

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045368.D
 Acq On : 13 May 2020 19:14
 Operator : CG/JU
 Sample : L2594-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 14 00:56:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 11:40:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	77211	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	327300	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	217407	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	439831	20.00	ng	0.00
76) Chrysene-d12	21.63	240	364086	20.00	ng	0.00
87) Perylene-d12	24.80	264	408420	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	379508	81.15	ng	0.00
7) Phenol-d6	7.15	99	589538	84.84	ng	0.00
23) Nitrobenzene-d5	9.13	82	402640	56.13	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	258084	76.84	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	936211	63.14	ng	0.00
79) Terphenyl-d14	19.98	244	1146592	68.64	ng	0.00

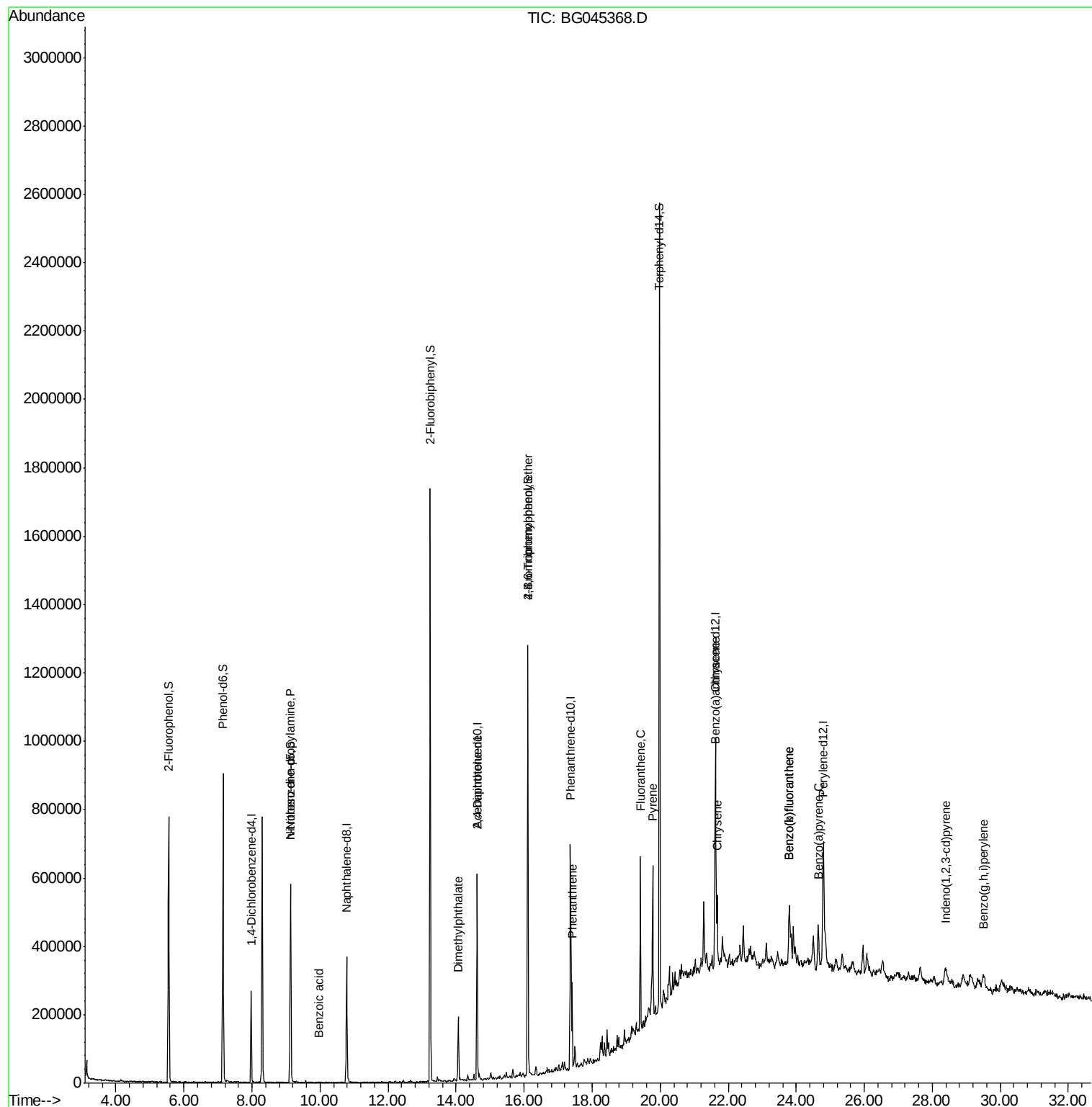
Target Compounds				Qvalue		
9) Benzaldehyde	7.08	77	63	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	54708	11.133	ng	80
32) Benzoic acid	9.98	122	55	6.386	ng	1
50) Dimethylphthalate	14.07	163	128204	7.242	ng	99
57) 2,4-Dinitrotoluene	14.62	165	30225	5.223	ng	24
67) 4-Bromophenyl-phenylether	16.11	248	17237	3.038	ng	1
69) Atrazine	16.84	200	74	Below Cal	#	1
71) Phenanthrene	17.41	178	165092	7.304	ng	96
74) Di-n-butylphthalate	18.33	149	4290	Below Cal	#	86
75) Fluoranthene	19.42	202	319421	6.784	ng	97
77) Benzidine	19.47	184	943	Below Cal	#	1
78) Pyrene	19.78	202	300461	11.970	ng	97
81) Benzo(a)anthracene	21.61	228	159616	6.764	ng	98
83) Chrysene	21.68	228	153088	6.752	ng	97
86) Indeno(1,2,3-cd)pyrene	28.40	276	98679	3.278	ng	72
88) Benzo(b)fluoranthene	23.80	252	207164	8.098	ng	95
89) Benzo(k)fluoranthene	23.80	252	207164	8.515	ng	95
90) Benzo(a)pyrene	24.65	252	154011	6.376	ng	99
92) Benzo(a,h,i)perylene	29.51	276	92586	3.794	ng	94

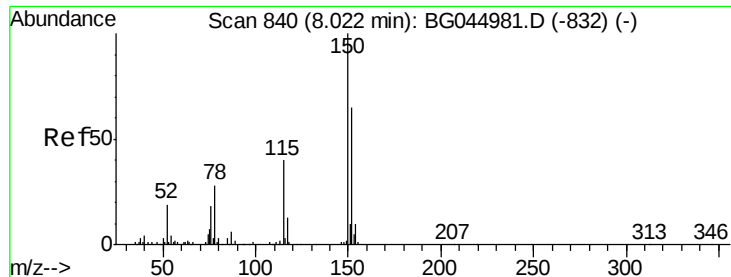
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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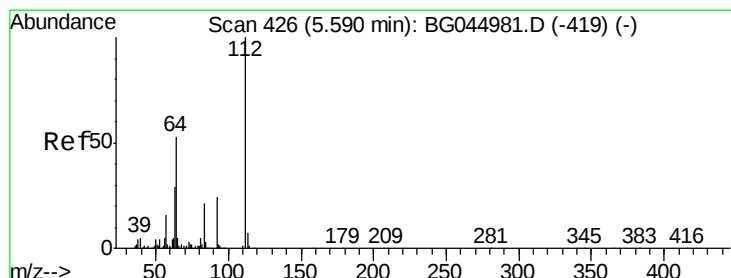
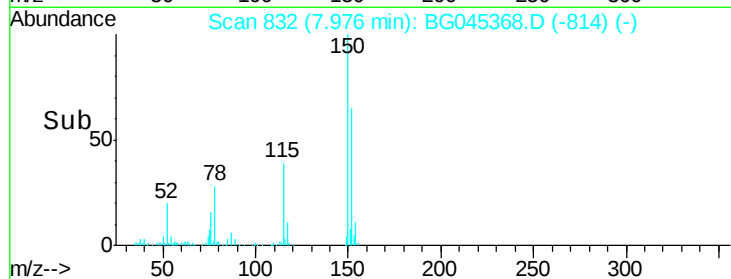
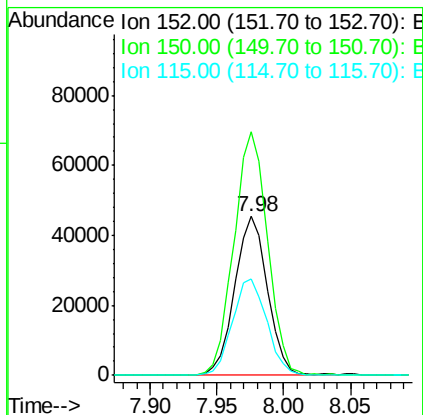
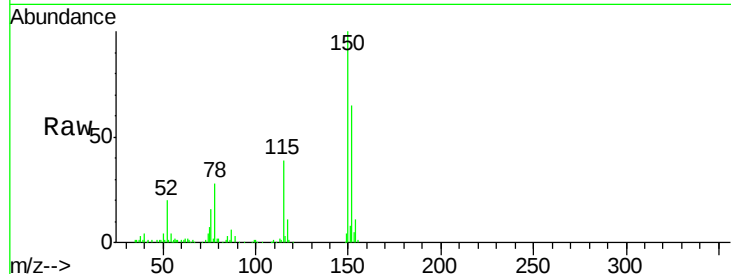


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. 0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Instrument :
BNA_G
ClientSampleId :

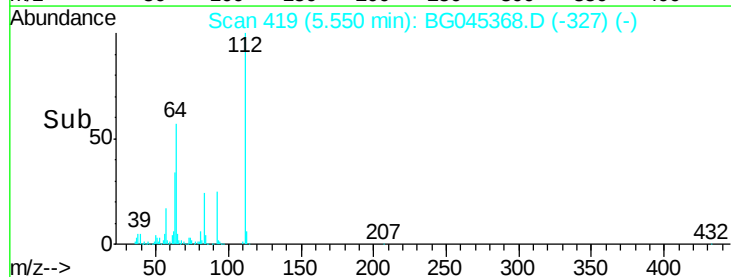
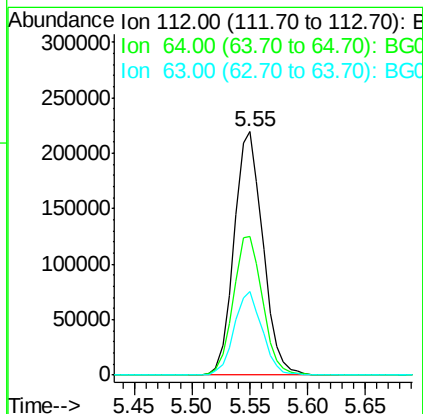
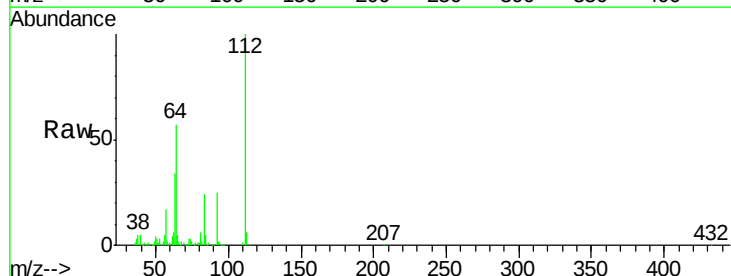
Tot Ion:152 Resp: 77211
Ion Ratio Lower Upper
152 100
150 153.4 123.6 185.4
115 60.5 49.1 73.7

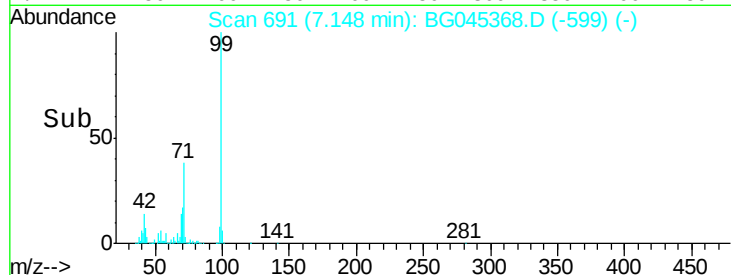
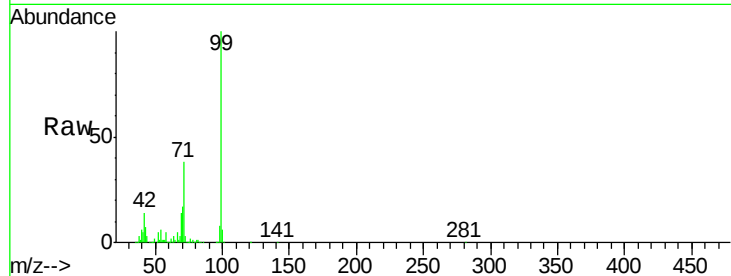
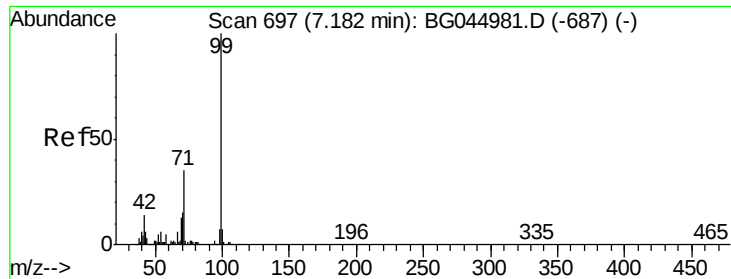


#5

2-Fluorophenol
Concen: 81.147 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Tgt Ion:112 Resp: 379508
Ion Ratio Lower Upper
112 100
64 56.9 42.4 63.6
63 34.1 23.1 34.7





#7

Phenol-d6

Concen: 84.844 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

Instrument :

BNA_G

ClientSampleId :

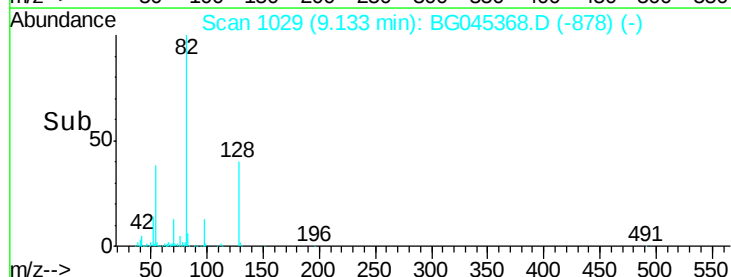
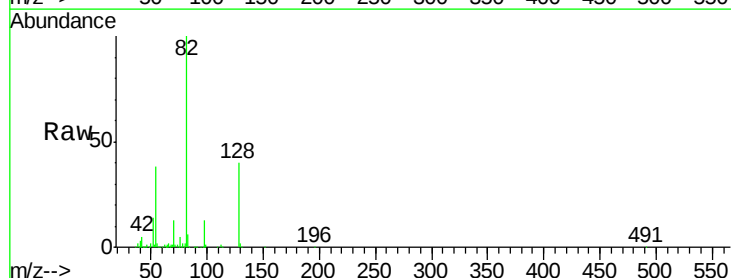
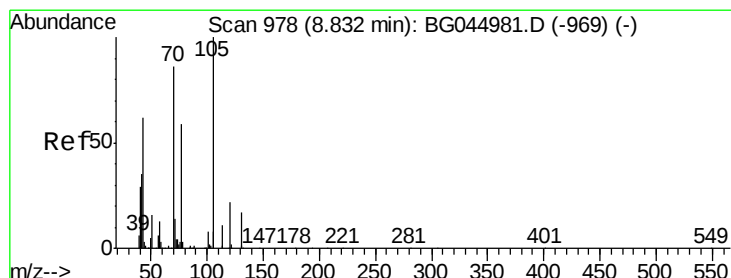
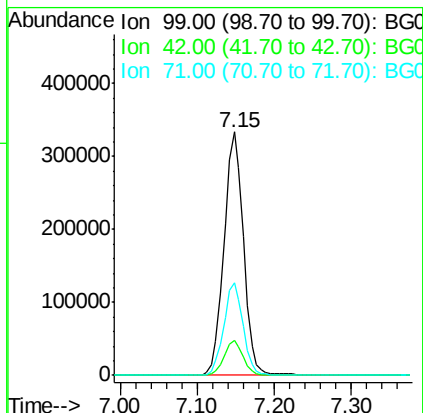
Tot Ion: 99 Resp: 589538

Ion Ratio Lower Upper

99 100

42 14.3 11.3 16.9

71 38.2 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.133 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.36 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

Tgt Ion: 70 Resp: 54708

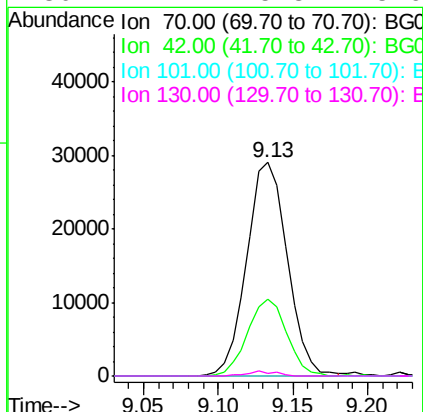
Ion Ratio Lower Upper

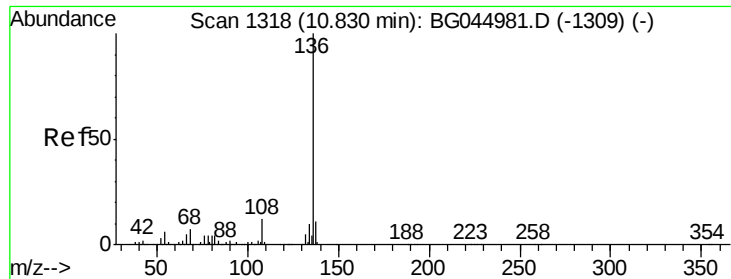
70 100

42 36.2 33.3 49.9

101 0.0 7.8 11.8#

130 1.1 15.8 23.6#

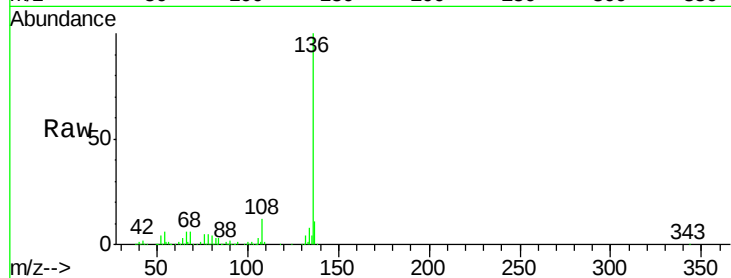




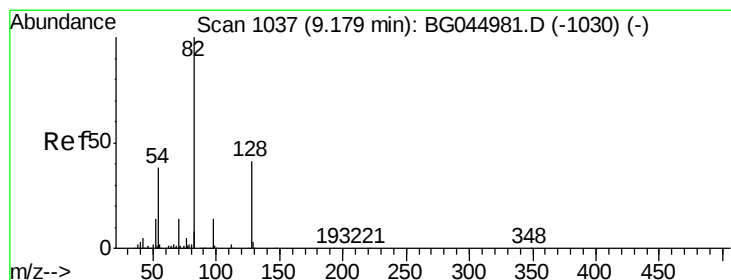
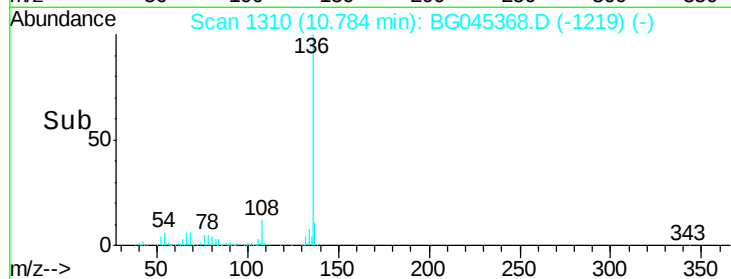
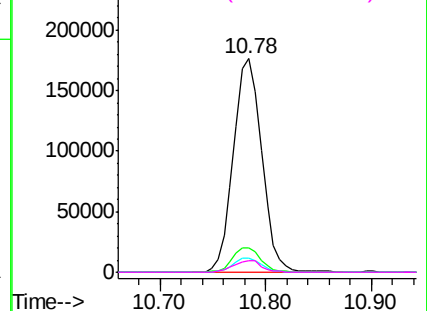
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	327300
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.6	13.0
54 6.4	4.8	7.2
68 5.7	5.2	7.8

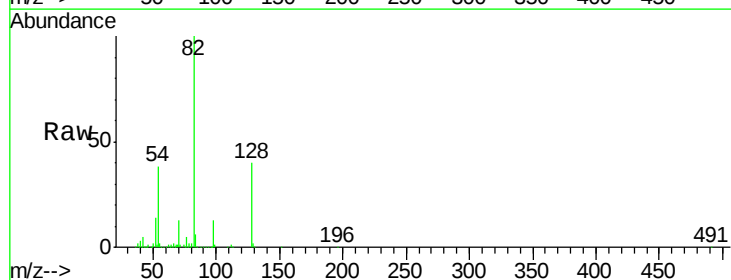


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

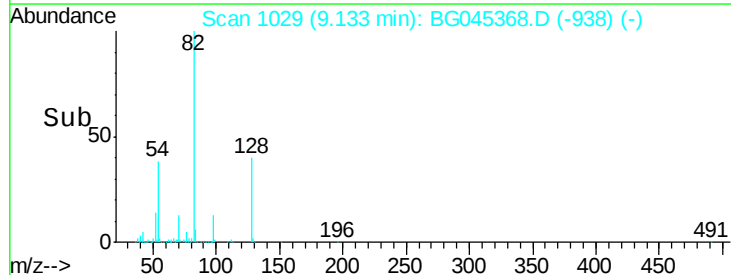
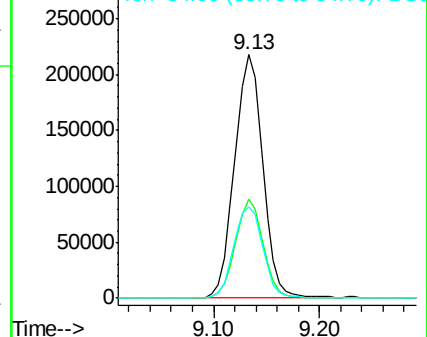


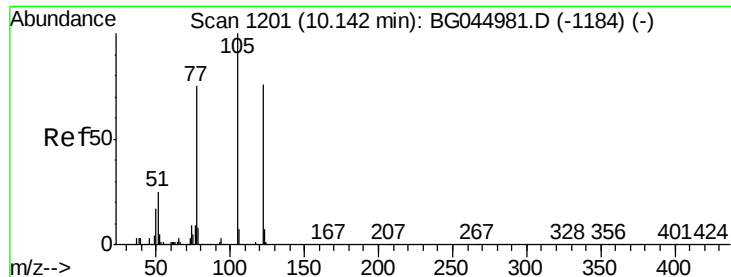
#23
Nitrobenzene-d5
Concen: 56.132 ng
RT: 9.13 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Tgt Ion	82	Resp: Lower	402640 Upper
	Ratio 100		
128	40.4	33.0	49.4
54	37.6	30.4	45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

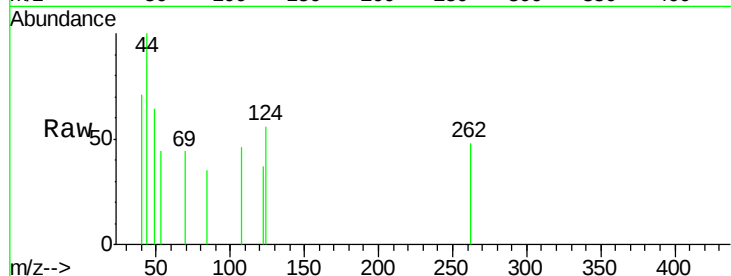




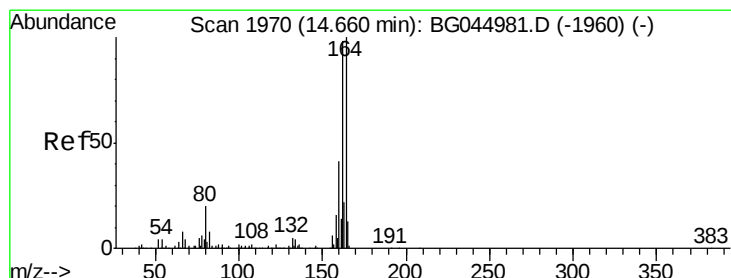
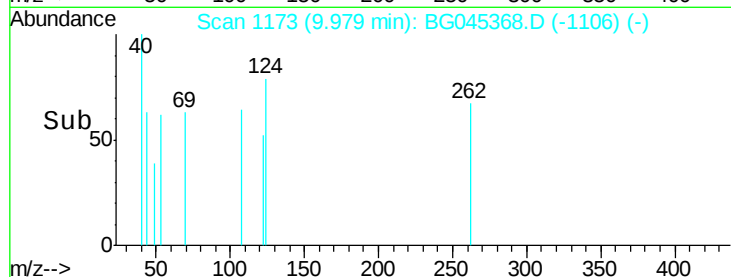
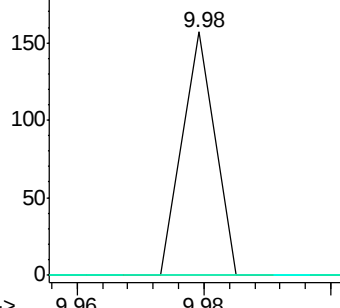
#32
Benzoic acid
Concen: 6.386 ng
RT: 9.98 min Scan# 1173
Delta R.T. -0.14 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#

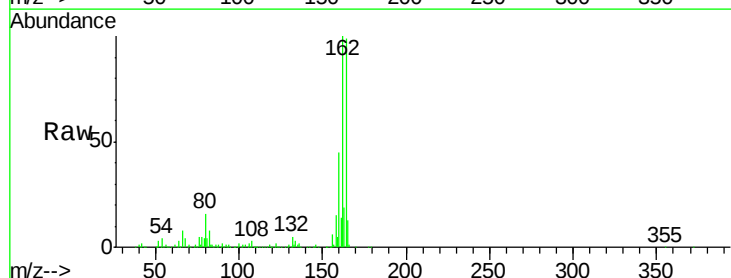


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

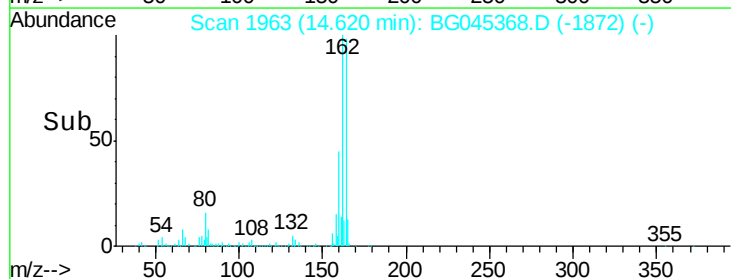
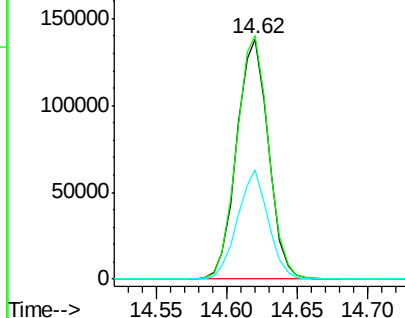


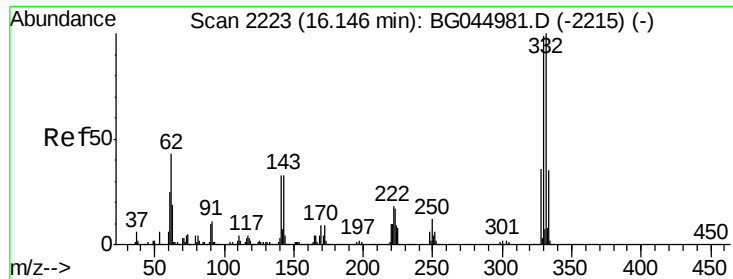
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Tgt Ion:164 Resp: 217407
Ion Ratio Lower Upper
164 100
162 101.4 78.7 118.1
160 45.5 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

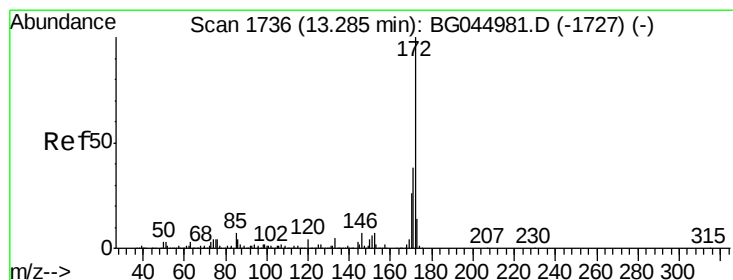
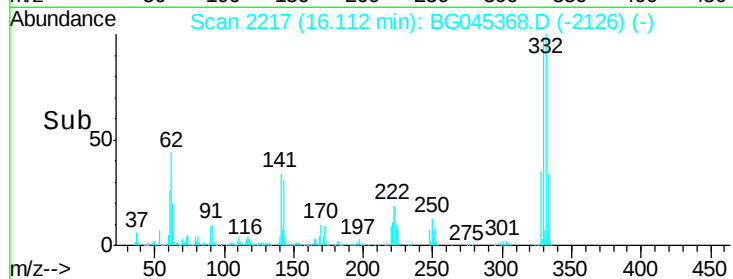
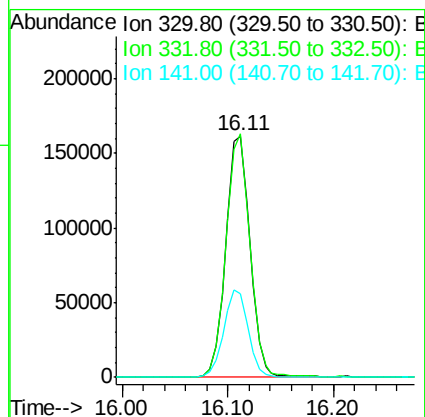
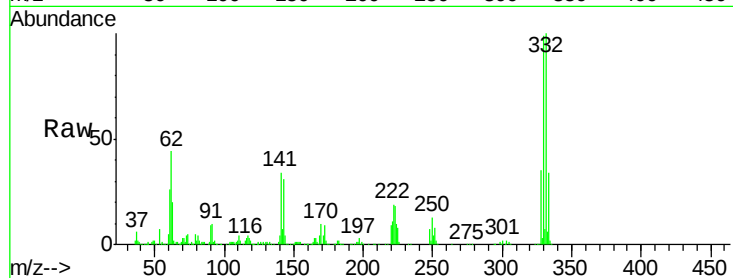




#42
 2,4,6-Tribromophenol
 Concen: 76.842 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG045368.D
 Acq: 13 May 2020 19:14

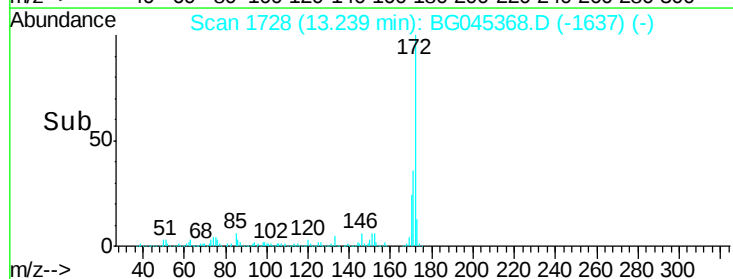
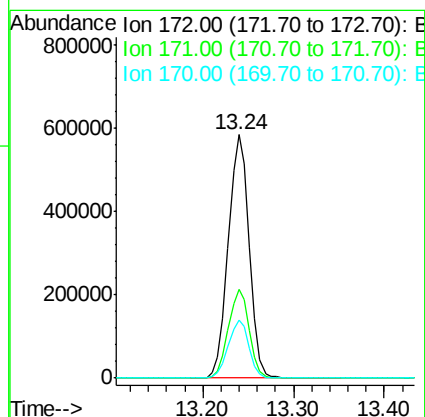
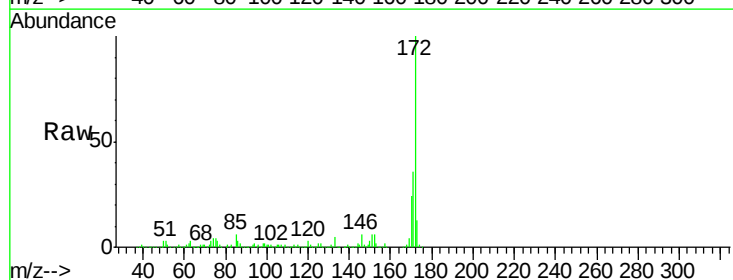
Instrument :
 BNA_G
 ClientSampleId :

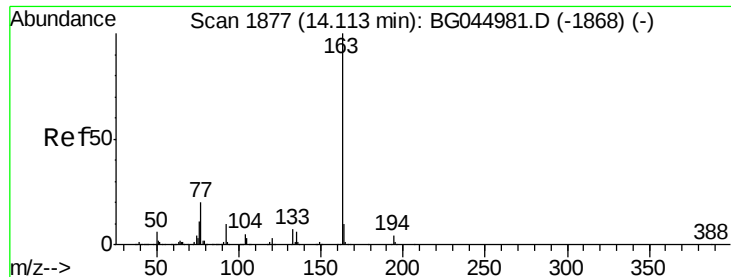
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.8	79.1	118.7
141	35.8	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 63.143 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BG045368.D
 Acq: 13 May 2020 19:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.6	46.0
170	23.9	20.5	30.7

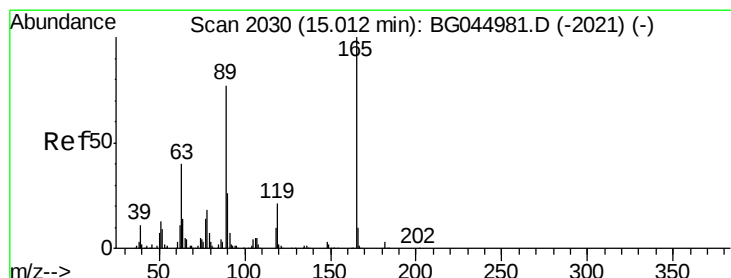
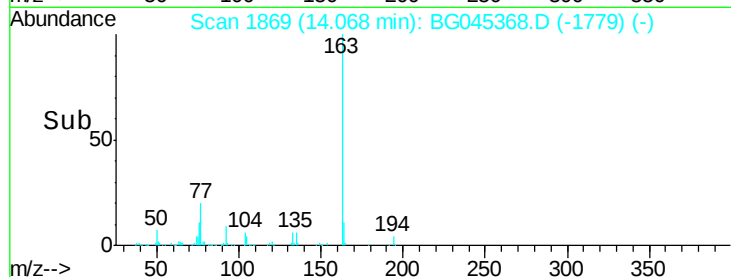
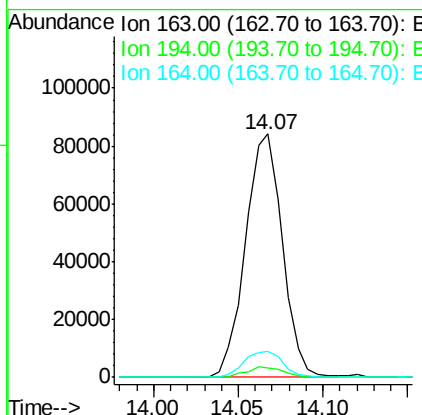
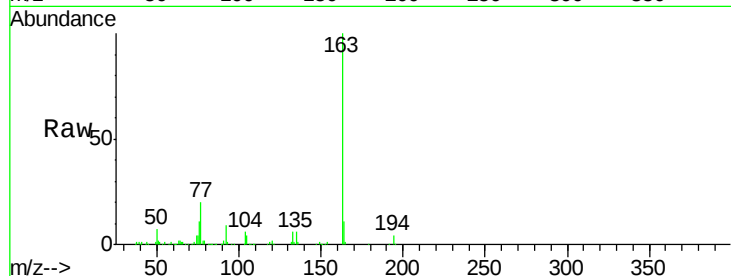




#50
Dimethylphthalate
Concen: 7.242 ng
RT: 14.07 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

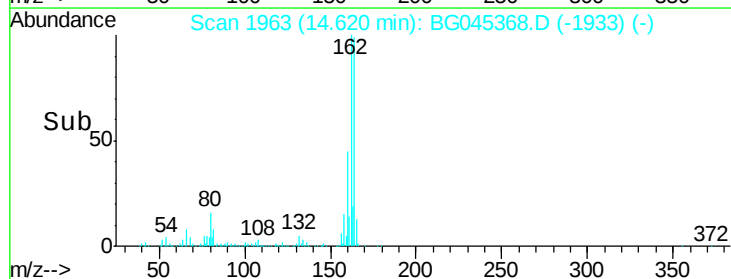
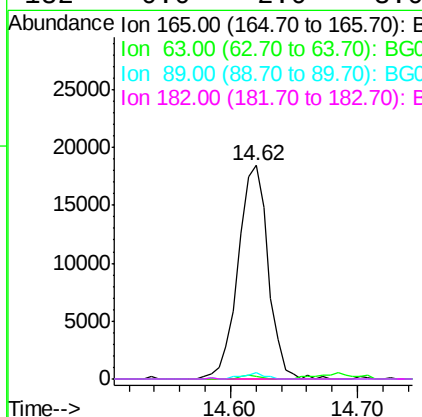
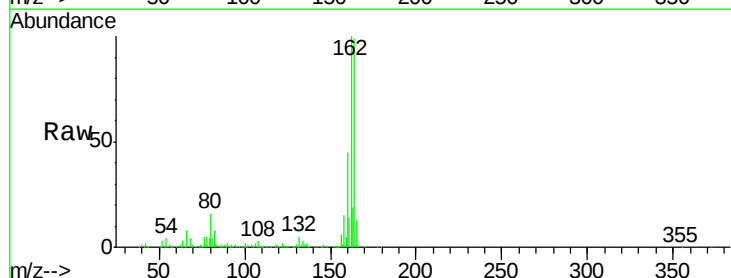
Instrument :
BNA_G
ClientSampled :

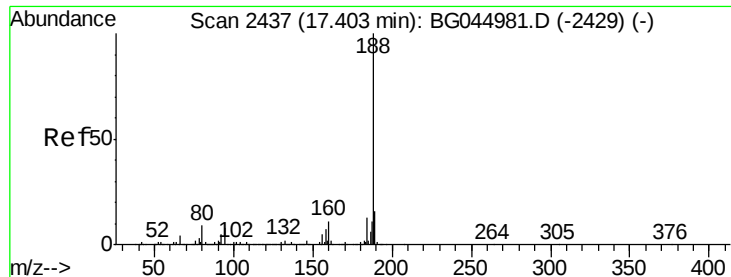
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	10.8	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 5.223 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.36 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.2	48.2#
89	3.1	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

Instrument :

BNA_G

ClientSampleId :

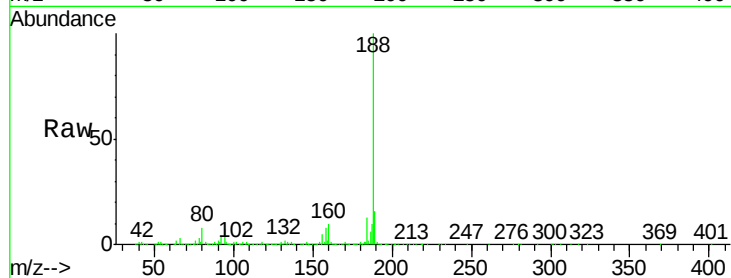
Tot Ion:188 Resp: 439831

Ion Ratio Lower Upper

188 100

94 6.8 6.2 9.4

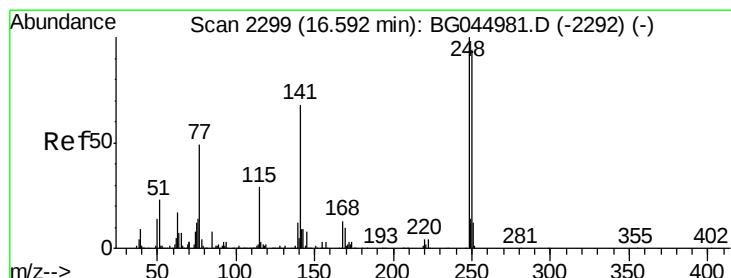
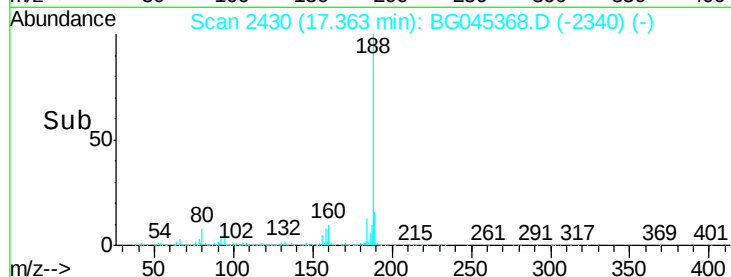
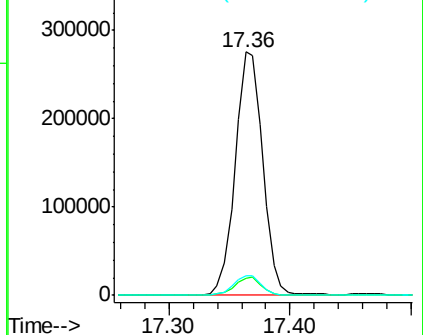
80 8.2 7.0 10.6



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: 3.038 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.44 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

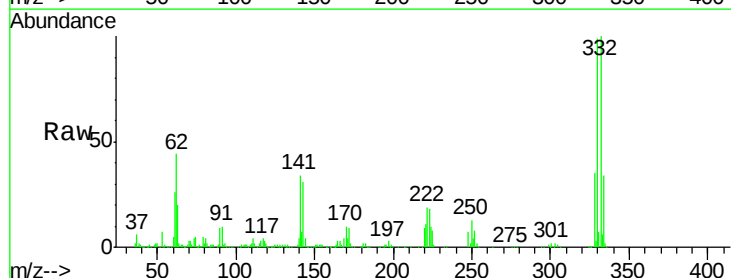
Tgt Ion:248 Resp: 17237

Ion Ratio Lower Upper

248 100

250 185.6 75.4 113.2#

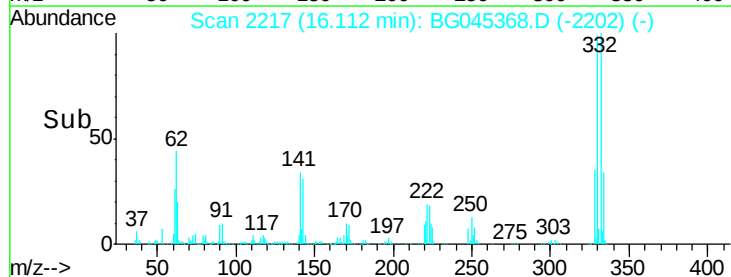
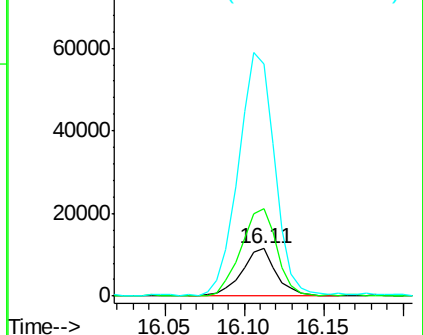
141 489.8 54.4 81.6#

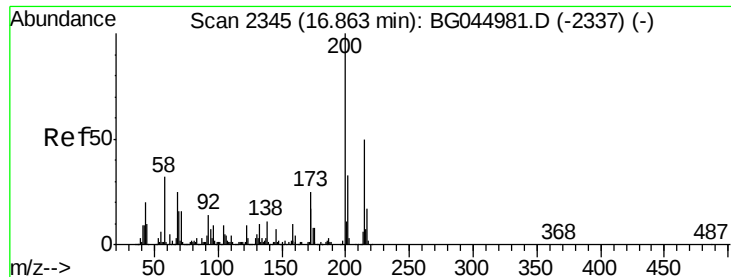


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.84 min Scan# 2341

Delta R.T. 0.02 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

Instrument :

BNA_G

ClientSampled :

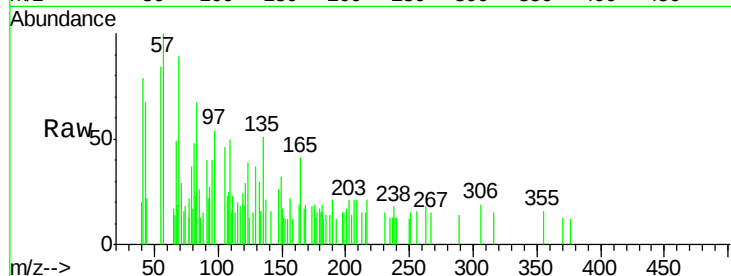
Tot Ion:200 Resp: 74

Ion Ratio Lower Upper

200 100

173 110.0 4.5 44.5#

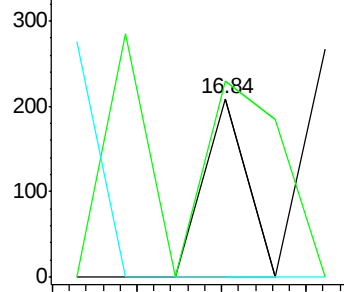
215 0.0 30.0 70.0#



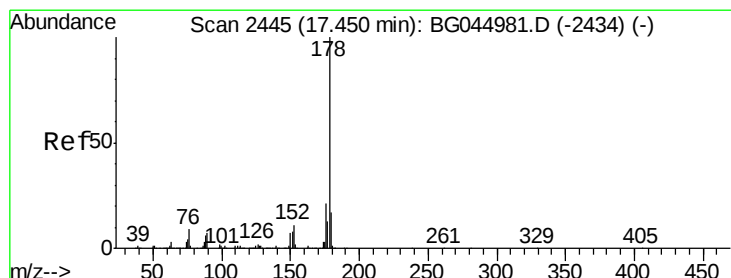
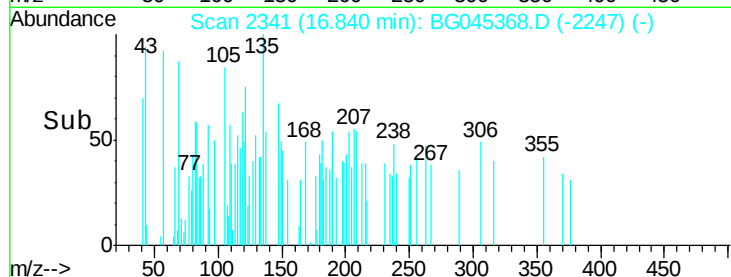
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time--> 16.82 16.83 16.84 16.85



#71

Phenanthrene

Concen: 7.304 ng

RT: 17.41 min Scan# 2438

Delta R.T. 0.00 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

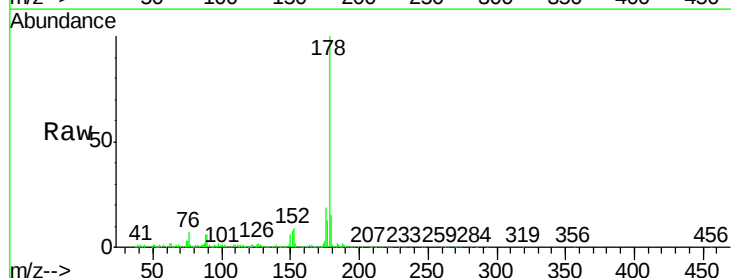
Tgt Ion:178 Resp: 165092

Ion Ratio Lower Upper

178 100

176 19.2 16.8 25.2

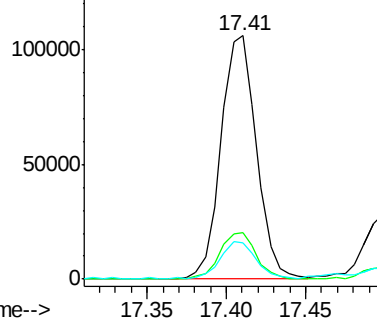
179 14.7 13.2 19.8



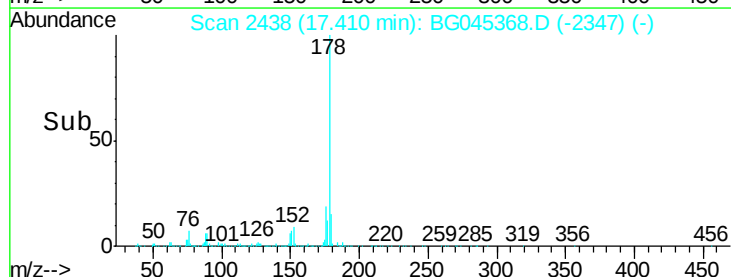
Abundance Ion 178.00 (177.70 to 178.70): E

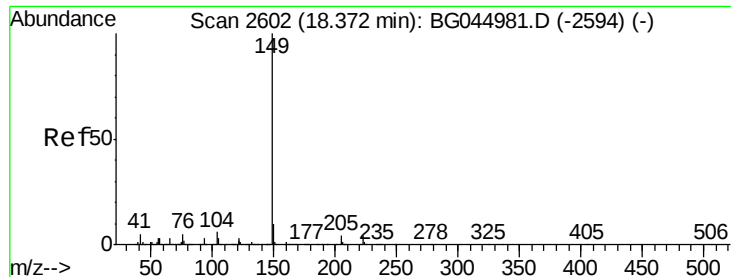
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.35 17.40 17.45

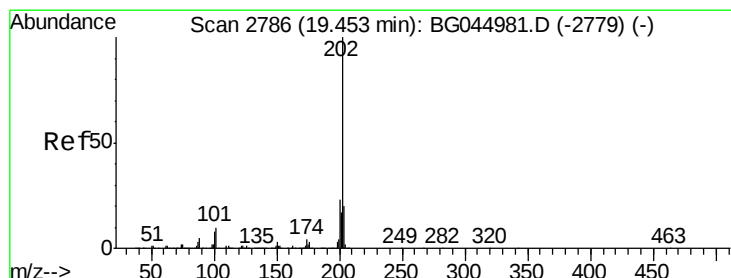
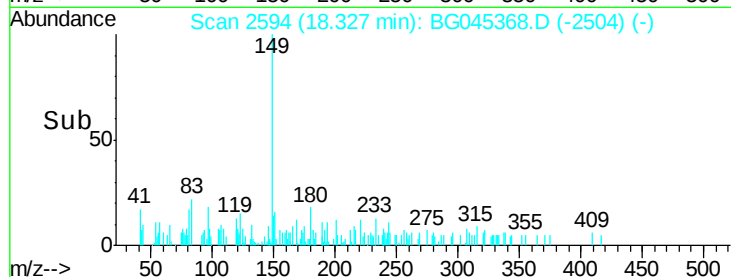
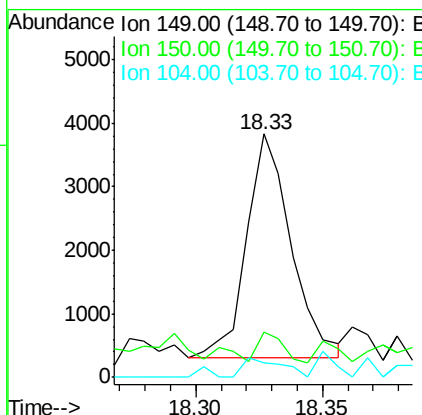
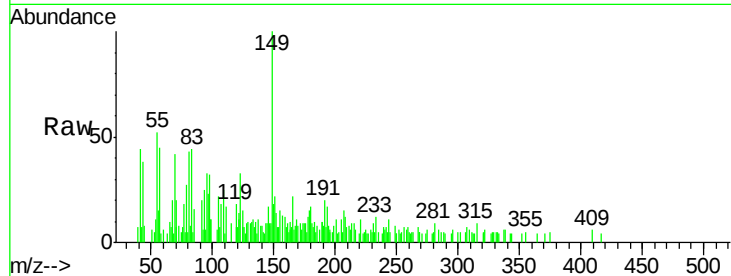




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.33 min Scan# 2594
Delta R.T. -0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

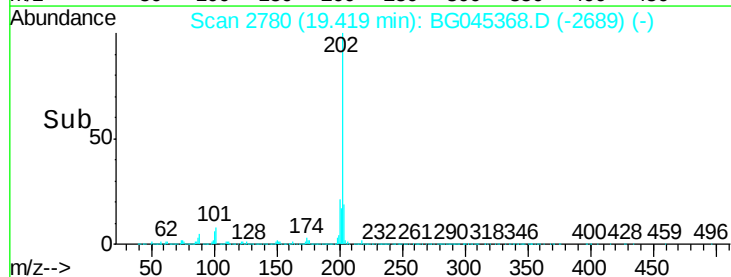
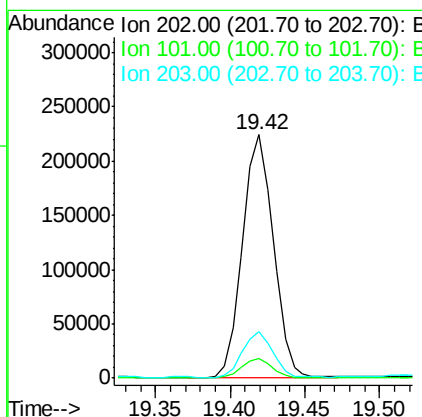
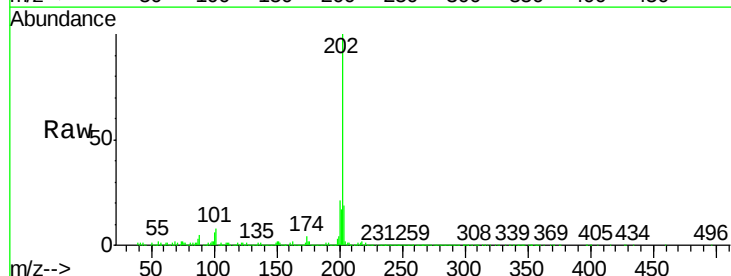
Instrument :
BNA_G
ClientSampleId :

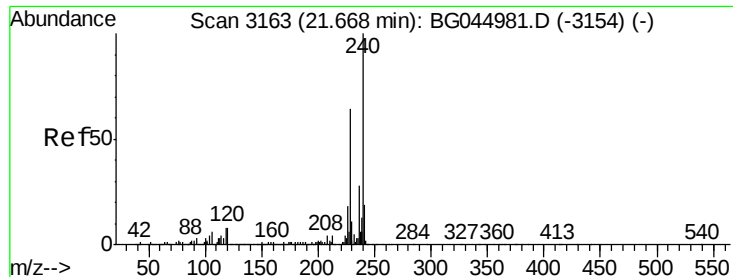
Tot Ion:149 Resp: 4290
Ion Ratio Lower Upper
149 100
150 18.3 8.2 12.2#
104 5.8 4.8 7.2



#75
Fluoranthene
Concen: 6.784 ng
RT: 19.42 min Scan# 2780
Delta R.T. 0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Tgt Ion:202 Resp: 319421
Ion Ratio Lower Upper
202 100
101 7.9 0.0 29.6
203 19.0 0.0 39.7

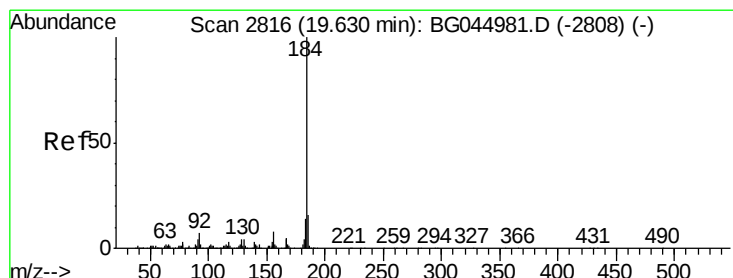
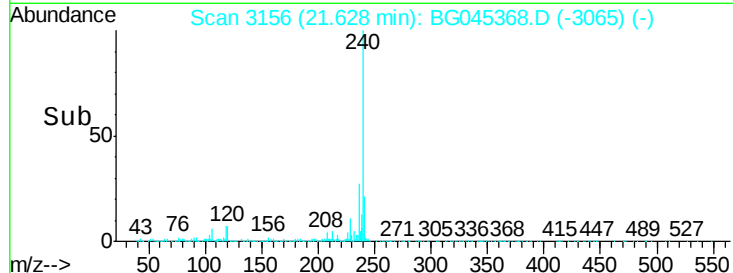
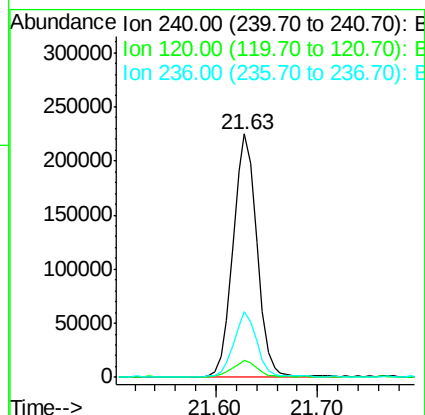
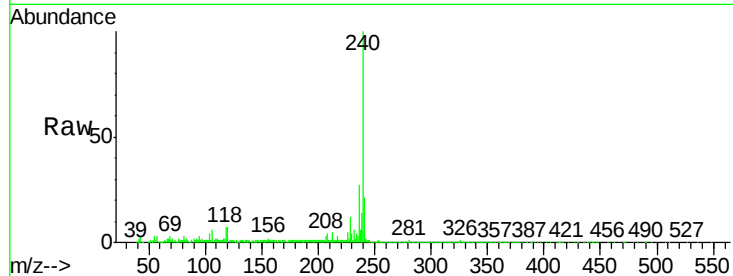




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. 0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

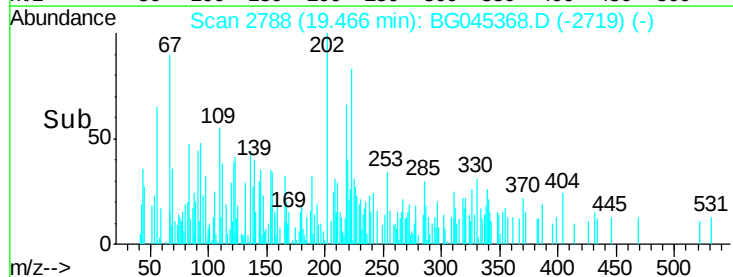
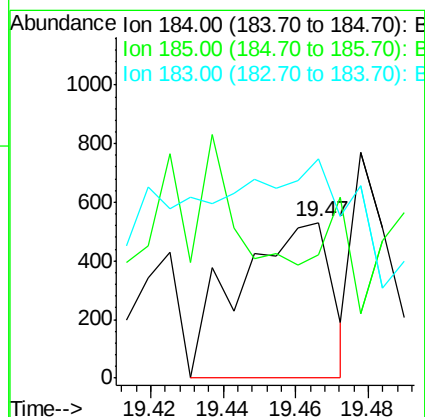
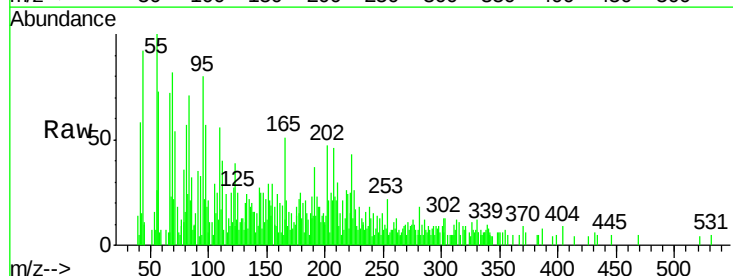
Instrument :
BNA_G
ClientSampleId :

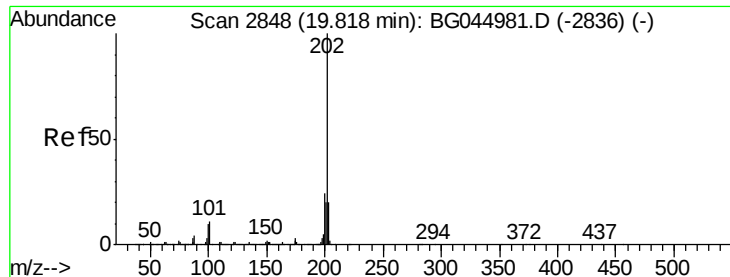
Tot Ion:240 Resp: 364086
Ion Ratio Lower Upper
240 100
120 7.1 6.6 10.0
236 27.2 22.2 33.2



#77
Benzidine
Concen: Below Cal
RT: 19.47 min Scan# 2788
Delta R.T. -0.13 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Tgt Ion:184 Resp: 943
Ion Ratio Lower Upper
184 100
185 78.8 12.6 19.0#
183 140.8 11.3 16.9#





#78

Pvrene

Concen: 11.970 ng

RT: 19.78 min Scan# 2841

Delta R.T. 0.00 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

Instrument :

BNA_G

ClientSampleId :

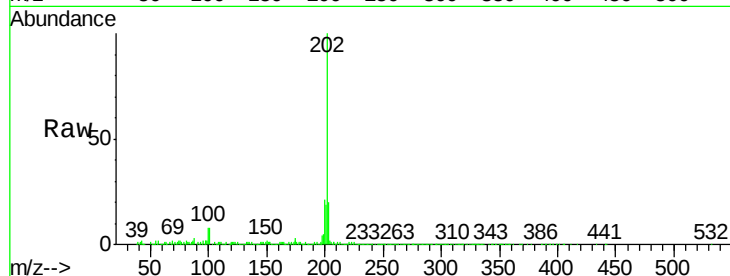
Tot Ion:202 Resp: 300461

Ion Ratio Lower Upper

202 100

200 21.0 19.0 28.6

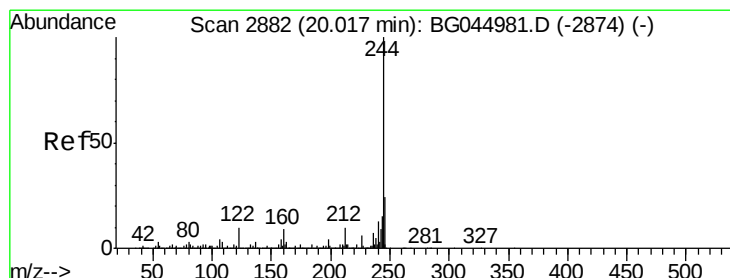
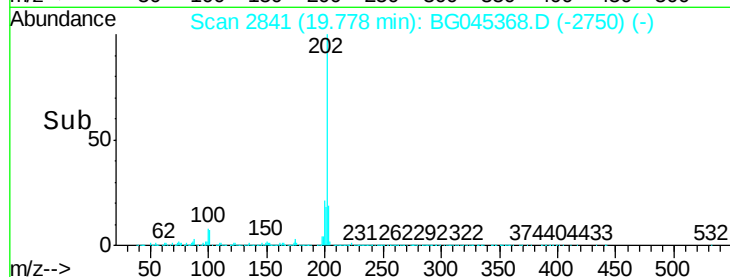
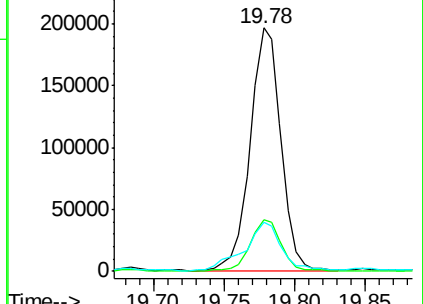
203 20.0 16.1 24.1



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: 68.640 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

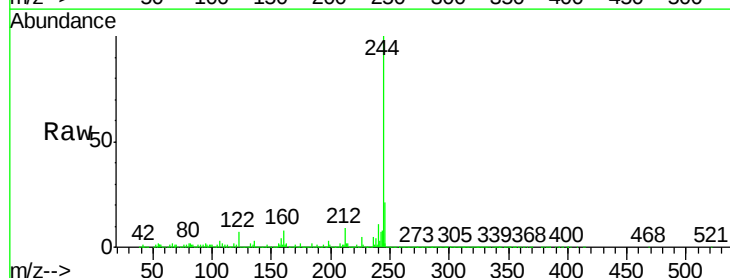
Tgt Ion:244 Resp: 1146592

Ion Ratio Lower Upper

244 100

212 8.6 7.9 11.9

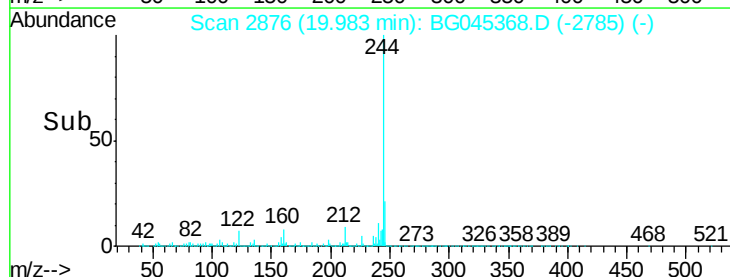
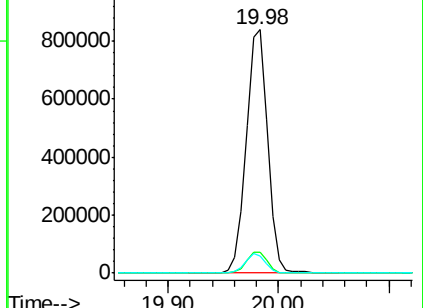
122 7.2 7.7 11.5#

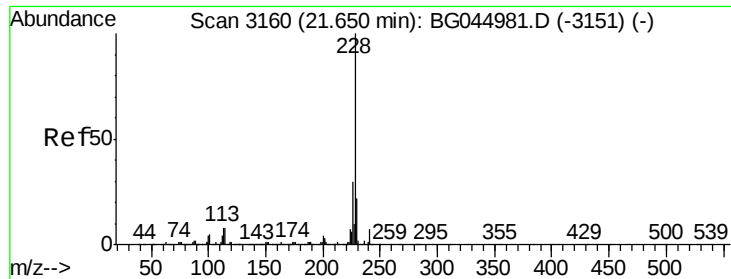


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

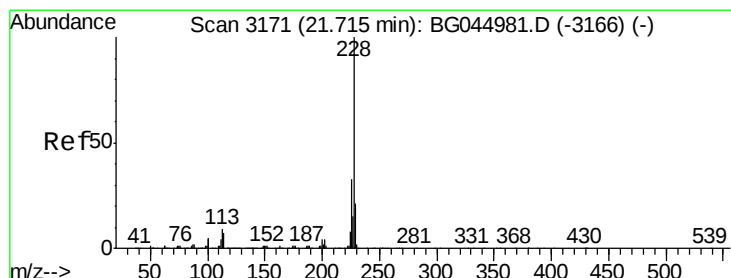
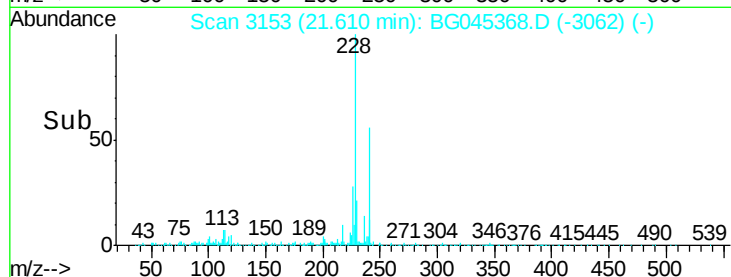
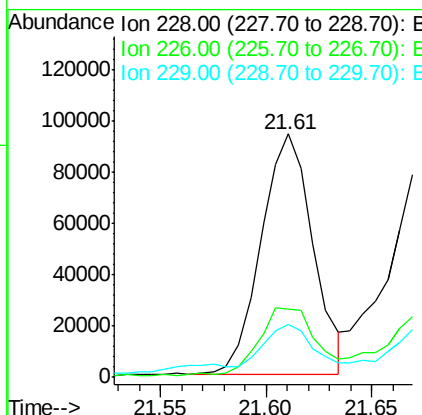
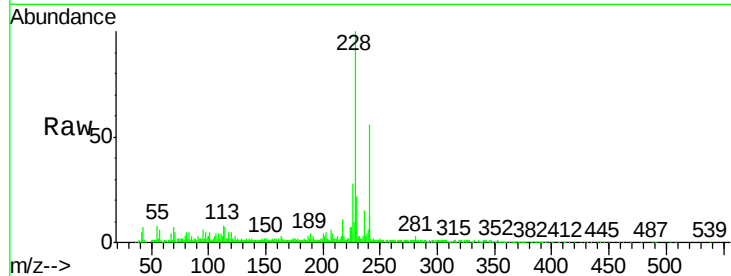




#81
Benzo(a)anthracene
Concen: 6.764 ng
RT: 21.61 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

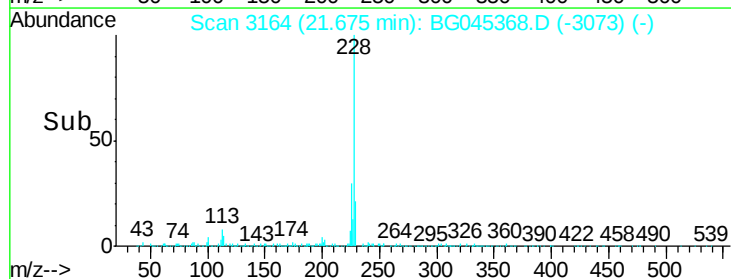
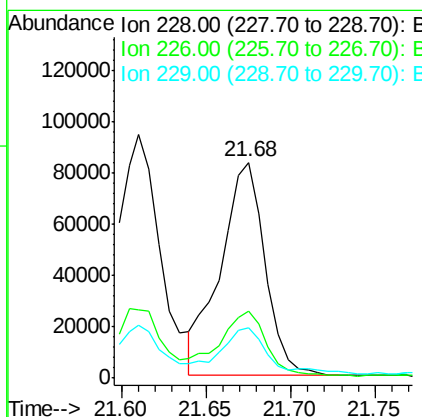
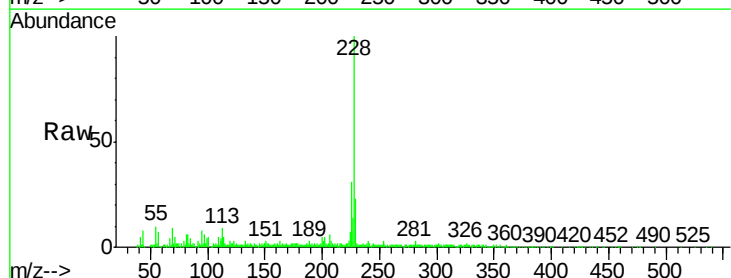
Instrument :
BNA_G
ClientSampleId :

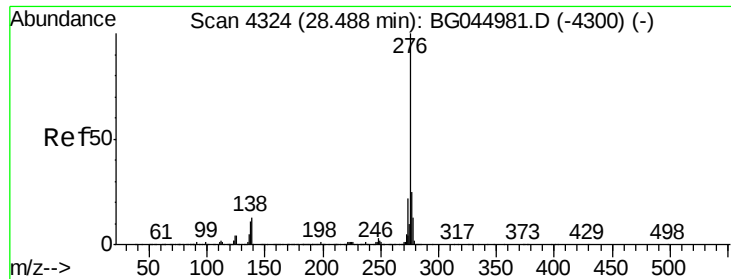
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.0	36.0
229	21.8	17.5	26.3



#83
Chrysene
Concen: 6.752 ng
RT: 21.68 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	26.2	39.4
229	23.0	17.0	25.6





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.278 ng

RT: 28.40 min Scan# 4308

Delta R.T. 0.02 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

Instrument :

BNA_G

ClientSampled :

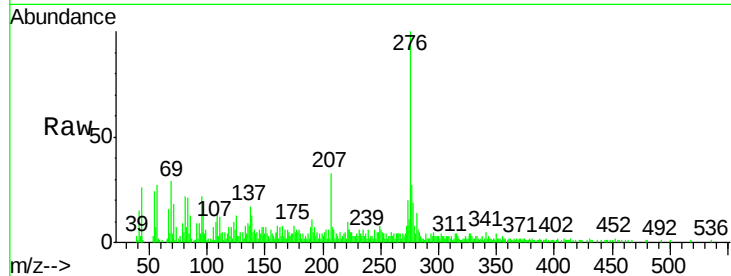
Tot Ion:276 Resp: 98679

Ion Ratio Lower Upper

276 100

138 6.6 9.6 14.4#

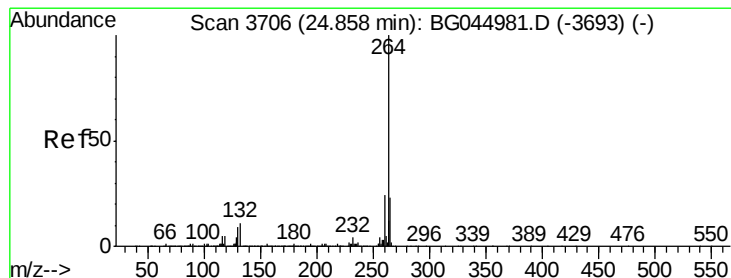
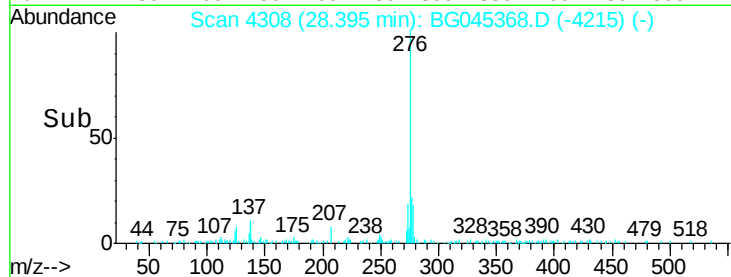
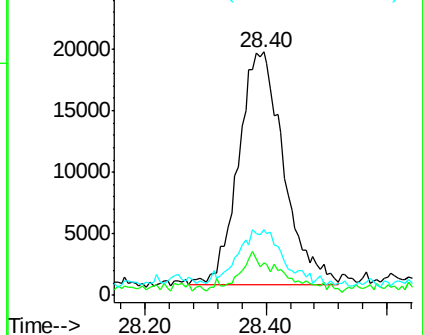
277 8.3 20.6 31.0#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.80 min Scan# 3696

Delta R.T. 0.02 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

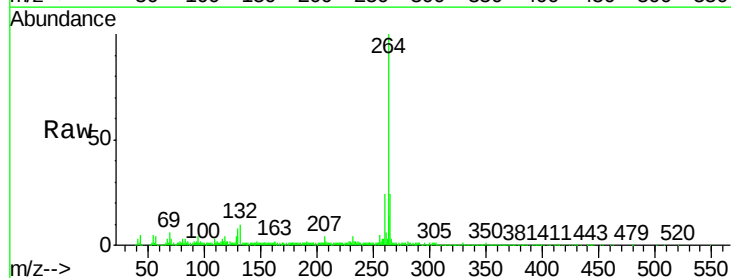
Tgt Ion:264 Resp: 408420

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

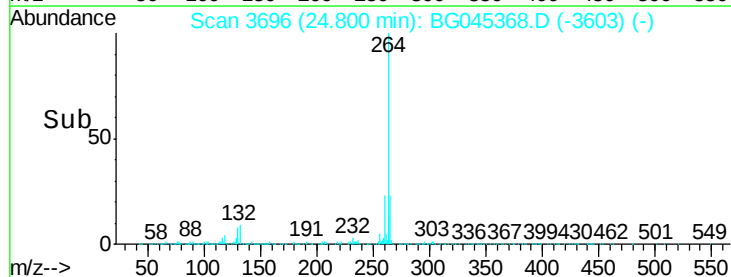
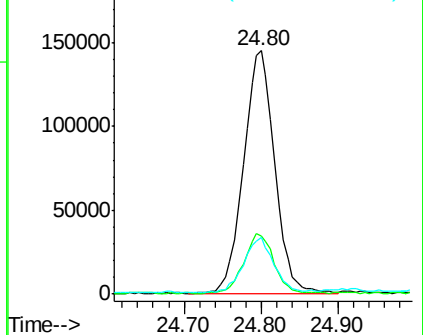
265 23.6 19.0 28.4

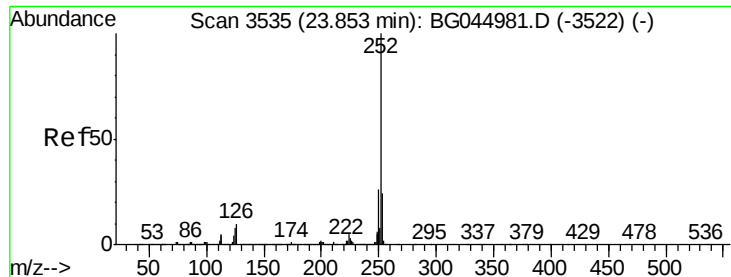


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

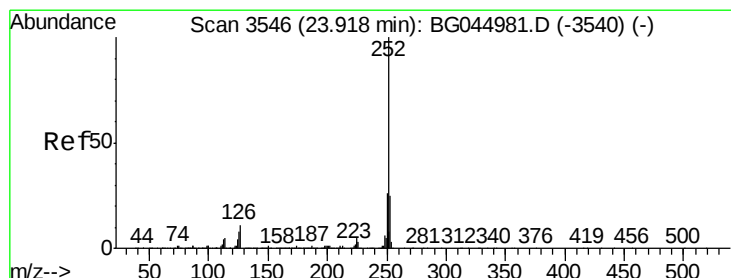
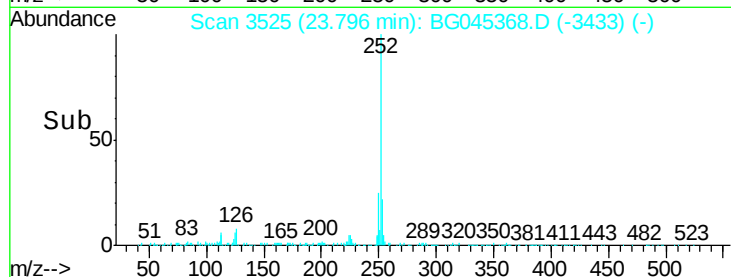
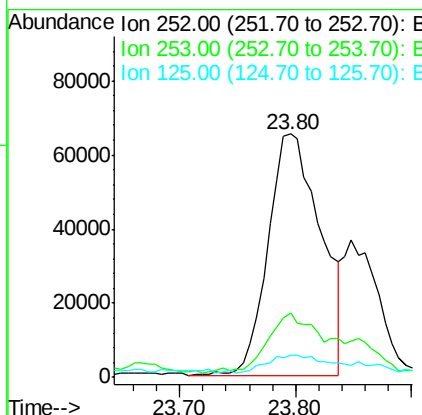
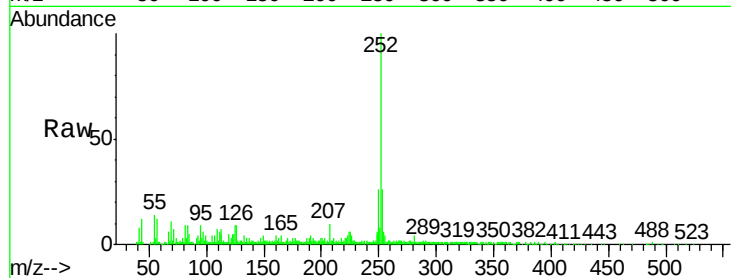




#88
Benzo(b)fluoranthene
Concen: 8.098 ng
RT: 23.80 min Scan# 3525
Delta R.T. 0.01 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

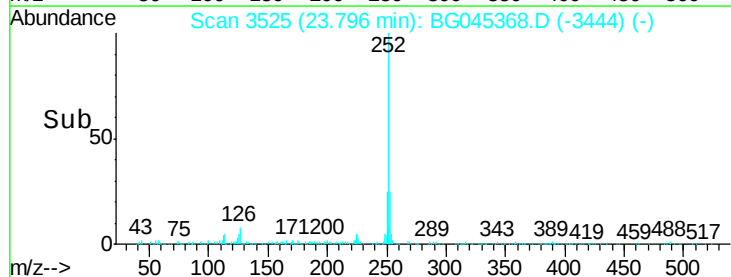
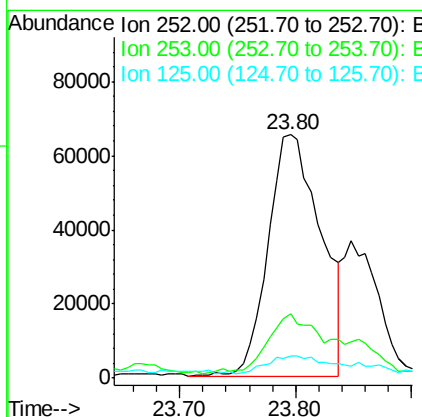
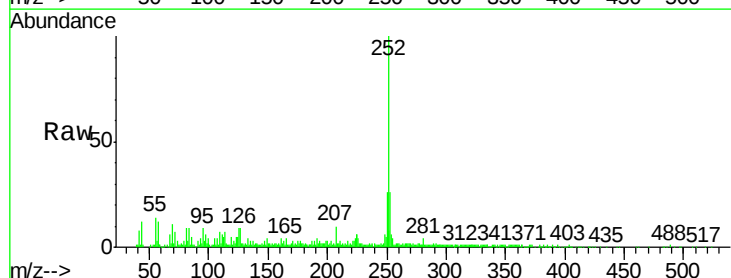
Instrument :
BNA_G
ClientSampleId :

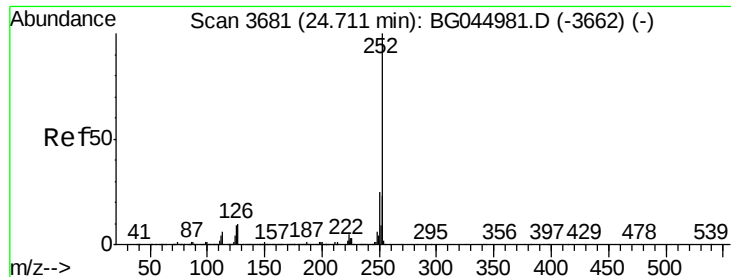
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.8	28.2
125	8.9	6.2	9.4



#89
Benzo(k)fluoranthene
Concen: 8.515 ng
RT: 23.80 min Scan# 3525
Delta R.T. -0.06 min
Lab File: BG045368.D
Acq: 13 May 2020 19:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.2	28.8
125	8.9	5.9	8.9





#90

Benzo(a)pyrene

Concen: 6.376 ng

RT: 24.65 min Scan# 3670

Delta R.T. 0.01 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

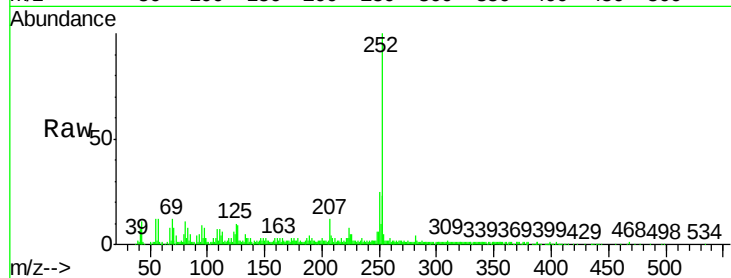
Instrument :

BNA_G

ClientSampleId :

Tot Ion:252 Resp: 154011

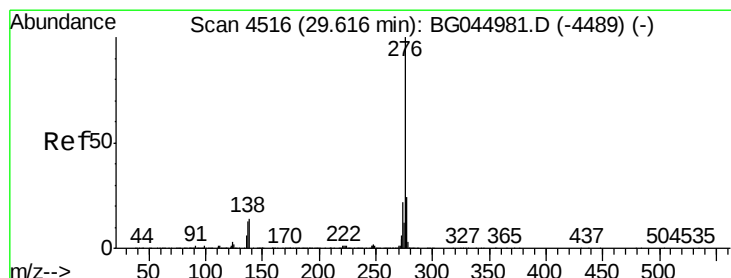
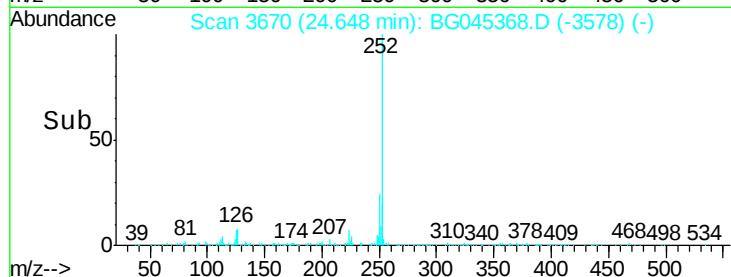
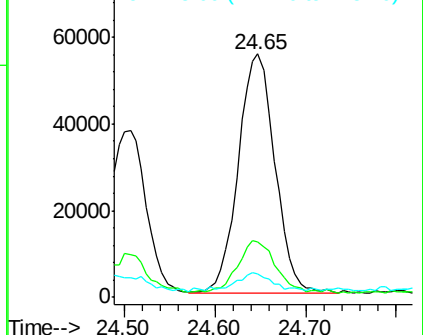
Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5
125	9.8	7.0	10.6



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



#92

Benzo(g,h,i)perylene

Concen: 3.794 ng

RT: 29.51 min Scan# 4498

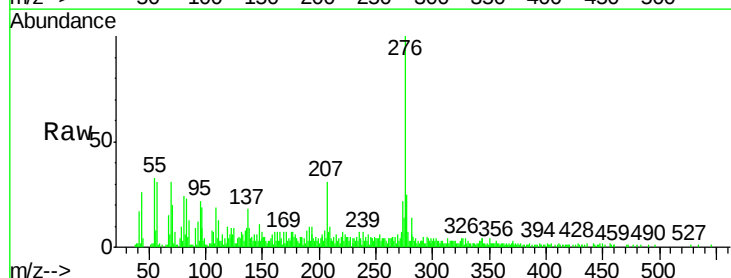
Delta R.T. 0.01 min

Lab File: BG045368.D

Acq: 13 May 2020 19:14

Tgt Ion:276 Resp: 92586

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.3	28.9
138	9.3	11.4	17.2



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

