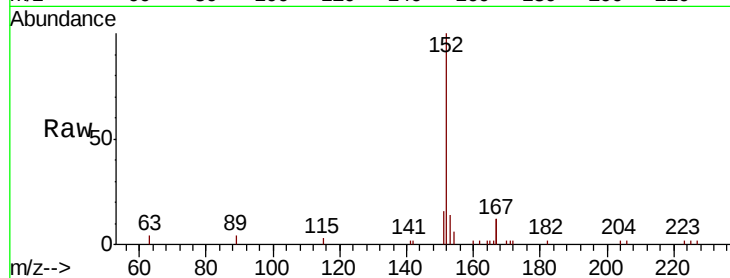
PB126102BS

Tot Ion:152 Resp: 10214

Ion Ratio Lower Upper

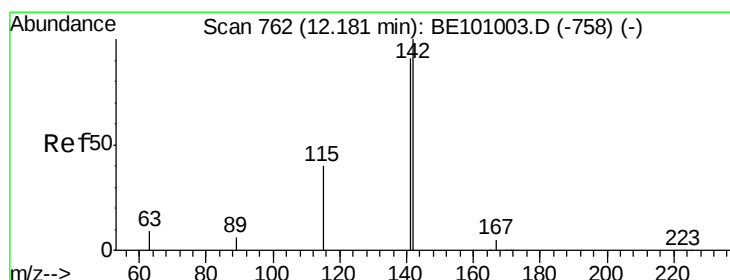
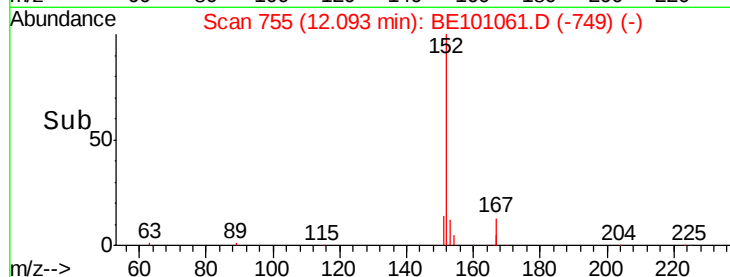
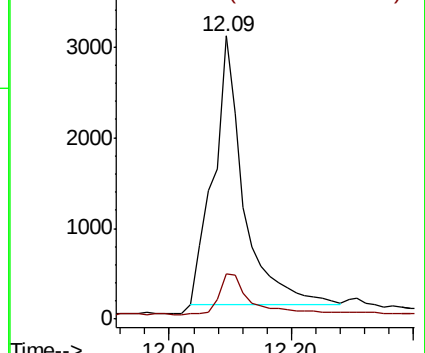
152 100

151 15.0 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: 0.314 ng

RT: 12.16 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

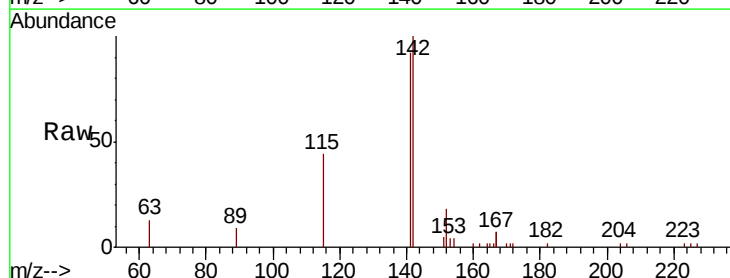
Tgt Ion:142 Resp: 7637

Ion Ratio Lower Upper

142 100

141 92.2 72.5 108.7

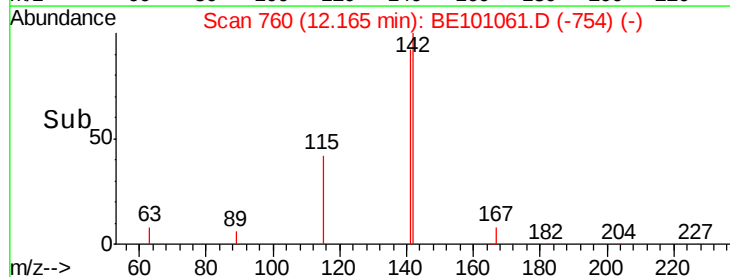
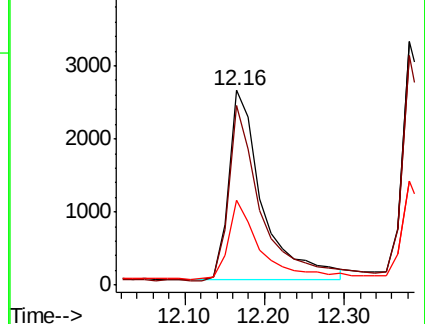
115 43.8 33.0 49.6

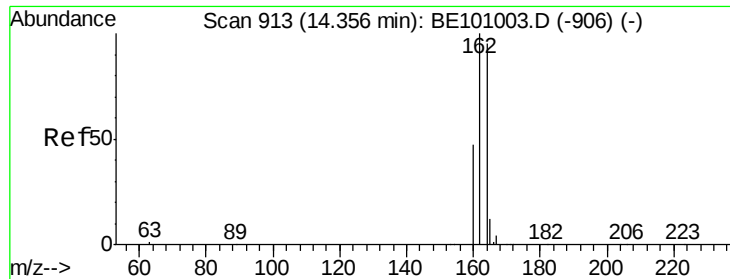


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.35 min Scan# 912

Delta R.T. -0.00 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

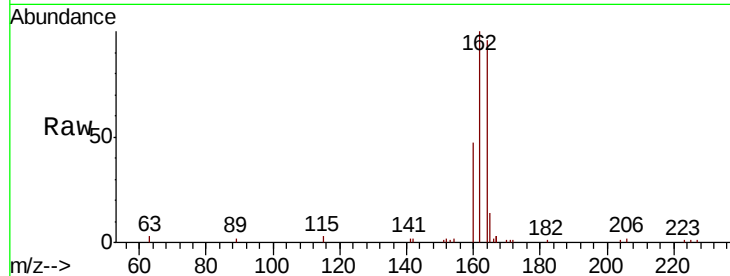
Tot Ion:164 Resp: 7819

Ion Ratio Lower Upper

164 100

162 104.4 84.1 126.1

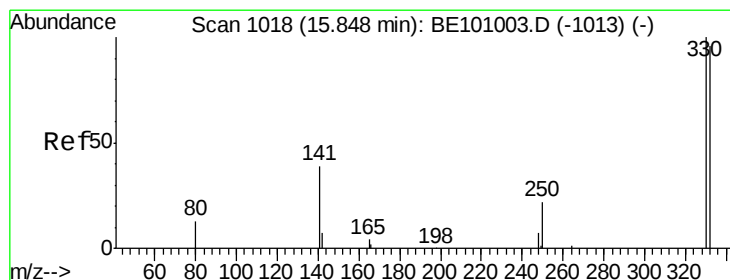
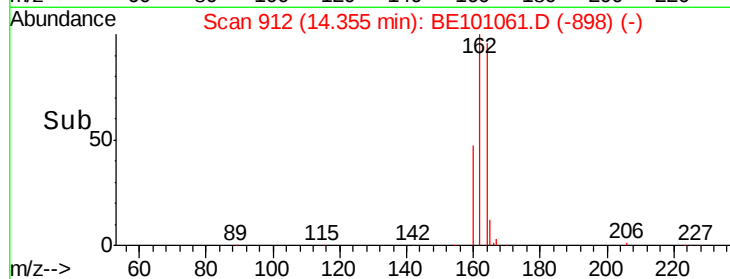
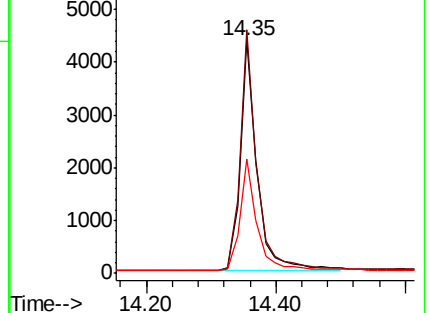
160 49.2 40.4 60.6



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: 0.324 ng

RT: 15.85 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

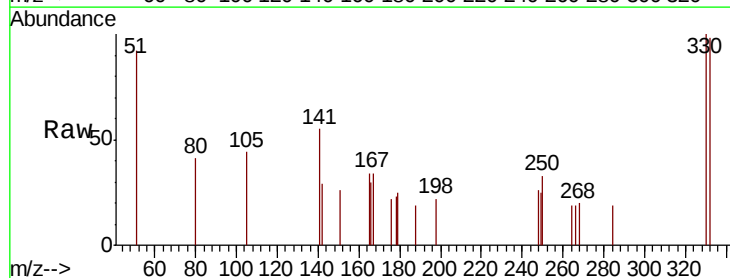
Tgt Ion:330 Resp: 715

Ion Ratio Lower Upper

330 100

332 96.2 78.4 117.6

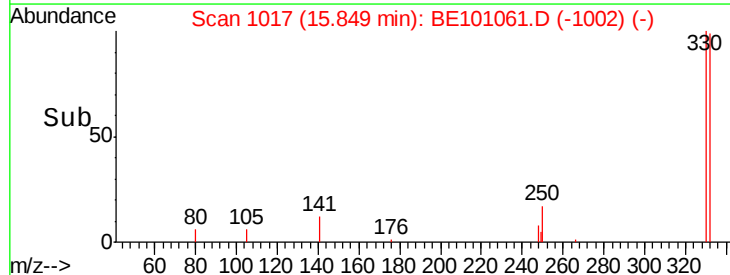
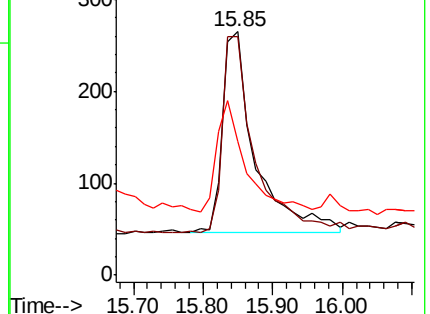
141 49.9 37.0 55.4



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

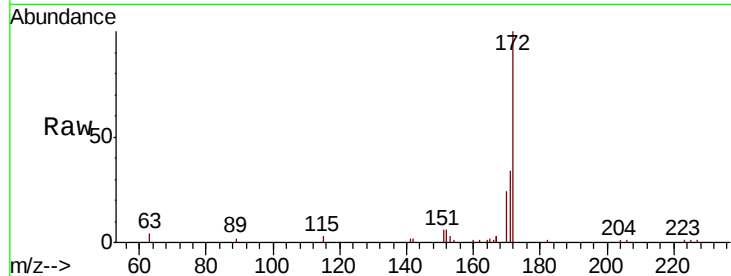




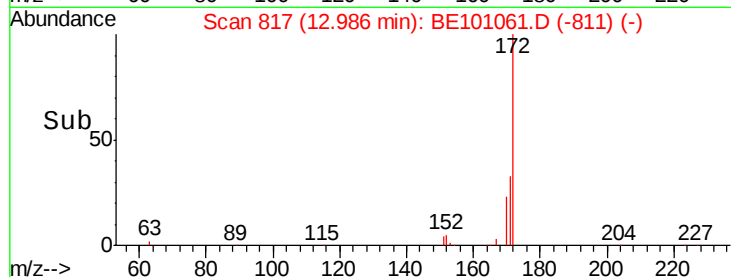
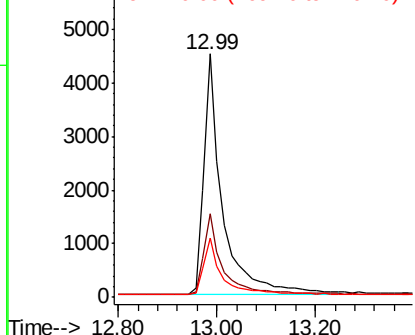
#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.02 min
Lab File: BE101061.D
Acq: 15 Jan 2020 17:13

Instrument :
BNA_E
ClientSampleId :
PB126102BS

Tot Ion:172 Resp: 11881
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 24.3 18.9 28.3

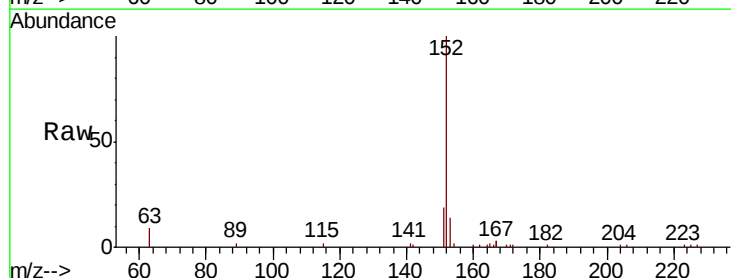


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

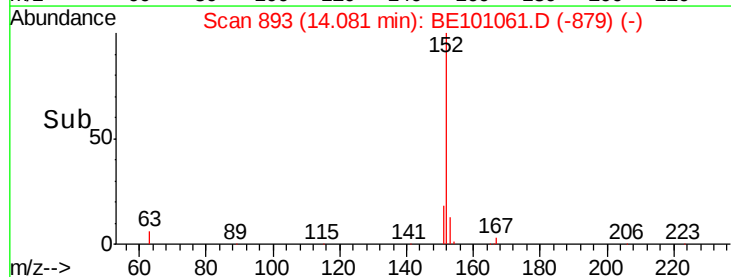
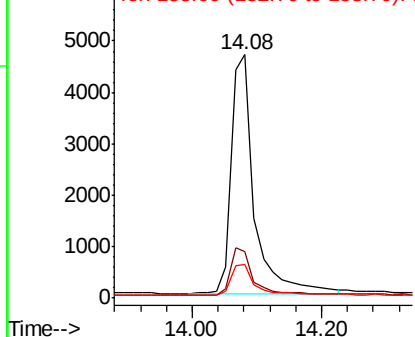


#16
Acenaphthylene
Concen: 0.359 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101061.D
Acq: 15 Jan 2020 17:13

Tgt Ion:152 Resp: 11434
Ion Ratio Lower Upper
152 100
151 19.2 15.5 23.3
153 13.2 10.4 15.6



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

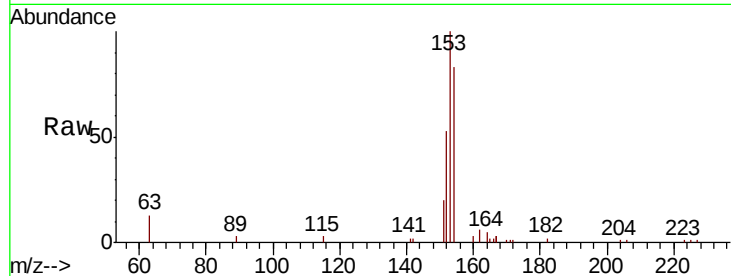




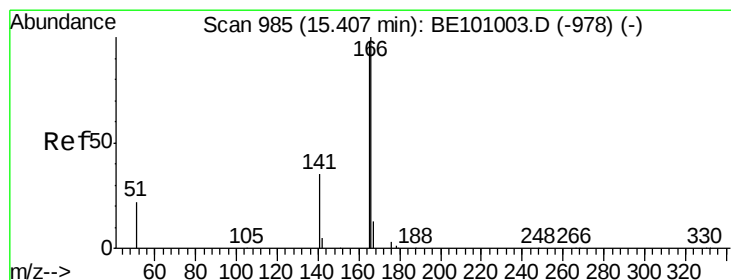
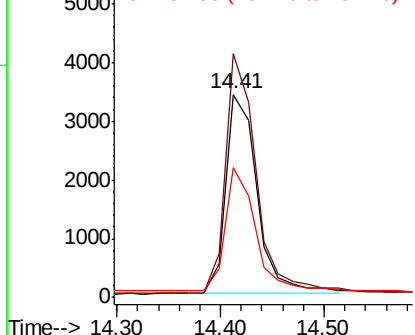
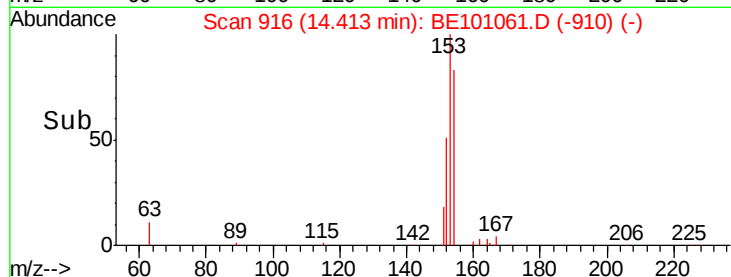
#17
Acenaphthene
Concen: 0.315 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.02 min
Lab File: BE101061.D
Acq: 15 Jan 2020 17:13

Instrument :
BNA_E
ClientSampleId :
PB126102BS

Tot Ion:154 Resp: 7190
Ion Ratio Lower Upper
154 100
153 117.7 93.6 140.4
152 59.2 46.3 69.5

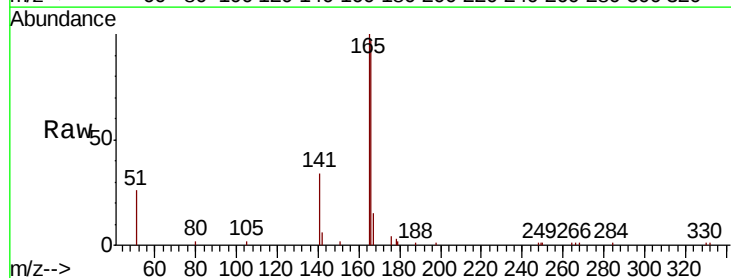


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

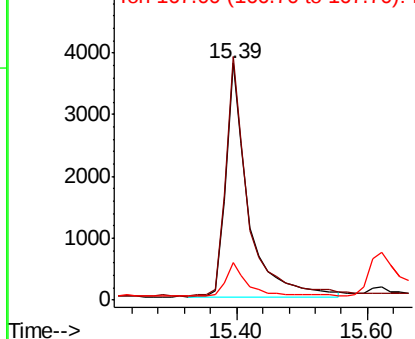
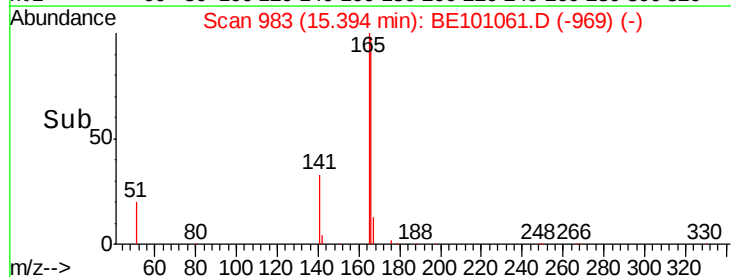


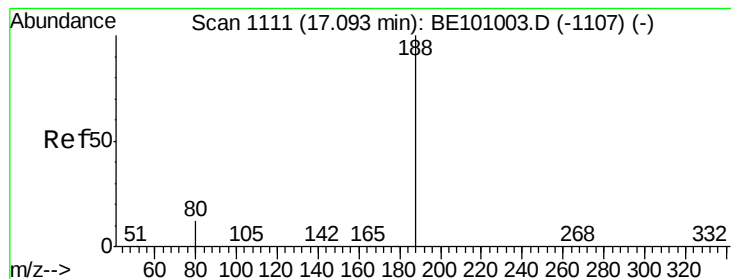
#18
Fluorene
Concen: 0.314 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101061.D
Acq: 15 Jan 2020 17:13

Tgt Ion:166 Resp: 9041
Ion Ratio Lower Upper
166 100
165 100.2 79.8 119.8
167 14.2 11.0 16.6



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: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

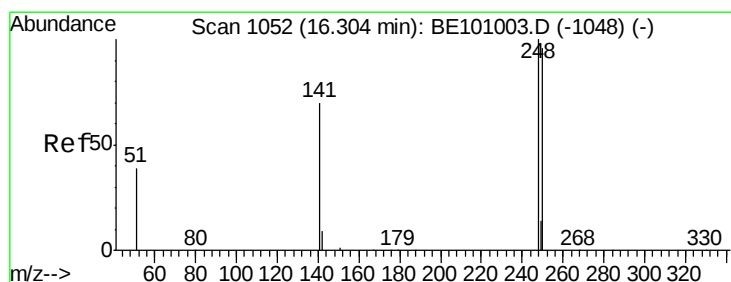
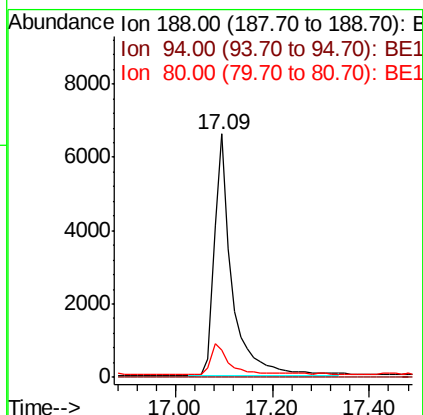
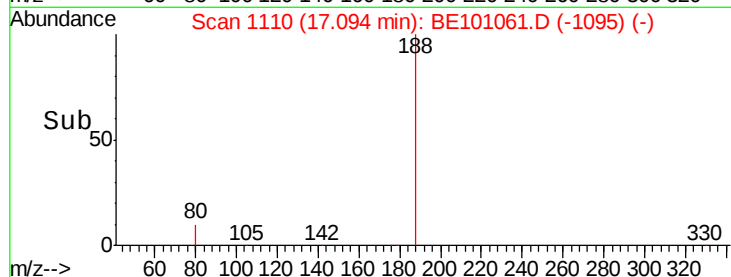
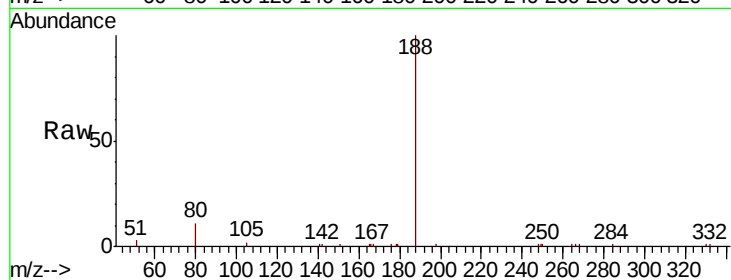
Tot Ion:188 Resp: 16427

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.4 10.8 16.2



#20

4-Bromophenyl-phenylether

Concen: 0.373 ng

RT: 16.29 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

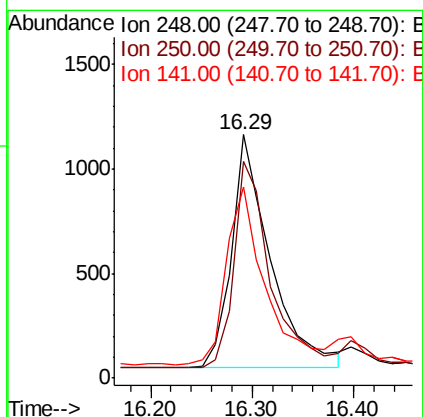
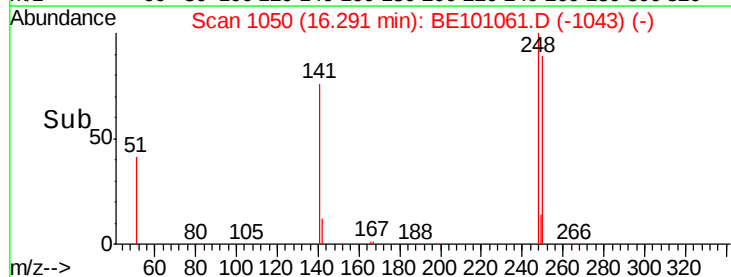
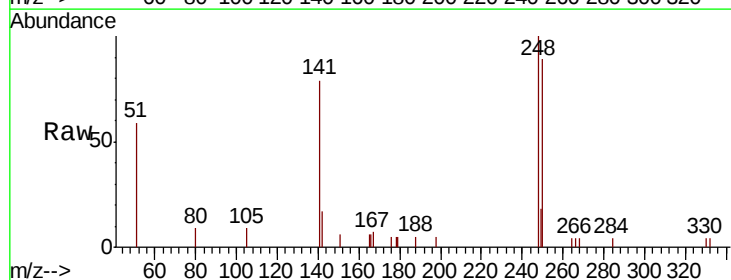
Tgt Ion:248 Resp: 2986

Ion Ratio Lower Upper

248 100

250 89.2 76.6 115.0

141 78.6 57.7 86.5





#21

Hexachlorobenzene

Concen: 0.308 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

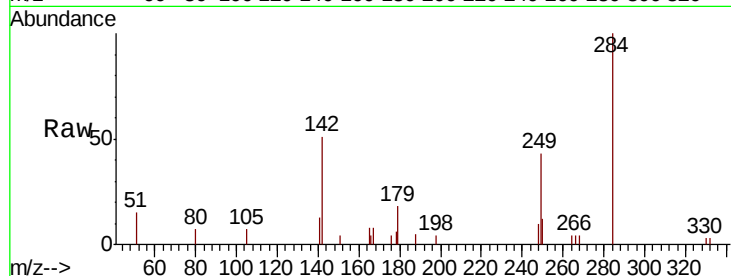
Tot Ion:284 Resp: 2710

Ion Ratio Lower Upper

284 100

142 43.0 34.0 51.0

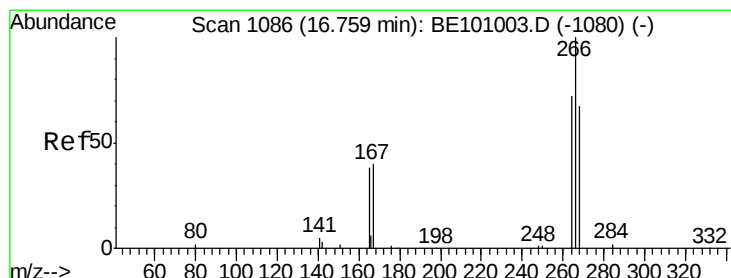
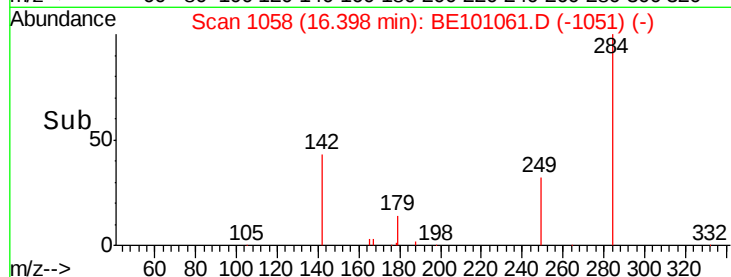
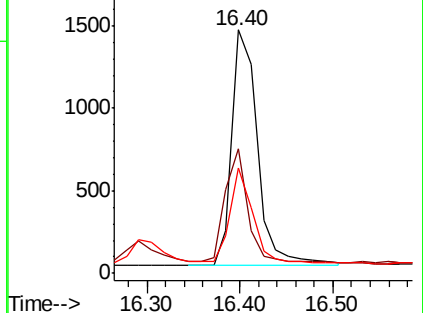
249 35.5 28.2 42.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.441 ng

RT: 16.75 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

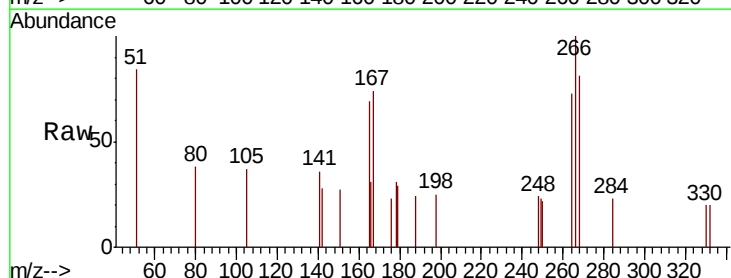
Tgt Ion:266 Resp: 588

Ion Ratio Lower Upper

266 100

264 73.2 61.0 91.4

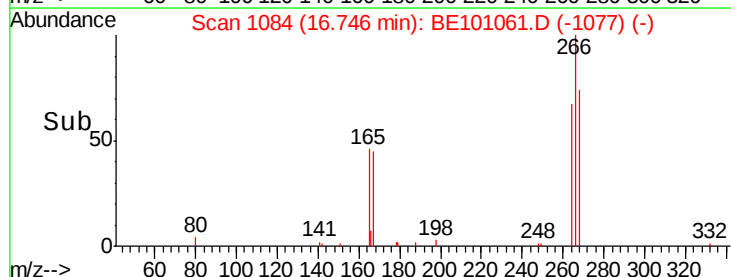
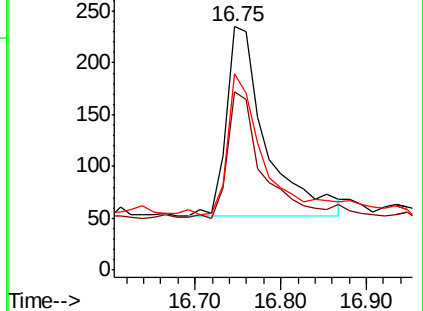
268 80.9 58.5 87.7



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: 0.318 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

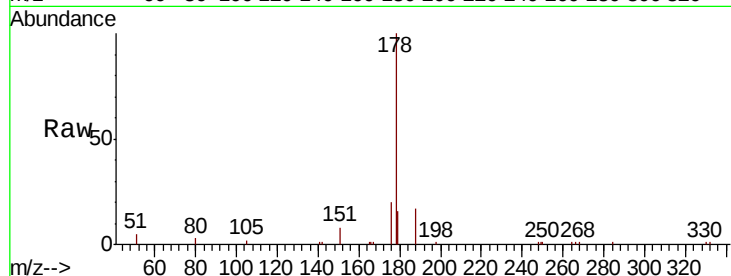
Tot Ion:178 Resp: 14248

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

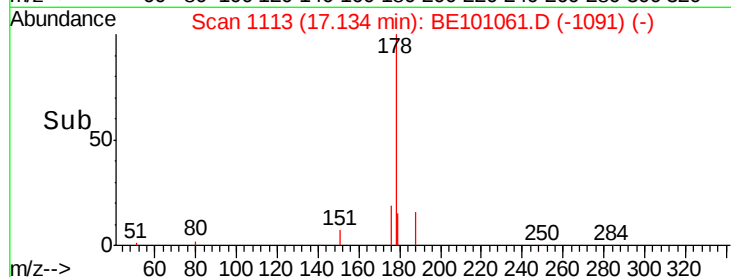
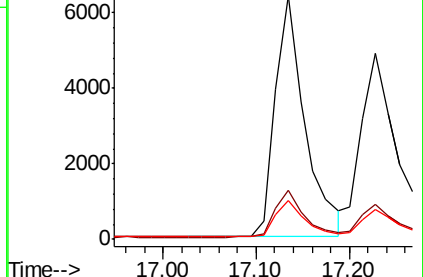
179 15.6 12.0 18.0



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



#24

Anthracene

Concen: 0.349 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

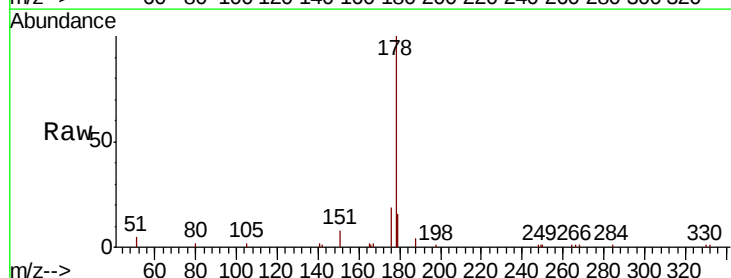
Tgt Ion:178 Resp: 14781

Ion Ratio Lower Upper

178 100

176 17.8 14.8 22.2

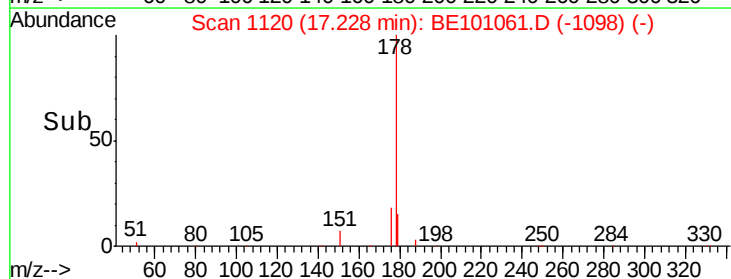
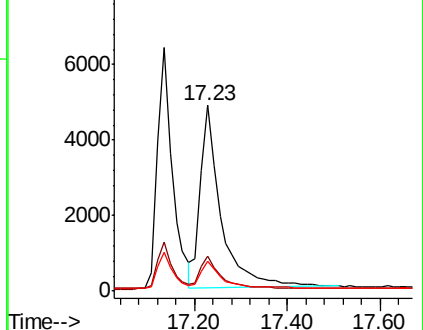
179 14.8 12.4 18.6

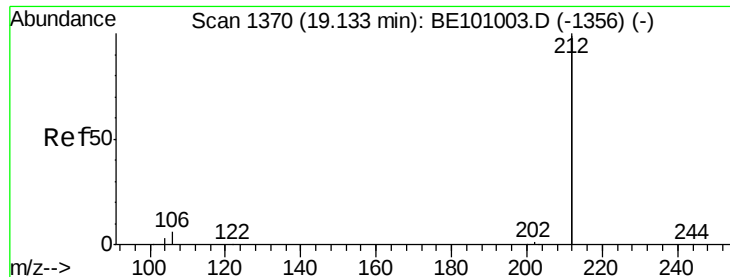


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.320 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

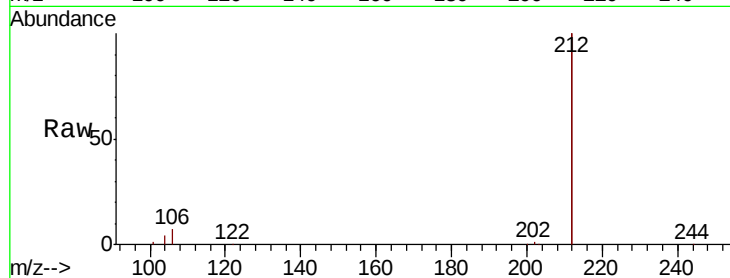
Tot Ion:212 Resp: 73040

Ion Ratio Lower Upper

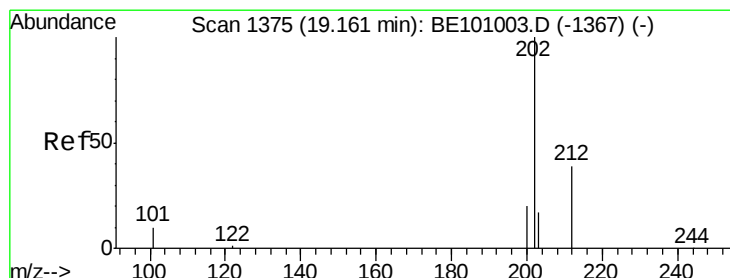
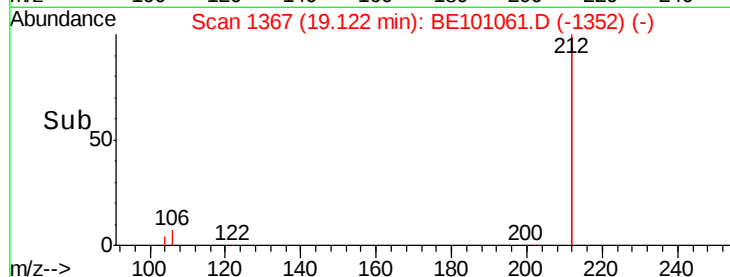
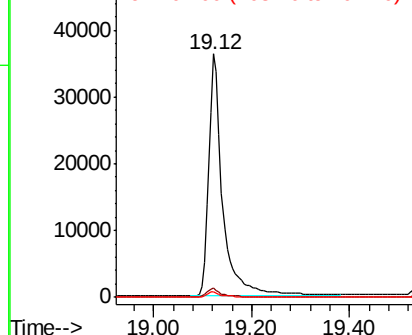
212 100

106 3.4 2.6 3.8

104 1.8 1.4 2.0



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: 0.320 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

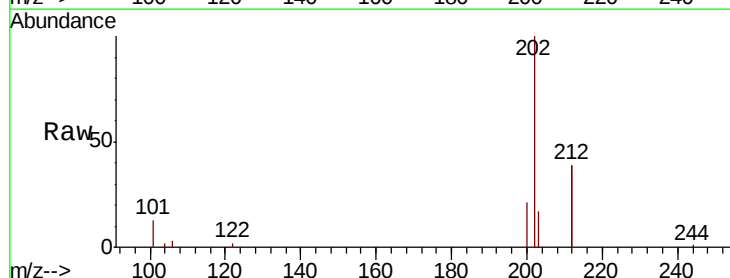
Tgt Ion:202 Resp: 17974

Ion Ratio Lower Upper

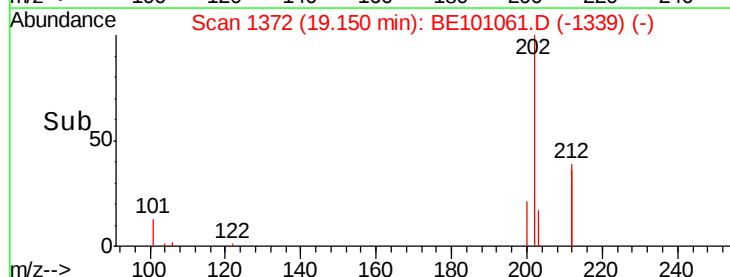
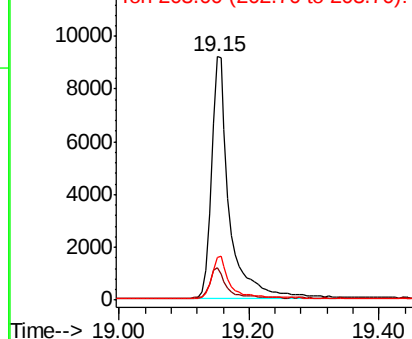
202 100

101 12.0 9.6 14.4

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: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

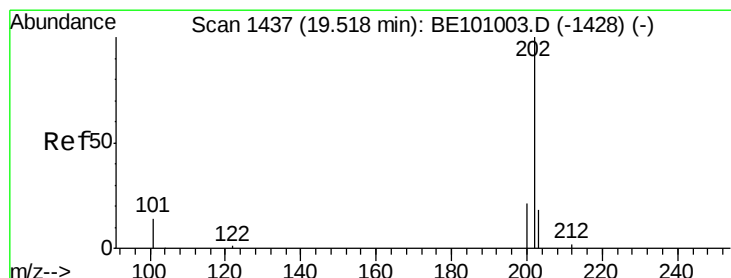
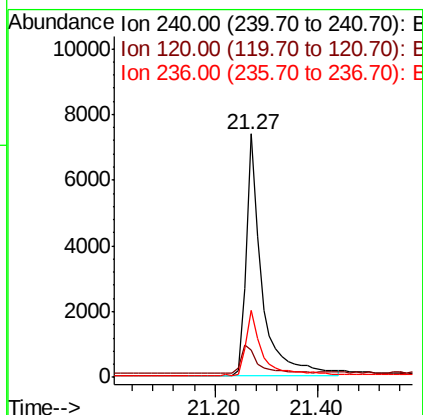
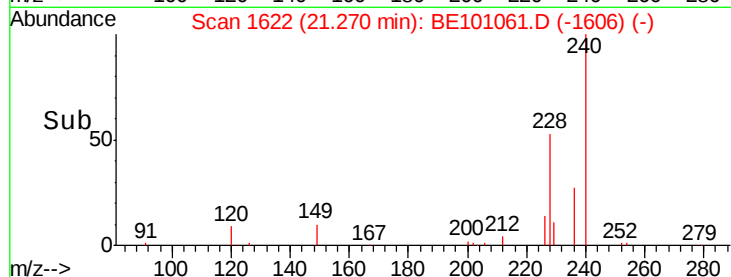
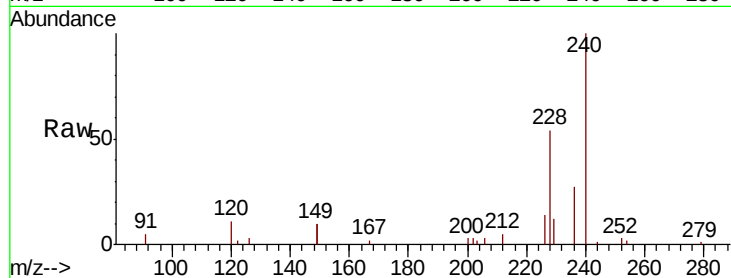
Tot Ion:240 Resp: 15372

Ion Ratio Lower Upper

240 100

120 11.0 8.6 13.0

236 27.5 22.2 33.4



#28

Pyrene

Concen: 0.329 ng

RT: 19.51 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

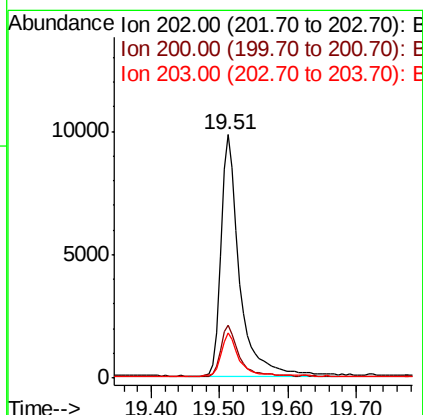
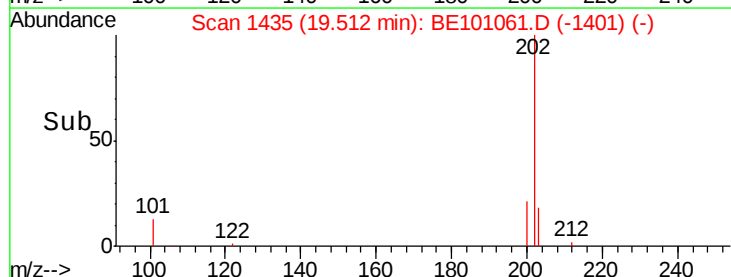
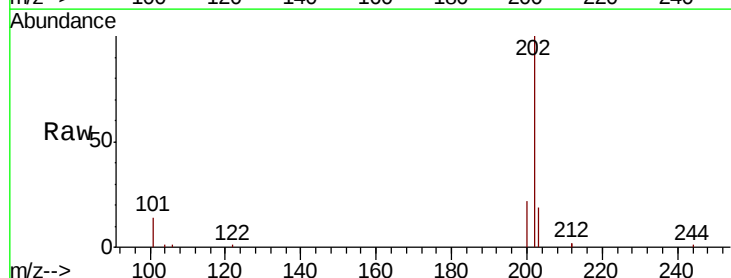
Tgt Ion:202 Resp: 18804

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.7 13.8 20.6





#29

Terphenyl-d14

Concen: 0.388 ng

RT: 19.73 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

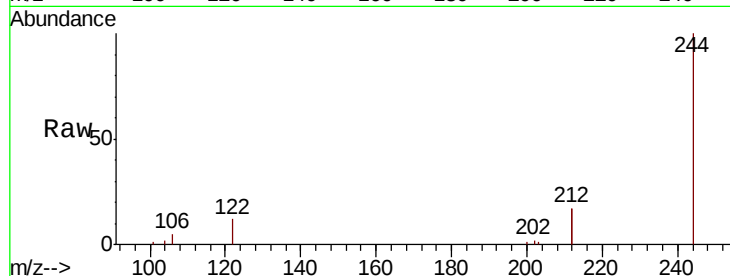
Tot Ion:244 Resp: 14625

Ion Ratio Lower Upper

244 100

212 33.8 27.2 40.8

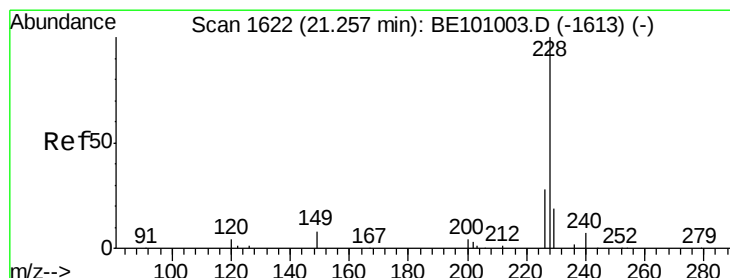
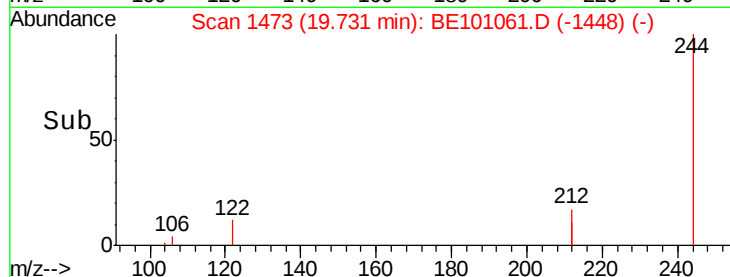
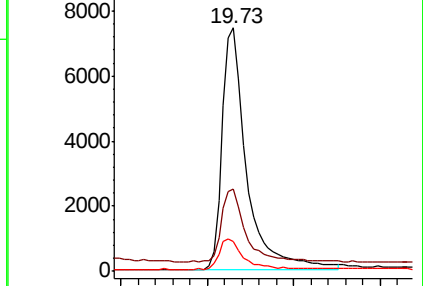
122 12.4 9.8 14.8



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: 0.340 ng

RT: 21.26 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

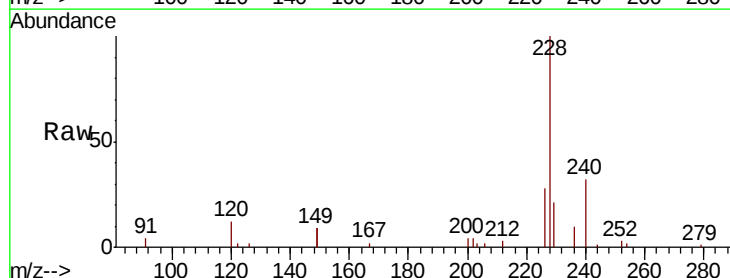
Tgt Ion:228 Resp: 14905

Ion Ratio Lower Upper

228 100

226 27.5 22.7 34.1

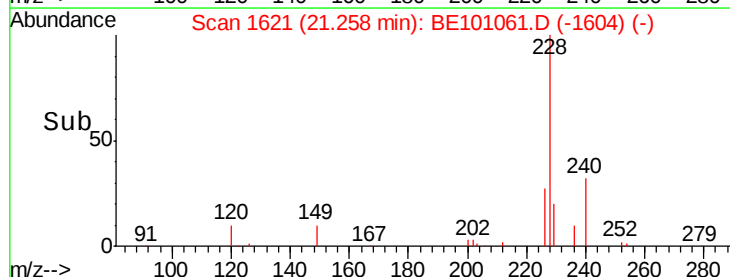
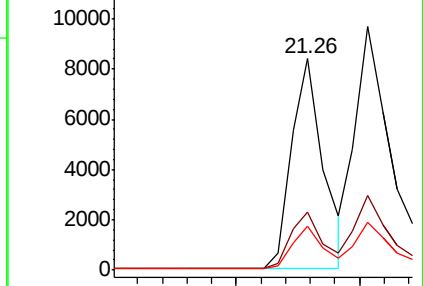
229 20.6 15.5 23.3



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: 0.342 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

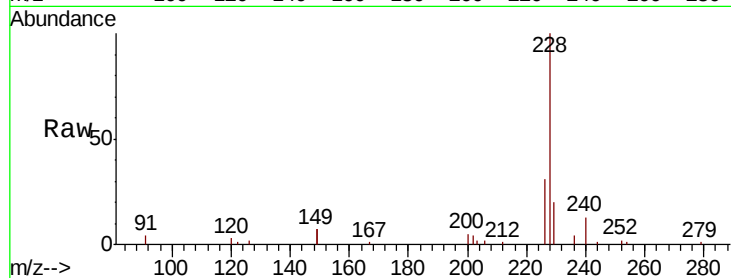
Tot Ion:228 Resp: 22301

Ion Ratio Lower Upper

228 100

226 30.7 23.5 35.3

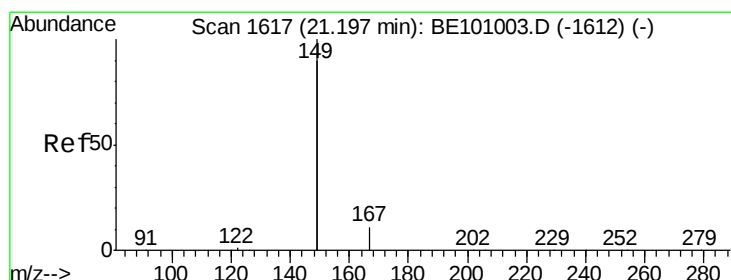
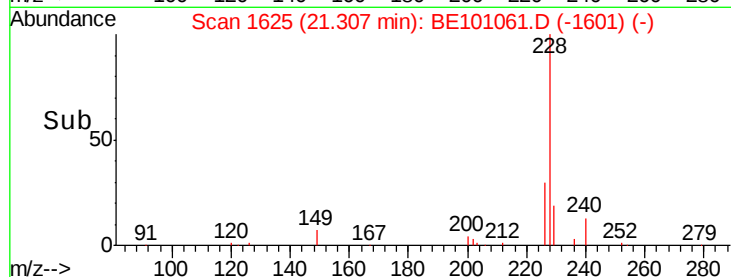
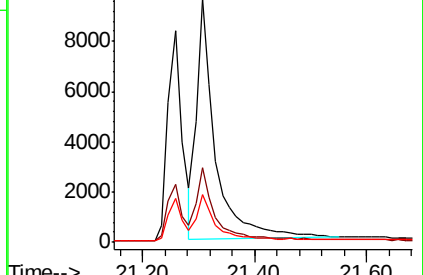
229 19.7 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.504 ng

RT: 21.20 min Scan# 1616

Delta R.T. 0.00 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

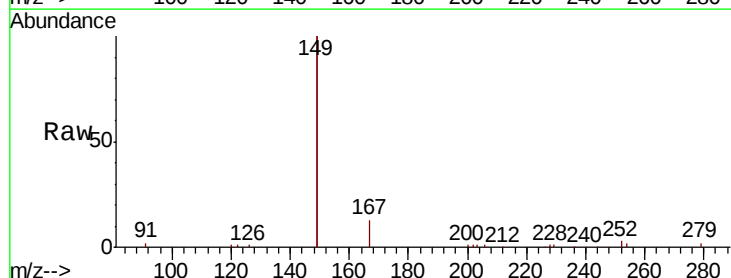
Tgt Ion:149 Resp: 36856

Ion Ratio Lower Upper

149 100

167 6.4 5.2 7.8

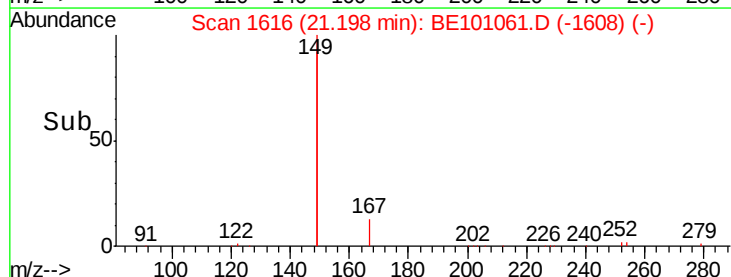
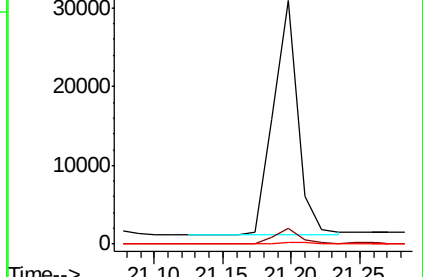
279 0.9 0.8 1.2



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: 0.457 ng

RT: 26.23 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

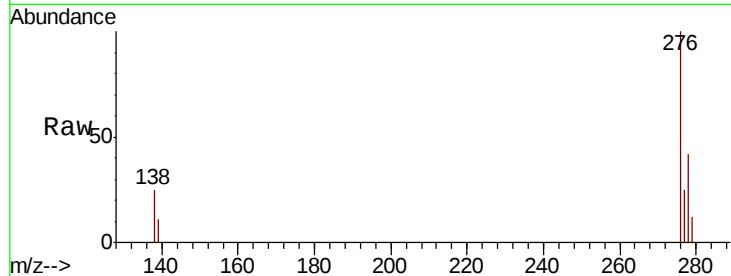
Tot Ion:276 Resp: 23551

Ion Ratio Lower Upper

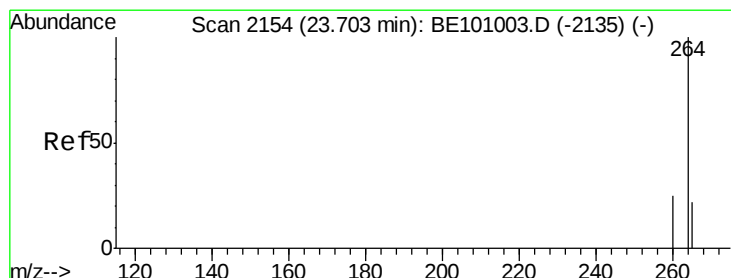
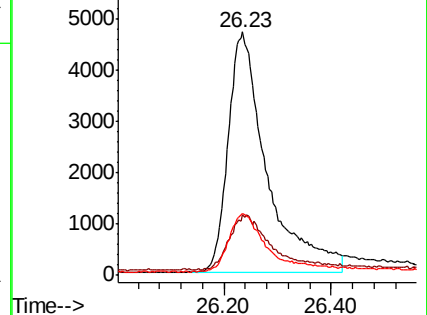
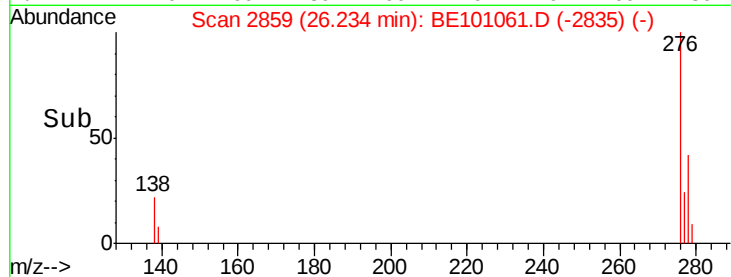
276 100

138 23.5 16.1 24.1

277 22.6 18.1 27.1



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: 23.69 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

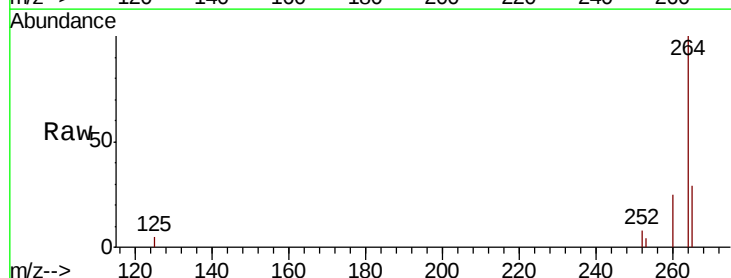
Tgt Ion:264 Resp: 20271

Ion Ratio Lower Upper

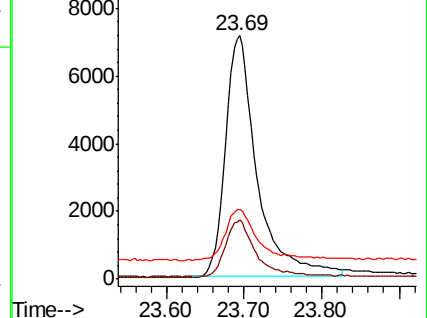
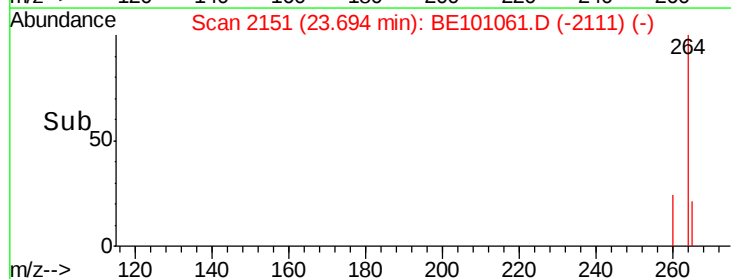
264 100

260 24.5 20.3 30.5

265 28.8 27.0 40.4



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: 0.290 ng

RT: 22.95 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

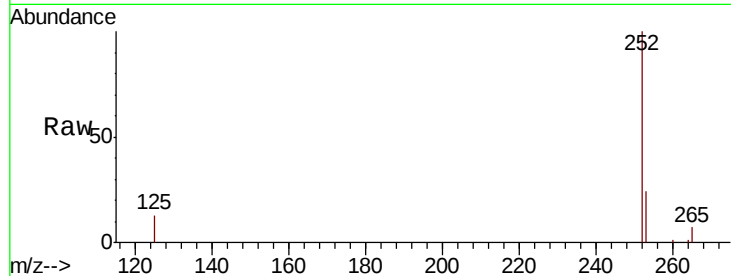
Tot Ion:252 Resp: 16491

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

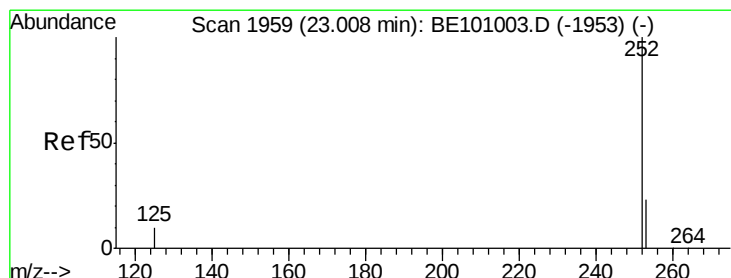
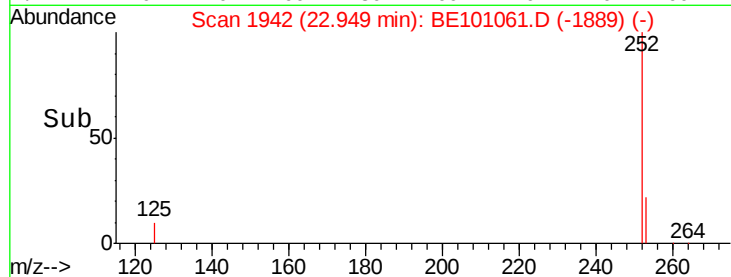
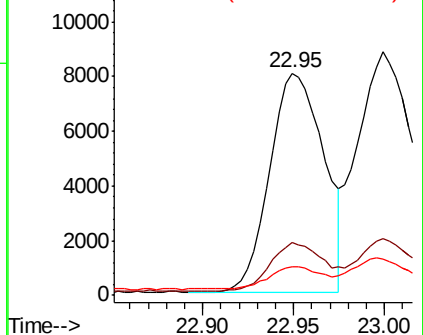
125 12.9 9.5 14.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.273 ng

RT: 23.00 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

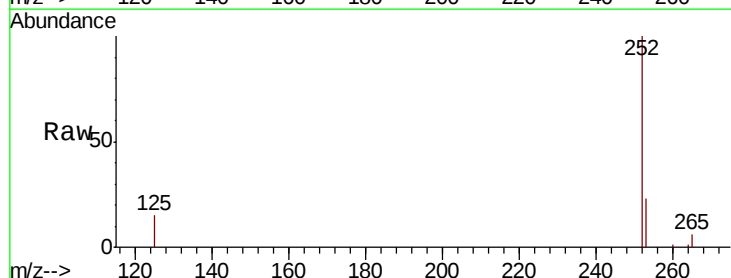
Tgt Ion:252 Resp: 22466

Ion Ratio Lower Upper

252 100

253 23.1 18.9 28.3

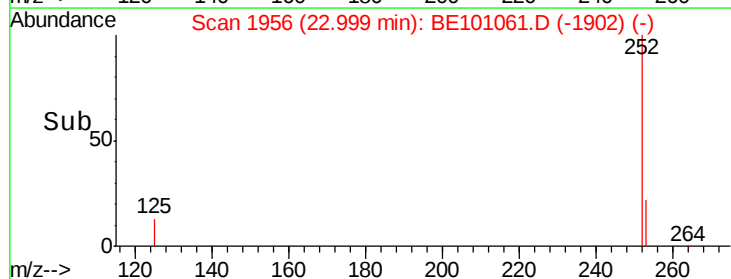
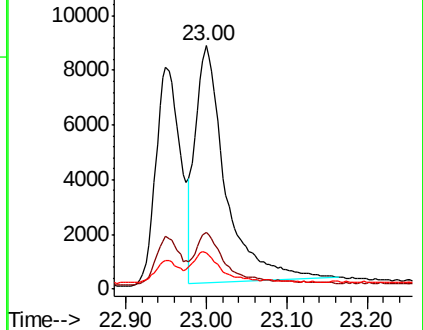
125 14.9 10.1 15.1



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: 0.363 ng

RT: 23.58 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

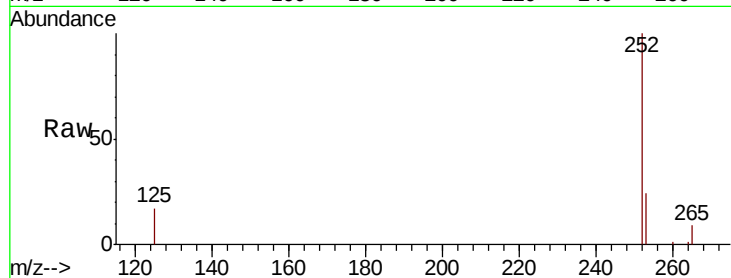
Tot Ion:252 Resp: 19971

Ion Ratio Lower Upper

252 100

253 23.8 19.4 29.2

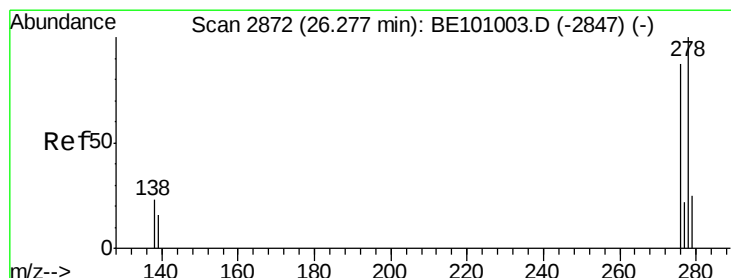
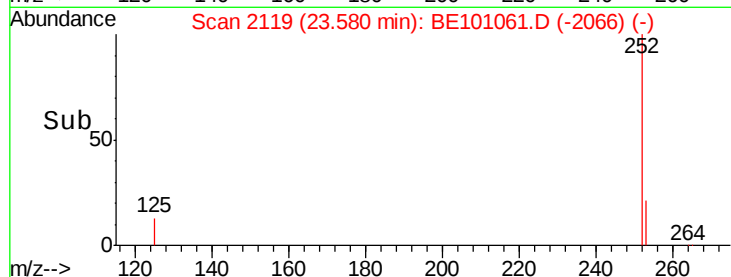
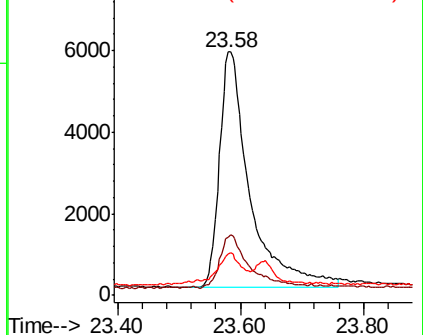
125 16.8 11.8 17.6



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: 0.359 ng

RT: 26.26 min Scan# 2866

Delta R.T. -0.02 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

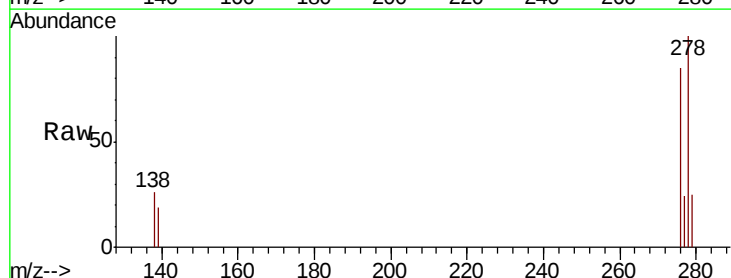
Tgt Ion:278 Resp: 18163

Ion Ratio Lower Upper

278 100

139 19.0 15.0 22.4

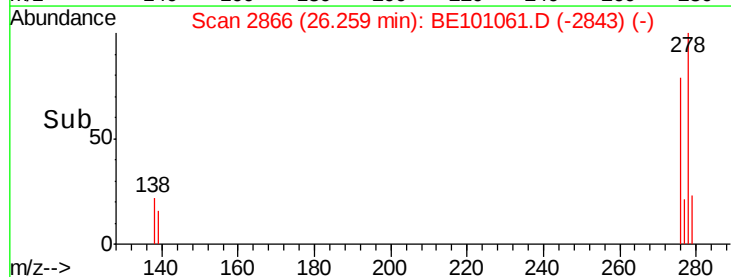
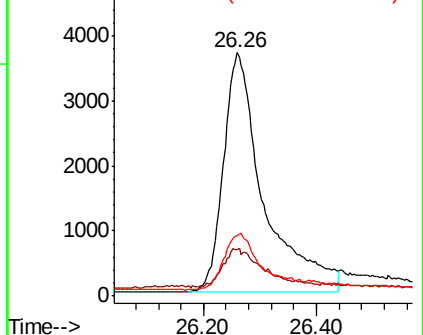
279 25.0 22.6 33.8

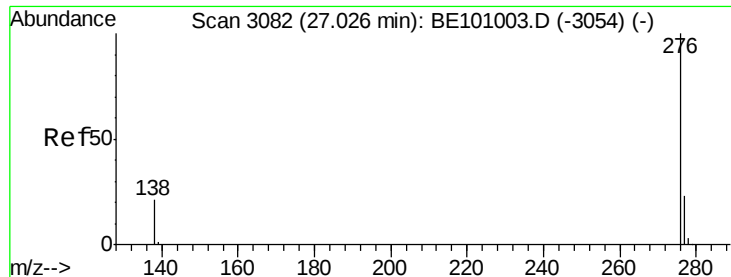


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.337 ng

RT: 27.01 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BE101061.D

Acq: 15 Jan 2020 17:13

Instrument :

BNA_E

ClientSampleId :

PB126102BS

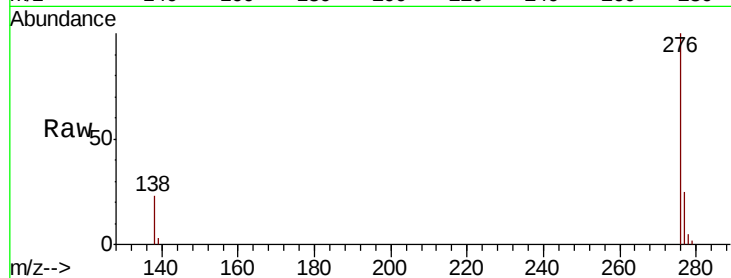
Tot Ion: 276 Resp: 20943

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.2

138 22.7 17.9 26.9



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

