

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020420\
 Data File : BG044297.D
 Acq On : 5 Feb 2020 1:50
 Operator : CG/JU
 Sample : L1377-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 04:40:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

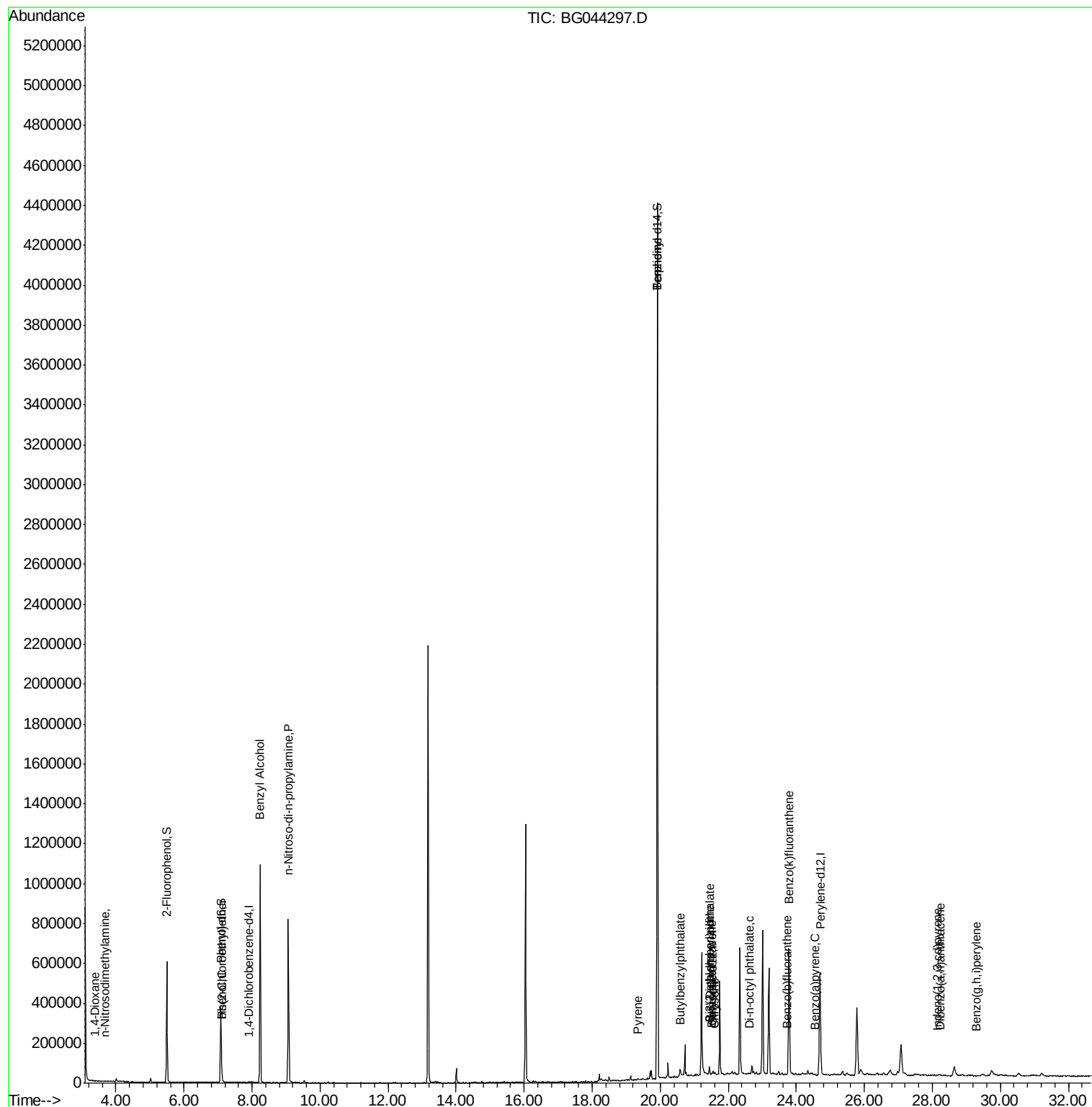
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1483	20.00	ng	0.00
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.72
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.55
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.30
76) Chrysene-d12	21.54	240	70	20.00	ng	0.00
87) Perylene-d12	24.70	264	56	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	309283	3680.62	ng	0.00
7) Phenol-d6	7.08	99	251490	2228.73	ng	0.00
23) Nitrobenzene-d5	9.07	82	540235	0.00	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	260222	0.00	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1179568	0.00	ng	0.00
79) Terphenyl-d14	19.91	244	2022909	594408.94	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.39	88	548	14.515	ng	# 35
4) n-Nitrosodimethylamine	3.69	42	354	8.422	ng	# 1
10) Phenol	7.11	94	13530	121.156	ng	# 91
11) bis(2-Chloroethyl)ether	7.11	93	246	2.577	ng	# 1
15) Benzyl Alcohol	8.24	79	8187	102.481	ng	# 50
19) n-Nitroso-di-n-propylamine	9.07	70	69108	918.959	ng	# 77
77) Benzidine	19.91	184	34174	17600.669	ng	# 93
78) Pyrene	19.35	202	1696	377.273	ng	# 96
80) Butylbenzylphthalate	20.57	149	318	155.227	ng	# 61
81) Benzo(a)anthracene	21.52	228	964	223.450	ng	# 50
82) 3,3'-Dichlorobenzidine	21.45	252	56	33.445	ng	# 1
83) Chrysene	21.59	228	1348	323.258	ng	# 38
84) Bis(2-ethylhexyl)phthalate	21.45	149	14956	5304.027	ng	# 95
85) Di-n-octyl phthalate	22.62	149	924	189.391	ng	# 74
86) Indeno(1,2,3-cd)pyrene	28.13	276	152	27.939	ng	# 50
88) Benzo(b)fluoranthene	23.74	252	559	173.230	ng	# 25
89) Benzo(k)fluoranthene	23.78	252	919	292.204	ng	# 1
90) Benzo(a)pyrene	24.55	252	195	63.913	ng	# 1
91) Dibenzo(a,h)anthracene	28.23	278	177	58.619	ng	# 9
92) Benzo(a,h,i)perylene	29.30	276	146	48.301	ng	# 54

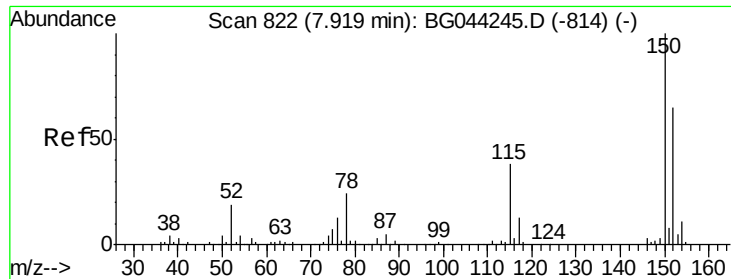
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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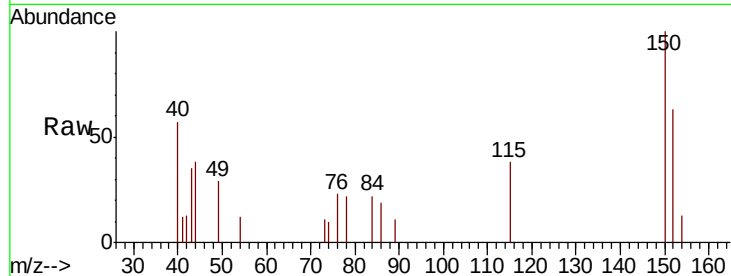


#1

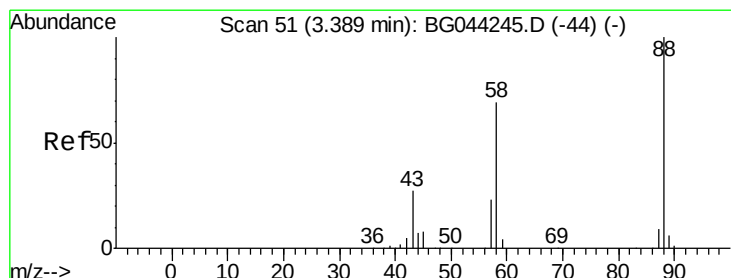
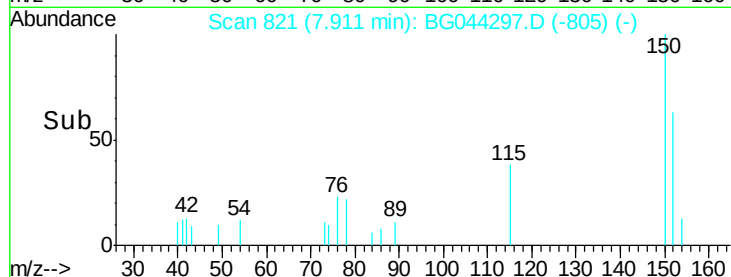
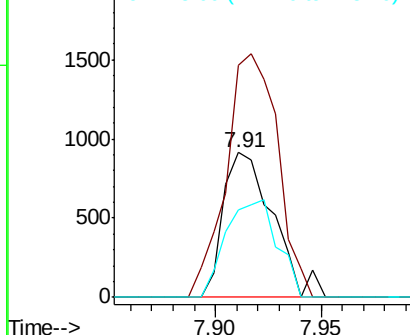
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 1483
Ion Ratio Lower Upper
152 100
150 159.9 122.6 183.8
115 60.2 46.0 69.0



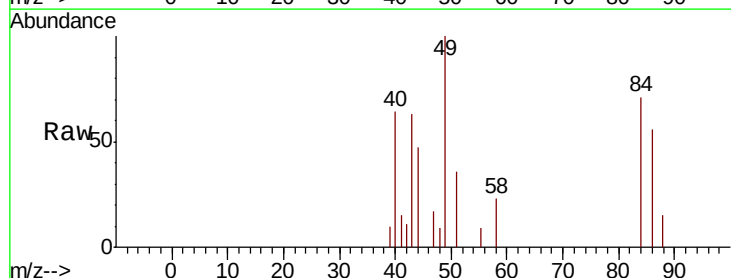
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



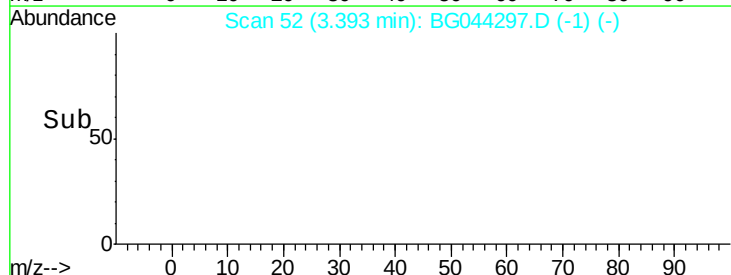
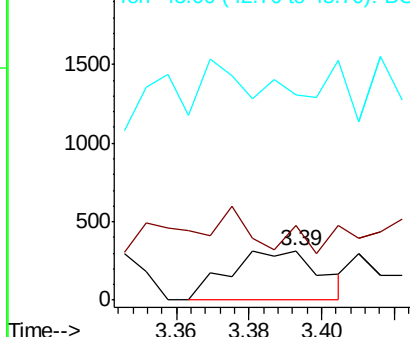
#2

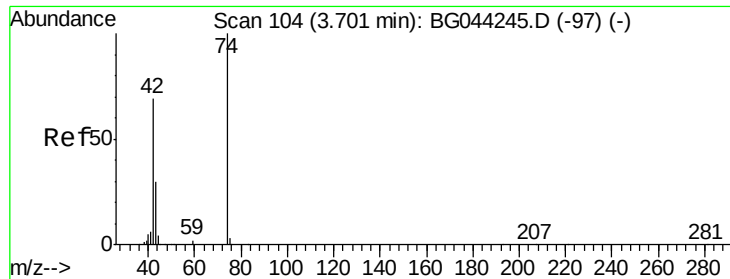
1,4-Dioxane
Concen: 14.515 ng
RT: 3.39 min Scan# 52
Delta R.T. 0.00 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

Tgt Ion: 88 Resp: 548
Ion Ratio Lower Upper
88 100
58 11.9 55.8 83.6#
43 0.0 21.6 32.4#



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





#4

n-Nitrosodimethylamine

Concen: 8.422 ng

RT: 3.69 min Scan# 102

Delta R.T. -0.01 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

Instrument :

BNA_G

ClientSampleId :

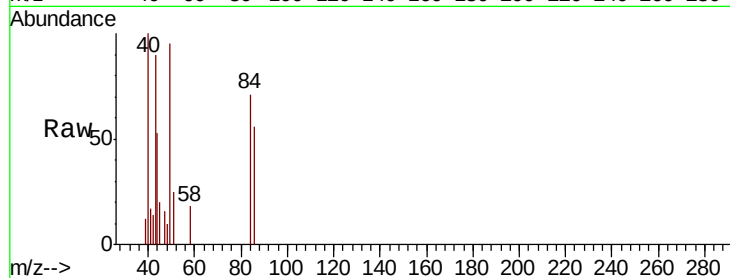
Tot Ion: 42 Resp: 354

Ion Ratio Lower Upper

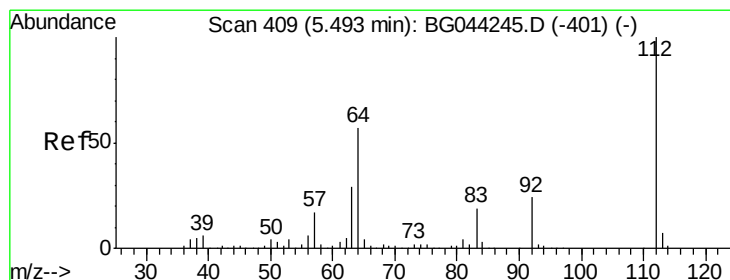
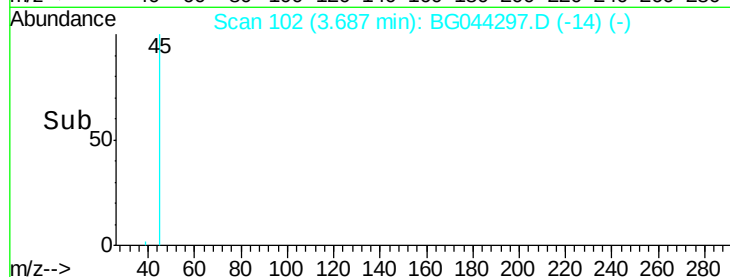
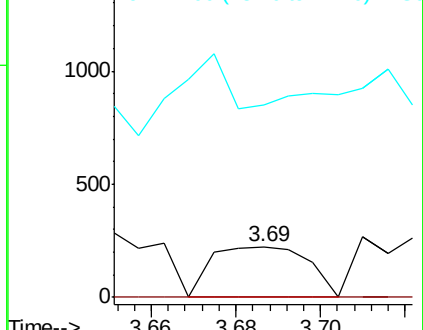
42 100

74 0.0 115.1 172.7#

44 378.7 5.6 8.4#



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



#5

2-Fluorophenol

Concen: 3680.619 ng

RT: 5.50 min Scan# 410

Delta R.T. 0.00 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

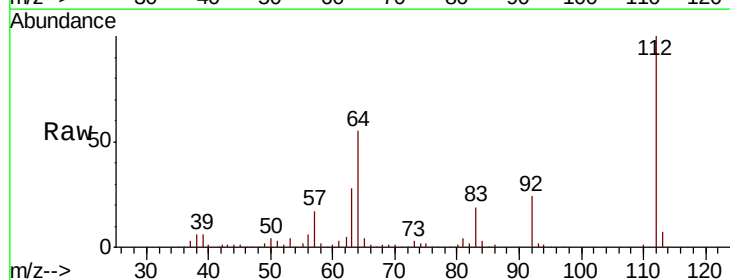
Tgt Ion: 112 Resp: 309283

Ion Ratio Lower Upper

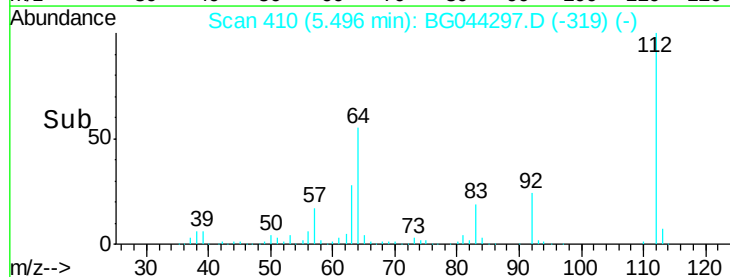
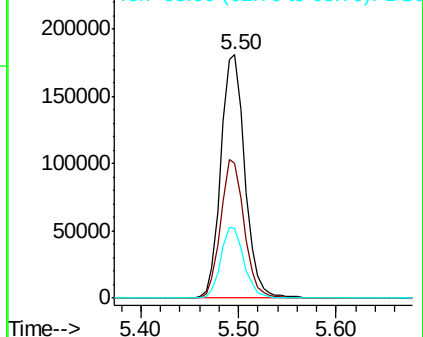
112 100

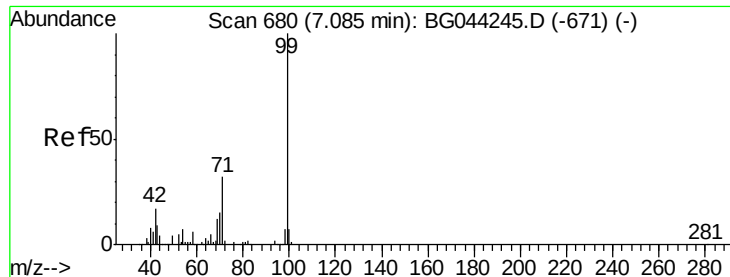
64 55.1 45.4 68.2

63 28.3 22.9 34.3



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





#7

Phenol-d6

Concen: 2228.733 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

Instrument :

BNA_G

ClientSampleId :

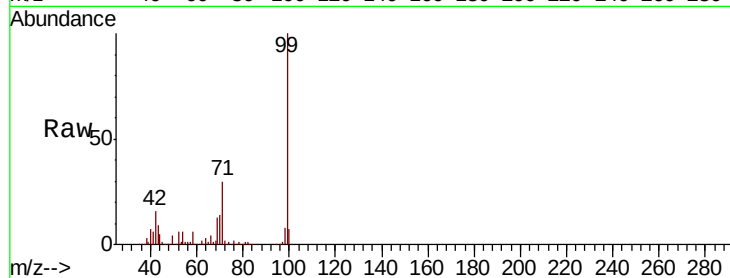
Tot Ion: 99 Resp: 251490

Ion Ratio Lower Upper

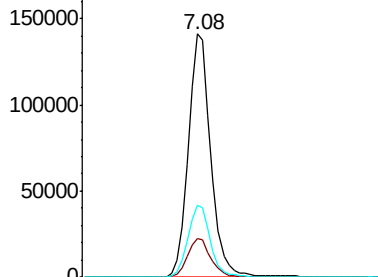
99 100

42 16.0 13.8 20.6

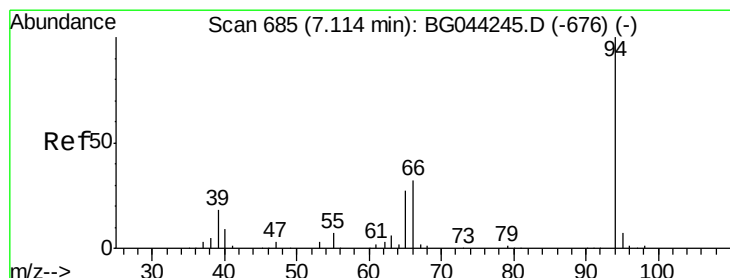
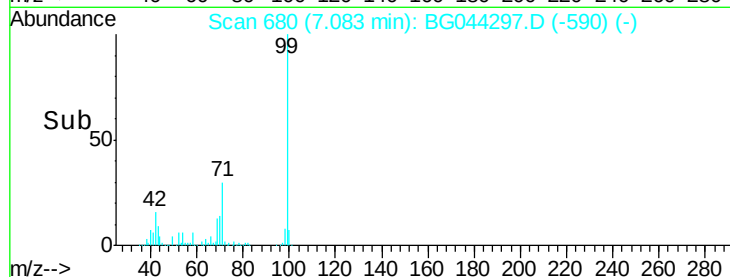
71 29.6 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



Time-->



#10

Phenol

Concen: 121.156 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.00 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

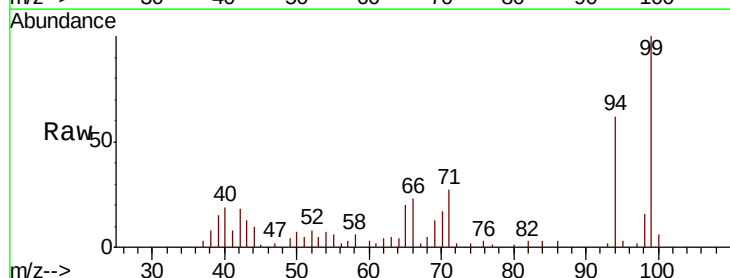
Tgt Ion: 94 Resp: 13530

Ion Ratio Lower Upper

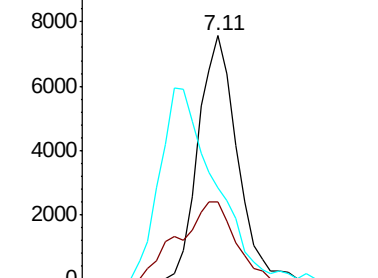
94 100

65 31.8 7.0 47.0

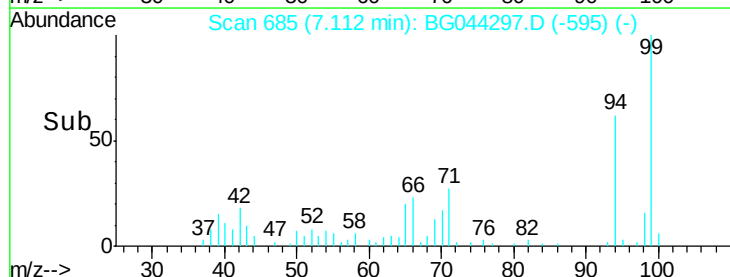
66 37.3 12.7 52.7

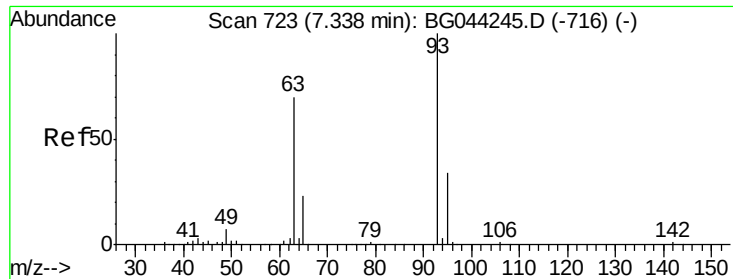


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



Time-->

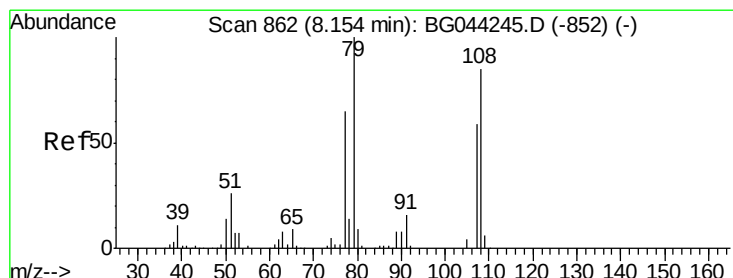
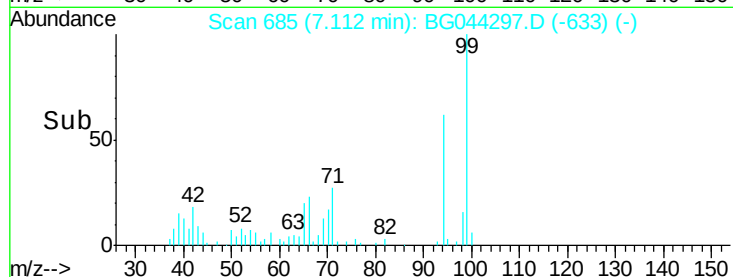
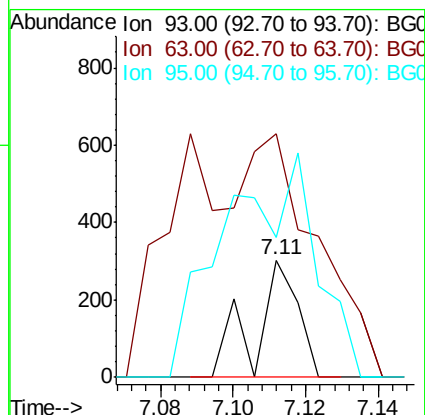
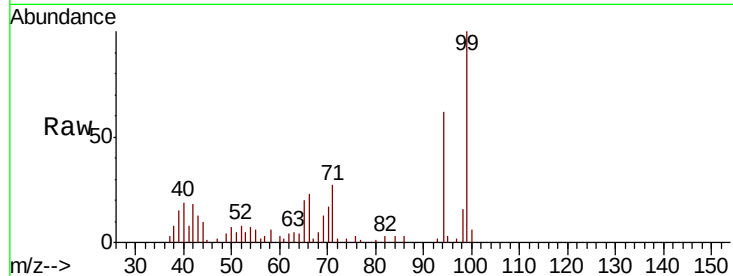




#11
bis(2-Chloroethyl)ether
Concen: 2.577 ng
RT: 7.11 min Scan# 685
Delta R.T. -0.23 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

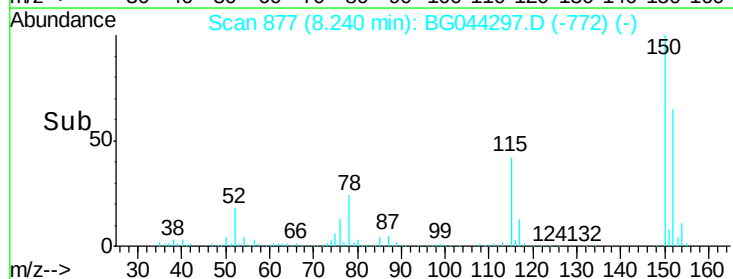
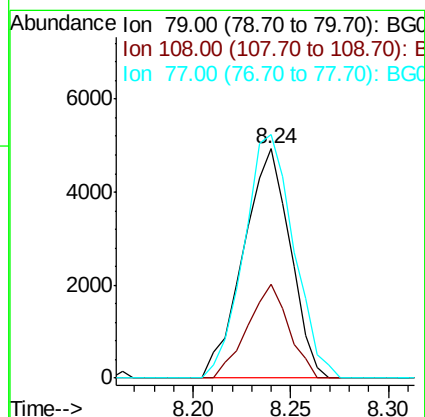
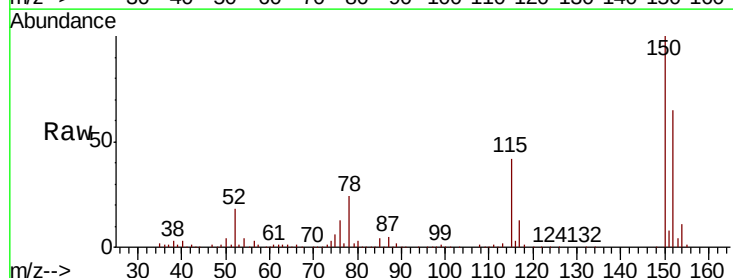
Instrument :
BNA_G
ClientSampled :

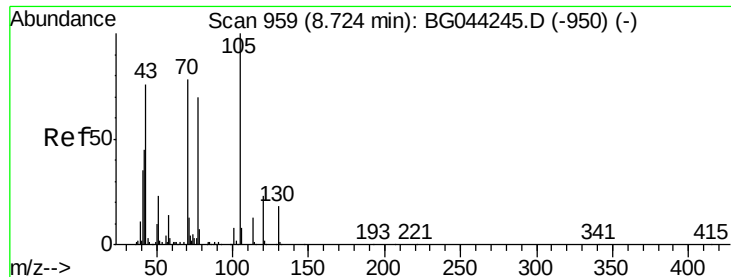
Tot Ion: 93 Resp: 246
Ion Ratio Lower Upper
93 100
63 208.3 49.2 89.2#
95 119.2 13.6 53.6#



#15
Benzyl Alcohol
Concen: 102.481 ng
RT: 8.24 min Scan# 877
Delta R.T. 0.09 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

Tgt Ion: 79 Resp: 8187
Ion Ratio Lower Upper
79 100
108 41.1 68.3 102.5#
77 106.3 51.8 77.8#

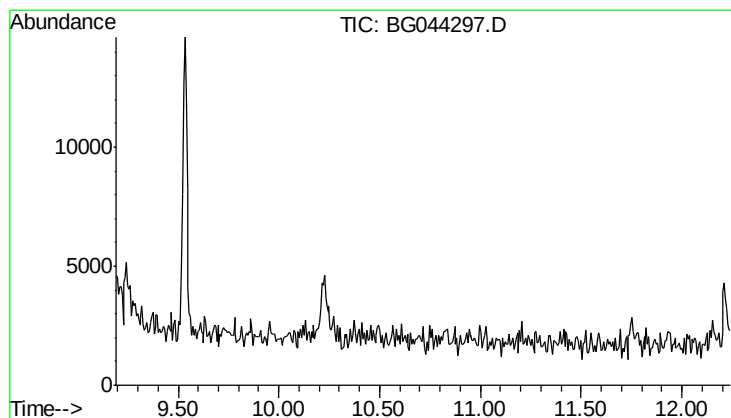
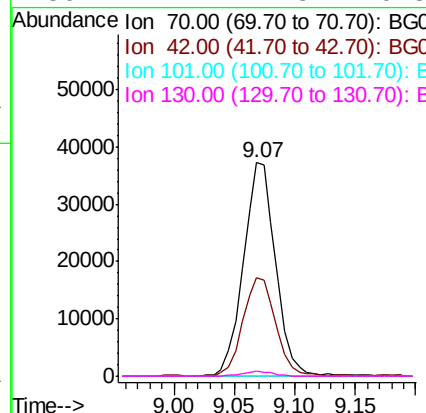
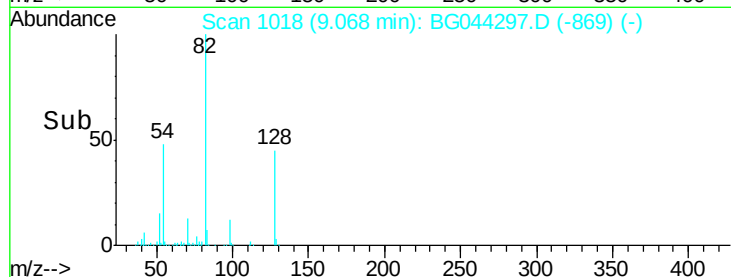
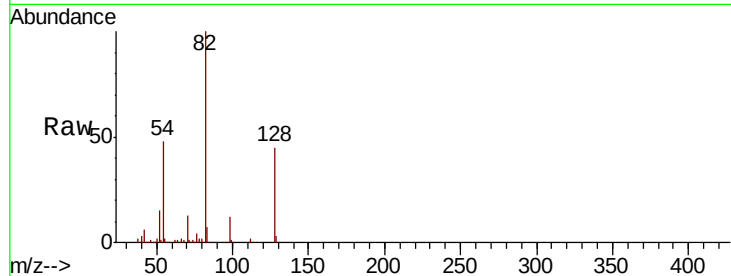




#19
n-Nitroso-di-n-propylamine
Concen: 918.959 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.34 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

Instrument :
BNA_G
ClientSampleId :

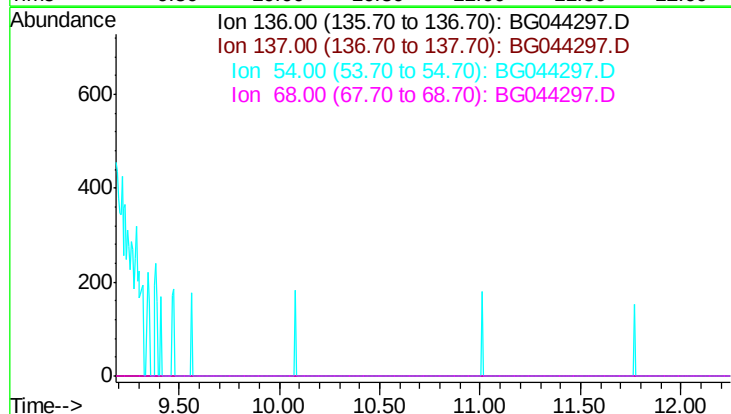
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	46.2	46.2	69.2	
101	0.0	8.4	12.6	#
130	2.4	17.8	26.8	#

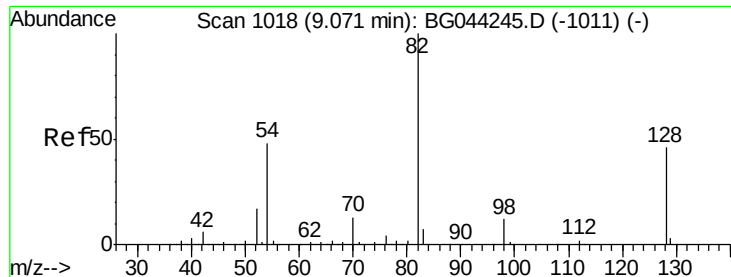


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

Tgt Ion	Sig	Exp Ratio
136	100	
137	11.0	
54	7.3	
68	5.7	

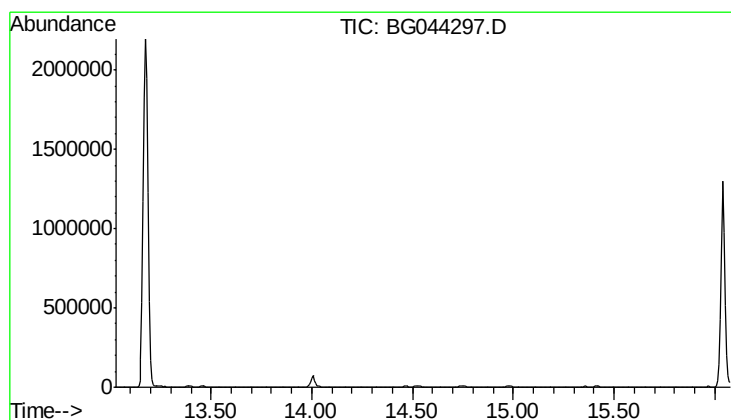
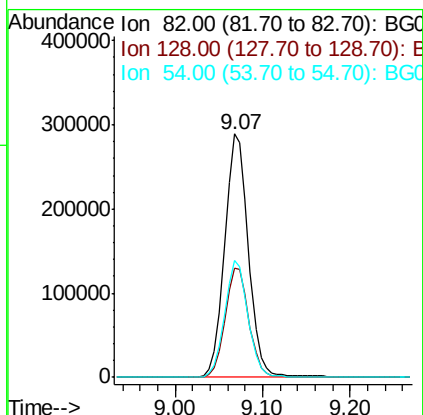
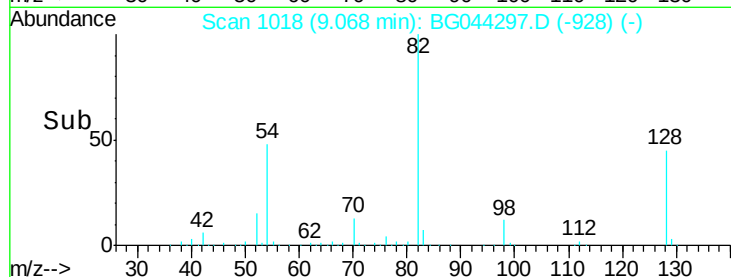
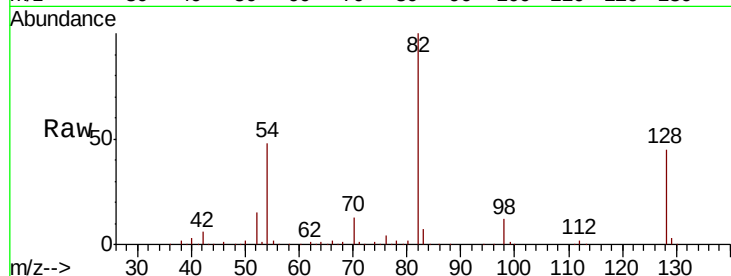




#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

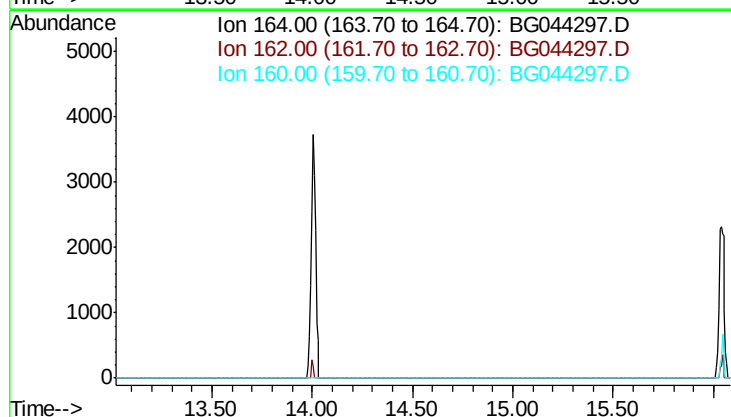
Instrument :
BNA_G
ClientSampleId :

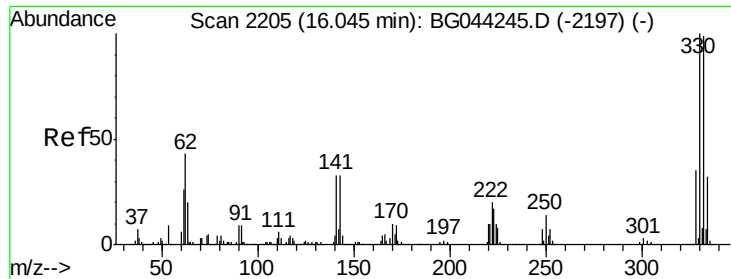
Tot Ion	Ion	Ratio	Lower	Upper
82	100			
128	44.8	36.5	54.7	
54	48.0	38.6	58.0	



#39
Acenaphthene-d10
Concen: 0.000 ng
Expected RT: 14.55 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

Tgt Ion	Sig	Exp Ratio
164	100	
162	100.9	
160	44.1	





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

Instrument :

BNA_G

ClientSampled :

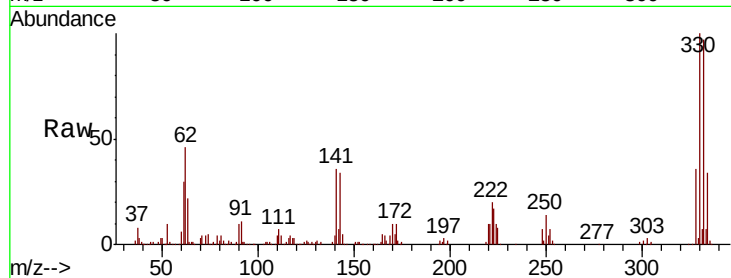
Tot Ion:330 Resp: 260222

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

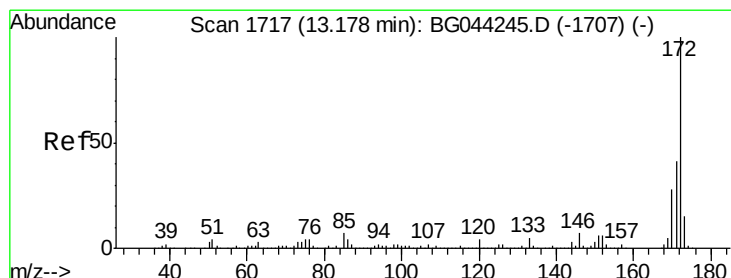
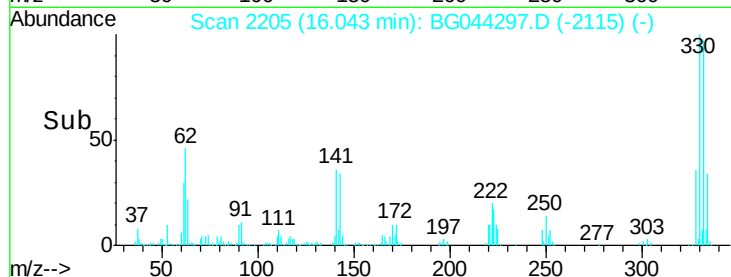
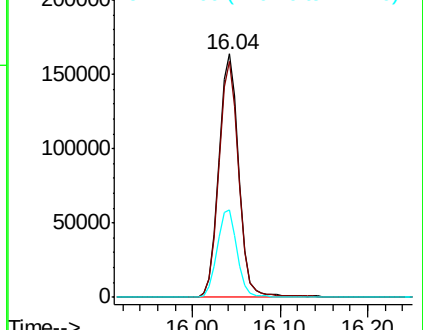
141 36.0 28.3 42.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 13.18 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

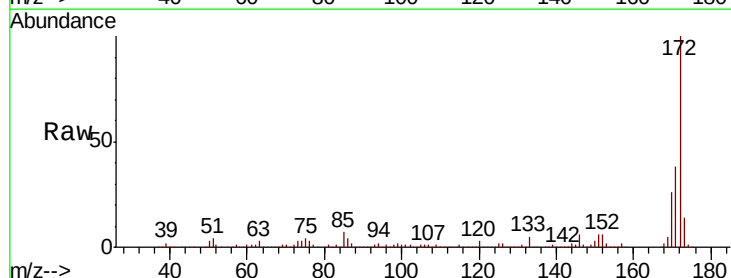
Tgt Ion:172 Resp: 1179568

Ion Ratio Lower Upper

172 100

171 38.4 32.9 49.3

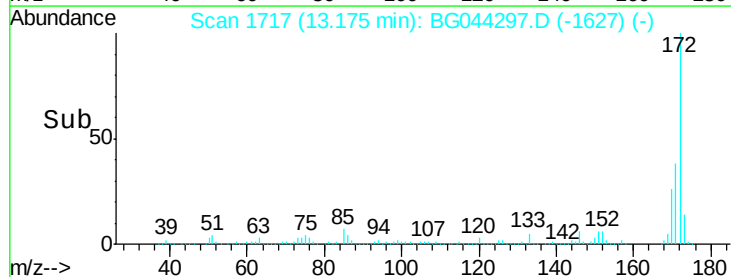
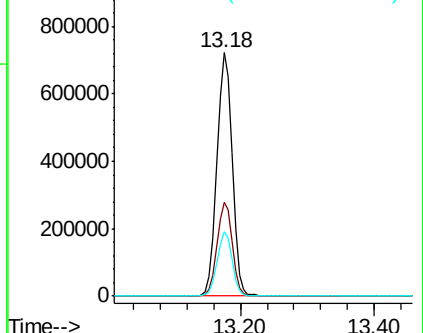
170 26.3 22.0 33.0

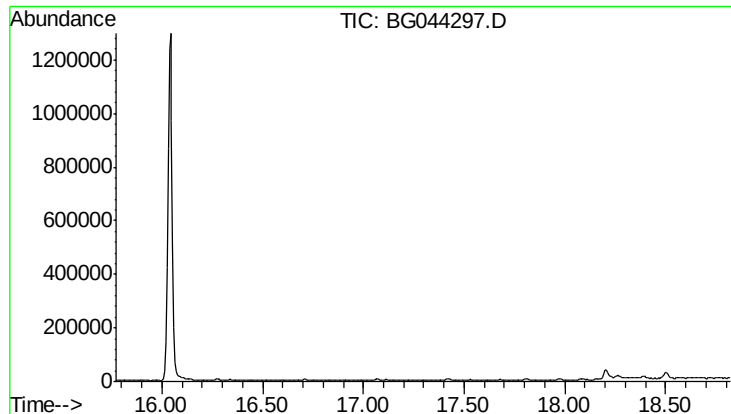


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

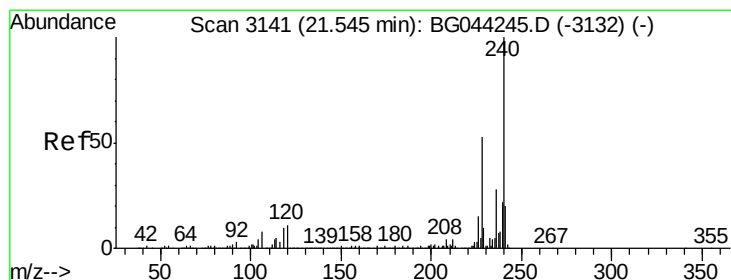
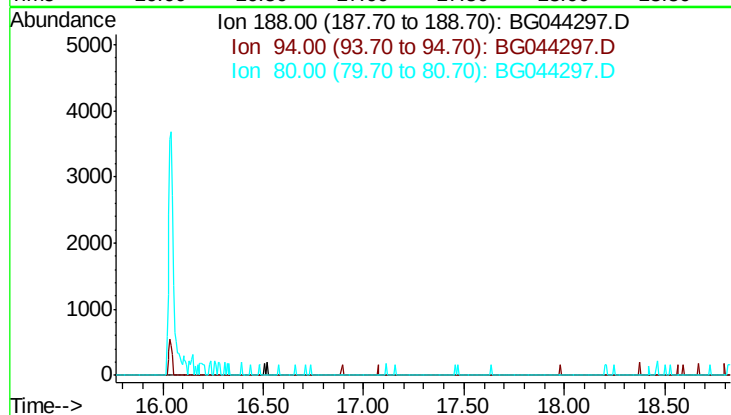




#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.30 min
 Lab File: BG044297.D
 Acq: 5 Feb 2020 1:50

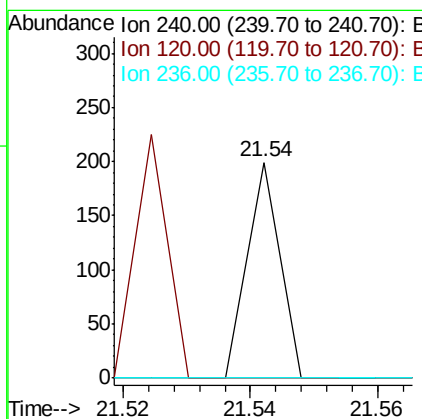
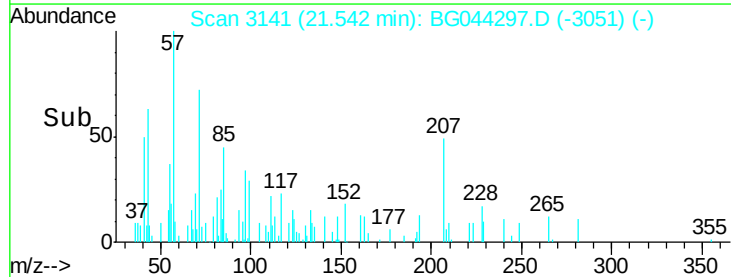
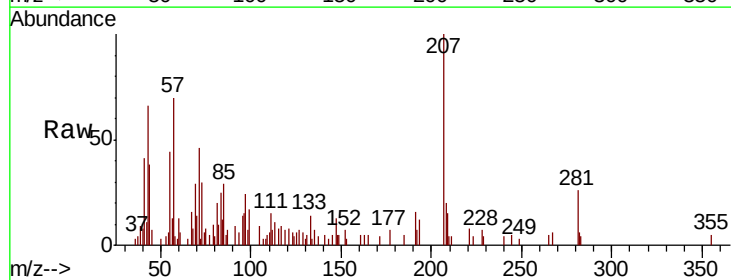
Instrument :
 BNA_G
 ClientSampleId :

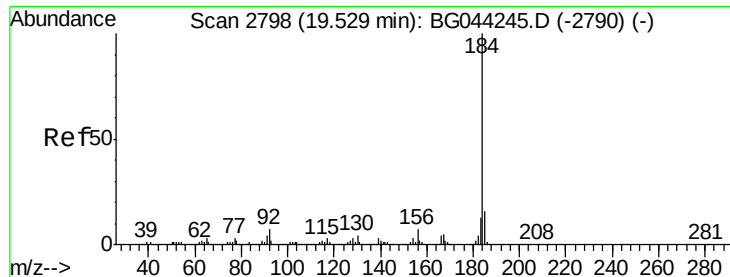
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 9.3
 80 9.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG044297.D
 Acq: 5 Feb 2020 1:50

Tgt Ion: 240 Resp: 70
 Ion Ratio Lower Upper
 240 100
 120 0.0 8.4 12.6#
 236 0.0 22.1 33.1#





#77

Benzidine

Concen: 17600.669 ng

RT: 19.91 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

Instrument :

BNA_G

ClientSampleId :

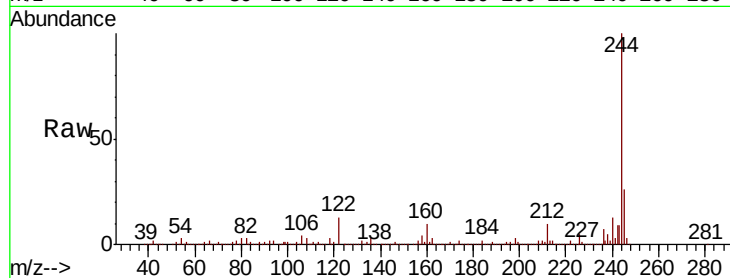
Tot Ion:184 Resp: 34174

Ion Ratio Lower Upper

184 100

185 15.6 12.9 19.3

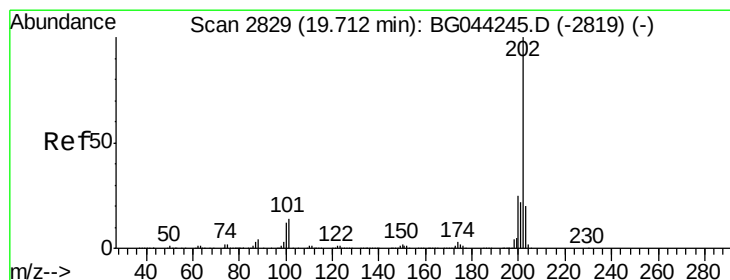
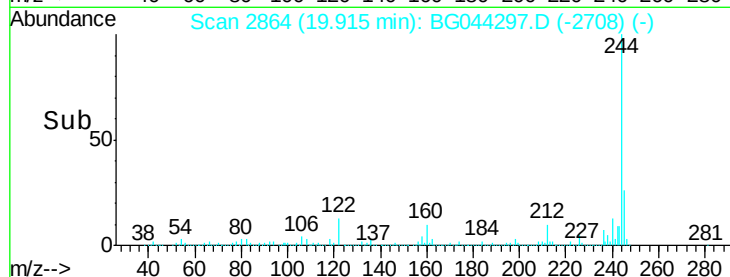
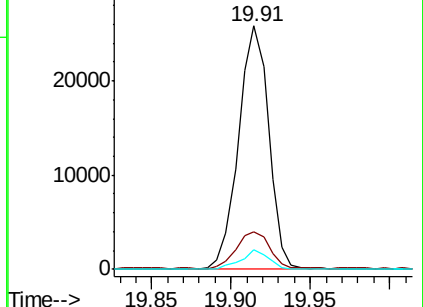
183 8.0 10.8 16.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 377.273 ng

RT: 19.35 min Scan# 2768

Delta R.T. -0.36 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

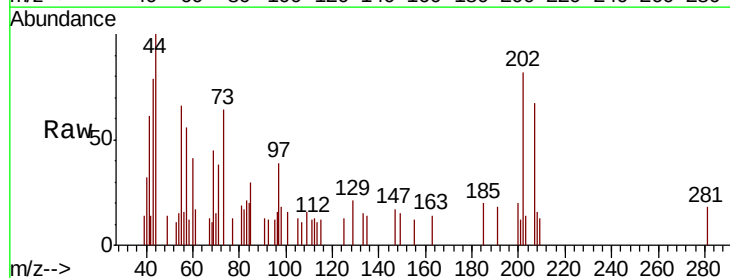
Tgt Ion:202 Resp: 1696

Ion Ratio Lower Upper

202 100

200 24.0 20.0 30.0

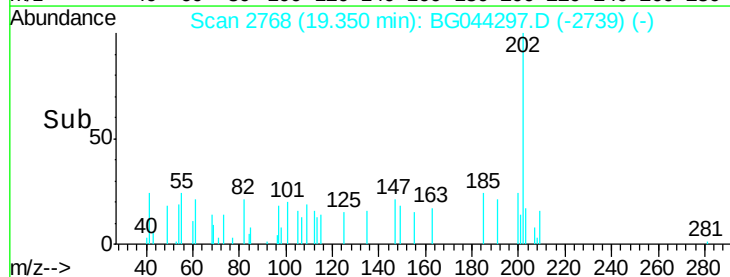
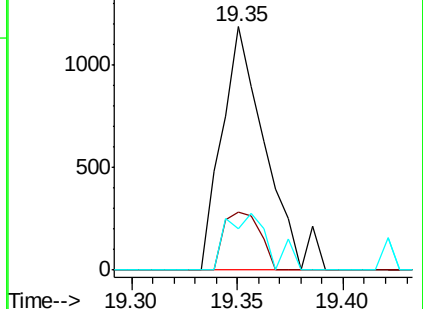
203 16.8 16.2 24.2

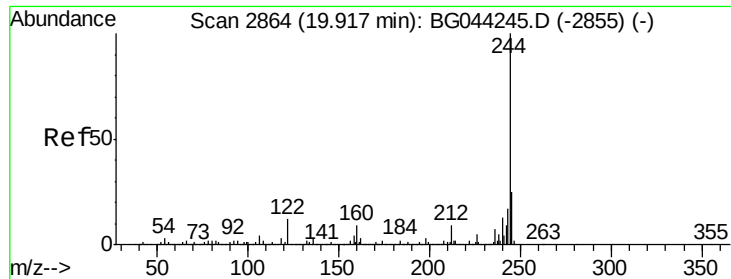


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 594408.942 ng

RT: 19.91 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

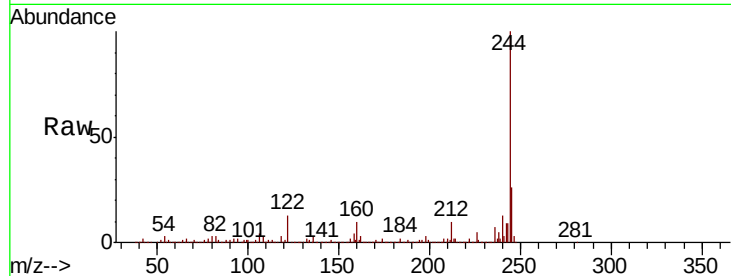
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2022909

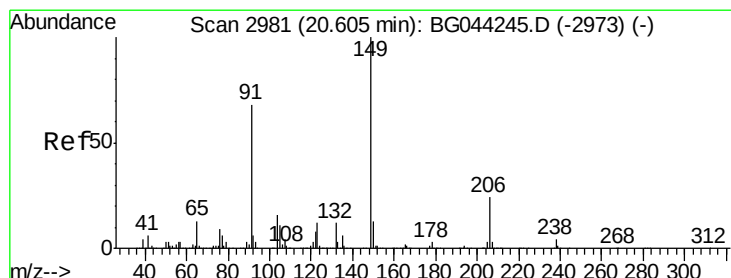
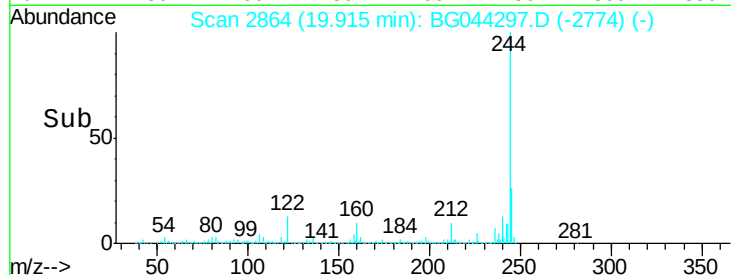
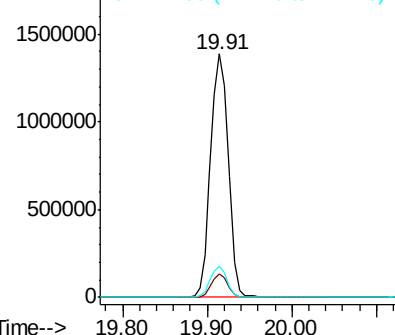
Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.4	11.2
122	13.0	9.8	14.6



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



#80

Butylbenzylphthalate

Concen: 155.227 ng

RT: 20.57 min Scan# 2976

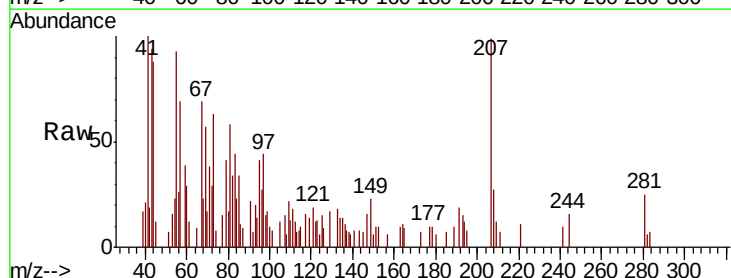
Delta R.T. -0.03 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

Tgt Ion:149 Resp: 318

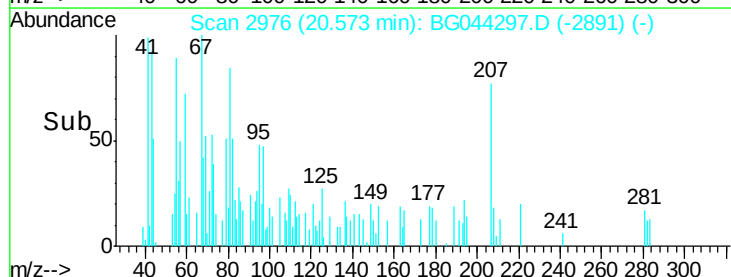
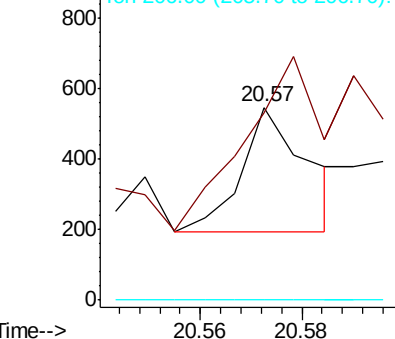
Ion	Ratio	Lower	Upper
149	100		
91	97.4	54.5	81.7#
206	0.0	19.1	28.7#

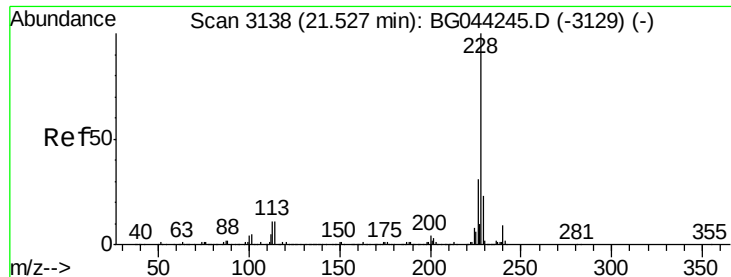


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

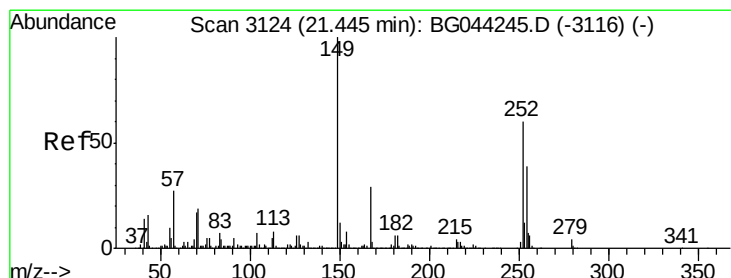
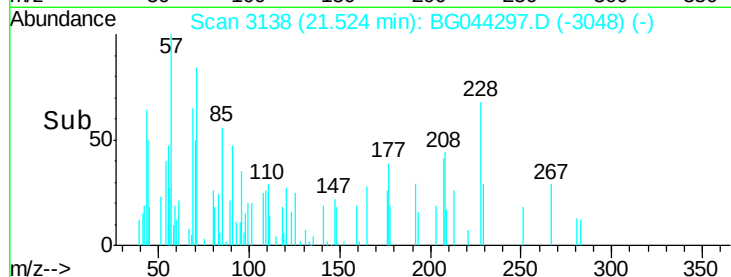
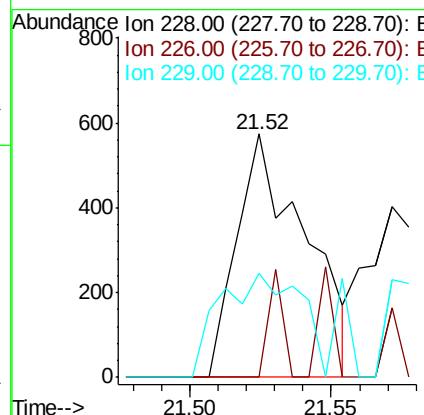
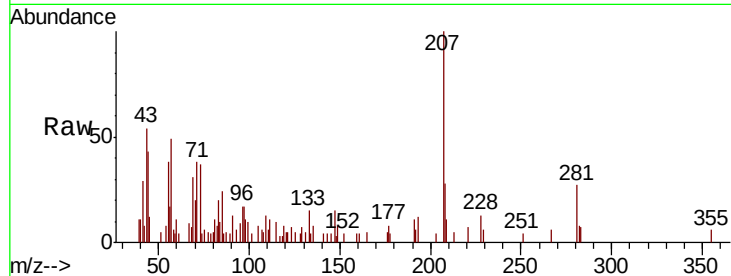




#81
Benzo(a)anthracene
Concen: 223.450 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

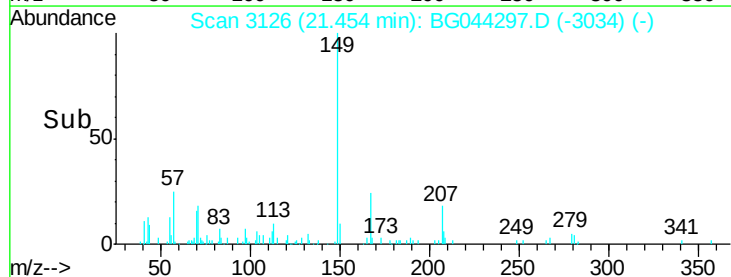
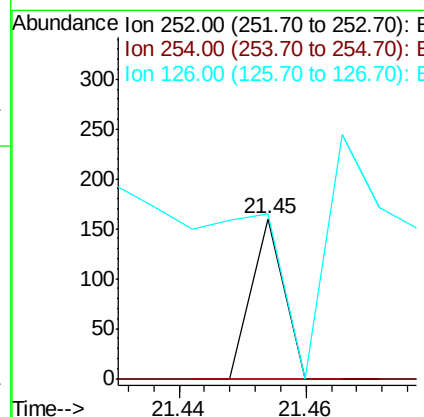
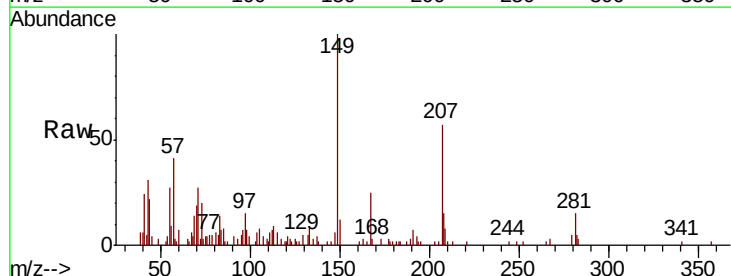
Instrument :
BNA_G
ClientSampled :

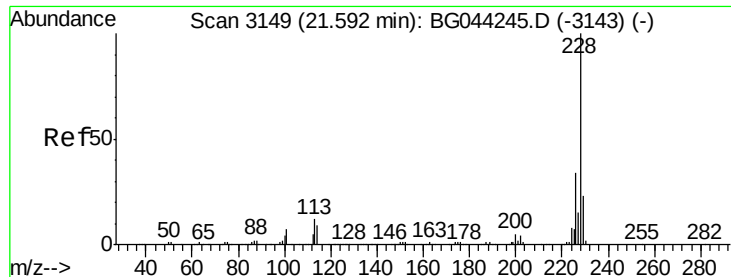
Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.7	37.1#
229	42.7	18.2	27.4#



#82
3,3'-Dichlorobenzidine
Concen: 33.445 ng
RT: 21.45 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

Tgt Ion	Ratio	Lower	Upper
252	100		
254	0.0	52.6	78.8#
126	103.1	8.2	12.4#





#83

Chrysene

Concen: 323.258 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

Instrument :

BNA_G

ClientSampleId :

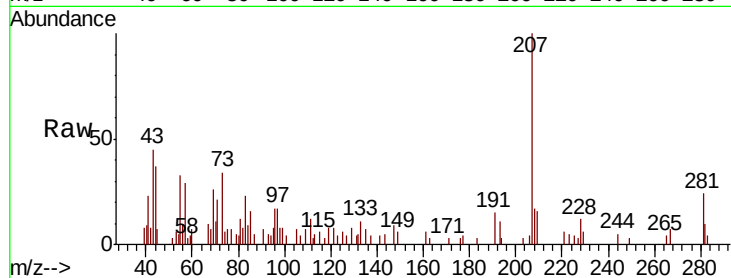
Tot Ion:228 Resp: 1348

Ion Ratio Lower Upper

228 100

226 0.0 27.1 40.7#

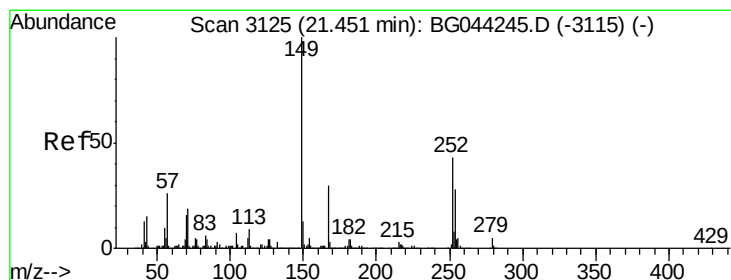
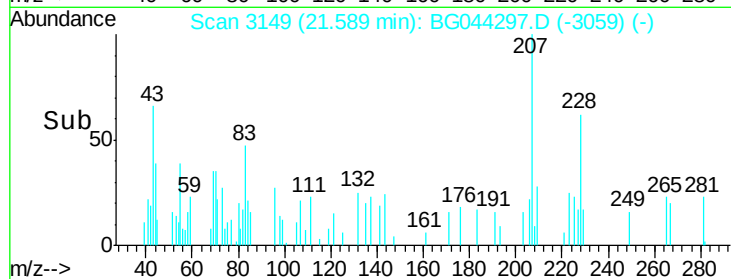
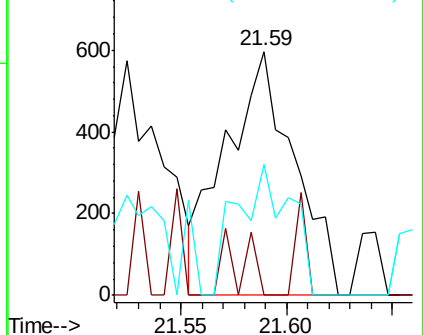
229 53.7 17.9 26.9#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5304.027 ng

RT: 21.45 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

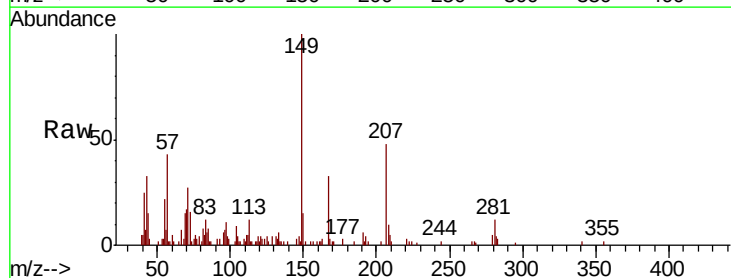
Tgt Ion:149 Resp: 14956

Ion Ratio Lower Upper

149 100

167 33.0 24.0 36.0

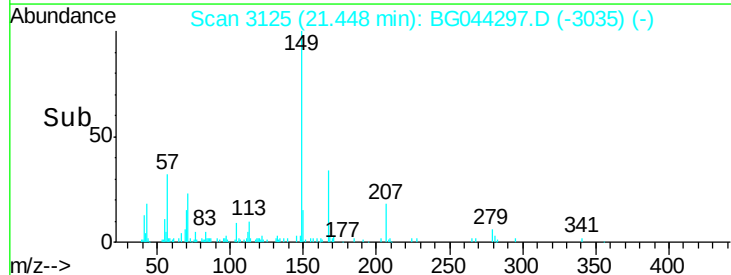
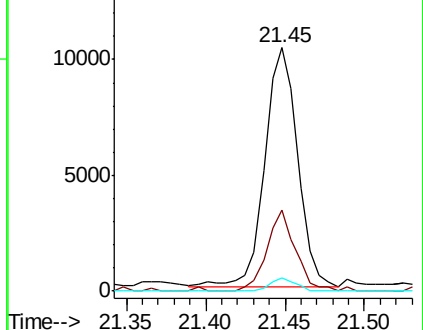
279 5.5 3.8 5.8

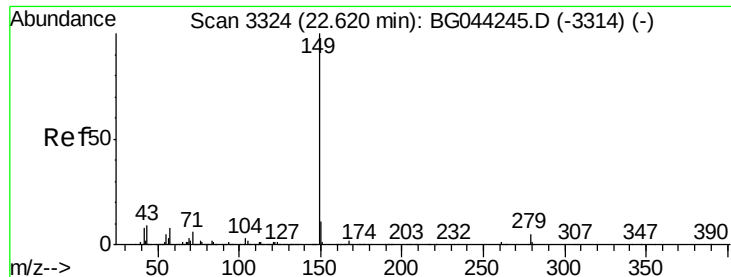


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 189.391 ng

RT: 22.62 min Scan# 3324

Delta R.T. -0.00 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

Instrument :

BNA_G

ClientSampleId :

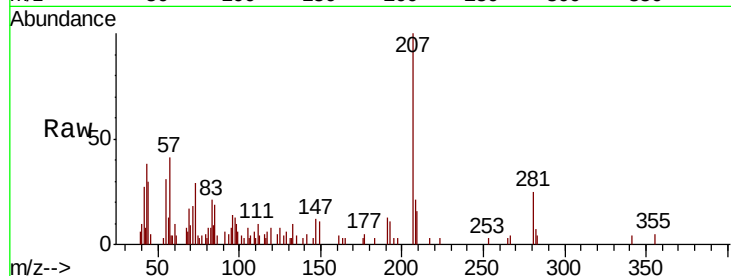
Tot Ion:149 Resp: 924

Ion Ratio Lower Upper

149 100

167 14.0 1.3 1.9#

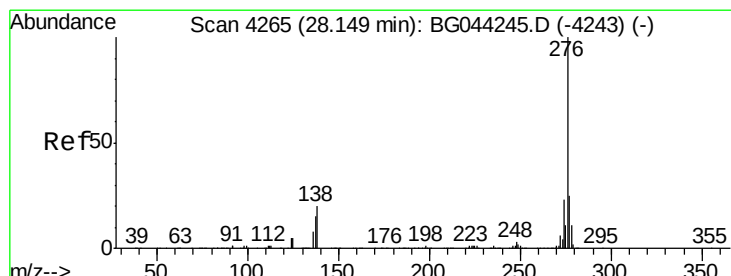
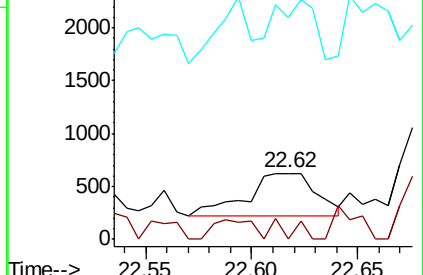
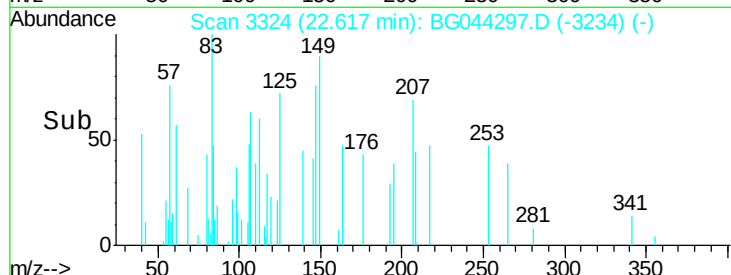
43 0.0 7.4 11.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 27.939 ng

RT: 28.13 min Scan# 4263

Delta R.T. -0.01 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

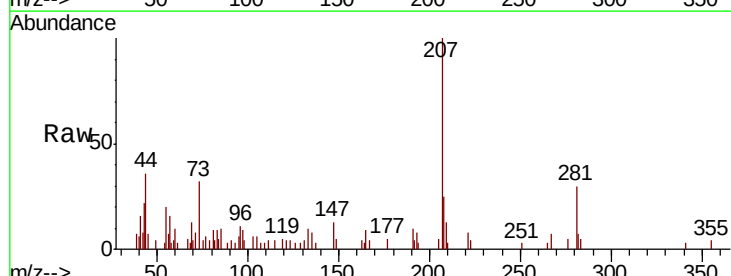
Tgt Ion:276 Resp: 152

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

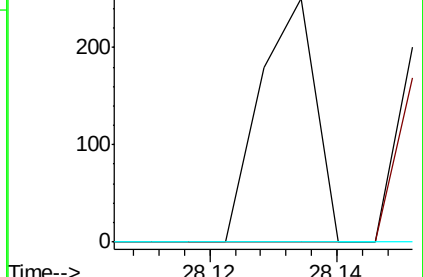
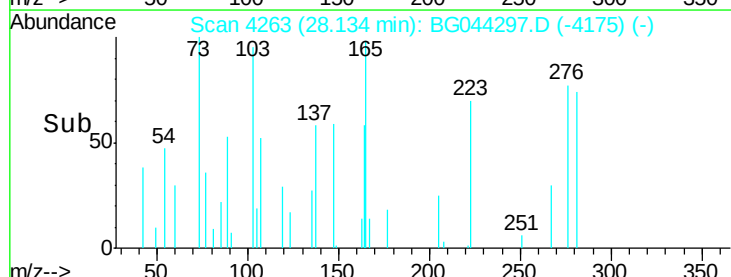
277 0.0 21.0 31.6#

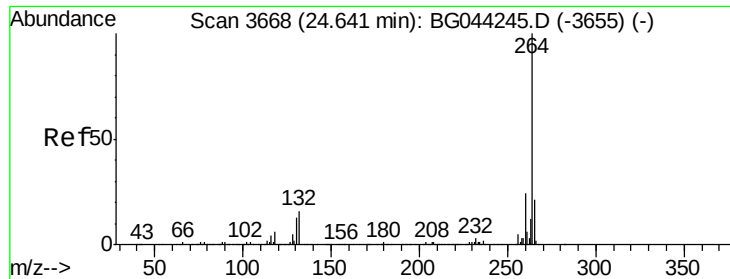


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3678

Delta R.T. 0.06 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

Instrument :

BNA_G

ClientSampled :

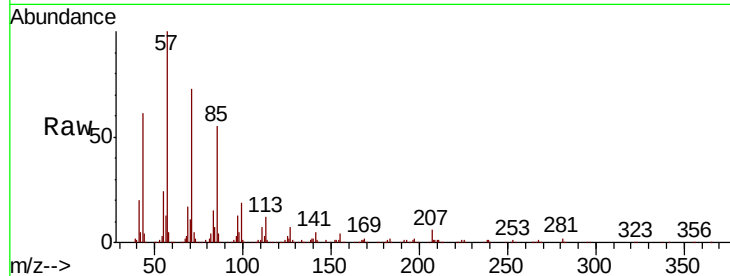
Tot Ion:264 Resp: 56

Ion Ratio Lower Upper

264 100

260 0.0 19.4 29.2#

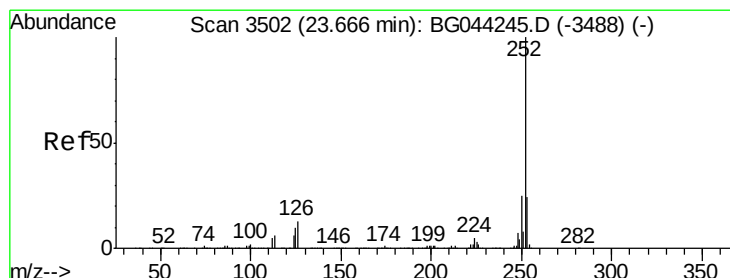
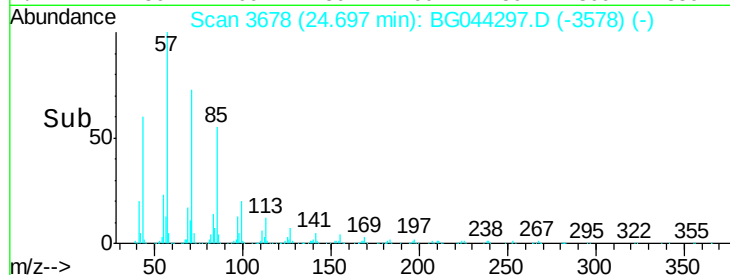
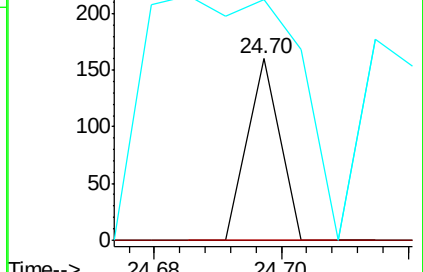
265 133.1 16.7 25.1#



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



#88

Benzo(b)fluoranthene

Concen: 173.230 ng

RT: 23.74 min Scan# 3515

Delta R.T. 0.07 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

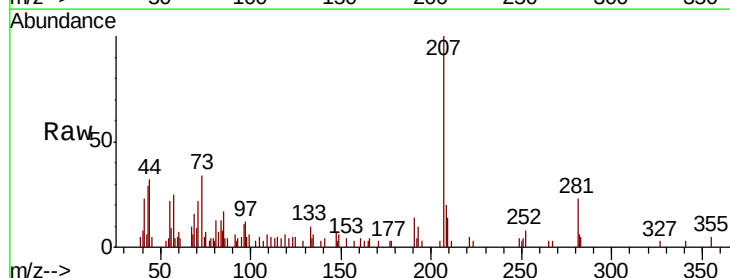
Tgt Ion:252 Resp: 559

Ion Ratio Lower Upper

252 100

253 0.0 19.2 28.8#

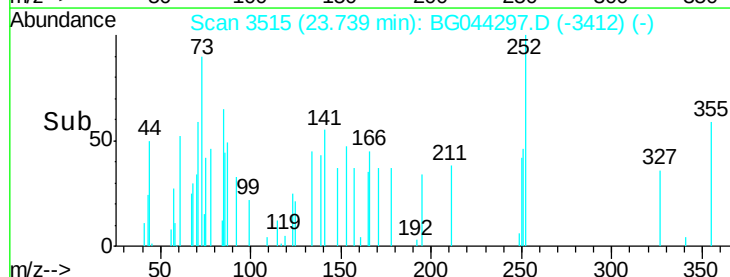
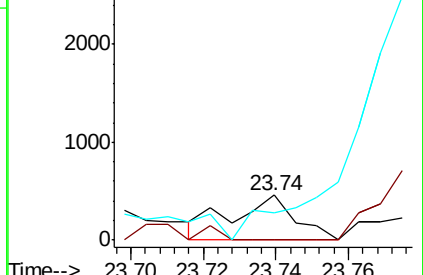
125 61.7 8.4 12.6#

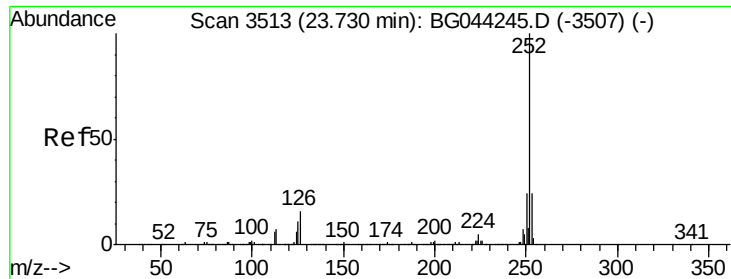


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

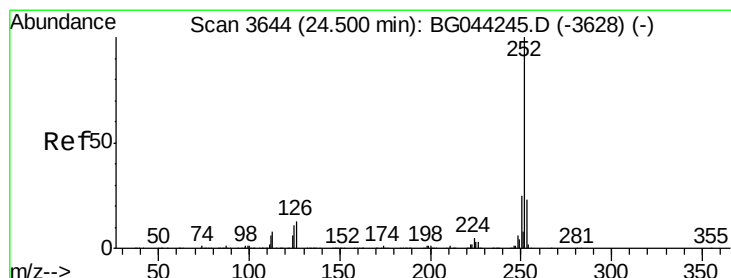
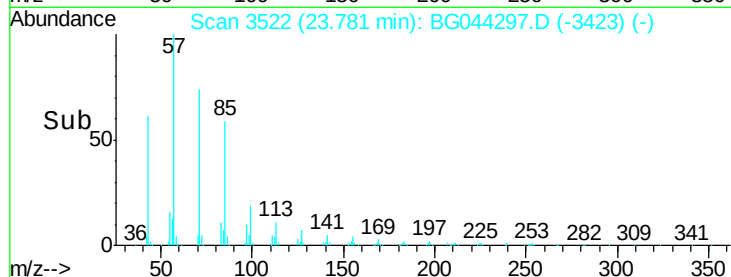
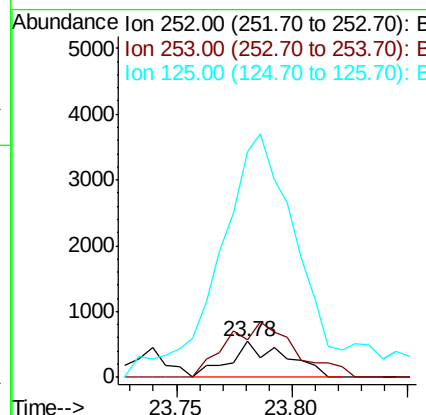
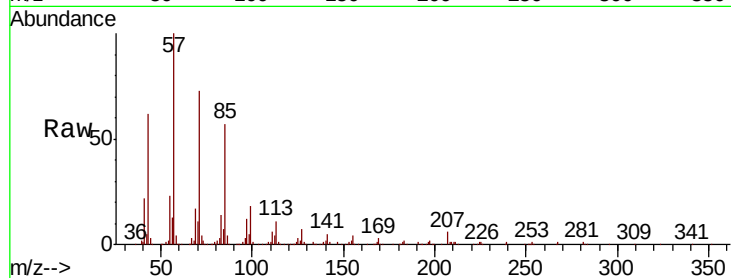




#89
Benzo(k)fluoranthene
Concen: 292.204 ng
RT: 23.78 min Scan# 3522
Delta R.T. 0.05 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

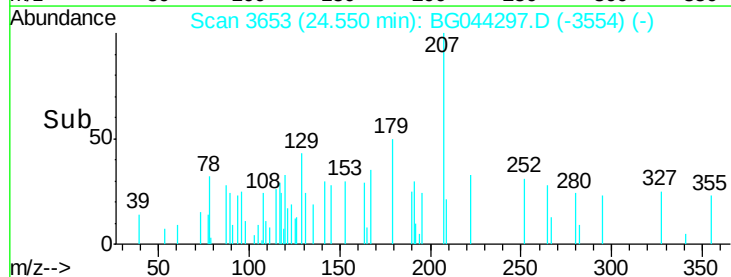
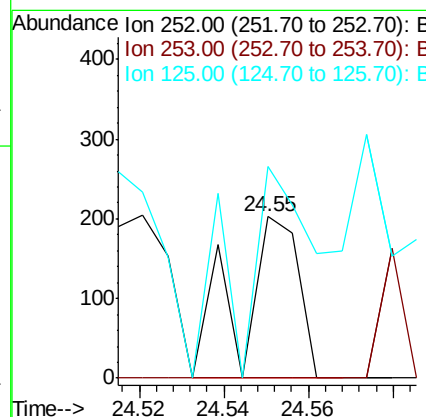
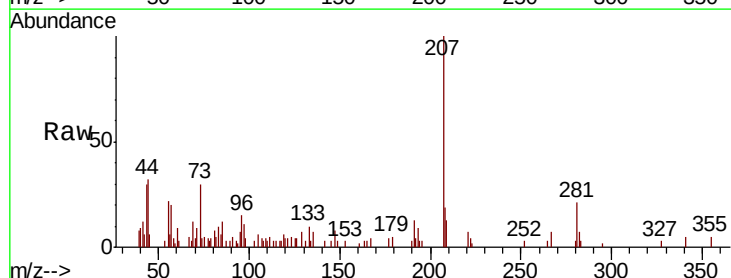
Instrument :
BNA_G
ClientSampleId :

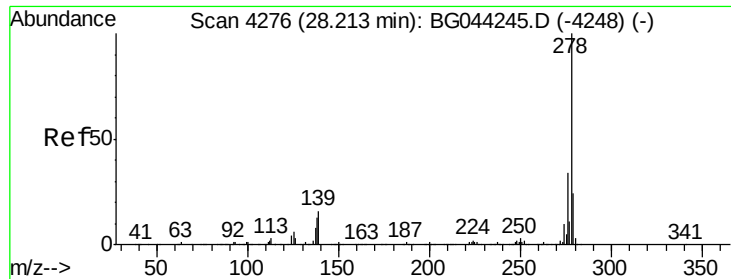
Tot Ion	Ratio	Lower	Upper
252	100		
253	106.8	19.1	28.7#
125	632.4	8.6	12.8#



#90
Benzo(a)pyrene
Concen: 63.913 ng
RT: 24.55 min Scan# 3653
Delta R.T. 0.05 min
Lab File: BG044297.D
Acq: 5 Feb 2020 1:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.1	27.1#
125	131.0	8.6	13.0#





#91

Dibenzo(a,h)anthracene

Concen: 58.619 ng

RT: 28.23 min Scan# 4279

Delta R.T. 0.02 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

Instrument :

BNA_G

ClientSampleId :

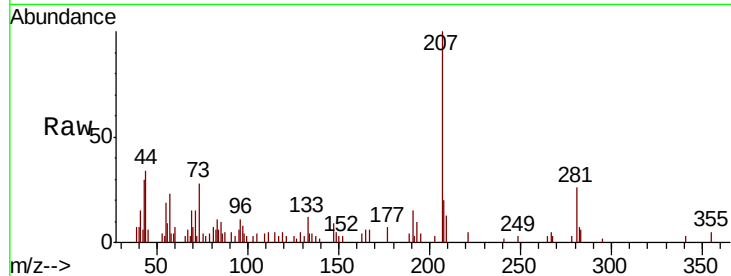
Tot Ion:278 Resp: 177

Ion Ratio Lower Upper

278 100

139 81.1 12.7 19.1#

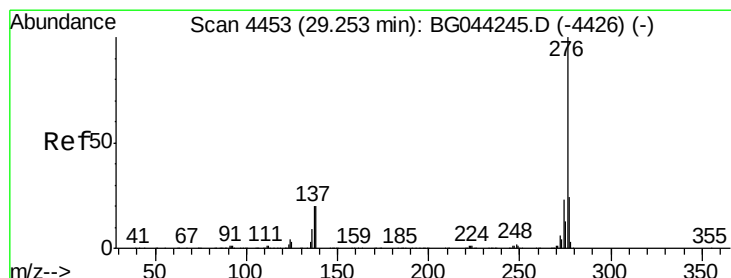
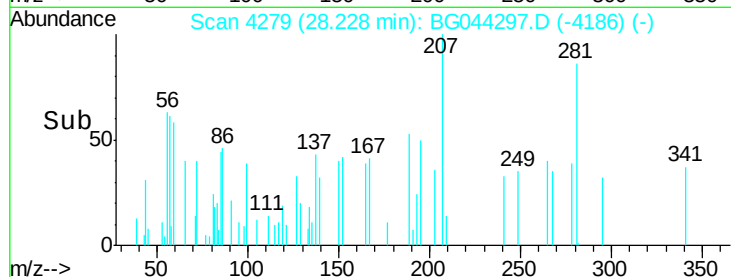
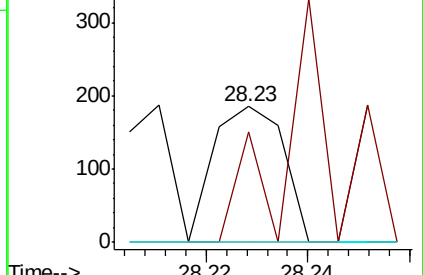
279 0.0 19.3 28.9#



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



#92

Benzo(g,h,i)perylene

Concen: 48.301 ng

RT: 29.30 min Scan# 4461

Delta R.T. 0.04 min

Lab File: BG044297.D

Acq: 5 Feb 2020 1:50

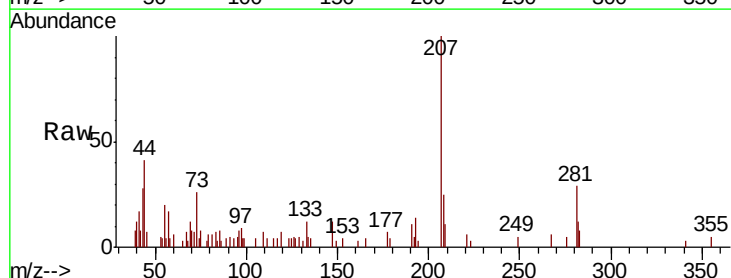
Tgt Ion:276 Resp: 146

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 0.0 16.2 24.2#



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

