

Data File : BE101076.D
Acq On : 16 Jan 2020 15:23
Operator : JU
Sample : PB126135BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB126135BS

Quant Time: Jan 17 07:45:13 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	2970	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	12636	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	7697	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	16559	0.40	ng	0.00
27) Chrysene-d12	21.27	240	16243	0.40	ng	-0.01
34) Perylene-d12	23.69	264	21195	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	3072	0.46	ng	-0.01
5) Phenol-d6	6.90	99	3562	0.42	ng	-0.01
8) Nitrobenzene-d5	8.87	82	3671	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	8743	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	799	0.37	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	11170	0.38	ng	-0.02
25) Fluoranthene-d10	19.12	212	91776	0.40	ng	-0.01
29) Terphenyl-d14	19.73	244	15189	0.38	ng	0.00

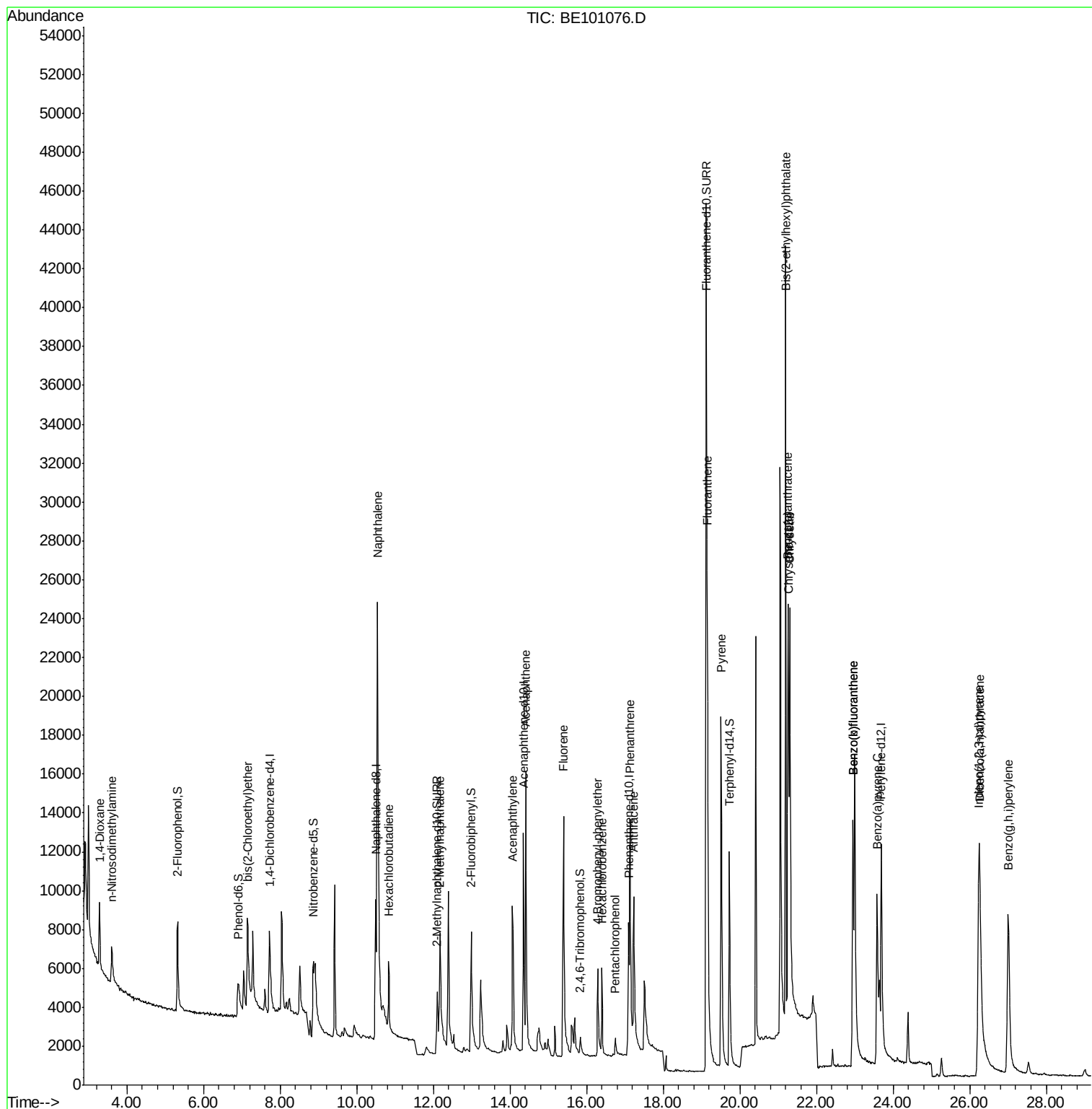
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	3130	0.453	ng	97
3) n-Nitrosodimethylamine	3.60	42	1660	0.402	ng	# 93
6) bis(2-Chloroethyl)ether	7.16	93	3737	0.371	ng	95
9) Naphthalene	10.55	128	57671	0.411	ng	100
10) Hexachlorobutadiene	10.84	225	2629	0.442	ng	96
12) 2-Methylnaphthalene	12.17	142	8044	0.379	ng	99
16) Acenaphthylene	14.07	152	12745	0.407	ng	99
17) Acenaphthene	14.41	154	8771	0.391	ng	97
18) Fluorene	15.39	166	10579	0.373	ng	98
20) 4-Bromophenyl-phenylether	16.29	248	3014	0.373	ng	98
21) Hexachlorobenzene	16.40	284	3565	0.402	ng	99
22) Pentachlorophenol	16.75	266	785	0.503	ng	91
23) Phenanthrene	17.13	178	17403	0.385	ng	99
24) Anthracene	17.23	178	17658	0.414	ng	100
26) Fluoranthene	19.15	202	22414	0.396	ng	99
28) Pyrene	19.51	202	23610	0.390	ng	100
30) Benzo(a)anthracene	21.26	228	19290	0.416	ng	96
31) Chrysene	21.31	228	28636	0.416	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	42082	0.545	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	26951	0.495	ng	# 93
35) Benzo(b)fluoranthene	22.95	252	20104	0.338	ng	100
36) Benzo(k)fluoranthene	22.95	252	20104	0.233	ng	99
37) Benzo(a)pyrene	23.58	252	22224	0.386	ng	98
38) Dibenzo(a,h)anthracene	26.26	278	21232	0.401	ng	95
39) Benzo(g,h,i)perylene	27.01	276	24167	0.372	ng	99

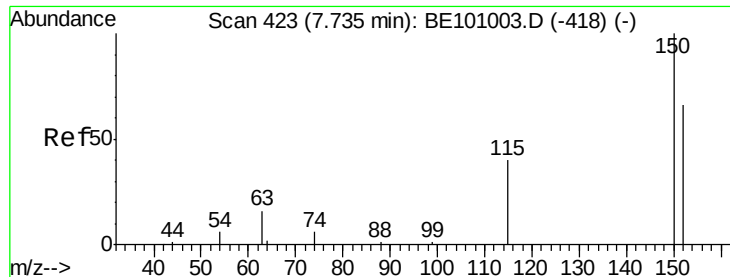
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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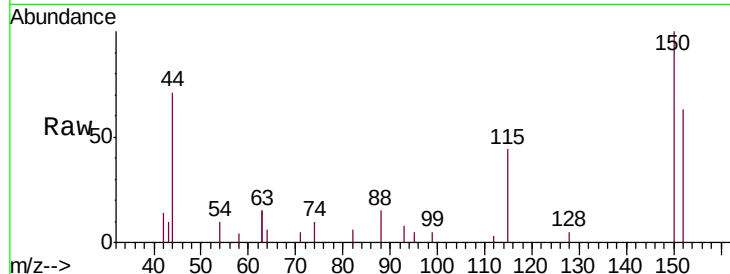


#1

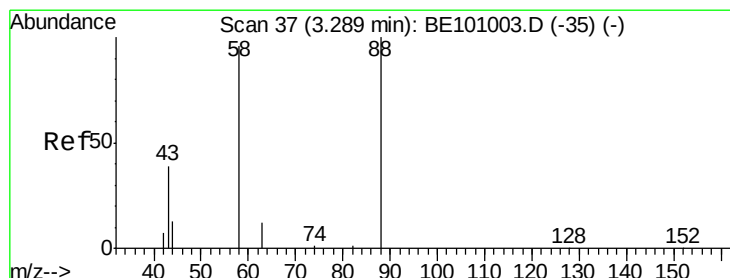
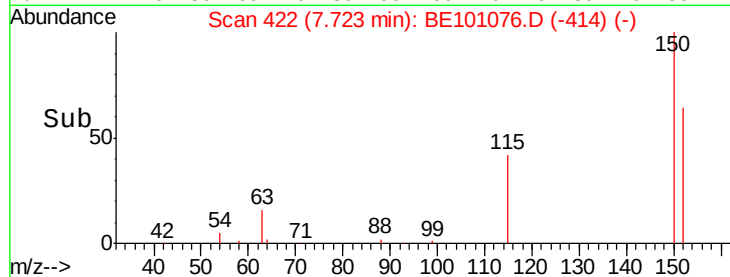
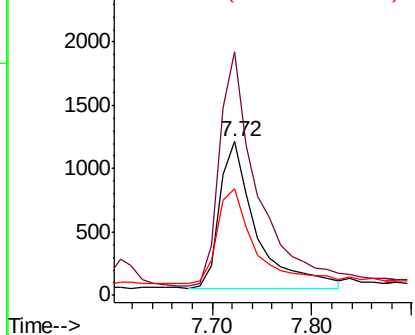
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101076.D
Acq: 16 Jan 2020 15:23

Instrument :
BNA_E
ClientSampleId :
PB126135BS

Tgt Ion:152 Resp: 2970
Ion Ratio Lower Upper
152 100
150 158.5 120.3 180.5
115 69.2 51.7 77.5



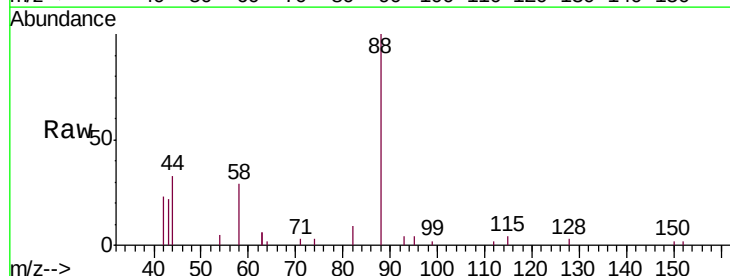
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



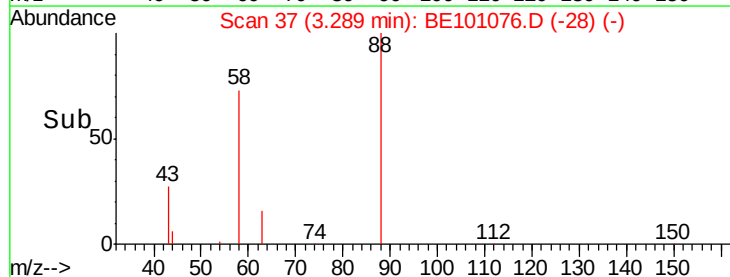
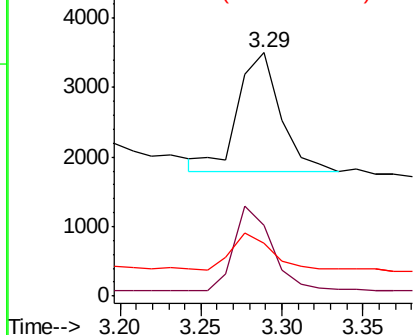
#2

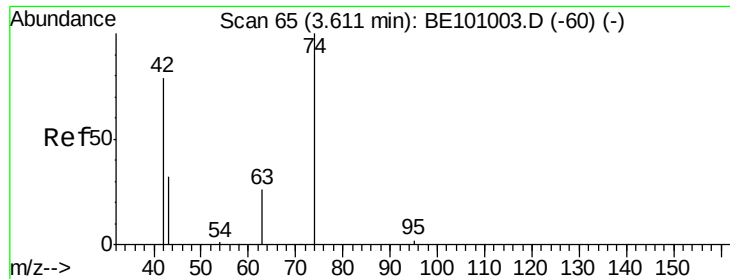
1,4-Dioxane
Concen: 0.453 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101076.D
Acq: 16 Jan 2020 15:23

Tgt Ion: 88 Resp: 3130
Ion Ratio Lower Upper
88 100
58 64.1 53.0 79.4
43 27.0 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: 0.402 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

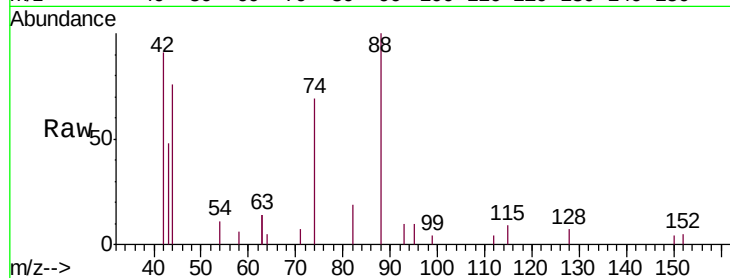
Tgt Ion: 42 Resp: 1660

Ion Ratio Lower Upper

42 100

74 137.5 105.7 158.5

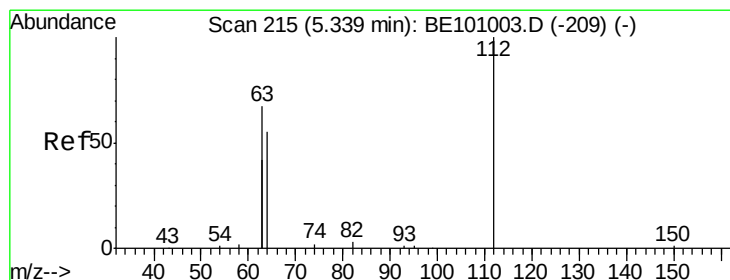
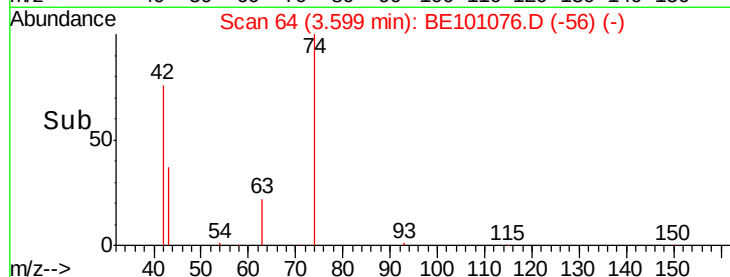
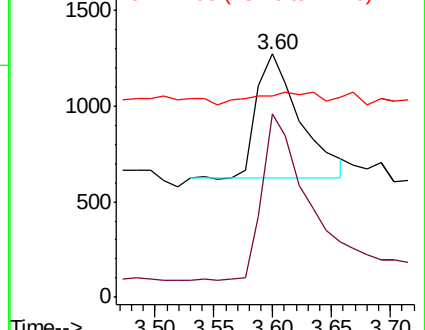
44 0.0 10.0 15.0#



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: 0.460 ng

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

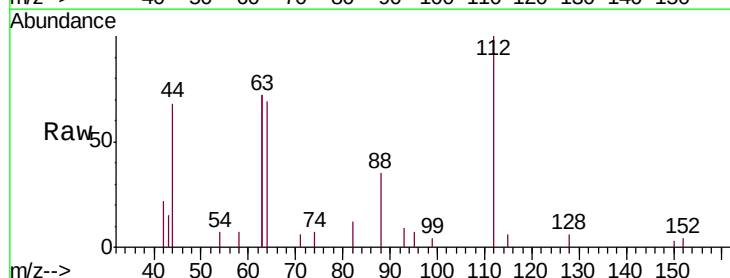
Tgt Ion: 112 Resp: 3072

Ion Ratio Lower Upper

112 100

64 72.8 53.6 80.4

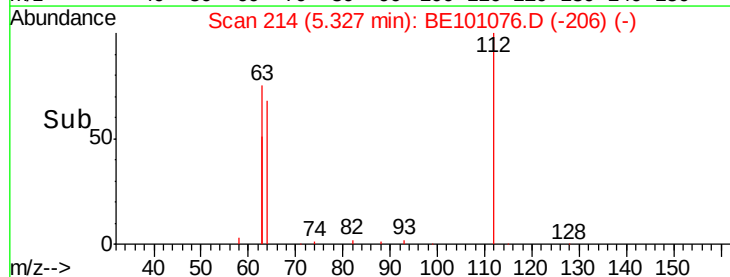
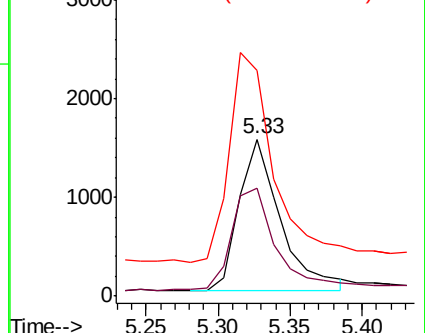
63 149.2 114.6 172.0

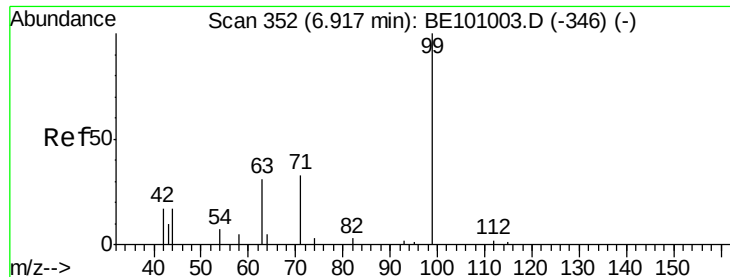


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.421 ng

RT: 6.90 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

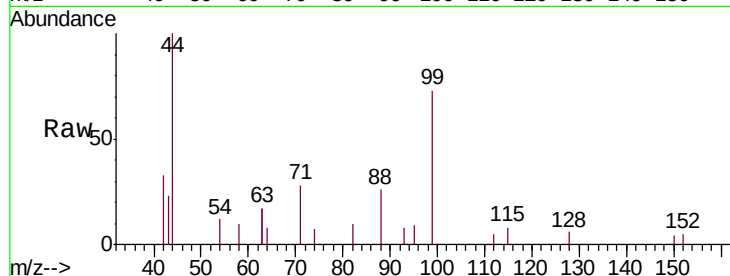
Tgt Ion: 99 Resp: 3562

Ion Ratio Lower Upper

99 100

42 25.3 18.3 27.5

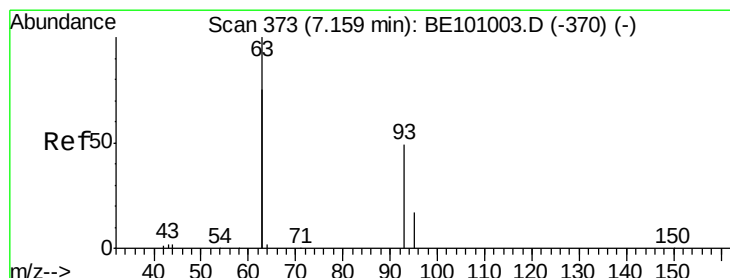
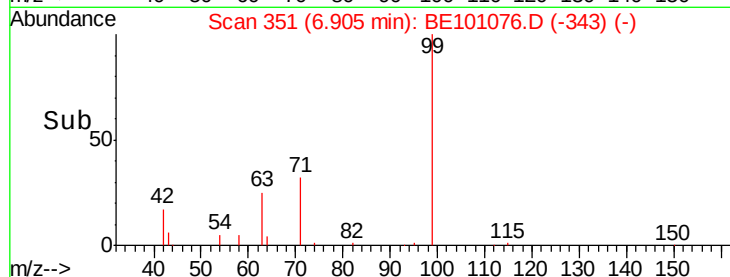
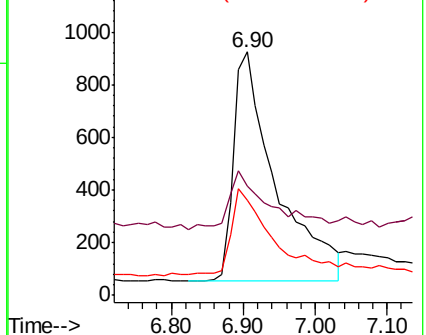
71 35.4 28.0 42.0



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



#6

bis(2-Chloroethyl)ether

Concen: 0.371 ng

RT: 7.16 min Scan# 373

Delta R.T. -0.00 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

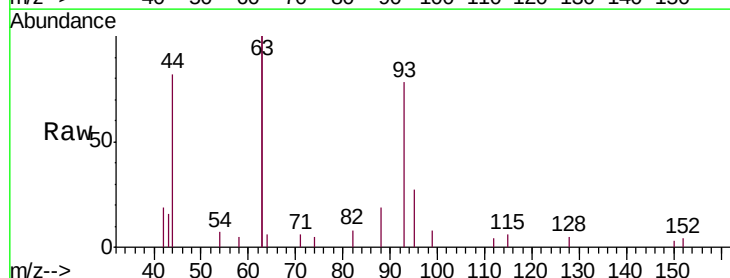
Tgt Ion: 93 Resp: 3737

Ion Ratio Lower Upper

93 100

63 284.1 233.9 350.9

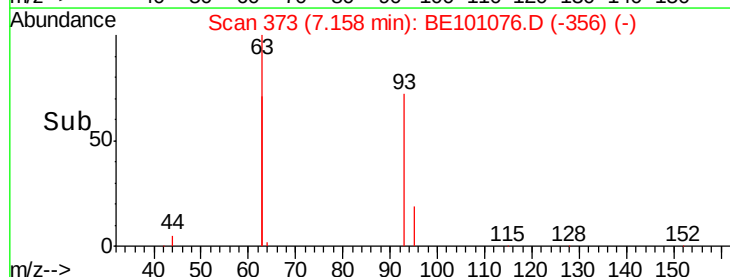
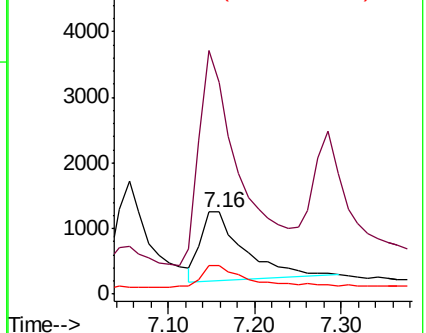
95 33.5 23.5 35.3

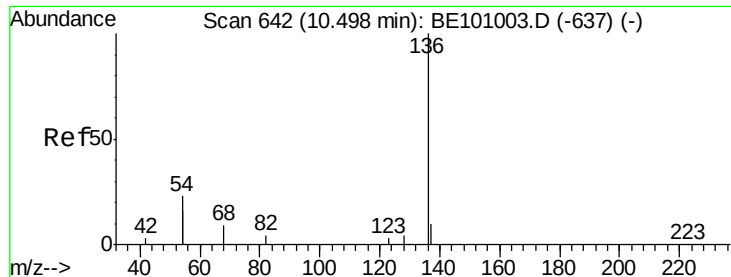


Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

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ClientSampleId :

PB126135BS

Tgt Ion: 136 Resp: 12636

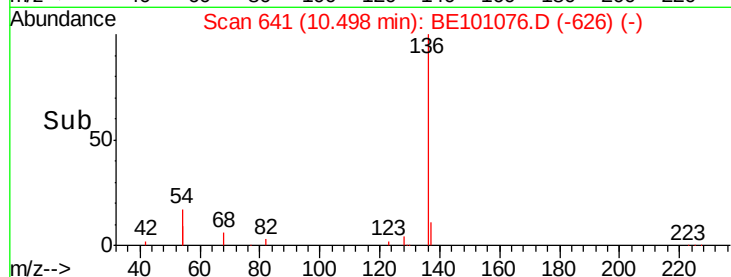
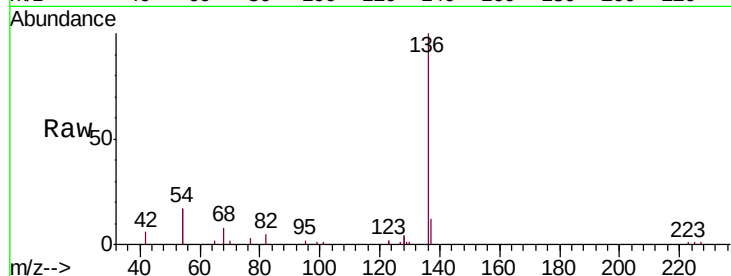
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 33.9 36.8 55.2#

68 7.6 8.4 12.6#

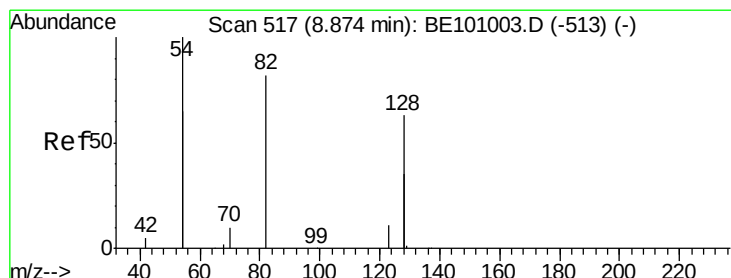
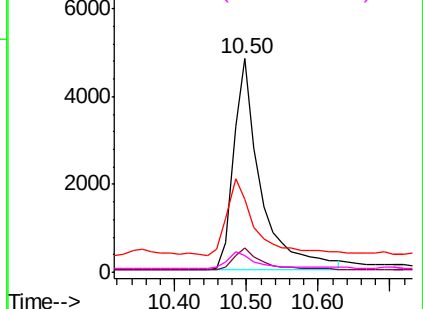


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.406 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

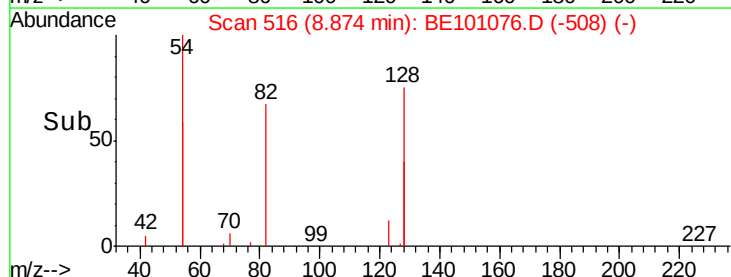
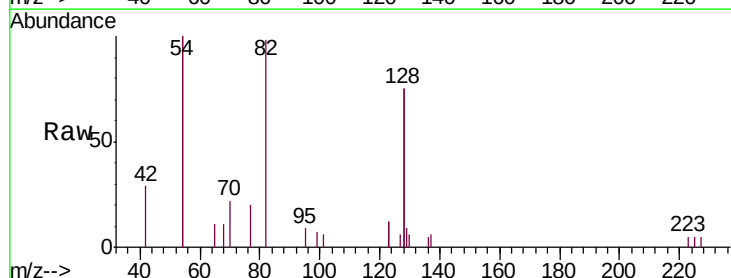
Tgt Ion: 82 Resp: 3671

Ion Ratio Lower Upper

82 100

128 153.2 109.8 164.6

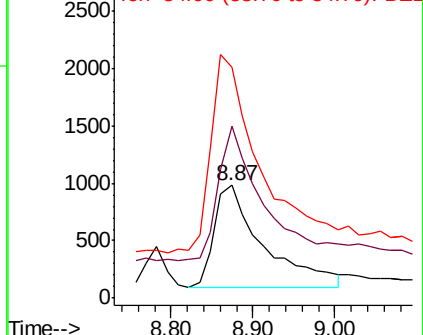
54 205.1 174.5 261.7

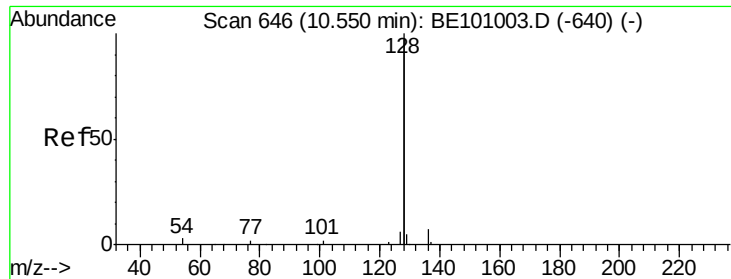


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.411 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101076.D

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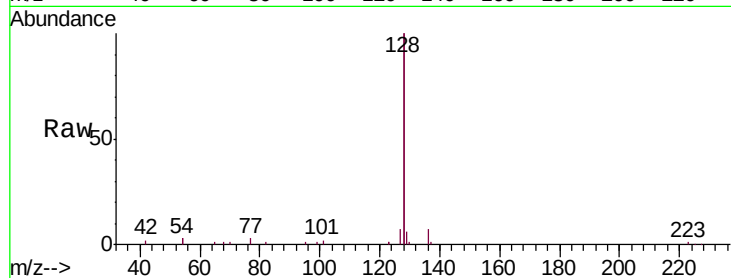
Tgt Ion:128 Resp: 57671

Ion Ratio Lower Upper

128 100

129 3.1 2.3 3.5

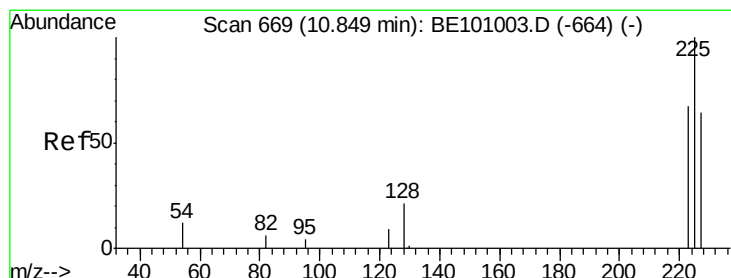
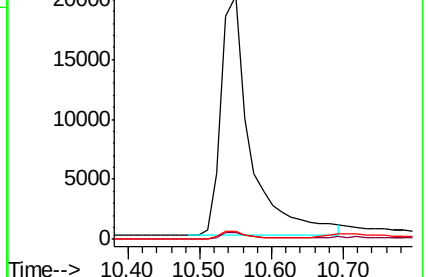
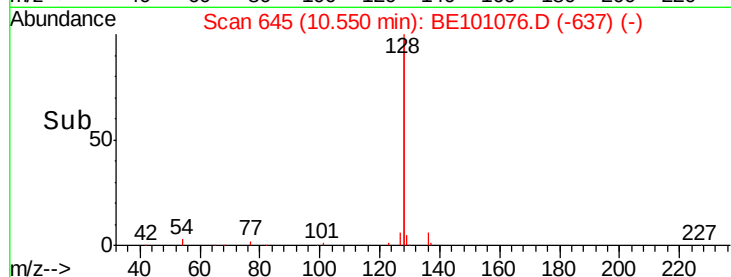
127 3.5 2.7 4.1



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: 0.442 ng

RT: 10.84 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

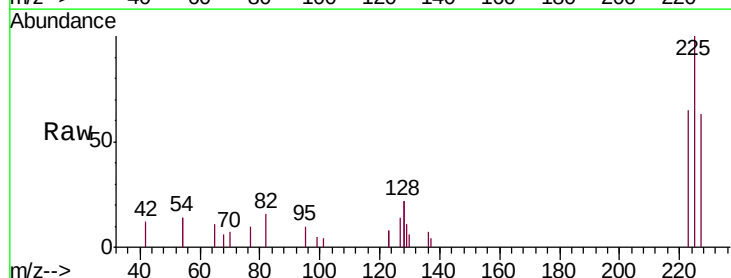
Tgt Ion:225 Resp: 2629

Ion Ratio Lower Upper

225 100

223 60.4 52.2 78.4

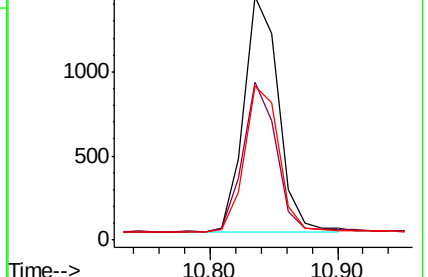
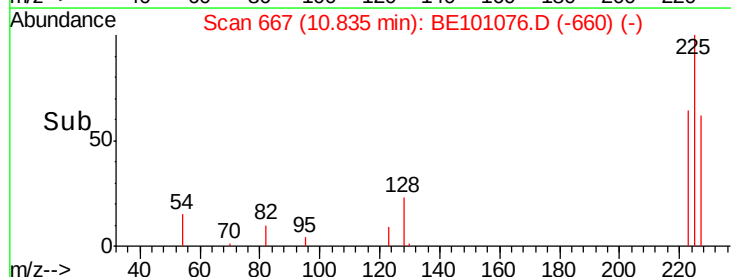
227 61.8 49.9 74.9

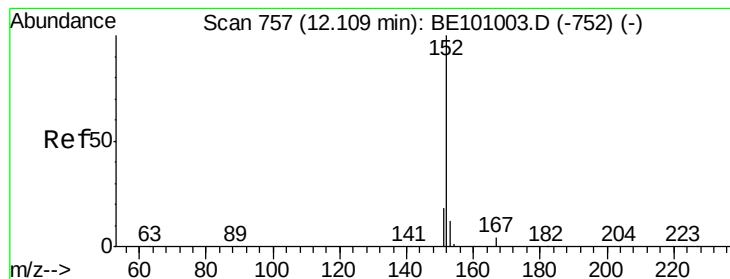


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.363 ng

RT: 12.09 min Scan# 755

Delta R.T. -0.02 min

Lab File: BE101076.D

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Instrument :

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ClientSampleId :

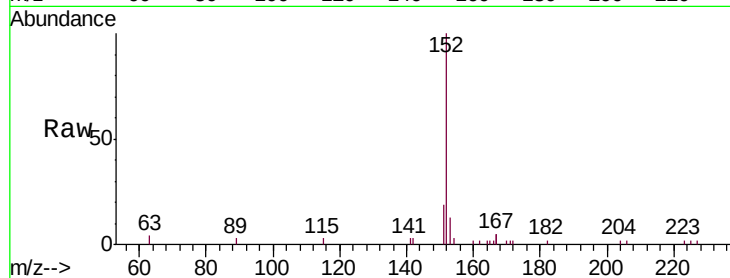
PB126135BS

Tgt Ion:152 Resp: 8743

Ion Ratio Lower Upper

152 100

151 20.9 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.09

2500

2000

1500

1000

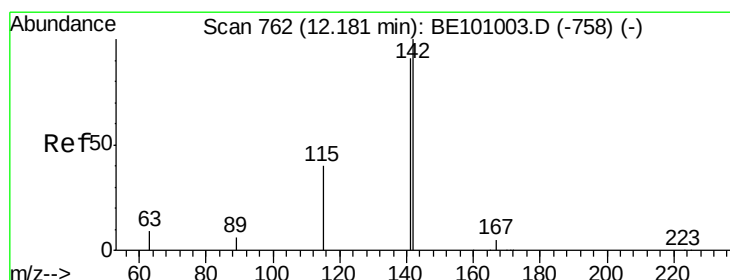
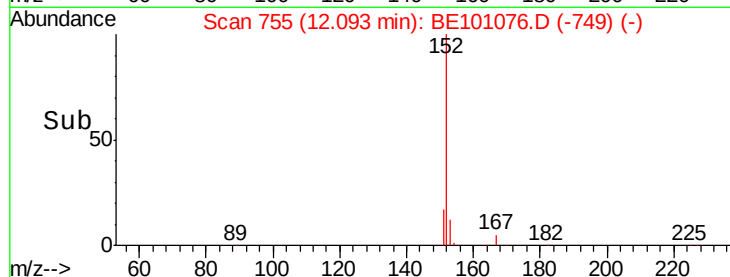
500

0

Time-->

12.00

12.20



#12

2-Methylnaphthalene

Concen: 0.379 ng

RT: 12.17 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

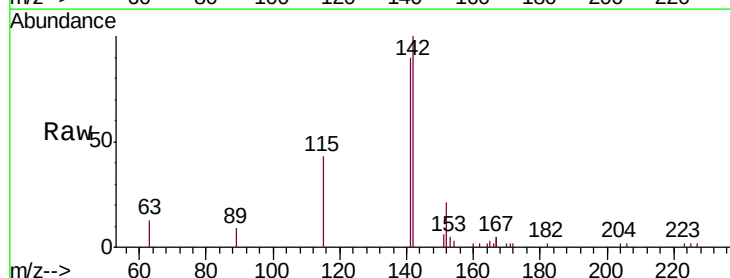
Tgt Ion:142 Resp: 8044

Ion Ratio Lower Upper

142 100

141 89.8 72.5 108.7

115 43.0 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

4000

3000

2000

1000

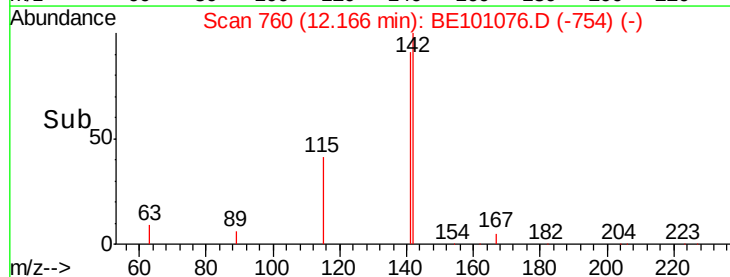
0

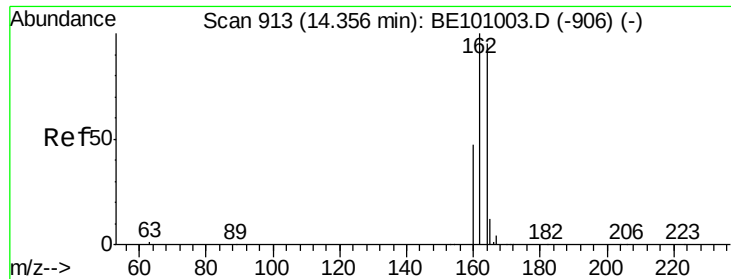
Time-->

12.10

12.20

12.30

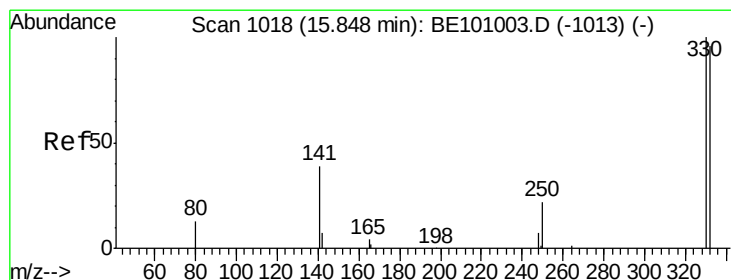
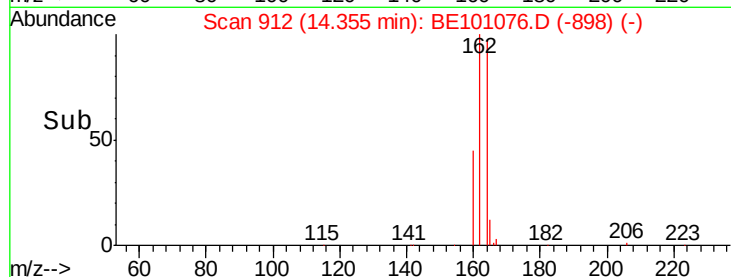
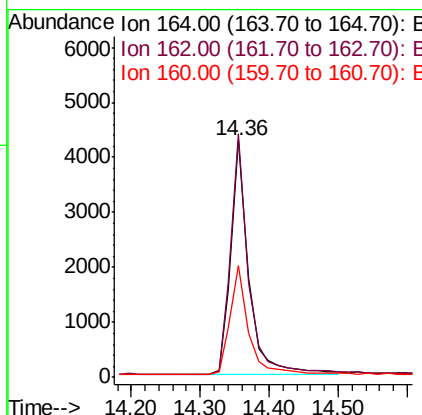
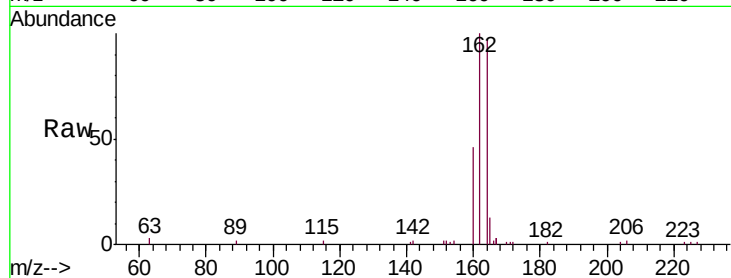




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101076.D
Acq: 16 Jan 2020 15:23

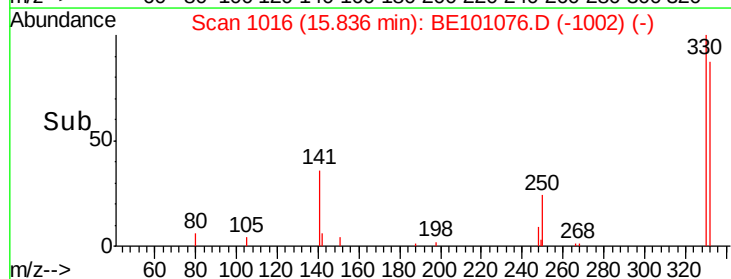
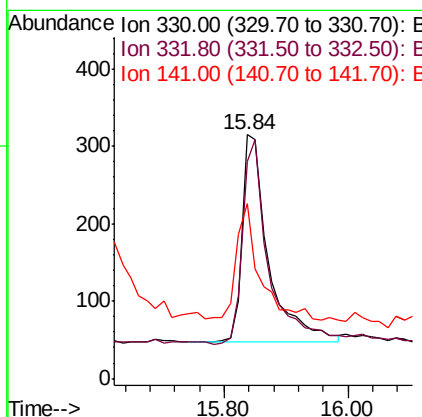
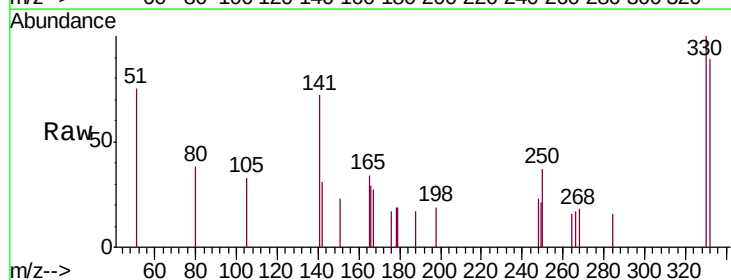
Instrument :
BNA_E
ClientSampleId :
PB126135BS

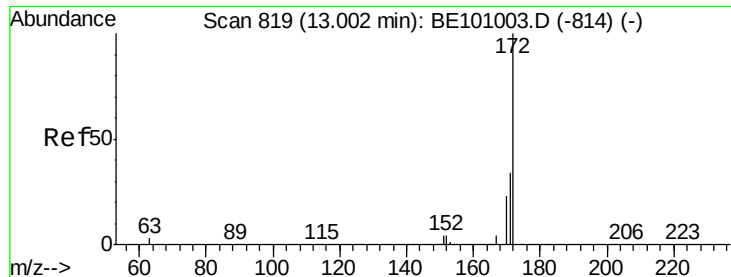
Tgt Ion:164 Resp: 7697
Ion Ratio Lower Upper
164 100
162 102.8 84.1 126.1
160 47.4 40.4 60.6



#14
2,4,6-Tribromophenol
Concen: 0.368 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101076.D
Acq: 16 Jan 2020 15:23

Tgt Ion:330 Resp: 799
Ion Ratio Lower Upper
330 100
332 99.5 78.4 117.6
141 49.3 37.0 55.4

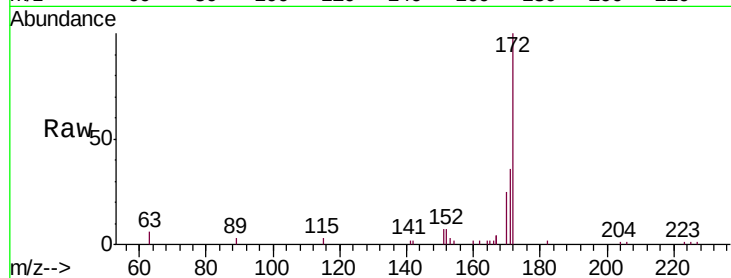




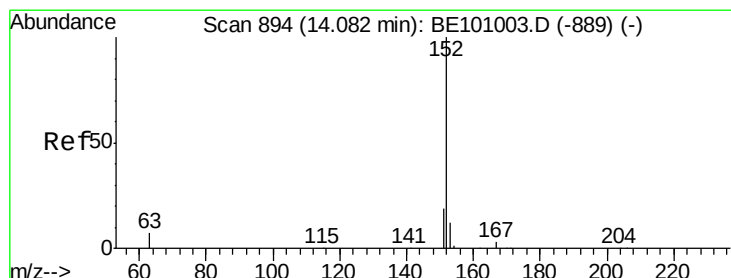
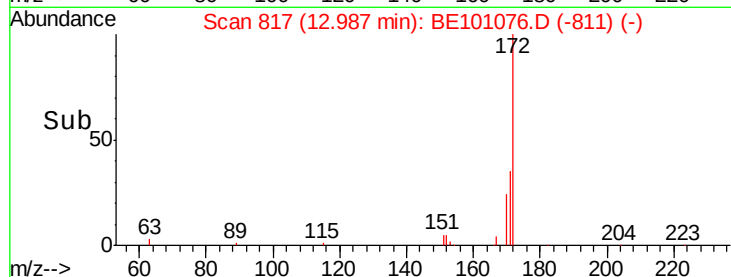
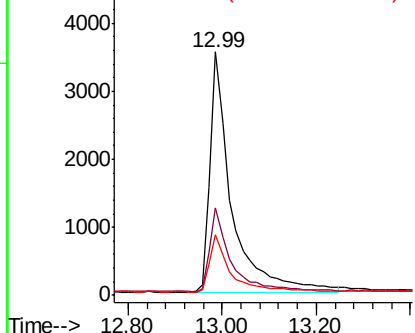
#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.02 min
Lab File: BE101076.D
Acq: 16 Jan 2020 15:23

Instrument :
BNA_E
ClientSampleId :
PB126135BS

Tgt Ion:172 Resp: 11170
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 25.1 18.9 28.3

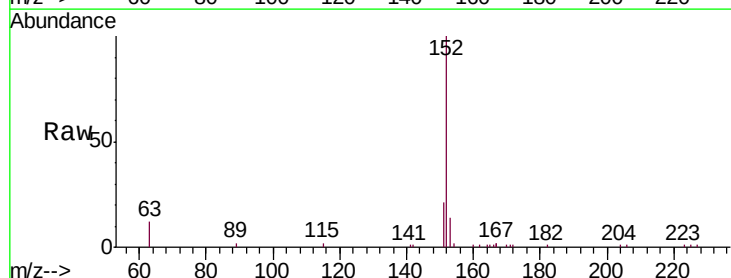


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

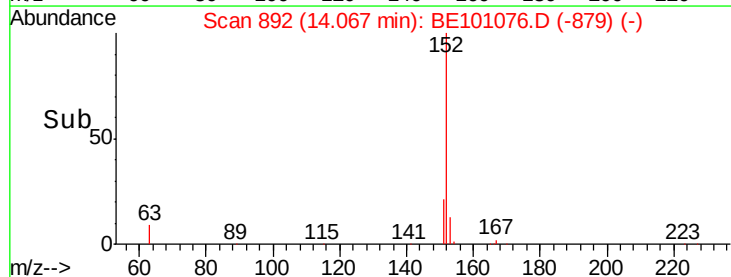
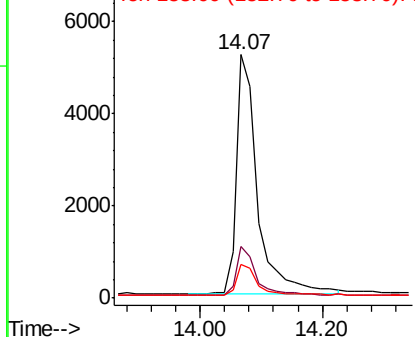


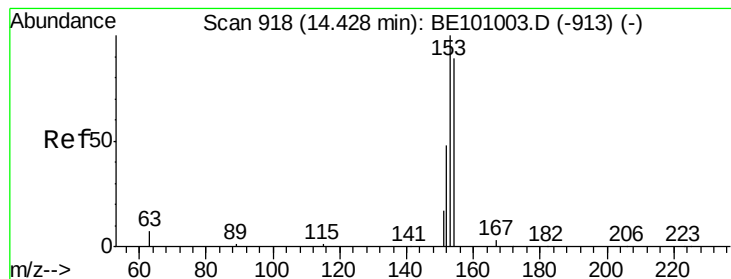
#16
Acenaphthylene
Concen: 0.407 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.02 min
Lab File: BE101076.D
Acq: 16 Jan 2020 15:23

Tgt Ion:152 Resp: 12745
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 12.9 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: 0.391 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.02 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

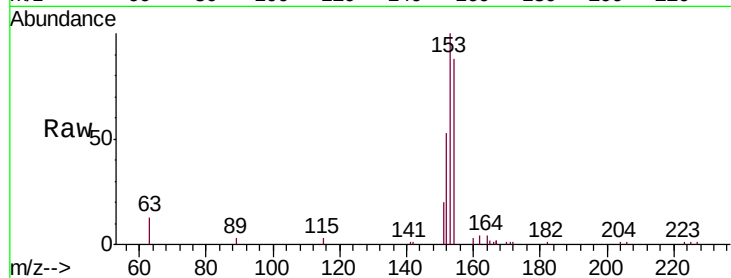
Tgt Ion:154 Resp: 8771

Ion Ratio Lower Upper

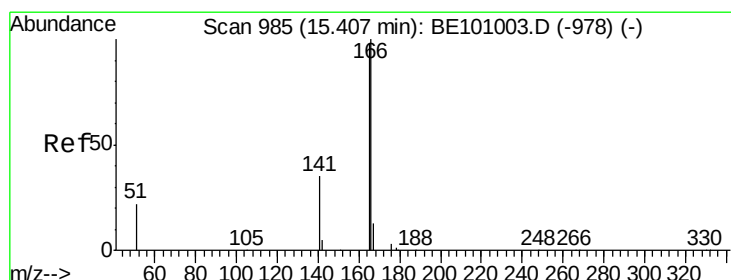
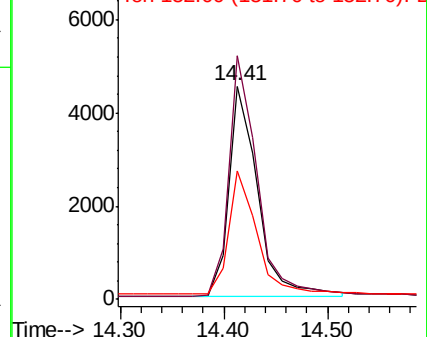
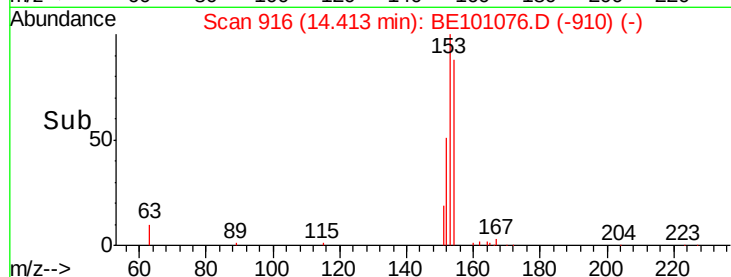
154 100

153 112.6 93.6 140.4

152 57.2 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: 0.373 ng

RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

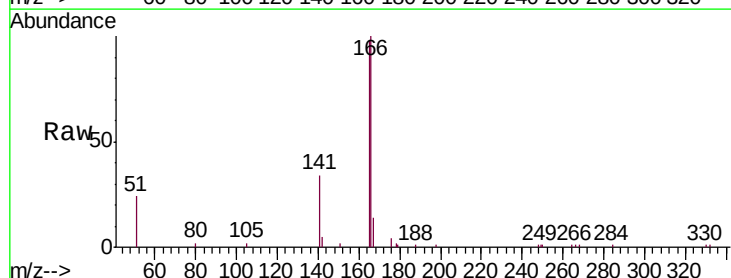
Tgt Ion:166 Resp: 10579

Ion Ratio Lower Upper

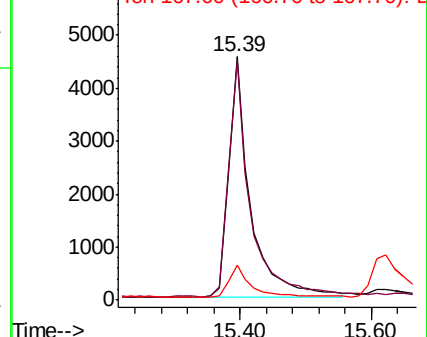
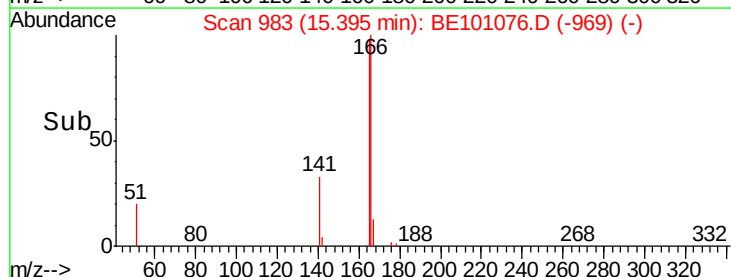
166 100

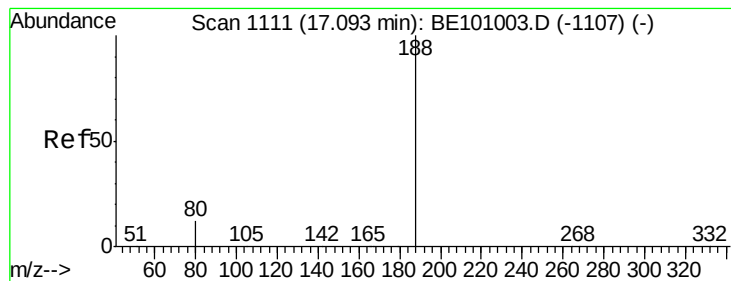
165 98.4 79.8 119.8

167 12.8 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: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

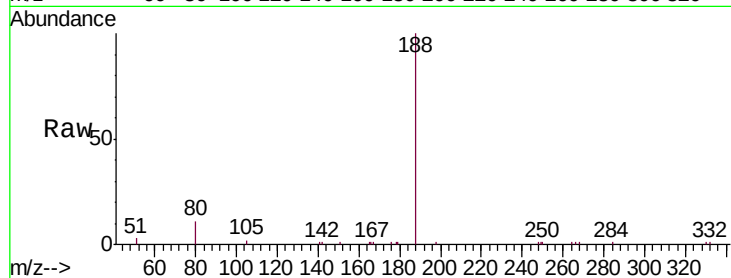
Tgt Ion:188 Resp: 16559

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

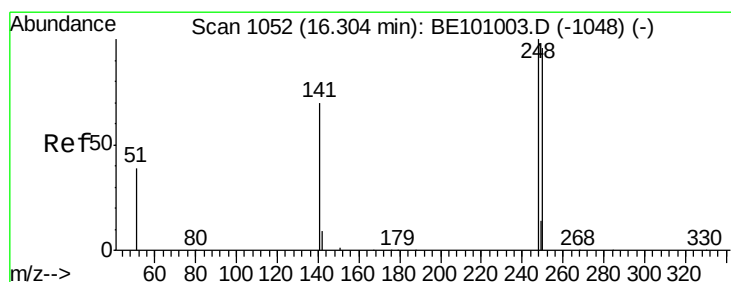
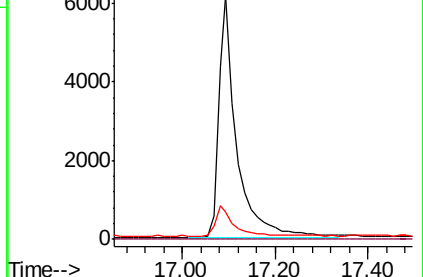
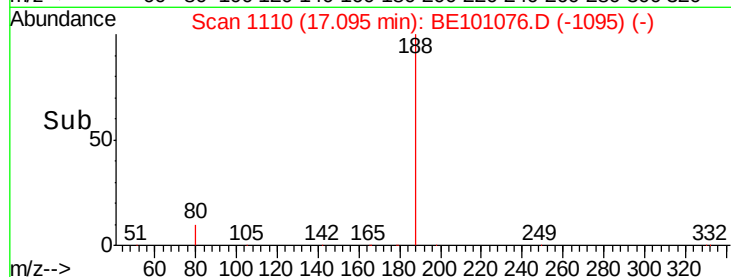
80 11.5 10.8 16.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.373 ng

RT: 16.29 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

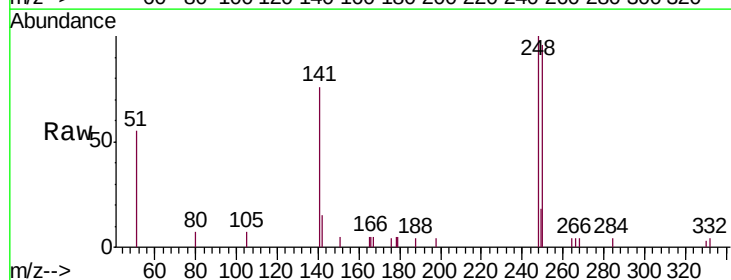
Tgt Ion:248 Resp: 3014

Ion Ratio Lower Upper

248 100

250 96.3 76.6 115.0

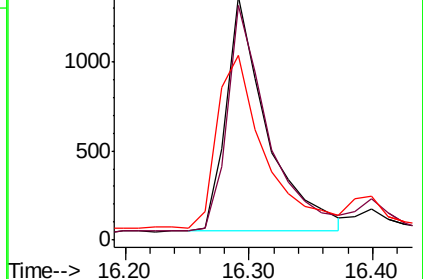
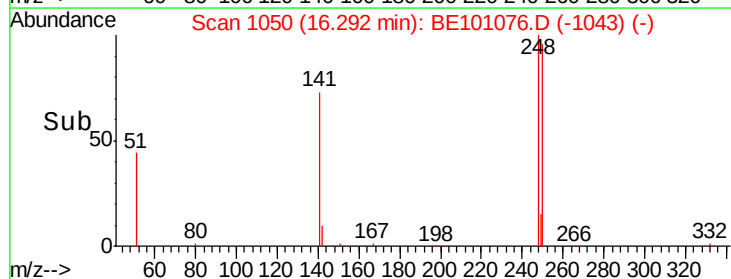
141 75.7 57.7 86.5

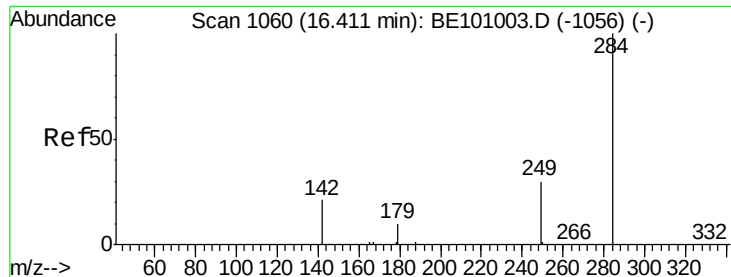


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.402 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

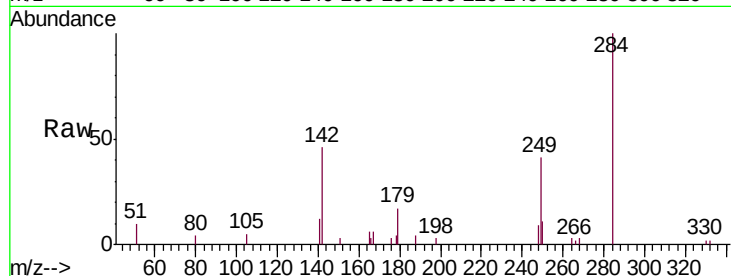
Tgt Ion:284 Resp: 3565

Ion Ratio Lower Upper

284 100

142 42.0 34.0 51.0

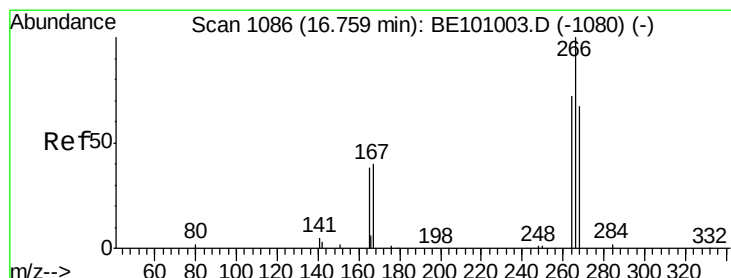
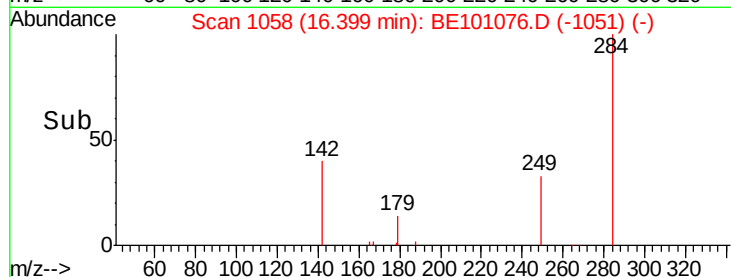
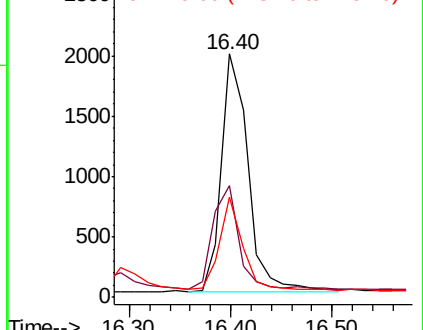
249 35.4 28.2 42.4



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: 0.503 ng

RT: 16.75 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

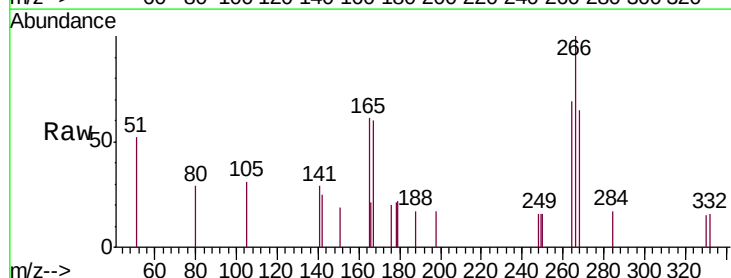
Tgt Ion:266 Resp: 785

Ion Ratio Lower Upper

266 100

264 69.0 61.0 91.4

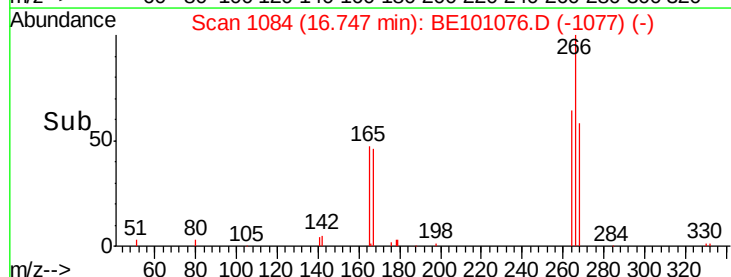
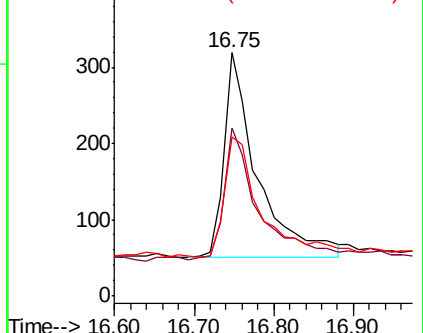
268 65.2 58.5 87.7

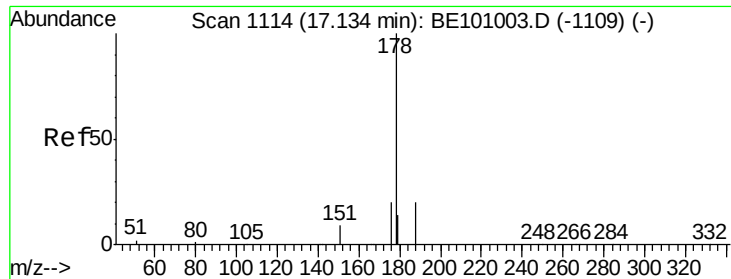


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.385 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

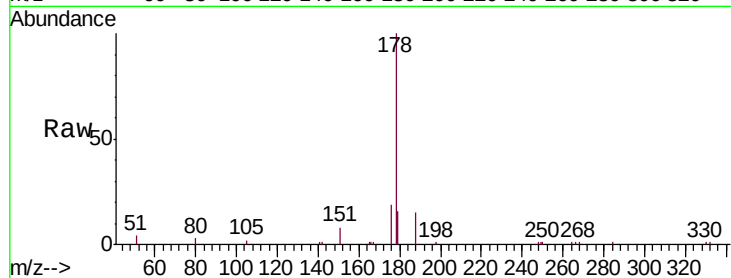
Tgt Ion:178 Resp: 17403

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

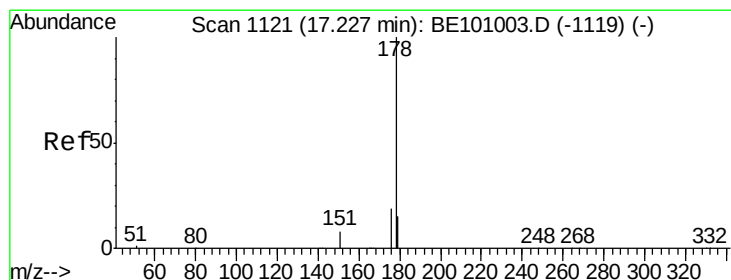
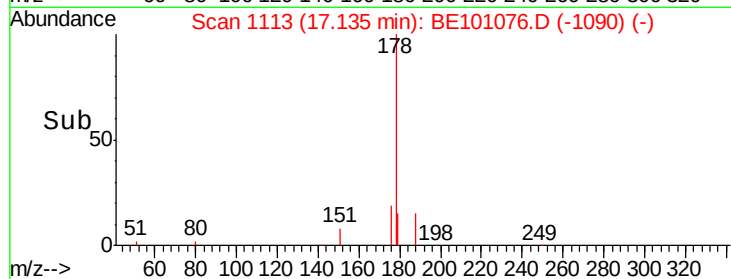
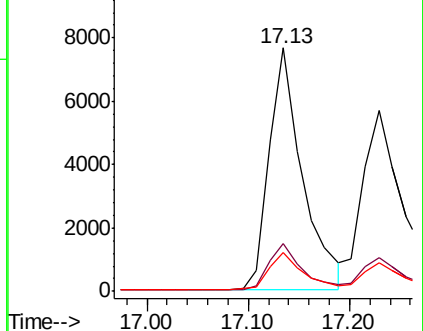
179 15.2 12.0 18.0



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: 0.414 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

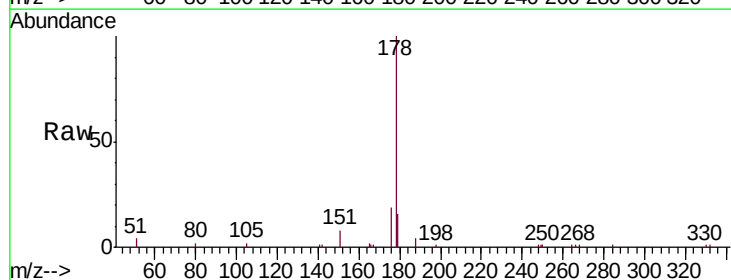
Tgt Ion:178 Resp: 17658

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

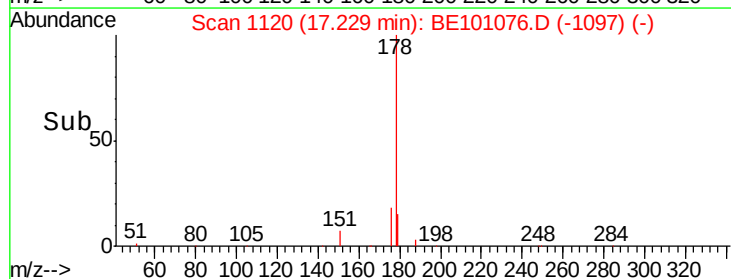
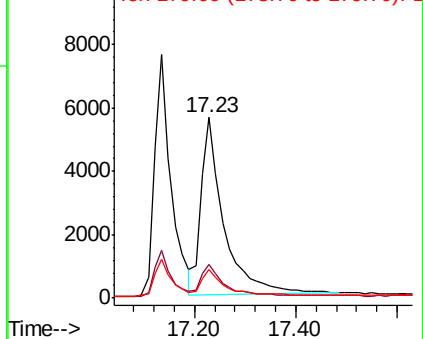
179 15.4 12.4 18.6

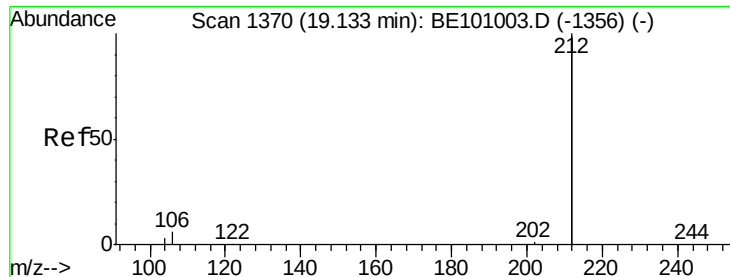


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.399 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

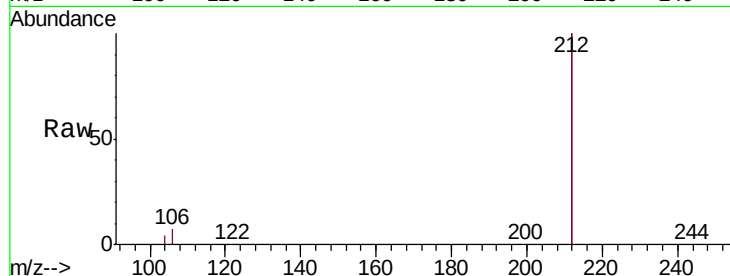
Tgt Ion:212 Resp: 91776

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

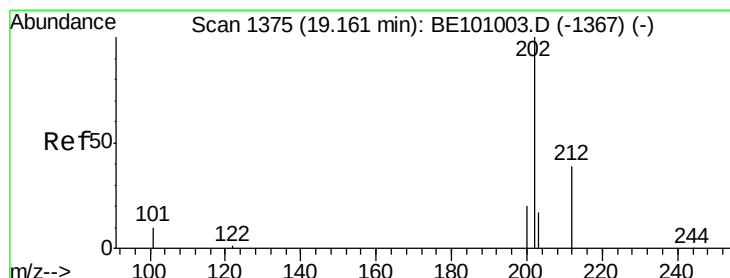
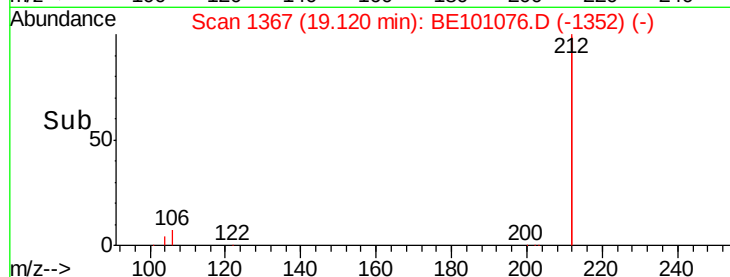
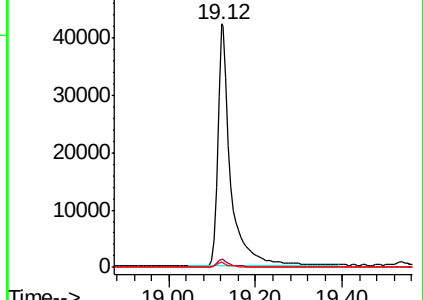
104 1.9 1.4 2.0



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: 0.396 ng

RT: 19.15 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

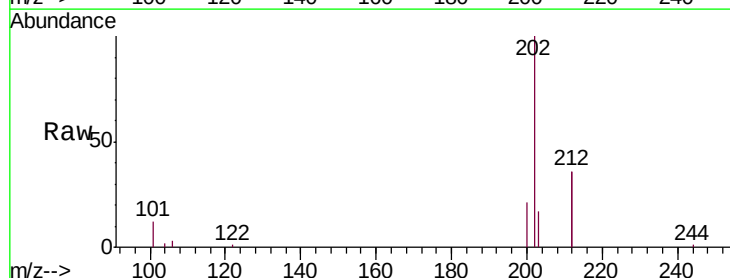
Tgt Ion:202 Resp: 22414

Ion Ratio Lower Upper

202 100

101 11.8 9.6 14.4

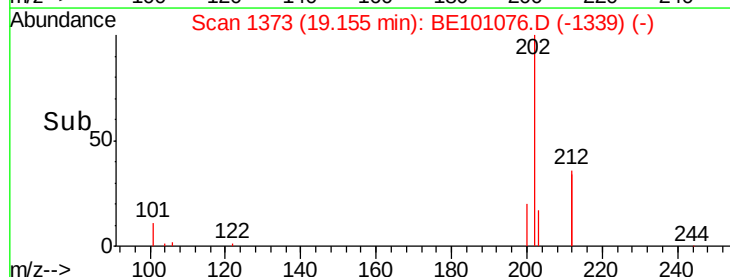
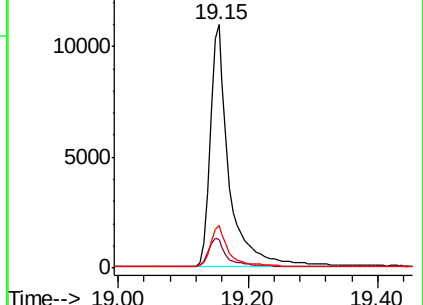
203 16.5 13.8 20.6

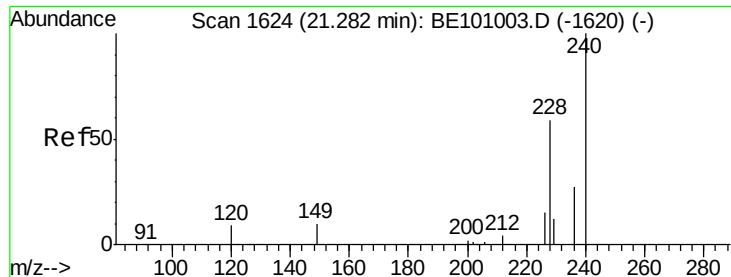


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

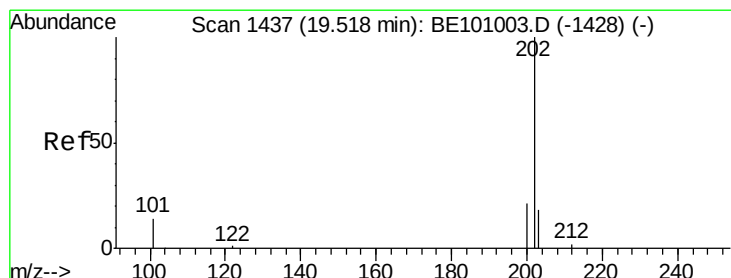
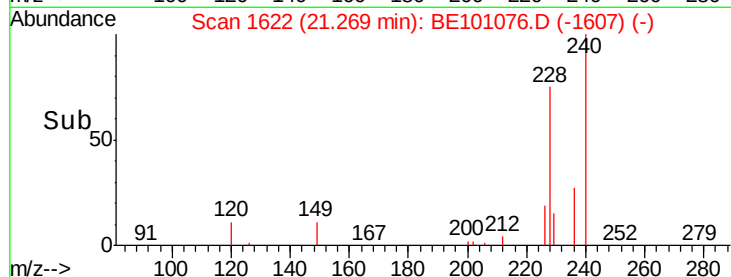
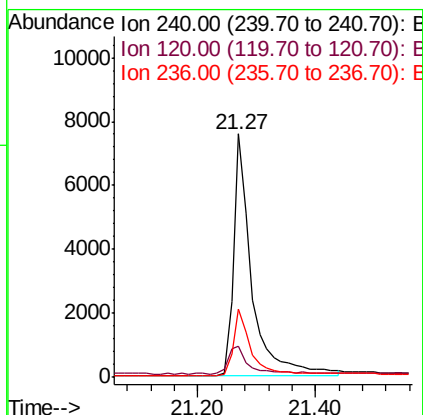
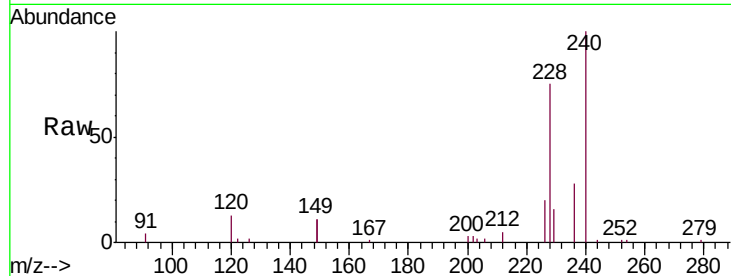




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BE101076.D
 Acq: 16 Jan 2020 15:23

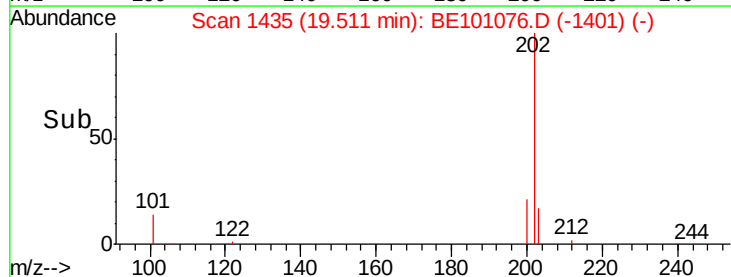
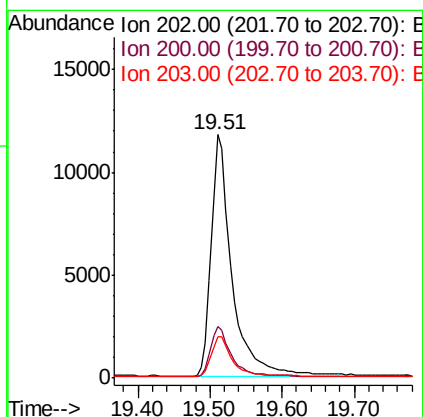
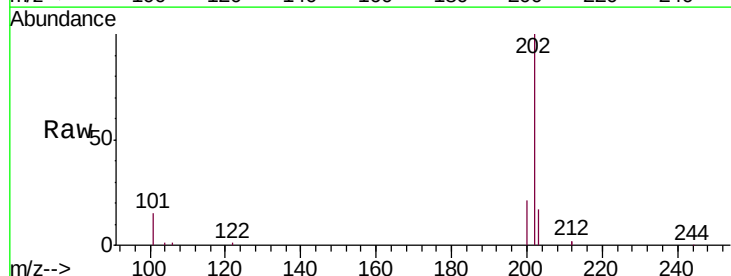
Instrument :
 BNA_E
 ClientSampleId :
 PB126135BS

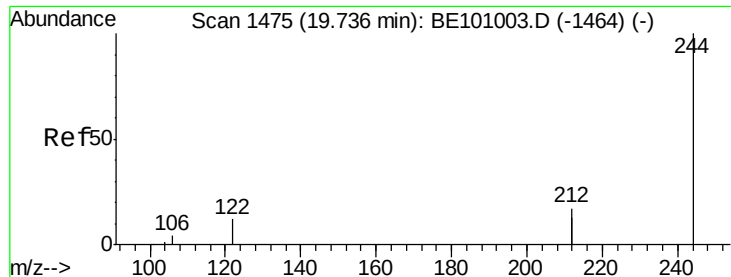
Tgt Ion:240 Resp: 16243
 Ion Ratio Lower Upper
 240 100
 120 12.8 8.6 13.0
 236 28.1 22.2 33.4



#28
 Pyrene
 Concen: 0.390 ng
 RT: 19.51 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BE101076.D
 Acq: 16 Jan 2020 15:23

Tgt Ion:202 Resp: 23610
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 17.5 13.8 20.6

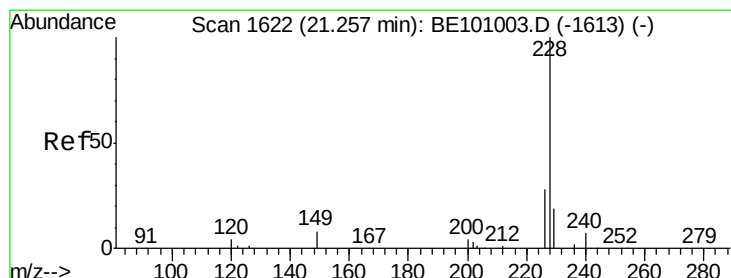
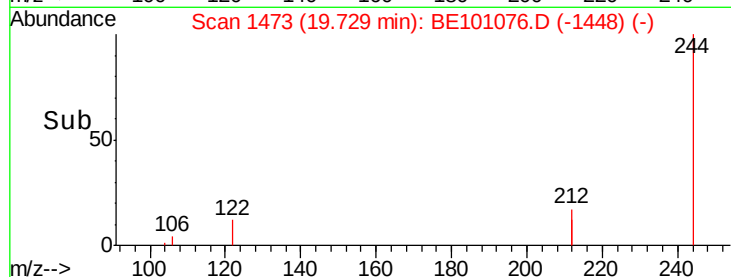
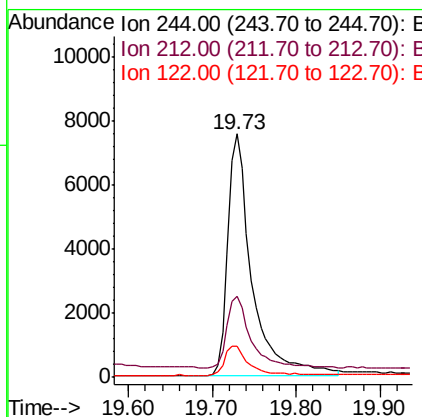
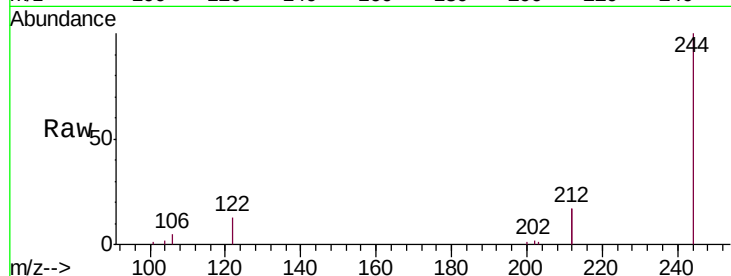




#29
 Terphenyl-d14
 Concen: 0.381 ng
 RT: 19.73 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: BE101076.D
 Acq: 16 Jan 2020 15:23

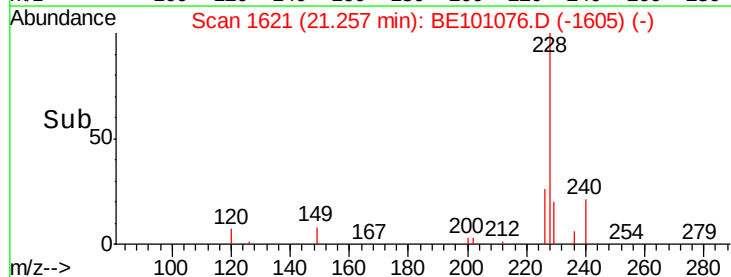
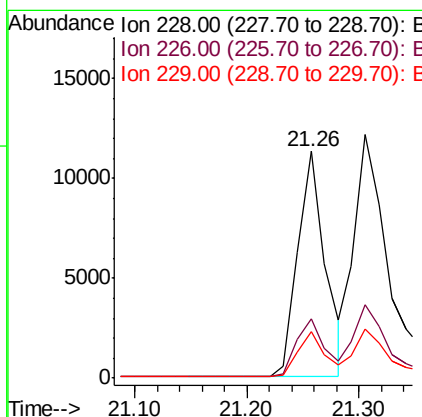
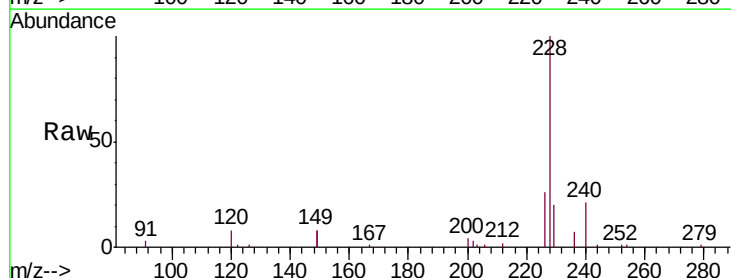
Instrument :
 BNA_E
 ClientSampleId :
 PB126135BS

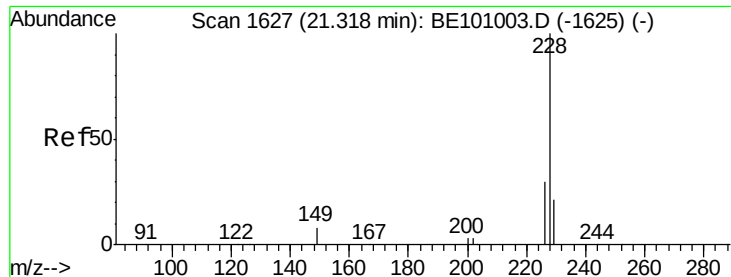
Tgt Ion: 244 Resp: 15189
 Ion Ratio Lower Upper
 244 100
 212 33.5 27.2 40.8
 122 12.8 9.8 14.8



#30
 Benzo(a)anthracene
 Concen: 0.416 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BE101076.D
 Acq: 16 Jan 2020 15:23

Tgt Ion: 228 Resp: 19290
 Ion Ratio Lower Upper
 228 100
 226 26.0 22.7 34.1
 229 20.4 15.5 23.3





#31

Chrysene

Concen: 0.416 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

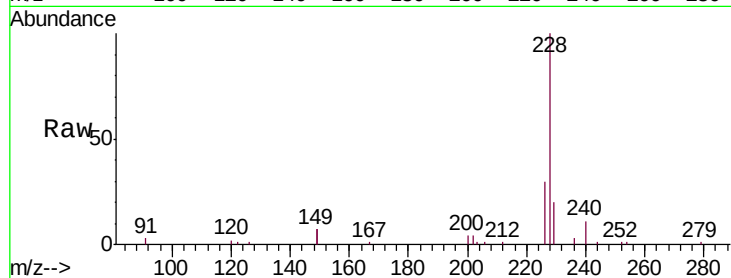
Tgt Ion:228 Resp: 28636

Ion Ratio Lower Upper

228 100

226 30.4 23.5 35.3

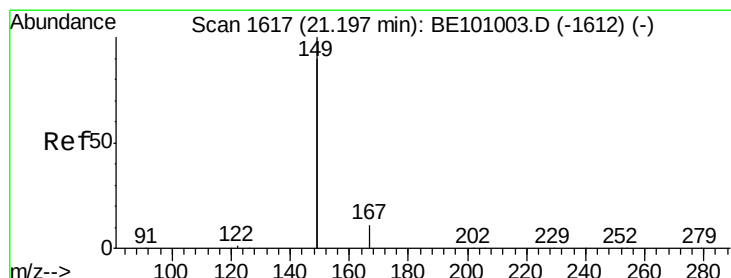
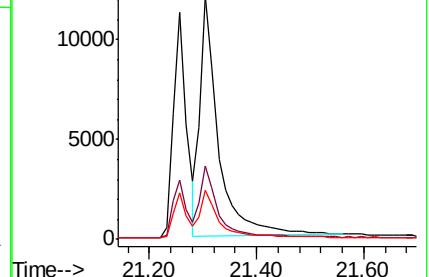
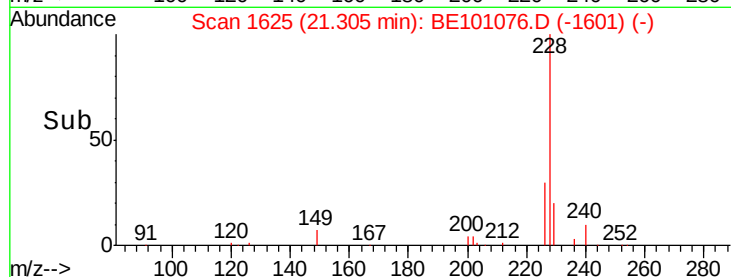
229 20.2 16.7 25.1



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: 0.545 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

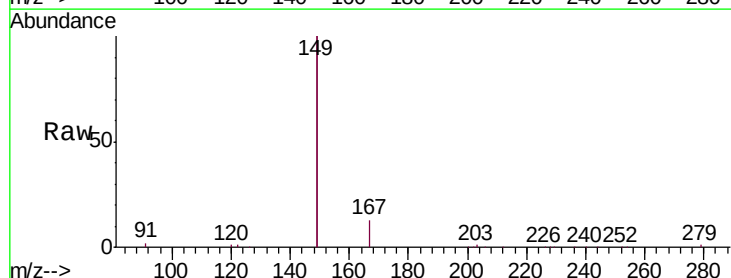
Tgt Ion:149 Resp: 42082

Ion Ratio Lower Upper

149 100

167 6.6 5.2 7.8

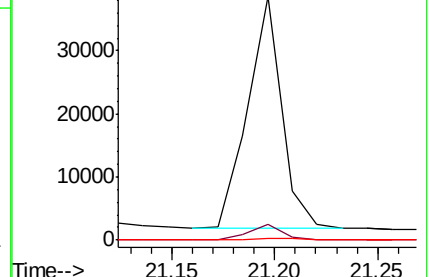
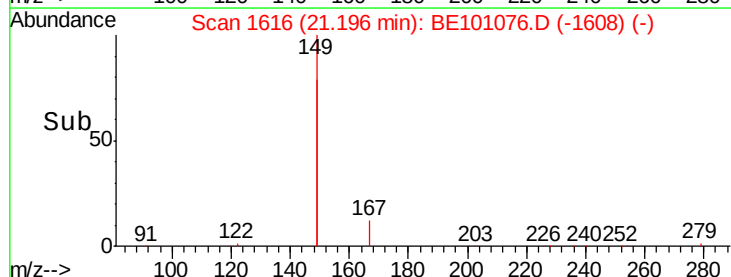
279 0.8 0.8 1.2

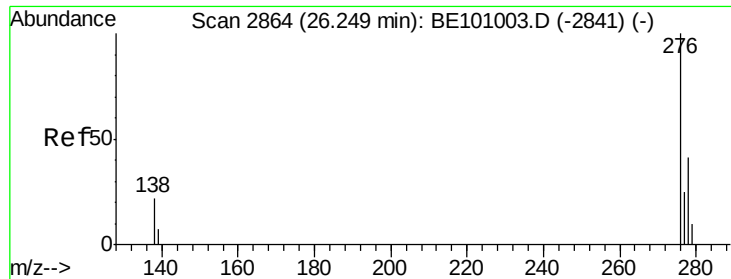


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.495 ng

RT: 26.23 min Scan# 2858

Delta R.T. -0.02 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

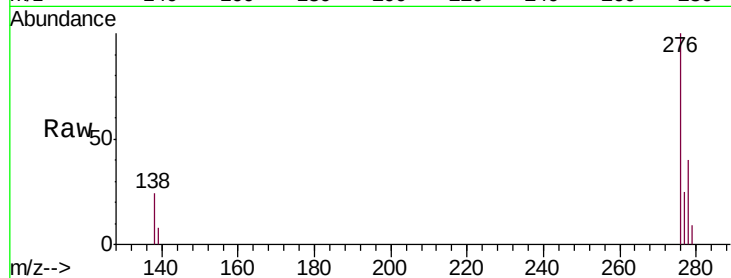
Tgt Ion:276 Resp: 26951

Ion Ratio Lower Upper

276 100

138 25.1 16.1 24.1#

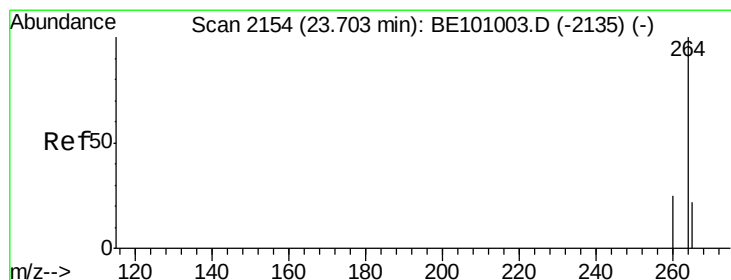
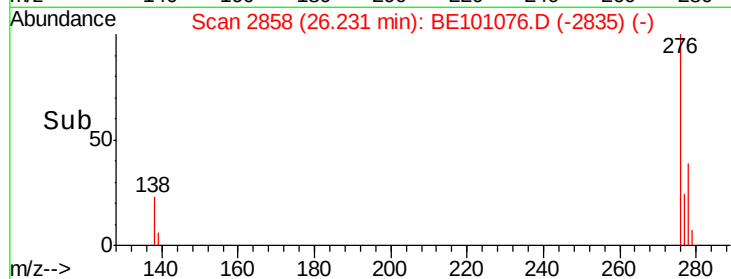
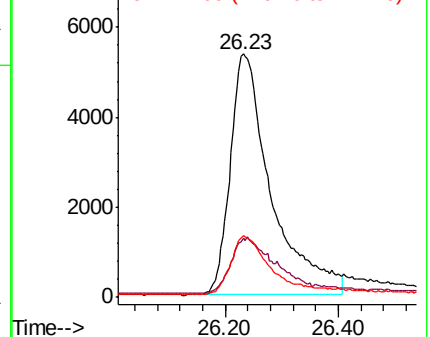
277 24.4 18.1 27.1



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: BE101076.D

Acq: 16 Jan 2020 15:23

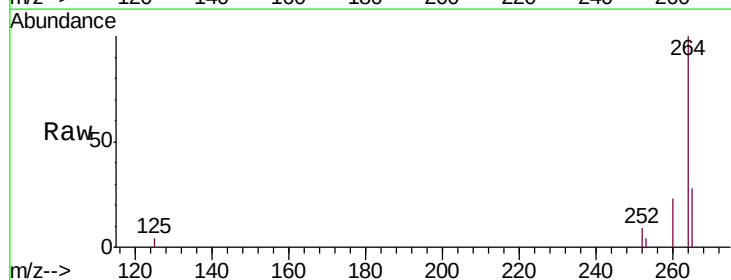
Tgt Ion:264 Resp: 21195

Ion Ratio Lower Upper

264 100

260 23.1 20.3 30.5

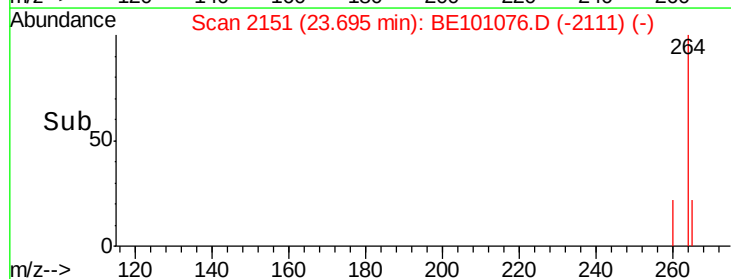
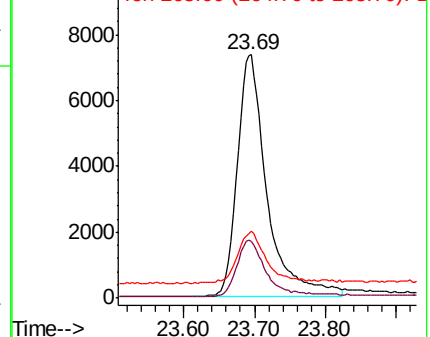
265 27.7 27.0 40.4

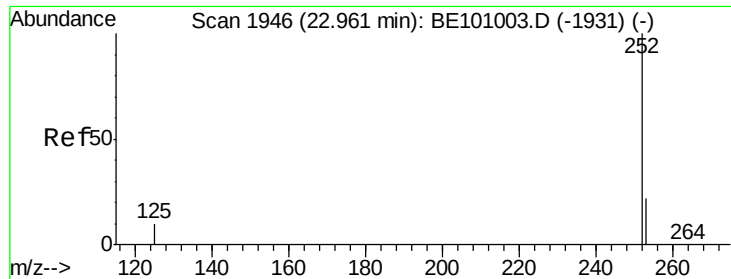


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.338 ng

RT: 22.95 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

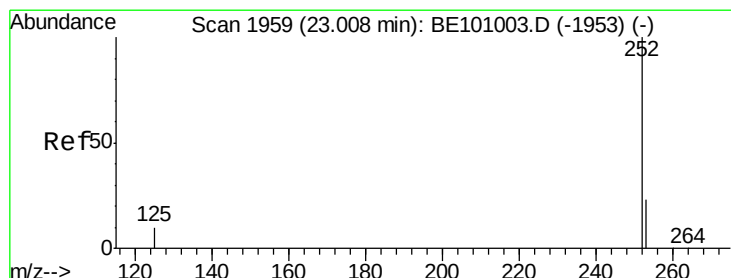
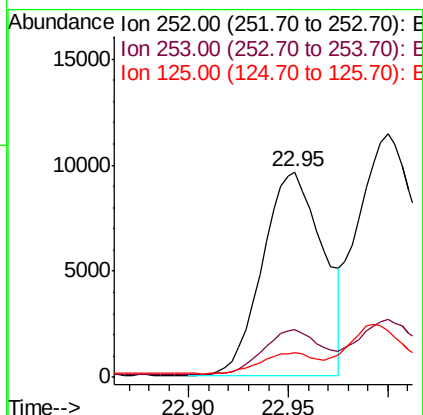
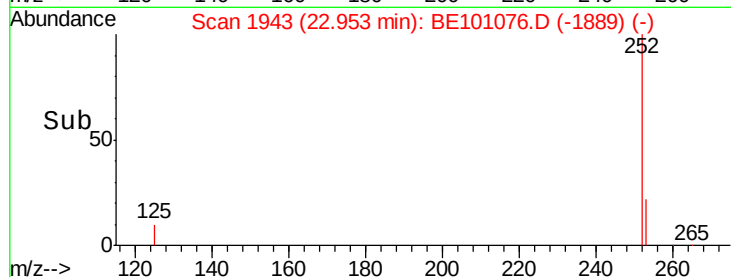
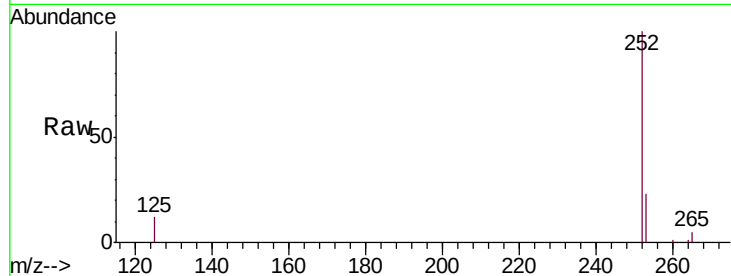
Tgt Ion:252 Resp: 20104

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

125 11.9 9.5 14.3



#36

Benzo(k)fluoranthene

Concen: 0.233 ng

RT: 22.95 min Scan# 1943

Delta R.T. -0.05 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

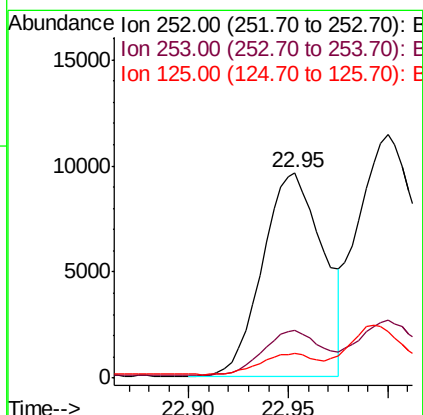
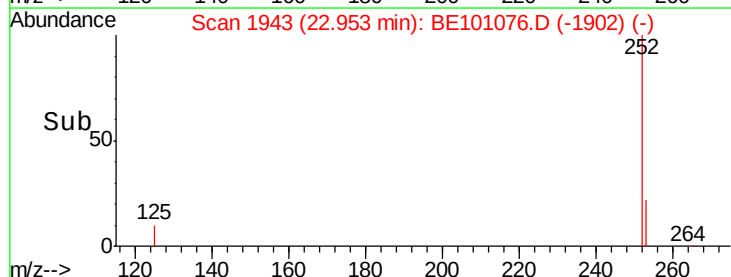
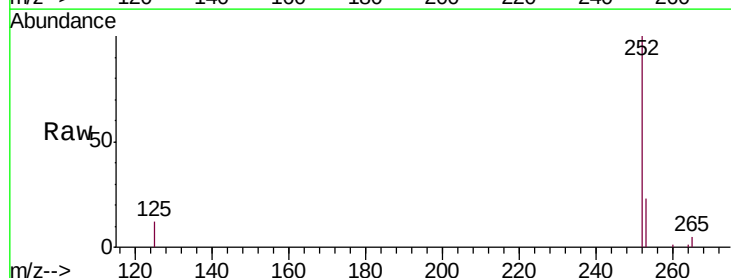
Tgt Ion:252 Resp: 20104

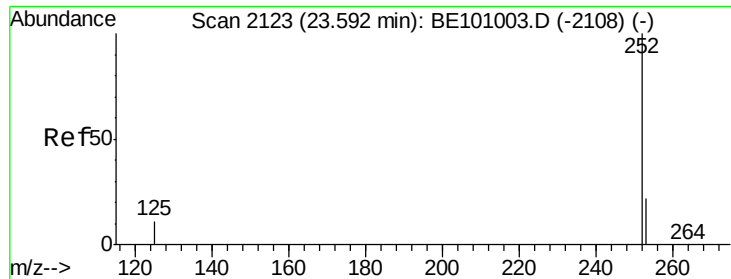
Ion Ratio Lower Upper

252 100

253 23.1 18.9 28.3

125 11.9 10.1 15.1





#37

Benzo(a)pyrene

Concen: 0.386 ng

RT: 23.58 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS

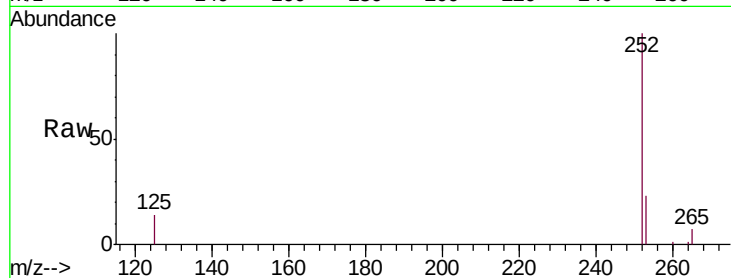
Tgt Ion:252 Resp: 22224

Ion Ratio Lower Upper

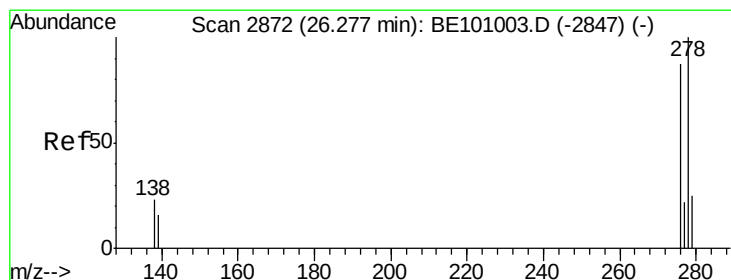
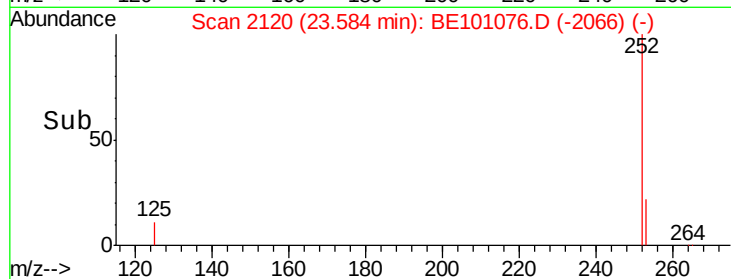
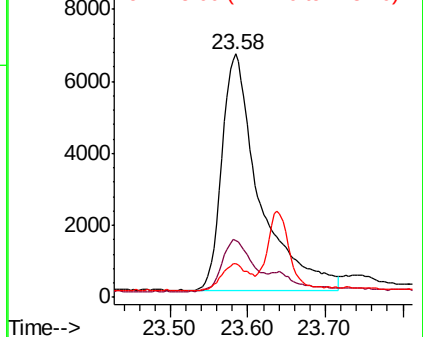
252 100

253 23.5 19.4 29.2

125 13.7 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: 0.401 ng

RT: 26.26 min Scan# 2866

Delta R.T. -0.02 min

Lab File: BE101076.D

Acq: 16 Jan 2020 15:23

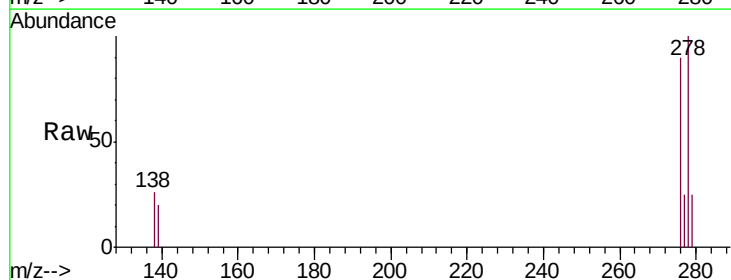
Tgt Ion:278 Resp: 21232

Ion Ratio Lower Upper

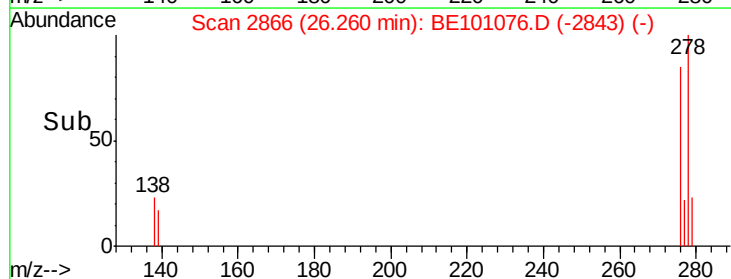
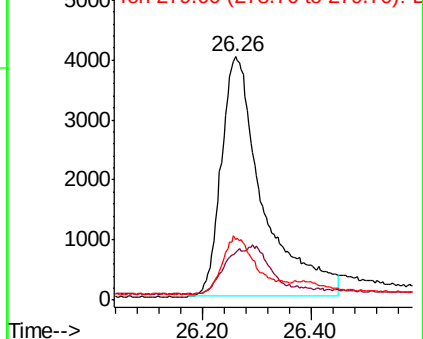
278 100

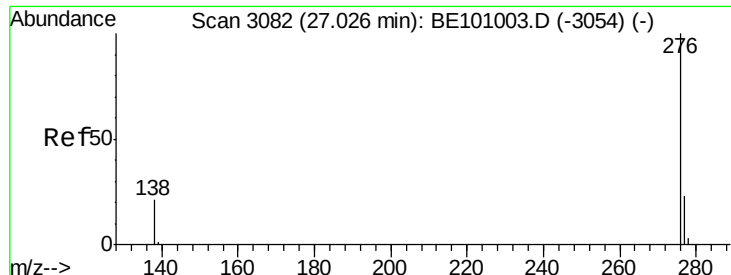
139 19.5 15.0 22.4

279 24.8 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(g,h,i)perylene

Concen: 0.372 ng

RT: 27.01 min Scan# 3075

Delta R.T. -0.02 min

Lab File: BE101076.D

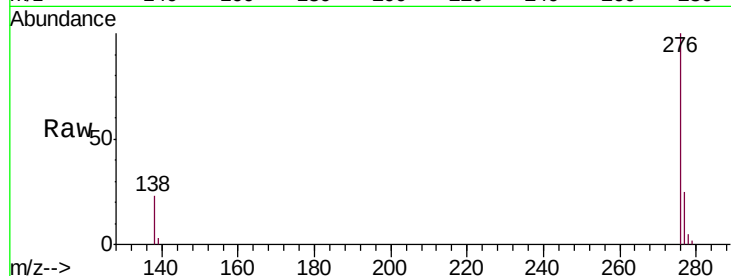
Acq: 16 Jan 2020 15:23

Instrument :

BNA_E

ClientSampleId :

PB126135BS



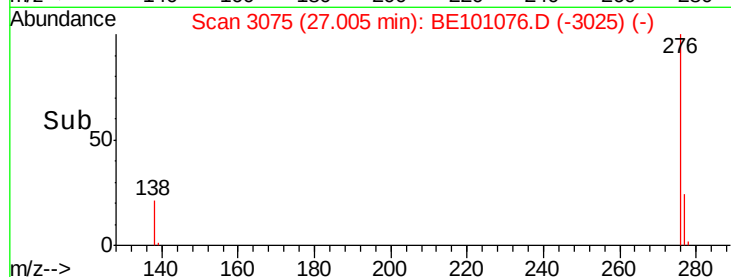
Tgt Ion: 276 Resp: 24167

Ion Ratio Lower Upper

276 100

277 25.0 19.4 29.2

138 23.0 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

