

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041619\
 Data File : BG040526.D
 Acq On : 17 Apr 2019 6:57
 Operator : JU/SJ
 Sample : K2422-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 17 08:18:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

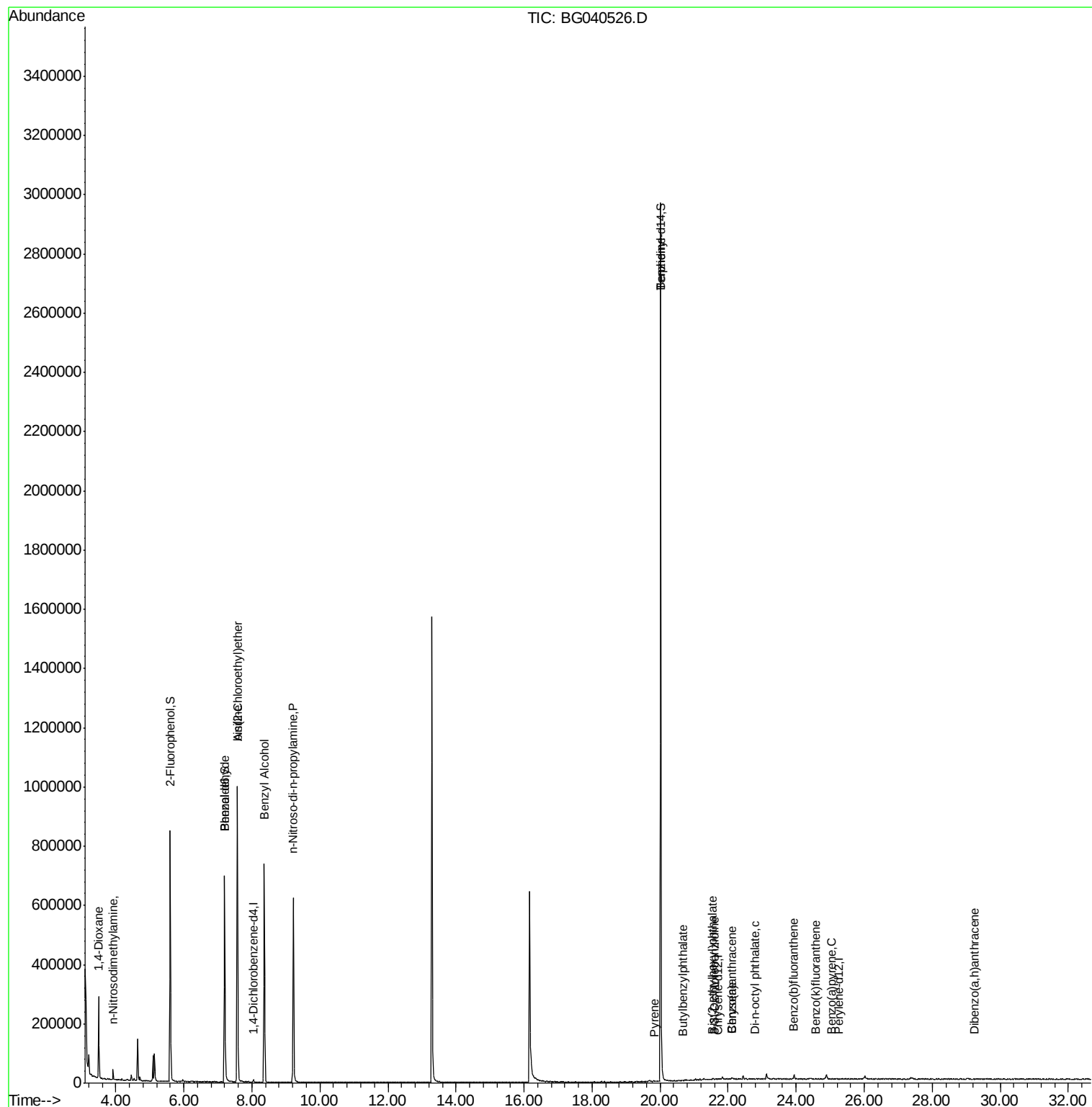
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	2544	20.00	ng	-0.03
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.88
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.70
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.45
76) Chrysene-d12	21.70	240	61	20.00	ng	-0.03
87) Perylene-d12	25.25	264	64	20.00	ng	0.21
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	376109	2457.74	ng	-0.02
7) Phenol-d6	7.20	99	441497	2087.55	ng	-0.02
23) Nitrobenzene-d5	9.22	82	397443	0.00	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	151526	0.00	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	897346	0.00	ng	-0.03
79) Terphenyl-d14	20.02	244	1438739	530600.59	ng	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.51	88	148	2.057	ng	# 1
4) n-Nitrosodimethylamine	3.92	42	1889	21.078	ng	# 29
6) Aniline	7.57	93	713	2.595	ng	# 1
9) Benzaldehyde	7.19	77	683	4.708	ng	# 2
11) bis(2-Chloroethyl)ether	7.57	93	713	3.878	ng	# 1
15) Benzyl Alcohol	8.37	79	6068	35.626	ng	# 48
19) n-Nitroso-di-n-propylamine	9.22	70	49606	327.143	ng	# 79
77) Benzidine	20.02	184	23061	10469.056	ng	# 93
78) Pyrene	19.84	202	241	60.078	ng	# 56
80) Butylbenzylphthalate	20.69	149	106	61.752	ng	# 23
81) Benzo(a)anthracene	22.10	228	155	41.253	ng	# 51
82) 3,3'-Dichlorobenzidine	21.60	252	138	96.552	ng	# 26
83) Chrysene	22.10	228	155	42.925	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.54	149	1146	467.040	ng	# 40
85) Di-n-octyl phthalate	22.78	149	133	31.814	ng	# 1
88) Benzo(b)fluoranthene	23.91	252	85	21.693	ng	# 60
89) Benzo(k)fluoranthene	24.56	252	55	15.264	ng	# 59
90) Benzo(a)pyrene	25.03	252	55	14.960	ng	# 59
91) Dibenzo(a,h)anthracene	29.24	278	93	27.237	ng	# 57

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

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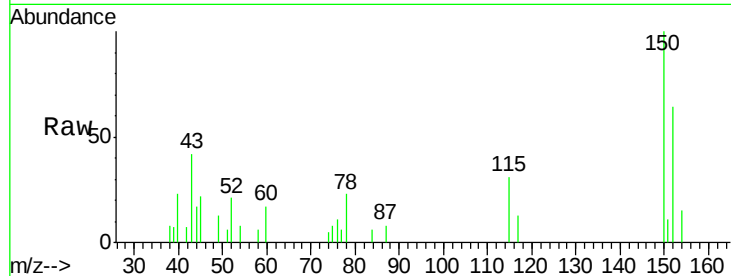


#1

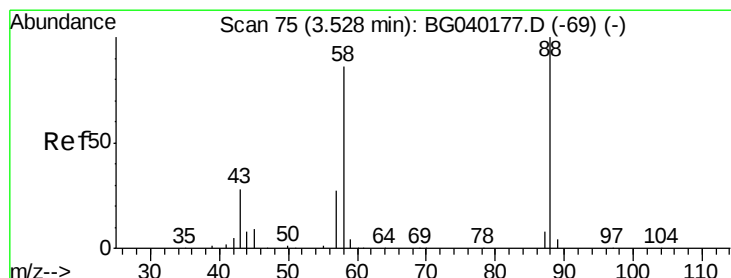
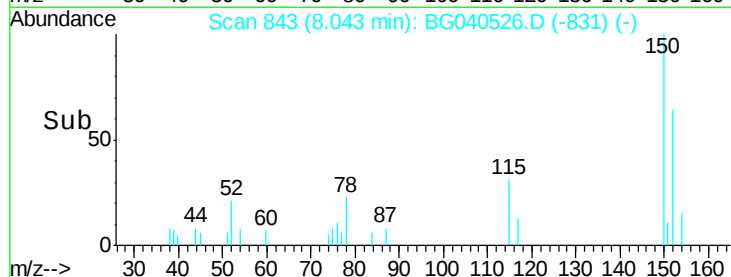
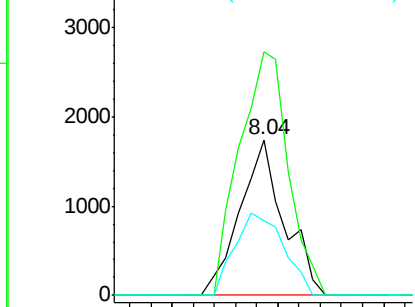
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.03 min
Lab File: BG040526.D
Acq: 17 Apr 2019 6:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 2544
Ion Ratio Lower Upper
152 100
150 156.4 123.7 185.5
115 48.2 46.9 70.3



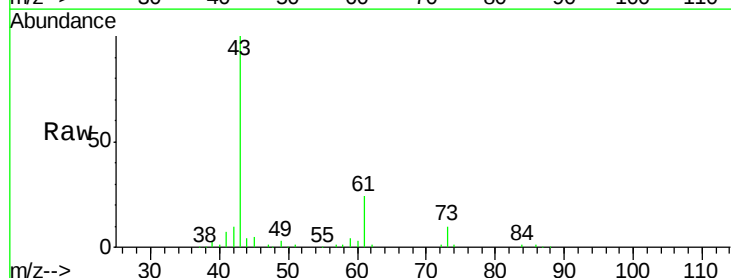
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



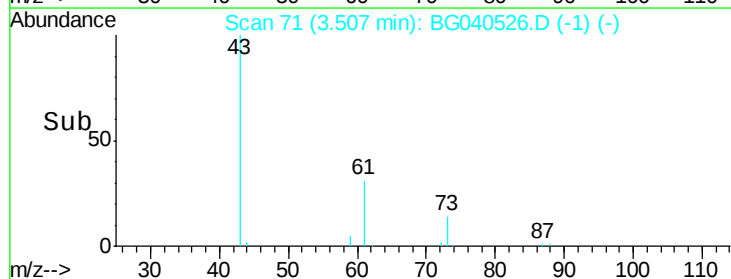
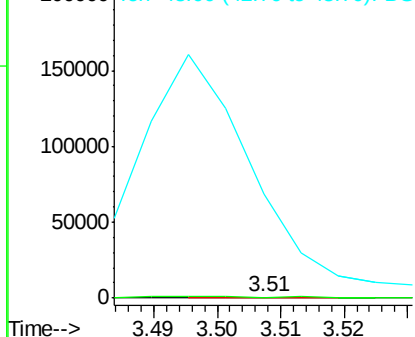
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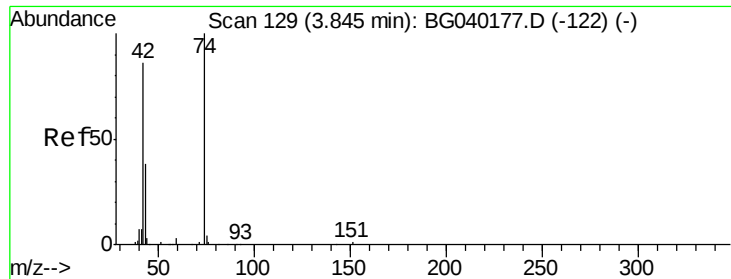
1,4-Dioxane
Concen: 2.057 ng
RT: 3.51 min Scan# 71
Delta R.T. -0.02 min
Lab File: BG040526.D
Acq: 17 Apr 2019 6:57

Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
58 566.2 70.6 106.0#
43 135699.3 24.8 37.2#



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



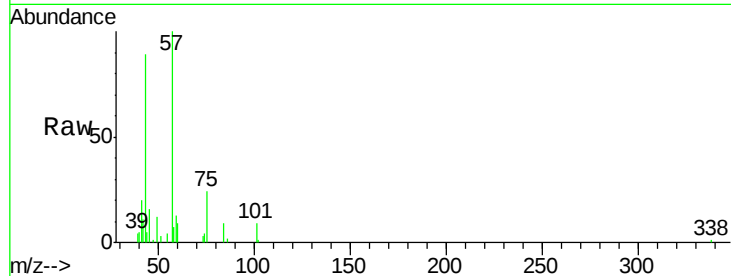


#4

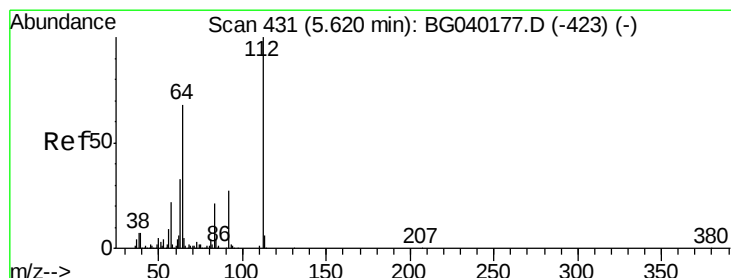
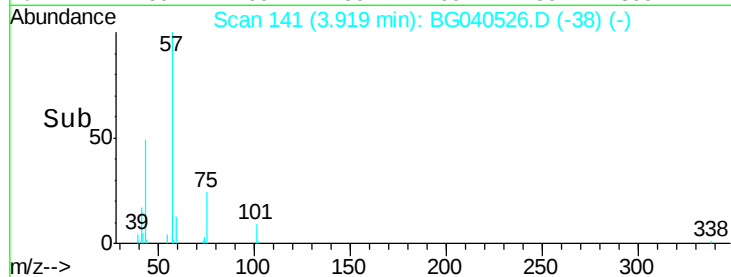
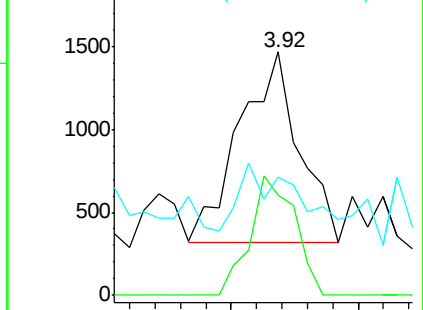
n-Nitrosodimethylamine
 Concen: 21.078 ng
 RT: 3.92 min Scan# 141
 Delta R.T. 0.07 min
 Lab File: BG040526.D
 Acq: 17 Apr 2019 6:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
74	41.4	92.9	139.3#
44	48.4	9.7	14.5#



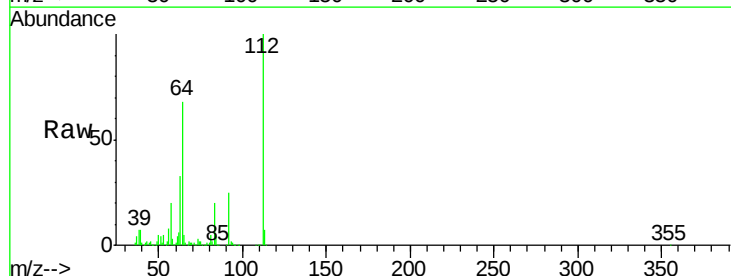
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



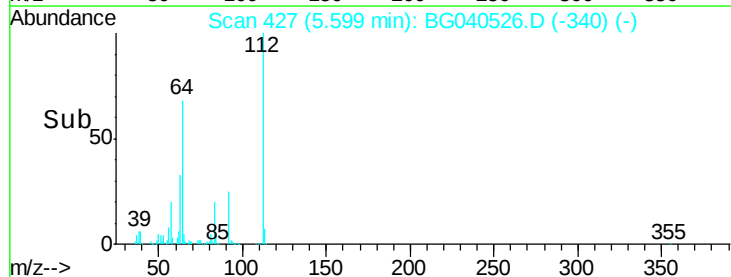
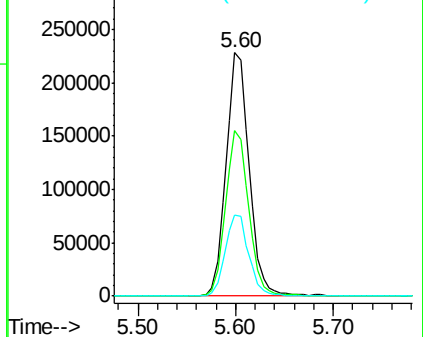
#5

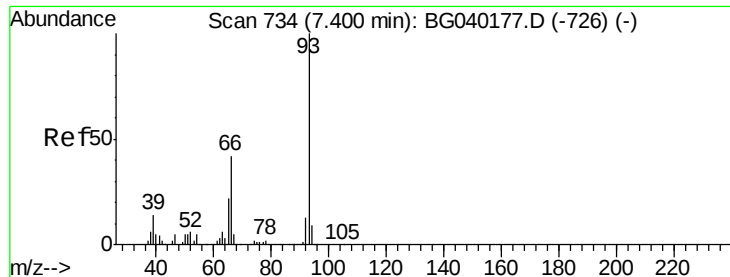
2-Fluorophenol
 Concen: 2457.737 ng
 RT: 5.60 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: BG040526.D
 Acq: 17 Apr 2019 6:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	54.2	81.2
63	33.4	26.4	39.6



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





#6

Aniline

Concen: 2.595 ng

RT: 7.57 min Scan# 762

Delta R.T. 0.17 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampled :

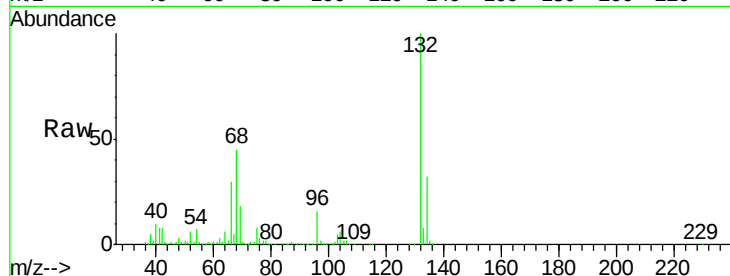
Tot Ion: 93 Resp: 713

Ion Ratio Lower Upper

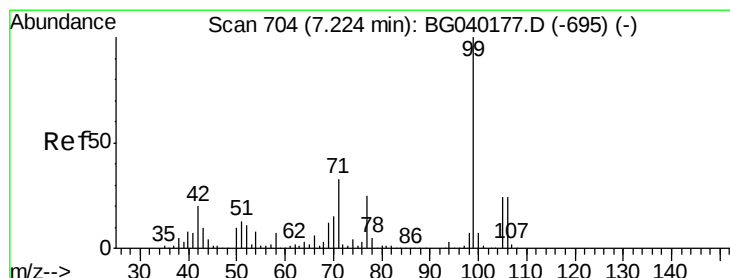
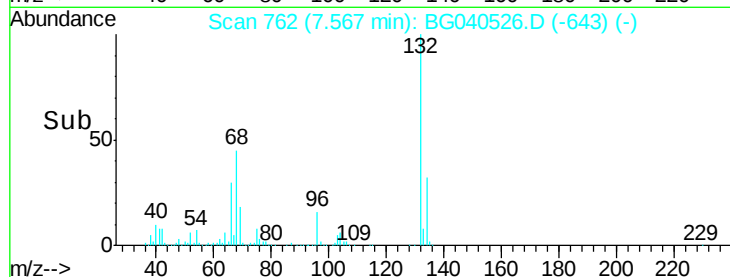
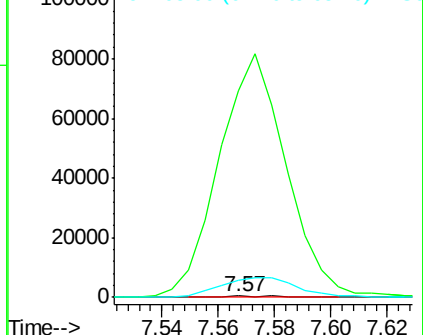
93 100

66 14877.3 33.6 50.4#

65 1200.4 17.4 26.2#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 2087.547 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

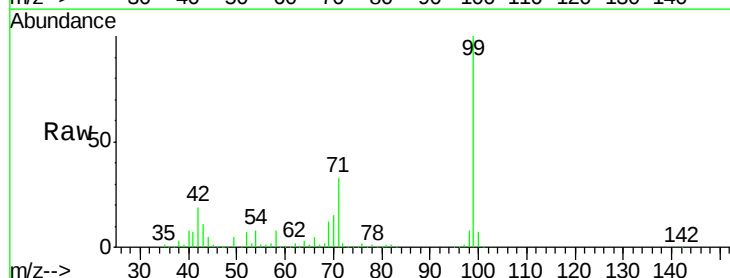
Tgt Ion: 99 Resp: 441497

Ion Ratio Lower Upper

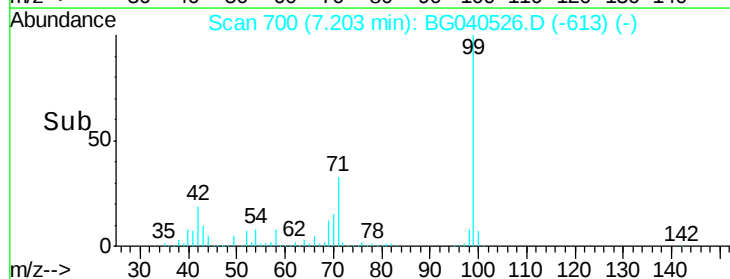
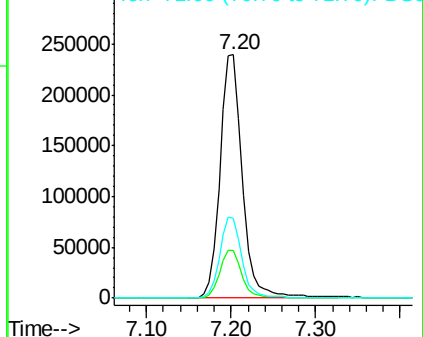
99 100

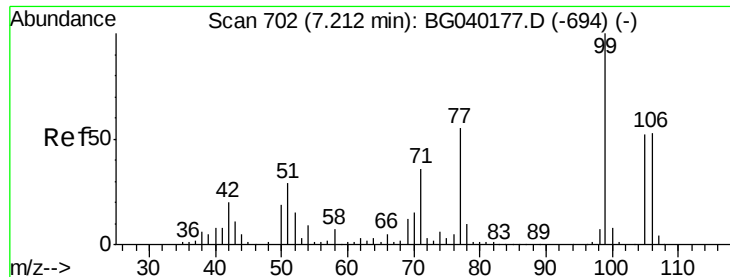
42 19.4 16.2 24.2

71 32.8 26.8 40.2



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

Benzaldehyd

Concen: 4.708 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.02 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampleId :

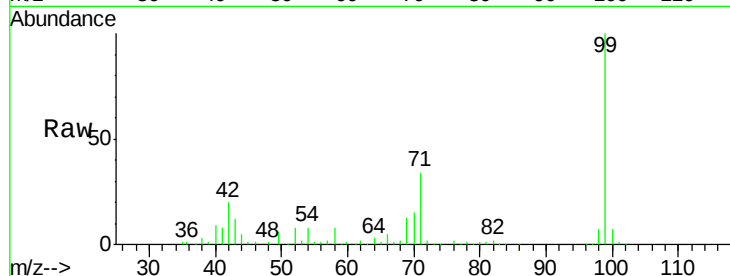
Tot Ion: 77 Resp: 683

Ion Ratio Lower Upper

77 100

105 0.0 75.0 115.0#

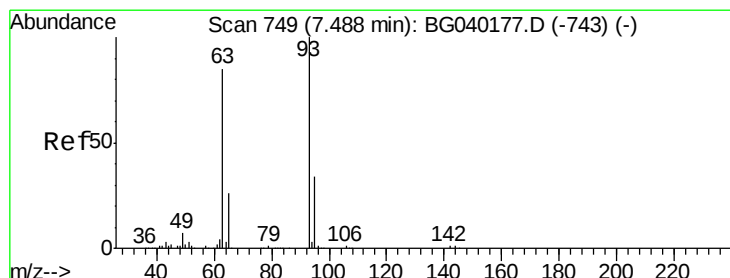
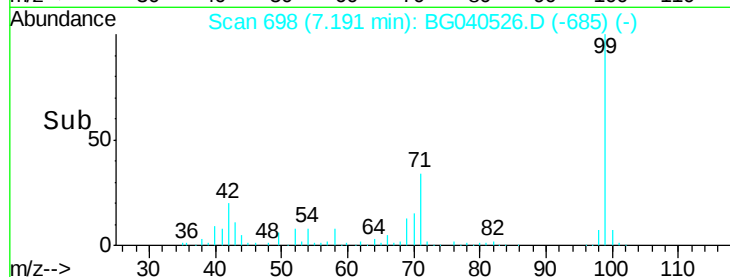
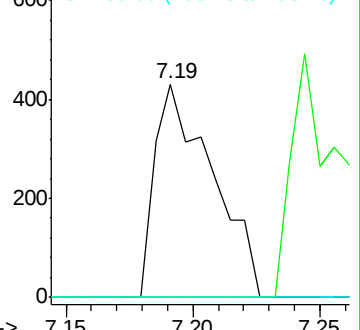
106 0.0 75.7 115.7#



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



#11

bis(2-Chloroethyl)ether

Concen: 3.878 ng

RT: 7.57 min Scan# 762

Delta R.T. 0.08 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

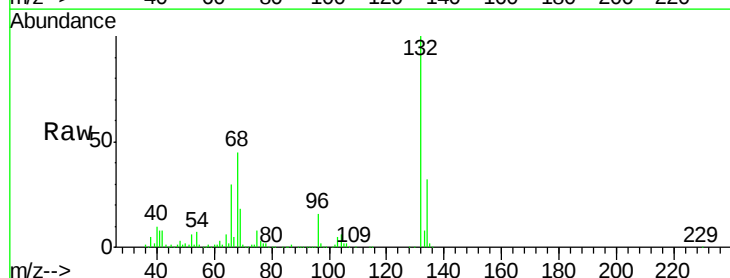
Tgt Ion: 93 Resp: 713

Ion Ratio Lower Upper

93 100

63 635.0 64.2 104.2#

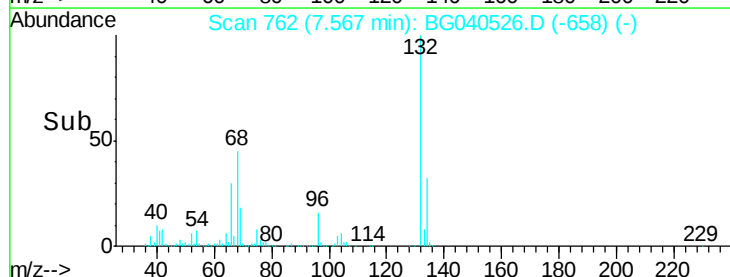
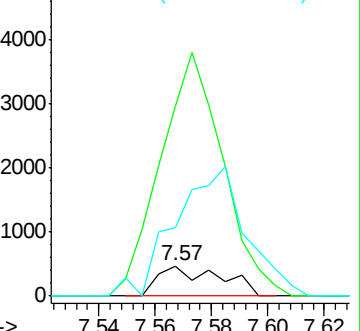
95 228.3 14.0 54.0#

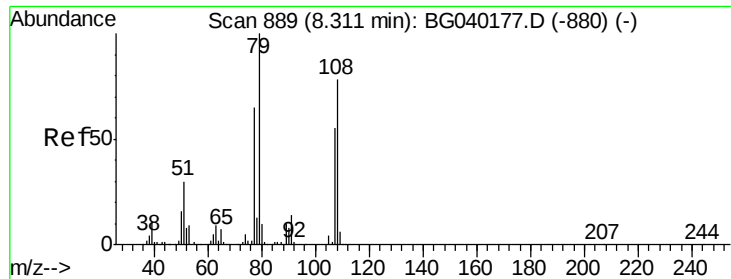


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 35.626 ng

RT: 8.37 min Scan# 898

Delta R.T. 0.06 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampled :

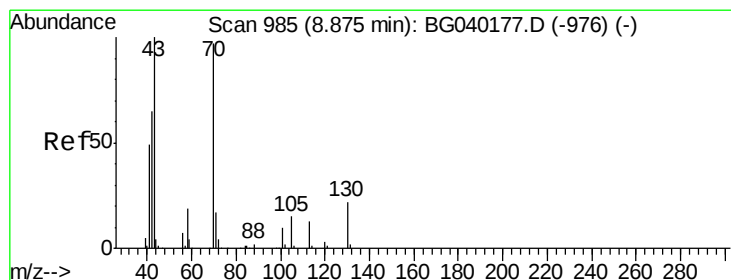
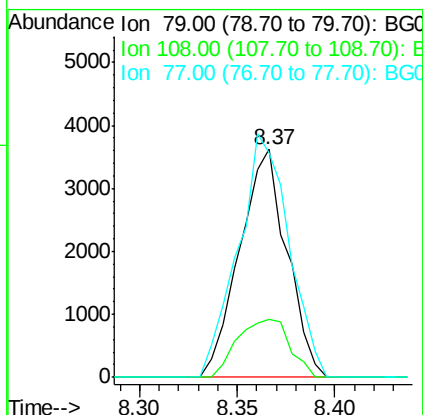
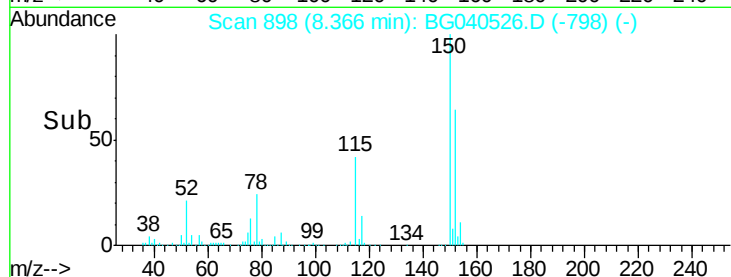
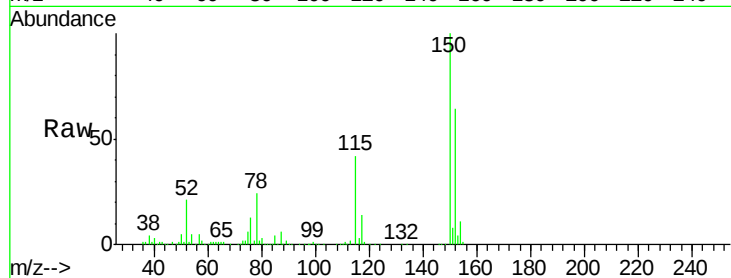
Tot Ion: 79 Resp: 6068

Ion Ratio Lower Upper

79 100

108 25.6 62.1 93.1#

77 98.5 51.9 77.9#



#19

n-Nitroso-di-n-propylamine

Concen: 327.143 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Tgt Ion: 70 Resp: 49606

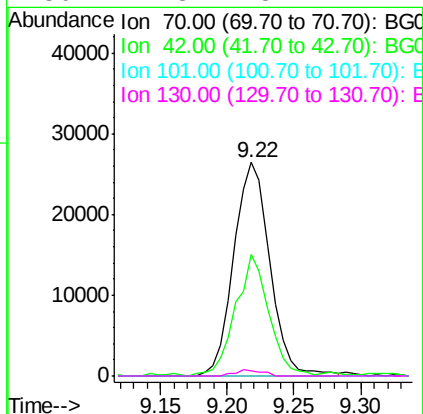
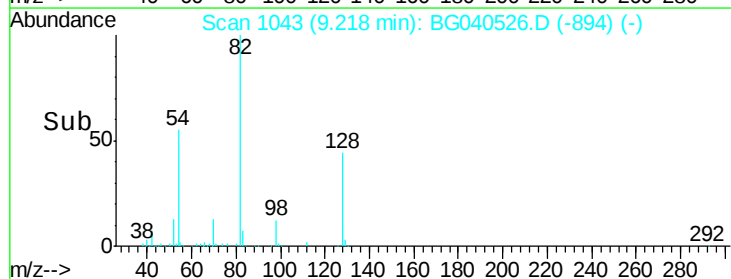
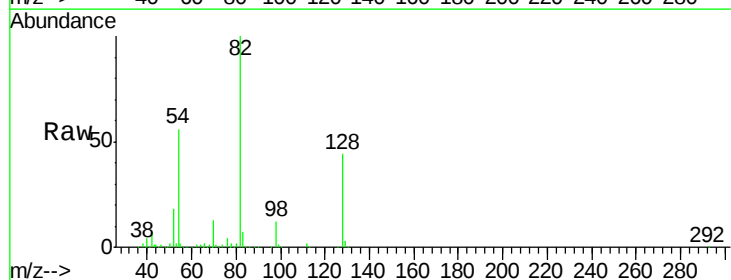
Ion Ratio Lower Upper

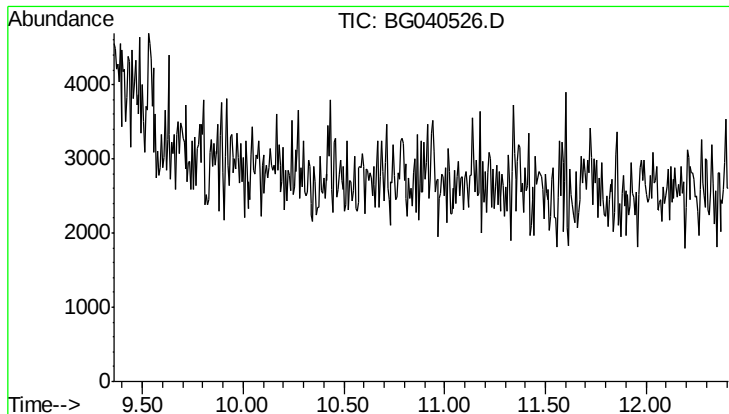
70 100

42 57.1 54.0 81.0

101 0.0 8.6 13.0#

130 2.3 18.2 27.2#

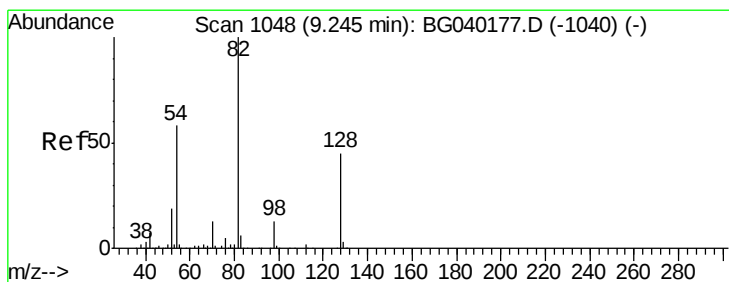
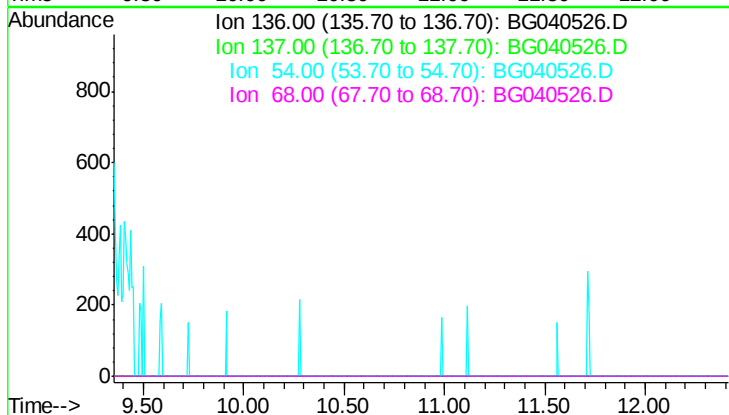




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.88 min
Lab File: BG040526.D
Acq: 17 Apr 2019 6:57

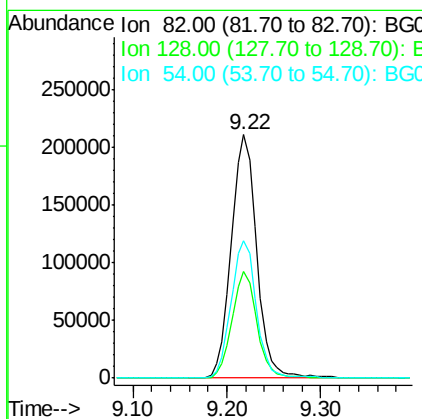
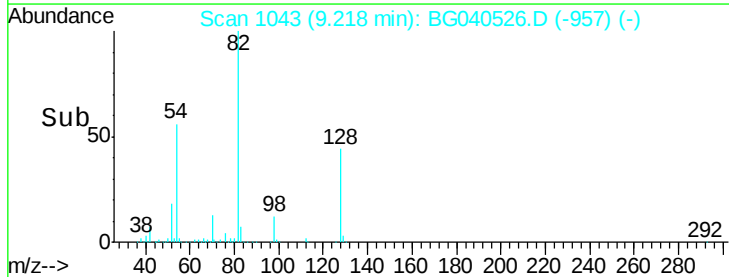
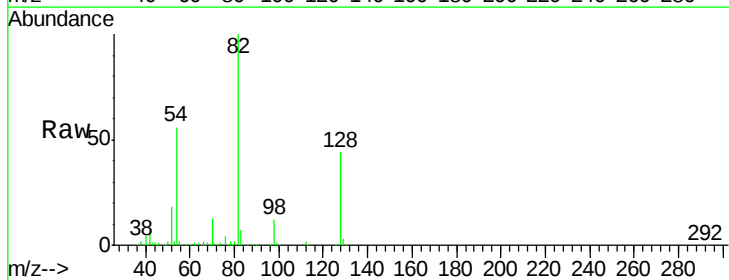
Instrument :
BNA_G
ClientSampleId :

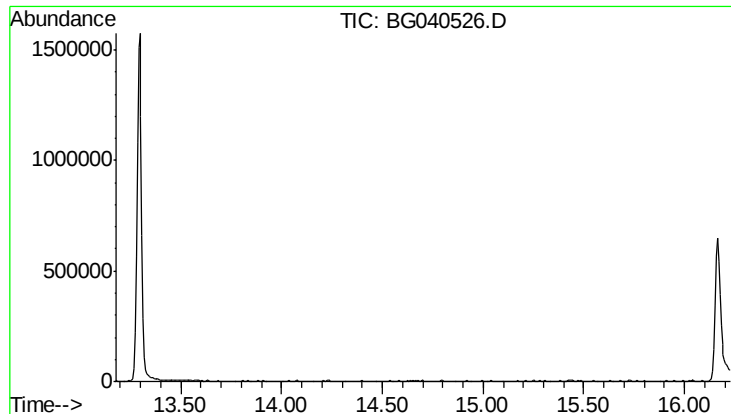
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.1
54 12.0
68 6.4



#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040526.D
Acq: 17 Apr 2019 6:57

Tgt Ion: 82 Resp: 397443
Ion Ratio Lower Upper
82 100
128 44.0 35.8 53.8
54 56.3 46.2 69.2





#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 14.70 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampleId :

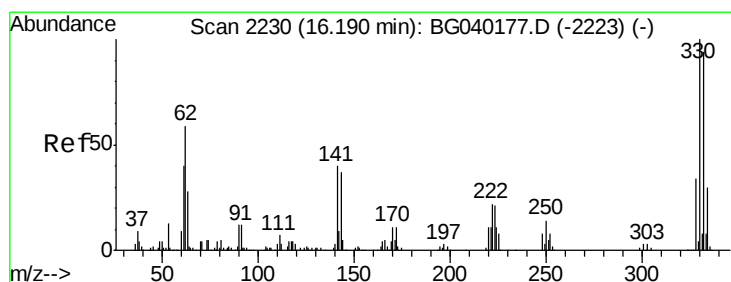
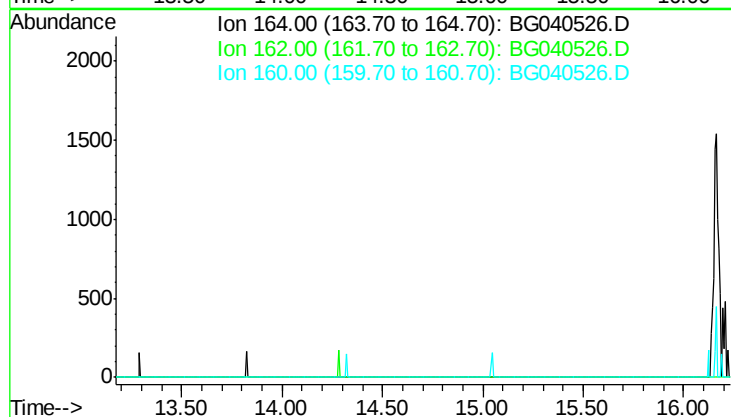
Tot Ion: 164

Sig Exp Ratio

164 100

162 96.8

160 44.1



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.03 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

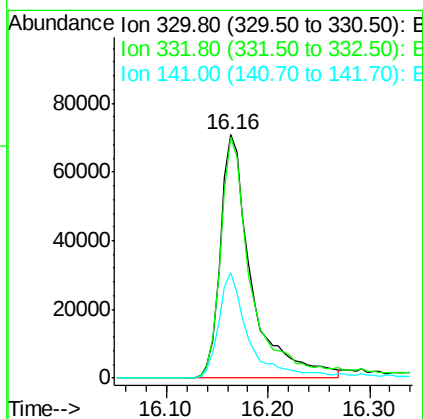
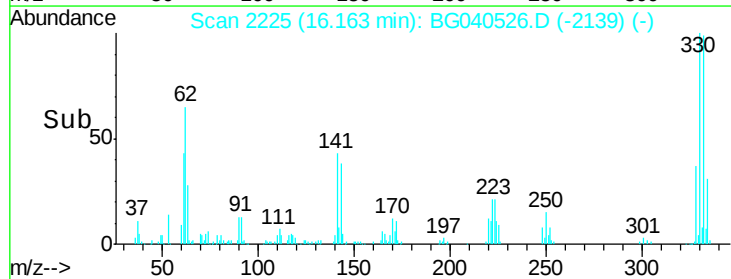
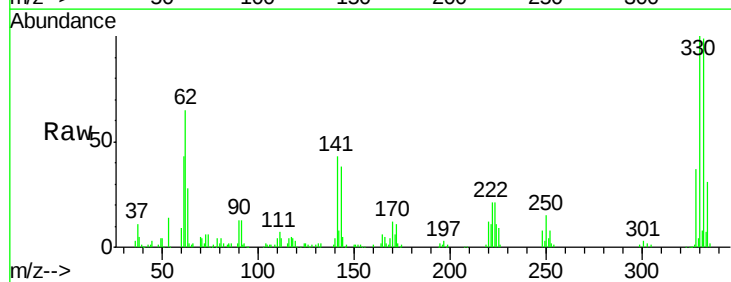
Tgt Ion: 330 Resp: 151526

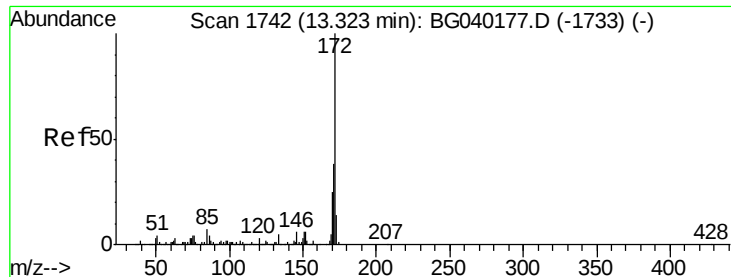
Ion Ratio Lower Upper

330 100

332 97.7 76.6 115.0

141 43.1 32.6 48.8





#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 13.30 min Scan# 1737

Delta R.T. -0.03 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampleId :

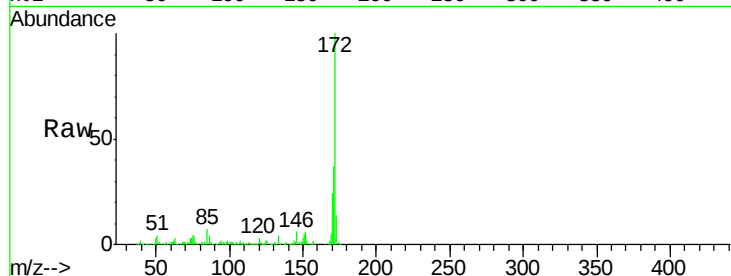
Tot Ion:172 Resp: 897346

Ion Ratio Lower Upper

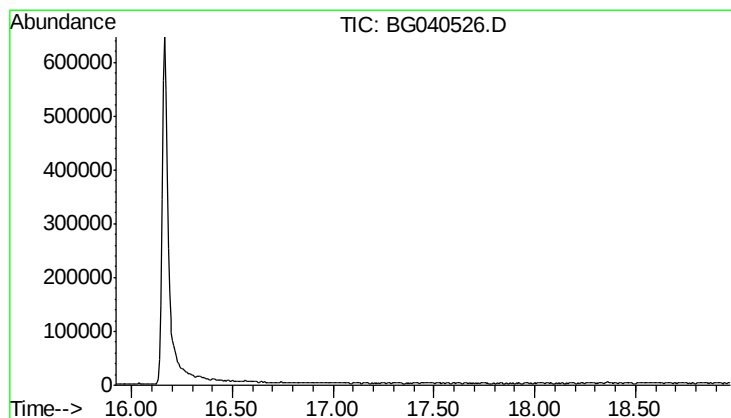
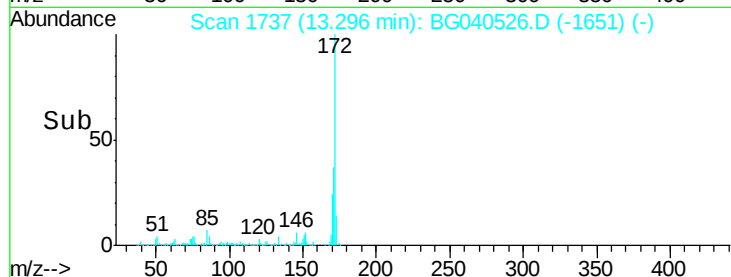
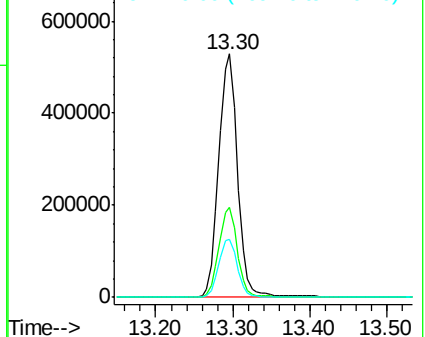
172 100

171 37.1 30.5 45.7

170 24.0 20.1 30.1



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: 17.45 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

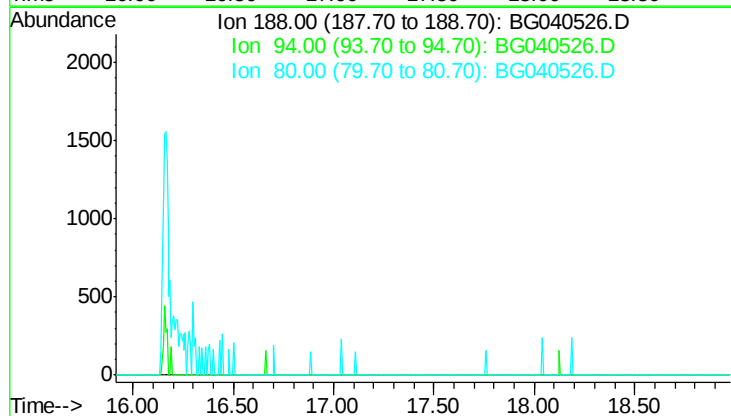
Tgt Ion: 188

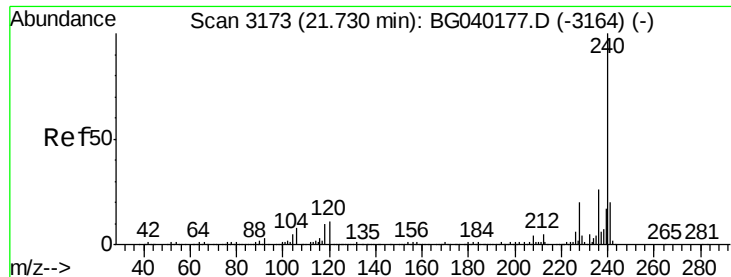
Sig Exp Ratio

188 100

94 8.7

80 10.8

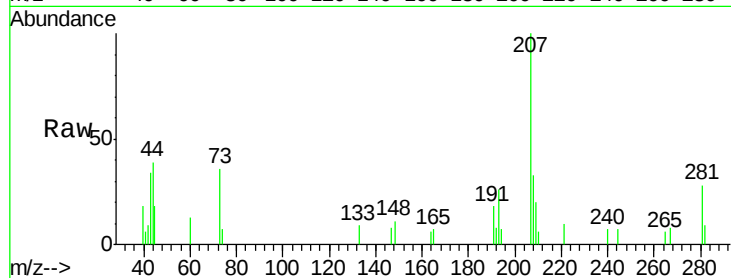




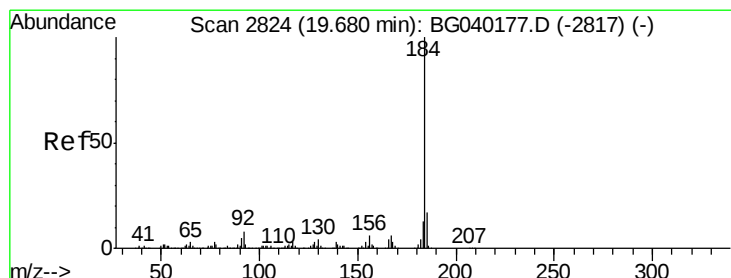
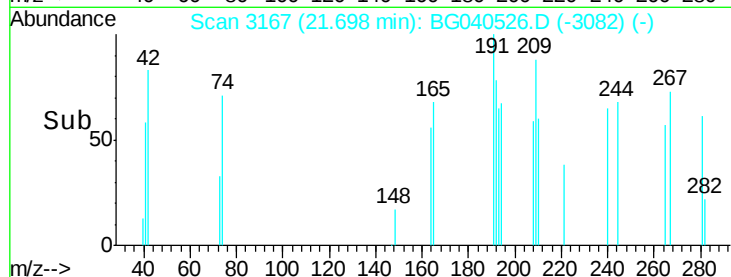
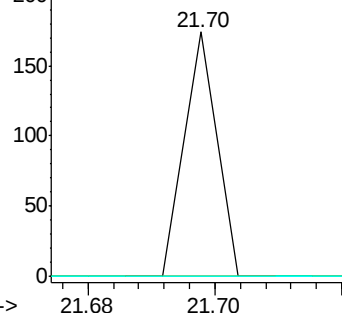
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.03 min
Lab File: BG040526.D
Acq: 17 Apr 2019 6:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 61
Ion Ratio Lower Upper
240 100
120 0.0 8.4 12.6#
236 0.0 20.8 31.2#

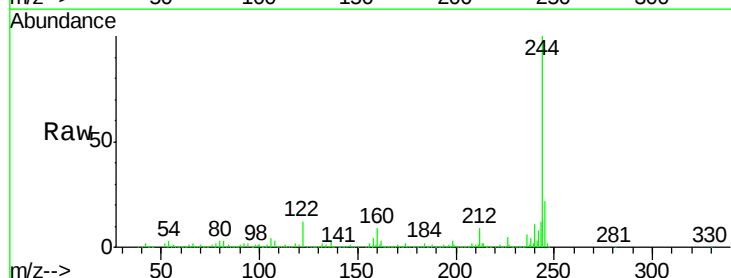


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

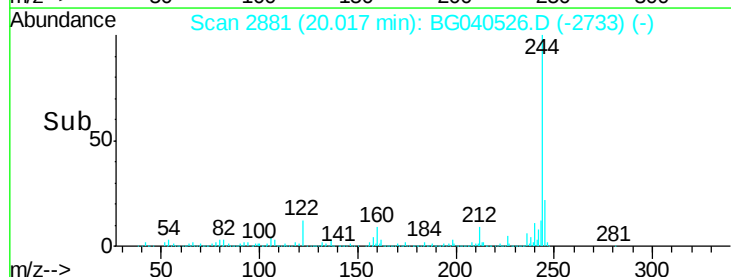
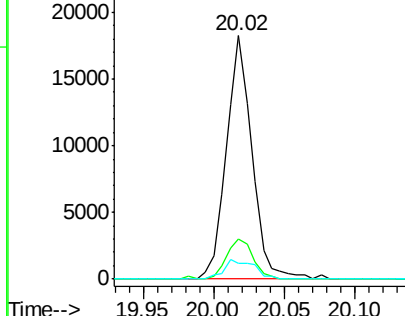


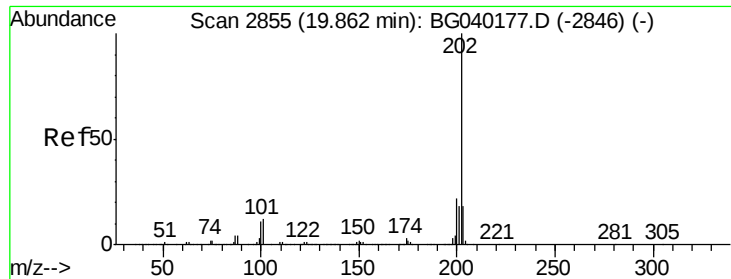
#77
Benzidine
Concen: 10469.056 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.34 min
Lab File: BG040526.D
Acq: 17 Apr 2019 6:57

Tgt Ion:184 Resp: 23061
Ion Ratio Lower Upper
184 100
185 16.2 13.3 19.9
183 6.7 10.3 15.5#



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

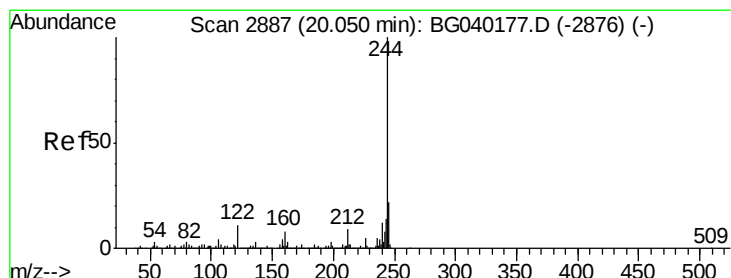
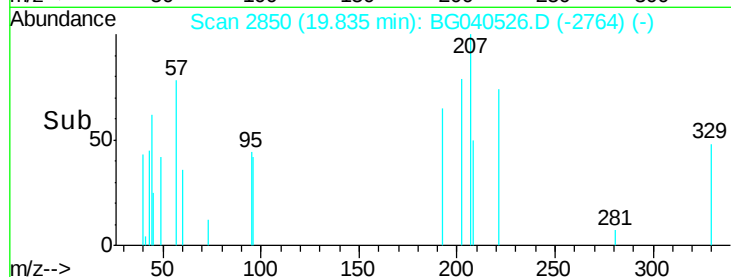
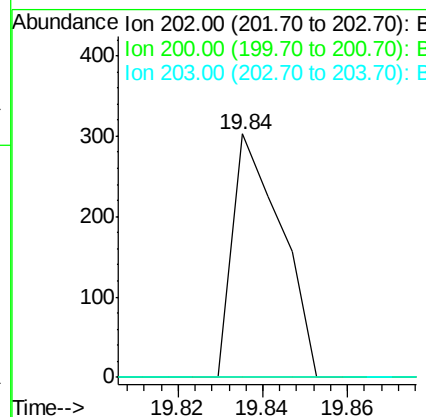
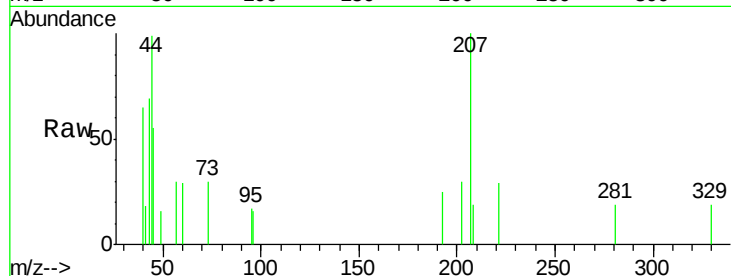




#78
Pvrene
Concen: 60.078 ng
RT: 19.84 min Scan# 2850
Delta R.T. -0.03 min
Lab File: BG040526.D
Acq: 17 Apr 2019 6:57

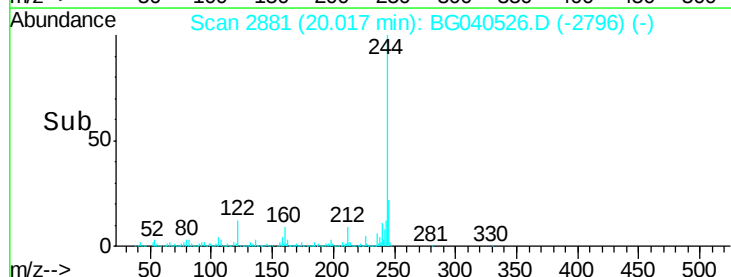
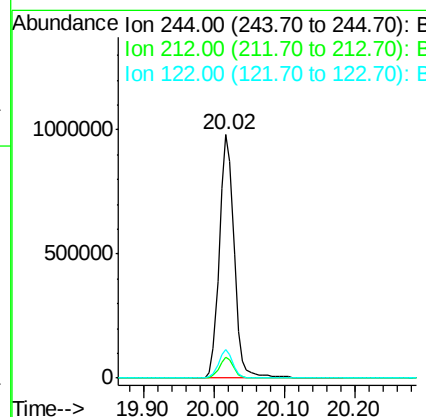
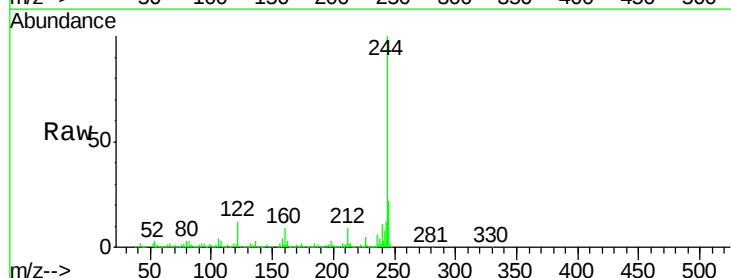
Instrument :
BNA_G
ClientSampleId :

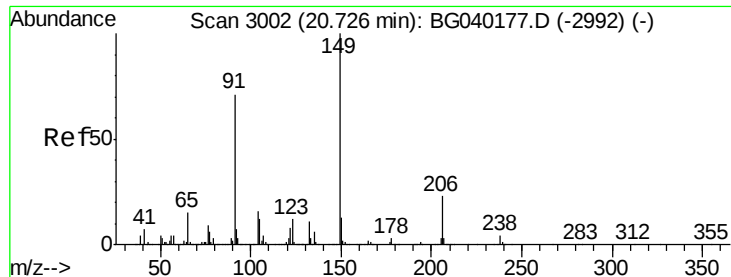
Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	17.3	25.9#
203	0.0	14.6	22.0#



#79
Terphenyl-d14
Concen: 530600.592 ng
RT: 20.02 min Scan# 2881
Delta R.T. -0.03 min
Lab File: BG040526.D
Acq: 17 Apr 2019 6:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.6
122	11.9	8.5	12.7

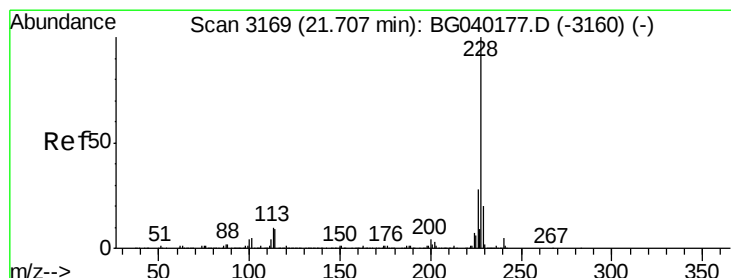
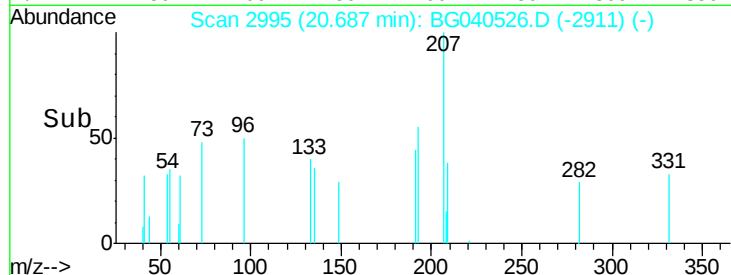
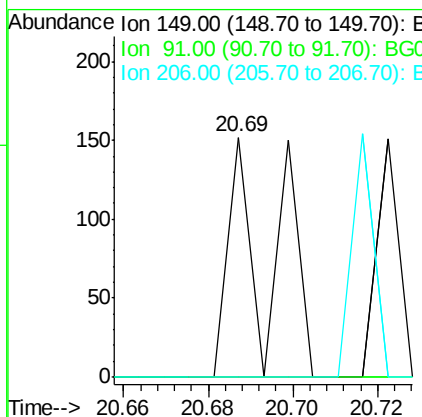
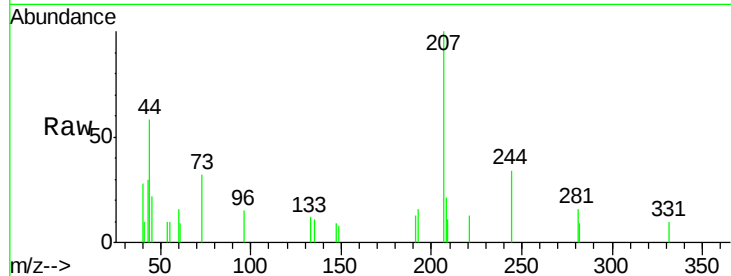




#80
 Butylbenzylphthalate
 Concen: 61.752 ng
 RT: 20.69 min Scan# 2995
 Delta R.T. -0.04 min
 Lab File: BG040526.D
 Acq: 17 Apr 2019 6:57

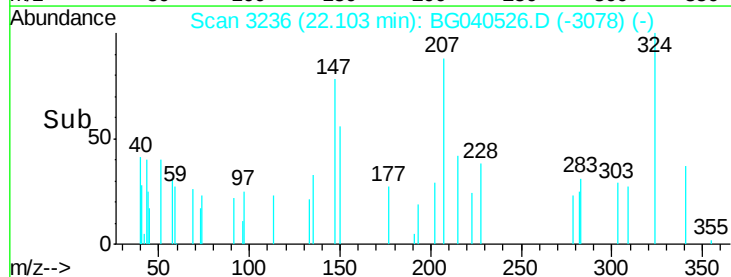
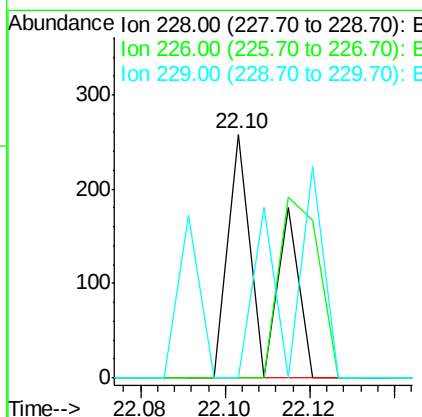
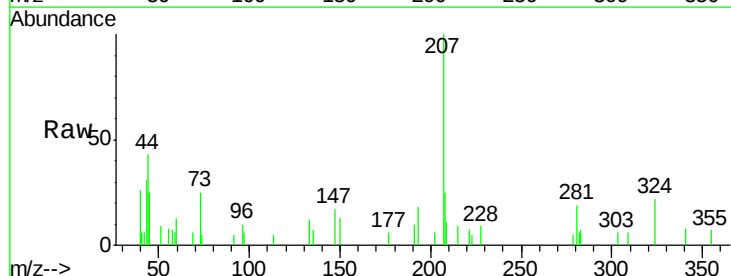
Instrument :
 BNA_G
 ClientSampled :

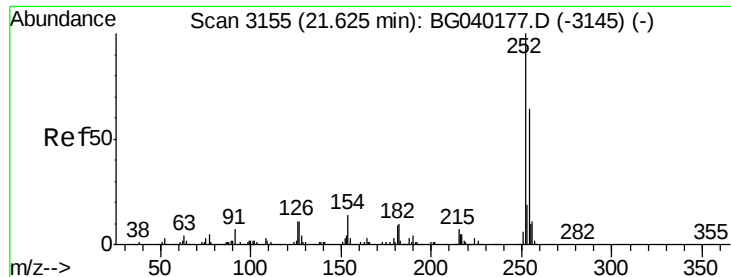
Tot Ion:	149	Resp:	106
Ion	Ratio	Lower	Upper
149	100		
91	0.0	57.0	85.4#
206	0.0	18.2	27.4#



#81
 Benzo(a)anthracene
 Concen: 41.253 ng
 RT: 22.10 min Scan# 3236
 Delta R.T. 0.40 min
 Lab File: BG040526.D
 Acq: 17 Apr 2019 6:57

Tgt Ion:	228	Resp:	155
Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.6	34.0#
229	0.0	16.1	24.1#





#82

3,3'-Dichlorobenzidine

Concen: 96.552 ng

RT: 21.60 min Scan# 3150

Delta R.T. -0.03 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampled :

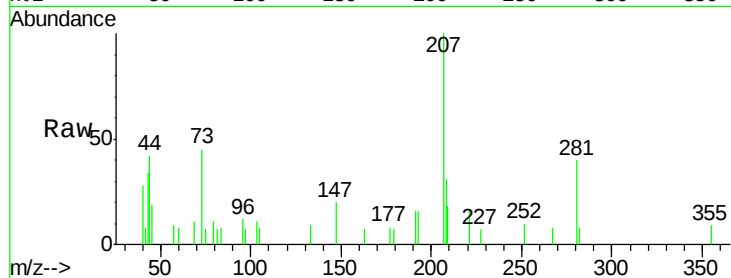
Tot Ion:252 Resp: 138

Ion Ratio Lower Upper

252 100

254 0.0 51.4 77.2#

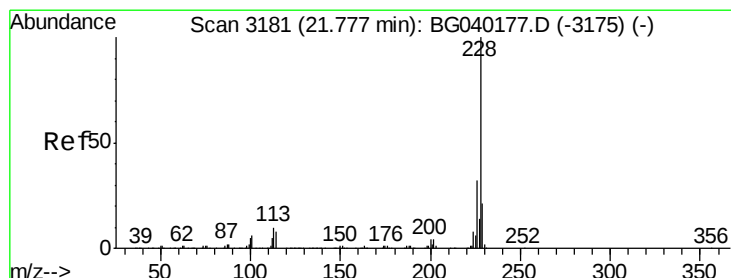
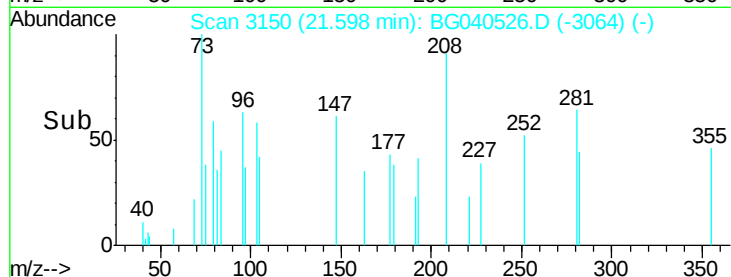
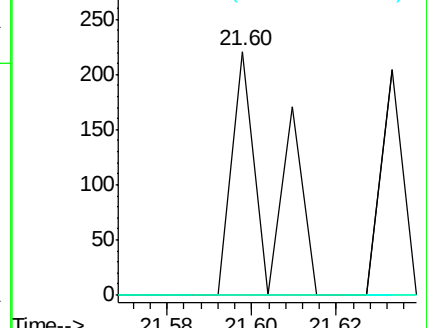
126 0.0 8.5 12.7#



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

Chrysene

Concen: 42.925 ng

RT: 22.10 min Scan# 3236

Delta R.T. 0.33 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

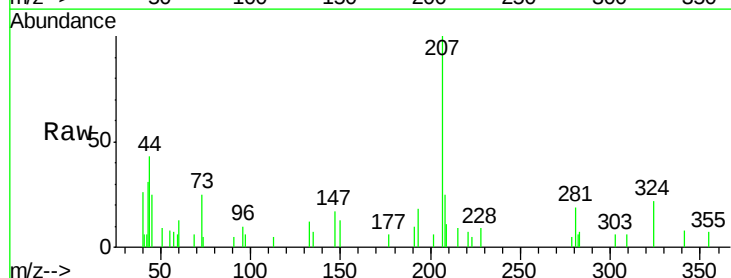
Tgt Ion:228 Resp: 155

Ion Ratio Lower Upper

228 100

226 0.0 25.4 38.0#

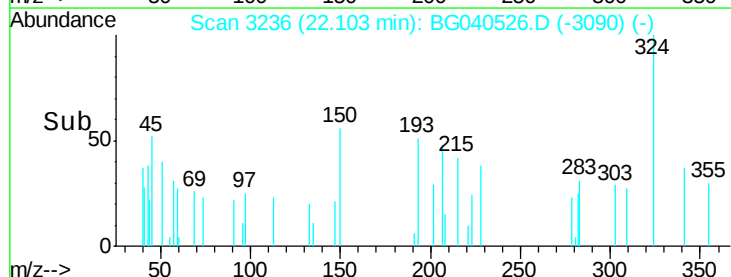
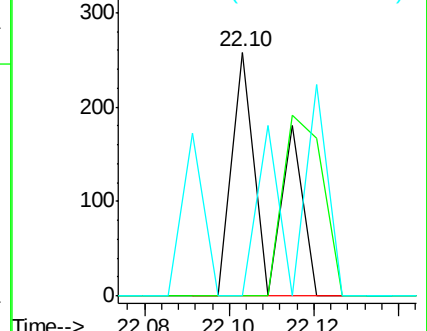
229 0.0 17.0 25.4#

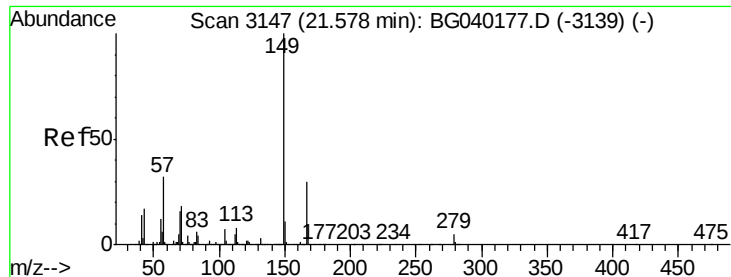


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 467.040 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.03 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampleId :

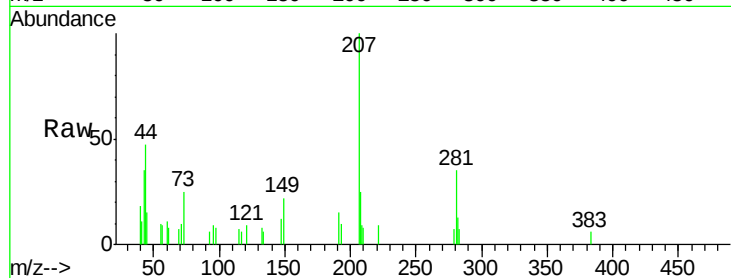
Tot Ion:149 Resp: 1146

Ion Ratio Lower Upper

149 100

167 0.0 24.1 36.1#

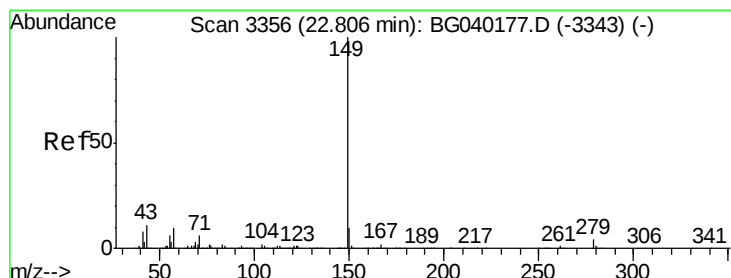
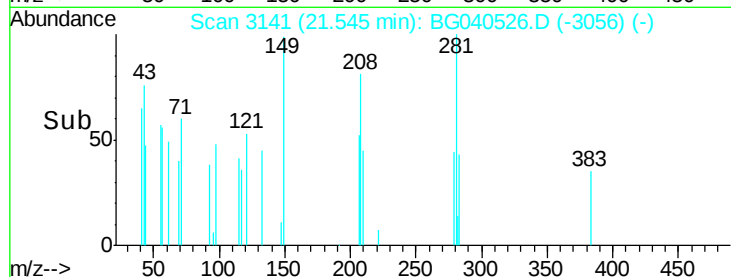
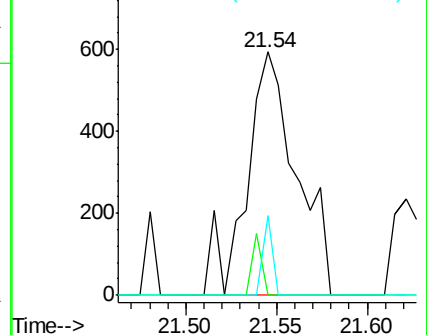
279 32.8 4.1 6.1#



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: 31.814 ng

RT: 22.78 min Scan# 3351

Delta R.T. -0.03 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

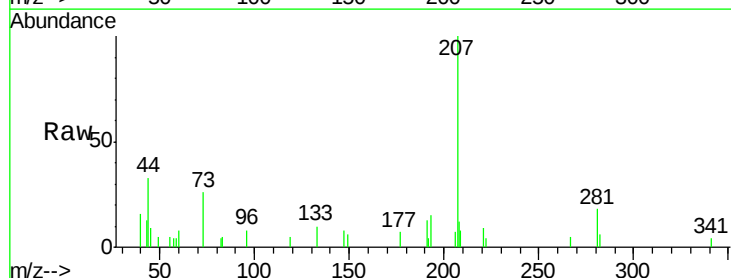
Tgt Ion:149 Resp: 133

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

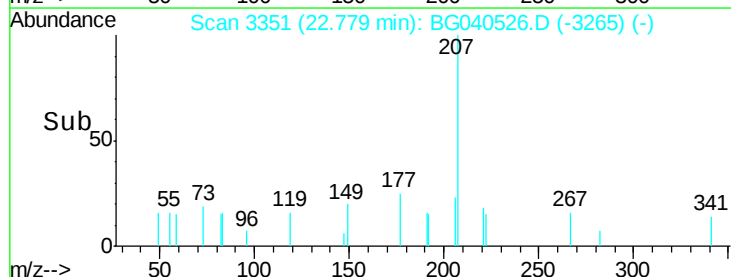
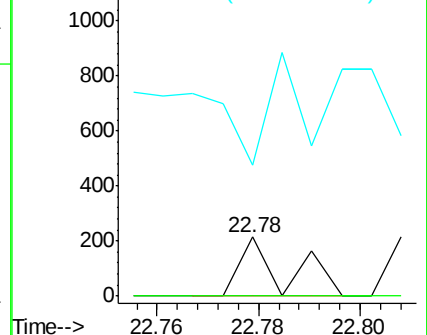
43 336.8 8.7 13.1#

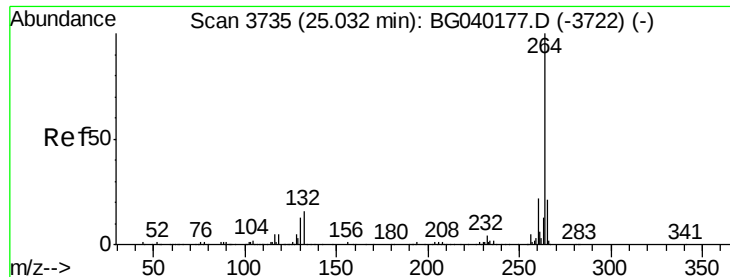


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.25 min Scan# 3771

Delta R.T. 0.21 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampled :

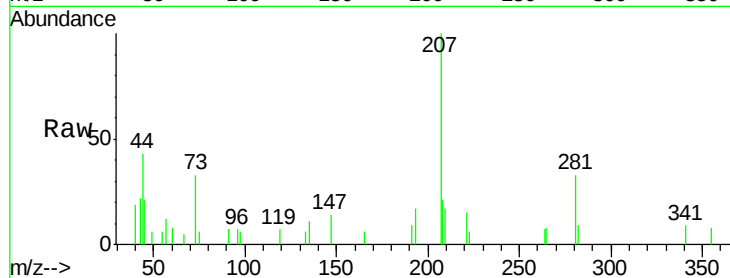
Tot Ion:264 Resp: 64

Ion Ratio Lower Upper

264 100

260 0.0 17.9 26.9#

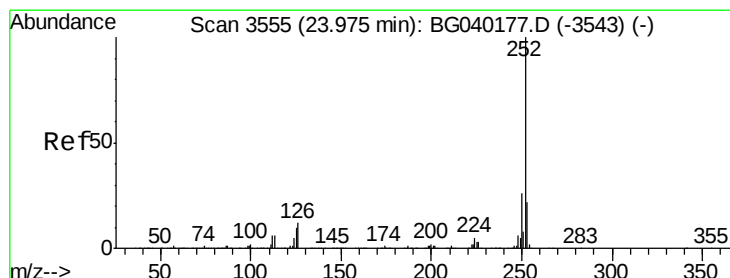
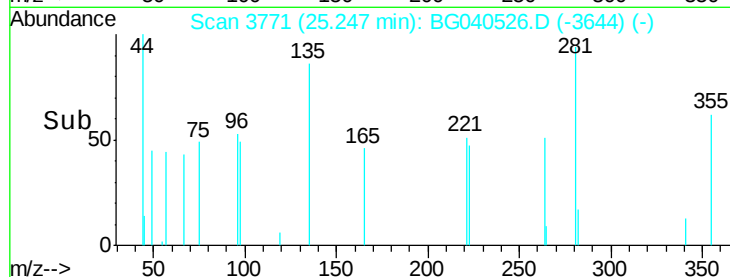
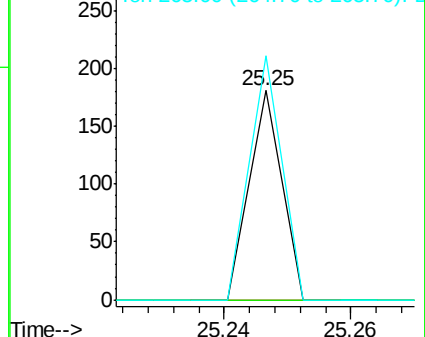
265 116.6 16.8 25.2#



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: 21.693 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.06 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

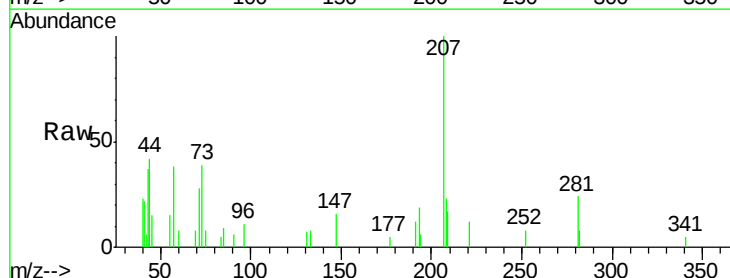
Tgt Ion:252 Resp: 85

Ion Ratio Lower Upper

252 100

253 0.0 17.6 26.4#

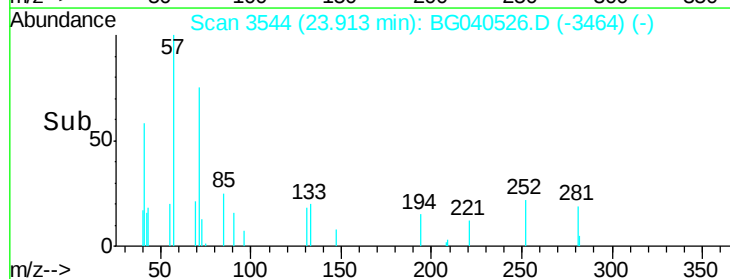
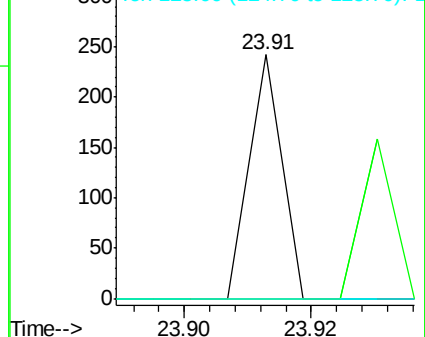
125 0.0 8.2 12.4#

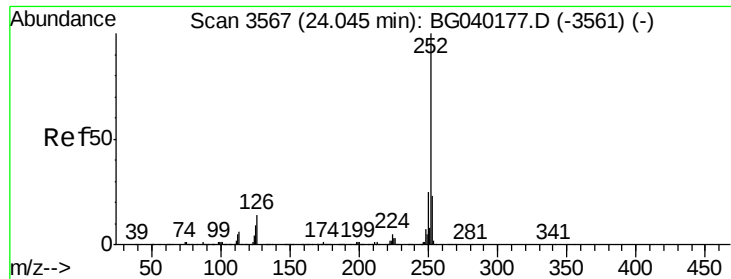


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 15.264 ng

RT: 24.56 min Scan# 3655

Delta R.T. 0.52 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampleId :

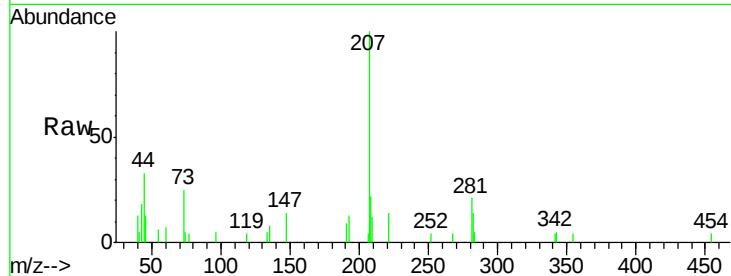
Tot Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

253 0.0 18.6 28.0#

125 0.0 7.3 10.9#

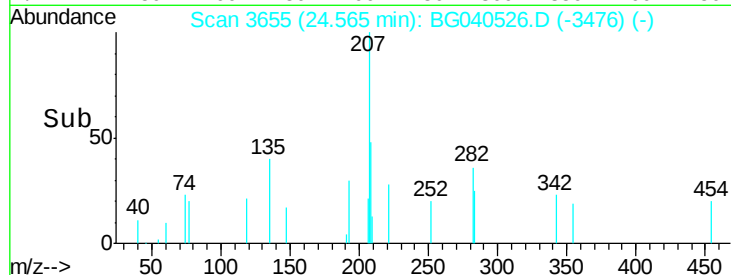


Abundance Ion 252.00 (251.70 to 252.70): E

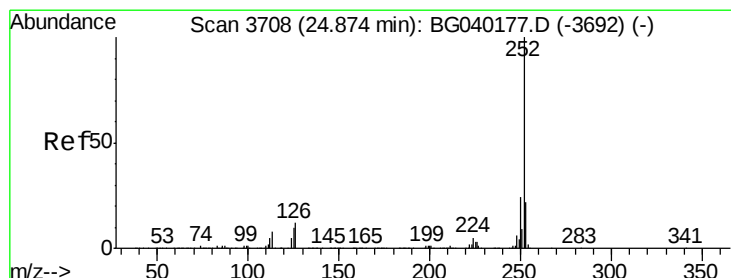
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

24.56



Time-->



#90

Benzo(a)pyrene

Concen: 14.960 ng

RT: 25.03 min Scan# 3734

Delta R.T. 0.16 min

Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

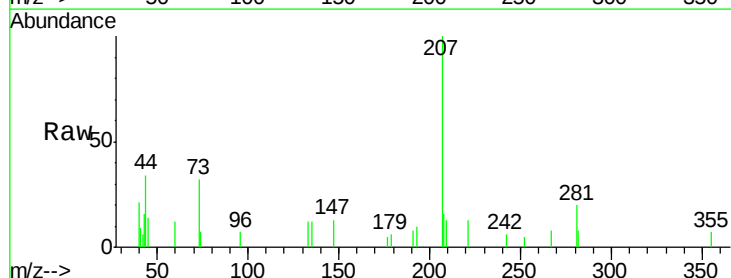
Tgt Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.8#

125 0.0 8.3 12.5#

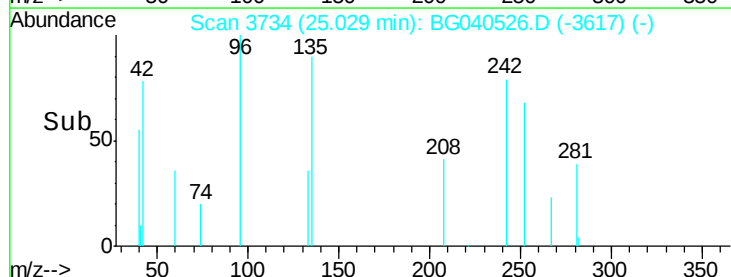


Abundance Ion 252.00 (251.70 to 252.70): E

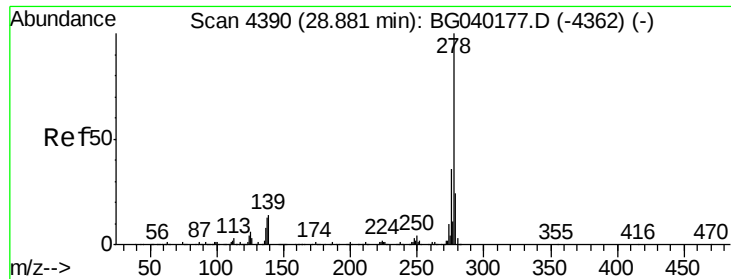
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

25.03



Time-->



#91

Dibenzo(a,h)anthracene

Concen: 27.237 ng

RT: 29.24 min Scan# 4451

Delta R.T. 0.36 min

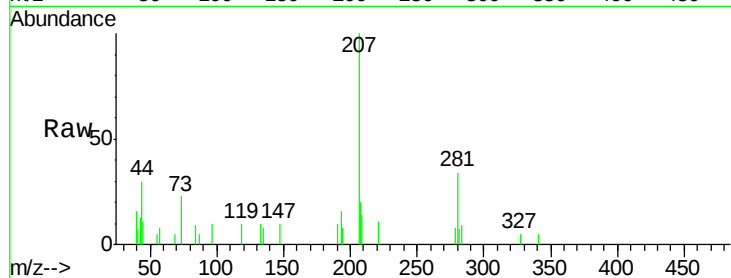
Lab File: BG040526.D

Acq: 17 Apr 2019 6:57

Instrument :

BNA_G

ClientSampleId :



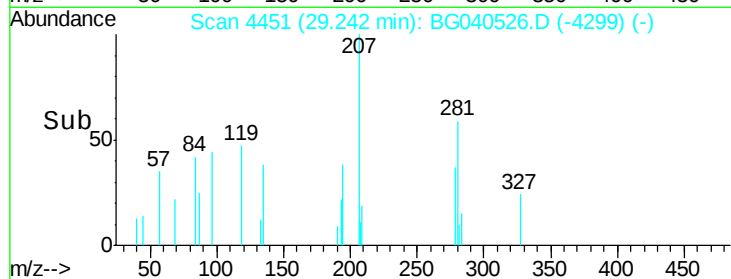
Tot Ion: 278 Resp: 93

Ion Ratio Lower Upper

278 100

139 0.0 11.2 16.8#

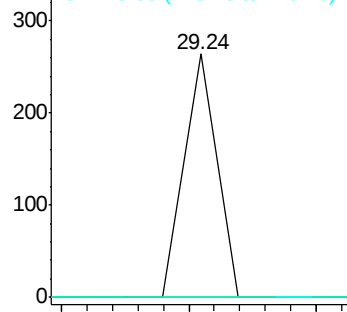
279 0.0 18.9 28.3#



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



Time-->