

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045087.D
 Acq On : 19 Apr 2020 4:20
 Operator : CG/JU
 Sample : L2271-01
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-3

Quant Time: Apr 20 00:29:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	67631	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	298623	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	213175	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	458745	20.00	ng	0.00
76) Chrysene-d12	21.67	240	411400	20.00	ng	0.00
87) Perylene-d12	24.86	264	437031	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	471625	115.13	ng	0.01
7) Phenol-d6	7.20	99	848166	139.35	ng	0.01
23) Nitrobenzene-d5	9.18	82	562318	85.92	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	467902	142.08	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1415845	97.39	ng	0.00
79) Terphenyl-d14	20.01	244	2048326	108.52	ng	0.00

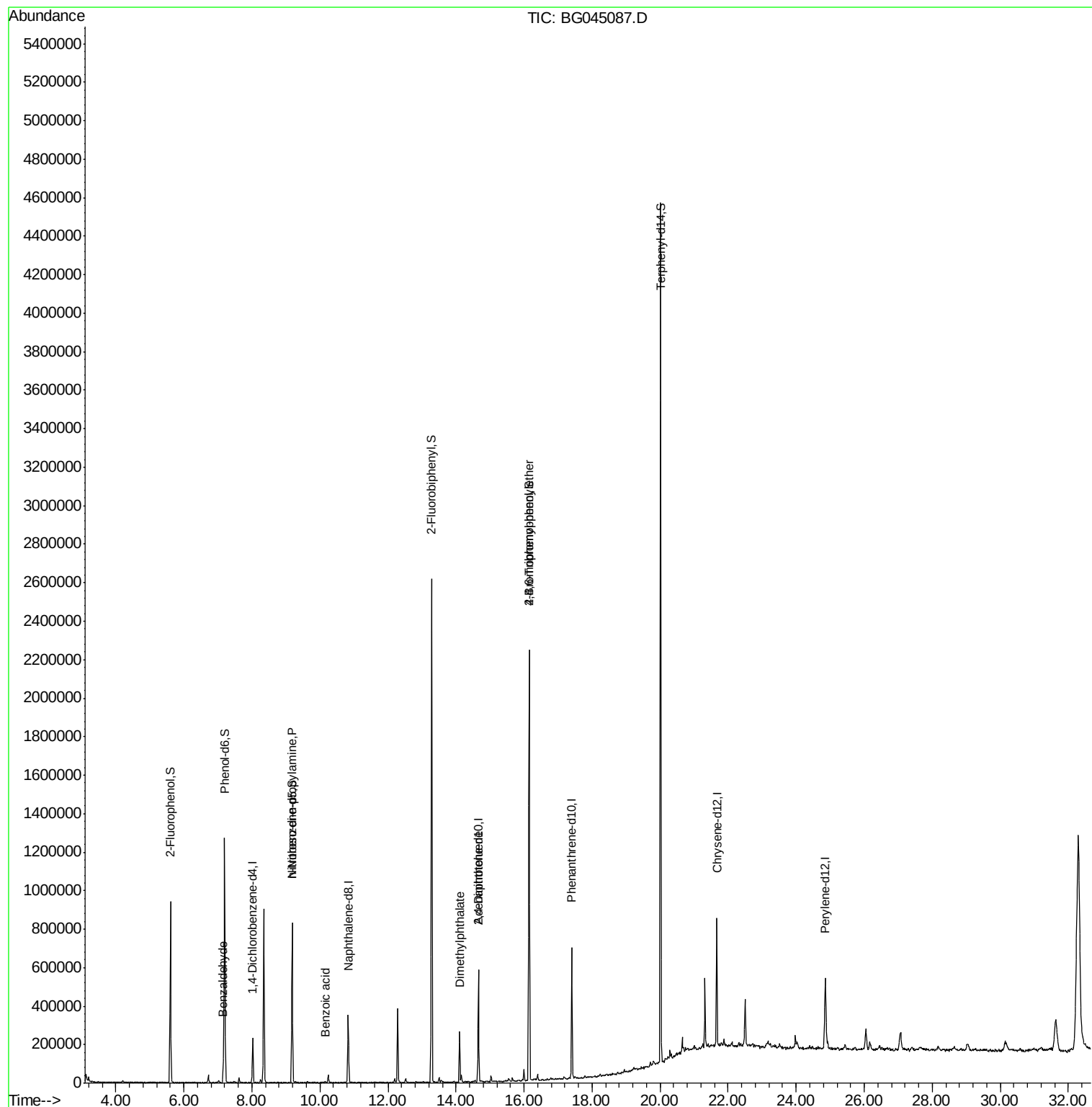
Target Compounds				Qvalue		
9) Benzaldehyde	7.16	77	44518	7.578	ng	91
19) n-Nitroso-di-n-propylamine	9.18	70	75766	17.602	ng	# 84
32) Benzoic acid	10.15	122	76	6.392	ng	# 71
50) Dimethylphthalate	14.11	163	183247	10.557	ng	99
57) 2,4-Dinitrotoluene	14.66	165	27049	4.767	ng	# 22
67) 4-Bromophenyl-phenylether	16.15	248	31832	5.379	ng	# 1
69) Atrazine	16.85	200	55	Below Cal	#	35
74) Di-n-butylphthalate	18.38	149	2580	Below Cal	#	84
75) Fluoranthene	19.46	202	7150	Below Cal		94
77) Benzidine	20.01	184	41131	Below Cal	#	91

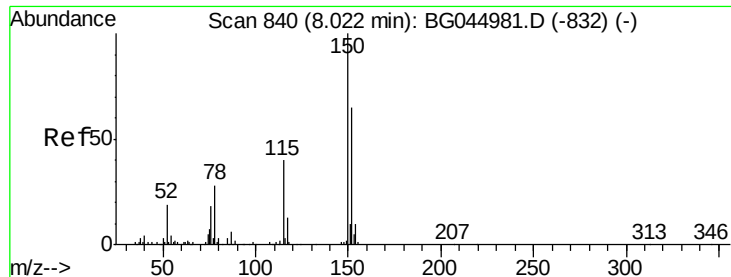
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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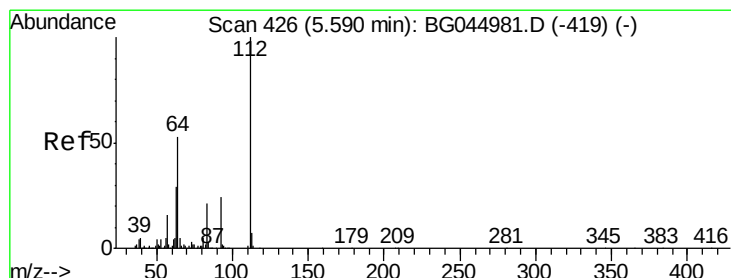
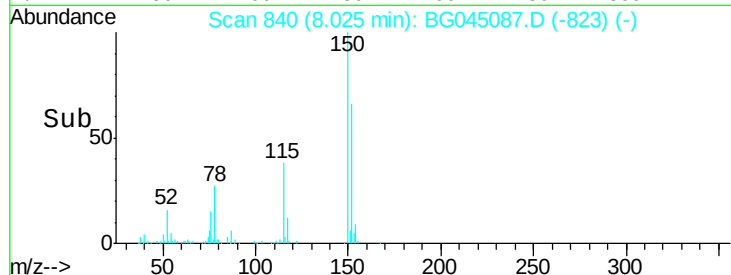
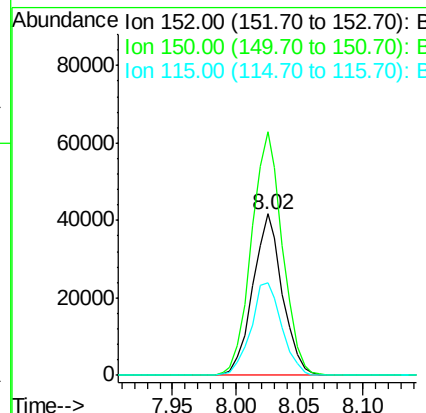
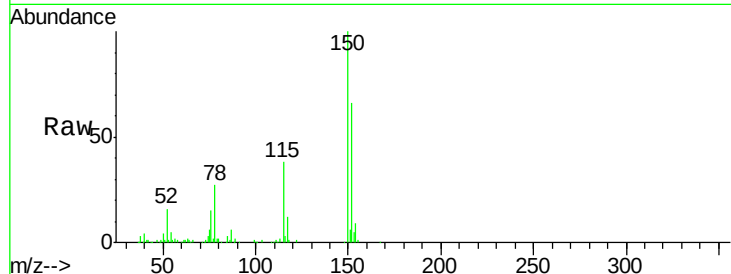


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045087.D
Acq: 19 Apr 2020 4:20

Instrument :
BNA_G
ClientSampled :
BG-3

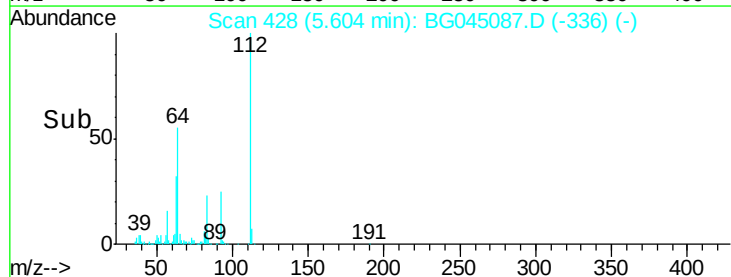
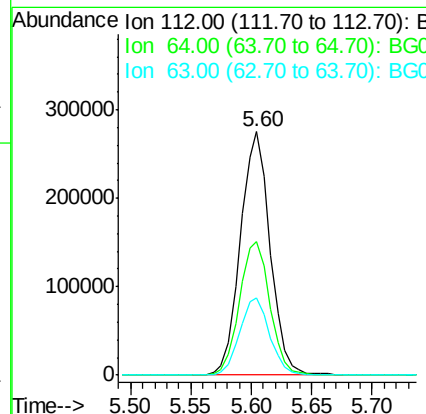
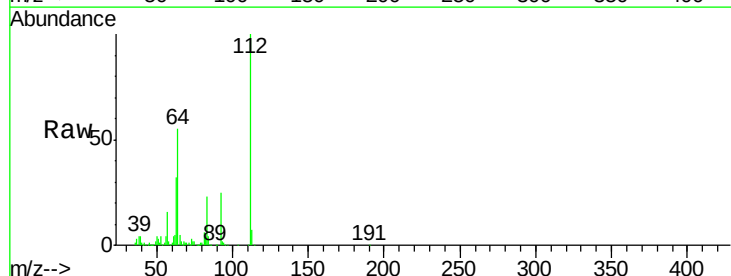
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	123.6	185.4
115	57.4	49.1	73.7

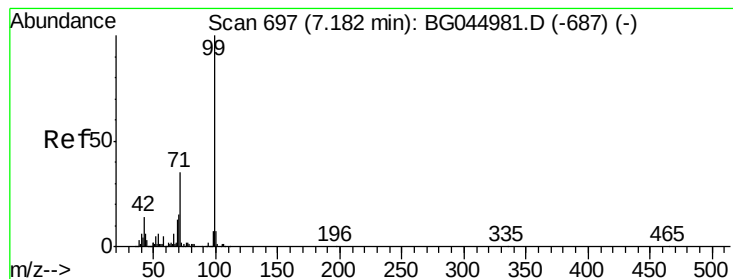


#5

2-Fluorophenol
Concen: 115.129 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG045087.D
Acq: 19 Apr 2020 4:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	42.4	63.6
63	31.5	23.1	34.7





#7

Phenol-d6

Concen: 139.355 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

Instrument :

BNA_G

ClientSampleId :

BG-3

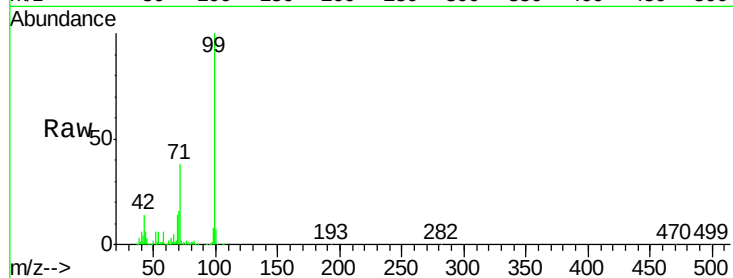
Tot Ion: 99 Resp: 848166

Ion Ratio Lower Upper

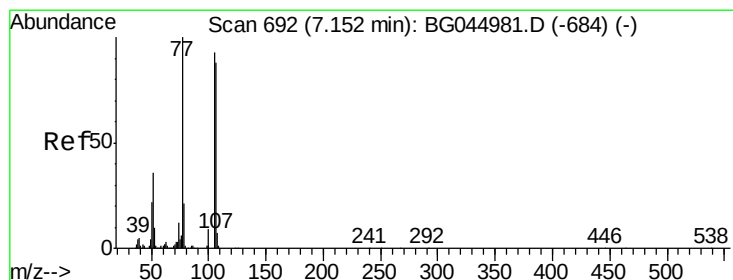
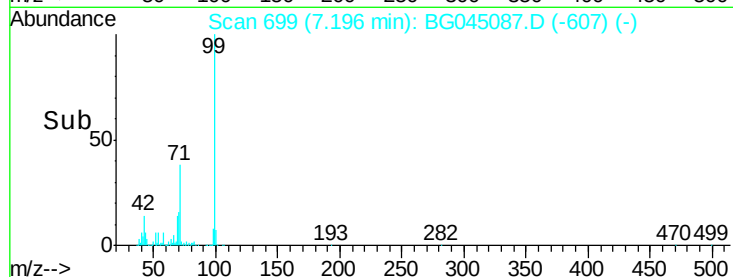
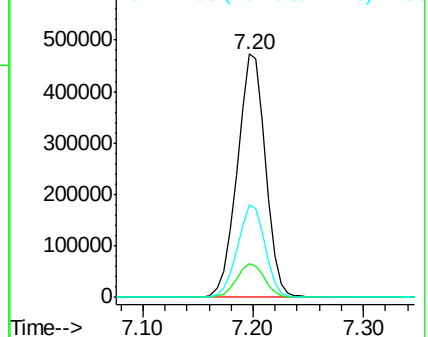
99 100

42 13.6 11.3 16.9

71 38.3 28.3 42.5



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: 7.578 ng

RT: 7.16 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

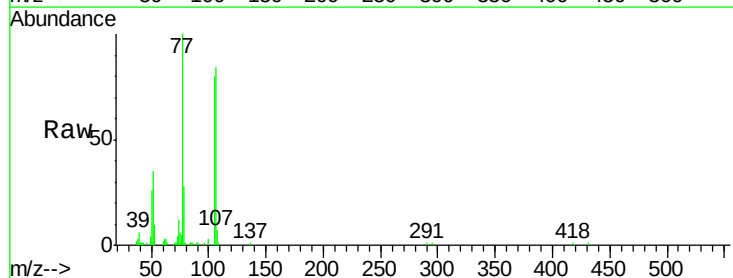
Tgt Ion: 77 Resp: 44518

Ion Ratio Lower Upper

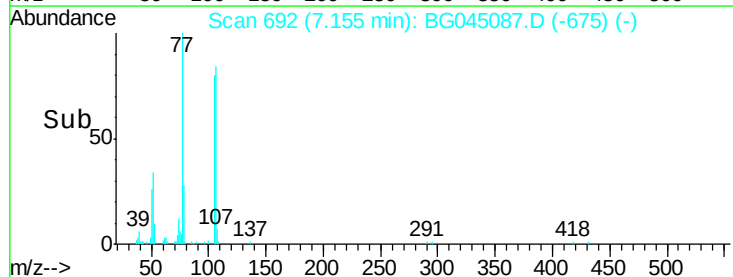
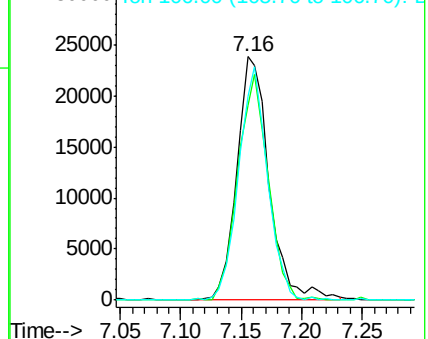
77 100

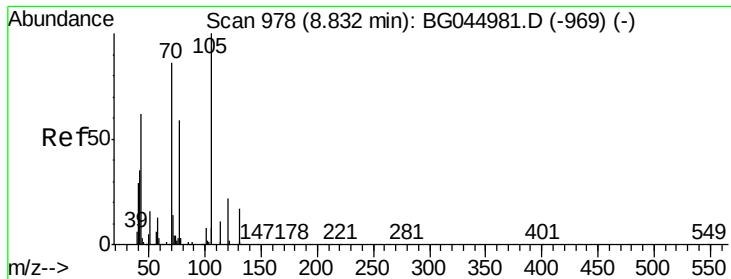
105 80.2 72.9 112.9

106 83.9 67.6 107.6



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

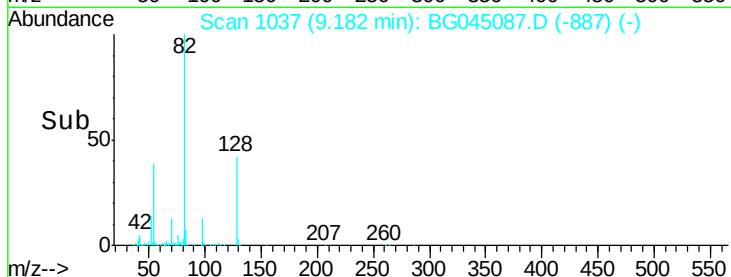
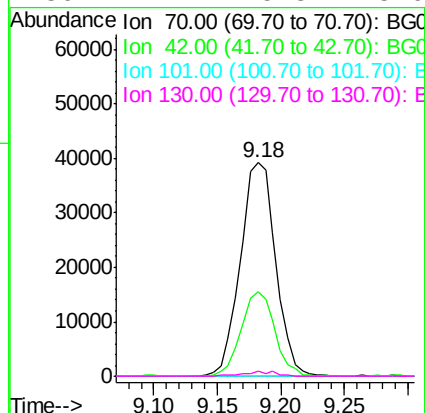
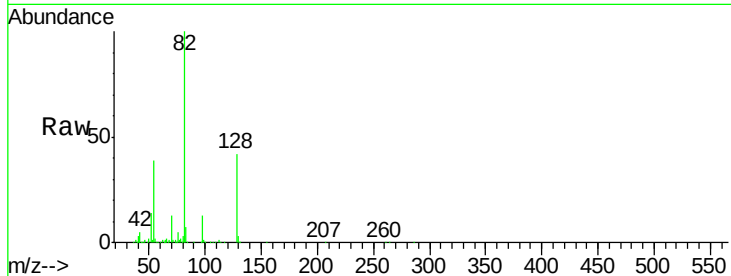




#19
n-Nitroso-di-n-propylamine
Concen: 17.602 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG045087.D
Acq: 19 Apr 2020 4:20

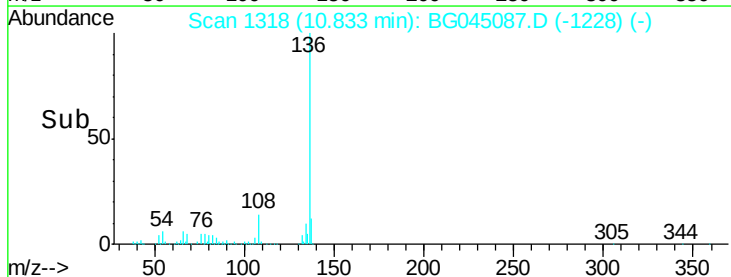
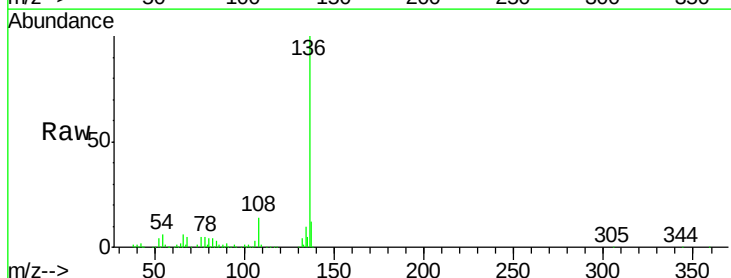
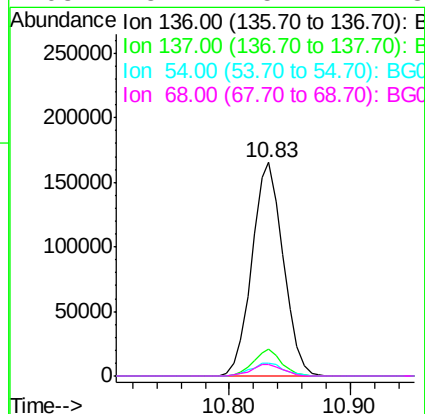
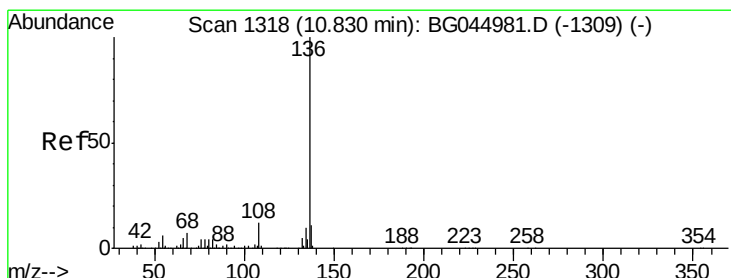
Instrument :
BNA_G
ClientSampleId :
BG-3

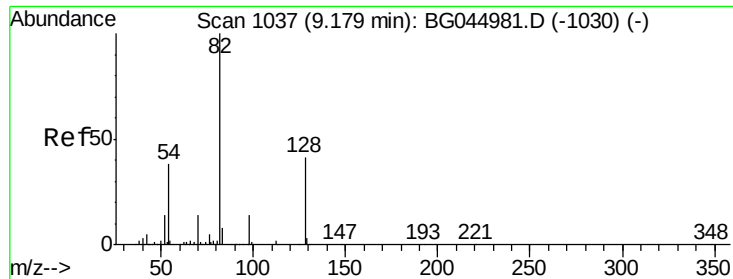
Tot Ion:	70	Resp:	75766
Ion Ratio	Lower	Upper	
70	100		
42	39.4	33.3	49.9
101	0.0	7.8	11.8#
130	2.1	15.8	23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045087.D
Acq: 19 Apr 2020 4:20

Tgt Ion:	136	Resp:	298623
Ion Ratio	Lower	Upper	
136	100		
137	12.5	8.6	13.0
54	6.0	4.8	7.2
68	5.2	5.2	7.8#

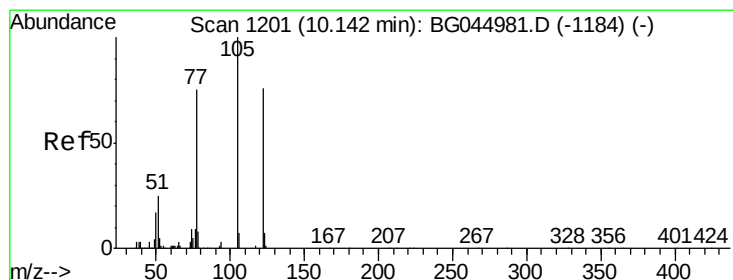
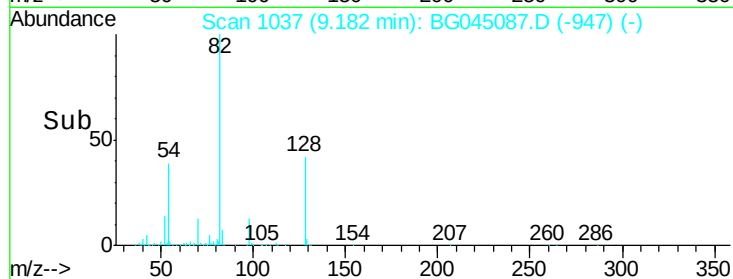
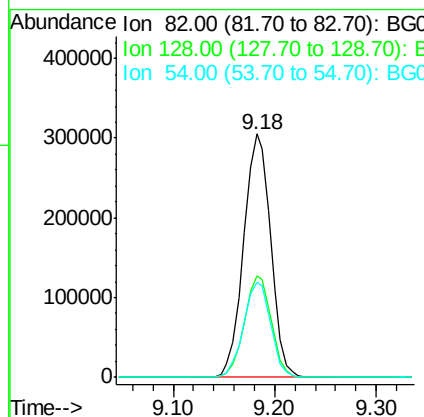
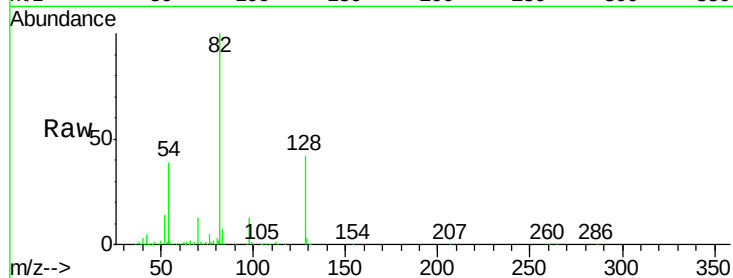




#23
 Nitrobenzene-d5
 Concen: 85.921 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG045087.D
 Acq: 19 Apr 2020 4:20

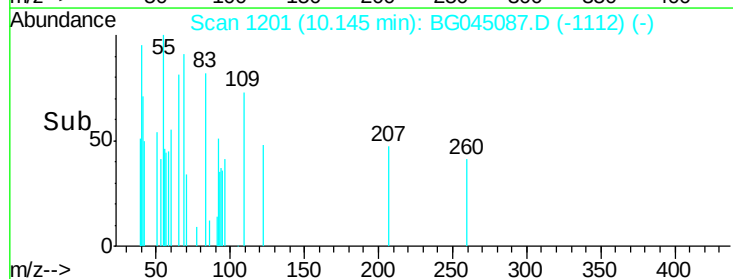
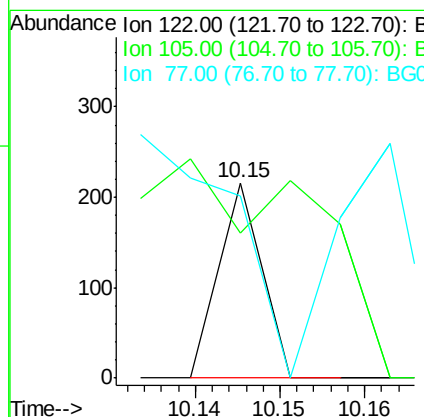
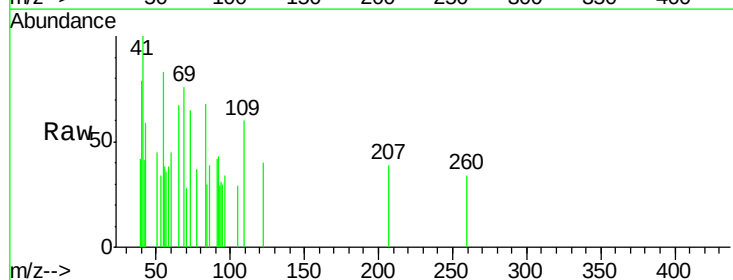
Instrument :
 BNA_G
 ClientSampled :
 BG-3

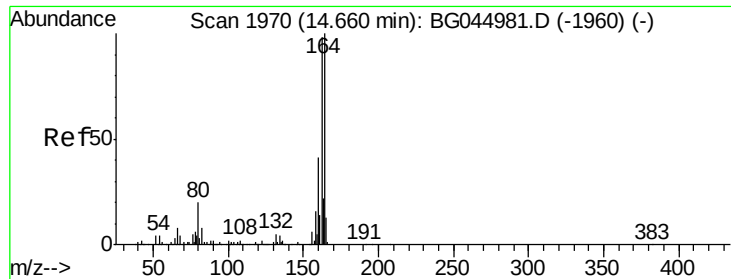
Tot Ion	82	Resp	562318
Ion Ratio	Lower	Upper	
82	100		
128	41.7	33.0	49.4
54	38.9	30.4	45.6



#32
 Benzoic acid
 Concen: 6.392 ng
 RT: 10.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BG045087.D
 Acq: 19 Apr 2020 4:20

Tgt Ion	122	Resp	76
Ion Ratio	Lower	Upper	
122	100		
105	74.1	108.4	148.4#
77	93.5	78.8	118.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

Instrument :

BNA_G

ClientSampleId :

BG-3

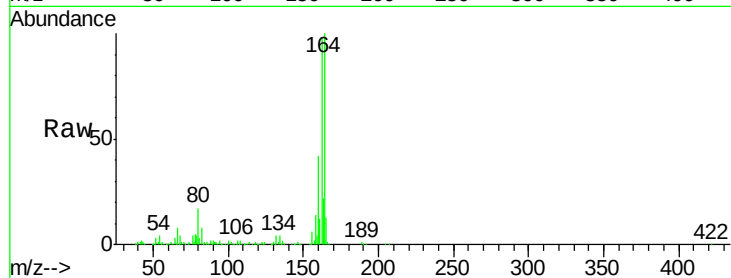
Tot Ion:164 Resp: 213175

Ion Ratio Lower Upper

164 100

162 98.4 78.7 118.1

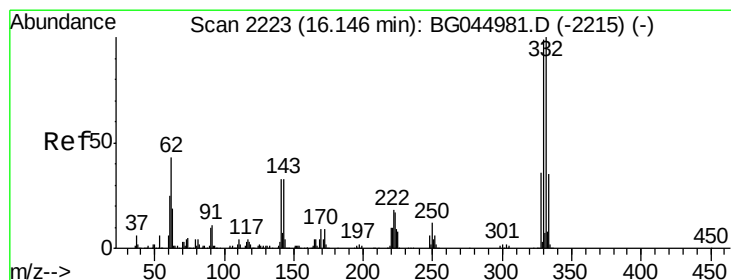
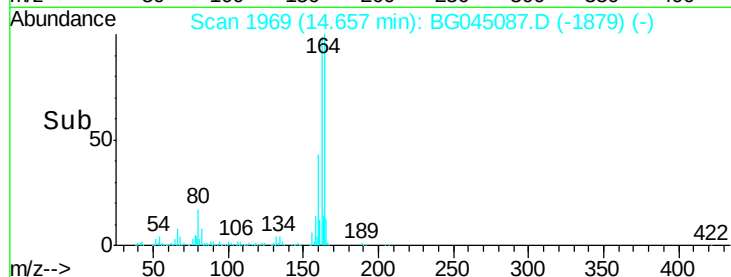
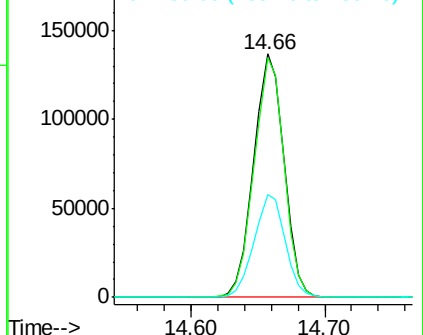
160 42.3 32.8 49.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 142.078 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.01 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

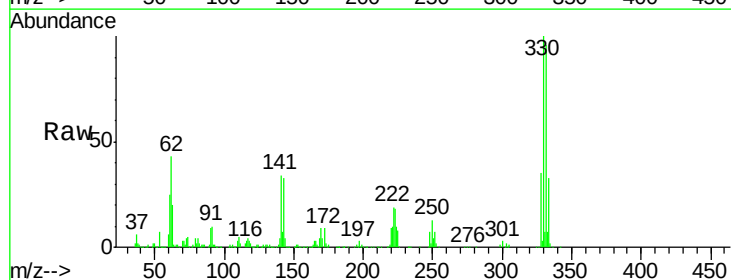
Tgt Ion:330 Resp: 467902

Ion Ratio Lower Upper

330 100

332 96.3 79.1 118.7

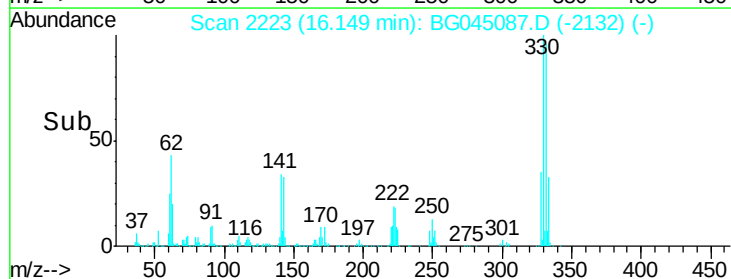
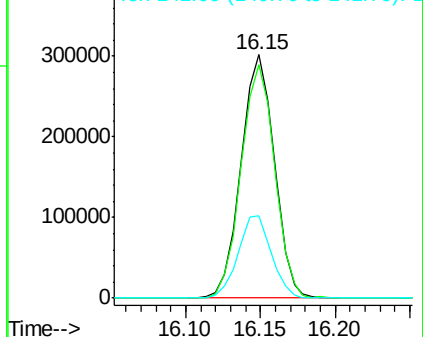
141 34.0 27.1 40.7

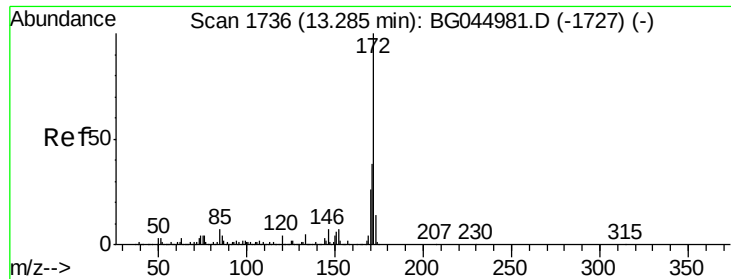


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

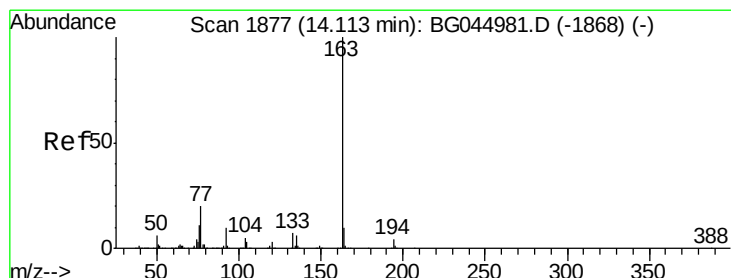
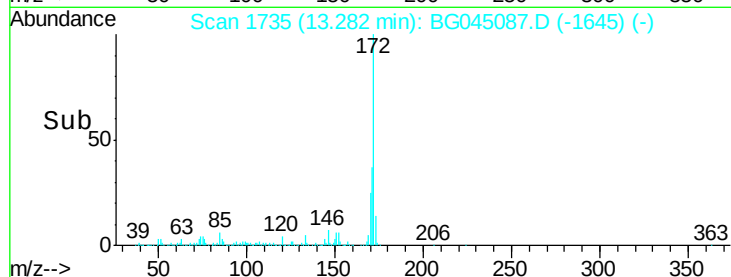
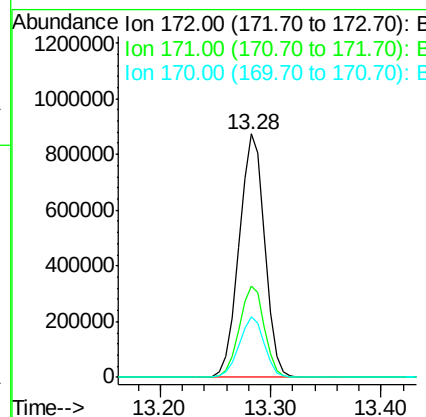
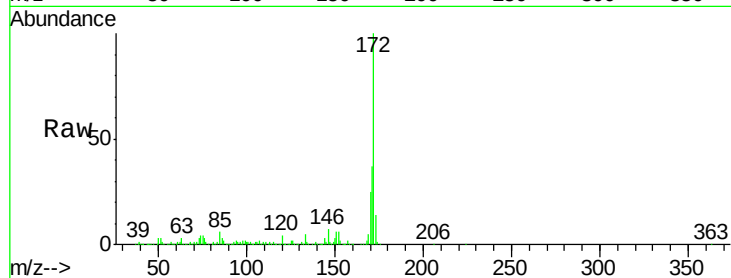




#45
2-Fluorobiphenyl
Concen: 97.389 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045087.D
Acq: 19 Apr 2020 4:20

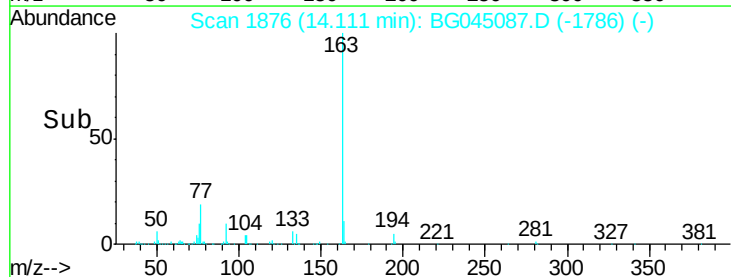
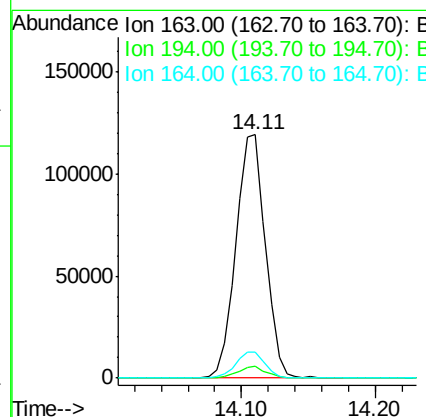
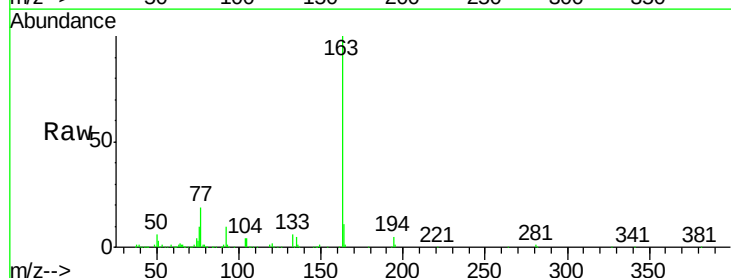
Instrument :
BNA_G
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BG-3

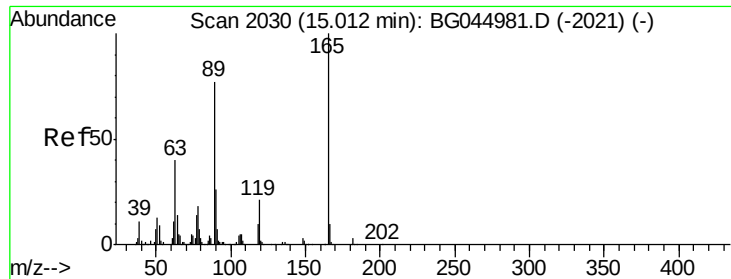
Tot Ion:172 Resp: 1415845
Ion Ratio Lower Upper
172 100
171 37.3 30.6 46.0
170 25.1 20.5 30.7



#50
Dimethylphthalate
Concen: 10.557 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG045087.D
Acq: 19 Apr 2020 4:20

Tgt Ion:163 Resp: 183247
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 10.9 8.2 12.4

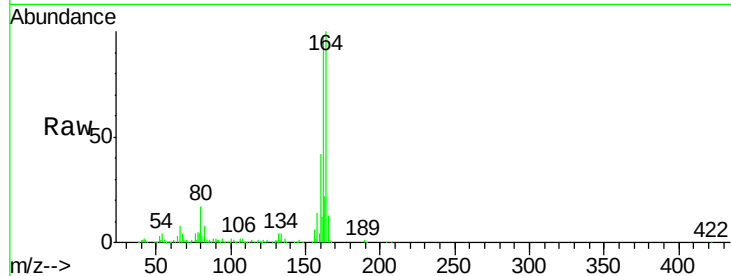




#57
 2,4-Dinitrotoluene
 Concen: 4.767 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.35 min
 Lab File: BG045087.D
 Acq: 19 Apr 2020 4:20

Instrument :
 BNA_G
 ClientSampled :
 BG-3

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.2	48.2#
89	1.4	61.7	92.5#
182	0.0	2.0	3.0#

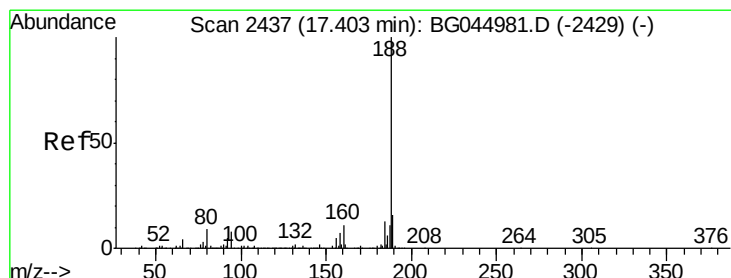
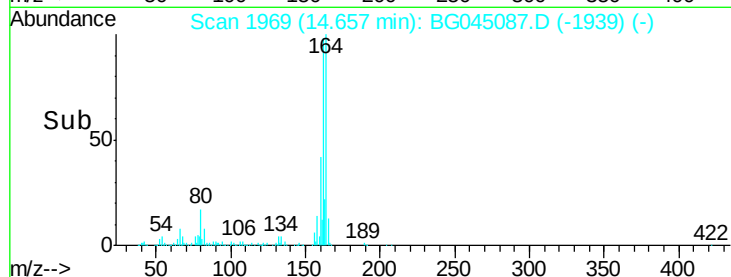
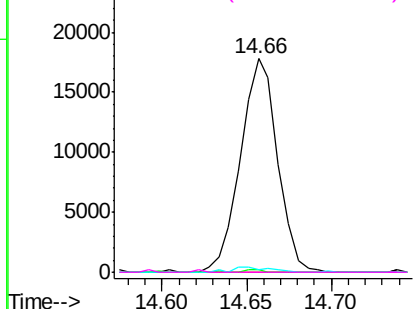


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

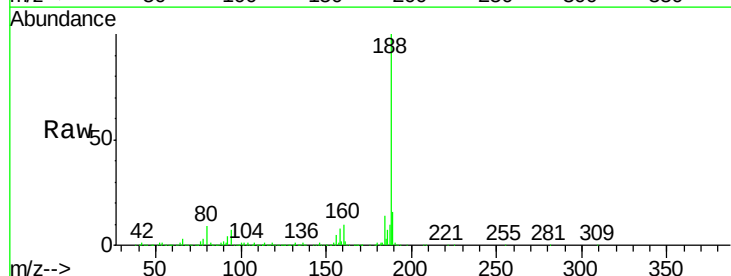
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BG045087.D
 Acq: 19 Apr 2020 4:20

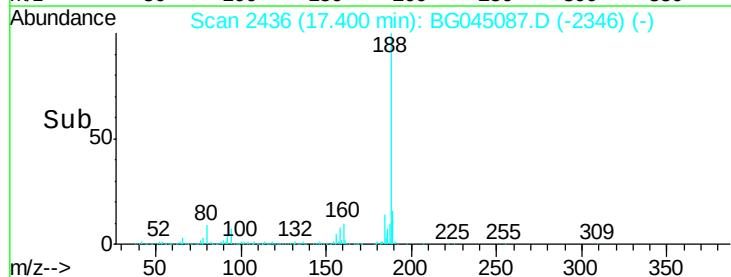
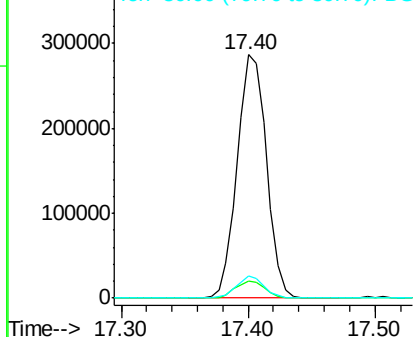
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.2	9.4
80	8.9	7.0	10.6

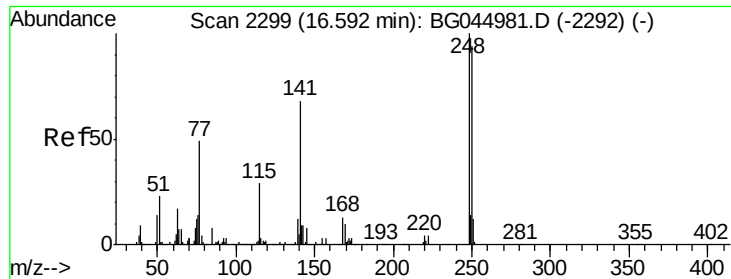


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

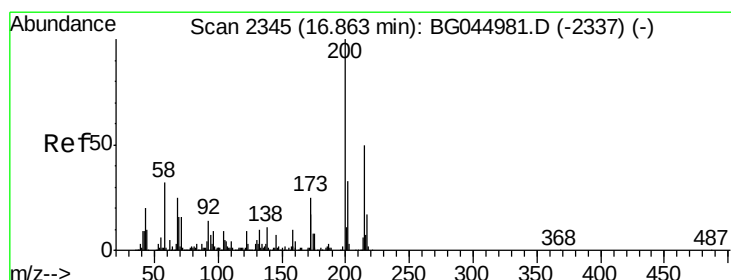
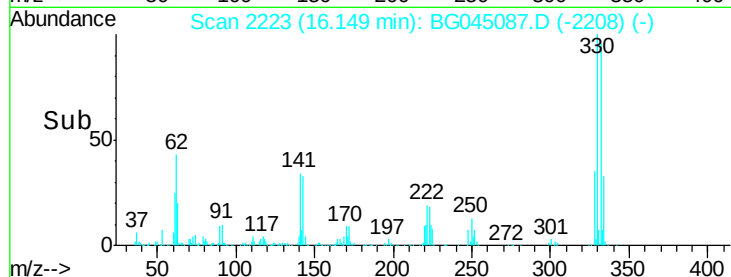
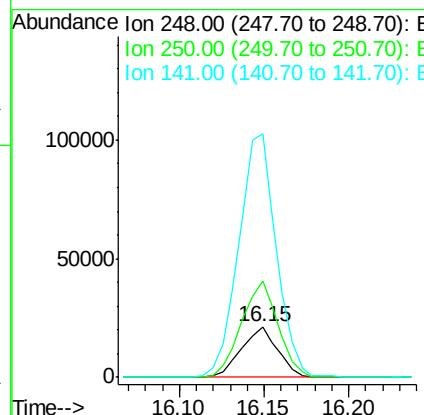
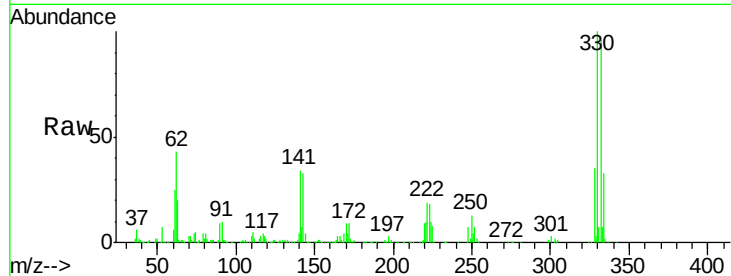




#67
4-Bromophenyl-phenylether
Concen: 5.379 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.44 min
Lab File: BG045087.D
Acq: 19 Apr 2020 4:20

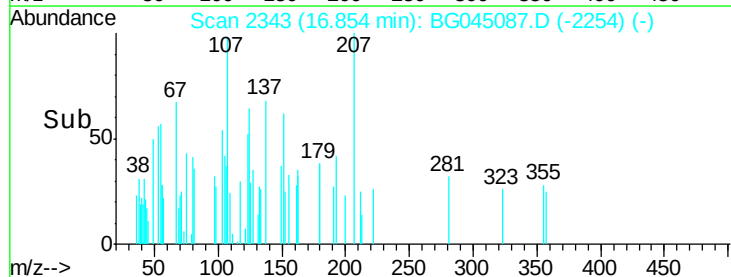
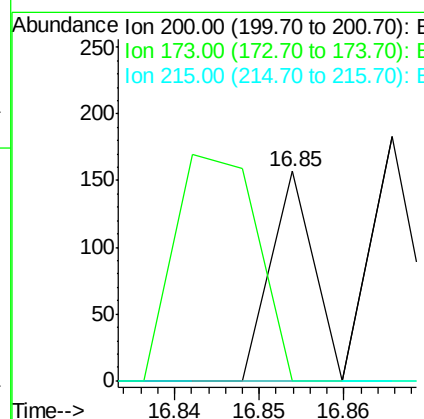
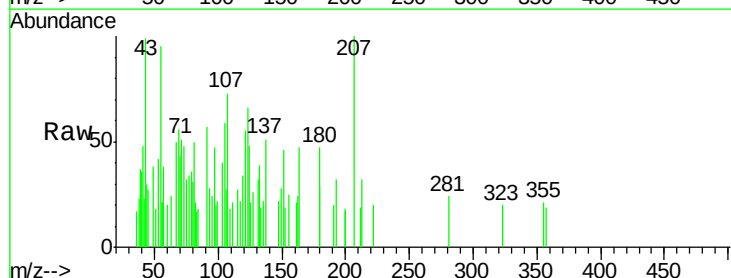
Instrument :
BNA_G
ClientSampled :
BG-3

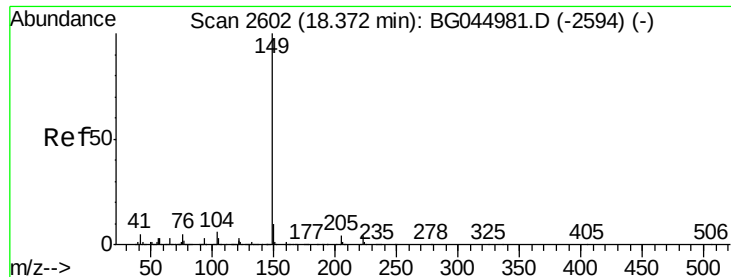
Tot Ion:248 Resp: 31832
Ion Ratio Lower Upper
248 100
250 190.0 75.4 113.2#
141 482.1 54.4 81.6#



#69
Atrazine
Concen: Below Cal
RT: 16.85 min Scan# 2343
Delta R.T. -0.01 min
Lab File: BG045087.D
Acq: 19 Apr 2020 4:20

Tgt Ion:200 Resp: 55
Ion Ratio Lower Upper
200 100
173 0.0 4.5 44.5#
215 0.0 30.0 70.0#





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.38 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

Instrument :

BNA_G

ClientSampleId :

BG-3

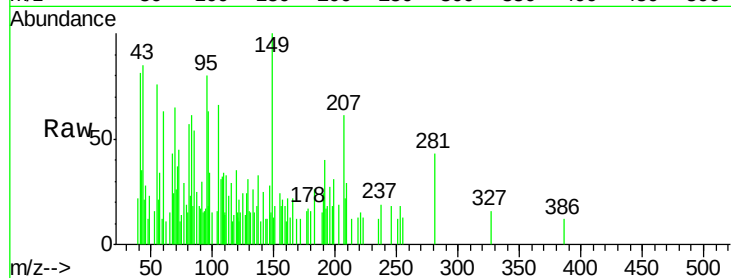
Tot Ion:149 Resp: 2580

Ion Ratio Lower Upper

149 100

150 12.7 8.2 12.2#

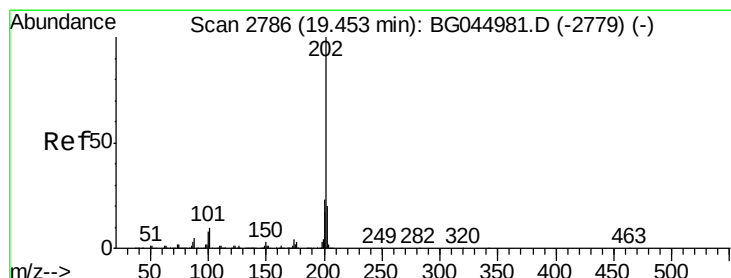
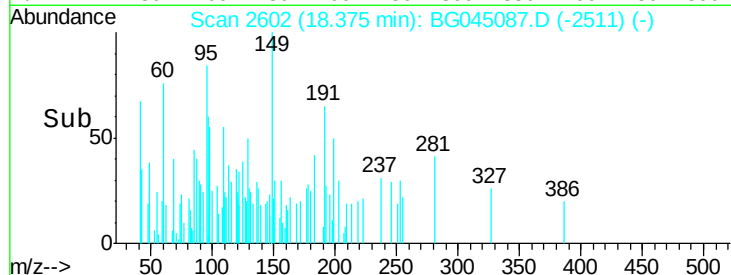
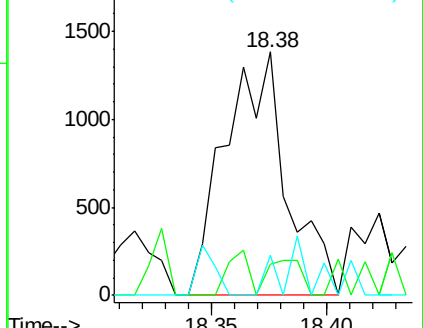
104 16.4 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: Below Cal

RT: 19.46 min Scan# 2786

Delta R.T. 0.01 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

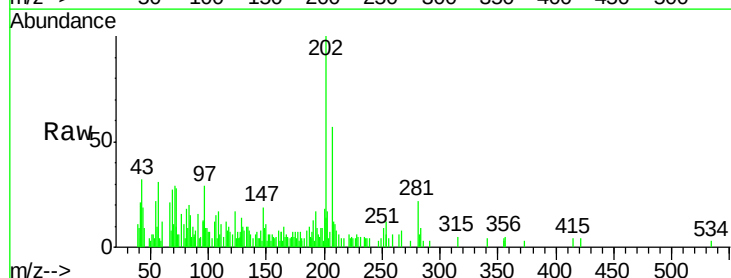
Tgt Ion:202 Resp: 7150

Ion Ratio Lower Upper

202 100

101 7.0 0.0 29.6

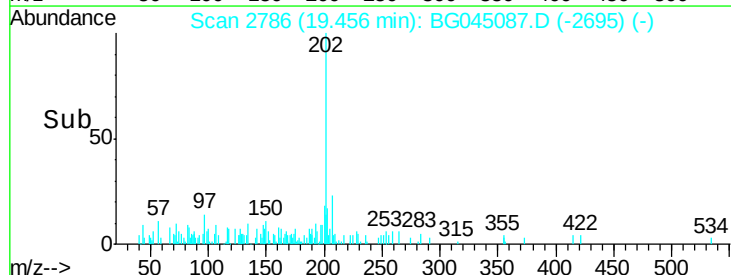
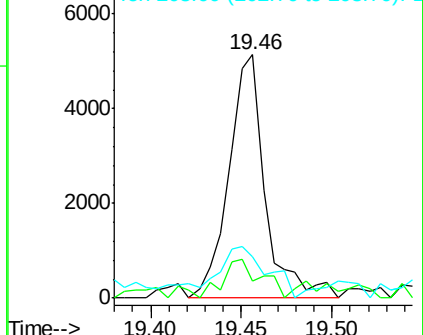
203 17.3 0.0 39.7

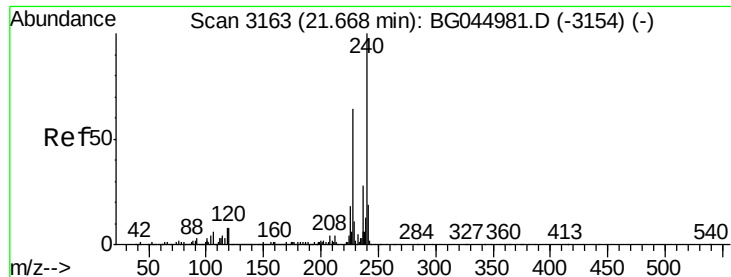


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

Instrument :

BNA_G

ClientSampleId :

BG-3

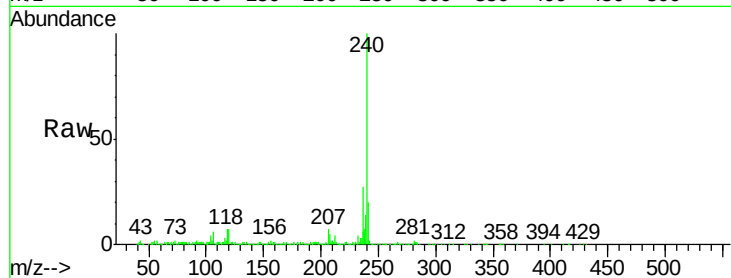
Tot Ion:240 Resp: 411400

Ion Ratio Lower Upper

240 100

120 6.7 6.6 10.0

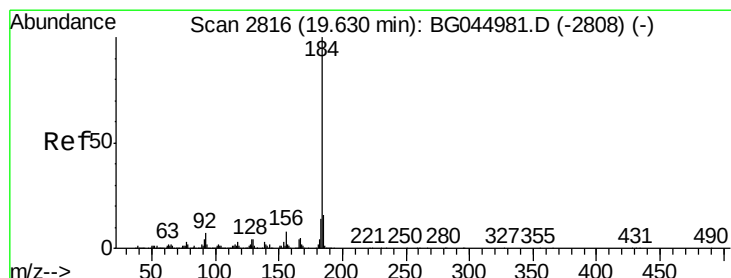
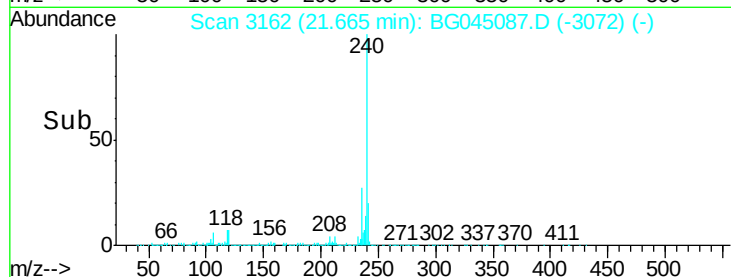
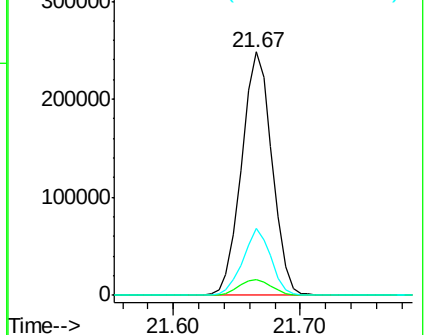
236 27.3 22.2 33.2



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: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

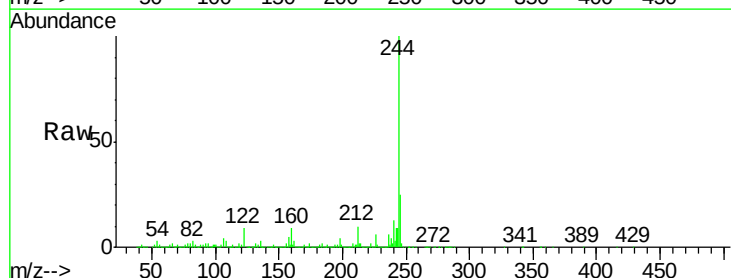
Tgt Ion:184 Resp: 41131

Ion Ratio Lower Upper

184 100

185 18.4 12.6 19.0

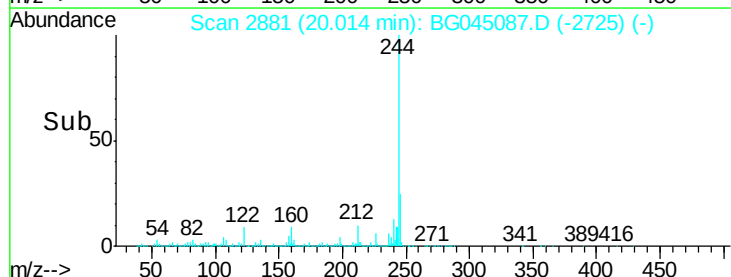
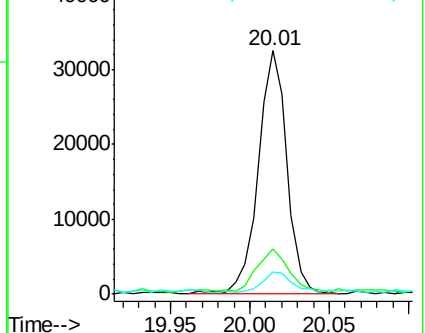
183 9.0 11.3 16.9#

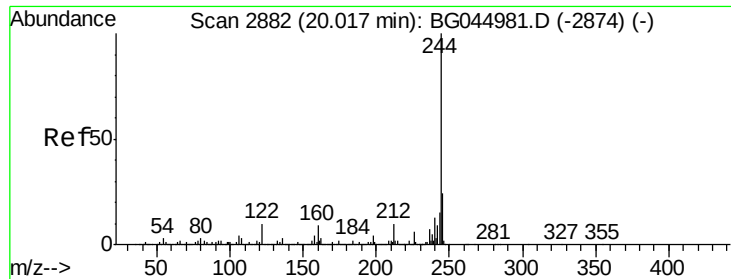


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 108.519 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

Instrument :

BNA_G

ClientSampleId :

BG-3

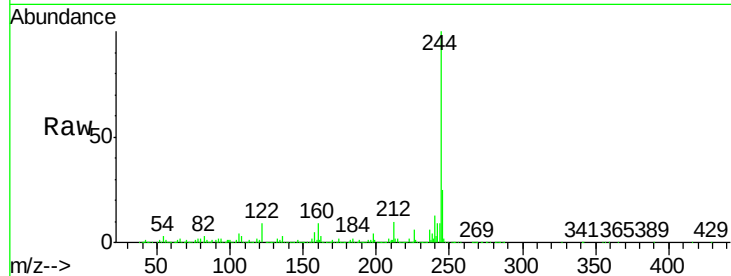
Tot Ion:244 Resp: 2048326

Ion Ratio Lower Upper

244 100

212 10.1 7.9 11.9

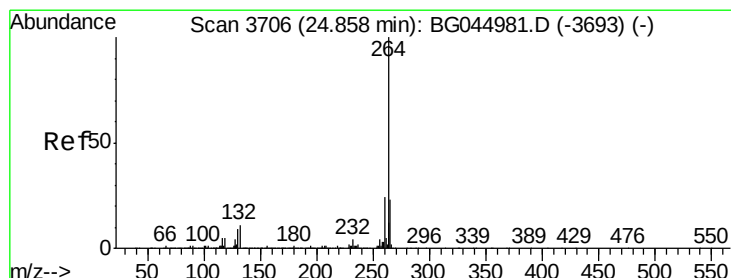
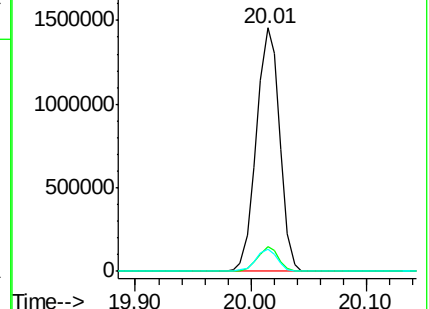
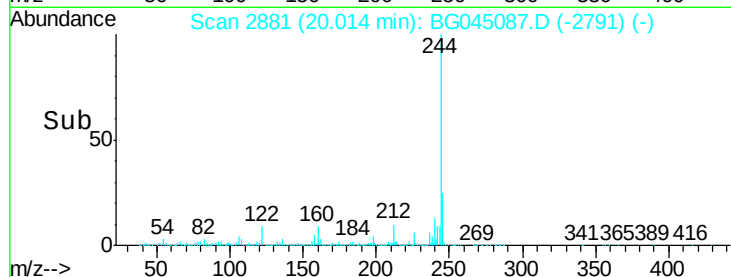
122 9.1 7.7 11.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3706

Delta R.T. 0.01 min

Lab File: BG045087.D

Acq: 19 Apr 2020 4:20

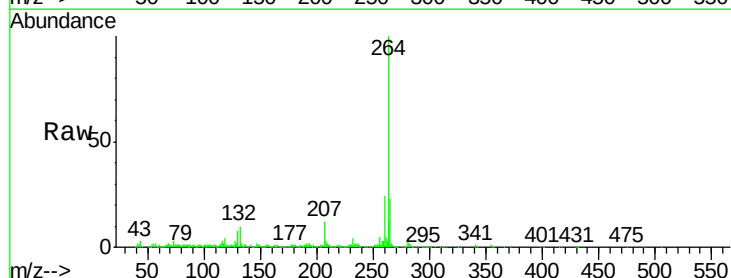
Tgt Ion:264 Resp: 437031

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 23.1 19.0 28.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

