

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011320\
 Data File : BE101040.D
 Acq On : 13 Jan 2020 16:21
 Operator : JU
 Sample : PB125976BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB125976BS

Quant Time: Jan 13 17:28:10 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	7.74	152	3421	0.40	ng	0.00
7) Naphthalene-d8	10.50	136	15670	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	8406	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	18525	0.40	ng	0.00
27) Chrysene-d12	21.27	240	15597	0.40	ng	-0.01
34) Perylene-d12	23.70	264	15293	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	1550	0.20	ng	0.00
5) Phenol-d6	6.92	99	1292	0.13	ng	0.00
8) Nitrobenzene-d5	8.87	82	3151	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	11181	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	582	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	15673	0.49	ng	-0.01
25) Fluoranthene-d10	19.13	212	83711	0.33	ng	0.00
29) Terphenyl-d14	19.74	244	17538	0.46	ng	0.00

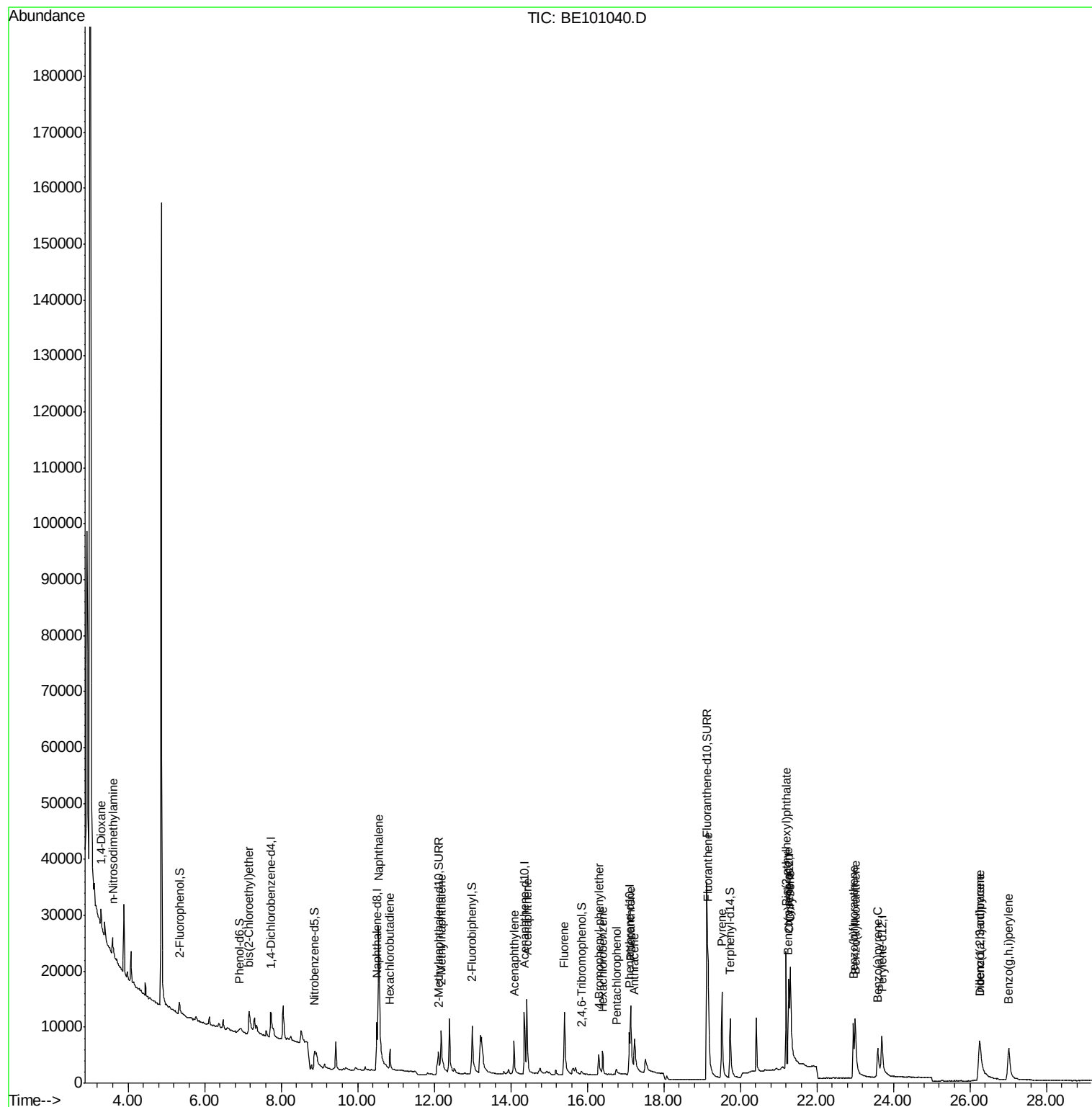
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	1950	0.163	ng	# 49
3) n-Nitrosodimethylamine	3.61	42	1171	0.246	ng	# 88
6) bis(2-Chloroethyl)ether	7.16	93	3861	0.333	ng	96
9) Naphthalene	10.55	128	63483	0.365	ng	100
10) Hexachlorobutadiene	10.85	225	2479	0.336	ng	97
12) 2-Methylnaphthalene	12.18	142	9294	0.353	ng	96
16) Acenaphthylene	14.08	152	9905	0.289	ng	99
17) Acenaphthene	14.43	154	8973	0.366	ng	99
18) Fluorene	15.39	166	11213	0.362	ng	100
20) 4-Bromophenyl-phenylether	16.31	248	2954	0.327	ng	93
21) Hexachlorobenzene	16.41	284	3418	0.345	ng	99
22) Pentachlorophenol	16.76	266	1064	0.557	ng	92
23) Phenanthrene	17.14	178	18739	0.370	ng	99
24) Anthracene	17.23	178	16464	0.345	ng	97
26) Fluoranthene	19.16	202	22319	0.352	ng	98
28) Pyrene	19.52	202	21968	0.378	ng	100
30) Benzo(a)anthracene	21.26	228	12840	0.289	ng	98
31) Chrysene	21.31	228	28893	0.437	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	22647	0.305	ng	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	17888	0.342	ng	97
35) Benzo(b)fluoranthene	22.96	252	15222	0.355	ng	100
36) Benzo(k)fluoranthene	23.00	252	21928	0.353	ng	98
37) Benzo(a)pyrene	23.59	252	15380	0.371	ng	99
38) Dibenzo(a,h)anthracene	26.27	278	13236	0.347	ng	98
39) Benzo(g,h,i)perylene	27.01	276	18971	0.404	ng	98

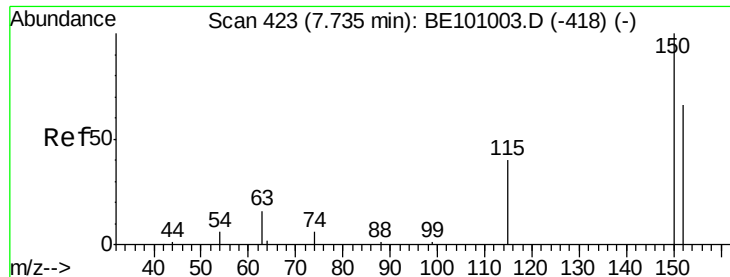
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.74 min Scan# 423

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

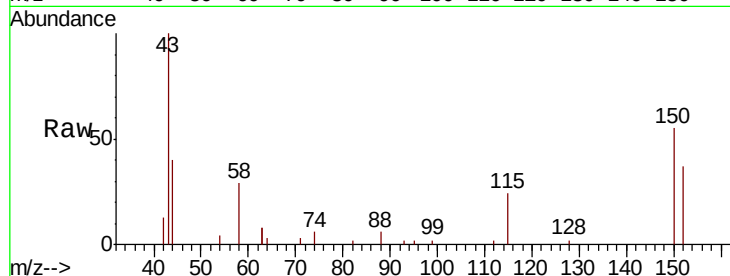
Tot Ion:152 Resp: 3421

Ion Ratio Lower Upper

152 100

150 149.0 120.3 180.5

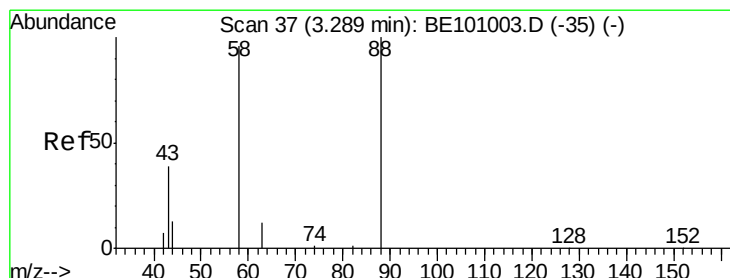
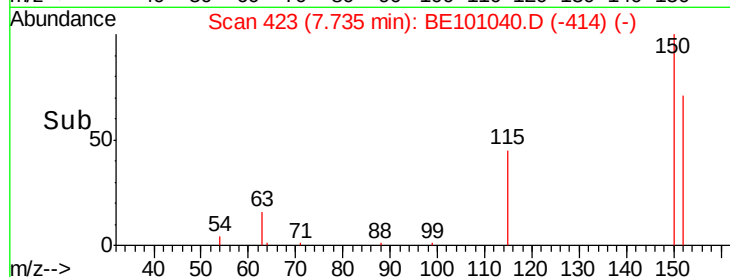
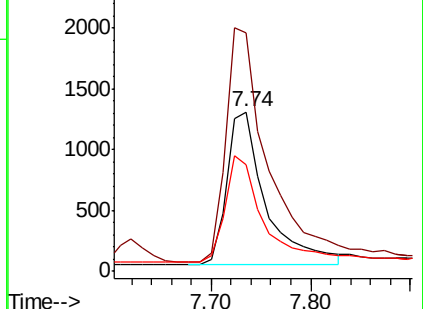
115 66.4 51.7 77.5



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: 0.163 ng

RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

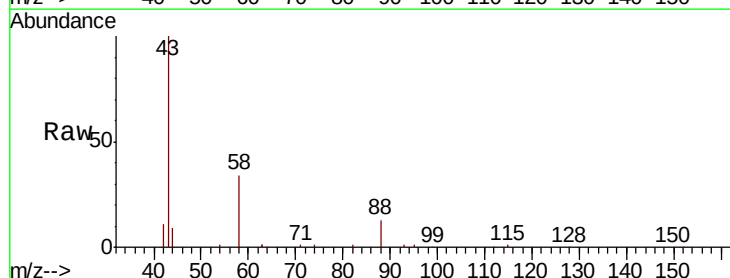
Tgt Ion: 88 Resp: 1950

Ion Ratio Lower Upper

88 100

58 105.1 53.0 79.4#

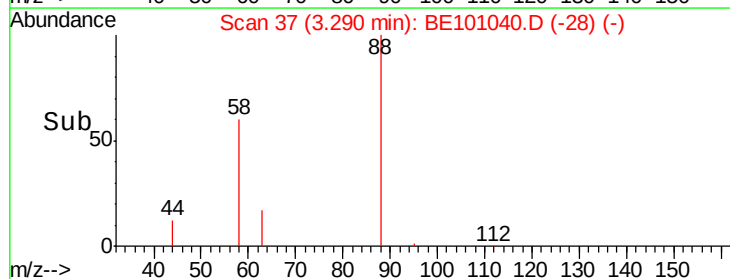
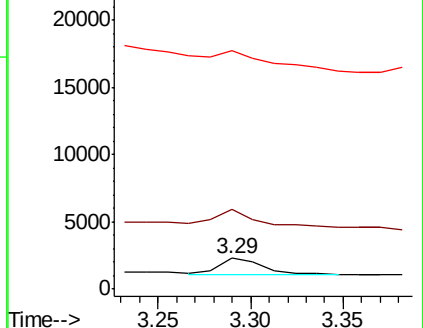
43 0.0 23.4 35.2#

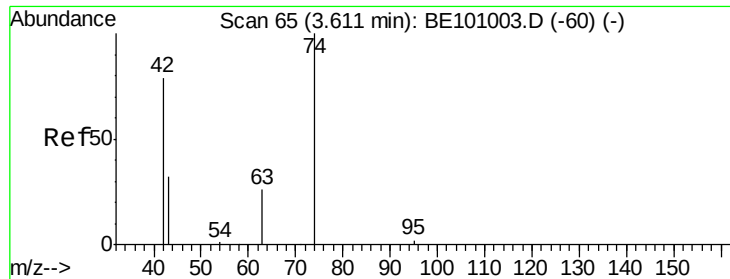


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.246 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

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PB125976BS

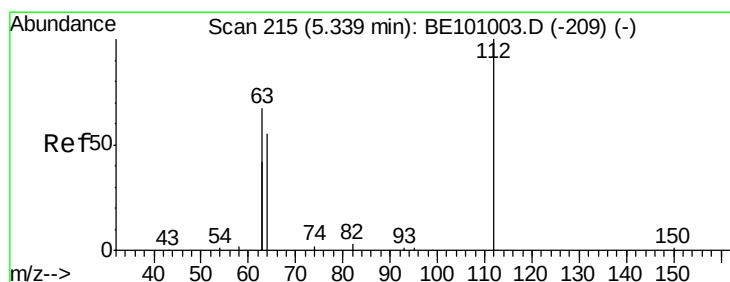
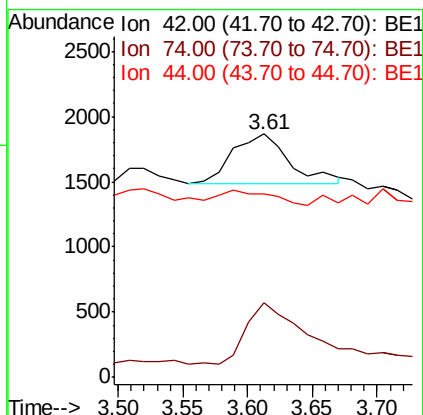
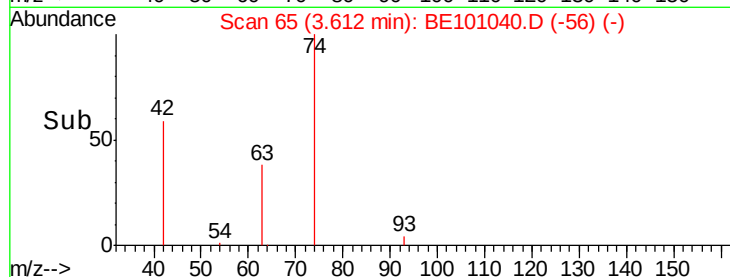
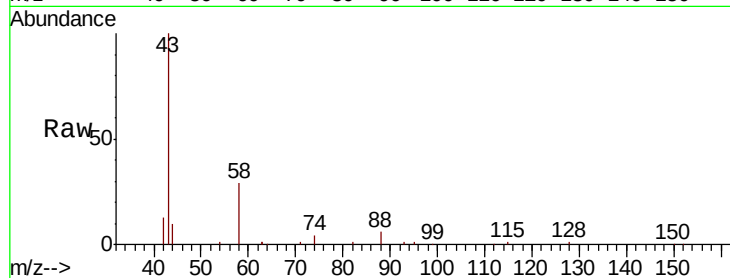
Tot Ion: 42 Resp: 1171

Ion Ratio Lower Upper

42 100

74 120.8 105.7 158.5

44 0.0 10.0 15.0#



#4

2-Fluorophenol

Concen: 0.201 ng

RT: 5.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

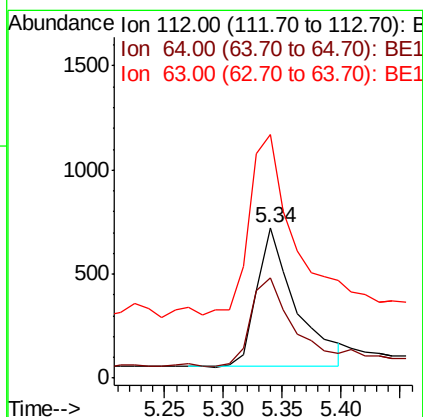
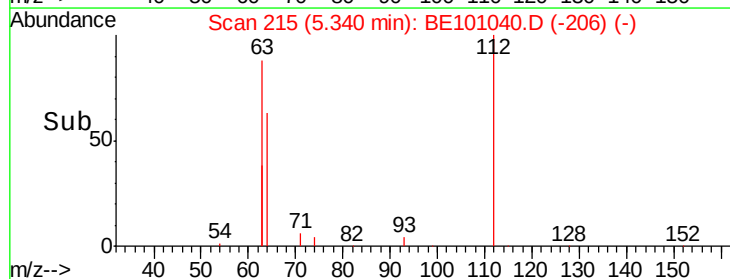
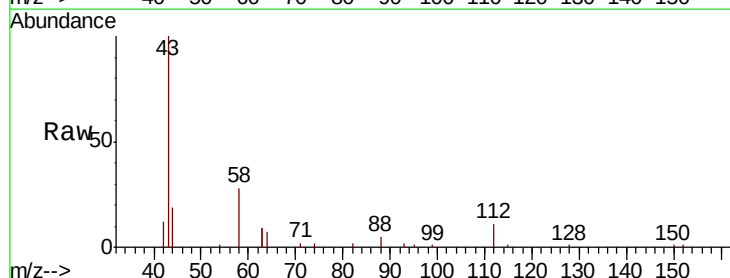
Tgt Ion: 112 Resp: 1550

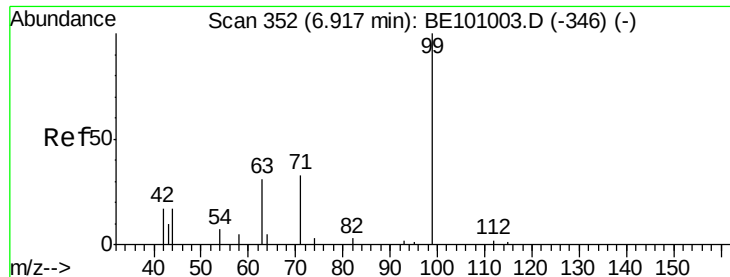
Ion Ratio Lower Upper

112 100

64 69.3 53.6 80.4

63 147.0 114.6 172.0





#5

Phenol-d6

Concen: 0.133 ng

RT: 6.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

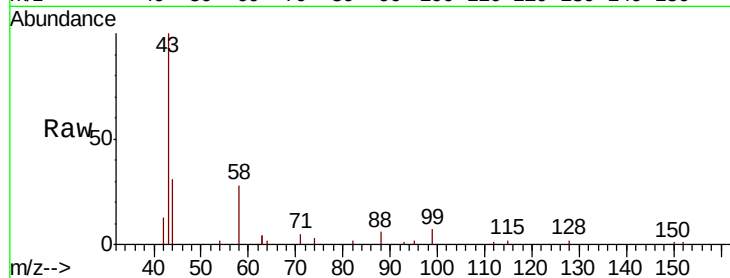
Tot Ion: 99 Resp: 1292

Ion Ratio Lower Upper

99 100

42 29.0 18.3 27.5#

71 42.5 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

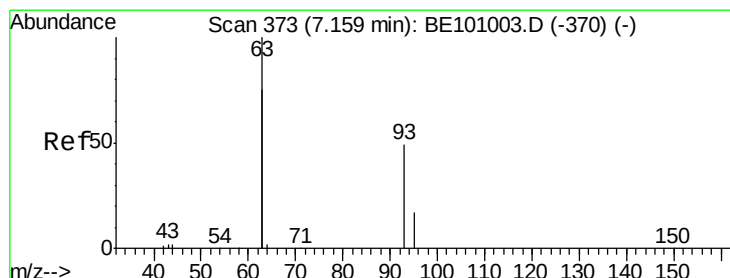
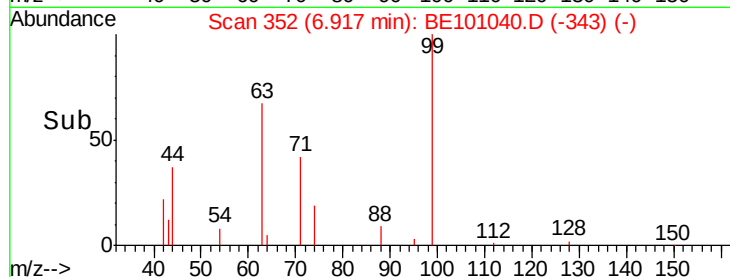
200

0

6.80 6.90 7.00 7.10

6.92

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.333 ng

RT: 7.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

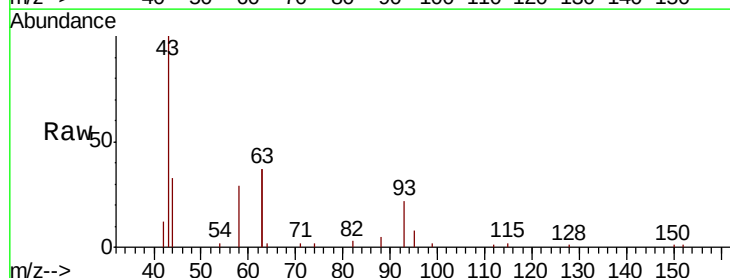
Tgt Ion: 93 Resp: 3861

Ion Ratio Lower Upper

93 100

63 286.2 233.9 350.9

95 34.5 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

4000

3000

2000

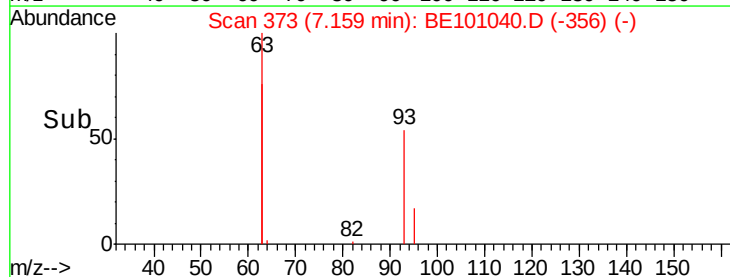
1000

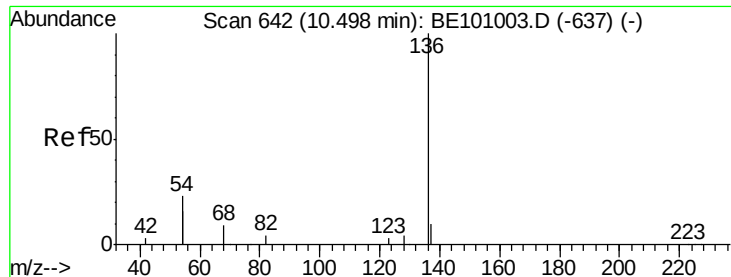
0

7.00 7.10 7.20 7.30

7.16

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

Tot Ion:136 Resp: 15670

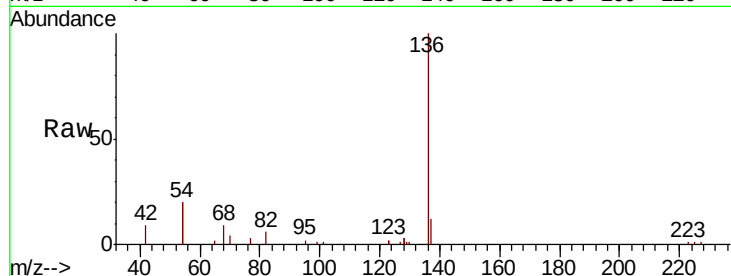
Ion Ratio Lower Upper

136 100

137 11.7 9.3 13.9

54 39.8 36.8 55.2

68 9.1 8.4 12.6

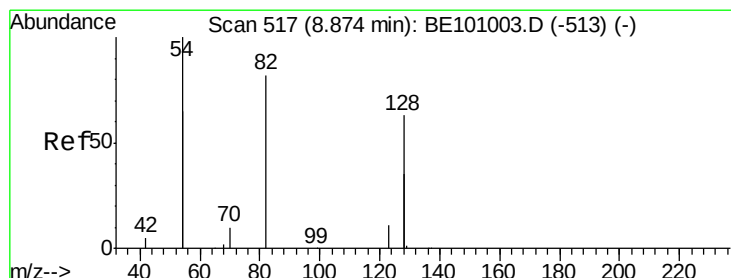
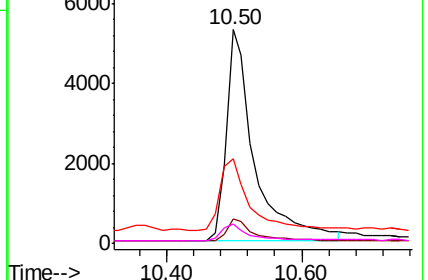
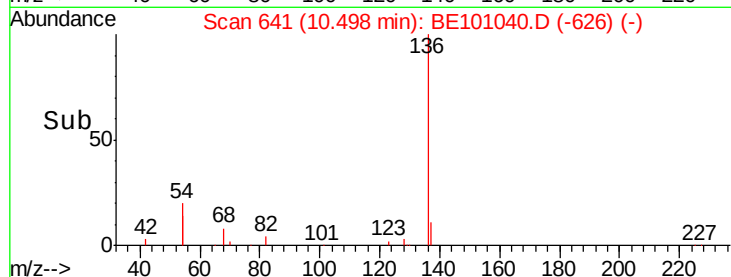


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.281 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

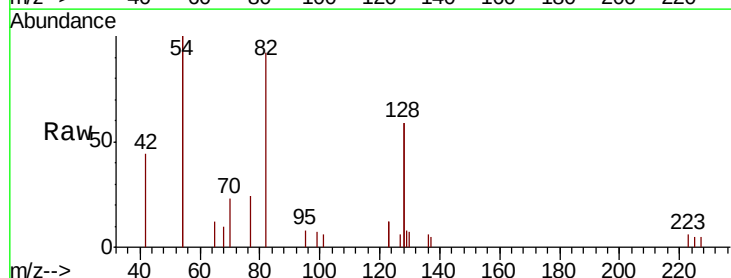
Tgt Ion: 82 Resp: 3151

Ion Ratio Lower Upper

82 100

128 127.5 109.8 164.6

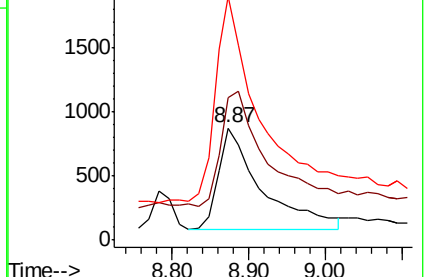
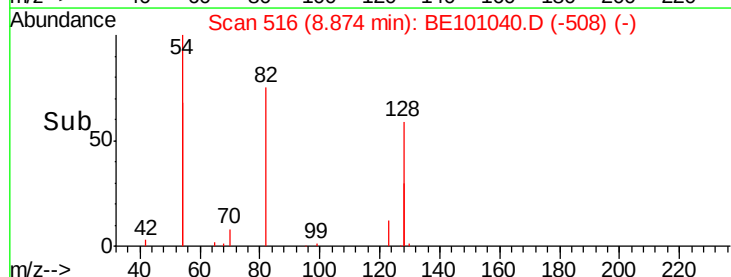
54 217.2 174.5 261.7

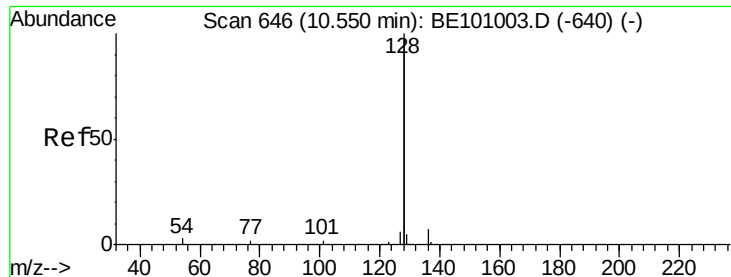


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.365 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

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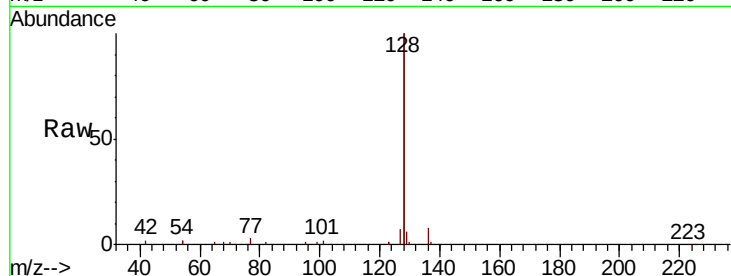
Tot Ion:128 Resp: 63483

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

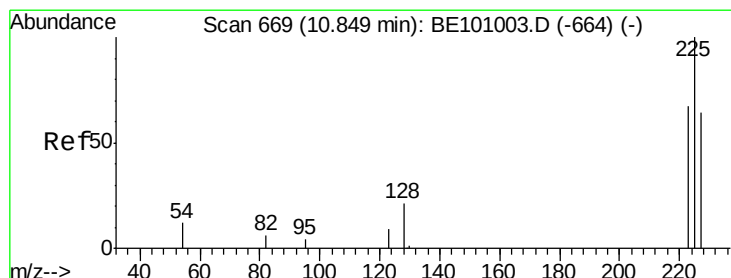
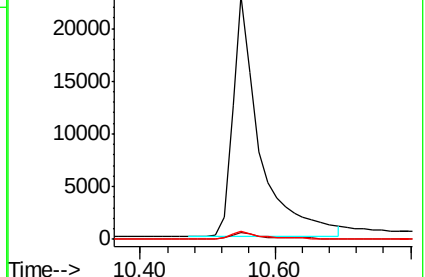
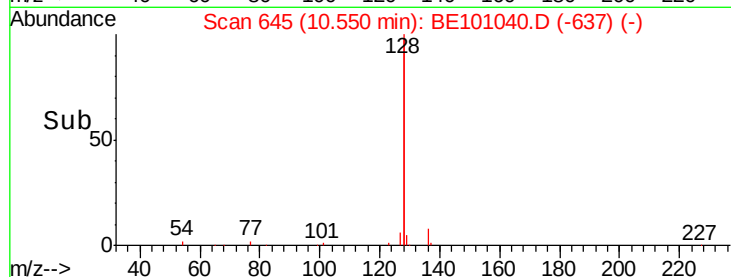
127 3.4 2.7 4.1



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: 0.336 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

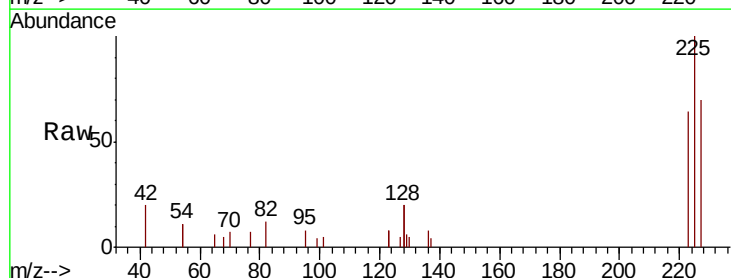
Tgt Ion:225 Resp: 2479

Ion Ratio Lower Upper

225 100

223 63.5 52.2 78.4

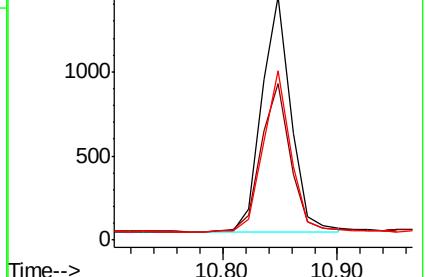
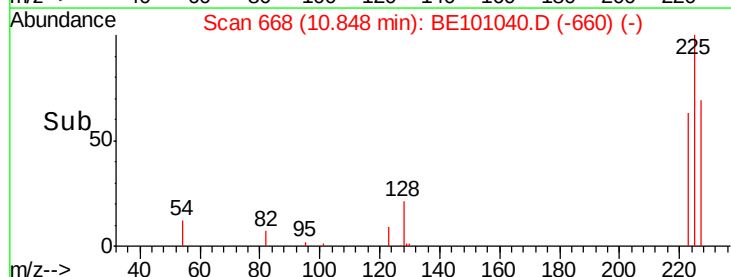
227 64.7 49.9 74.9

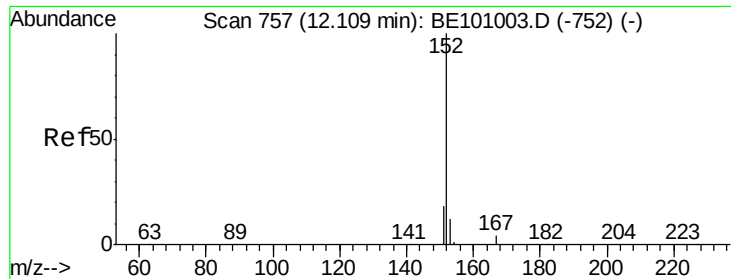


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

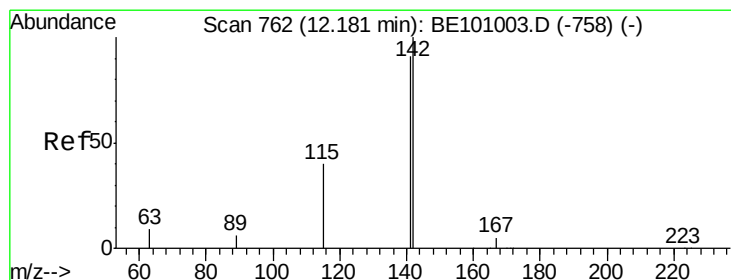
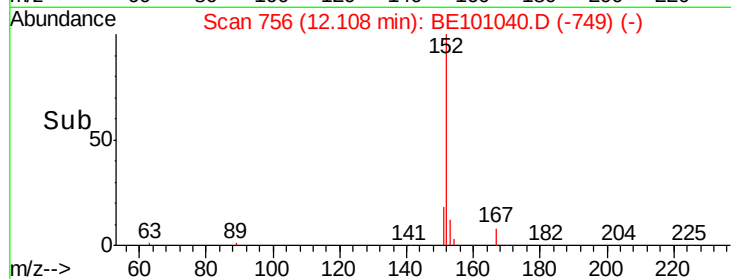
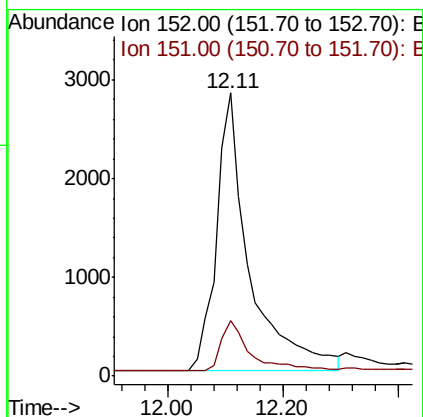
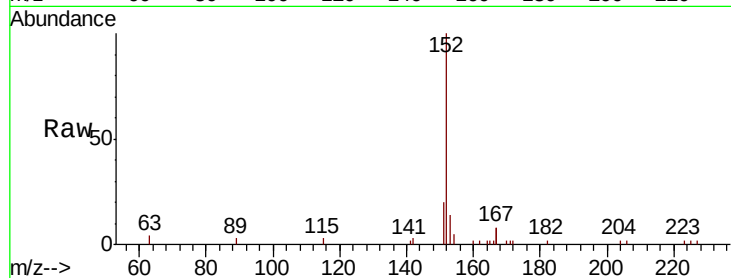




#11
 2-Methylnaphthalene-d10
 Concen: 0.374 ng
 RT: 12.11 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BE101040.D
 Acq: 13 Jan 2020 16:21

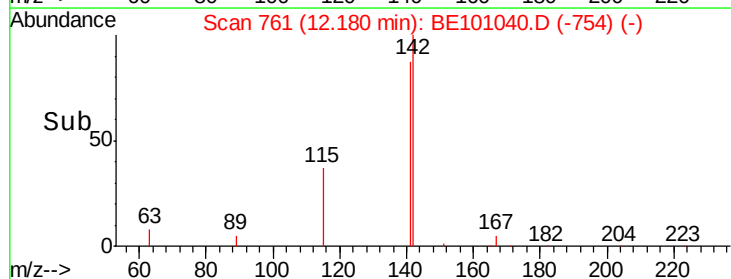
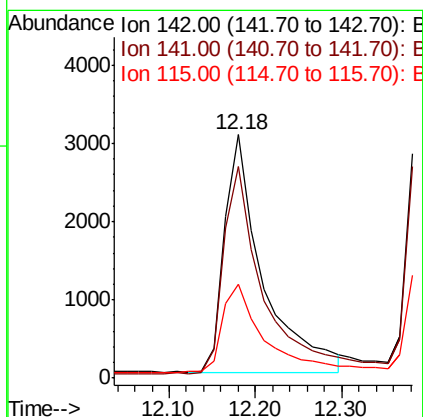
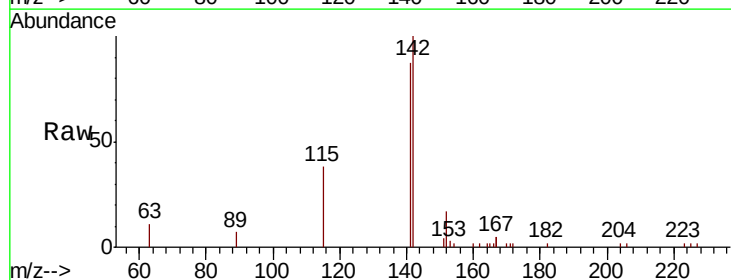
Instrument :
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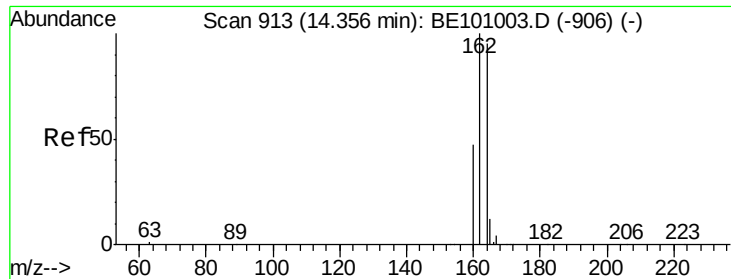
Tot Ion:152 Resp: 11181
 Ion Ratio Lower Upper
 152 100
 151 15.7 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.353 ng
 RT: 12.18 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE101040.D
 Acq: 13 Jan 2020 16:21

Tgt Ion:142 Resp: 9294
 Ion Ratio Lower Upper
 142 100
 141 87.0 72.5 108.7
 115 38.5 33.0 49.6

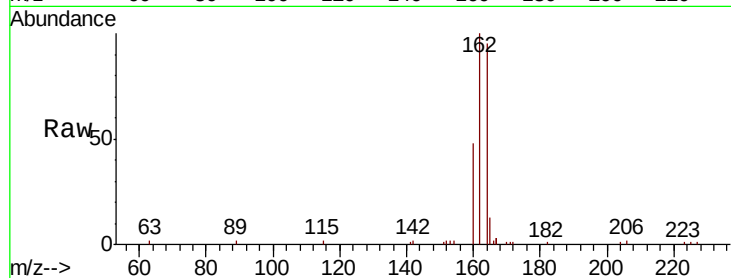




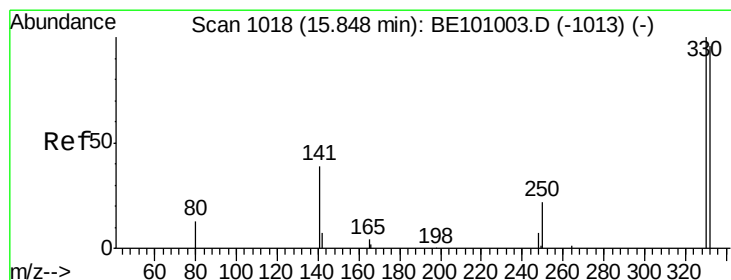
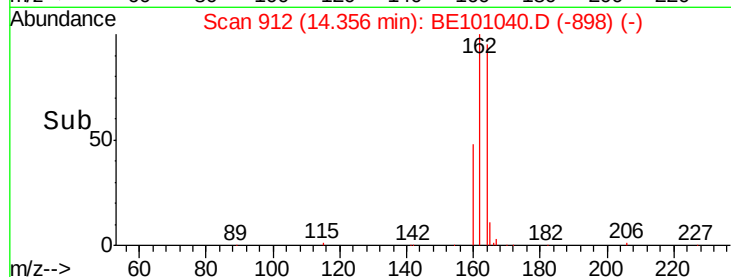
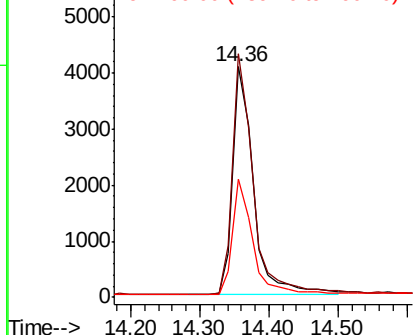
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101040.D
Acq: 13 Jan 2020 16:21

Instrument :
BNA_E
ClientSampleId :
PB125976BS

Tot Ion:164 Resp: 8406
Ion Ratio Lower Upper
164 100
162 105.7 84.1 126.1
160 51.1 40.4 60.6

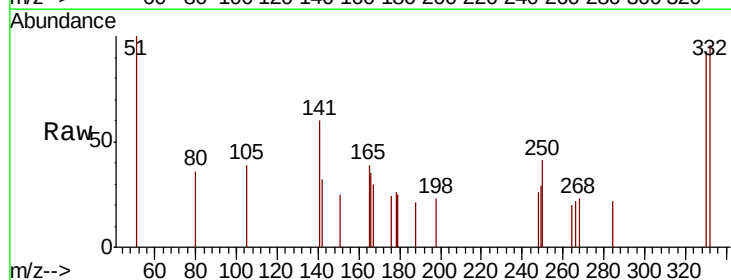


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

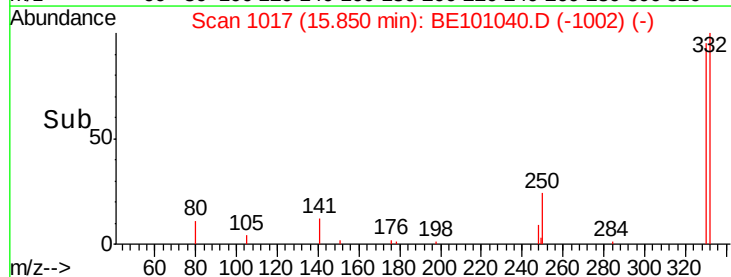
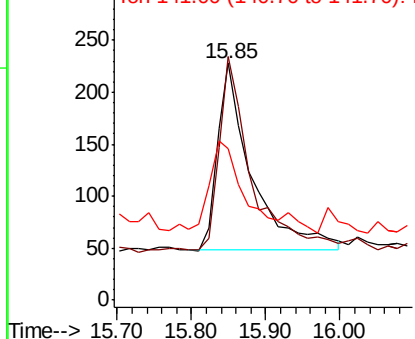


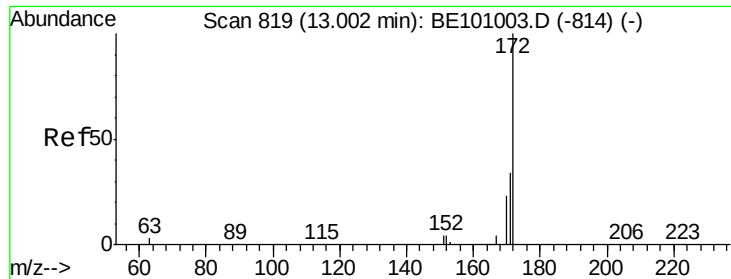
#14
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101040.D
Acq: 13 Jan 2020 16:21

Tgt Ion:330 Resp: 582
Ion Ratio Lower Upper
330 100
332 94.2 78.4 117.6
141 53.6 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

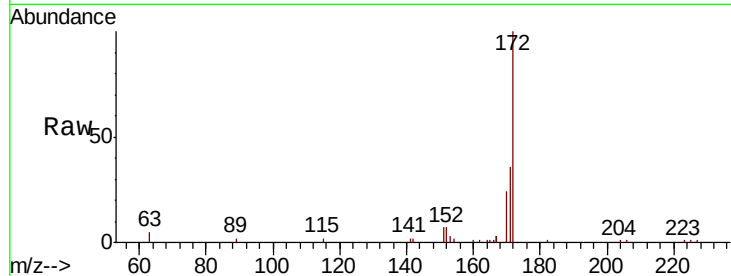




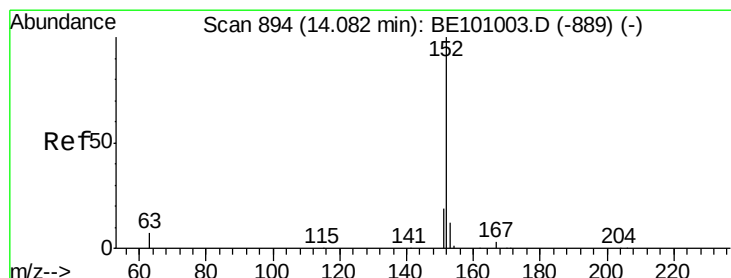
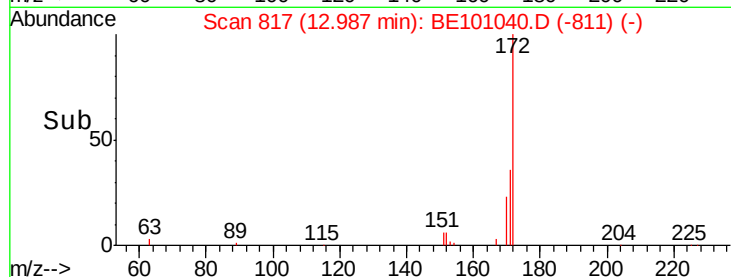
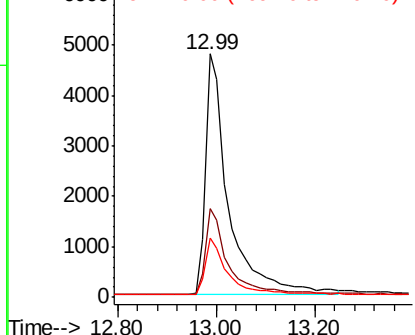
#15
2-Fluorobiphenyl
Concen: 0.491 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101040.D
Acq: 13 Jan 2020 16:21

Instrument :
BNA_E
ClientSampleId :
PB125976BS

Tot Ion:172 Resp: 15673
Ion Ratio Lower Upper
172 100
171 36.4 28.2 42.2
170 24.3 18.9 28.3

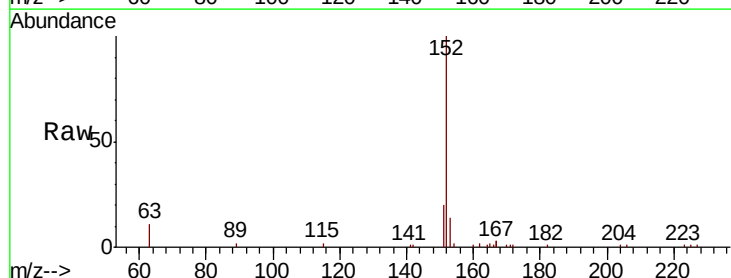


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

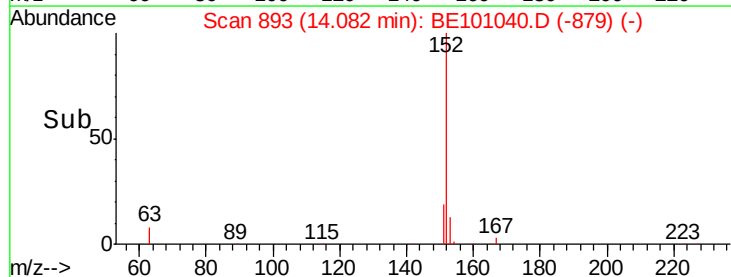
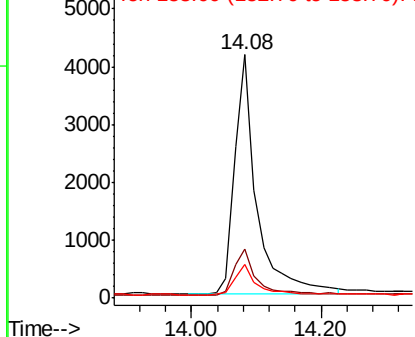


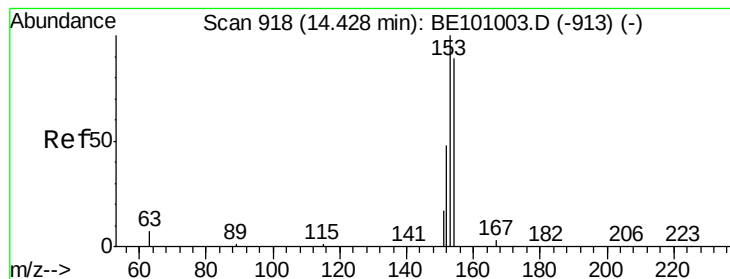
#16
Acenaphthylene
Concen: 0.289 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101040.D
Acq: 13 Jan 2020 16:21

Tgt Ion:152 Resp: 9905
Ion Ratio Lower Upper
152 100
151 19.2 15.5 23.3
153 12.2 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: 0.366 ng

RT: 14.43 min Scan# 917

Delta R.T. -0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

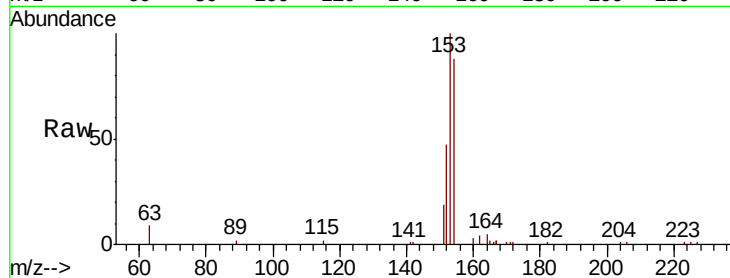
Tot Ion:154 Resp: 8973

Ion Ratio Lower Upper

154 100

153 116.2 93.6 140.4

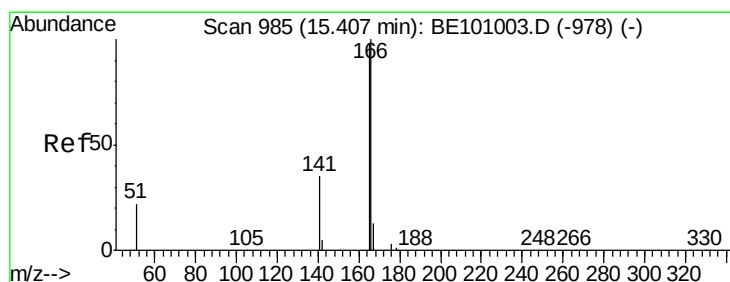
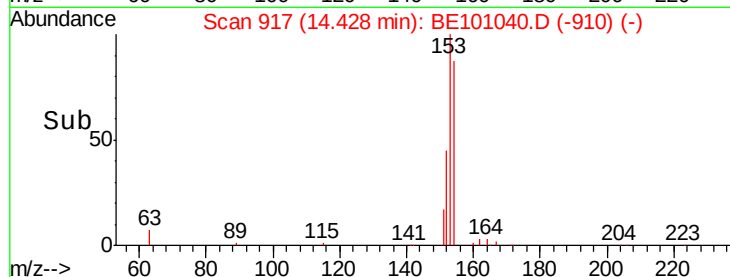
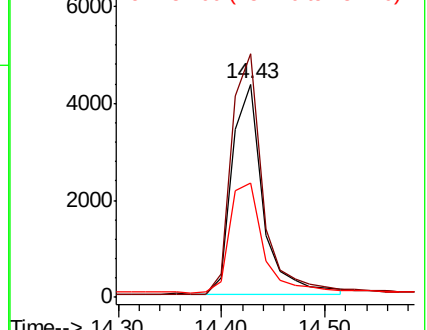
152 56.5 46.3 69.5



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: 0.362 ng

RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

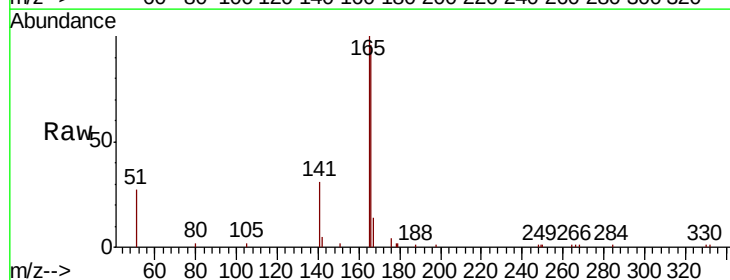
Tgt Ion:166 Resp: 11213

Ion Ratio Lower Upper

166 100

165 99.6 79.8 119.8

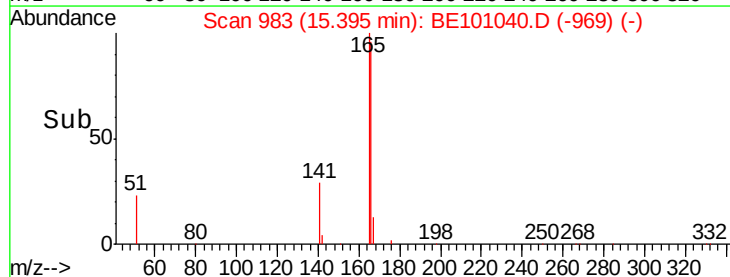
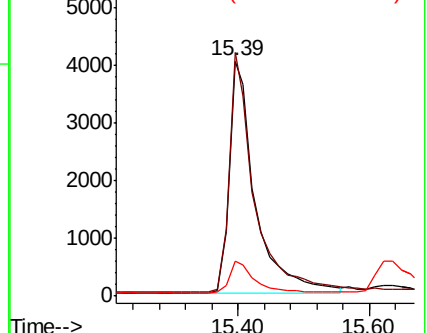
167 13.3 11.0 16.6

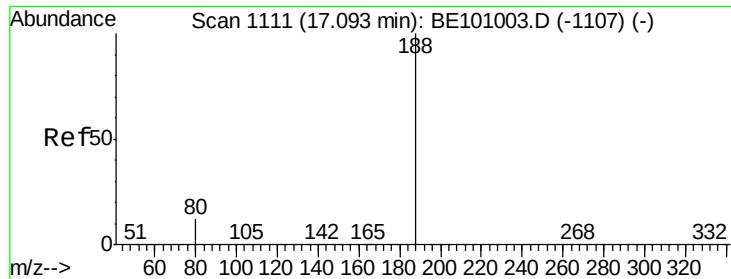


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

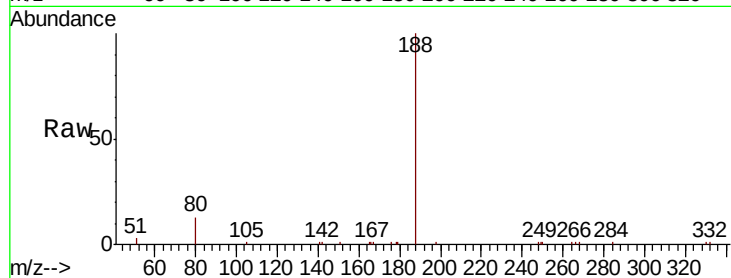
Tot Ion:188 Resp: 18525

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

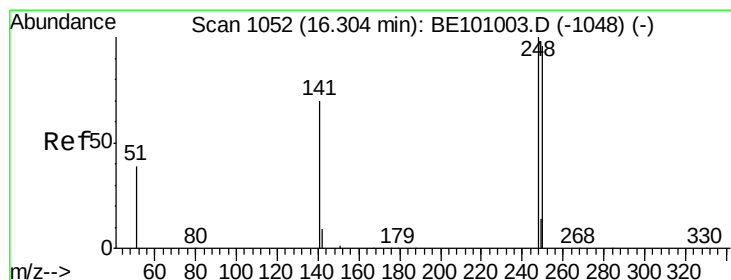
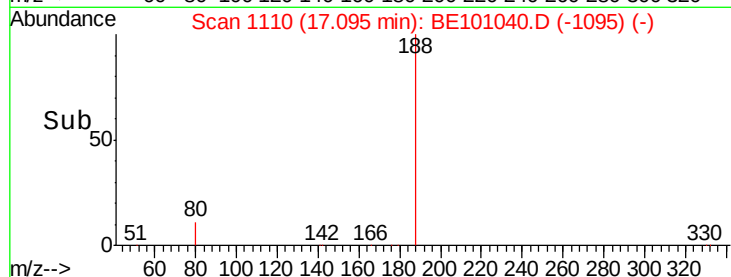
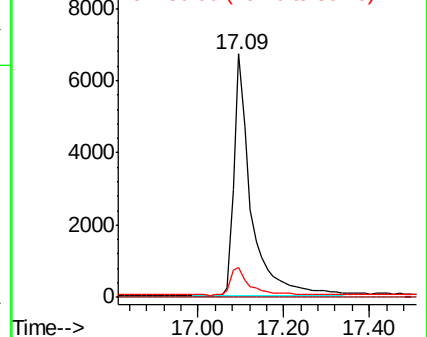
80 12.5 10.8 16.2



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: 0.327 ng

RT: 16.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

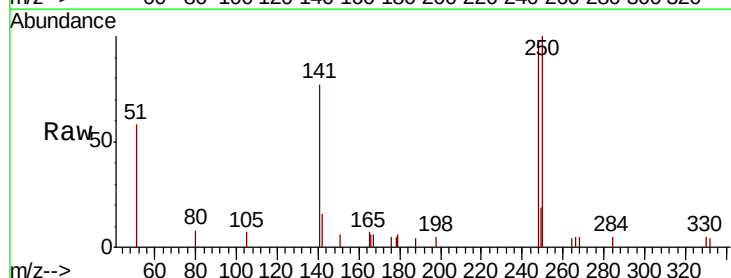
Tgt Ion:248 Resp: 2954

Ion Ratio Lower Upper

248 100

250 101.7 76.6 115.0

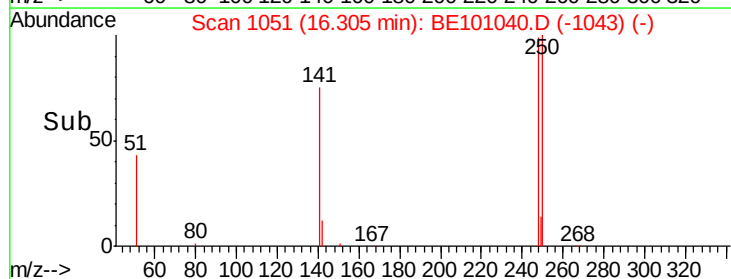
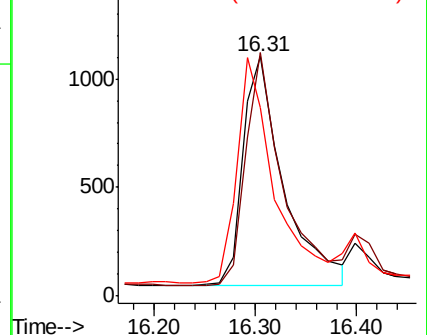
141 78.5 57.7 86.5

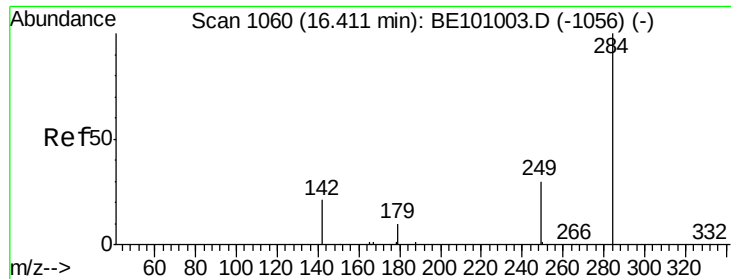


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.345 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

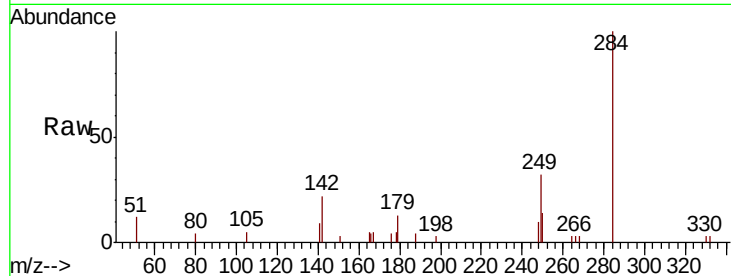
Tot Ion:284 Resp: 3418

Ion Ratio Lower Upper

284 100

142 44.0 34.0 51.0

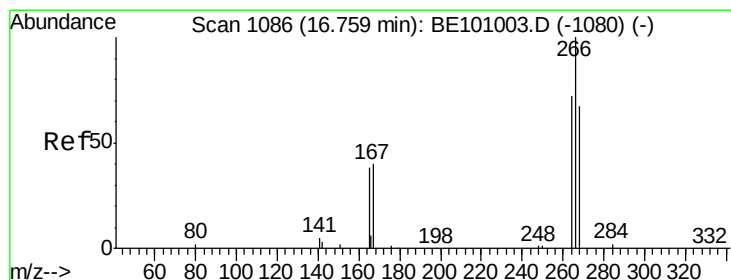
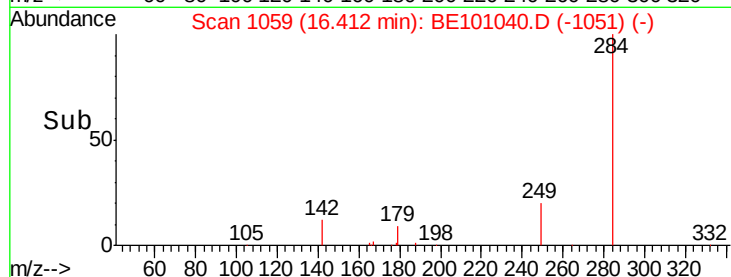
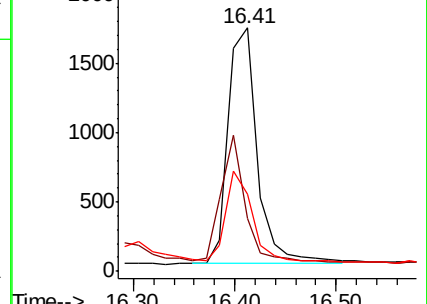
249 35.2 28.2 42.4



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: 0.557 ng

RT: 16.76 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

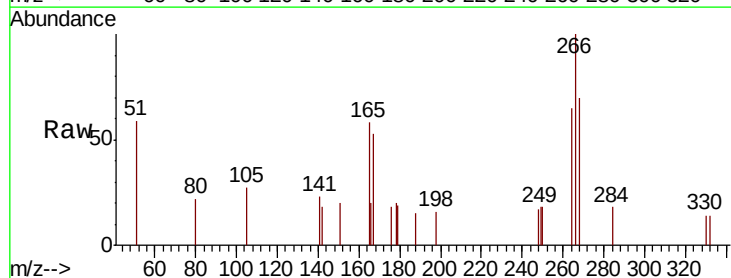
Tgt Ion:266 Resp: 1064

Ion Ratio Lower Upper

266 100

264 65.5 61.0 91.4

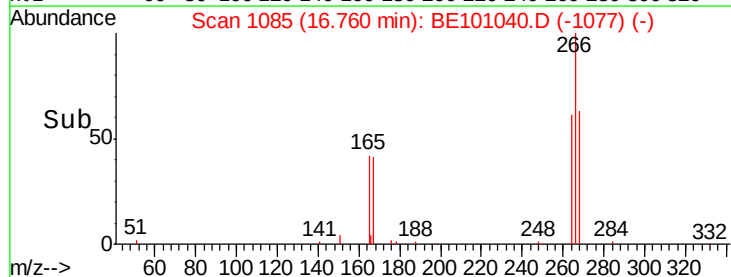
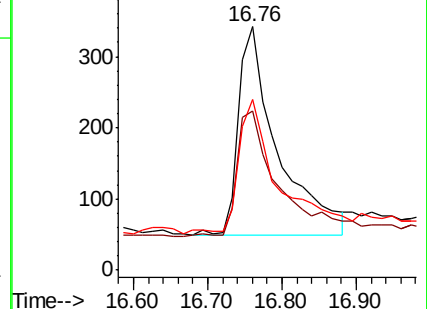
268 70.2 58.5 87.7

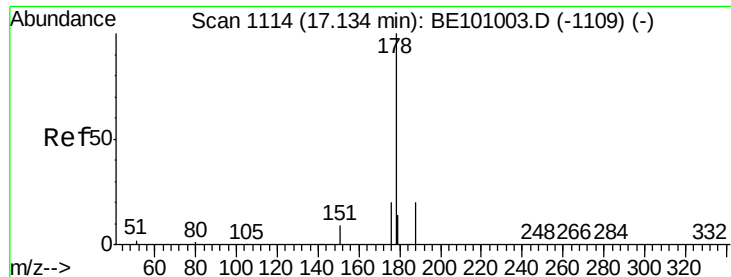


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.370 ng

RT: 17.14 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

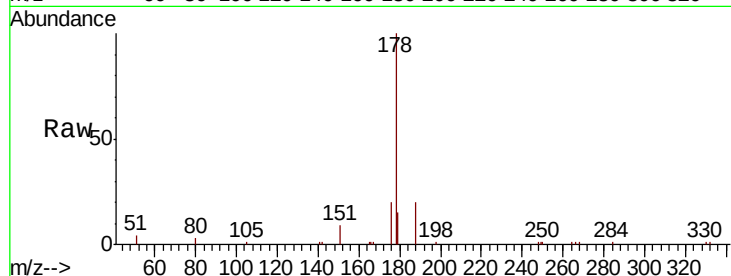
Tot Ion:178 Resp: 18739

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

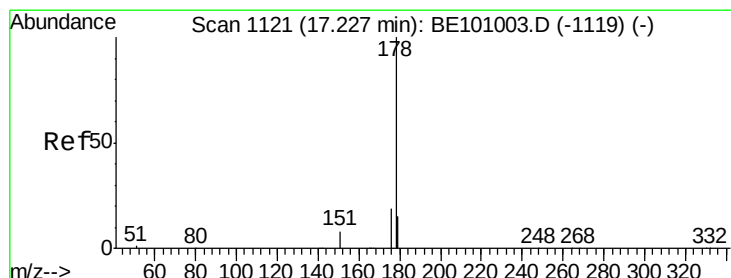
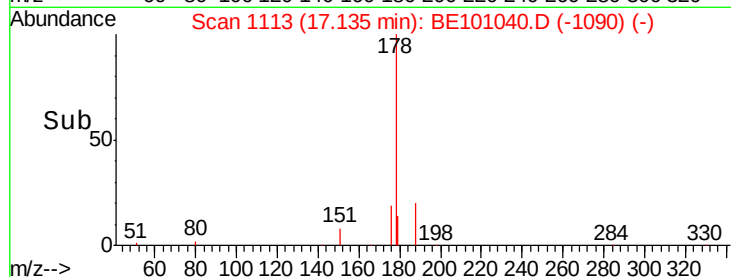
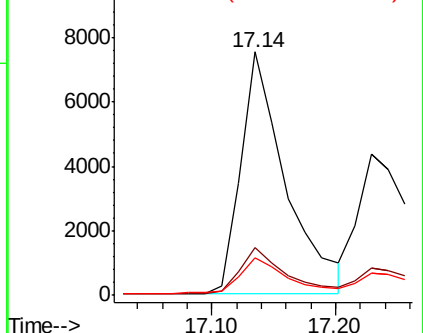
179 15.2 12.0 18.0



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: 0.345 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

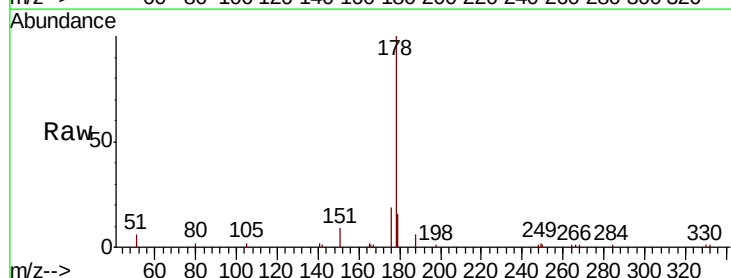
Tgt Ion:178 Resp: 16464

Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

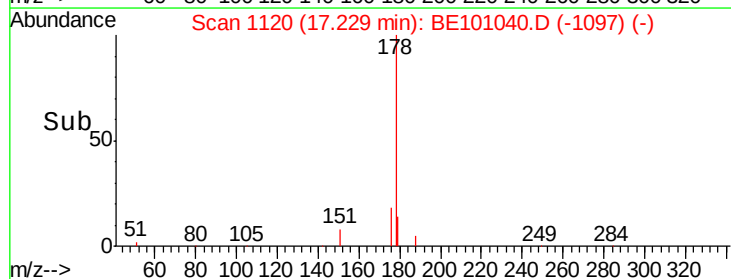
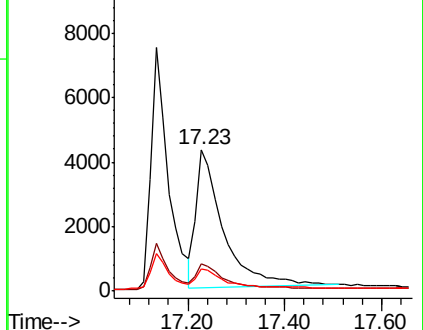
179 13.1 12.4 18.6

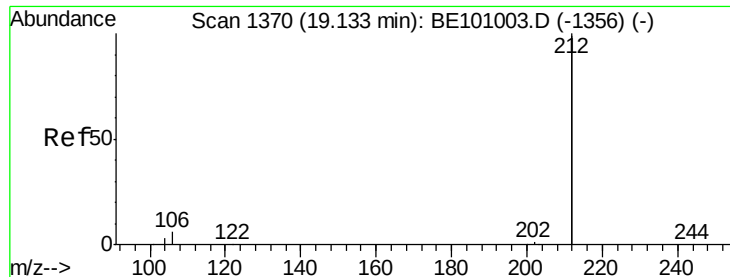


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

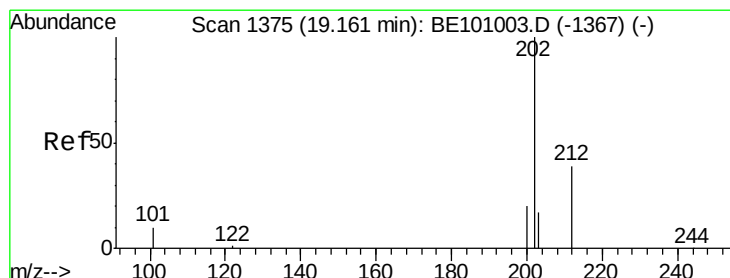
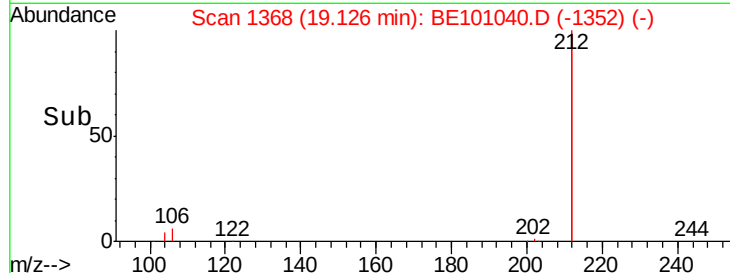
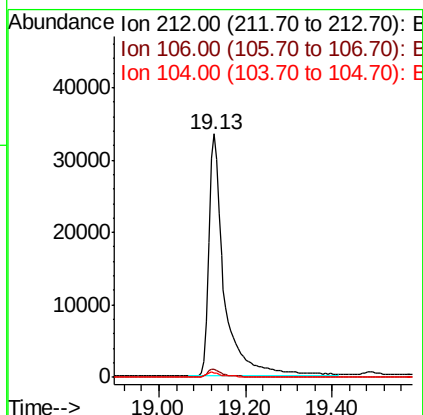
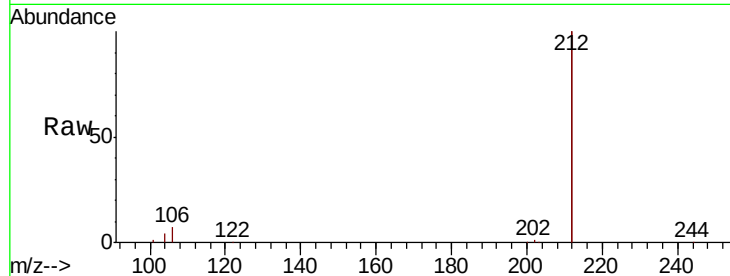




#25
Fluoranthene-d10
Concen: 0.325 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE101040.D
Acq: 13 Jan 2020 16:21

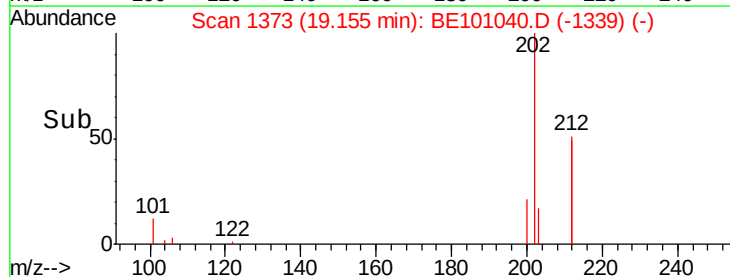
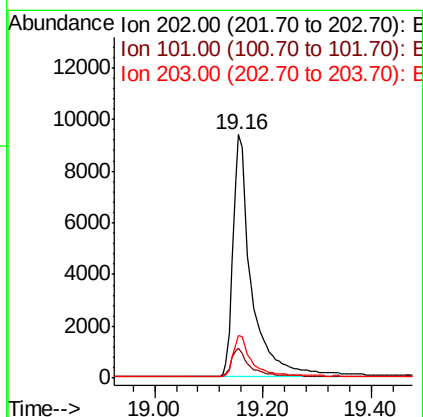
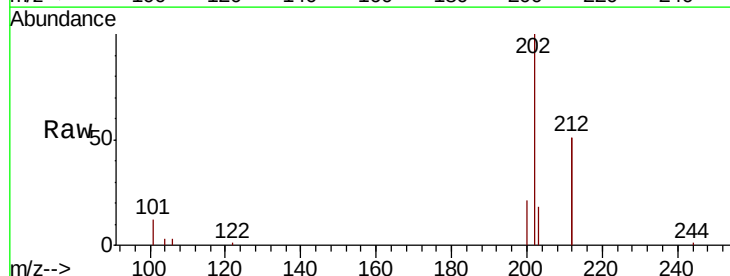
Instrument :
BNA_E
ClientSampleId :
PB125976BS

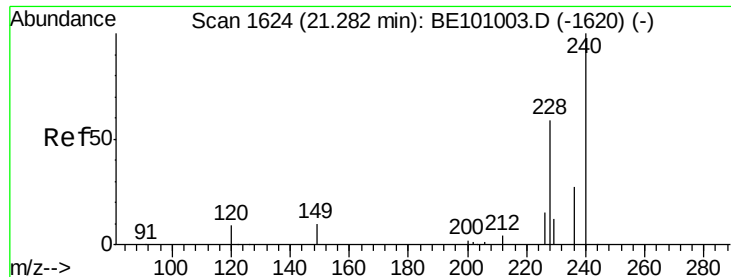
Tot Ion:212 Resp: 83711
Ion Ratio Lower Upper
212 100
106 3.2 2.6 3.8
104 1.8 1.4 2.0



#26
Fluoranthene
Concen: 0.352 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101040.D
Acq: 13 Jan 2020 16:21

Tgt Ion:202 Resp: 22319
Ion Ratio Lower Upper
202 100
101 11.2 9.6 14.4
203 16.7 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

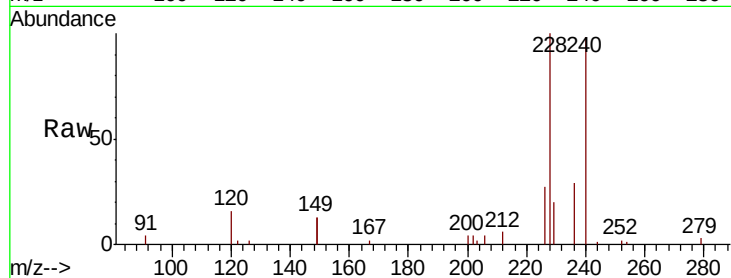
Tot Ion:240 Resp: 15597

Ion Ratio Lower Upper

240 100

120 16.2 8.6 13.0#

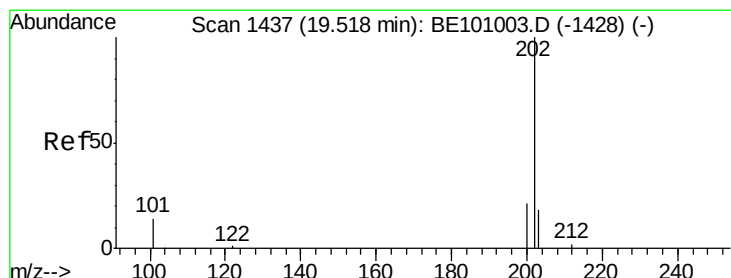
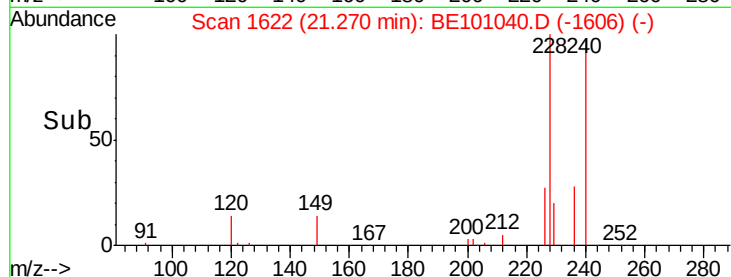
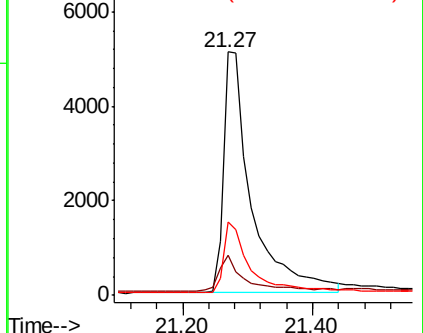
236 29.9 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.378 ng

RT: 19.52 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

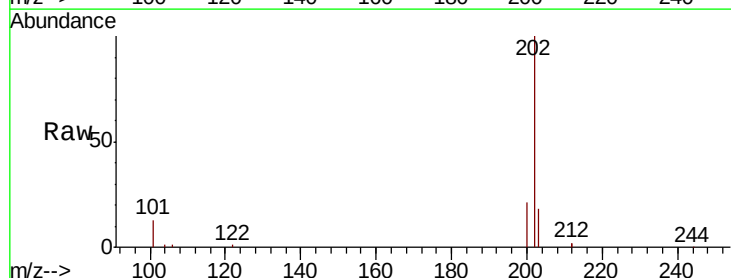
Tgt Ion:202 Resp: 21968

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

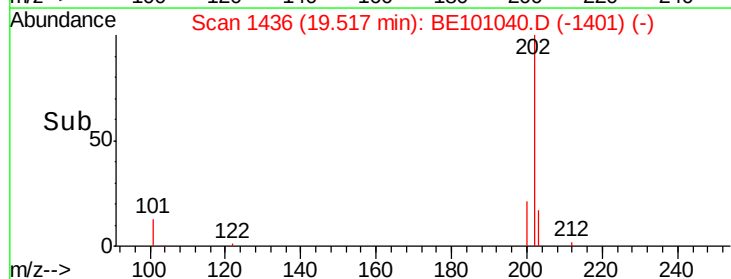
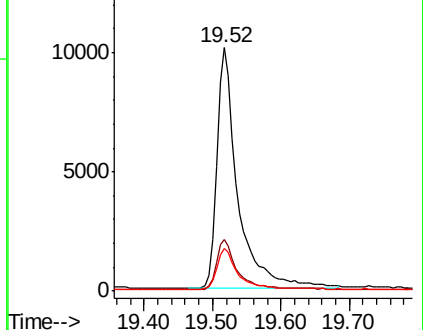
203 17.3 13.8 20.6

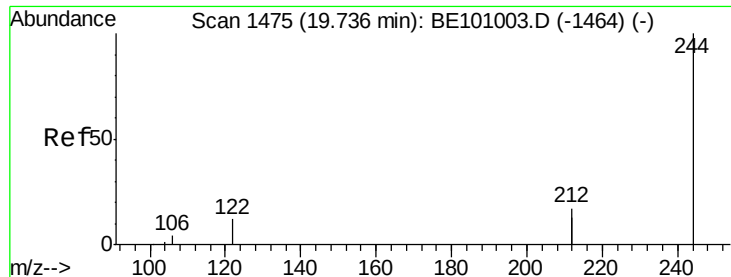


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

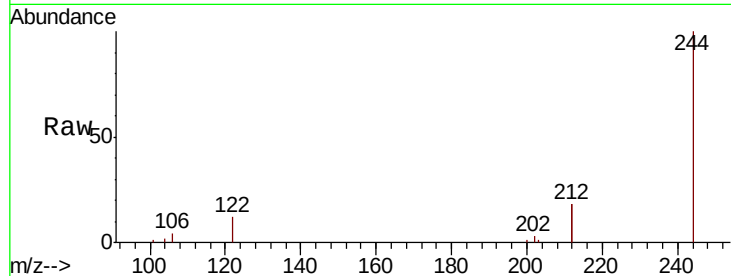




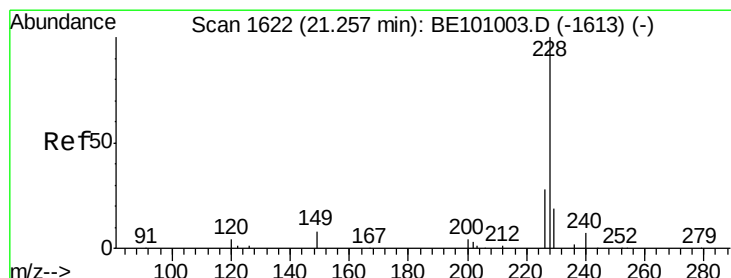
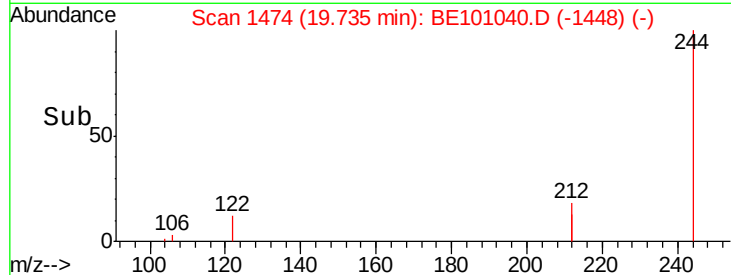
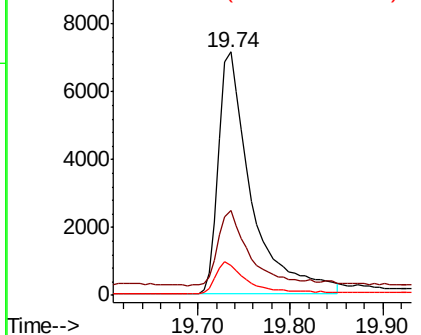
#29
 Terphenyl-d14
 Concen: 0.458 ng
 RT: 19.74 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: BE101040.D
 Acq: 13 Jan 2020 16:21

Instrument :
 BNA_E
 ClientSampleId :
 PB125976BS

Tot Ion:244 Resp: 17538
 Ion Ratio Lower Upper
 244 100
 212 35.1 27.2 40.8
 122 12.4 9.8 14.8

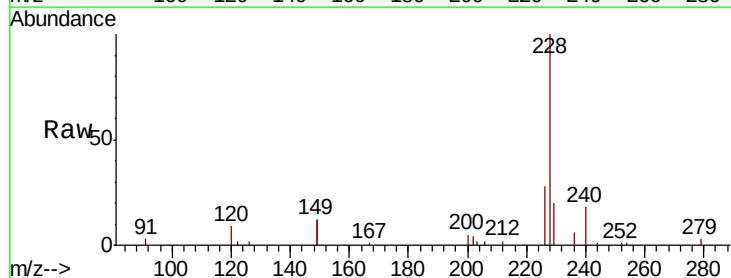


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

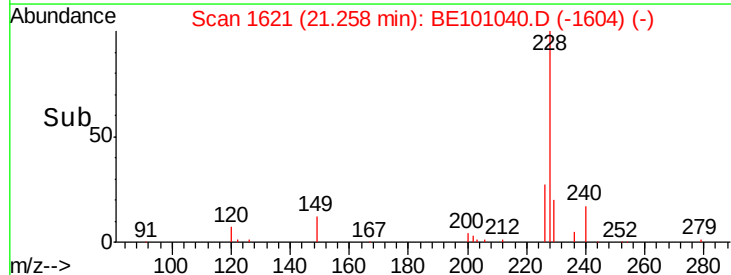
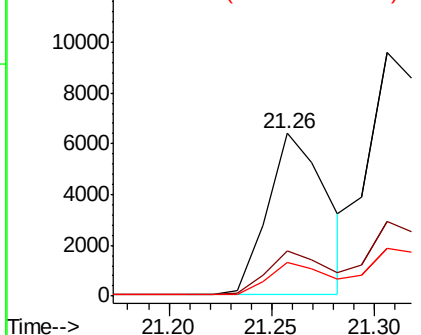


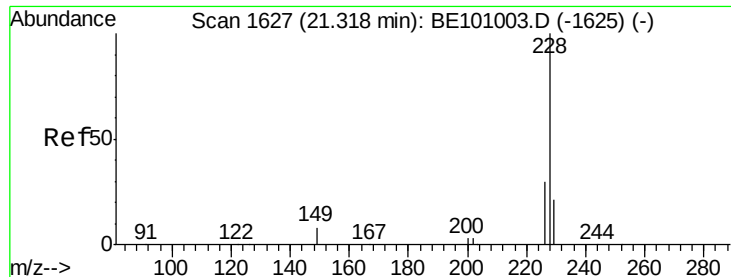
#30
 Benzo(a)anthracene
 Concen: 0.289 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: BE101040.D
 Acq: 13 Jan 2020 16:21

Tgt Ion:228 Resp: 12840
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.7 34.1
 229 20.4 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: 0.437 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

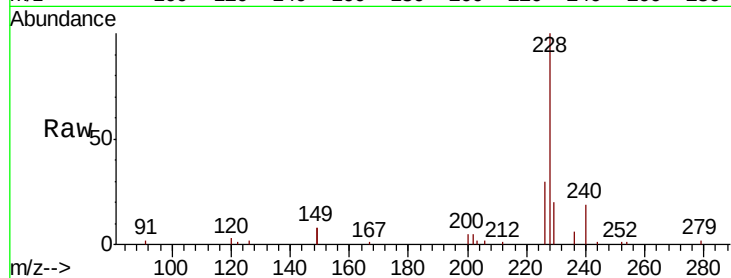
Tot Ion:228 Resp: 28893

Ion Ratio Lower Upper

228 100

226 30.5 23.5 35.3

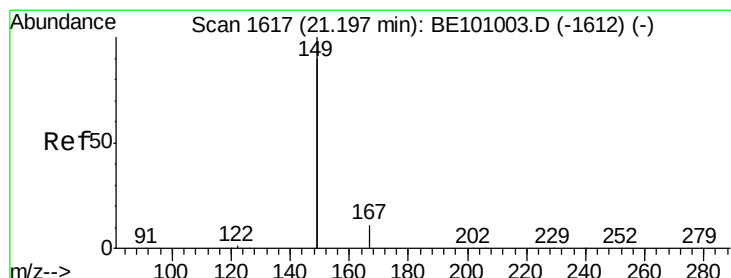
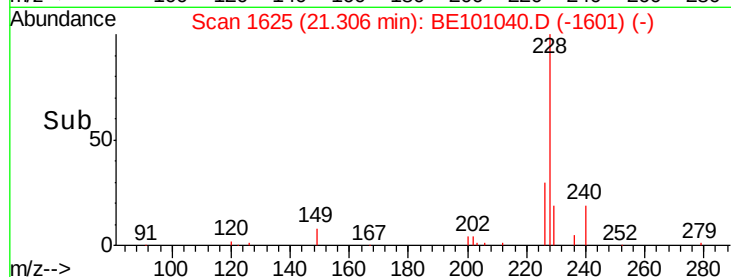
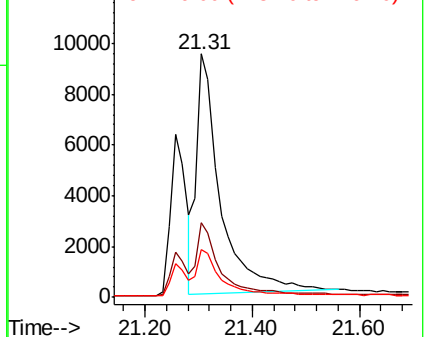
229 19.6 16.7 25.1



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: 0.305 ng

RT: 21.20 min Scan# 1616

Delta R.T. 0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

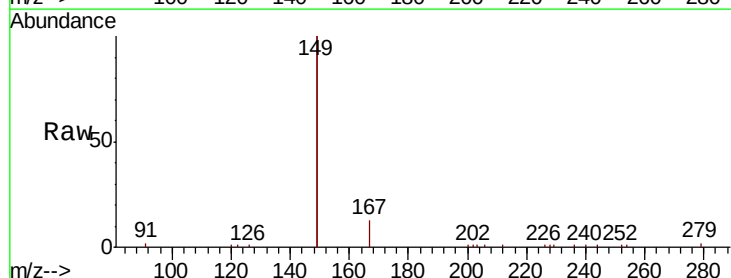
Tgt Ion:149 Resp: 22647

Ion Ratio Lower Upper

149 100

167 6.3 5.2 7.8

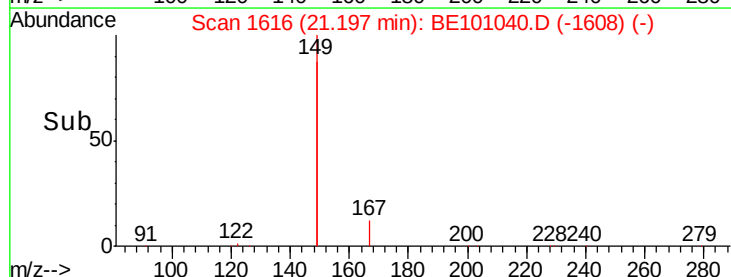
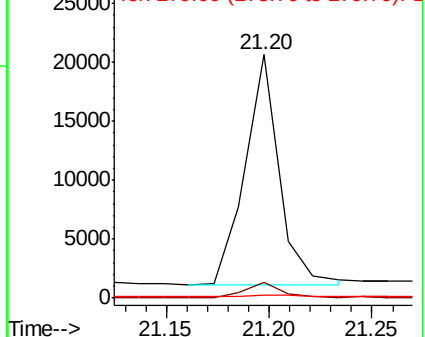
279 1.0 0.8 1.2

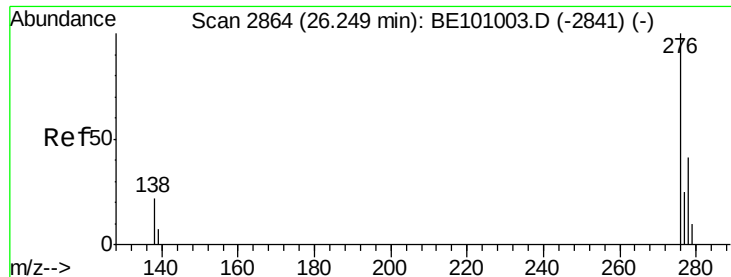


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.342 ng

RT: 26.24 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

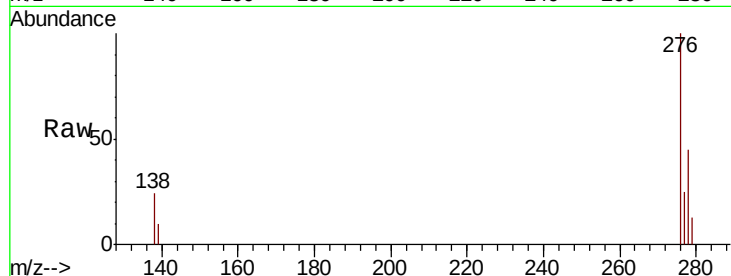
Tot Ion:276 Resp: 17888

Ion Ratio Lower Upper

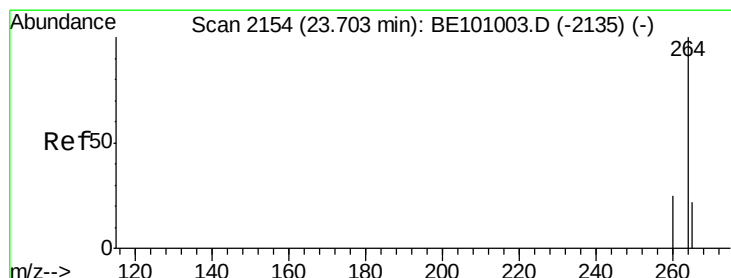
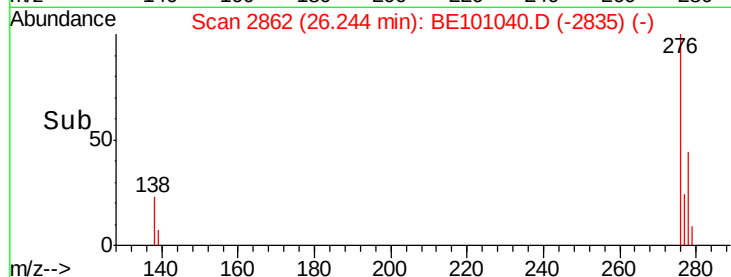
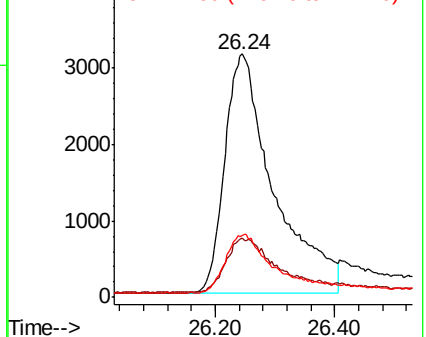
276 100

138 21.0 16.1 24.1

277 24.2 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: 23.70 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

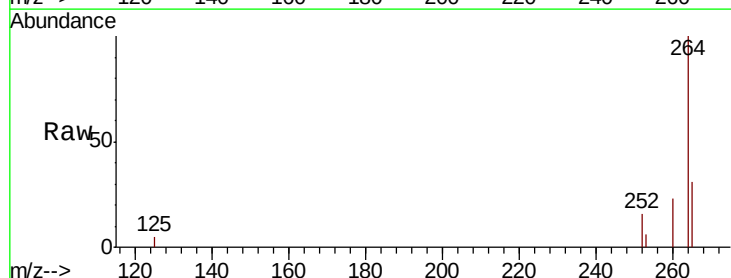
Tgt Ion:264 Resp: 15293

Ion Ratio Lower Upper

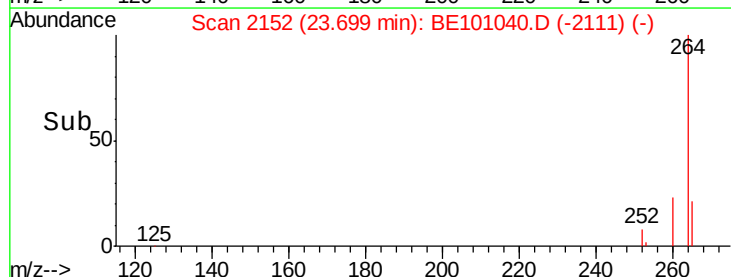
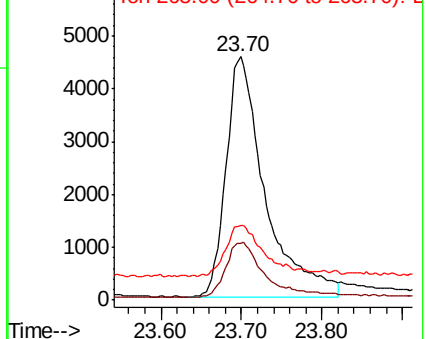
264 100

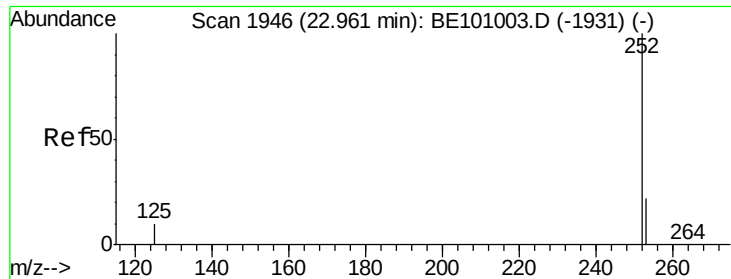
260 23.4 20.3 30.5

265 30.6 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

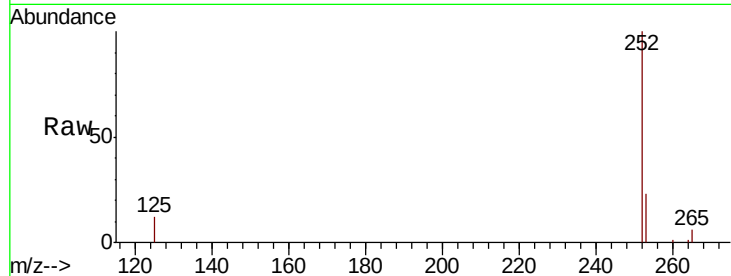




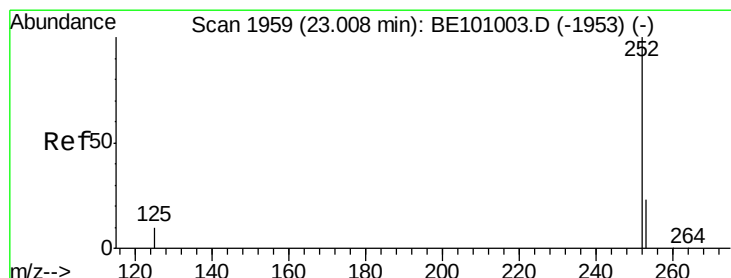
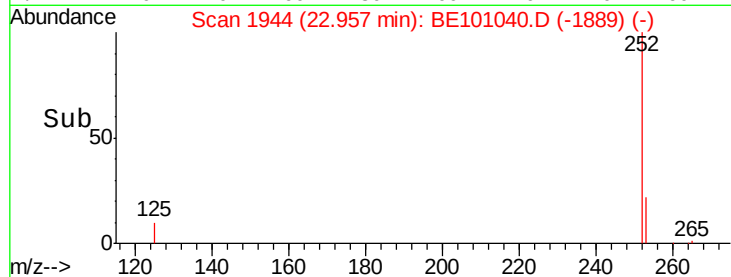
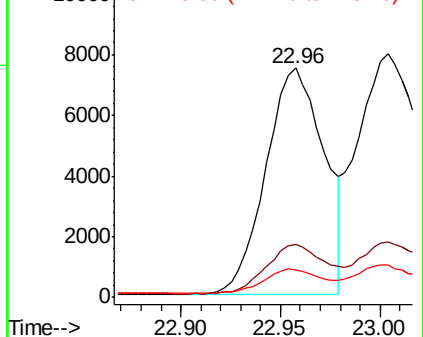
#35
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.96 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BE101040.D
Acq: 13 Jan 2020 16:21

Instrument :
BNA_E
ClientSampleId :
PB125976BS

Tot Ion:252 Resp: 15222
Ion Ratio Lower Upper
252 100
253 22.9 18.5 27.7
125 11.7 9.5 14.3

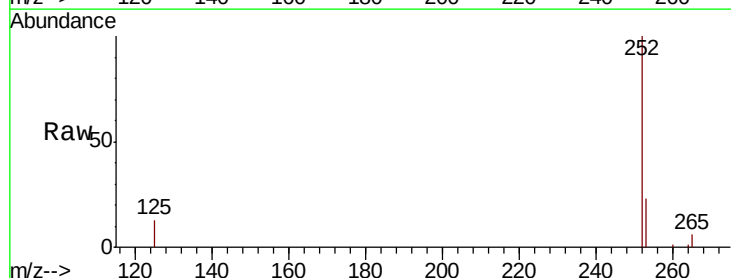


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

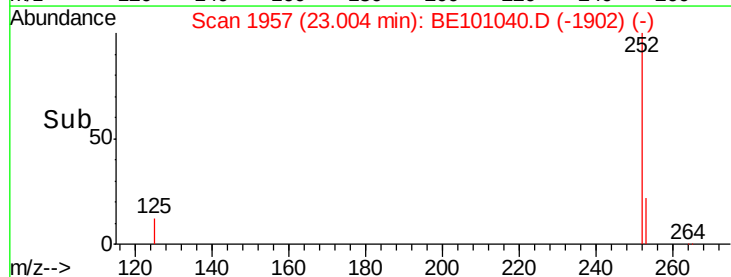
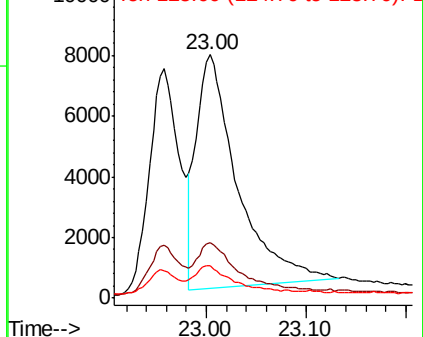


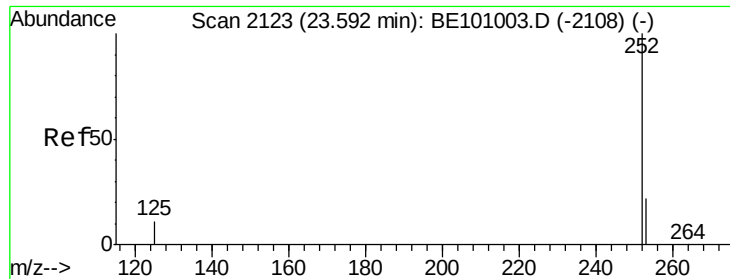
#36
Benzo(k)fluoranthene
Concen: 0.353 ng
RT: 23.00 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BE101040.D
Acq: 13 Jan 2020 16:21

Tgt Ion:252 Resp: 21928
Ion Ratio Lower Upper
252 100
253 22.8 18.9 28.3
125 13.1 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: 0.371 ng

RT: 23.59 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

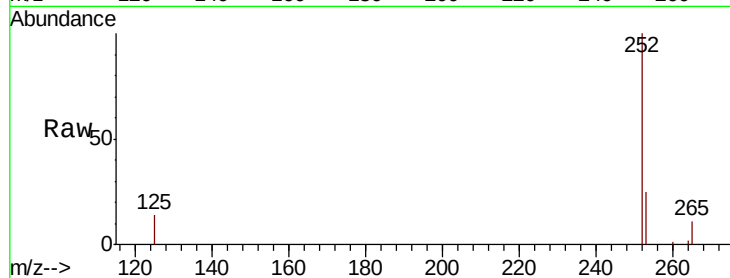
Tot Ion:252 Resp: 15380

Ion Ratio Lower Upper

252 100

253 24.9 19.4 29.2

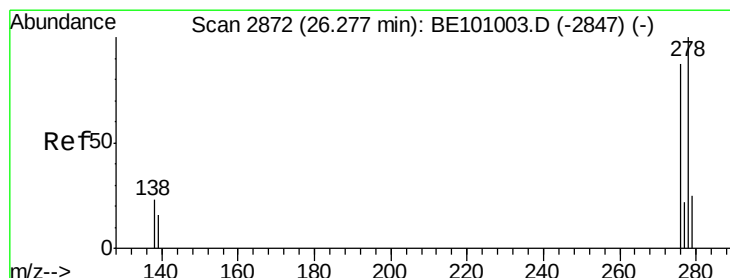
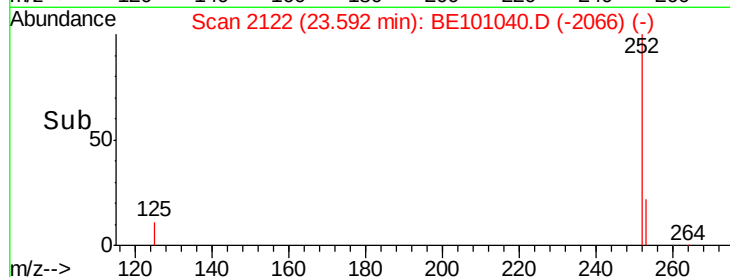
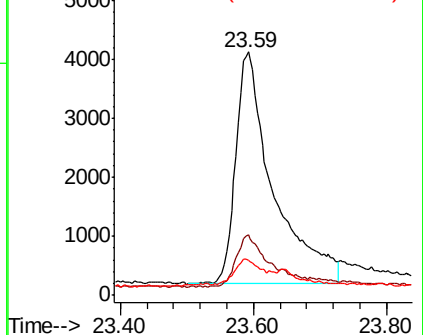
125 14.3 11.8 17.6



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: 0.347 ng

RT: 26.27 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

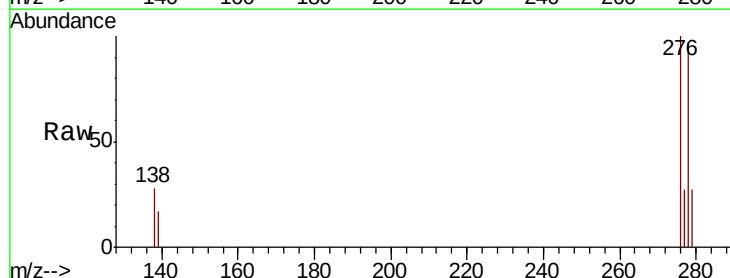
Tgt Ion:278 Resp: 13236

Ion Ratio Lower Upper

278 100

139 17.9 15.0 22.4

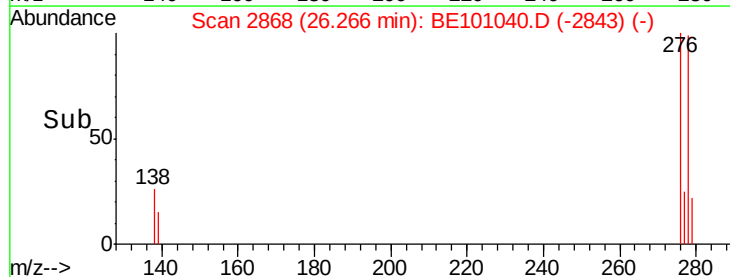
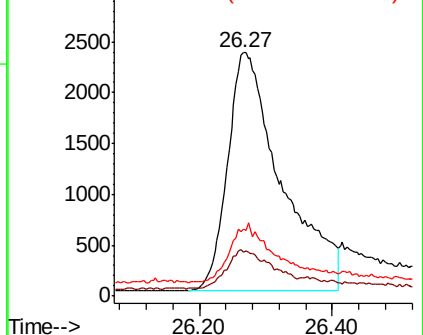
279 27.5 22.6 33.8

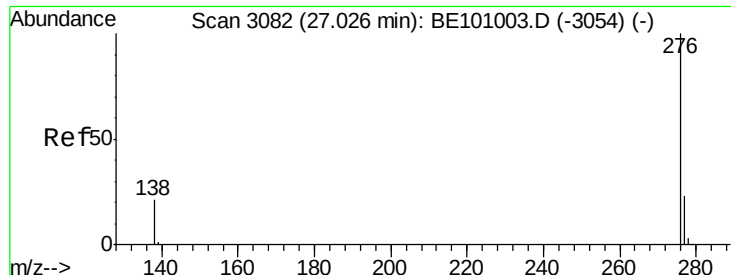


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.404 ng

RT: 27.01 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BE101040.D

Acq: 13 Jan 2020 16:21

Instrument :

BNA_E

ClientSampleId :

PB125976BS

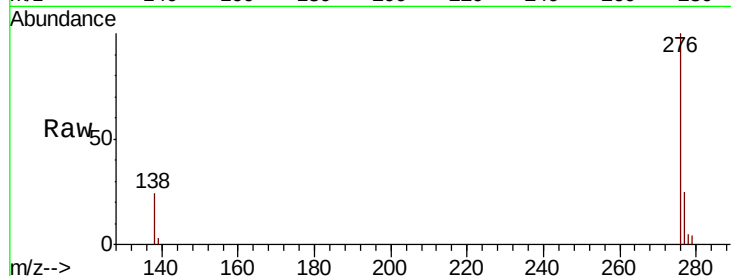
Tot Ion: 276 Resp: 18971

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.2

138 23.6 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

