

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020420\
 Data File : BG044296.D
 Acq On : 5 Feb 2020 1:11
 Operator : CG/JU
 Sample : L1377-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 04:40:46 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

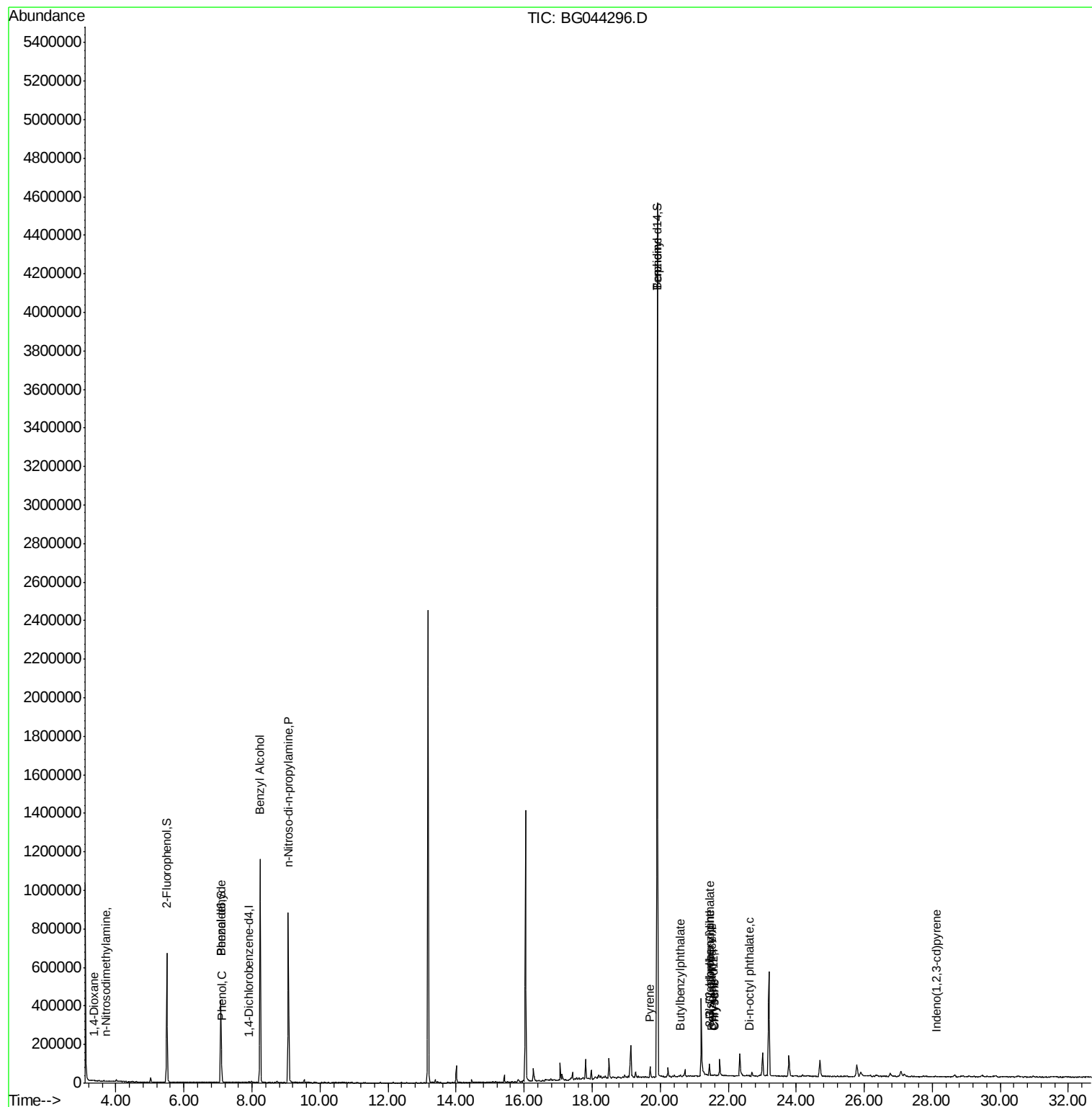
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1742	20.00	ng	0.00
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.72
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.55
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.30
76) Chrysene-d12	21.55	240	73	20.00	ng	0.00
87) Perylene-d12	0.00	264	0	0.00	ng	-24.64
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	337921	3423.52	ng	0.00
7) Phenol-d6	7.08	99	277669	2094.87	ng	0.00
23) Nitrobenzene-d5	9.07	82	570479	0.00	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	274175	0.00	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1281314	0.00	ng	0.00
79) Terphenyl-d14	19.92	244	2055753	579235.41	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.37	88	315	7.103	ng	# 63
4) n-Nitrosodimethylamine	3.72	42	184	3.727	ng	# 1
9) Benzaldehyde	7.08	77	537	7.114	ng	# 1
10) Phenol	7.11	94	10010	76.309	ng	# 85
15) Benzyl Alcohol	8.24	79	9366	99.808	ng	# 49
19) n-Nitroso-di-n-propylamine	9.07	70	75171	850.964	ng	# 77
77) Benzidine	19.92	184	36516	18033.986	ng	# 91
78) Pyrene	19.71	202	3320	708.178	ng	# 92
80) Butylbenzylphthalate	20.60	149	604	282.717	ng	# 83
81) Benzo(a)anthracene	21.53	228	1146	254.720	ng	# 46
82) 3,3'-Dichlorobenzidine	21.47	252	54	30.926	ng	# 25
83) Chrysene	21.59	228	607	139.580	ng	# 68
84) Bis(2-ethylhexyl)phthalate	21.45	149	23363	7945.002	ng	# 98
85) Di-n-octyl phthalate	22.62	149	374	73.508	ng	# 58
86) Indeno(1,2,3-cd)pyrene	28.14	276	69	12.162	ng	# 50

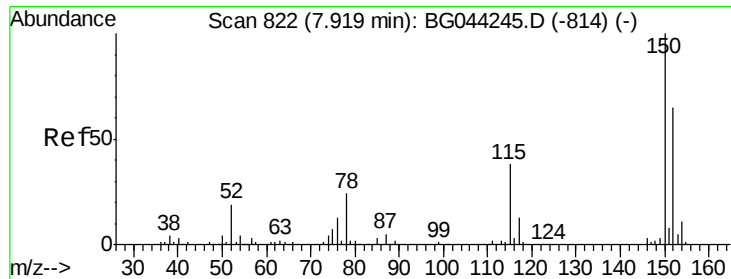
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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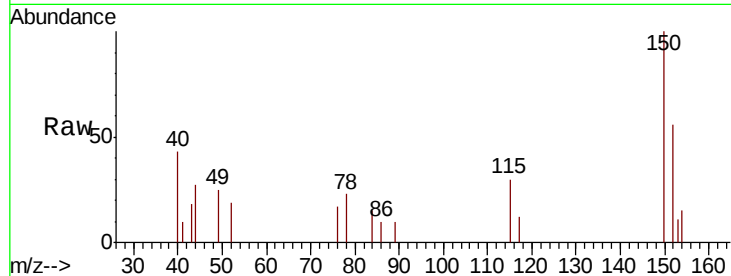


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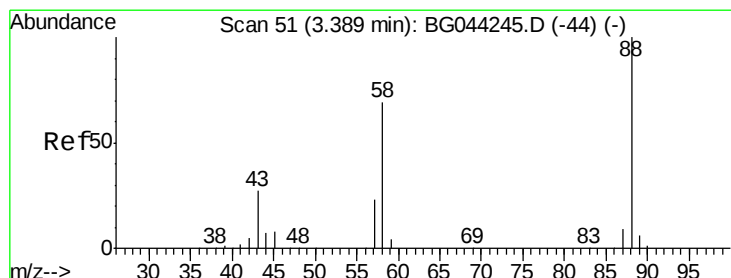
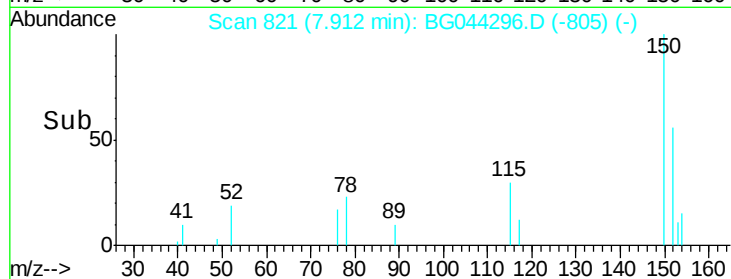
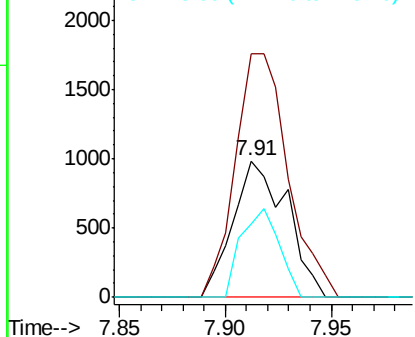
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044296.D
Acq: 5 Feb 2020 1:11

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 1742
Ion Ratio Lower Upper
152 100
150 178.7 122.6 183.8
115 53.6 46.0 69.0



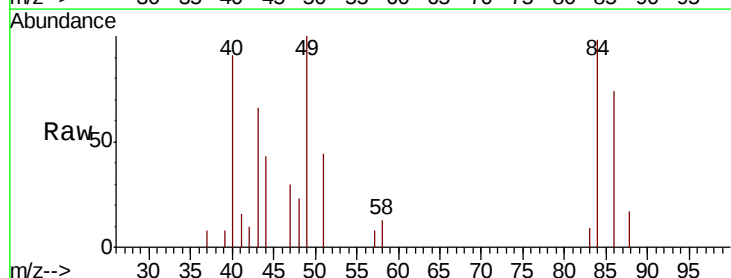
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



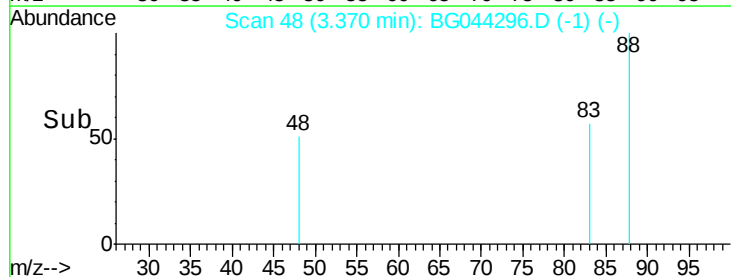
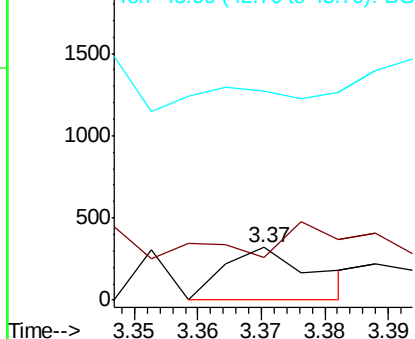
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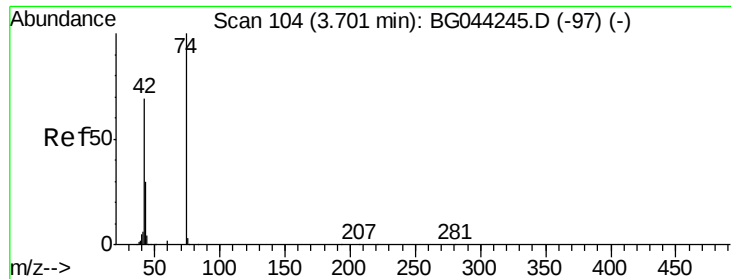
1,4-Dioxane
Concen: 7.103 ng
RT: 3.37 min Scan# 48
Delta R.T. -0.02 min
Lab File: BG044296.D
Acq: 5 Feb 2020 1:11

Tgt Ion: 88 Resp: 315
Ion Ratio Lower Upper
88 100
58 44.4 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



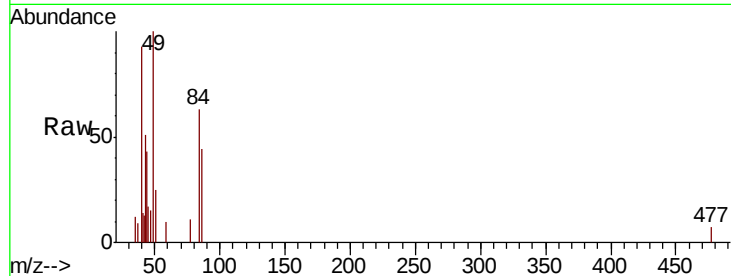


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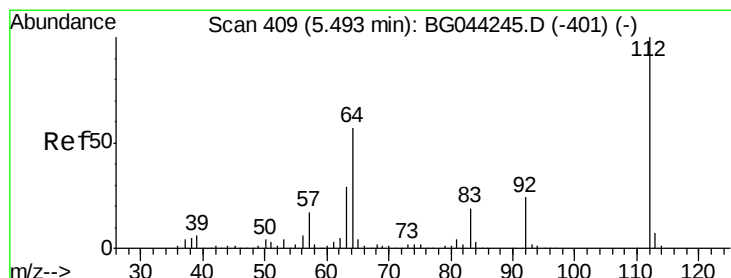
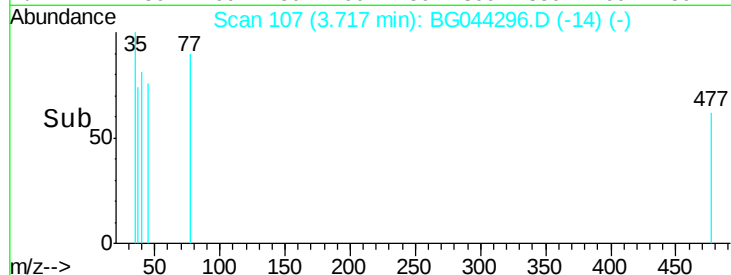
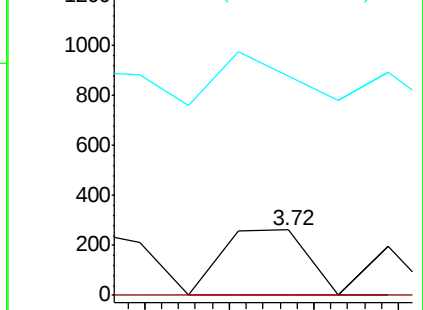
n-Nitrosodimethylamine
 Concen: 3.727 ng
 RT: 3.72 min Scan# 107
 Delta R.T. 0.02 min
 Lab File: BG044296.D
 Acq: 5 Feb 2020 1:11

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 42 Resp: 184
 Ion Ratio Lower Upper
 42 100
 74 0.0 115.1 172.7#
 44 333.8 5.6 8.4#



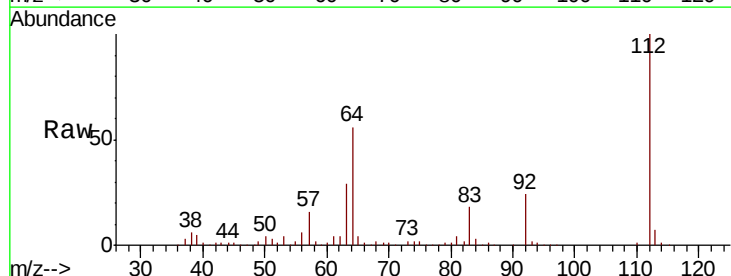
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



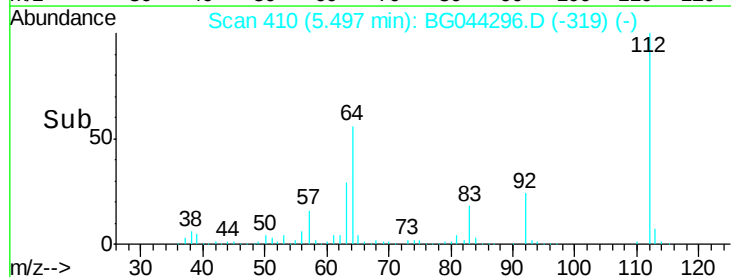
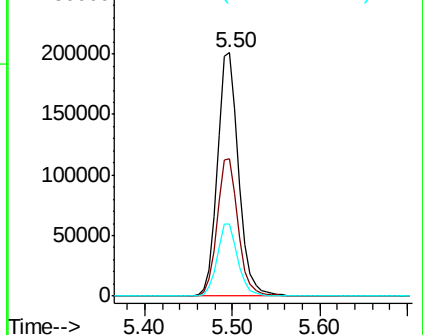
#5

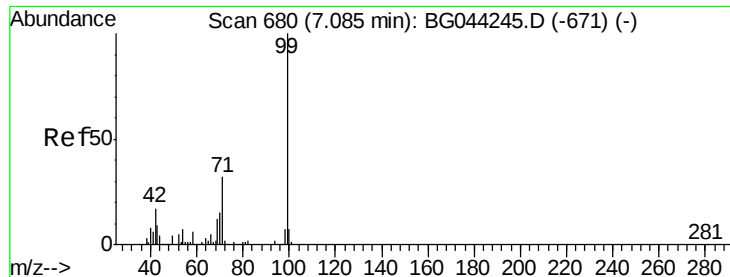
2-Fluorophenol
 Concen: 3423.521 ng
 RT: 5.50 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: BG044296.D
 Acq: 5 Feb 2020 1:11

Tgt Ion: 112 Resp: 337921
 Ion Ratio Lower Upper
 112 100
 64 56.4 45.4 68.2
 63 29.4 22.9 34.3



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





#7

Phenol-d6

Concen: 2094.873 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

Instrument :

BNA_G

ClientSampleId :

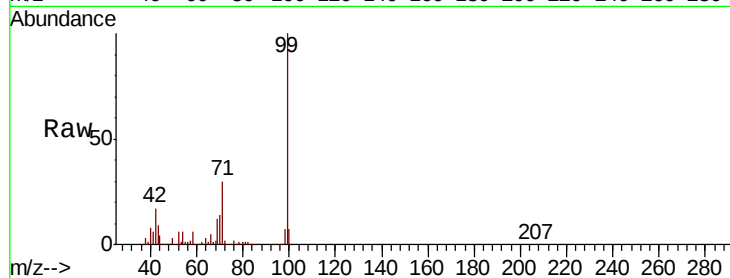
Tot Ion: 99 Resp: 277669

Ion Ratio Lower Upper

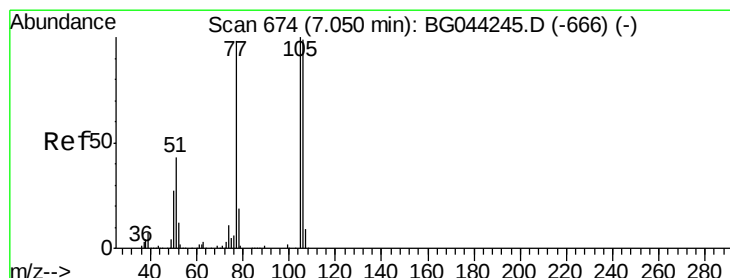
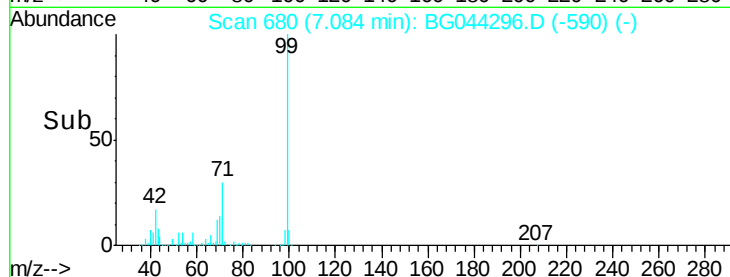
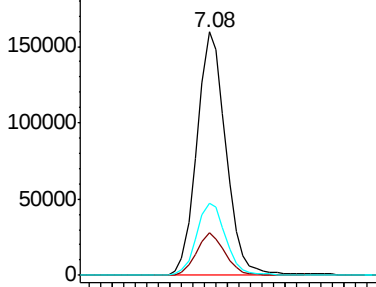
99 100

42 17.4 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



#9

Benzaldehyde

Concen: 7.114 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.03 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

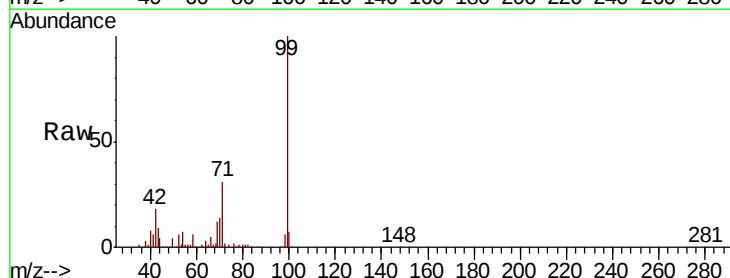
Tgt Ion: 77 Resp: 537

Ion Ratio Lower Upper

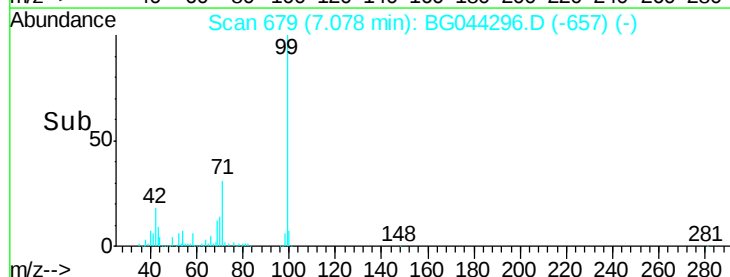
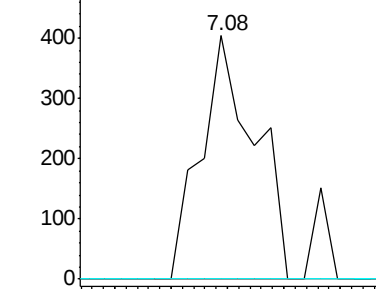
77 100

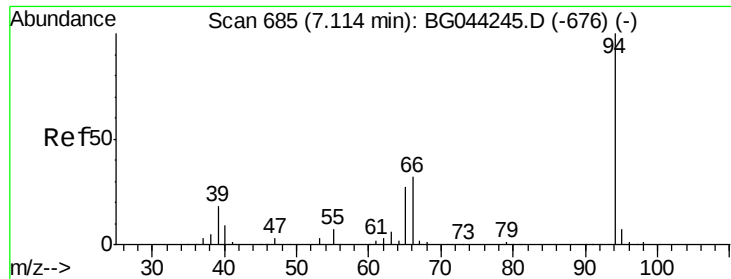
105 0.0 82.0 122.0#

106 0.0 80.7 120.7#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

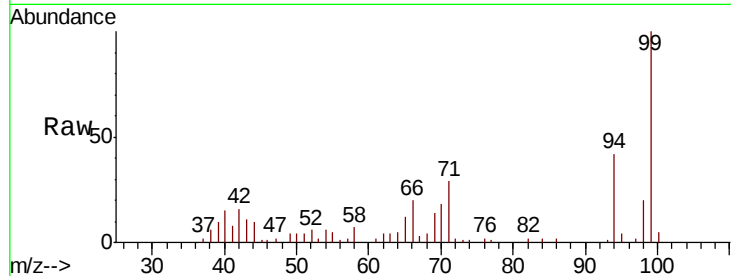




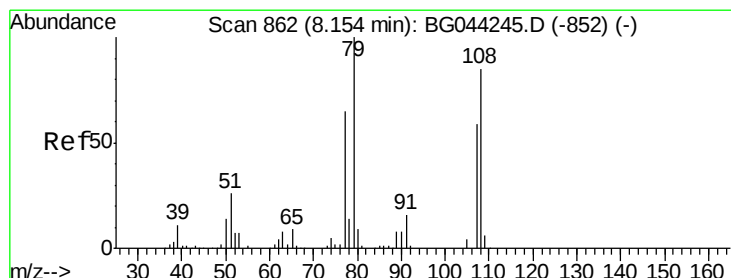
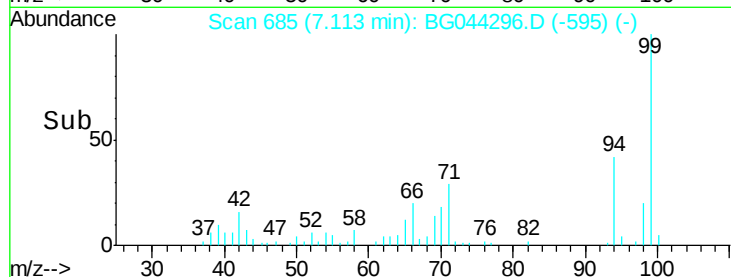
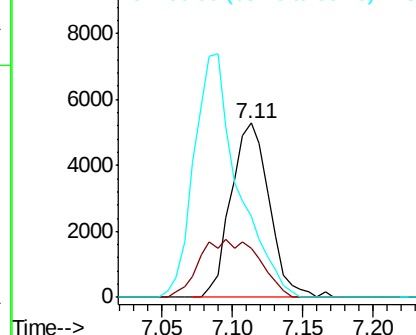
#10
Phenol
Concen: 76.309 ng
RT: 7.11 min Scan# 685
Delta R.T. -0.00 min
Lab File: BG044296.D
Acq: 5 Feb 2020 1:11

Instrument :
BNA_G
ClientSampled :

Tot Ion: 94 Resp: 10010
Ion Ratio Lower Upper
94 100
65 28.2 7.0 47.0
66 46.7 12.7 52.7

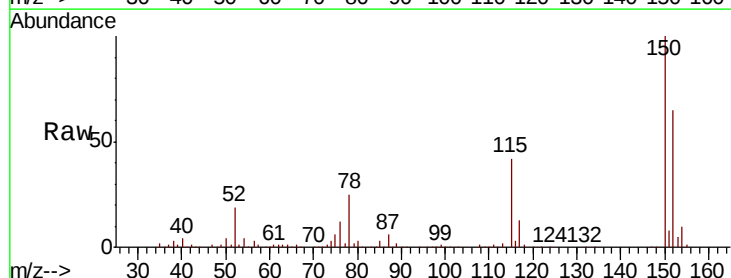


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

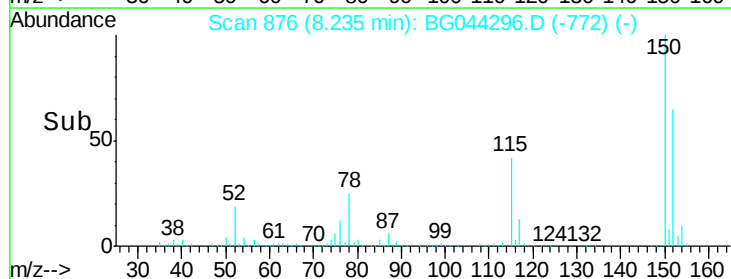
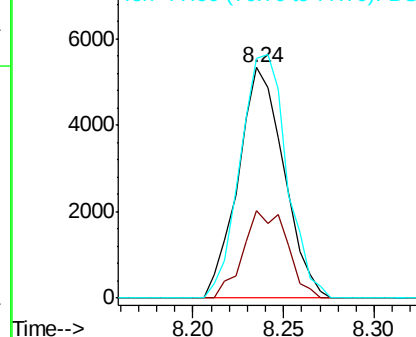


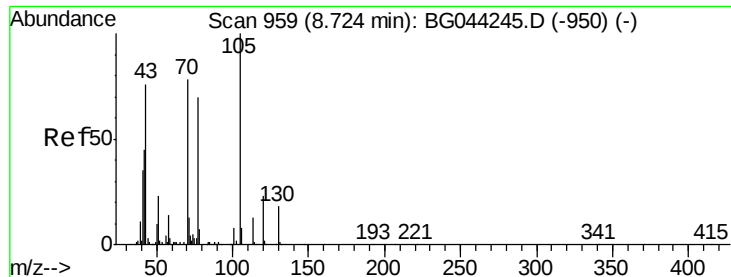
#15
Benzyl Alcohol
Concen: 99.808 ng
RT: 8.24 min Scan# 876
Delta R.T. 0.08 min
Lab File: BG044296.D
Acq: 5 Feb 2020 1:11

Tgt Ion: 79 Resp: 9366
Ion Ratio Lower Upper
79 100
108 37.7 68.3 102.5#
77 104.0 51.8 77.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

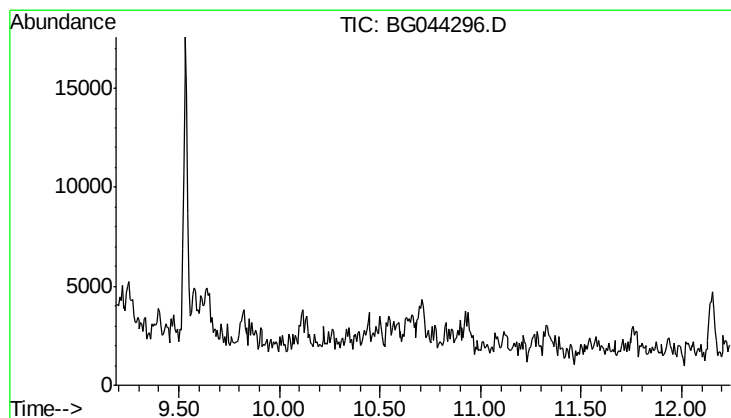
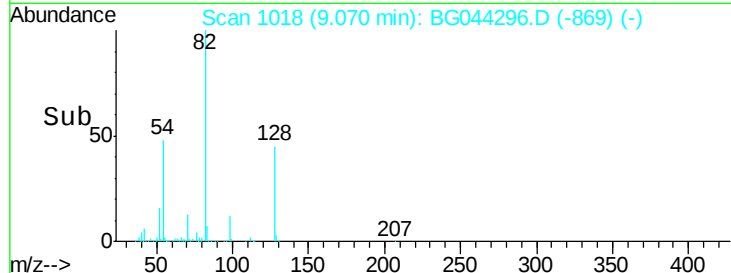
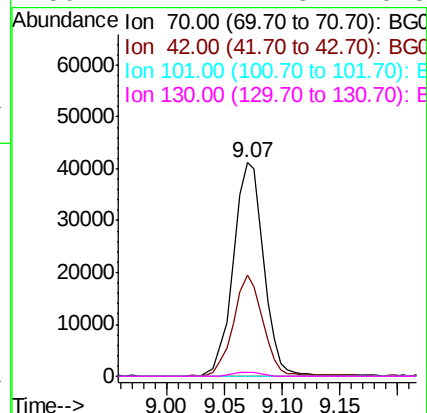
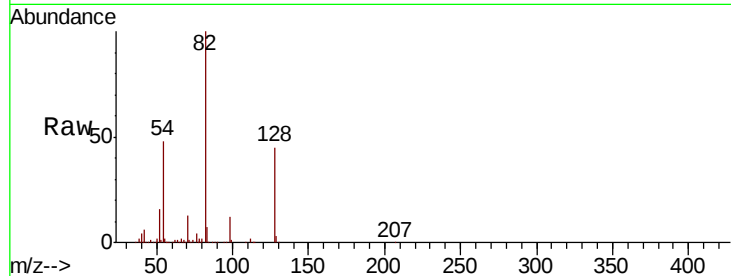




#19
n-Nitroso-di-n-propylamine
Concen: 850.964 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG044296.D
Acq: 5 Feb 2020 1:11

Instrument :
BNA_G
ClientSampleId :

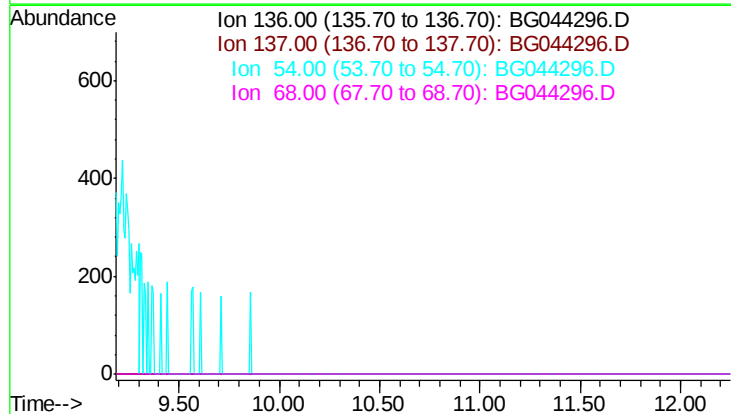
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	47.4	46.2	69.2	
101	0.0	8.4	12.6	#
130	2.1	17.8	26.8	#

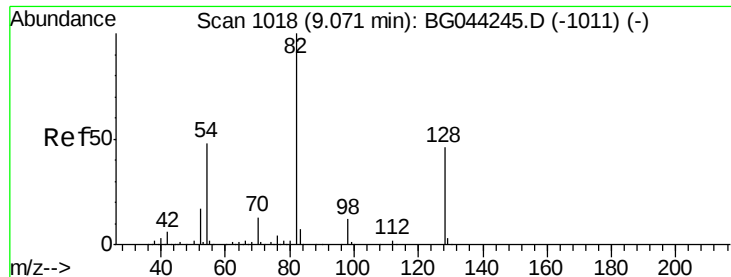


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BG044296.D
Acq: 5 Feb 2020 1:11

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

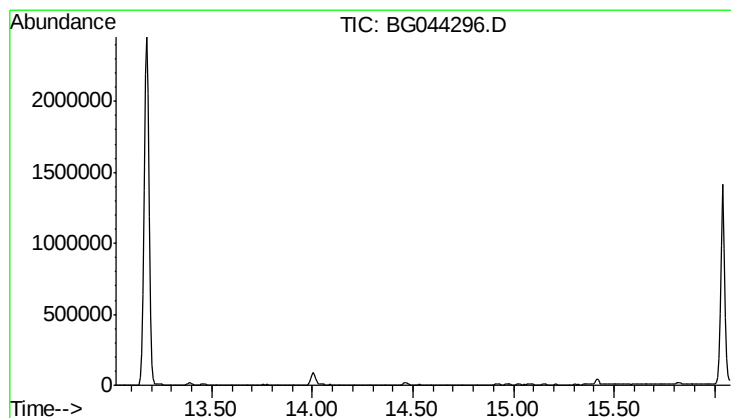
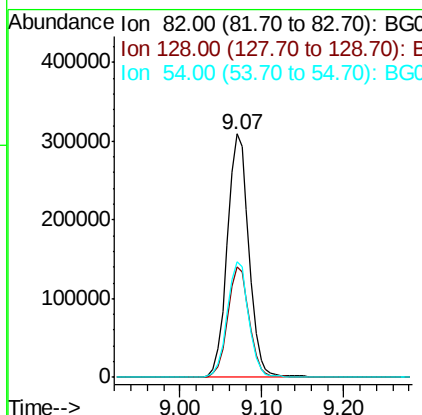
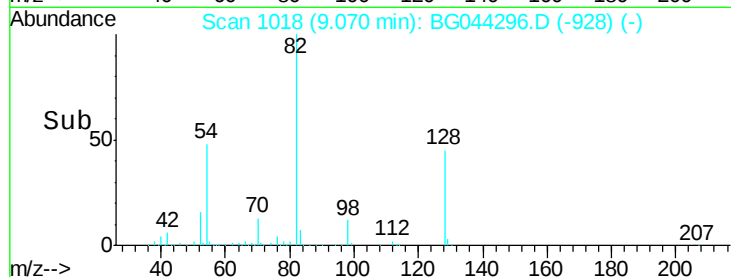
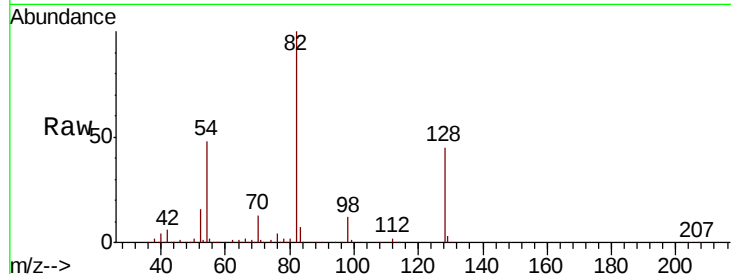




#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG044296.D
Acq: 5 Feb 2020 1:11

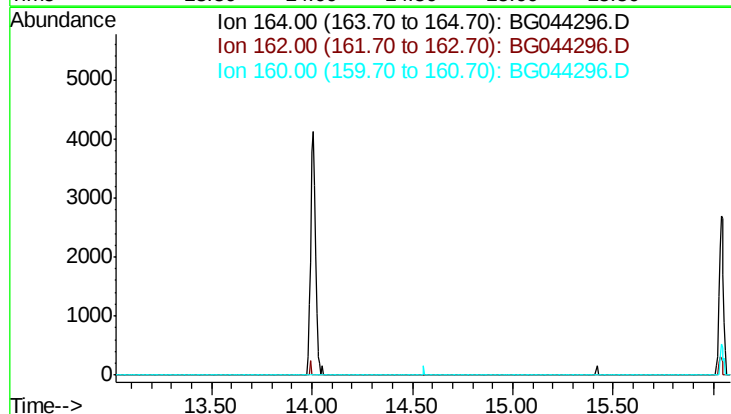
Instrument :
BNA_G
ClientSampled :

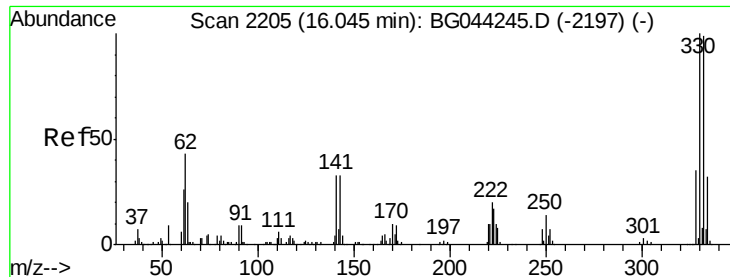
Tot Ion	Ion	Ratio	Lower	Upper
82	100			
128	45.2	36.5	54.7	
54	47.7	38.6	58.0	



#39
Acenaphthene-d10
Concen: 0.000 ng
Expected RT: 14.55 min
Lab File: BG044296.D
Acq: 5 Feb 2020 1:11

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: BG044296.D

Acq: 5 Feb 2020 1:11

Instrument :

BNA_G

ClientSampleId :

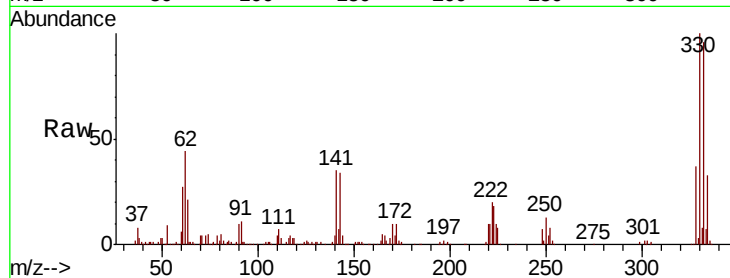
Tot Ion:330 Resp: 274175

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

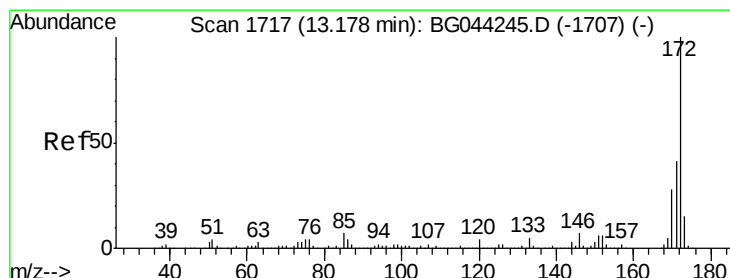
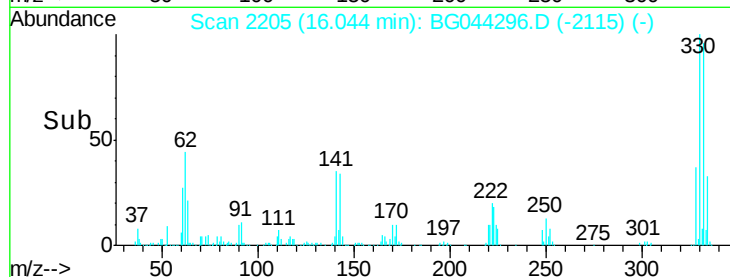
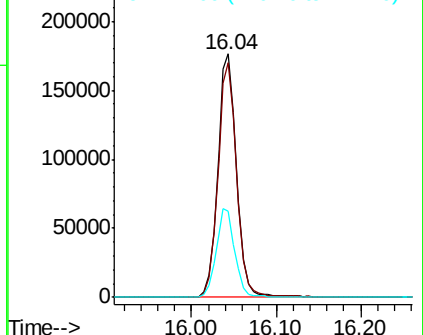
141 36.8 28.3 42.5



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: BG044296.D

Acq: 5 Feb 2020 1:11

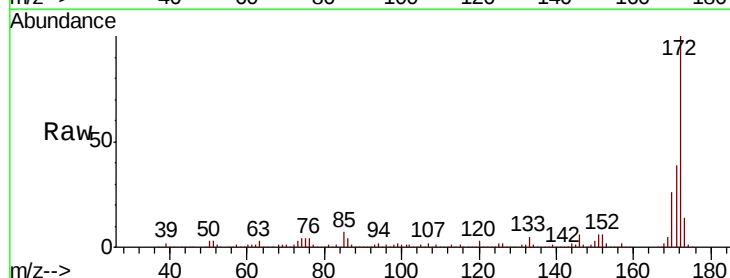
Tgt Ion:172 Resp: 1281314

Ion Ratio Lower Upper

172 100

171 39.4 32.9 49.3

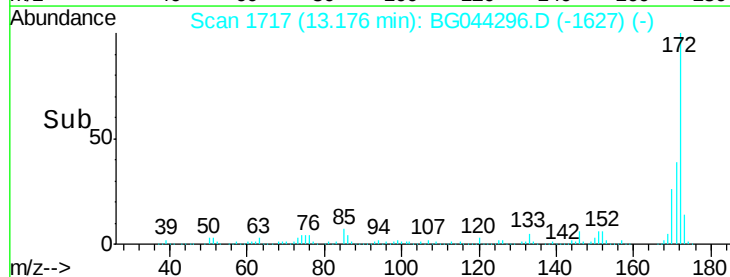
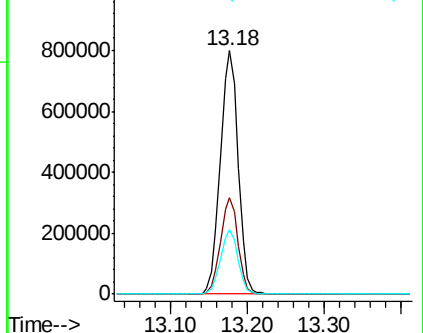
170 26.5 22.0 33.0

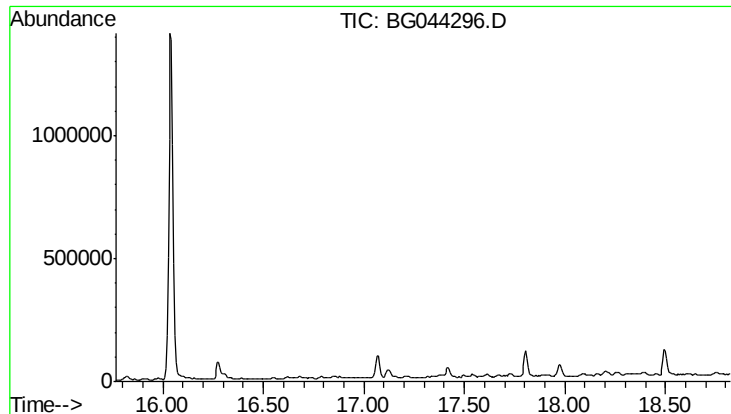


Abundance Ion 172.00 (171.70 to 172.70): E

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: BG044296.D

Acq: 5 Feb 2020 1:11

Instrument :

BNA_G

ClientSampleId :

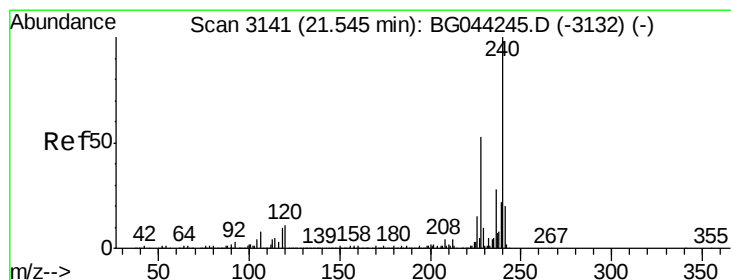
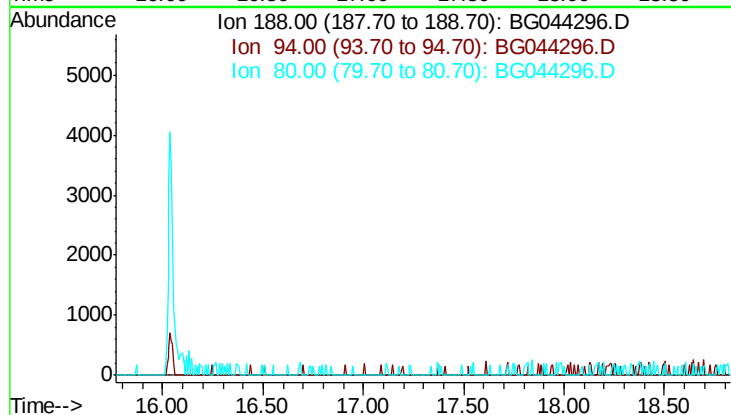
Tot Ion: 188

Sig Exp Ratio

188 100

94 9.3

80 9.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

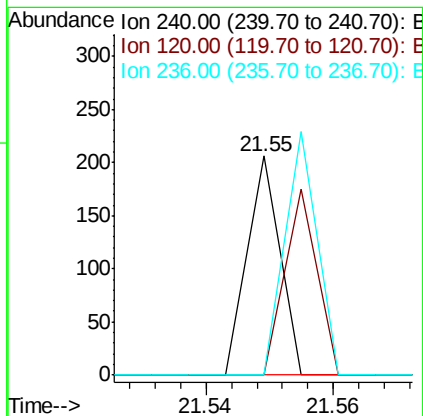
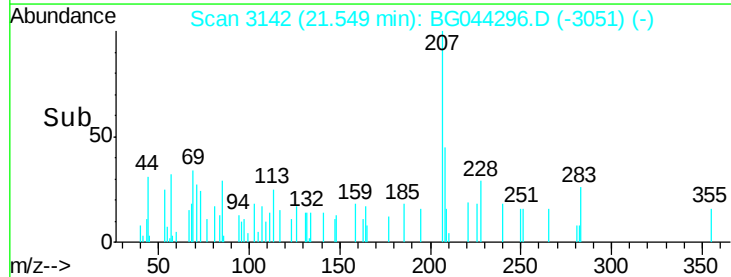
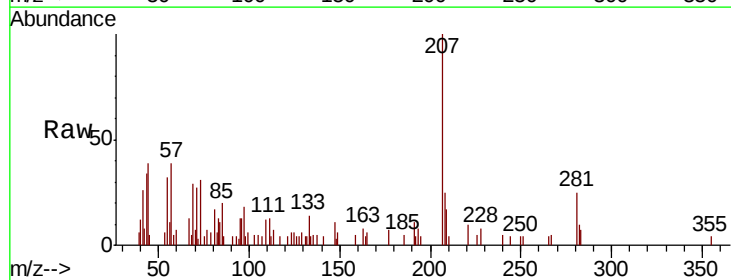
Tgt Ion:240 Resp: 73

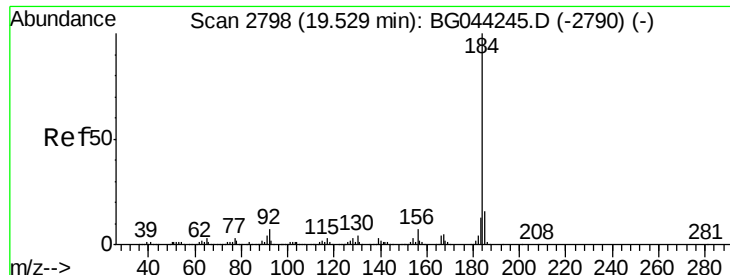
Ion Ratio Lower Upper

240 100

120 0.0 8.4 12.6#

236 0.0 22.1 33.1#





#77

Benzidine

Concen: 18033.986 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

Instrument :

BNA_G

ClientSampleId :

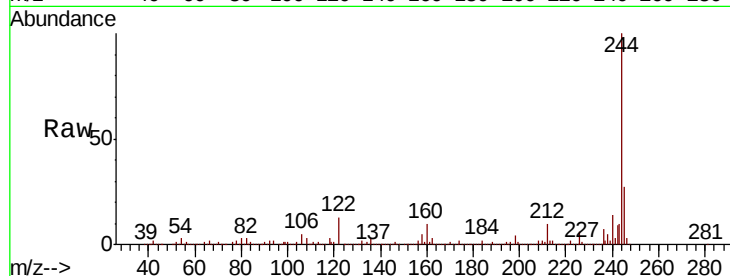
Tot Ion:184 Resp: 36516

Ion Ratio Lower Upper

184 100

185 16.3 12.9 19.3

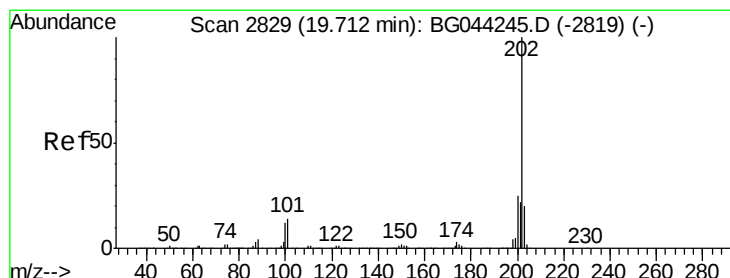
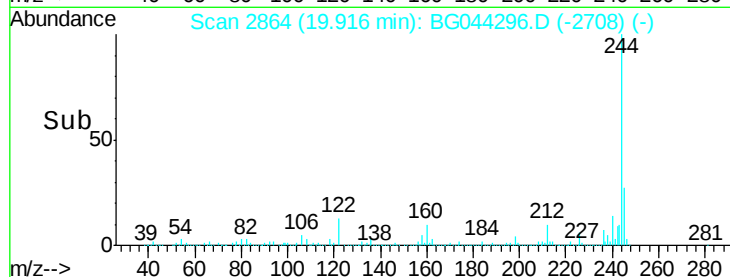
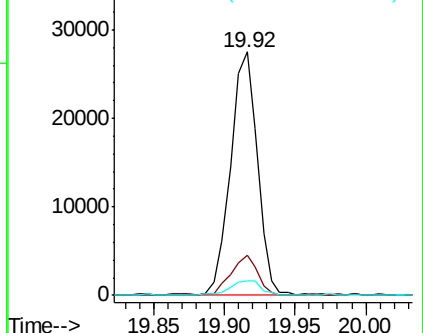
183 5.9 10.8 16.2#



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: 708.178 ng

RT: 19.71 min Scan# 2829

Delta R.T. -0.00 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

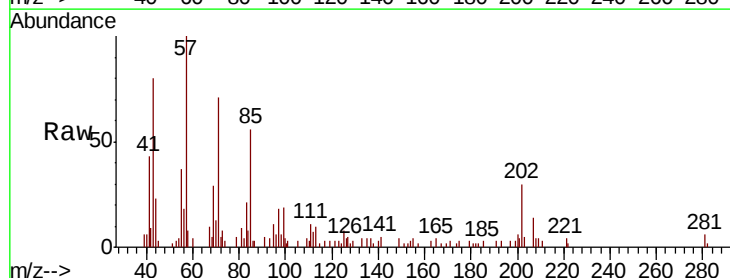
Tgt Ion:202 Resp: 3320

Ion Ratio Lower Upper

202 100

200 21.7 20.0 30.0

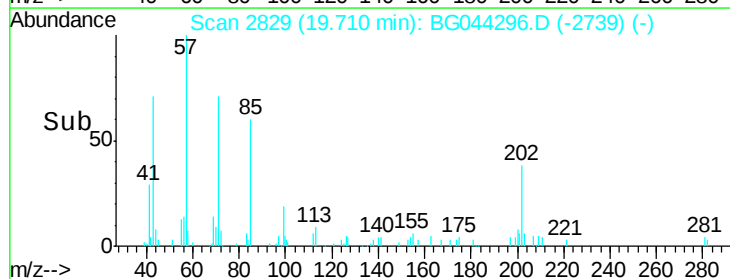
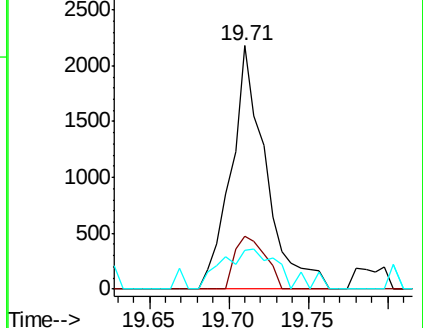
203 16.2 16.2 24.2#

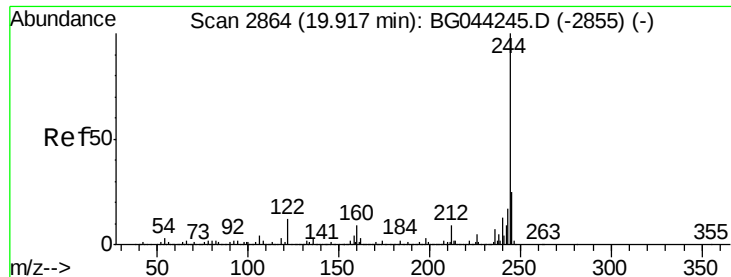


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 579235.406 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

Instrument :

BNA_G

ClientSampleId :

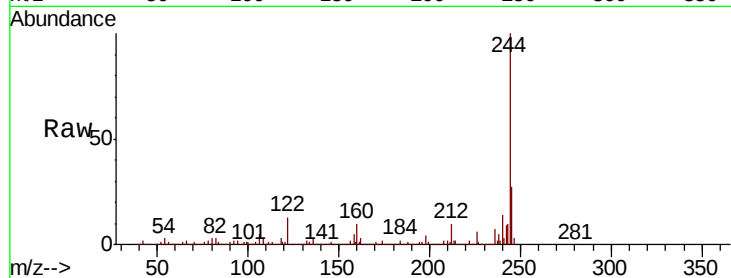
Tot Ion:244 Resp: 2055753

Ion Ratio Lower Upper

244 100

212 9.7 7.4 11.2

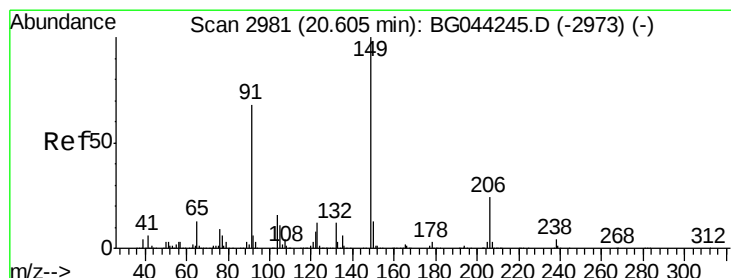
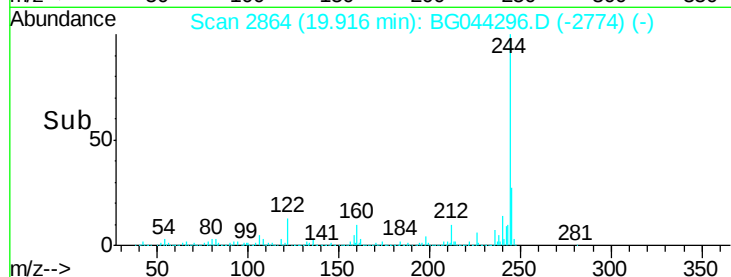
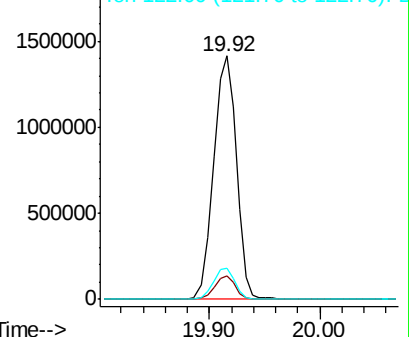
122 12.9 9.8 14.6



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: 282.717 ng

RT: 20.60 min Scan# 2981

Delta R.T. -0.00 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

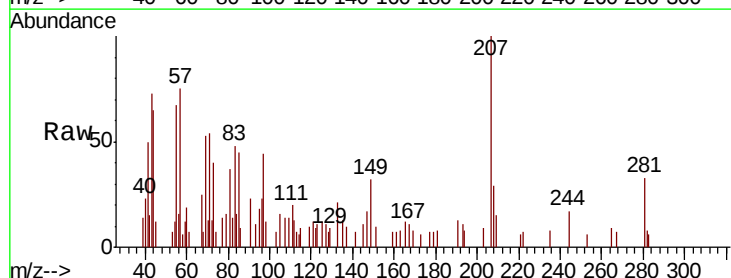
Tgt Ion:149 Resp: 604

Ion Ratio Lower Upper

149 100

91 73.2 54.5 81.7

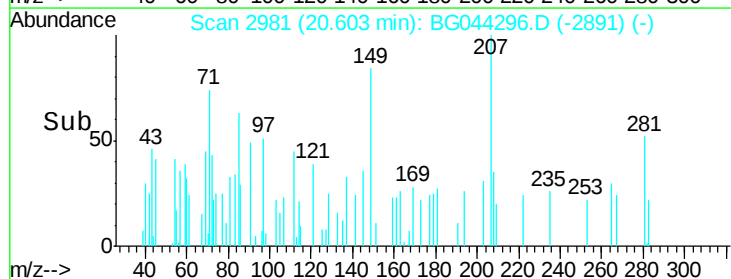
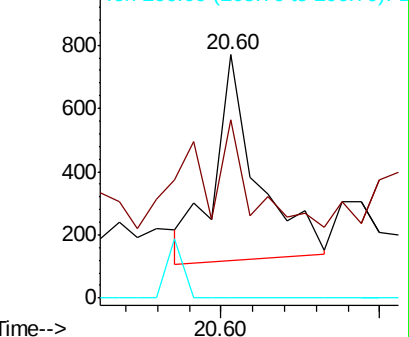
206 0.0 19.1 28.7#

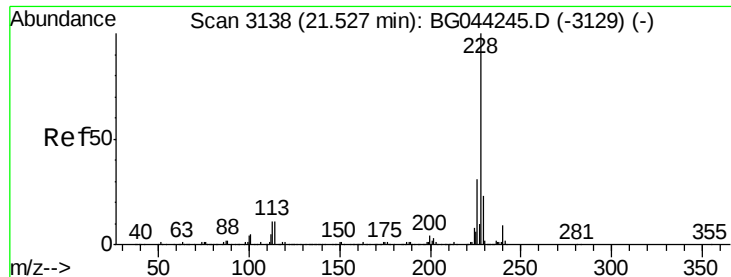


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 254.720 ng

RT: 21.53 min Scan# 3139

Delta R.T. 0.00 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

Instrument :

BNA_G

ClientSampleId :

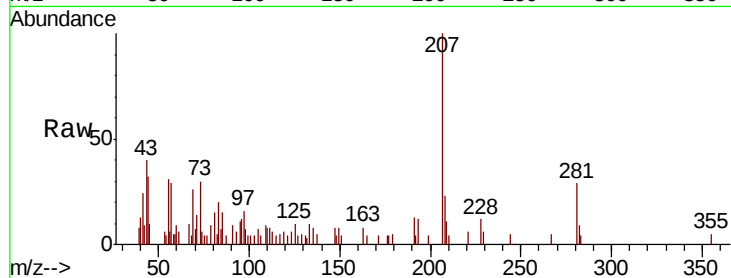
Tot Ion:228 Resp: 1146

Ion Ratio Lower Upper

228 100

226 0.0 24.7 37.1#

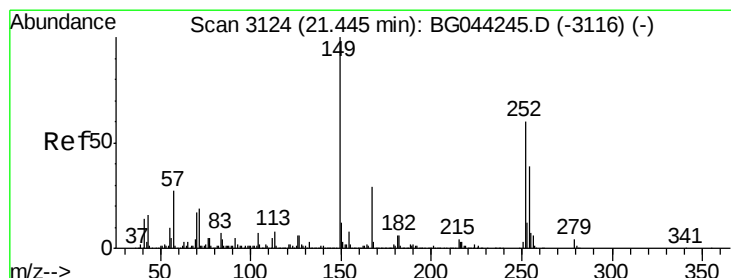
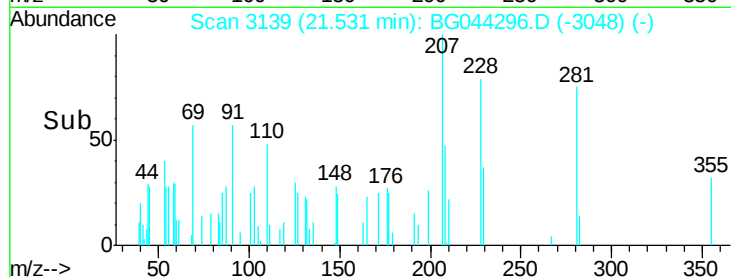
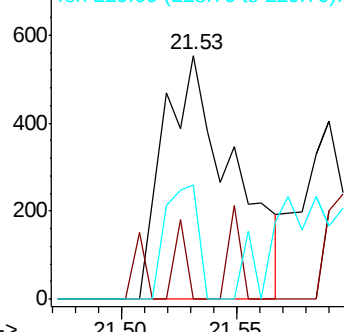
229 46.8 18.2 27.4#



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



#82

3,3'-Dichlorobenzidine

Concen: 30.926 ng

RT: 21.47 min Scan# 3128

Delta R.T. 0.02 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

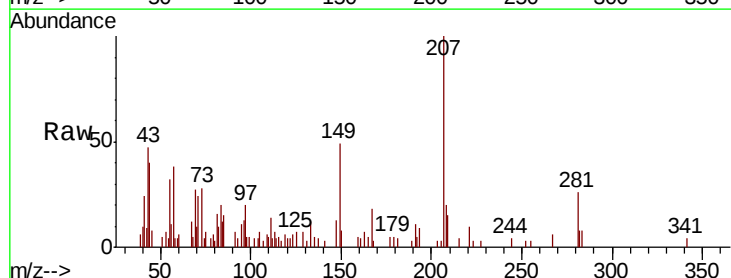
Tgt Ion:252 Resp: 54

Ion Ratio Lower Upper

252 100

254 0.0 52.6 78.8#

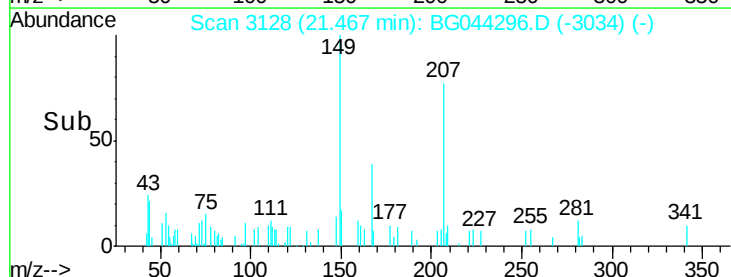
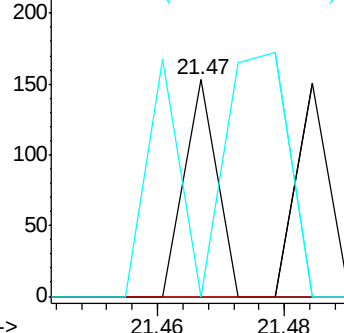
126 0.0 8.2 12.4#

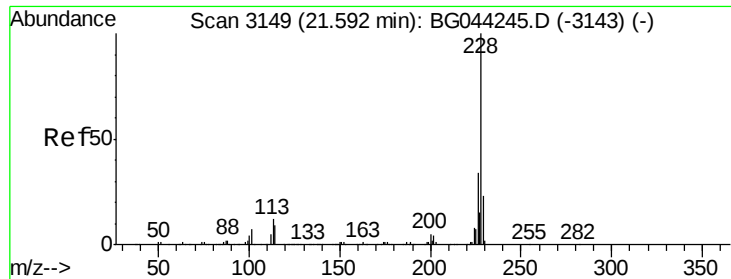


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

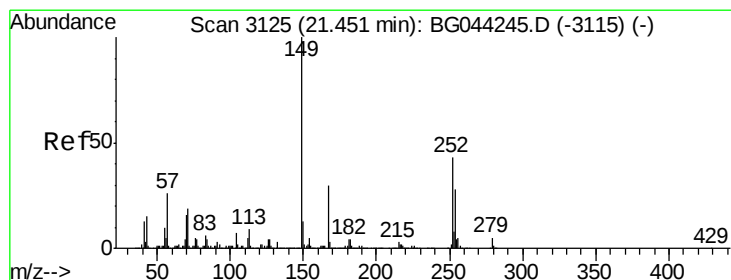
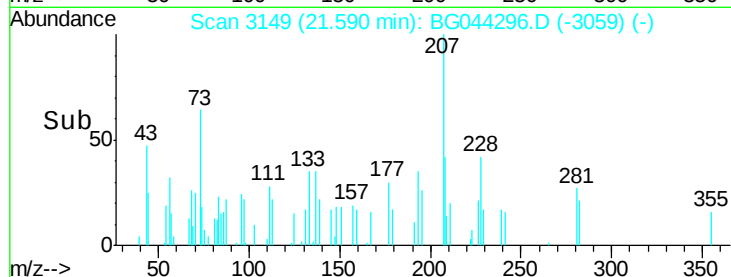
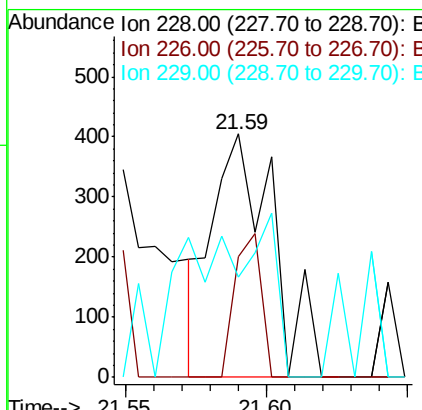
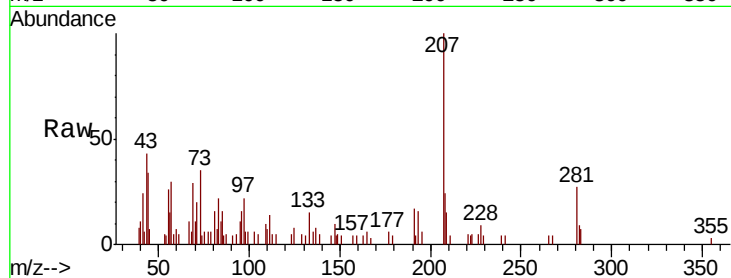




#83
 Chrvsene
 Concen: 139.580 ng
 RT: 21.59 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: BG044296.D
 Acq: 5 Feb 2020 1:11

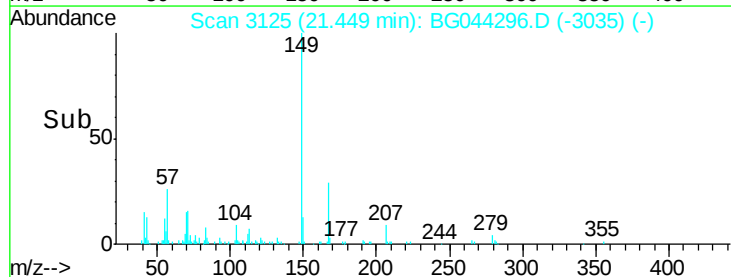
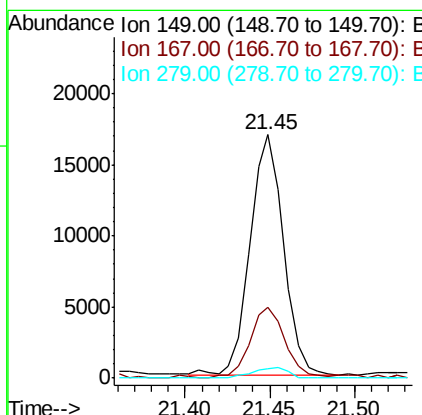
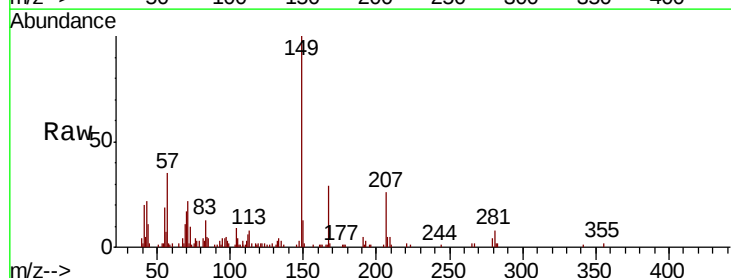
Instrument :
 BNA_G
 ClientSampled :

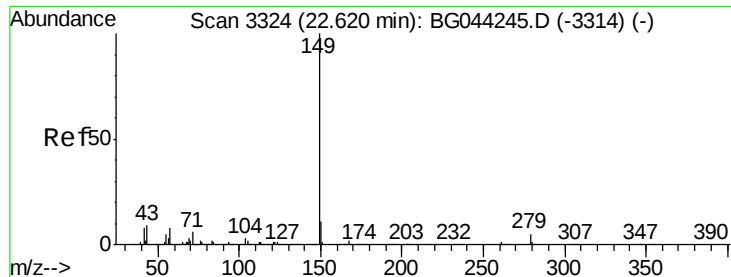
Tot Ion:228 Resp: 607
 Ion Ratio Lower Upper
 228 100
 226 49.6 27.1 40.7#
 229 41.2 17.9 26.9#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7945.002 ng
 RT: 21.45 min Scan# 3125
 Delta R.T. -0.00 min
 Lab File: BG044296.D
 Acq: 5 Feb 2020 1:11

Tgt Ion:149 Resp: 23363
 Ion Ratio Lower Upper
 149 100
 167 28.9 24.0 36.0
 279 3.9 3.8 5.8





#85

Di-n-octyl phthalate

Concen: 73.508 ng

RT: 22.62 min Scan# 3324

Delta R.T. -0.00 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

Instrument :

BNA_G

ClientSampled :

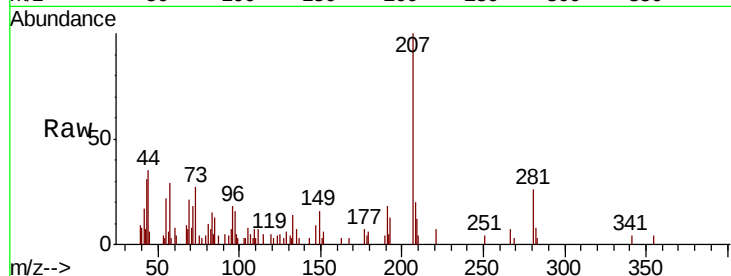
Tot Ion:149 Resp: 374

Ion Ratio Lower Upper

149 100

167 52.7 1.3 1.9#

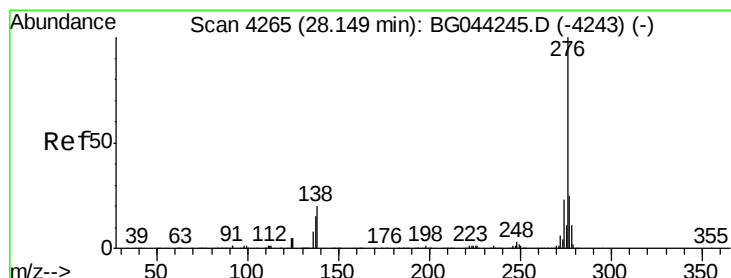
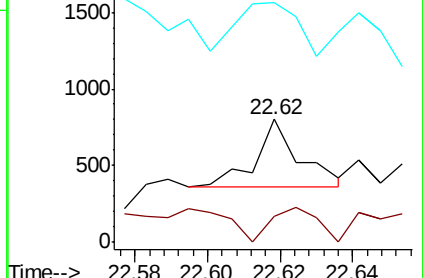
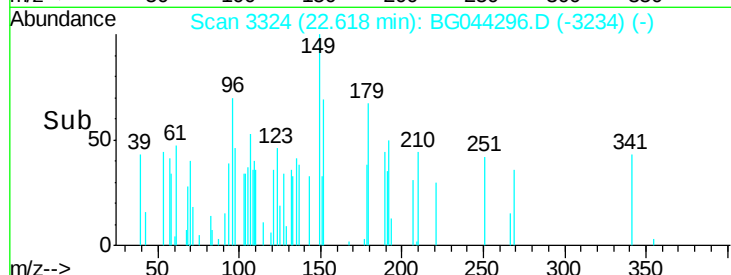
43 0.0 7.4 11.0#



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: 12.162 ng

RT: 28.14 min Scan# 4263

Delta R.T. -0.01 min

Lab File: BG044296.D

Acq: 5 Feb 2020 1:11

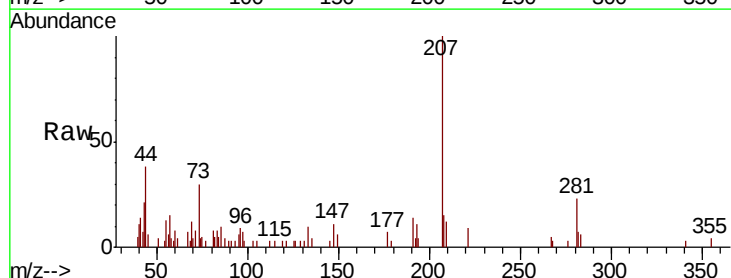
Tgt Ion:276 Resp: 69

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

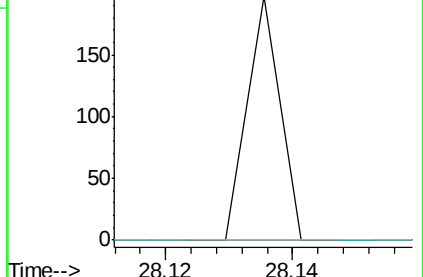
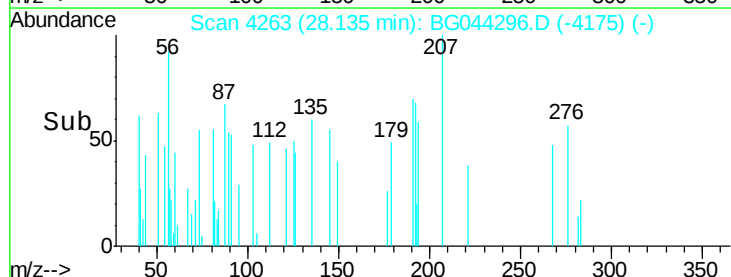
277 0.0 21.0 31.6#

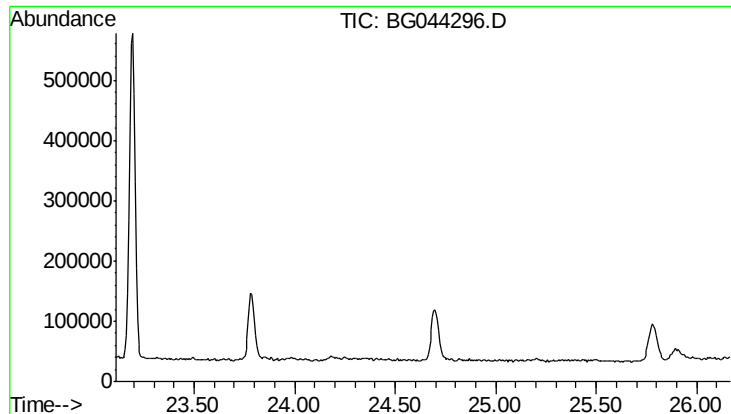


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87
Pervlone-d12
Concen: 0.000 ng
Expected RT: 24.64 min
Lab File: BG044296.D
Acq: 5 Feb 2020 1:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 264
Sig Exp Ratio
264 100
260 24.3
265 20.9

