

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE020720\
 Data File : BE101141.D
 Acq On : 7 Feb 2020 17:06
 Operator : CG/JU
 Sample : SP5041
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SP5041

Quant Time: Feb 07 18:16:26 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	7.70	152	1987	0.40	ng	-0.03
7) Naphthalene-d8	10.47	136	8246	0.40	ng	-0.03
13) Acenaphthene-d10	14.34	164	4618	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	9877	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	7832	0.40	ng	-0.01
34) Perylene-d12	23.68	264	10223	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	3	0.00	ng	-0.02
5) Phenol-d6	6.93	99	11	0.00	ng	0.01
8) Nitrobenzene-d5	8.87	82	49	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.07	152	211	0.01	ng	-0.04
14) 2,4,6-Tribromophenol	15.83	330	2	0.00	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	8	0.00	ng	0.01
25) Fluoranthene-d10	19.12	212	9	0.00	ng	-0.02
29) Terphenyl-d14	19.72	244	7	0.00	ng	-0.01

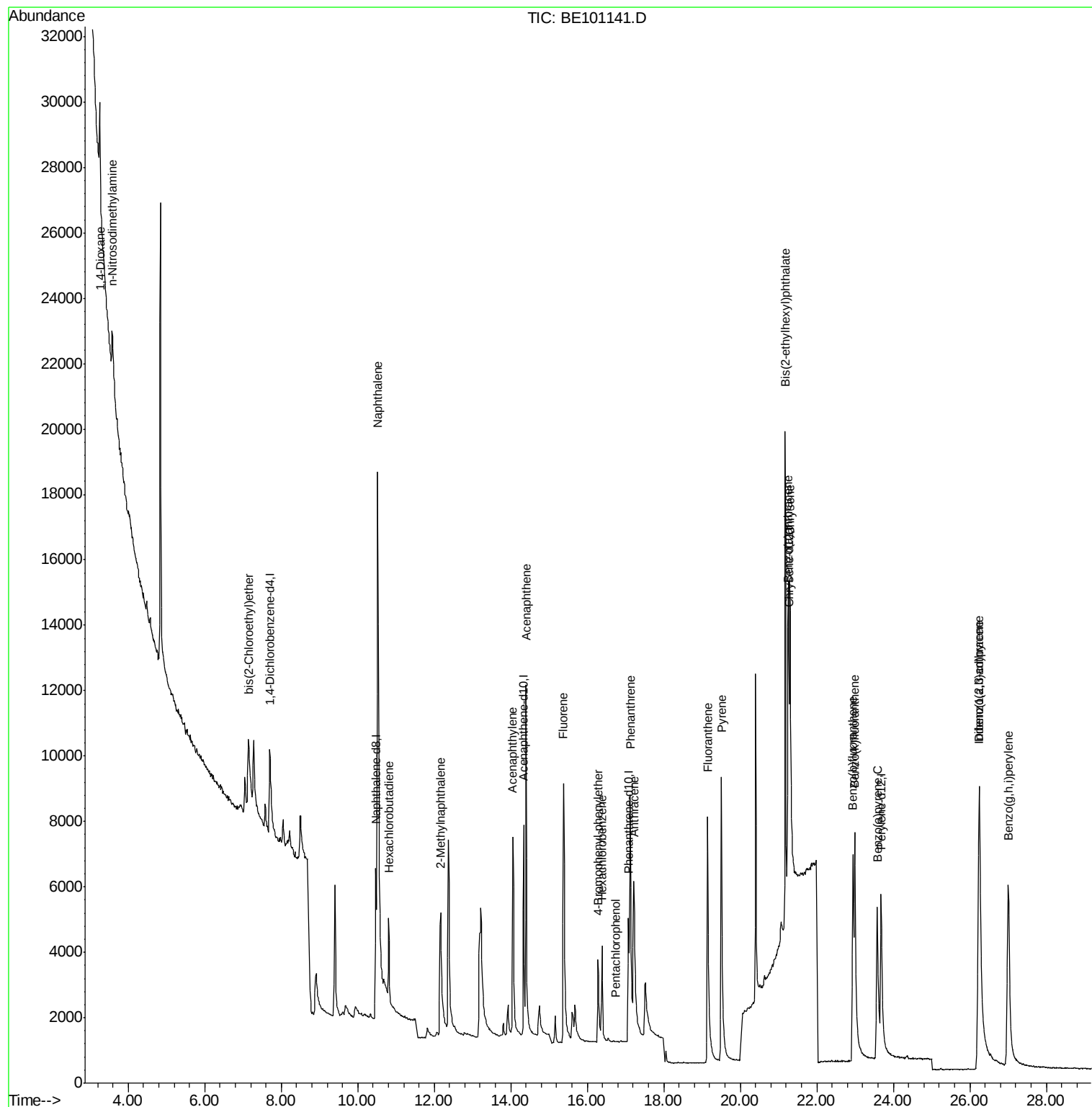
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.27	88	1902	0.395	ng	# 42
3) n-Nitrosodimethylamine	3.58	42	1188	0.430	ng	# 78
6) bis(2-Chloroethyl)ether	7.15	93	2465	0.366	ng	91
9) Naphthalene	10.52	128	43401	0.474	ng	100
10) Hexachlorobutadiene	10.81	225	1838	0.474	ng	98
12) 2-Methylnaphthalene	12.17	142	5990	0.432	ng	99
16) Acenaphthylene	14.05	152	9809	0.522	ng	99
17) Acenaphthene	14.40	154	6207	0.461	ng	99
18) Fluorene	15.38	166	7464	0.439	ng	100
20) 4-Bromophenyl-phenylether	16.28	248	2286	0.475	ng	# 92
21) Hexachlorobenzene	16.38	284	2434	0.461	ng	98
22) Pentachlorophenol	16.73	266	2	0.251	ng	# 71
23) Phenanthrene	17.12	178	11610	0.430	ng	99
24) Anthracene	17.21	178	12021	0.472	ng	99
26) Fluoranthene	19.14	202	13571	0.402	ng	99
28) Pyrene	19.51	202	14315	0.491	ng	100
30) Benzo(a)anthracene	21.25	228	9037	0.404	ng	99
31) Chrysene	21.29	228	16588	0.499	ng	97
32) Bis(2-ethylhexyl)phthalate	21.17	149	20920	0.562	ng	99
33) Indeno(1,2,3-cd)pyrene	26.23	276	18621	0.710	ng	96
35) Benzo(b)fluoranthene	22.94	252	10502	0.366	ng	98
36) Benzo(k)fluoranthene	22.99	252	16060	0.387	ng	99
37) Benzo(a)pyrene	23.58	252	13416	0.484	ng	99
38) Dibenzo(a,h)anthracene	26.25	278	14921	0.585	ng	96
39) Benzo(g,h,i)perylene	27.00	276	17735	0.565	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: 7.70 min Scan# 420

Delta R.T. -0.03 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

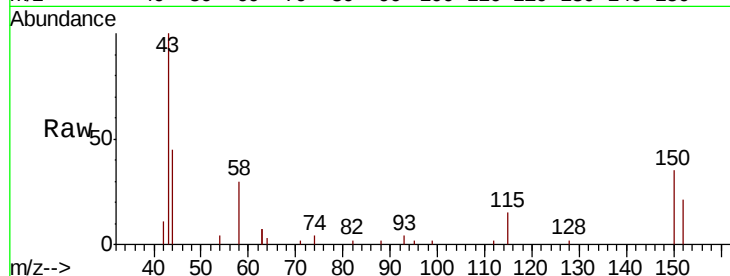
Tot Ion:152 Resp: 1987

Ion Ratio Lower Upper

152 100

150 163.1 120.3 180.5

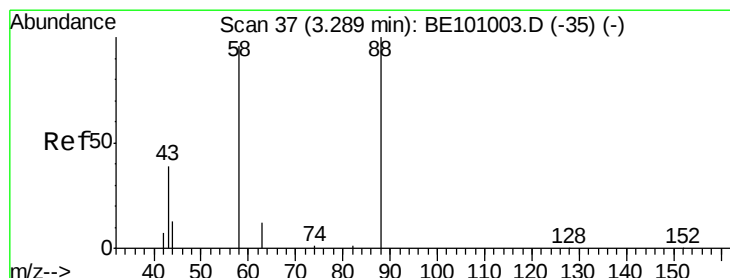
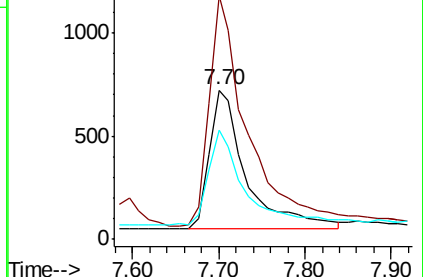
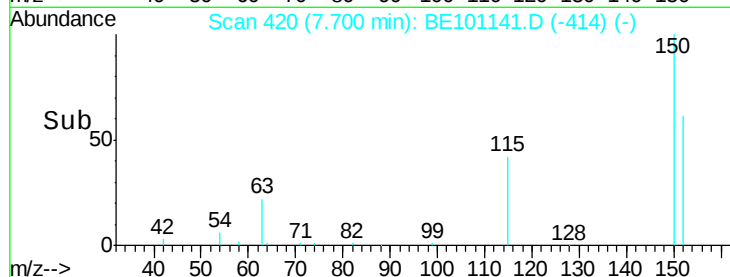
115 72.9 51.7 77.5



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: 0.395 ng

RT: 3.27 min Scan# 35

Delta R.T. -0.02 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

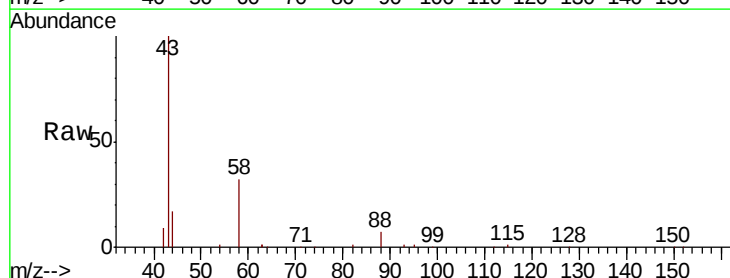
Tgt Ion: 88 Resp: 1902

Ion Ratio Lower Upper

88 100

58 113.6 53.0 79.4#

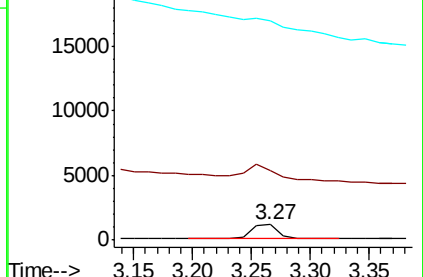
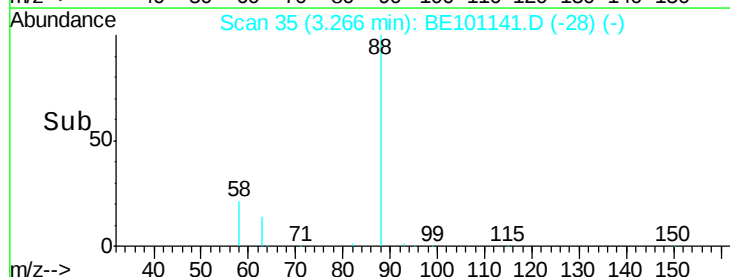
43 0.0 23.4 35.2#



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



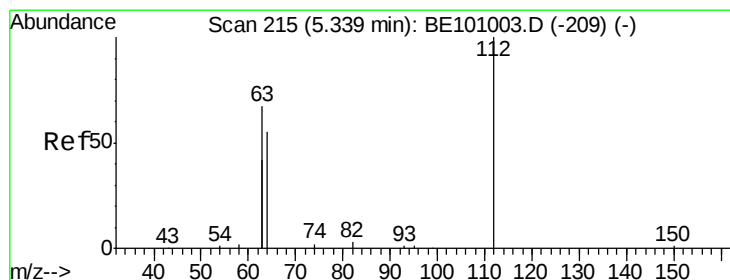
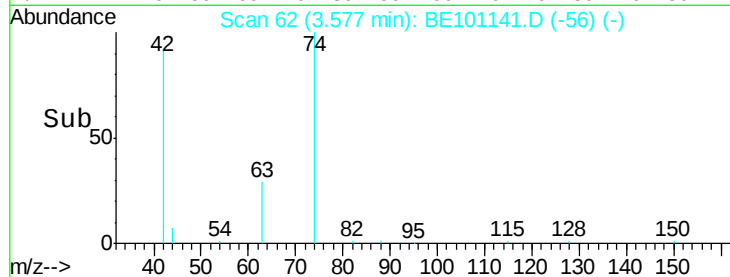
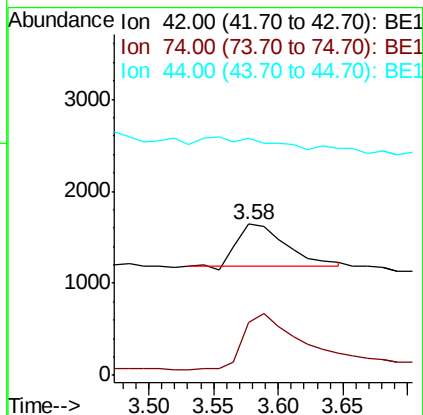
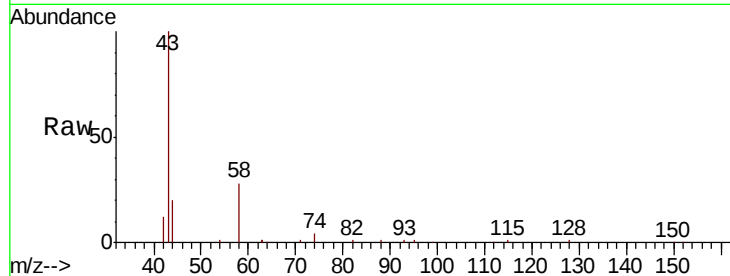


#3

n-Nitrosodimethylamine
 Concen: 0.430 ng
 RT: 3.58 min Scan# 62
 Delta R.T. -0.03 min
 Lab File: BE101141.D
 Acq: 7 Feb 2020 17:06

Instrument :
 BNA_E
 ClientSampleId :
 SP5041

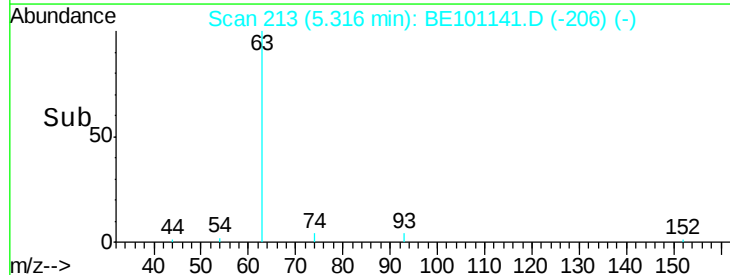
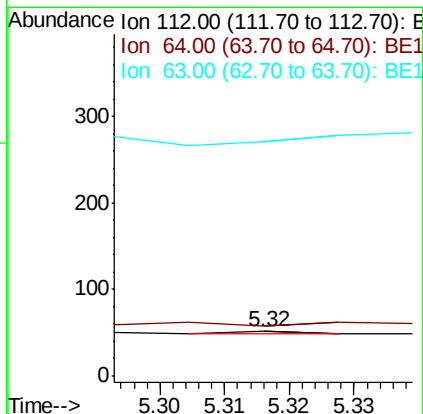
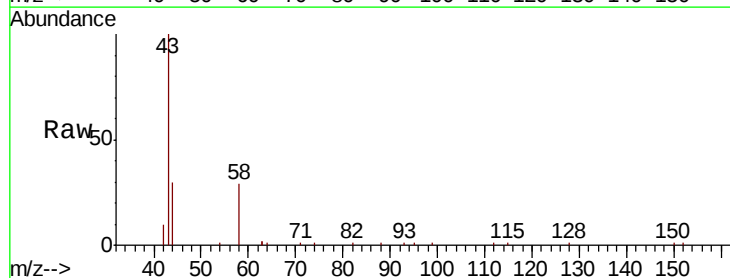
Tot Ion: 42 Resp: 1188
 Ion Ratio Lower Upper
 42 100
 74 156.6 105.7 158.5
 44 0.0 10.0 15.0#

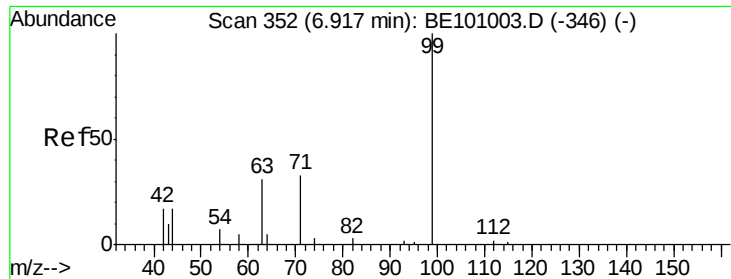


#4

2-Fluorophenol
 Concen: 0.001 ng
 RT: 5.32 min Scan# 213
 Delta R.T. -0.02 min
 Lab File: BE101141.D
 Acq: 7 Feb 2020 17:06

Tgt Ion: 112 Resp: 3
 Ion Ratio Lower Upper
 112 100
 64 100.0 53.6 80.4#
 63 0.0 114.6 172.0#





#5

Phenol-d6

Concen: 0.002 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

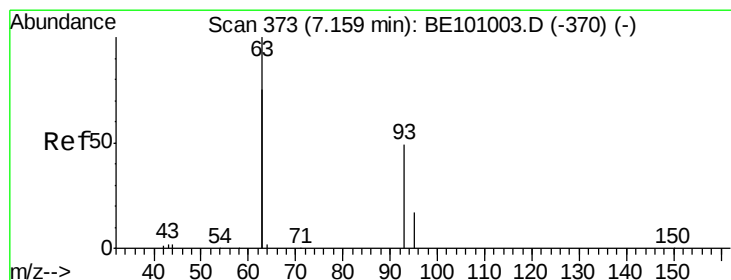
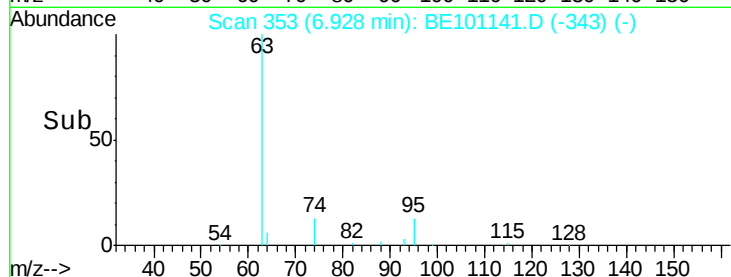
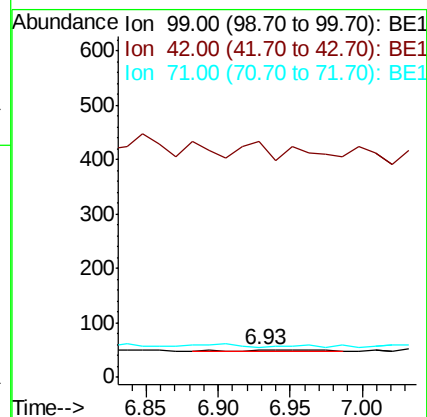
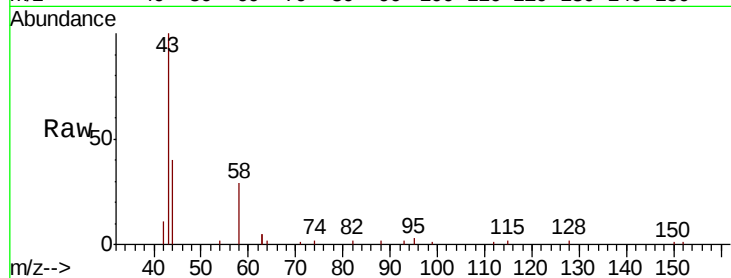
Tot Ion: 99 Resp: 11

Ion Ratio Lower Upper

99 100

42 363.6 18.3 27.5#

71 0.0 28.0 42.0#



#6

bis(2-Chloroethyl)ether

Concen: 0.366 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

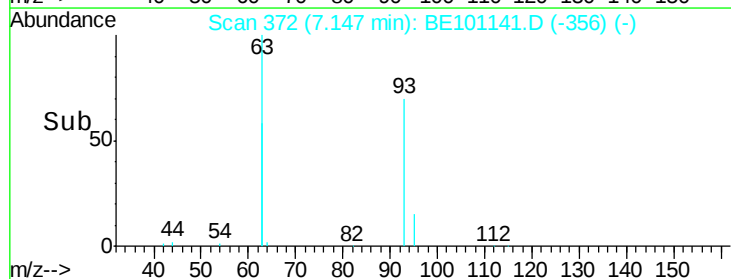
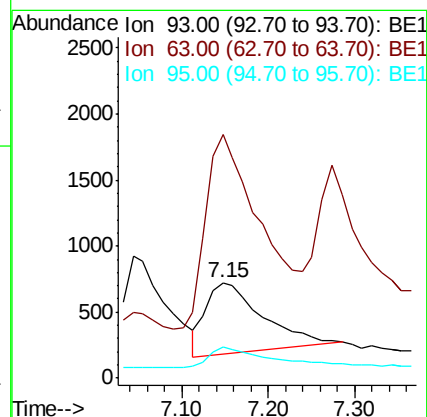
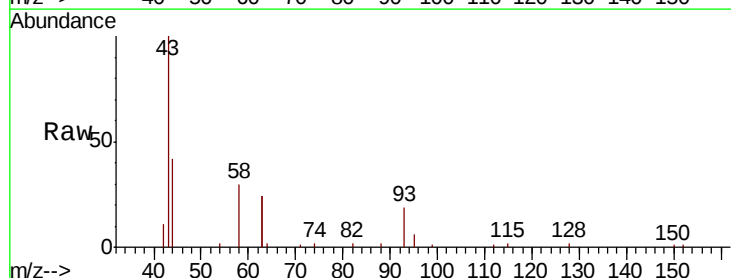
Tgt Ion: 93 Resp: 2465

Ion Ratio Lower Upper

93 100

63 274.1 233.9 350.9

95 31.5 23.5 35.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 639

Delta R.T. -0.03 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

Tot Ion:136 Resp: 8246

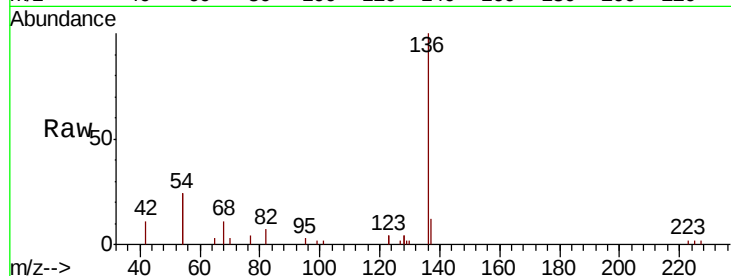
Ion Ratio Lower Upper

136 100

137 12.4 9.3 13.9

54 47.8 36.8 55.2

68 10.8 8.4 12.6

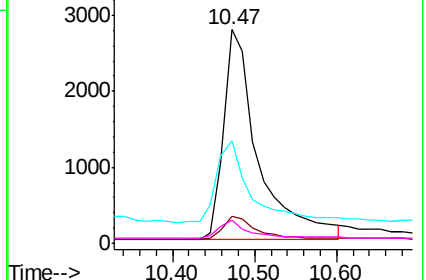
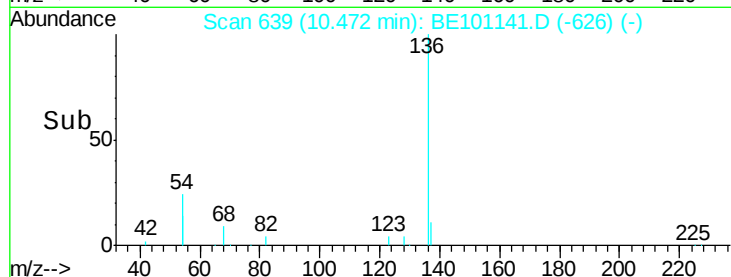


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.008 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

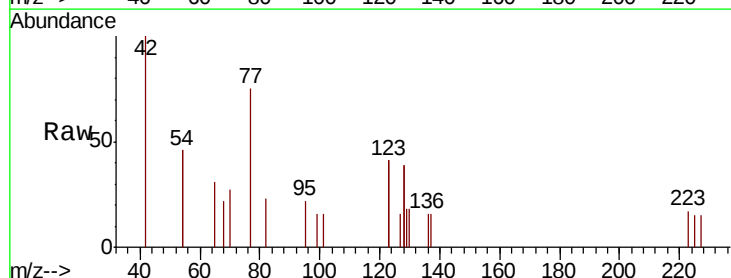
Tgt Ion: 82 Resp: 49

Ion Ratio Lower Upper

82 100

128 343.7 109.8 164.6#

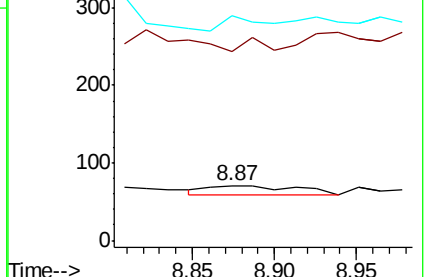
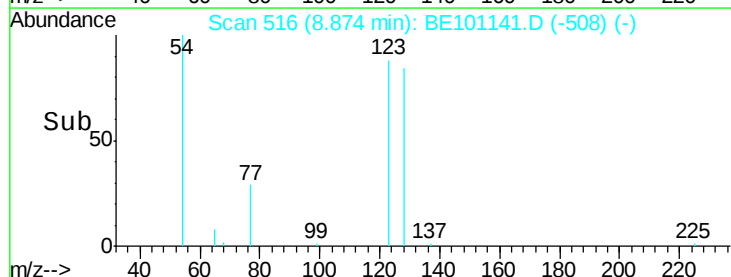
54 408.5 174.5 261.7#

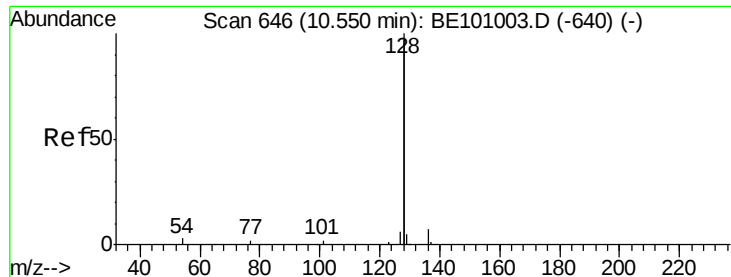


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.474 ng

RT: 10.52 min Scan# 643

Delta R.T. -0.03 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

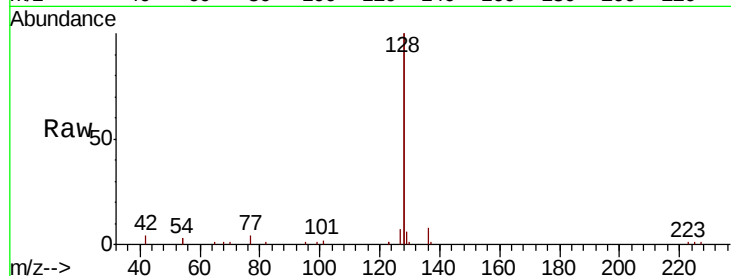
Tot Ion:128 Resp: 43401

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

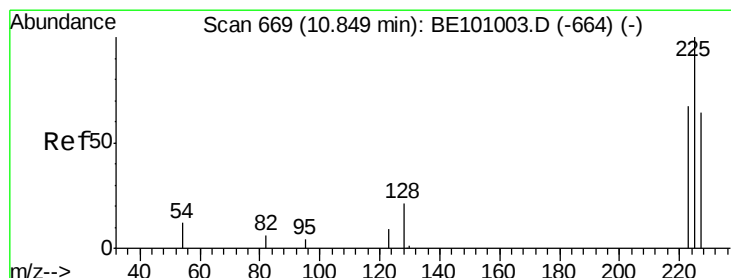
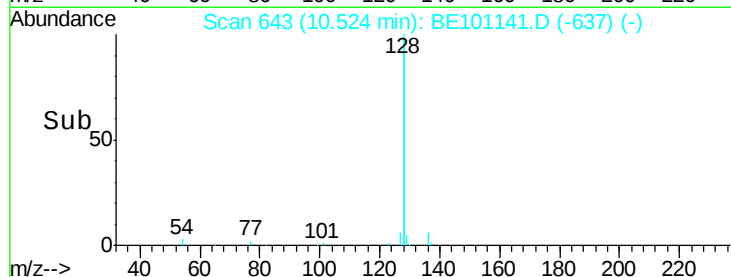
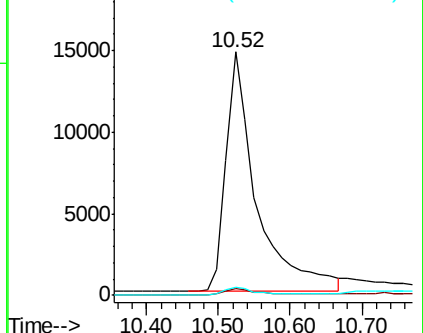
127 3.5 2.7 4.1



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: 0.474 ng

RT: 10.81 min Scan# 665

Delta R.T. -0.04 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

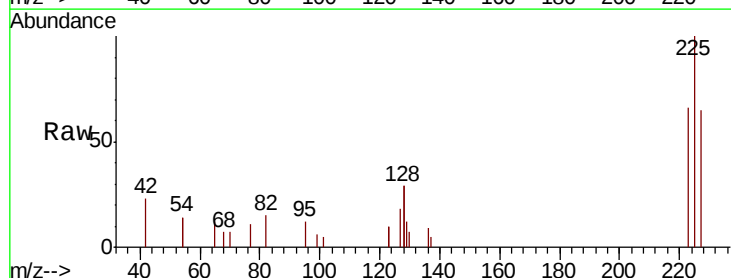
Tgt Ion:225 Resp: 1838

Ion Ratio Lower Upper

225 100

223 63.8 52.2 78.4

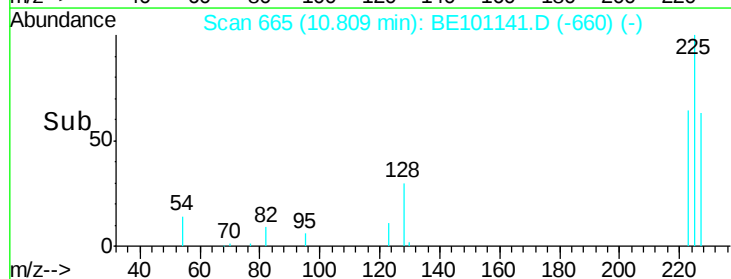
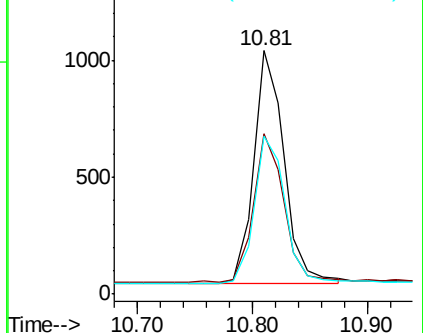
227 64.1 49.9 74.9



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

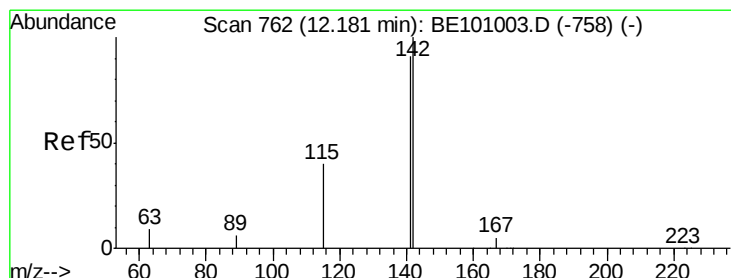
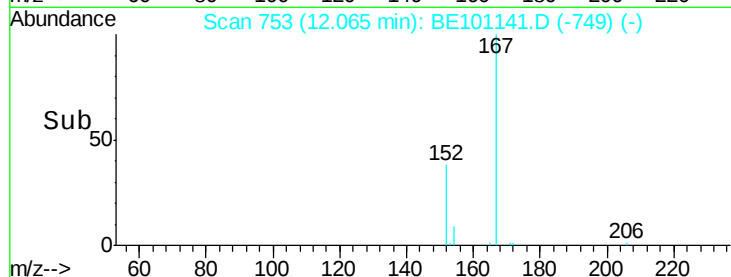
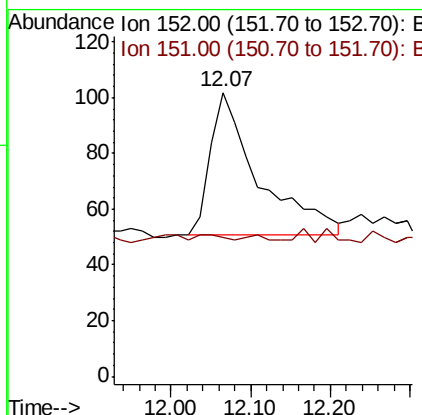
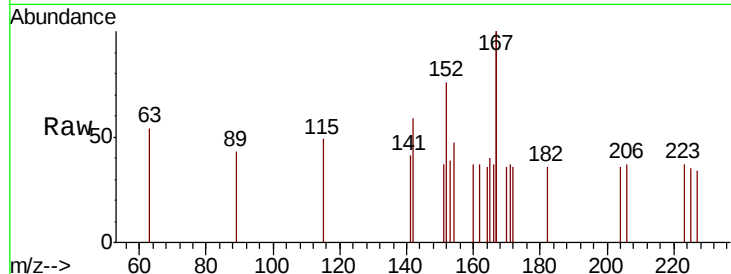




#11
 2-Methylnaphthalene-d10
 Concen: 0.013 ng
 RT: 12.07 min Scan# 753
 Delta R.T. -0.04 min
 Lab File: BE101141.D
 Acq: 7 Feb 2020 17:06

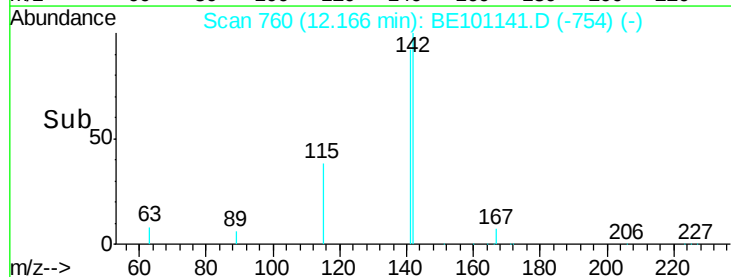
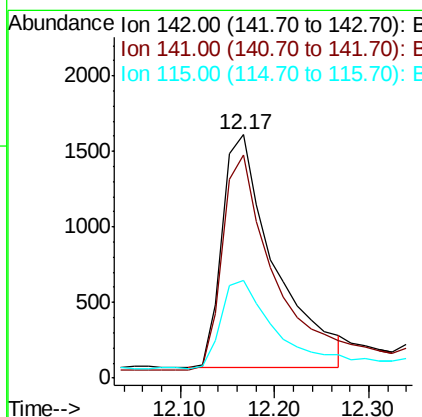
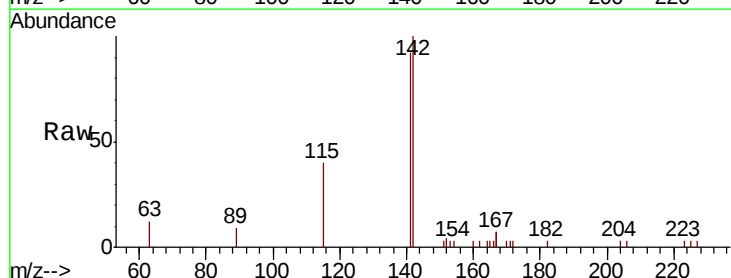
Instrument :
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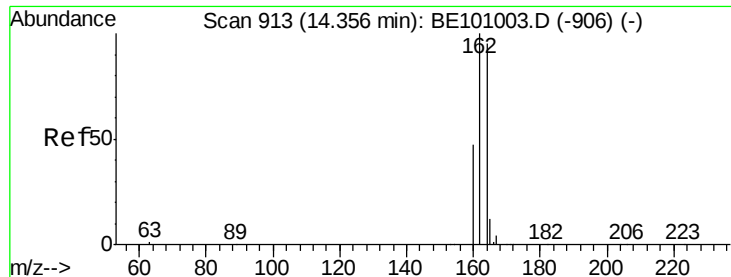
Tot Ion:152 Resp: 211
 Ion Ratio Lower Upper
 152 100
 151 0.0 15.0 22.6#



#12
 2-Methylnaphthalene
 Concen: 0.432 ng
 RT: 12.17 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BE101141.D
 Acq: 7 Feb 2020 17:06

Tgt Ion:142 Resp: 5990
 Ion Ratio Lower Upper
 142 100
 141 91.6 72.5 108.7
 115 40.2 33.0 49.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 911

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

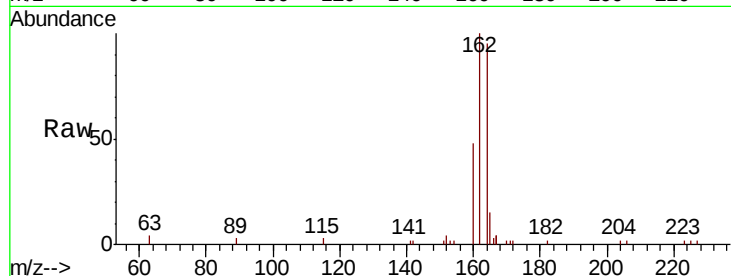
Tot Ion:164 Resp: 4618

Ion Ratio Lower Upper

164 100

162 105.8 84.1 126.1

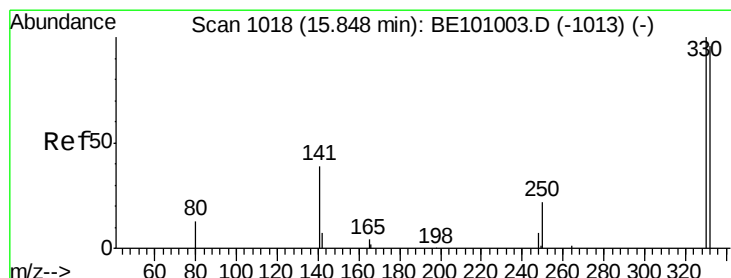
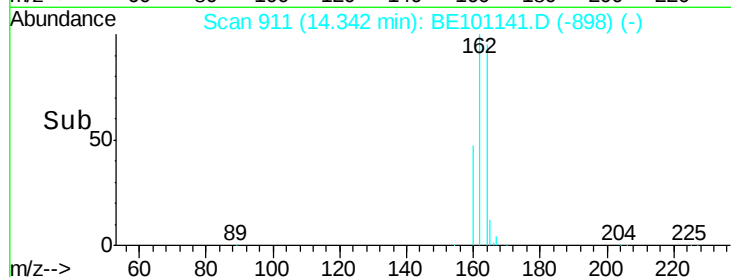
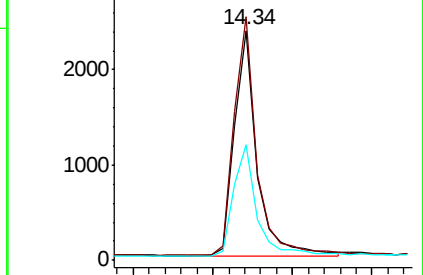
160 50.5 40.4 60.6



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: 0.002 ng

RT: 15.83 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

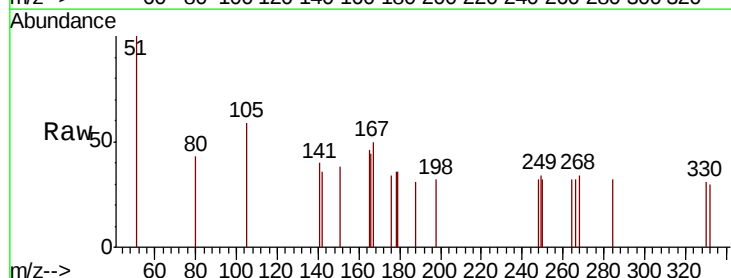
Tgt Ion:330 Resp: 2

Ion Ratio Lower Upper

330 100

332 0.0 78.4 117.6#

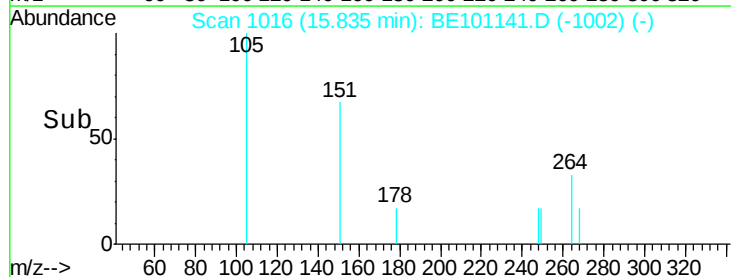
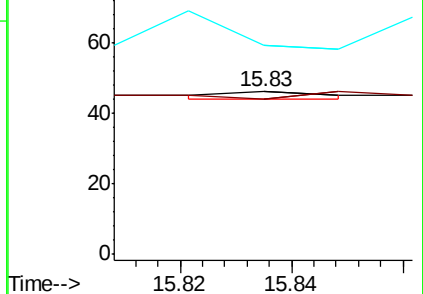
141 500.0 37.0 55.4#

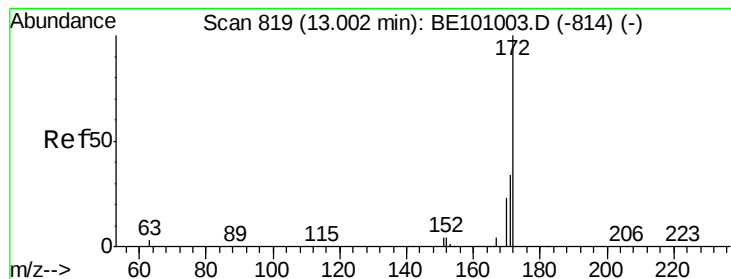


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 13.02 min Scan# 819

Delta R.T. 0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

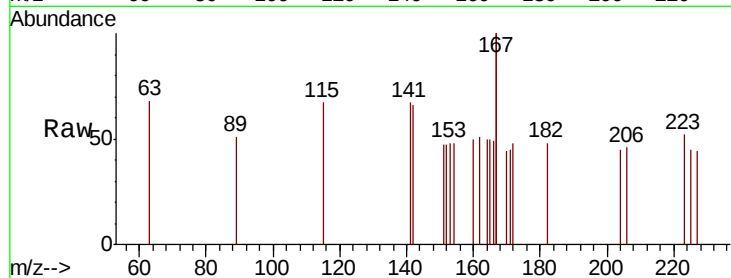
Tot Ion:172 Resp: 8

Ion Ratio Lower Upper

172 100

171 94.0 28.2 42.2#

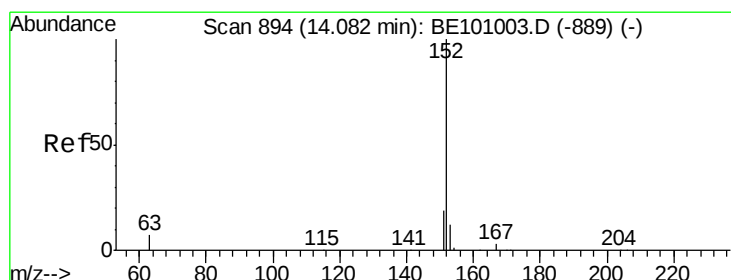
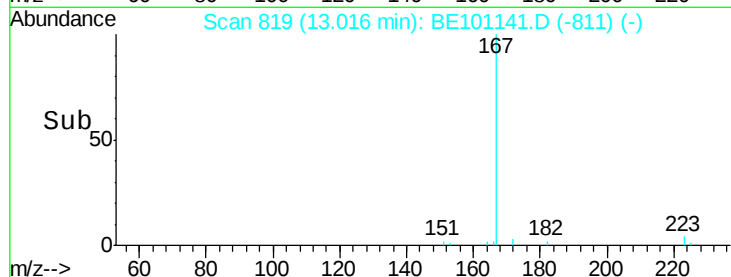
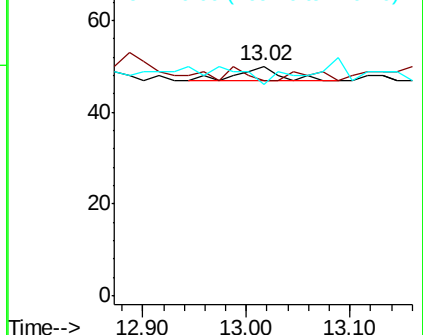
170 92.0 18.9 28.3#



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: 0.522 ng

RT: 14.05 min Scan# 891

Delta R.T. -0.03 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

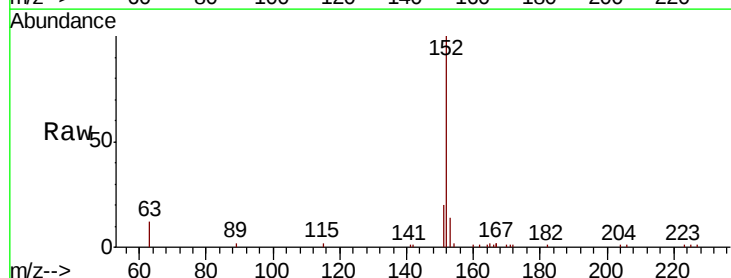
Tgt Ion:152 Resp: 9809

Ion Ratio Lower Upper

152 100

151 18.8 15.5 23.3

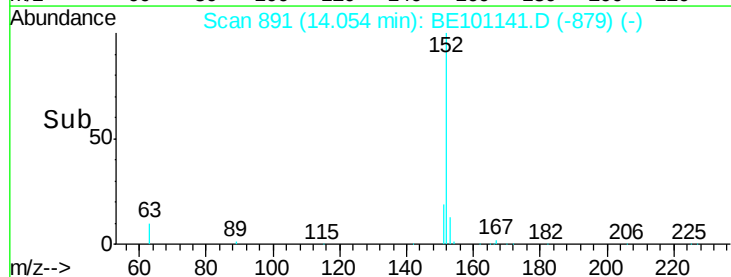
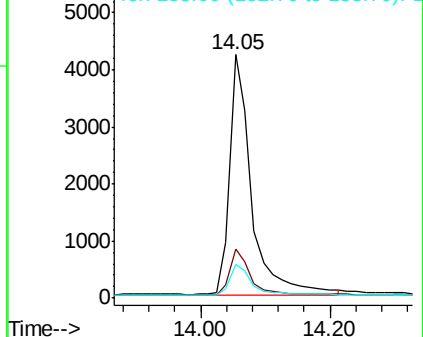
153 13.0 10.4 15.6



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

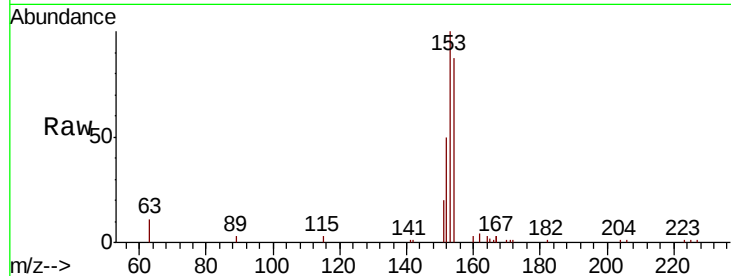




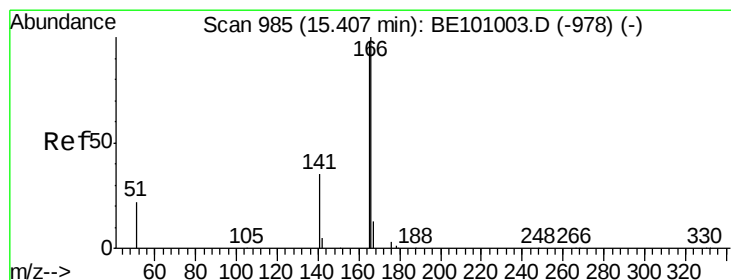
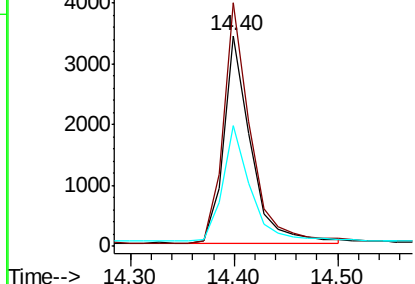
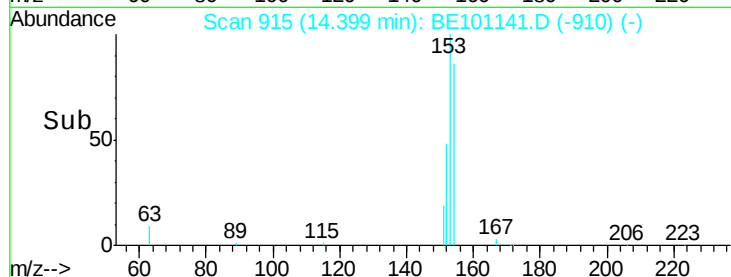
#17
Acenaphthene
Concen: 0.461 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.03 min
Lab File: BE101141.D
Acq: 7 Feb 2020 17:06

Instrument :
BNA_E
ClientSampleId :
SP5041

Tot Ion:154 Resp: 6207
Ion Ratio Lower Upper
154 100
153 116.4 93.6 140.4
152 57.4 46.3 69.5

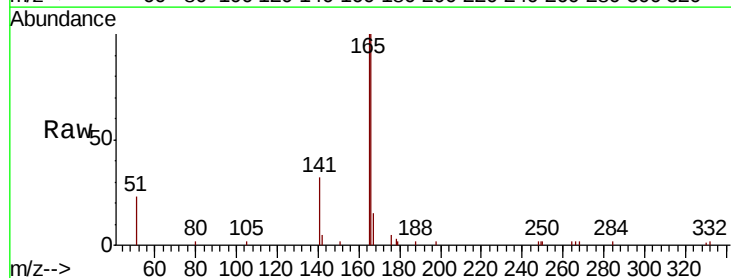


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

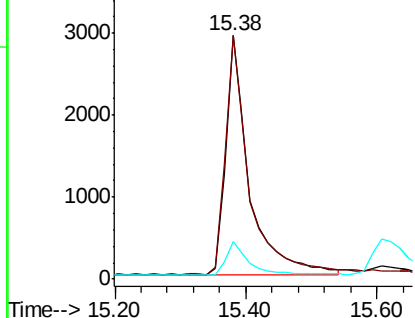
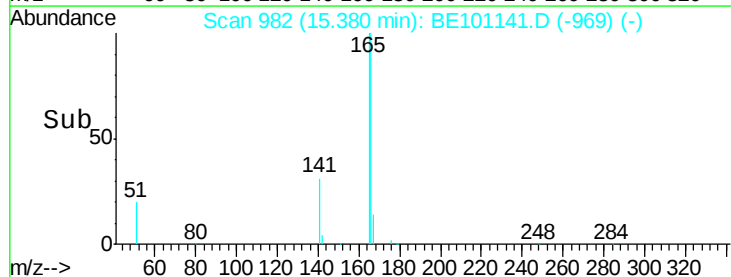


#18
Fluorene
Concen: 0.439 ng
RT: 15.38 min Scan# 982
Delta R.T. -0.03 min
Lab File: BE101141.D
Acq: 7 Feb 2020 17:06

Tgt Ion:166 Resp: 7464
Ion Ratio Lower Upper
166 100
165 100.0 79.8 119.8
167 13.6 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: 17.08 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

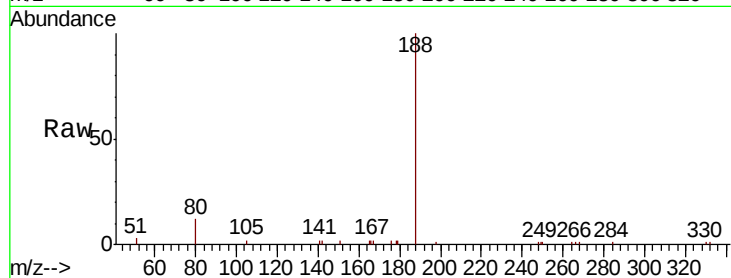
Tot Ion:188 Resp: 9877

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

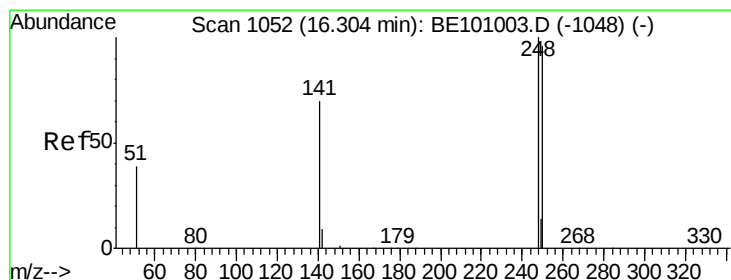
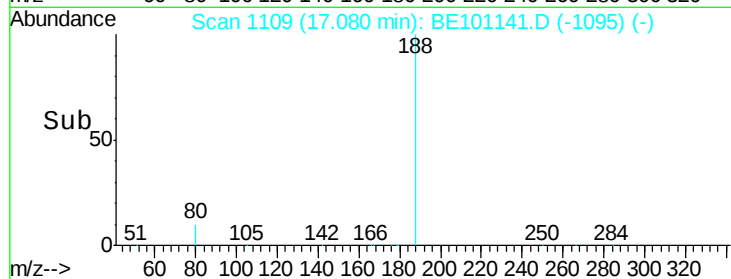
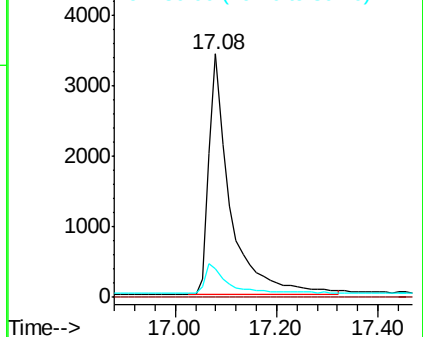
80 11.9 10.8 16.2



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: 0.475 ng

RT: 16.28 min Scan# 1049

Delta R.T. -0.03 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

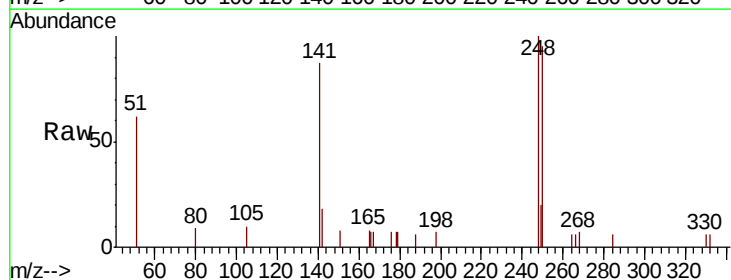
Tgt Ion:248 Resp: 2286

Ion Ratio Lower Upper

248 100

250 95.5 76.6 115.0

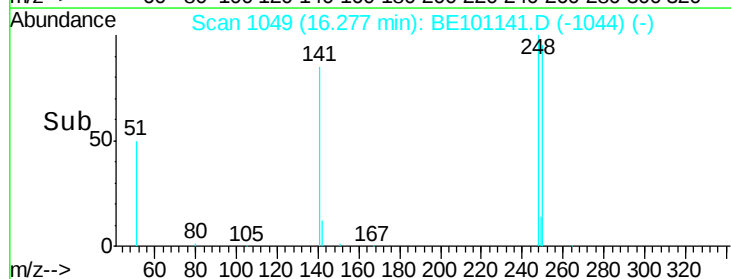
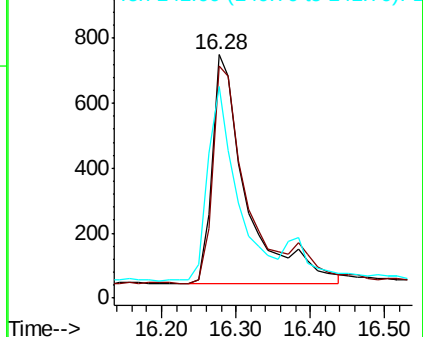
141 87.2 57.7 86.5#

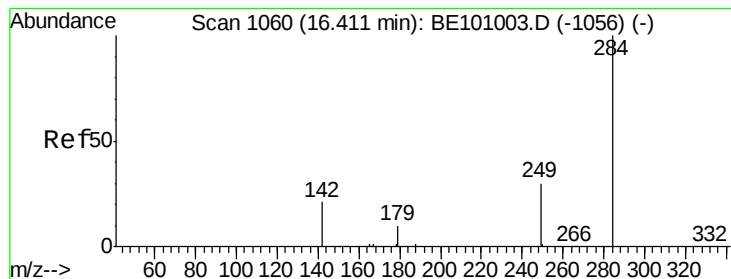


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.461 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

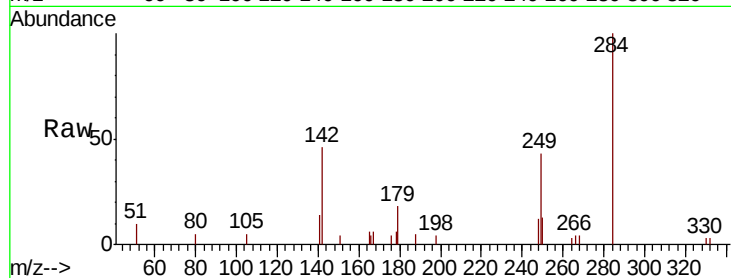
Tot Ion:284 Resp: 2434

Ion Ratio Lower Upper

284 100

142 41.2 34.0 51.0

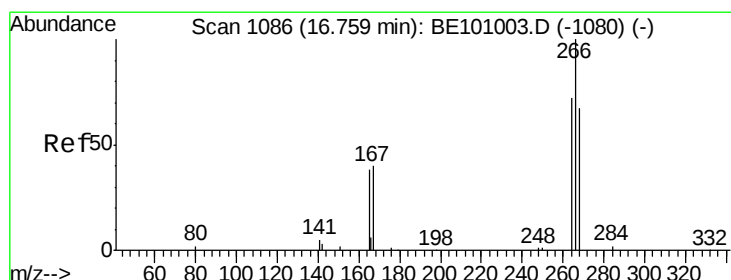
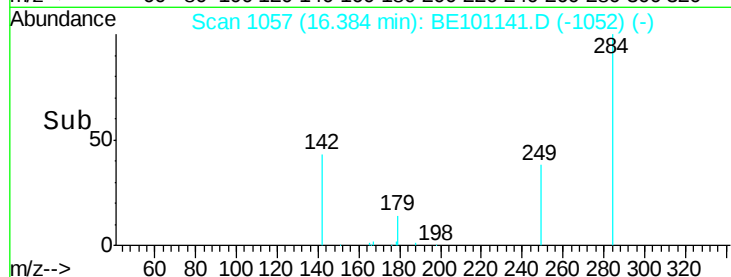
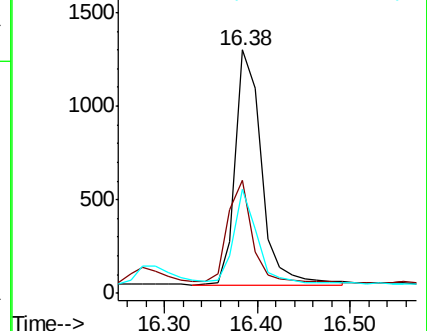
249 34.8 28.2 42.4



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: 0.251 ng

RT: 16.73 min Scan# 1083

Delta R.T. -0.03 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

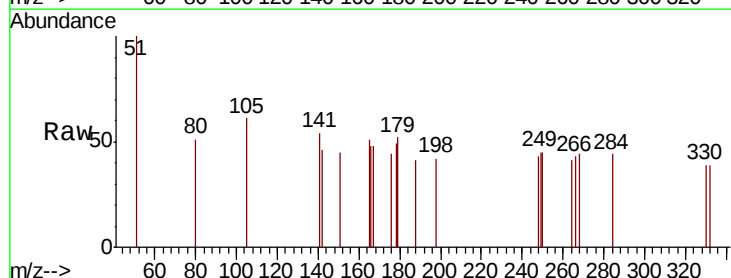
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 95.9 61.0 91.4#

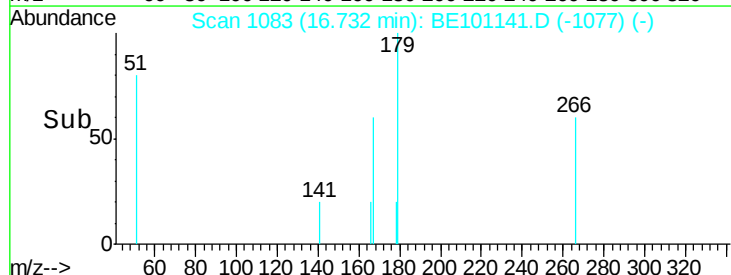
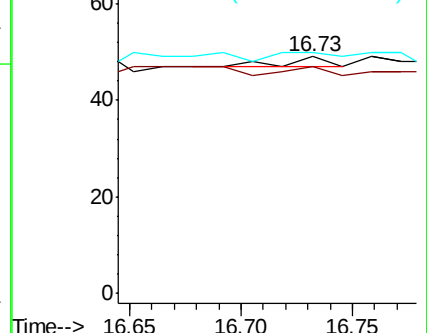
268 102.0 58.5 87.7#



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: 0.430 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

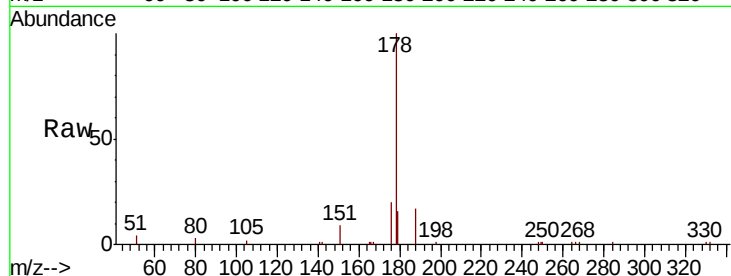
Tot Ion:178 Resp: 11610

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

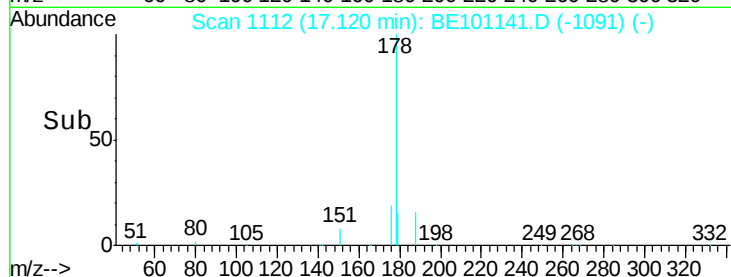
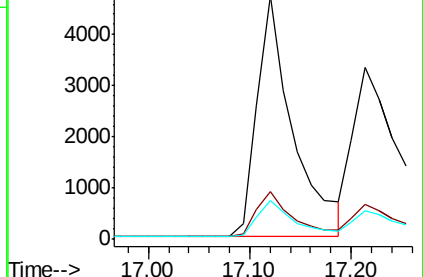
179 15.6 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.472 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

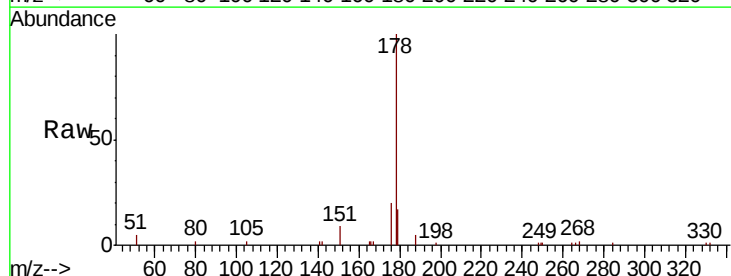
Tgt Ion:178 Resp: 12021

Ion Ratio Lower Upper

178 100

176 17.9 14.8 22.2

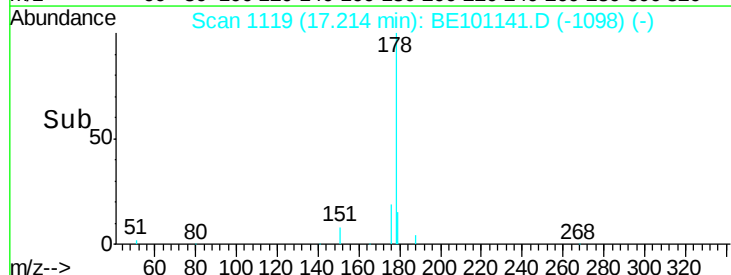
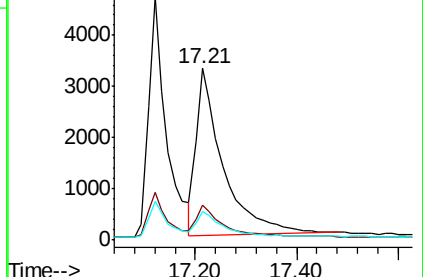
179 15.8 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.12 min Scan# 1366

Delta R.T. -0.02 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

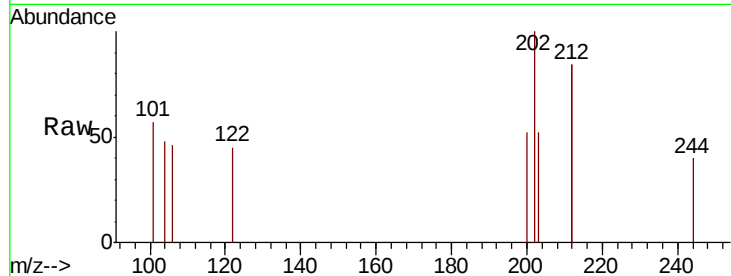
Tot Ion:212 Resp: 9

Ion Ratio Lower Upper

212 100

106 133.3 2.6 3.8#

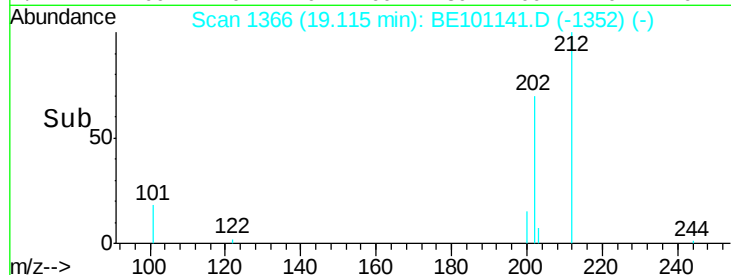
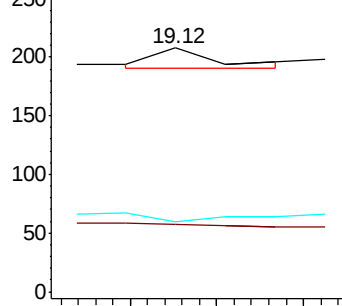
104 0.0 1.4 2.0#



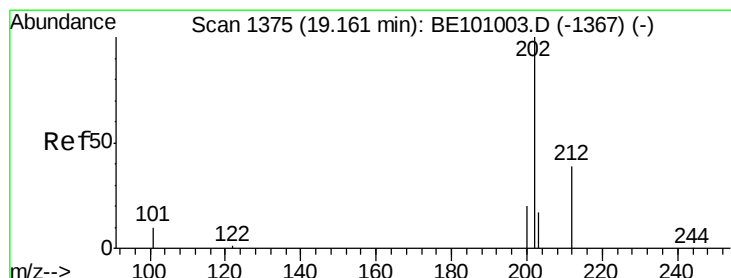
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.402 ng

RT: 19.14 min Scan# 1371

Delta R.T. -0.02 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

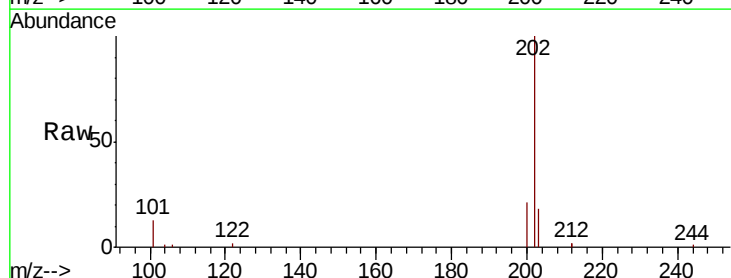
Tgt Ion:202 Resp: 13571

Ion Ratio Lower Upper

202 100

101 12.1 9.6 14.4

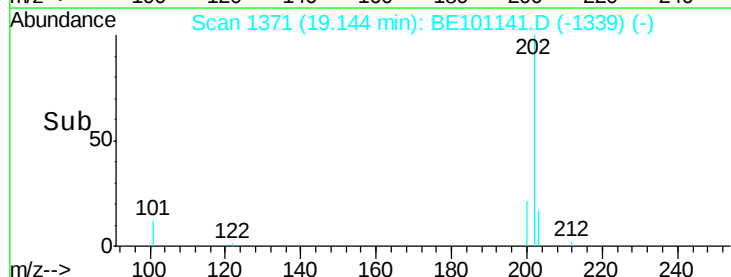
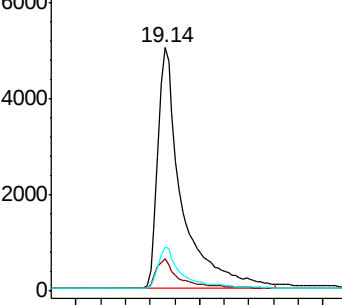
203 16.6 13.8 20.6



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: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

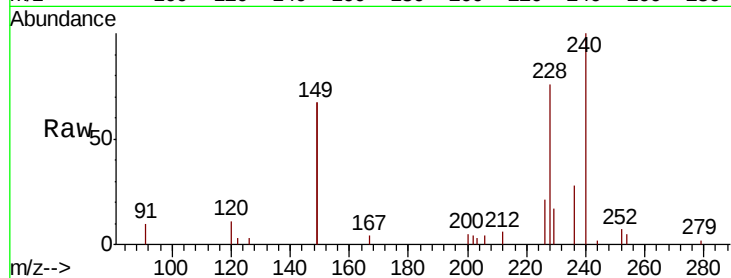
Tot Ion:240 Resp: 7832

Ion Ratio Lower Upper

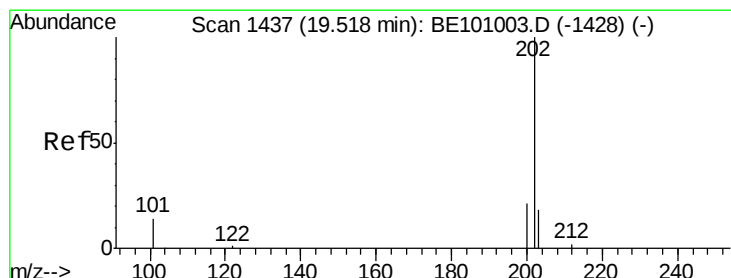
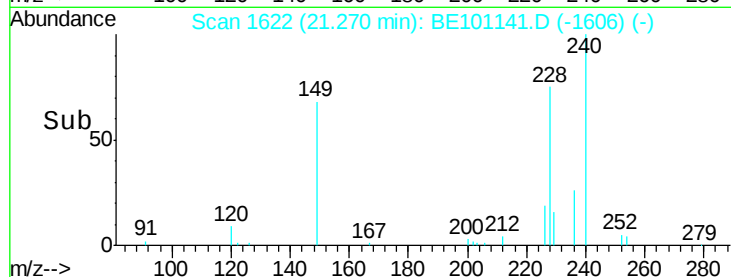
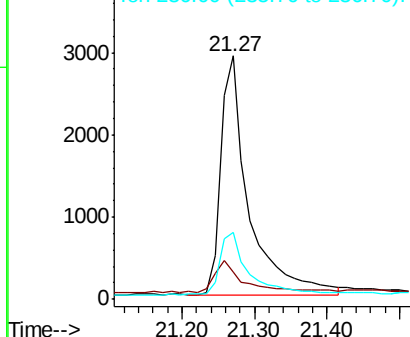
240 100

120 11.3 8.6 13.0

236 27.6 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: 0.491 ng

RT: 19.51 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

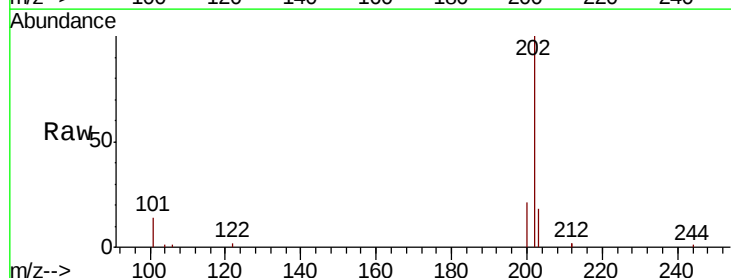
Tgt Ion:202 Resp: 14315

Ion Ratio Lower Upper

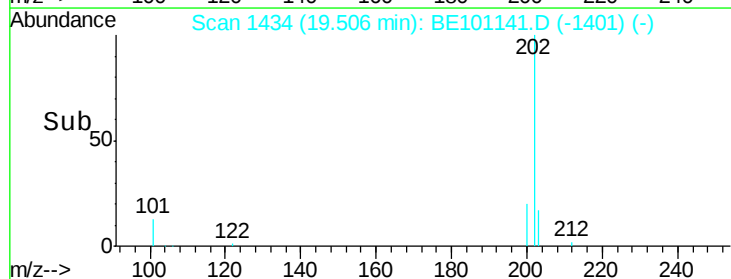
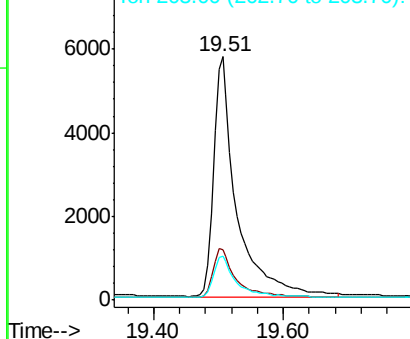
202 100

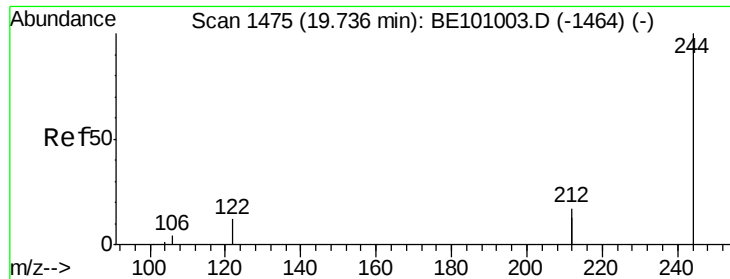
200 21.3 17.0 25.4

203 17.1 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: 0.000 ng

RT: 19.72 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampled :

SP5041

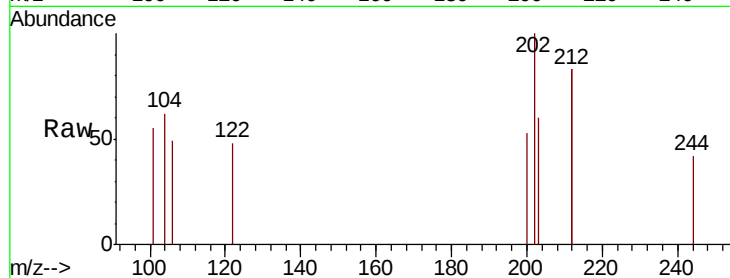
Tot Ion:244 Resp: 7

Ion Ratio Lower Upper

244 100

212 396.1 27.2 40.8#

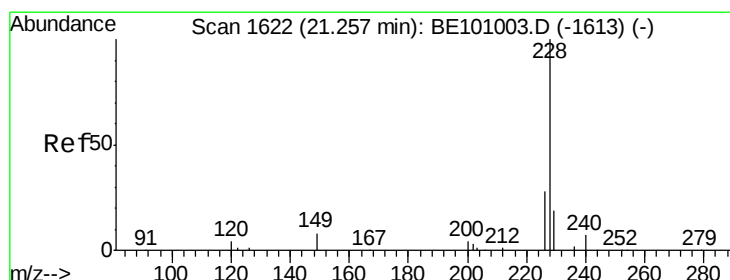
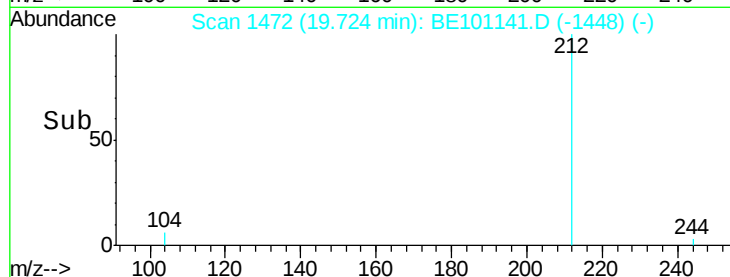
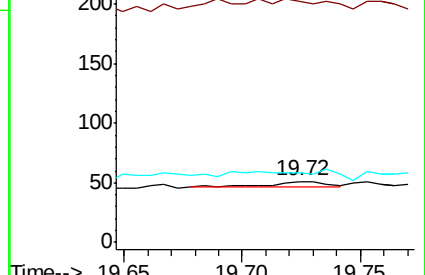
122 113.7 9.8 14.8#



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: 0.404 ng

RT: 21.25 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

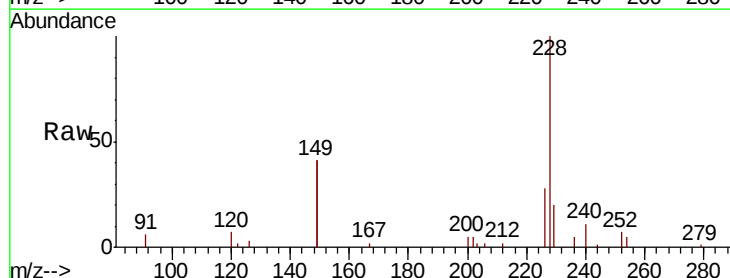
Tgt Ion:228 Resp: 9037

Ion Ratio Lower Upper

228 100

226 28.4 22.7 34.1

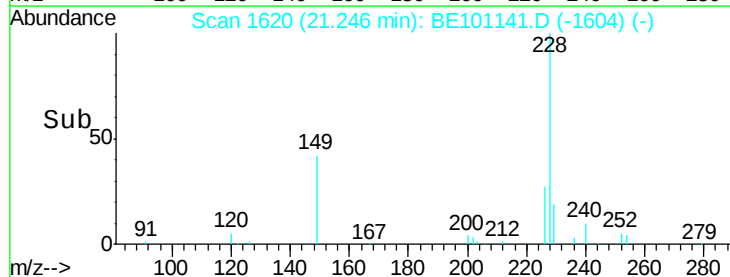
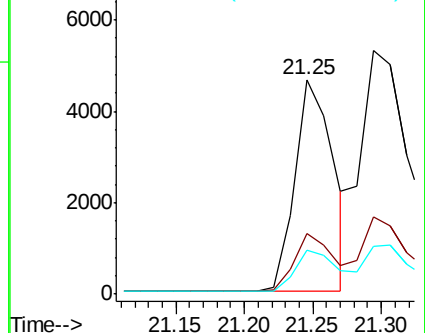
229 20.3 15.5 23.3



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: 0.499 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.02 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

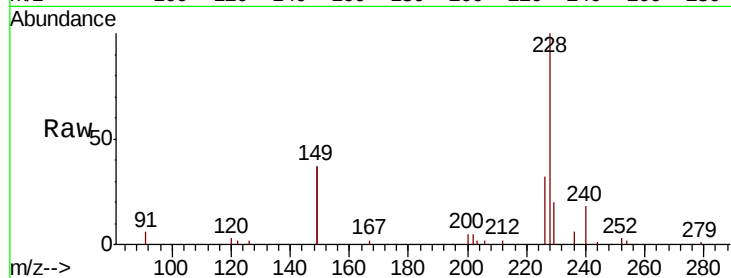
Tot Ion:228 Resp: 16588

Ion Ratio Lower Upper

228 100

226 31.6 23.5 35.3

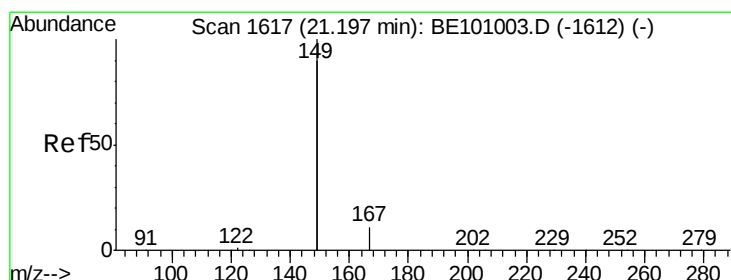
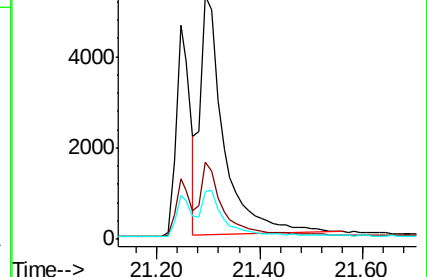
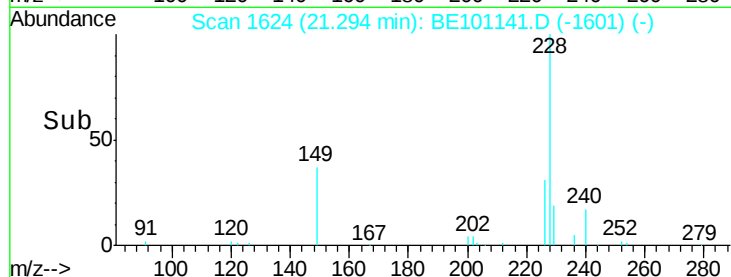
229 19.7 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.562 ng

RT: 21.17 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

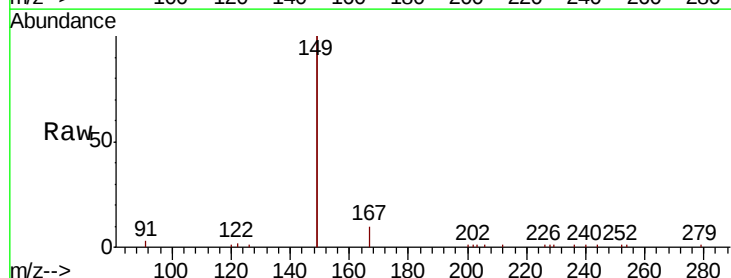
Tgt Ion:149 Resp: 20920

Ion Ratio Lower Upper

149 100

167 6.1 5.2 7.8

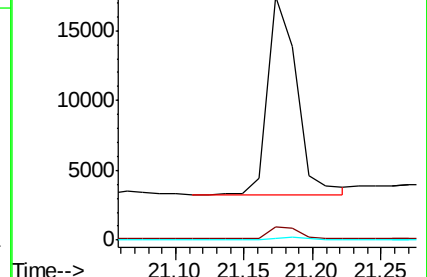
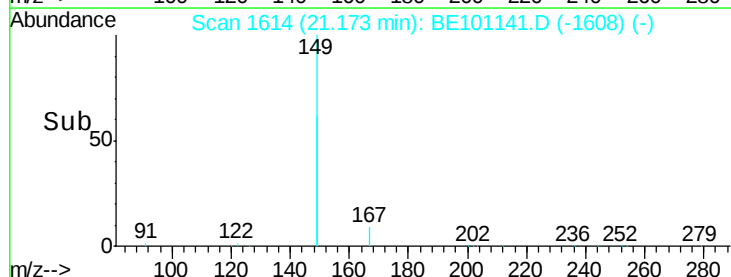
279 0.8 0.8 1.2



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: 0.710 ng

RT: 26.23 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

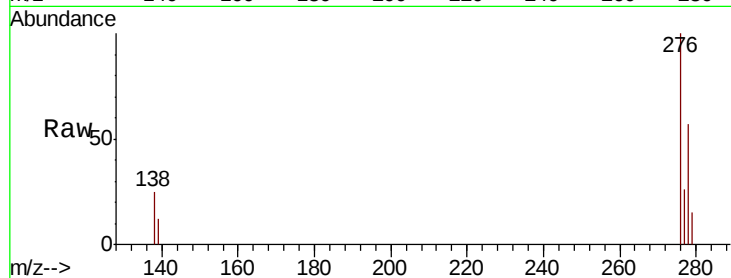
Tot Ion:276 Resp: 18621

Ion Ratio Lower Upper

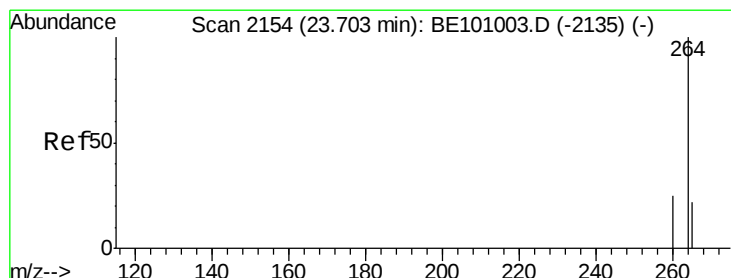
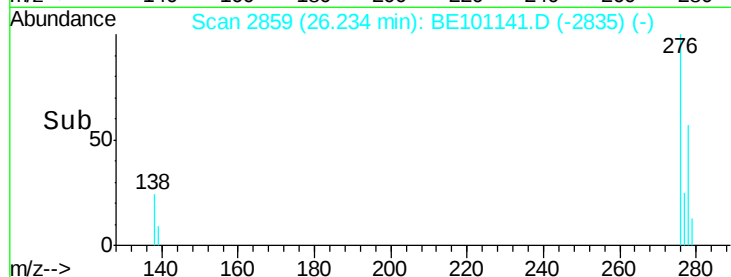
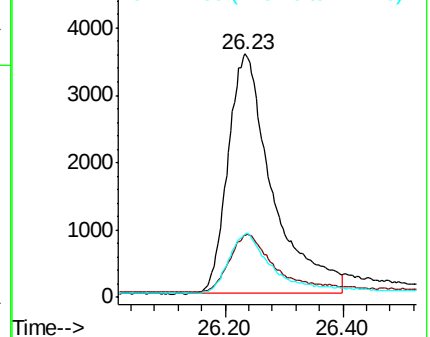
276 100

138 23.1 16.1 24.1

277 23.1 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: 23.68 min Scan# 2148

Delta R.T. -0.02 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

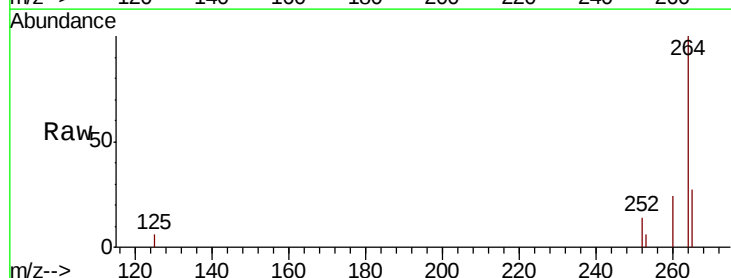
Tgt Ion:264 Resp: 10223

Ion Ratio Lower Upper

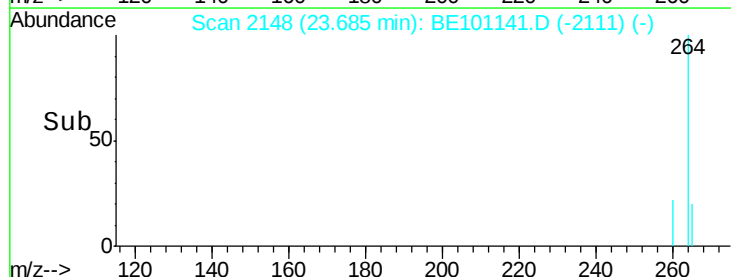
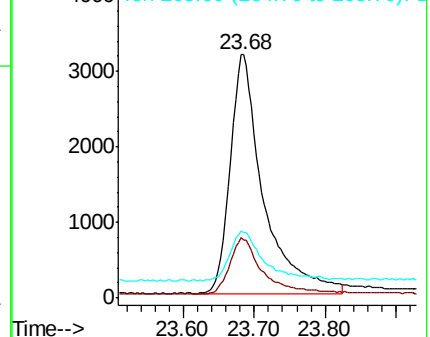
264 100

260 23.7 20.3 30.5

265 27.2 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: 0.366 ng

RT: 22.94 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

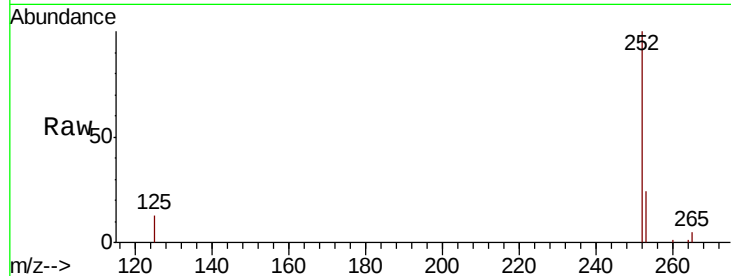
Tot Ion:252 Resp: 10502

Ion Ratio Lower Upper

252 100

253 24.2 18.5 27.7

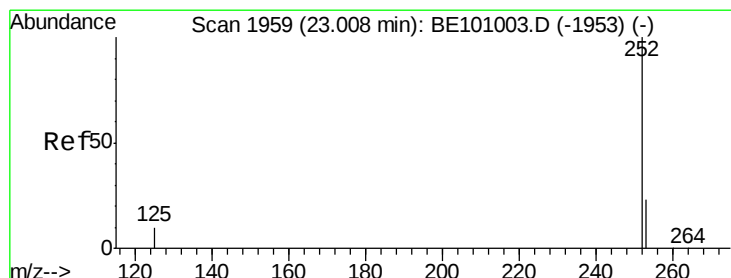
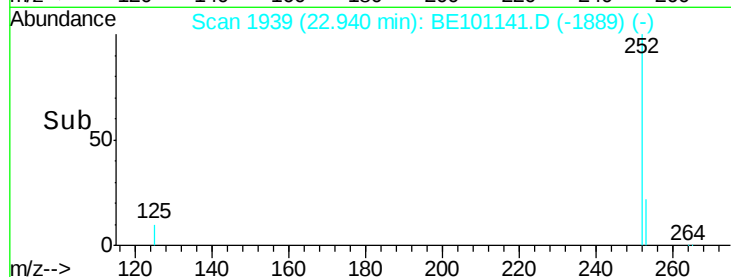
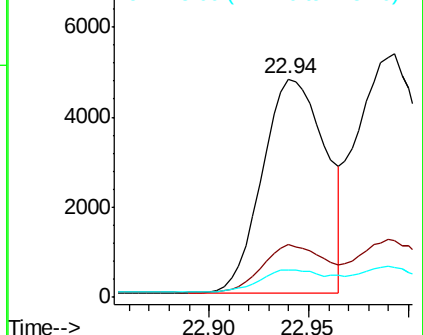
125 12.7 9.5 14.3



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: 0.387 ng

RT: 22.99 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

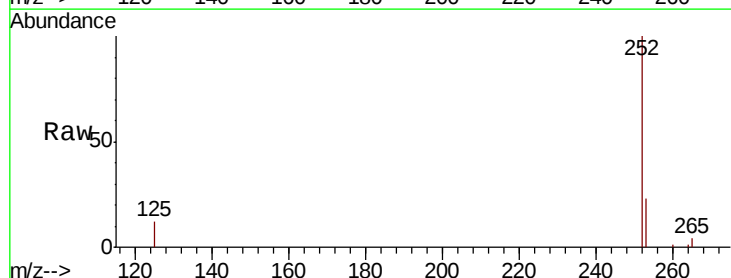
Tgt Ion:252 Resp: 16060

Ion Ratio Lower Upper

252 100

253 23.5 18.9 28.3

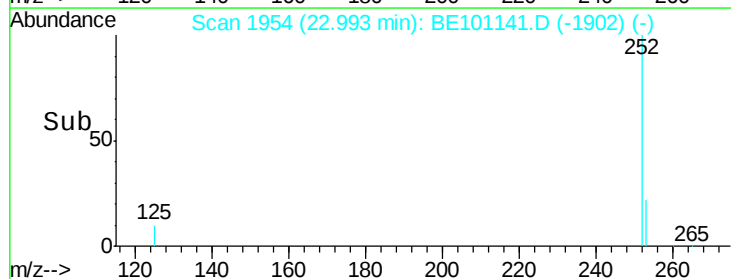
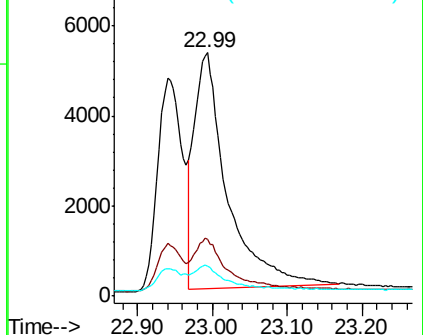
125 12.0 10.1 15.1



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: 0.484 ng

RT: 23.58 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

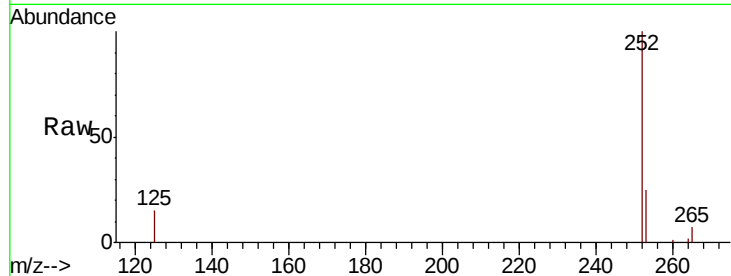
Tot Ion:252 Resp: 13416

Ion Ratio Lower Upper

252 100

253 24.6 19.4 29.2

125 14.9 11.8 17.6

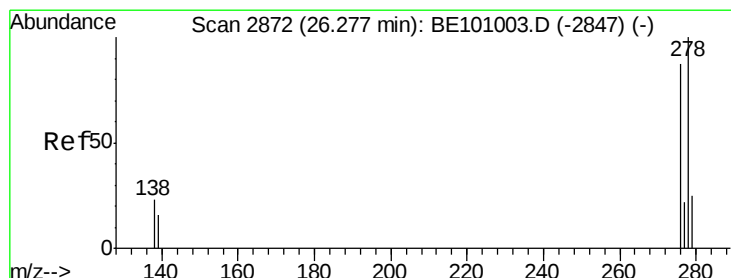
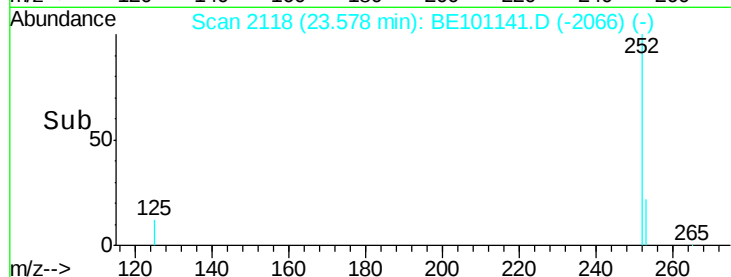
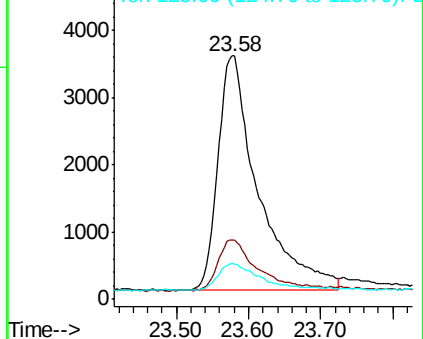


Abundance

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: 0.585 ng

RT: 26.25 min Scan# 2864

Delta R.T. -0.03 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

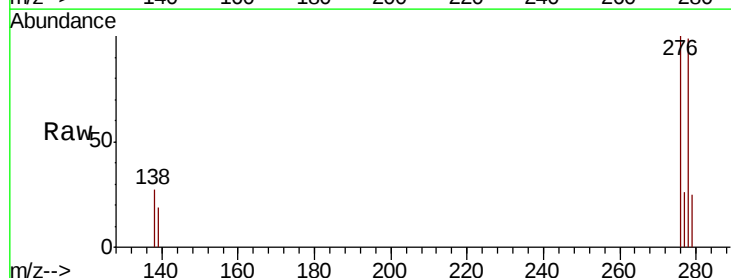
Tgt Ion:278 Resp: 14921

Ion Ratio Lower Upper

278 100

139 18.9 15.0 22.4

279 25.3 22.6 33.8

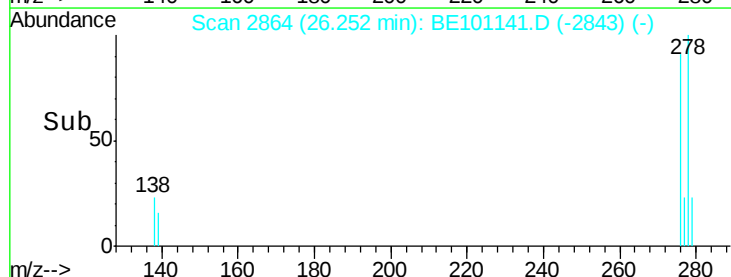
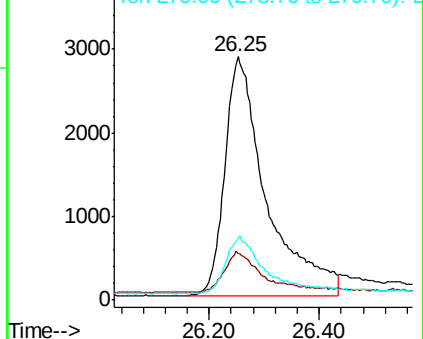


Abundance

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: 0.565 ng

RT: 27.00 min Scan# 3075

Delta R.T. -0.02 min

Lab File: BE101141.D

Acq: 7 Feb 2020 17:06

Instrument :

BNA_E

ClientSampleId :

SP5041

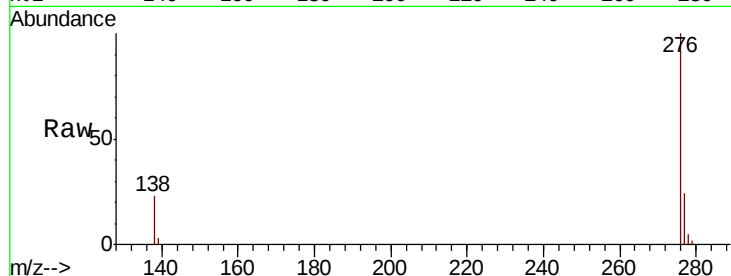
Tot Ion:276 Resp: 17735

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.2

138 23.1 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

