

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
 Data File : BE101048.D
 Acq On : 14 Jan 2020 11:56
 Operator : JU
 Sample : PB126047BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 14 20:41:39 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	3189	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	14841	0.40	ng	0.00
13) Acenaphthene-d10	14.35	164	9131	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	20845	0.40	ng	0.00
27) Chrysene-d12	21.28	240	16250	0.40	ng	0.00
34) Perylene-d12	23.69	264	18628	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	2490	0.35	ng	0.00
5) Phenol-d6	6.92	99	3157	0.35	ng	0.00
8) Nitrobenzene-d5	8.87	82	3188	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	11578	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	711	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	14215	0.41	ng	0.00
25) Fluoranthene-d10	19.13	212	105875	0.37	ng	0.00
29) Terphenyl-d14	19.74	244	16774	0.42	ng	0.00

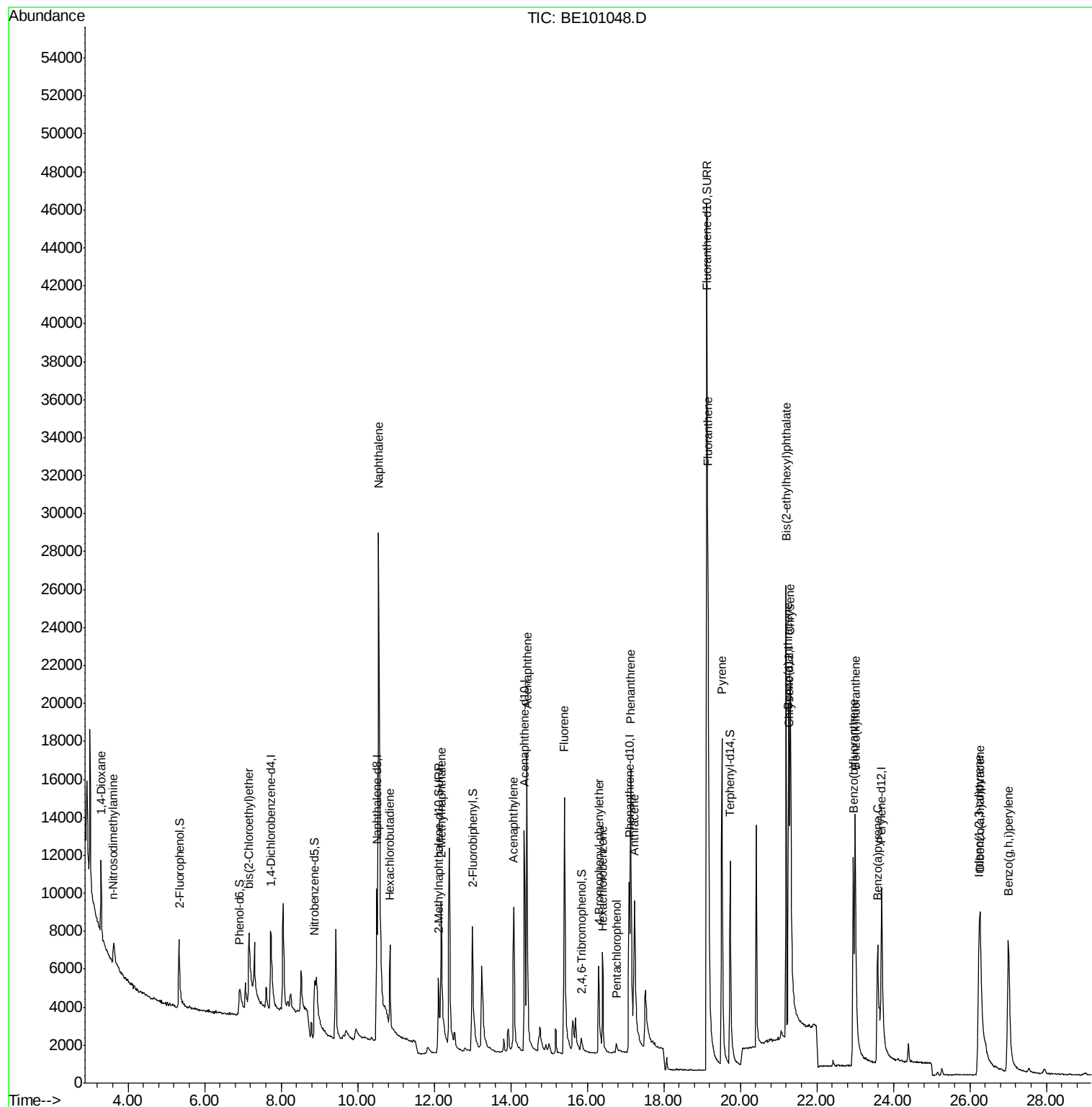
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	2983	0.382	ng	97
3) n-Nitrosodimethylamine	3.61	42	1095	0.247	ng	# 95
6) bis(2-Chloroethyl)ether	7.16	93	3352	0.310	ng	97
9) Naphthalene	10.55	128	67850	0.412	ng	100
10) Hexachlorobutadiene	10.85	225	2993	0.429	ng	97
12) 2-Methylnaphthalene	12.18	142	9904	0.397	ng	98
16) Acenaphthylene	14.08	152	12783	0.344	ng	100
17) Acenaphthene	14.43	154	10725	0.403	ng	99
18) Fluorene	15.39	166	13244	0.394	ng	99
20) 4-Bromophenyl-phenylether	16.30	248	3798	0.374	ng	96
21) Hexachlorobenzene	16.41	284	4406	0.395	ng	99
22) Pentachlorophenol	16.76	266	579	0.398	ng	91
23) Phenanthrene	17.13	178	22169	0.389	ng	99
24) Anthracene	17.23	178	19836	0.369	ng	99
26) Fluoranthene	19.16	202	25731	0.361	ng	99
28) Pyrene	19.52	202	25964	0.429	ng	99
30) Benzo(a)anthracene	21.26	228	15282	0.330	ng	97
31) Chrysene	21.31	228	31102	0.451	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	25091	0.325	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	22055	0.405	ng	# 88
35) Benzo(b)fluoranthene	22.95	252	16889	0.323	ng	99
36) Benzo(k)fluoranthene	23.00	252	28339	0.374	ng	97
37) Benzo(a)pyrene	23.59	252	18301	0.362	ng	99
38) Dibenzo(a,h)anthracene	26.27	278	16868	0.363	ng	98
39) Benzo(g,h,i)perylene	27.01	276	21423	0.375	ng	99

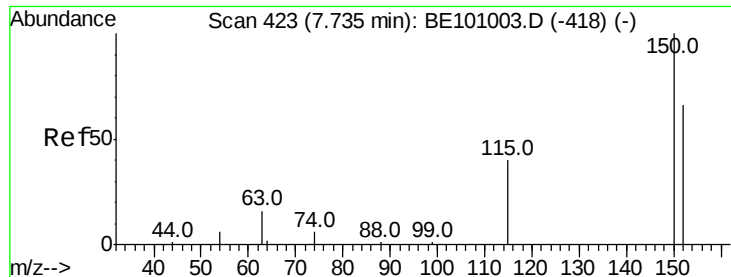
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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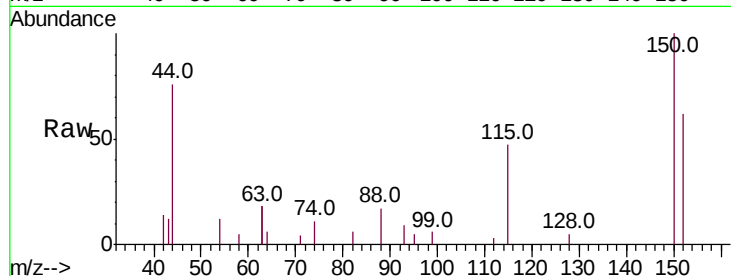


#1

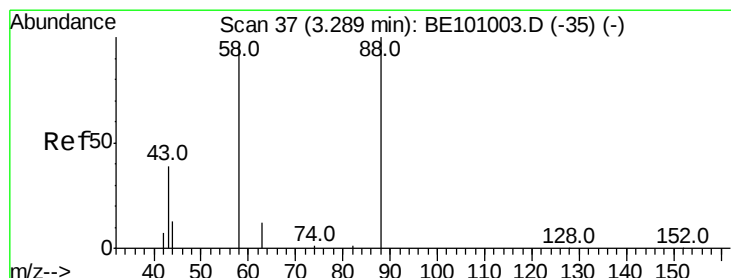
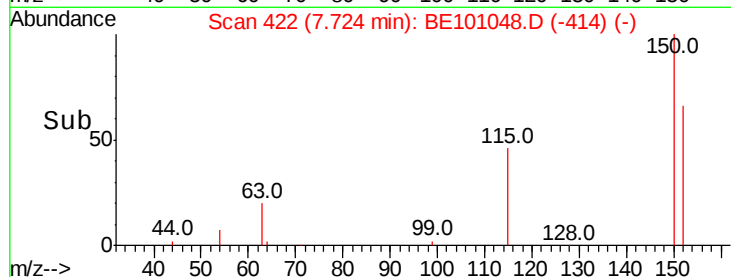
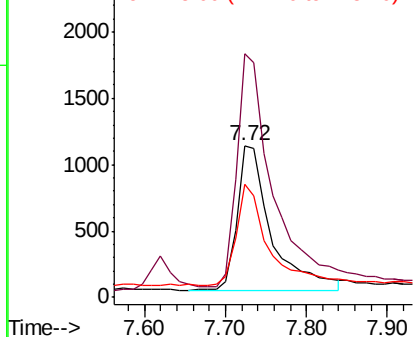
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.72 min Scan# 422
 Delta R.T. -0.01 min
 Lab File: BE101048.D
 Acq: 14 Jan 2020 11:56

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:152 Resp: 3189
 Ion Ratio Lower Upper
 152 100
 150 160.1 120.3 180.5
 115 74.5 51.7 77.5



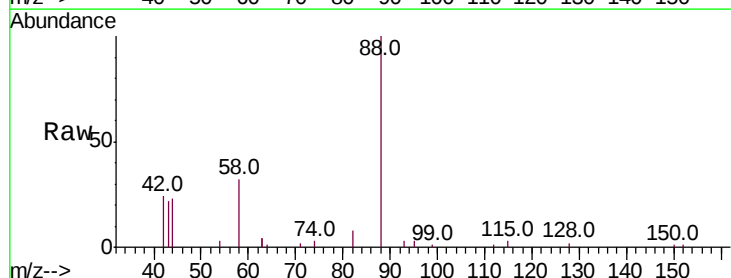
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



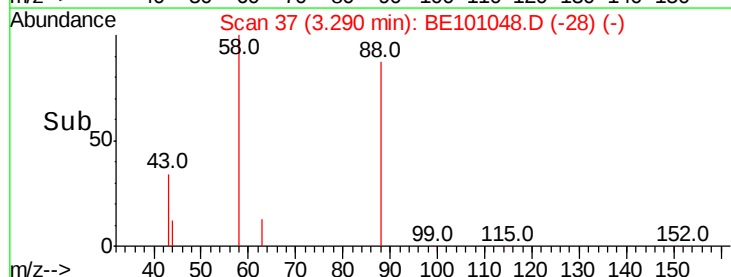
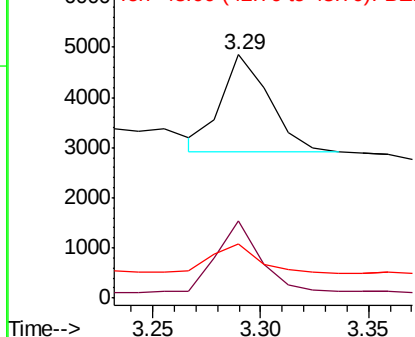
#2

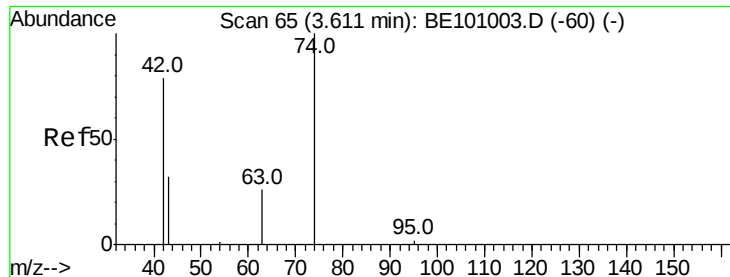
1,4-Dioxane
 Concen: 0.382 ng
 RT: 3.29 min Scan# 37
 Delta R.T. 0.00 min
 Lab File: BE101048.D
 Acq: 14 Jan 2020 11:56

Tgt Ion: 88 Resp: 2983
 Ion Ratio Lower Upper
 88 100
 58 68.4 53.0 79.4
 43 30.9 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: 0.247 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

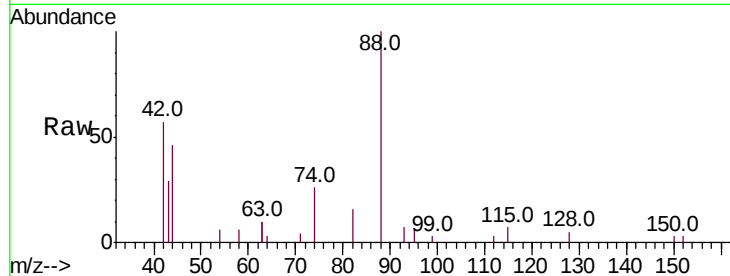
Tot Ion: 42 Resp: 1095

Ion Ratio Lower Upper

42 100

74 134.5 105.7 158.5

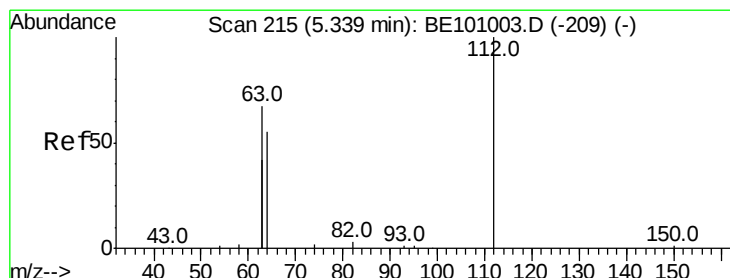
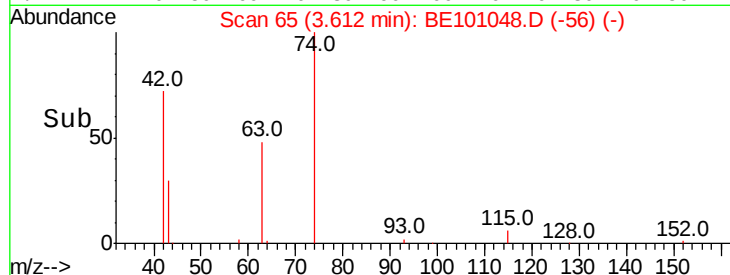
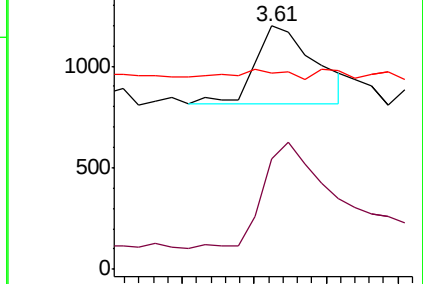
44 0.0 10.0 15.0#



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: 0.347 ng

RT: 5.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

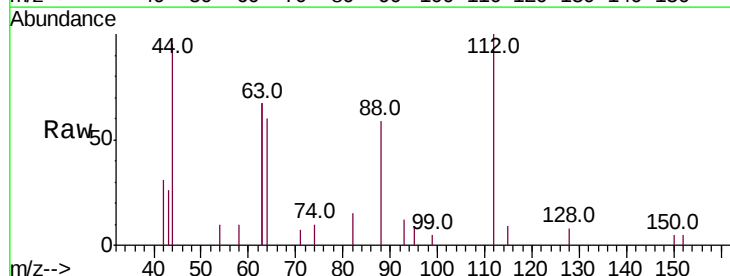
Tgt Ion: 112 Resp: 2490

Ion Ratio Lower Upper

112 100

64 68.4 53.6 80.4

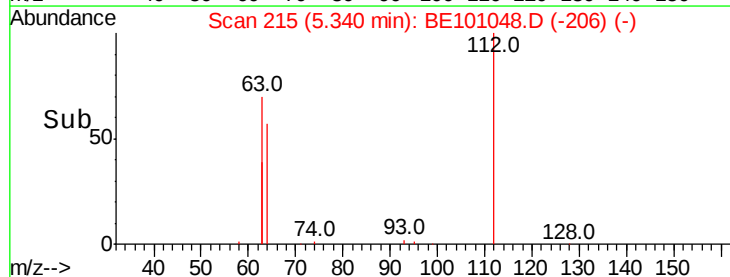
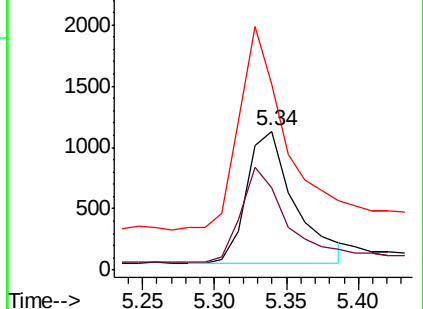
63 152.2 114.6 172.0

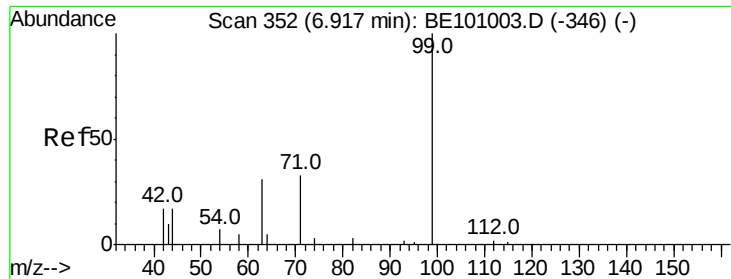


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.348 ng

RT: 6.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampled :

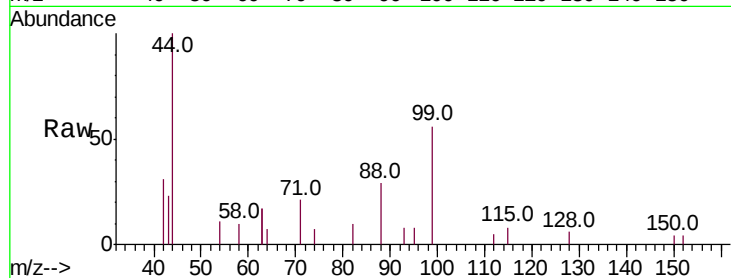
Tot Ion: 99 Resp: 3157

Ion Ratio Lower Upper

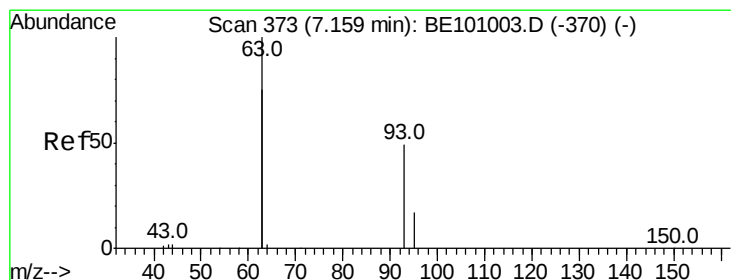
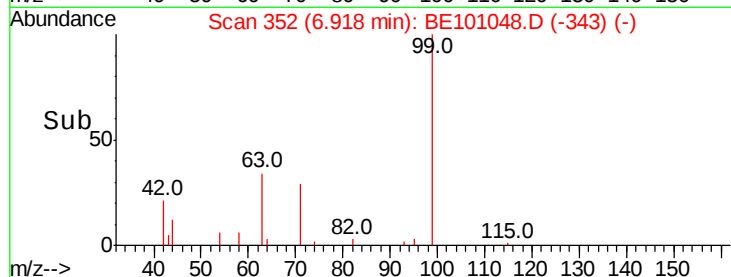
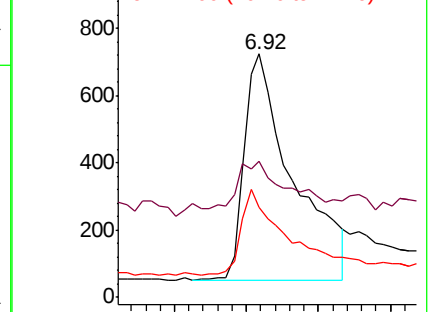
99 100

42 20.4 18.3 27.5

71 35.6 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: 0.310 ng

RT: 7.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

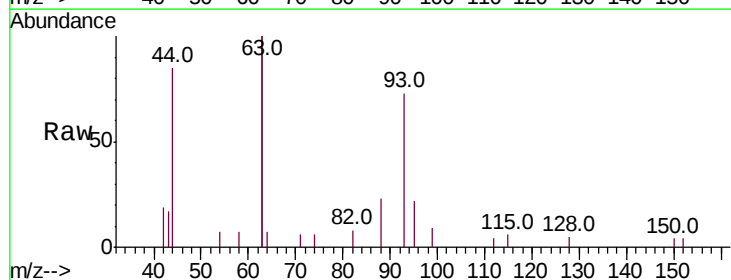
Tgt Ion: 93 Resp: 3352

Ion Ratio Lower Upper

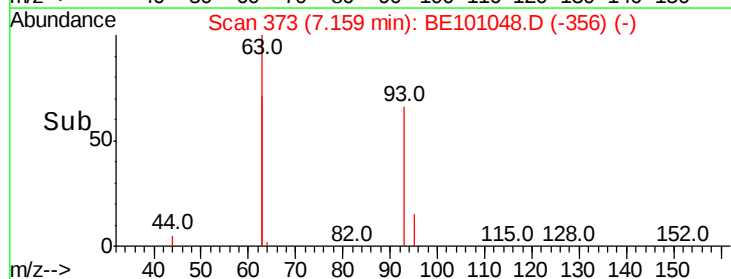
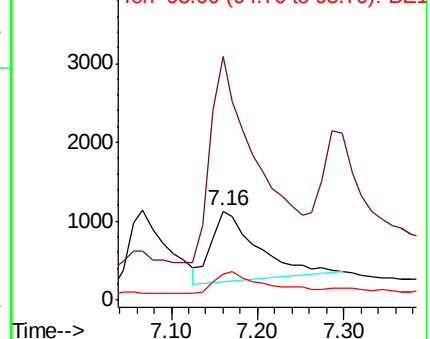
93 100

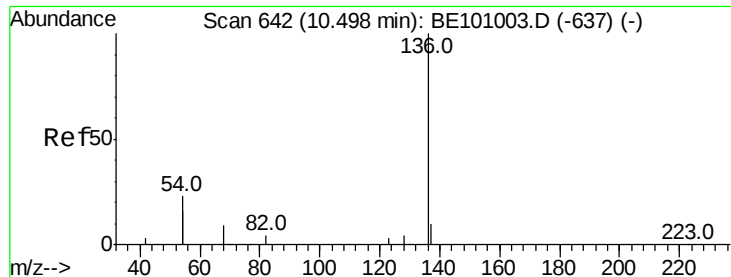
63 297.9 233.9 350.9

95 33.4 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: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14841

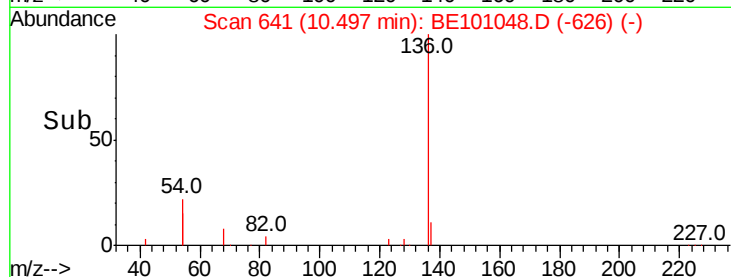
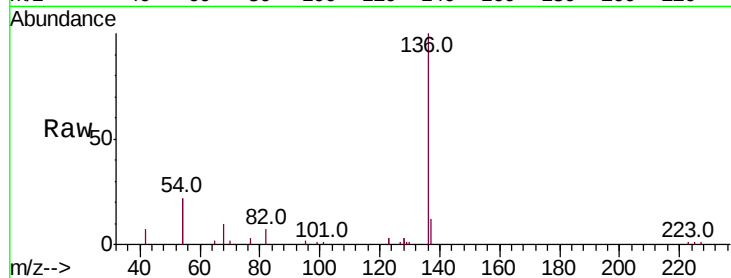
Ion Ratio Lower Upper

136 100

137 12.2 9.3 13.9

54 44.4 36.8 55.2

68 9.8 8.4 12.6

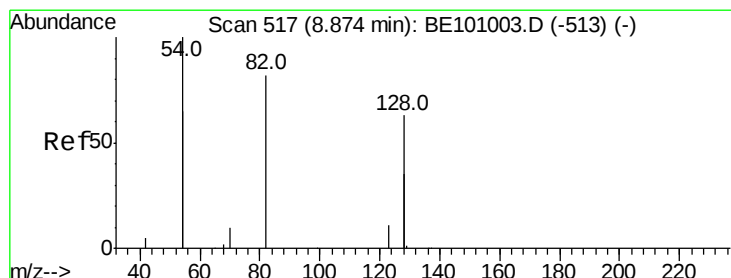
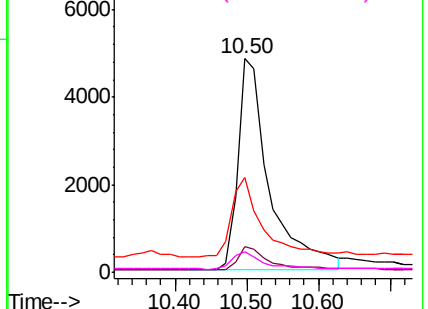


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.300 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

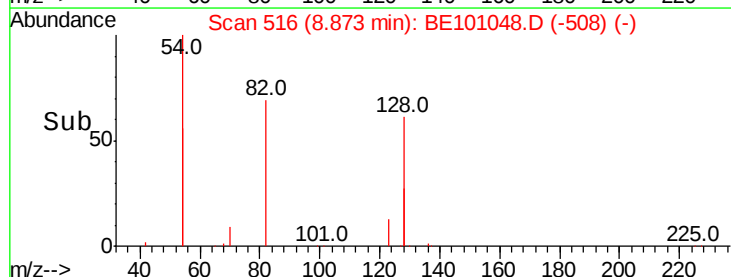
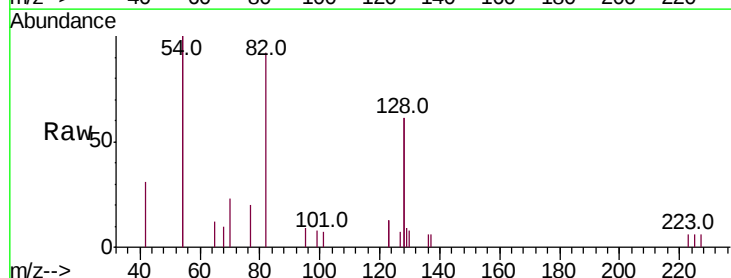
Tgt Ion: 82 Resp: 3188

Ion Ratio Lower Upper

82 100

128 134.0 109.8 164.6

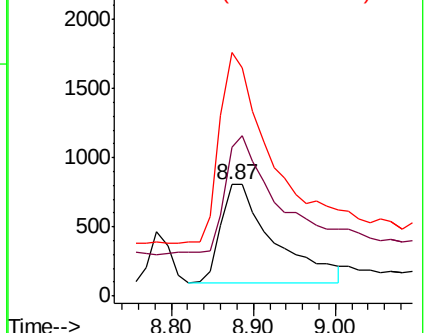
54 218.4 174.5 261.7

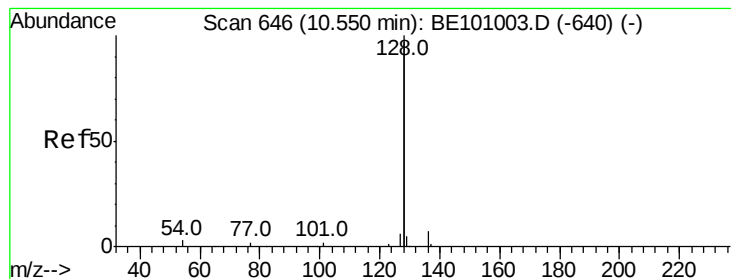


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.412 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

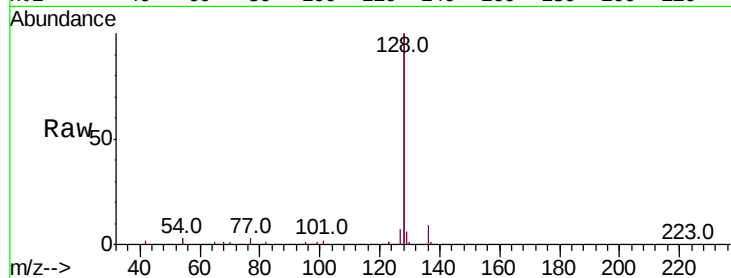
Tot Ion:128 Resp: 67850

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

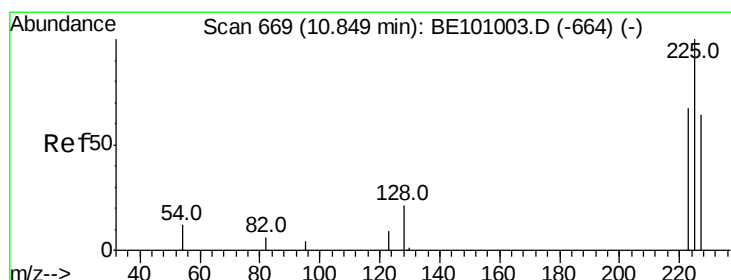
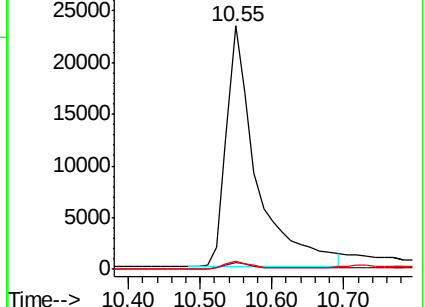
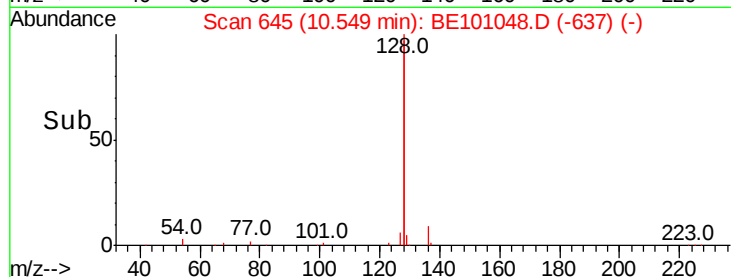
127 3.4 2.7 4.1



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: 0.429 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

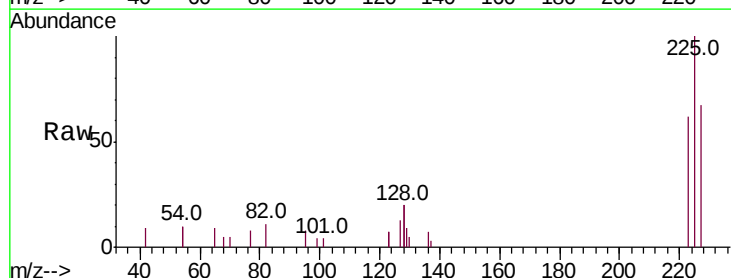
Tgt Ion:225 Resp: 2993

Ion Ratio Lower Upper

225 100

223 62.7 52.2 78.4

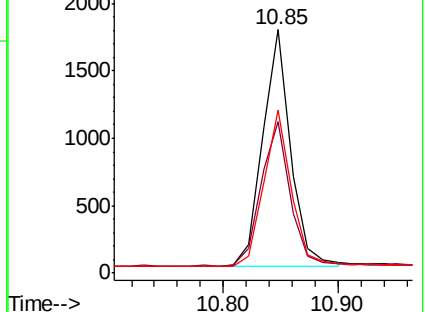
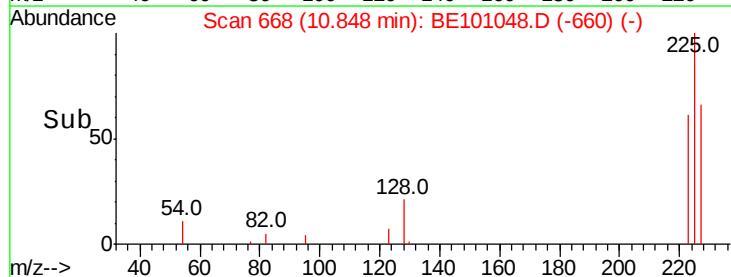
227 65.2 49.9 74.9

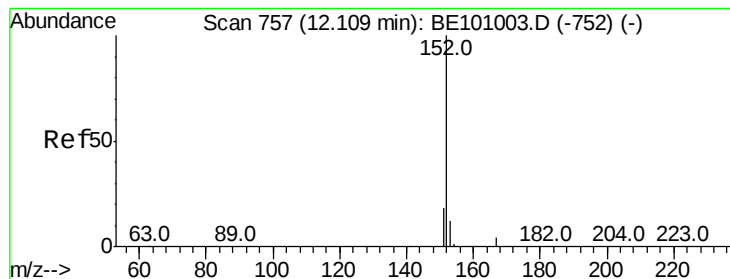


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.409 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

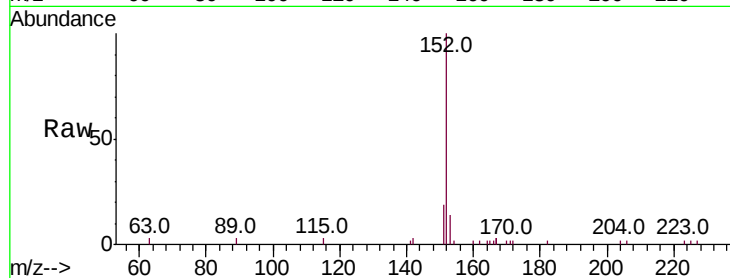
ClientSampleId :

Tot Ion:152 Resp: 11578

Ion Ratio Lower Upper

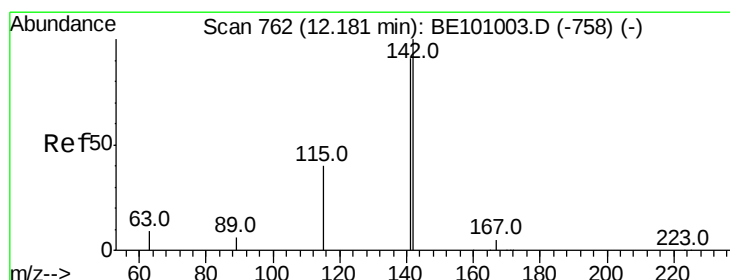
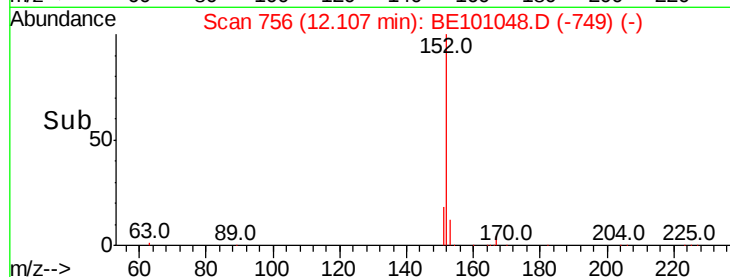
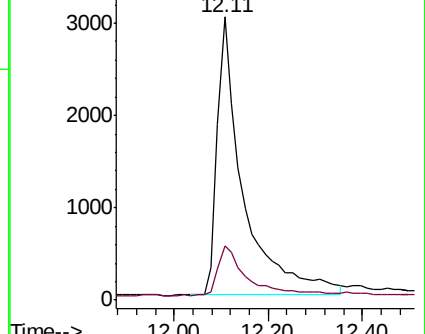
152 100

151 19.5 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: 0.397 ng

RT: 12.18 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

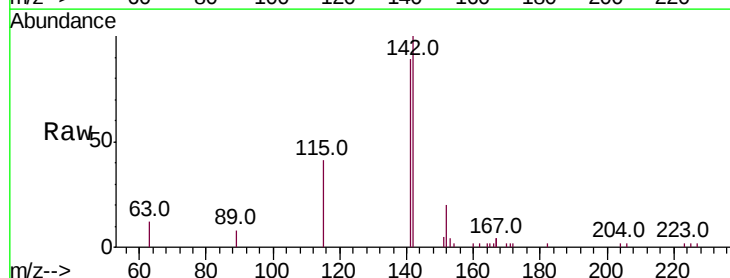
Tgt Ion:142 Resp: 9904

Ion Ratio Lower Upper

142 100

141 88.6 72.5 108.7

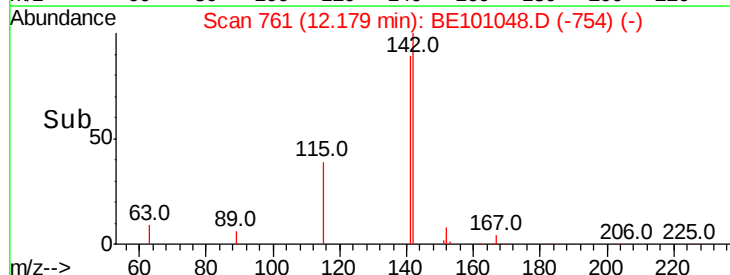
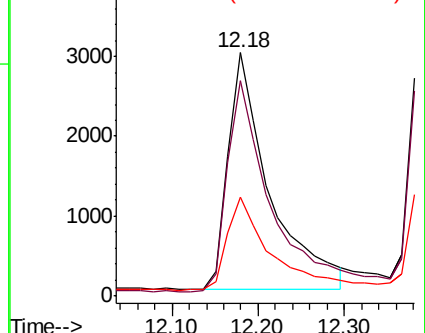
115 40.6 33.0 49.6

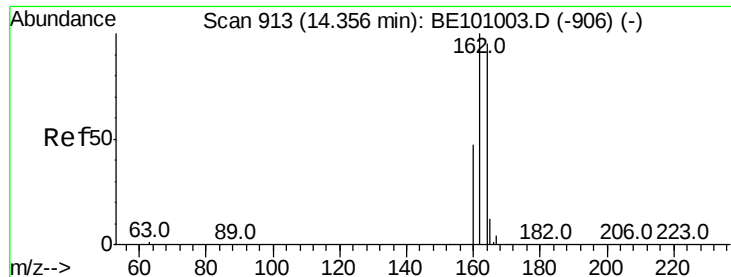


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

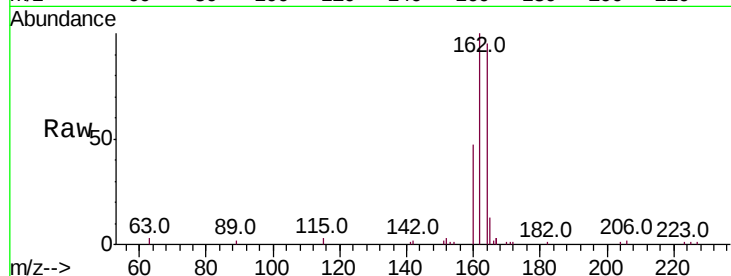




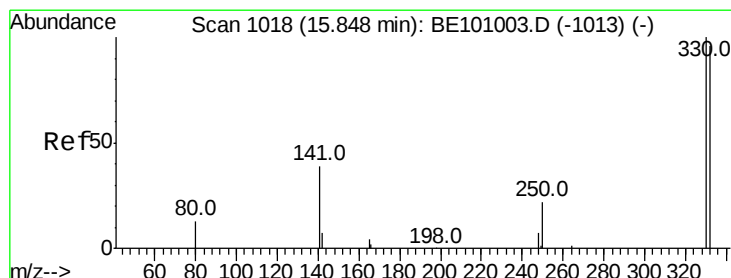
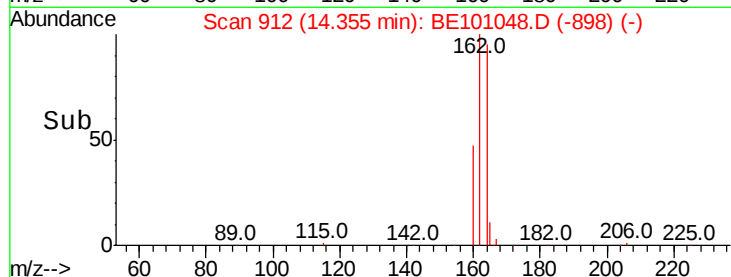
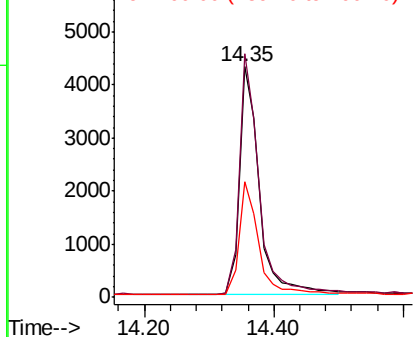
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.35 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101048.D
Acq: 14 Jan 2020 11:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 9131
Ion Ratio Lower Upper
164 100
162 105.5 84.1 126.1
160 50.1 40.4 60.6

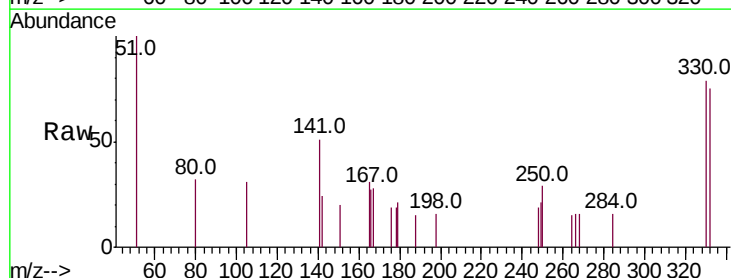


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

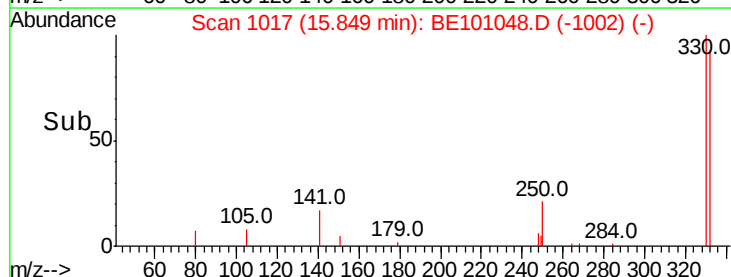
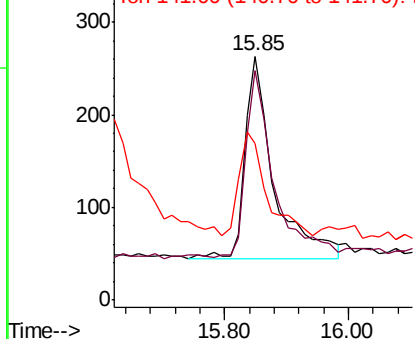


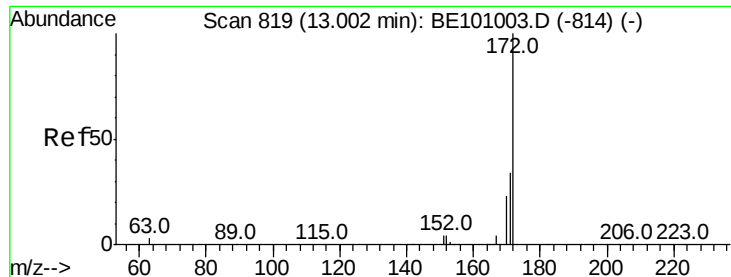
#14
2,4,6-Tribromophenol
Concen: 0.276 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101048.D
Acq: 14 Jan 2020 11:56

Tgt Ion:330 Resp: 711
Ion Ratio Lower Upper
330 100
332 89.9 78.4 117.6
141 48.5 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

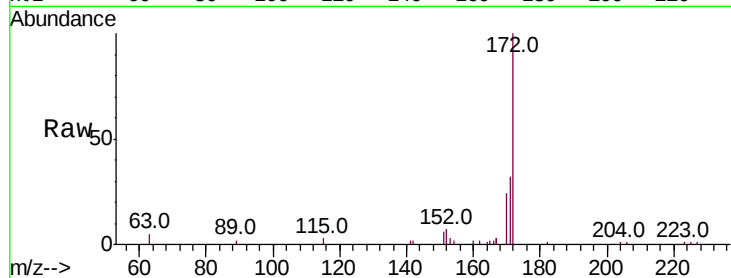




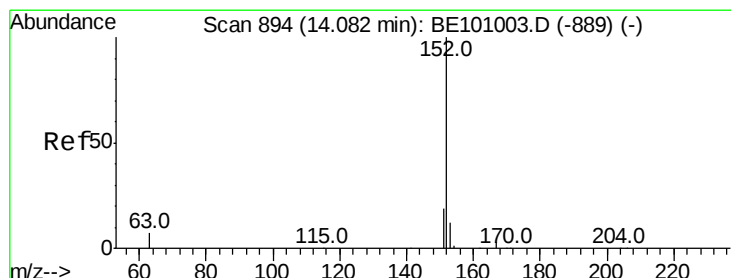
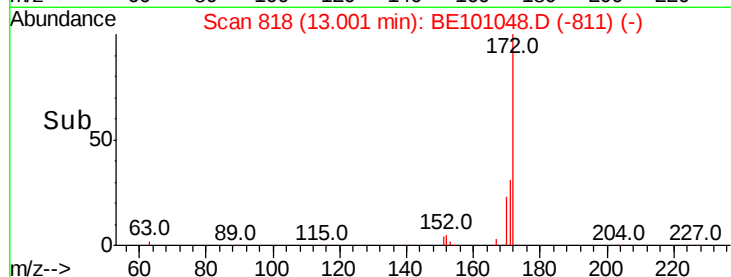
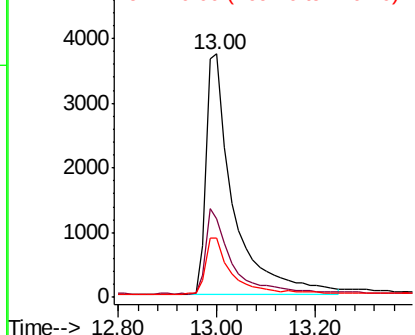
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 13.00 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE101048.D
Acq: 14 Jan 2020 11:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 14215
Ion Ratio Lower Upper
172 100
171 32.2 28.2 42.2
170 24.2 18.9 28.3

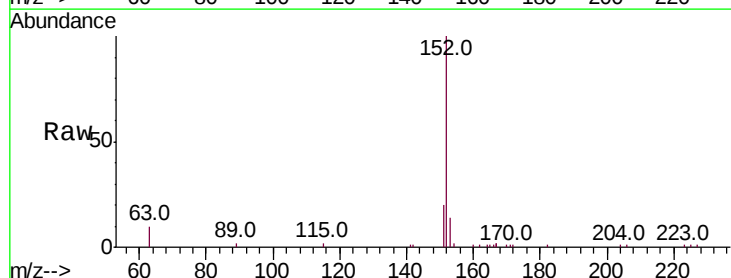


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

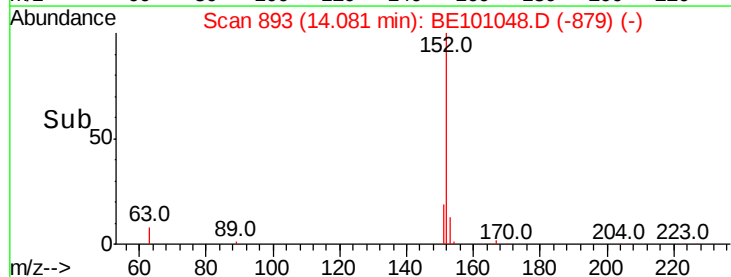
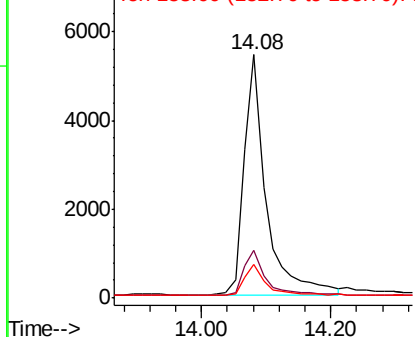


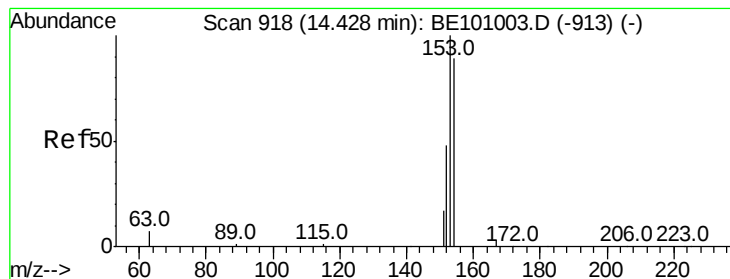
#16
Acenaphthylene
Concen: 0.344 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101048.D
Acq: 14 Jan 2020 11:56

Tgt Ion:152 Resp: 12783
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.1 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: 0.403 ng

RT: 14.43 min Scan# 917

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

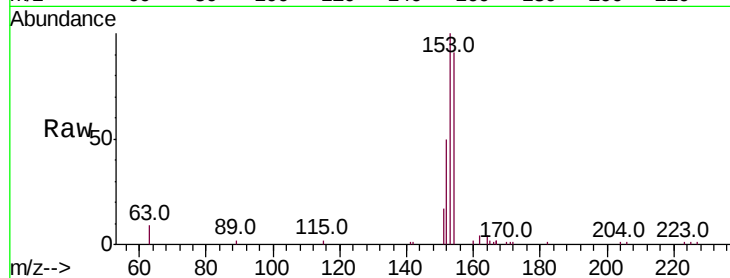
Tot Ion:154 Resp: 10725

Ion Ratio Lower Upper

154 100

153 115.5 93.6 140.4

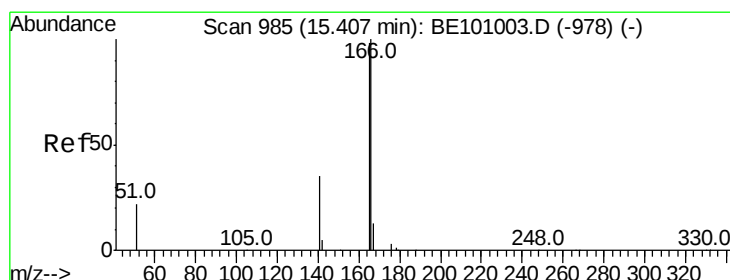
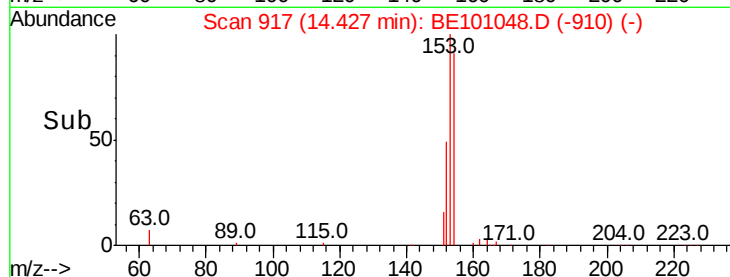
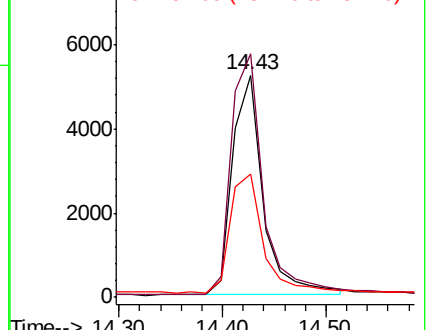
152 58.0 46.3 69.5



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: 0.394 ng

RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

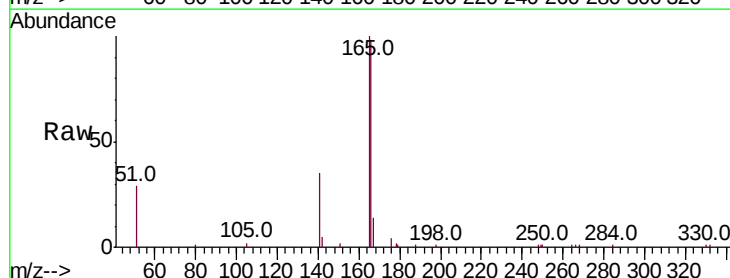
Tgt Ion:166 Resp: 13244

Ion Ratio Lower Upper

166 100

165 99.0 79.8 119.8

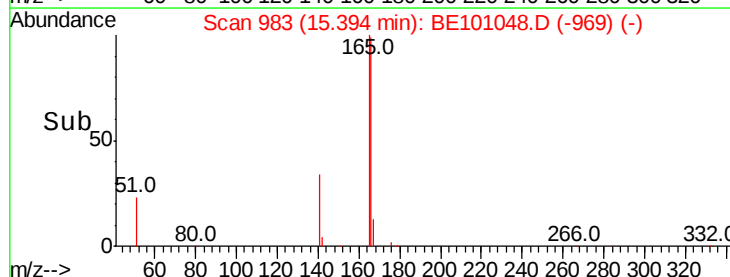
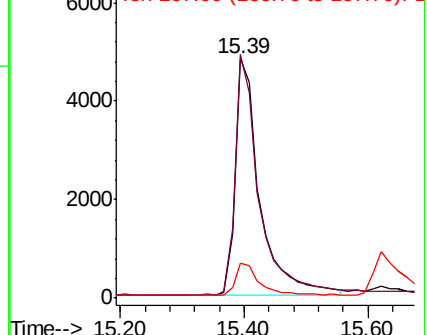
167 13.5 11.0 16.6

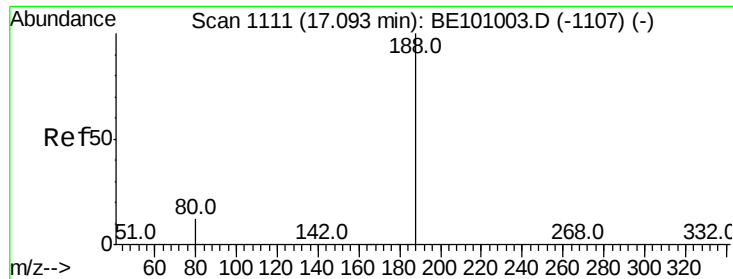


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampled :

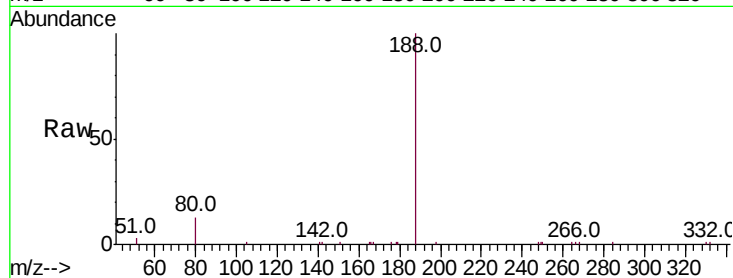
Tot Ion:188 Resp: 20845

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

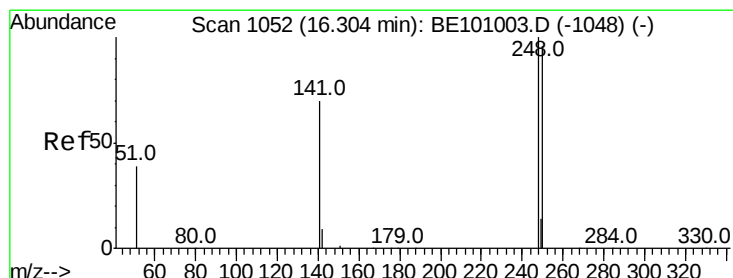
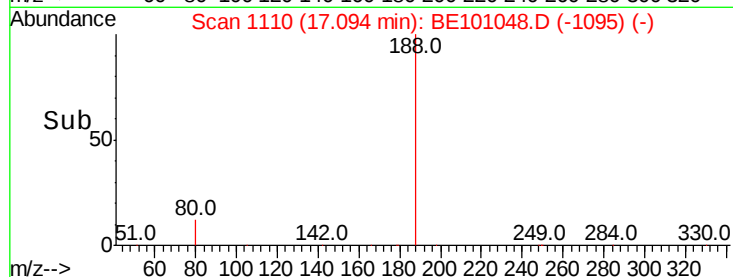
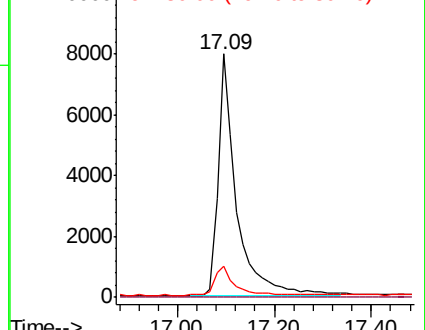
80 12.7 10.8 16.2



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: 0.374 ng

RT: 16.30 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

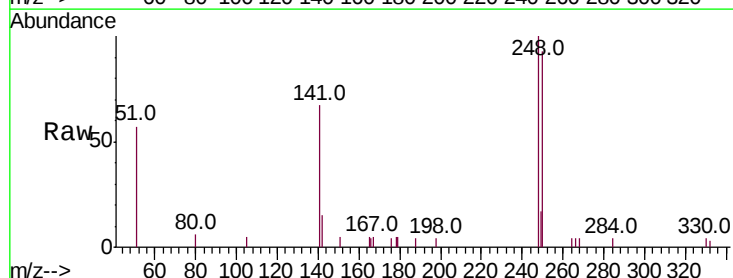
Tgt Ion:248 Resp: 3798

Ion Ratio Lower Upper

248 100

250 92.5 76.6 115.0

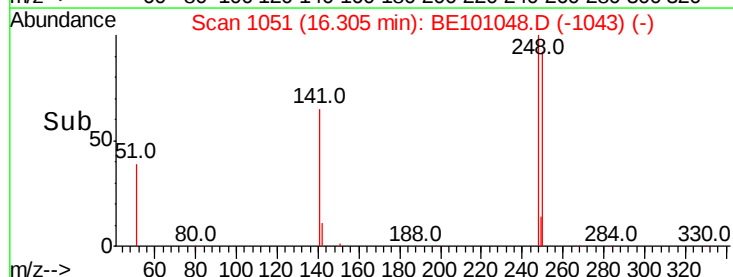
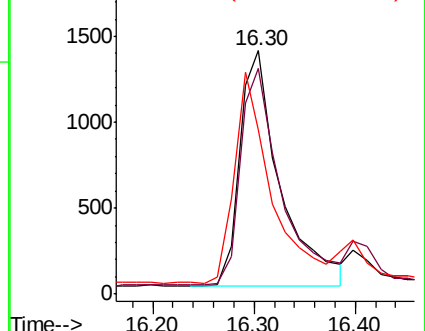
141 67.4 57.7 86.5

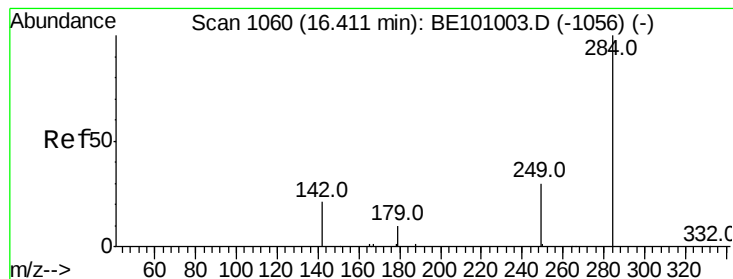


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.395 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

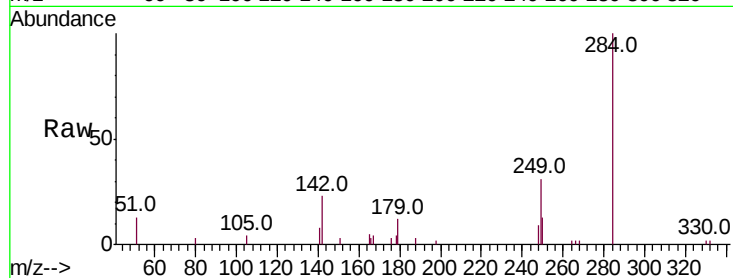
Tot Ion:284 Resp: 4406

Ion Ratio Lower Upper

284 100

142 42.9 34.0 51.0

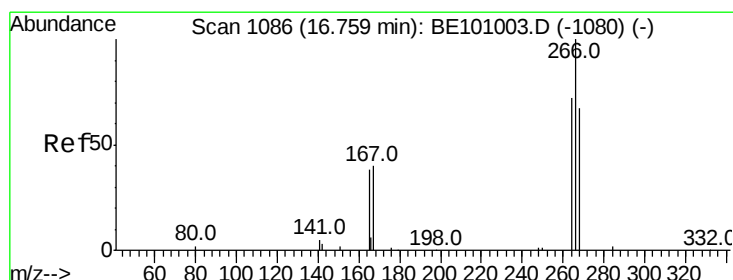
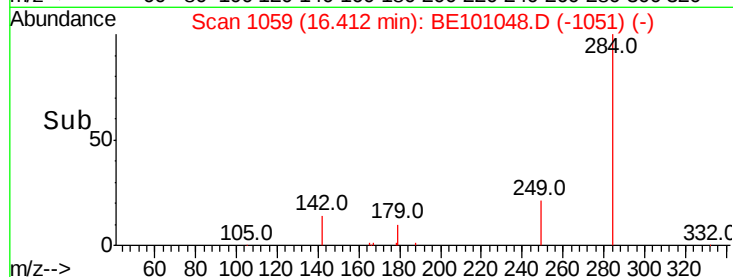
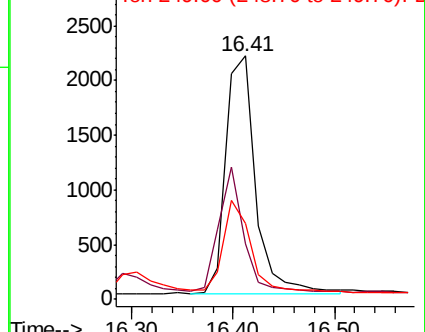
249 34.5 28.2 42.4



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: 0.398 ng

RT: 16.76 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

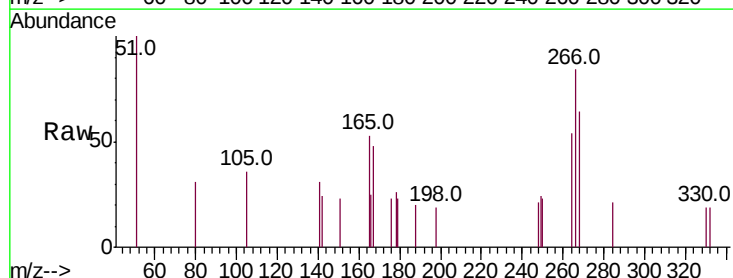
Tgt Ion:266 Resp: 579

Ion Ratio Lower Upper

266 100

264 64.4 61.0 91.4

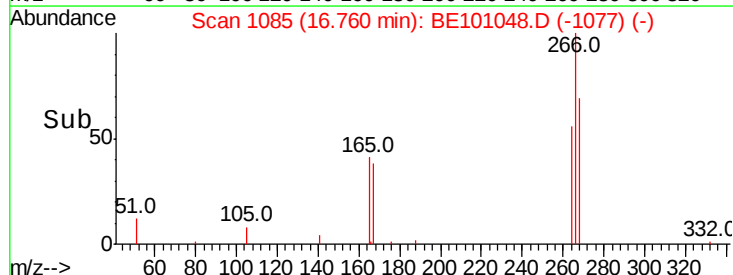
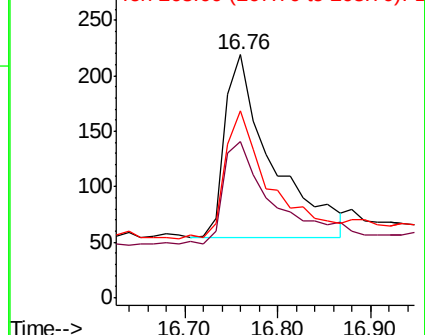
268 76.7 58.5 87.7

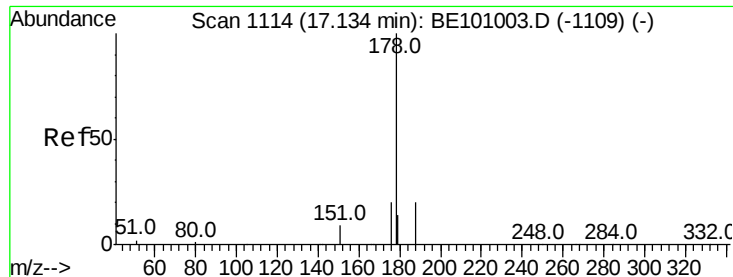


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.389 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

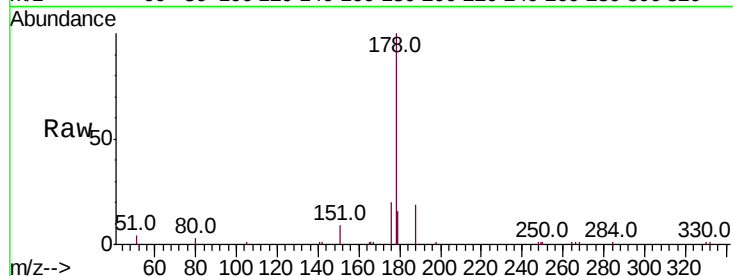
Tot Ion:178 Resp: 22169

Ion Ratio Lower Upper

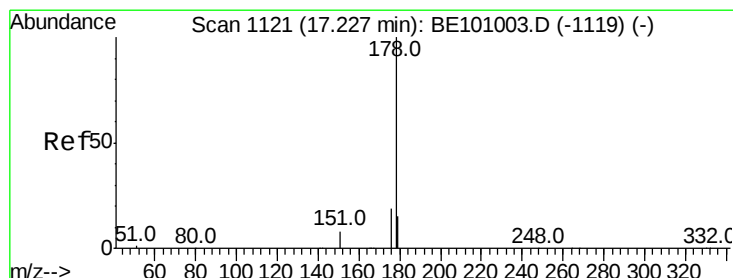
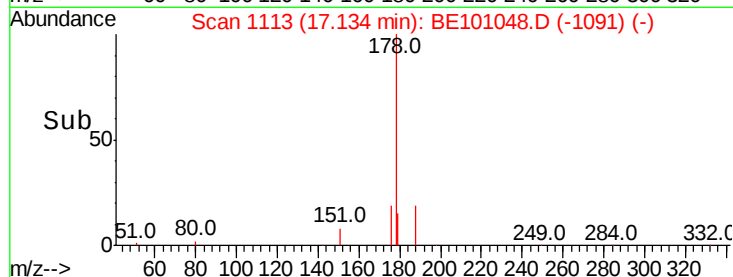
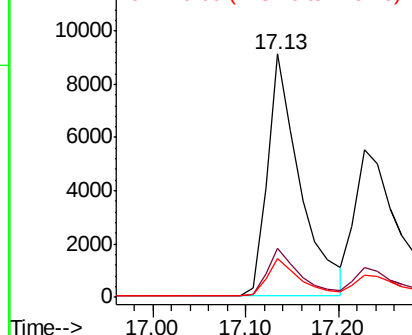
178 100

176 19.5 15.7 23.5

179 15.5 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: 0.369 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

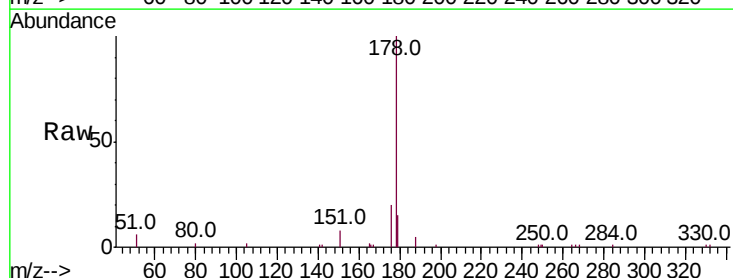
Tgt Ion:178 Resp: 19836

Ion Ratio Lower Upper

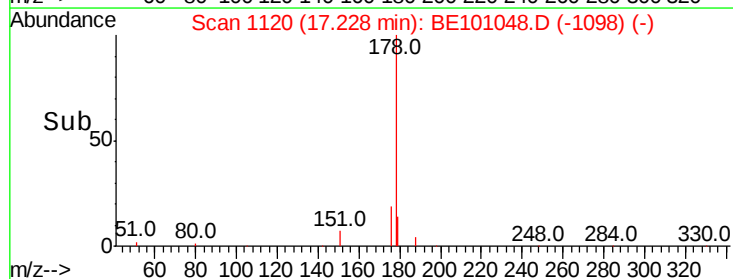
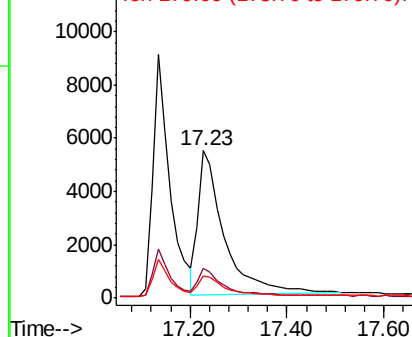
178 100

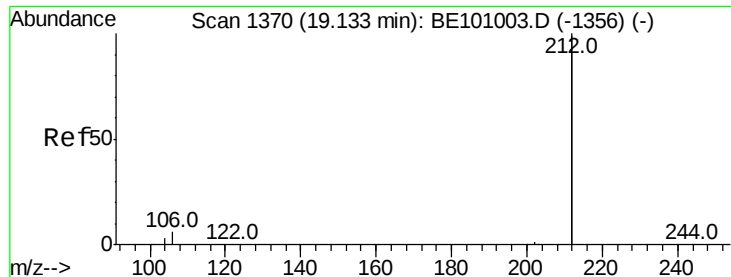
176 18.7 14.8 22.2

179 14.9 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: 0.366 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

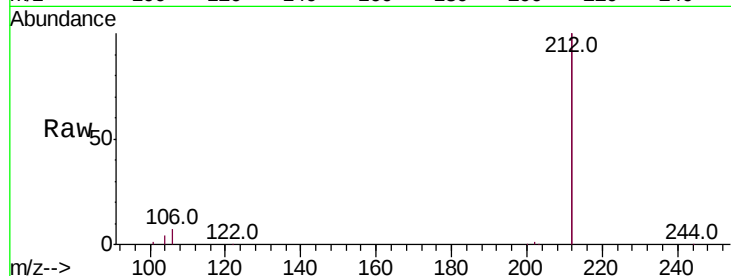
Tot Ion:212 Resp: 105875

Ion Ratio Lower Upper

212 100

106 3.2 2.6 3.8

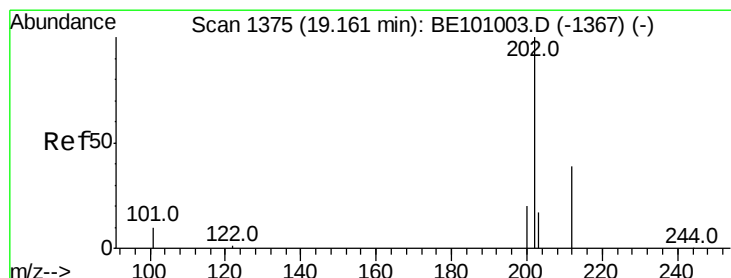
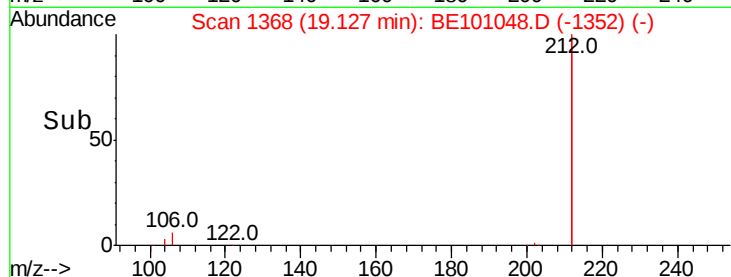
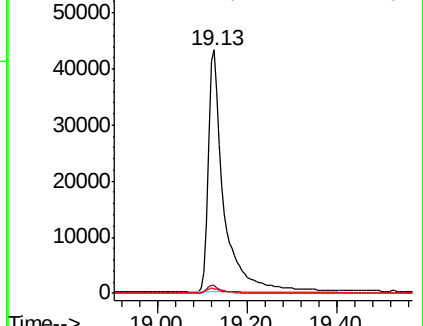
104 1.8 1.4 2.0



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: 0.361 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

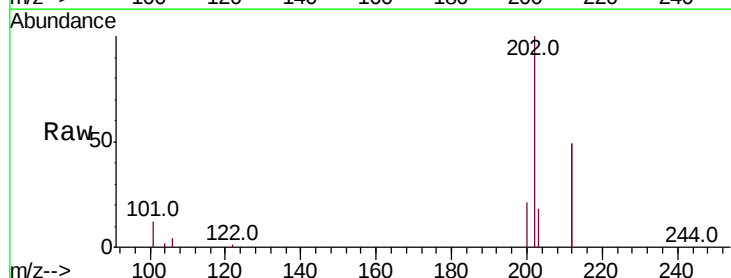
Tgt Ion:202 Resp: 25731

Ion Ratio Lower Upper

202 100

101 12.2 9.6 14.4

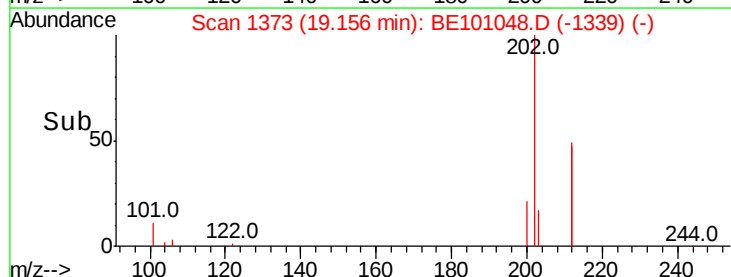
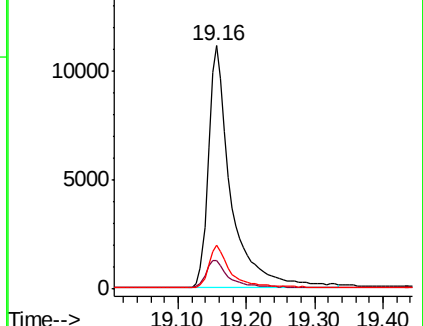
203 16.9 13.8 20.6

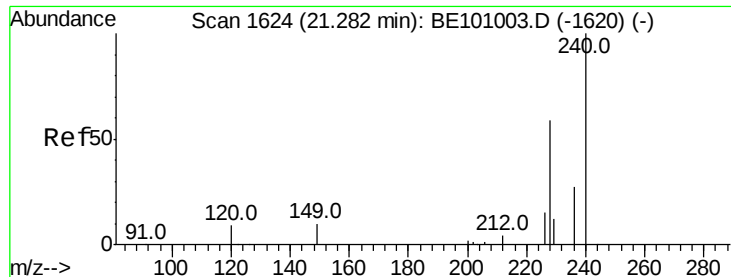


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

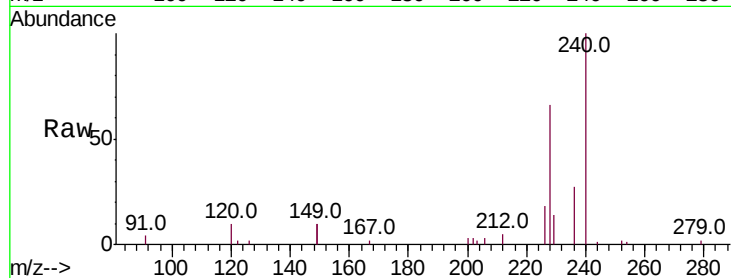
Tot Ion:240 Resp: 16250

Ion Ratio Lower Upper

240 100

120 9.5 8.6 13.0

236 26.9 22.2 33.4

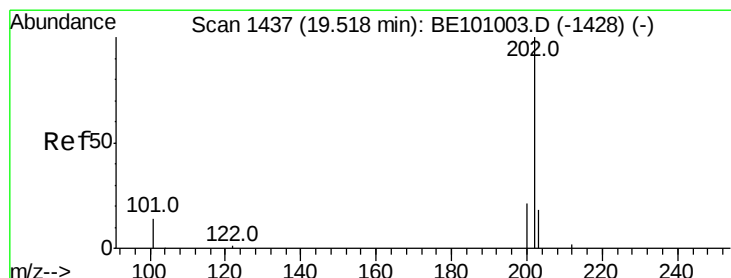
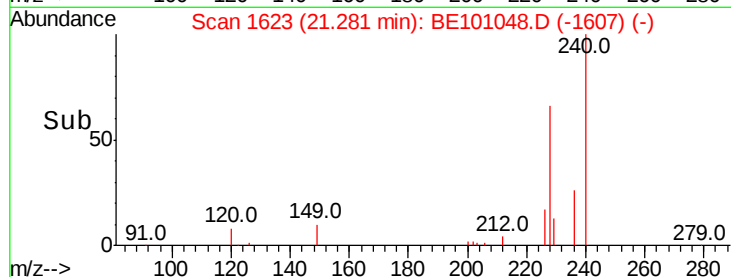
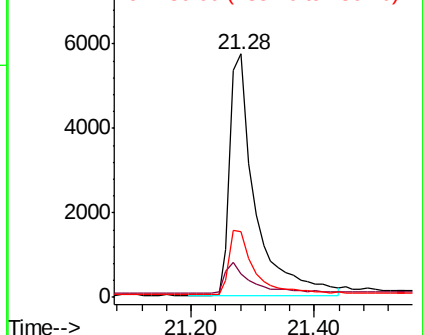


Abundance

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: 0.429 ng

RT: 19.52 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

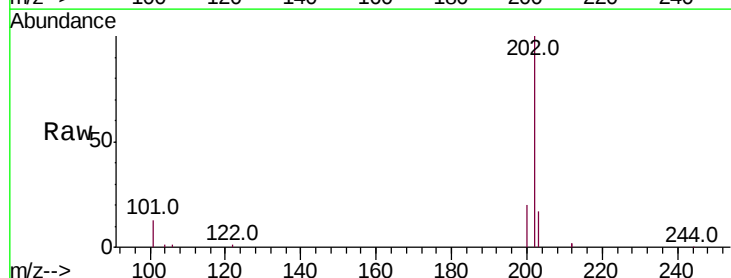
Tgt Ion:202 Resp: 25964

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

203 16.9 13.8 20.6

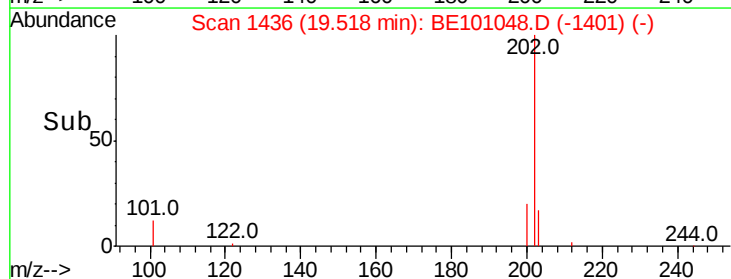
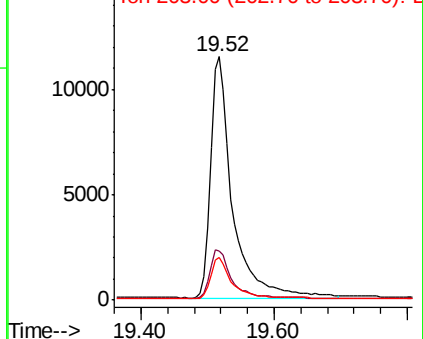


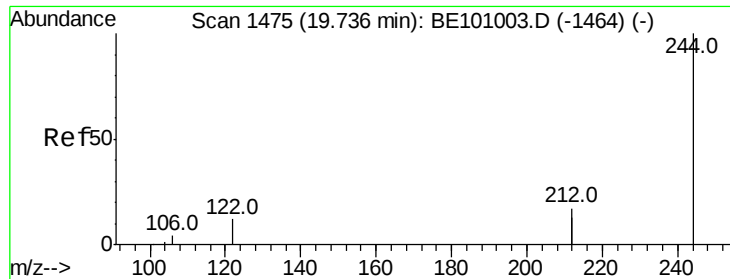
Abundance

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: 0.420 ng

RT: 19.74 min Scan# 1474

Delta R.T. 0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

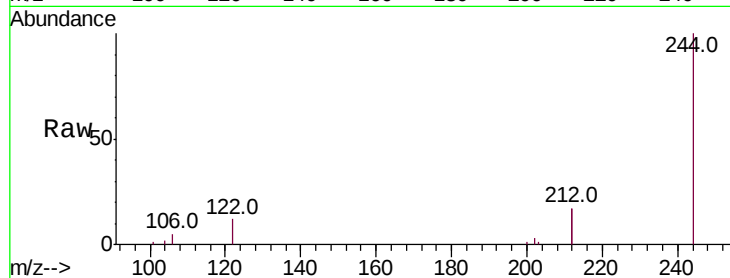
Tot Ion:244 Resp: 16774

Ion Ratio Lower Upper

244 100

212 33.3 27.2 40.8

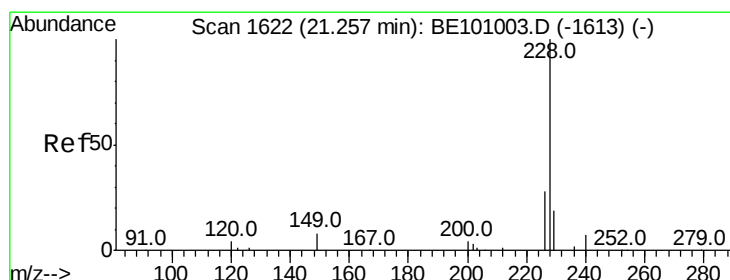
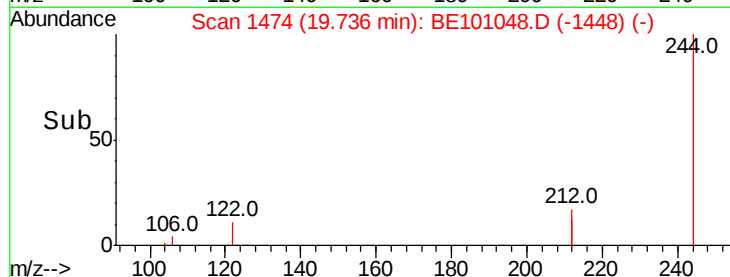
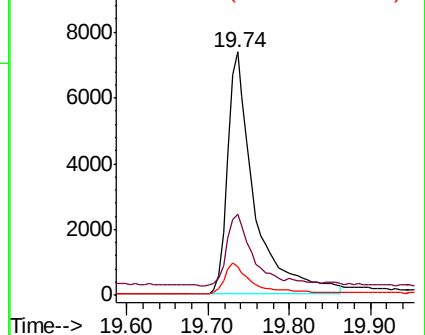
122 11.8 9.8 14.8



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: 0.330 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

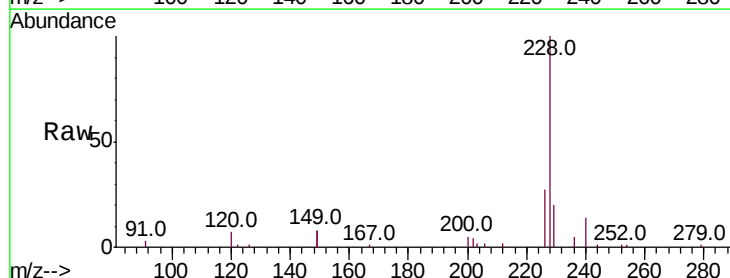
Tgt Ion:228 Resp: 15282

Ion Ratio Lower Upper

228 100

226 26.7 22.7 34.1

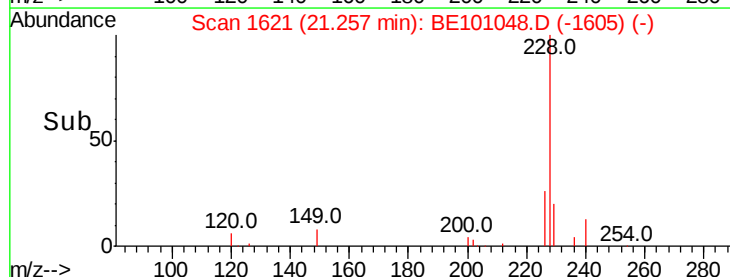
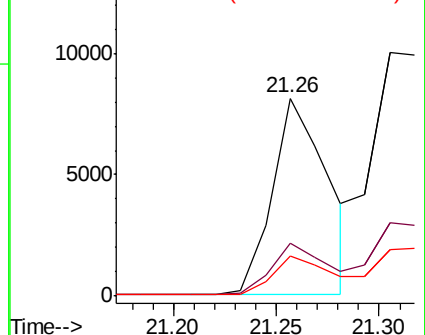
229 20.3 15.5 23.3

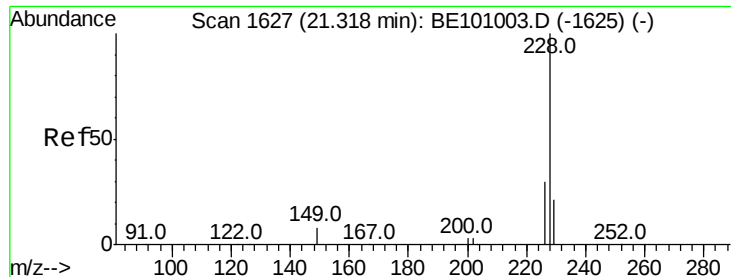


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.451 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

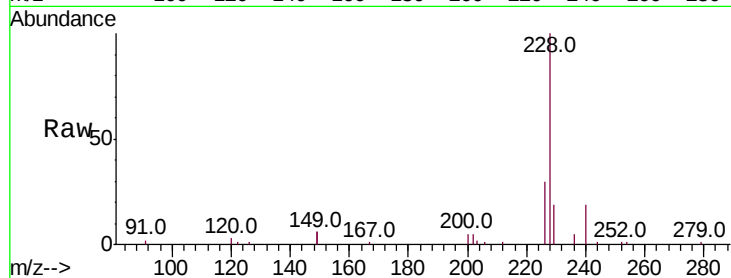
Tot Ion:228 Resp: 31102

Ion Ratio Lower Upper

228 100

226 30.0 23.5 35.3

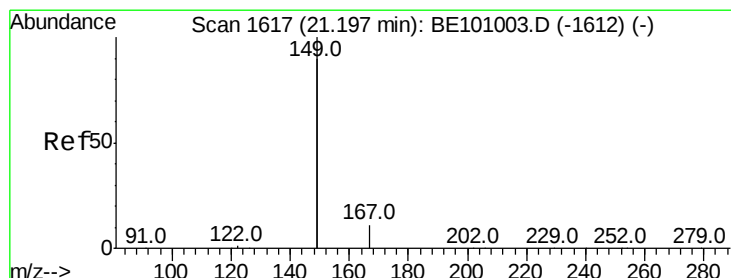
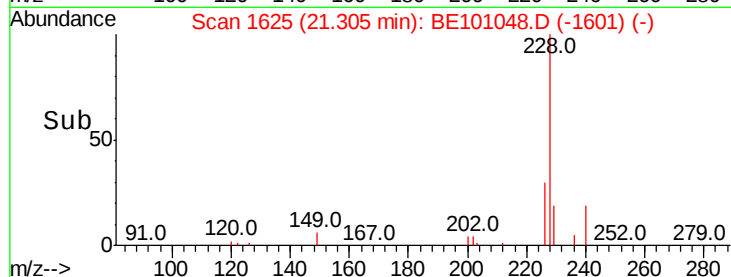
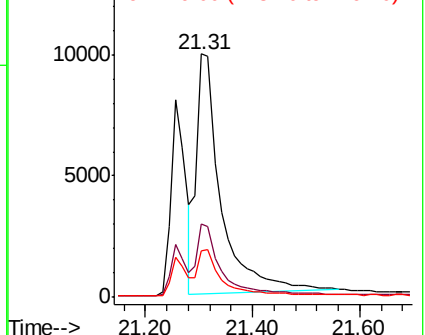
229 19.1 16.7 25.1



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: 0.325 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

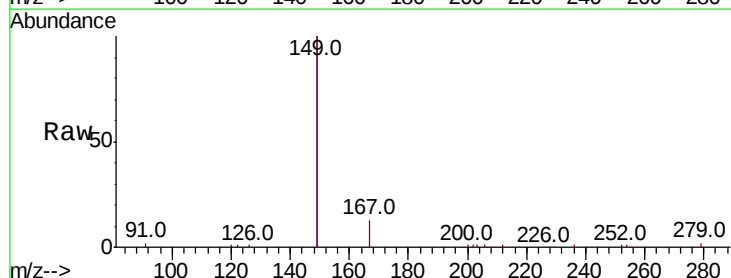
Tgt Ion:149 Resp: 25091

Ion Ratio Lower Upper

149 100

167 6.3 5.2 7.8

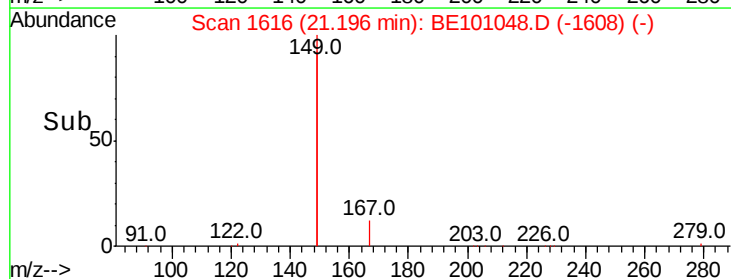
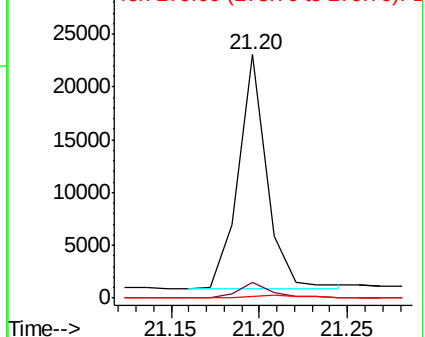
279 0.9 0.8 1.2

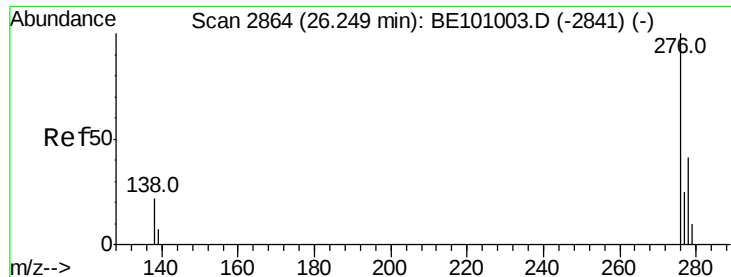


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.405 ng

RT: 26.23 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

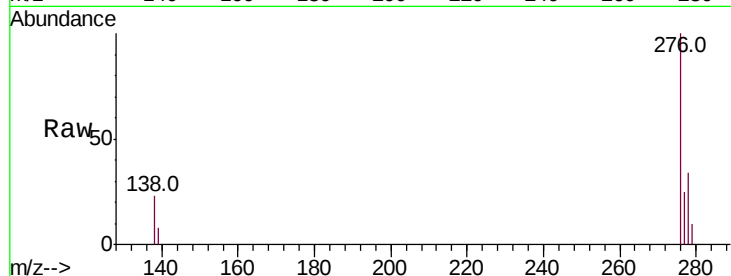
Tot Ion:276 Resp: 22055

Ion Ratio Lower Upper

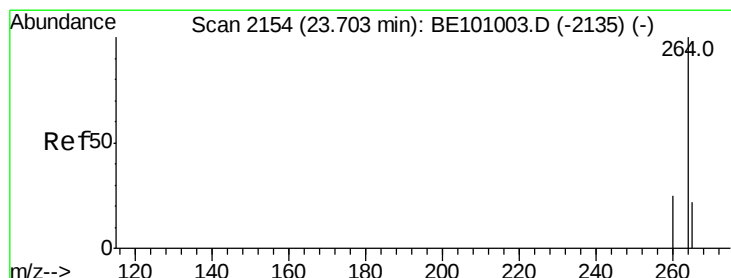
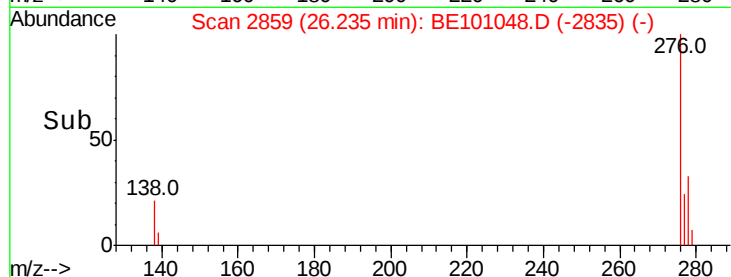
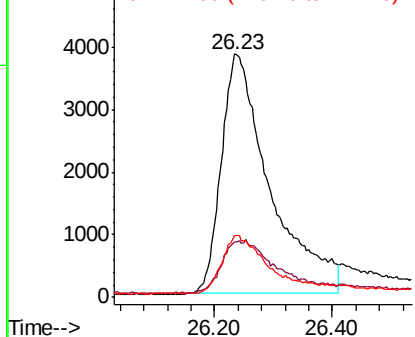
276 100

138 9.6 16.1 24.1#

277 23.6 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: BE101048.D

Acq: 14 Jan 2020 11:56

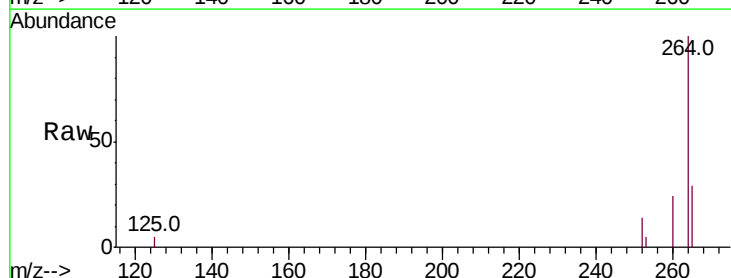
Tgt Ion:264 Resp: 18628

Ion Ratio Lower Upper

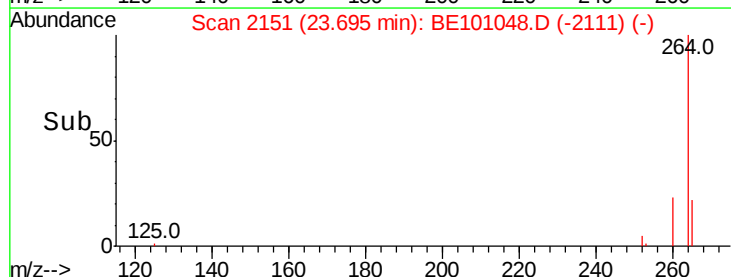
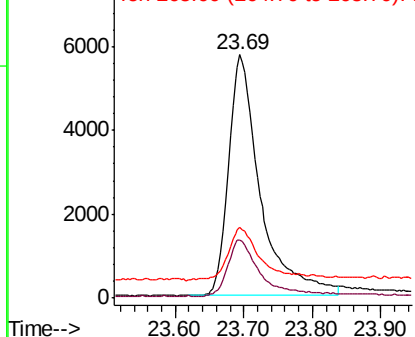
264 100

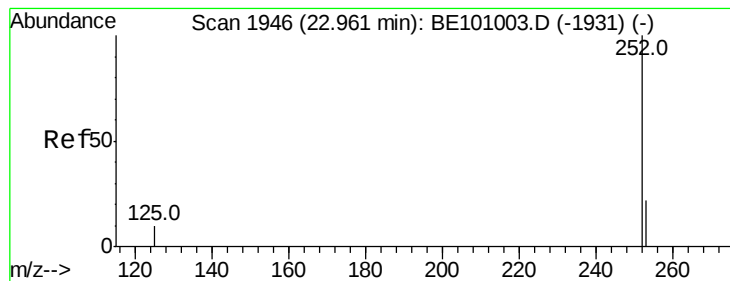
260 23.7 20.3 30.5

265 29.3 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: 0.323 ng

RT: 22.95 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

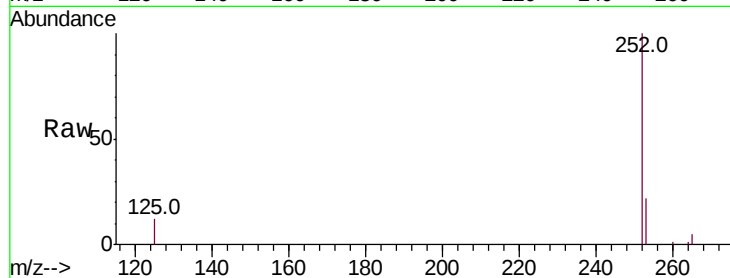
Tot Ion:252 Resp: 16889

Ion Ratio Lower Upper

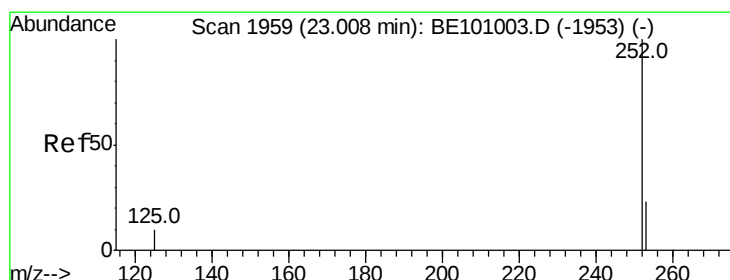
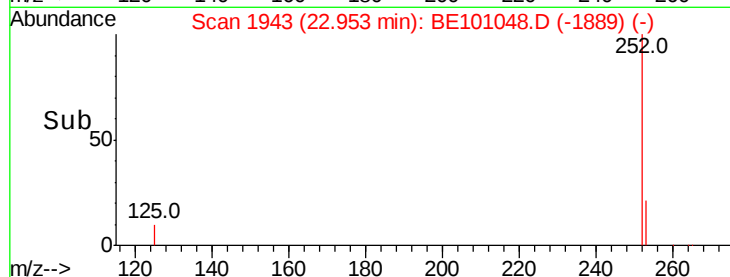
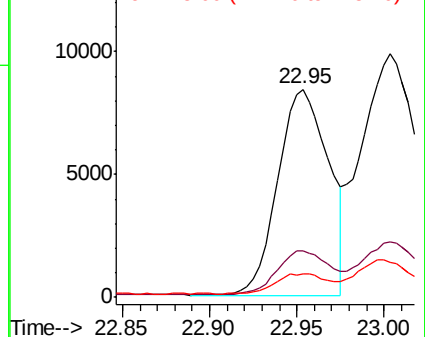
252 100

253 22.3 18.5 27.7

125 11.5 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: 0.374 ng

RT: 23.00 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

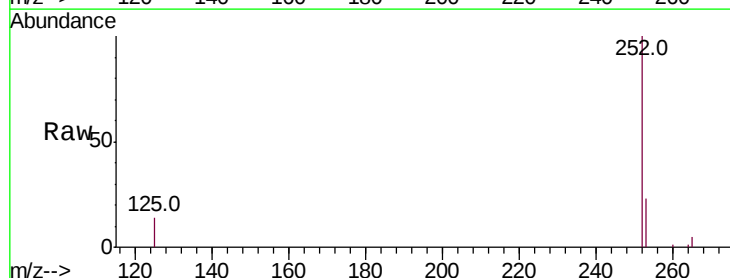
Tgt Ion:252 Resp: 28339

Ion Ratio Lower Upper

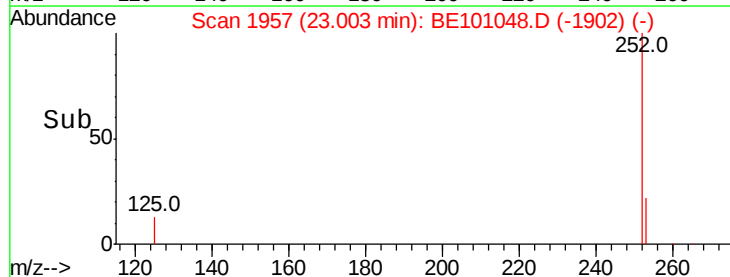
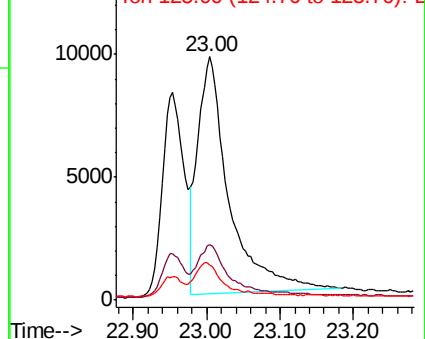
252 100

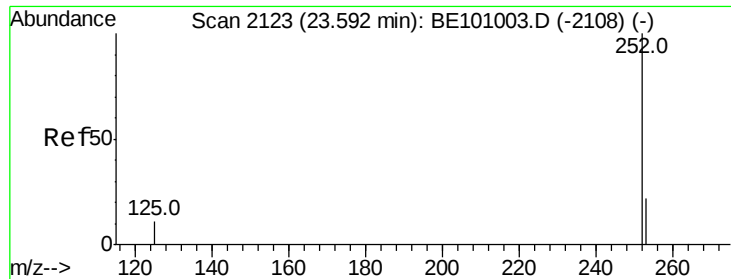
253 22.6 18.9 28.3

125 14.5 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: 0.362 ng

RT: 23.59 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

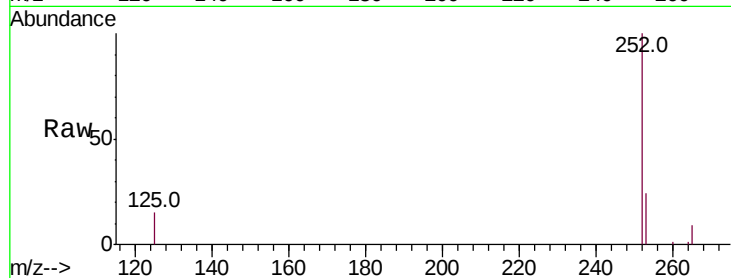
Tot Ion:252 Resp: 18301

Ion Ratio Lower Upper

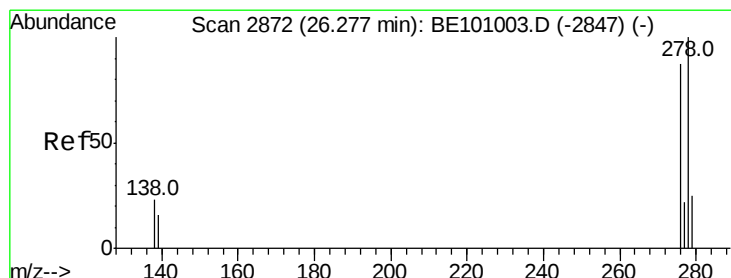
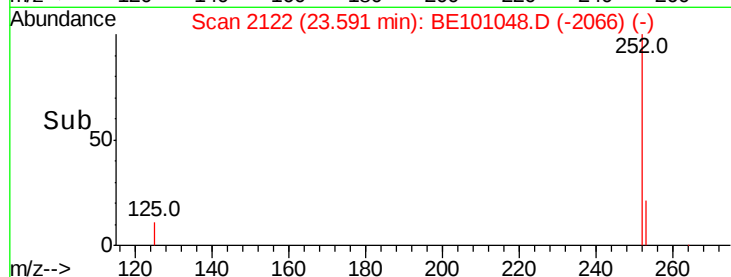
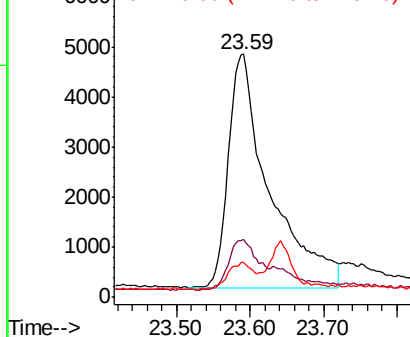
252 100

253 23.6 19.4 29.2

125 14.5 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: 0.363 ng

RT: 26.27 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

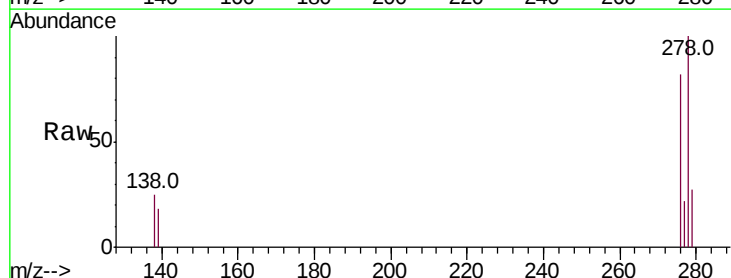
Tgt Ion:278 Resp: 16868

Ion Ratio Lower Upper

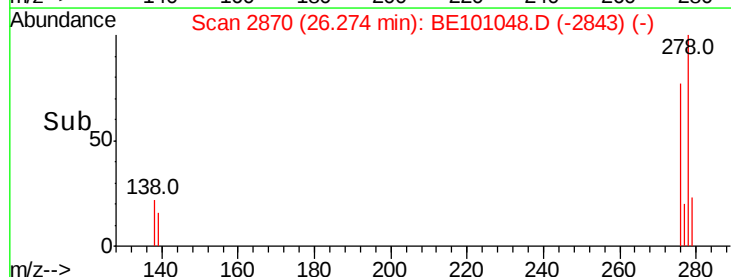
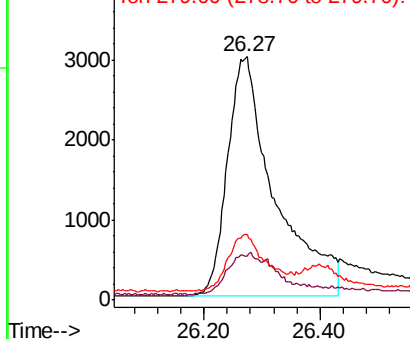
278 100

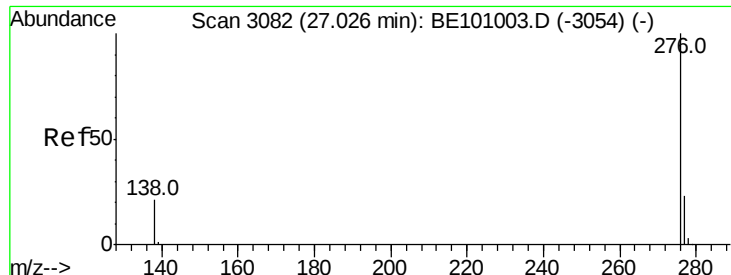
139 18.1 15.0 22.4

279 26.9 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: 0.375 ng

RT: 27.01 min Scan# 3076

Delta R.T. -0.02 min

Lab File: BE101048.D

Acq: 14 Jan 2020 11:56

Instrument :

BNA_E

ClientSampleId :

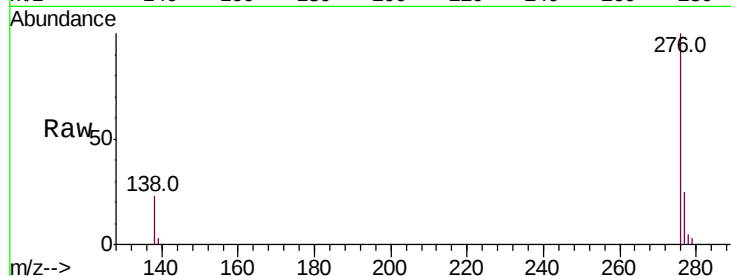
Tot Ion:276 Resp: 21423

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.2

138 22.6 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

