

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045369.D
 Acq On : 13 May 2020 19:54
 Operator : CG/JU
 Sample : L2594-01
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 14 00:56:42 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	84717	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	347619	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	235760	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	455527	20.00	ng	0.00
76) Chrysene-d12	21.63	240	375987	20.00	ng	0.00
87) Perylene-d12	24.81	264	410975	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	421977	82.23	ng	0.00
7) Phenol-d6	7.15	99	632636	82.98	ng	0.00
23) Nitrobenzene-d5	9.13	82	427850	56.16	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	274494	75.37	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	985841	61.31	ng	0.00
79) Terphenyl-d14	19.98	244	1190269	69.00	ng	0.00

Target Compounds

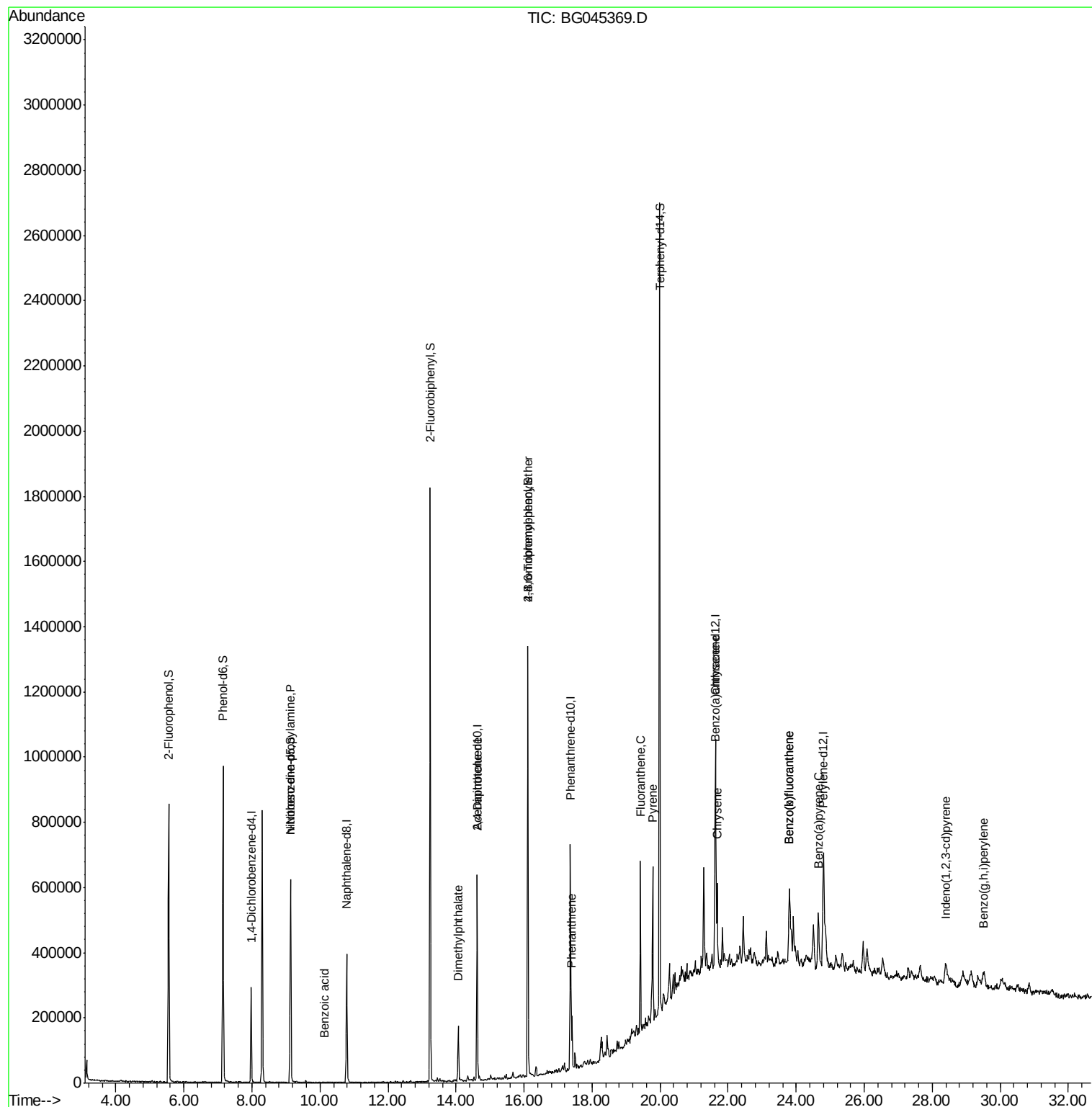
						Qvalue
9) Benzaldehyde	7.08	77	54	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	59890	11.108 ng	#	78
32) Benzoic acid	10.14	122	63	6.386 ng	#	63
50) Dimethylphthalate	14.07	163	121003	6.303 ng		98
57) 2,4-Dinitrotoluene	14.62	165	29757	4.742 ng	#	23
67) 4-Bromophenyl-phenylether	16.11	248	18432	3.136 ng	#	1
69) Atrazine	16.82	200	144	Below Cal	#	1
71) Phenanthrene	17.40	178	109868	4.694 ng		95
74) Di-n-butylphthalate	18.33	149	5760	Below Cal	#	92
75) Fluoranthene	19.42	202	335764	6.992 ng		97
77) Benzydine	19.47	184	847	Below Cal	#	1
78) Pyrene	19.78	202	309569	11.943 ng		95
81) Benzo(a)anthracene	21.61	228	209366	8.591 ng		98
83) Chrysene	21.68	228	190786	8.148 ng		95
86) Indeno(1,2,3-cd)pyrene	28.39	276	119920	3.858 ng	#	81
88) Benzo(b)fluoranthene	23.80	252	286898	11.145 ng		98
89) Benzo(k)fluoranthene	23.80	252	286898	11.719 ng		99
90) Benzo(a)pyrene	24.65	252	195745	8.053 ng		98
92) Benzo(a,h,i)perylene	29.51	276	114791	4.675 ng		95

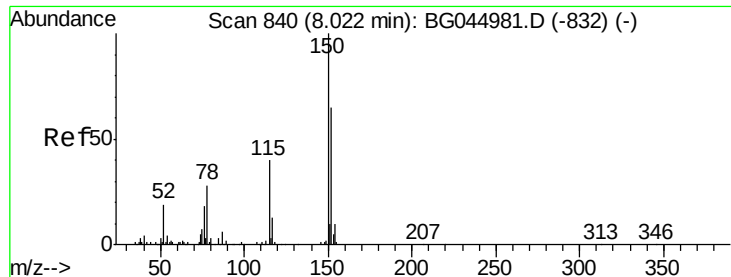
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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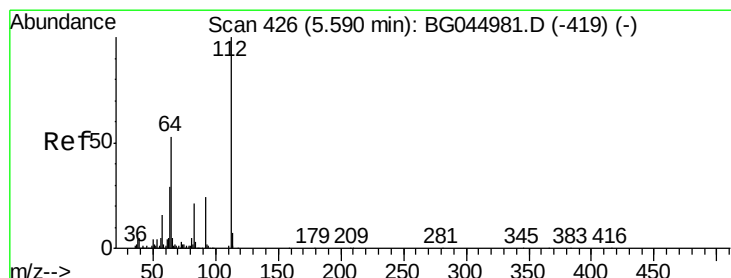
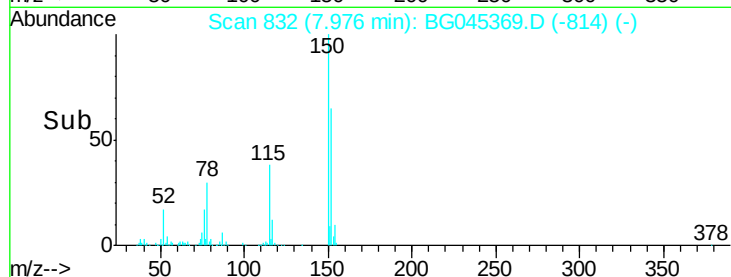
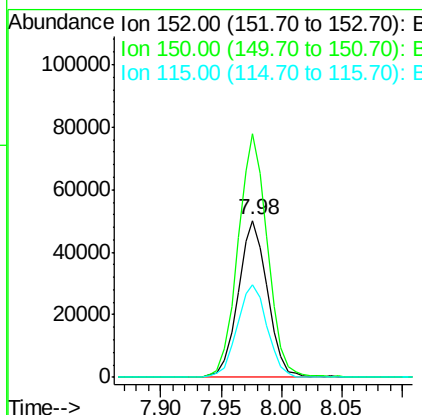
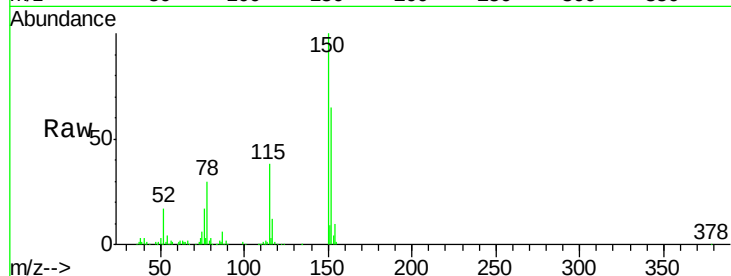


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Instrument :
BNA_G
ClientSampled :

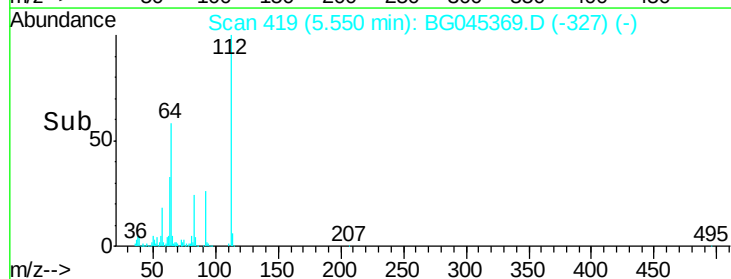
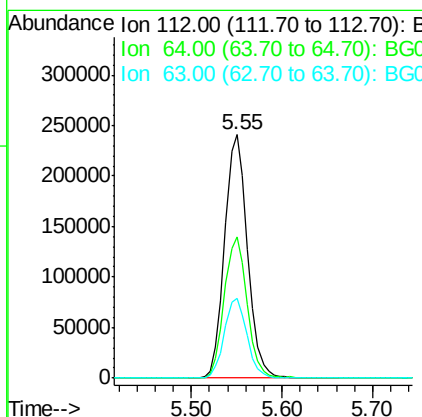
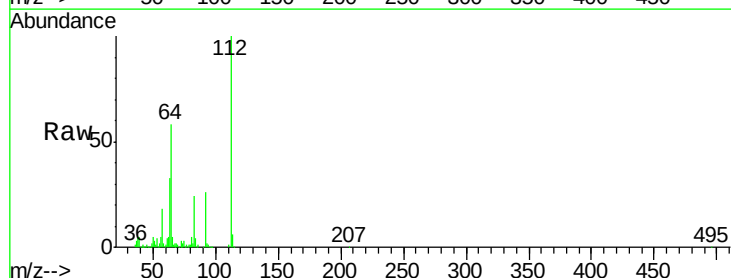
Tot Ion	152	Resp	84717
Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.6	185.4
115	59.2	49.1	73.7

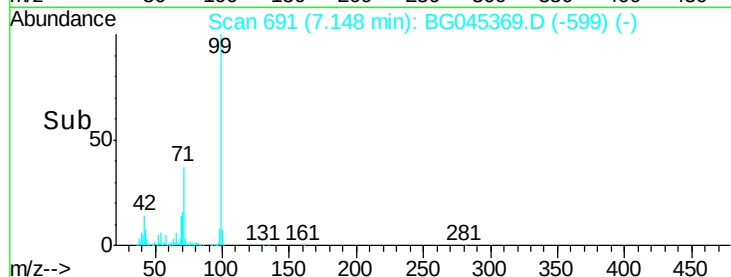
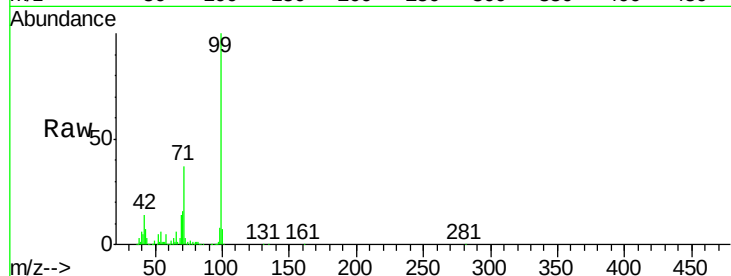
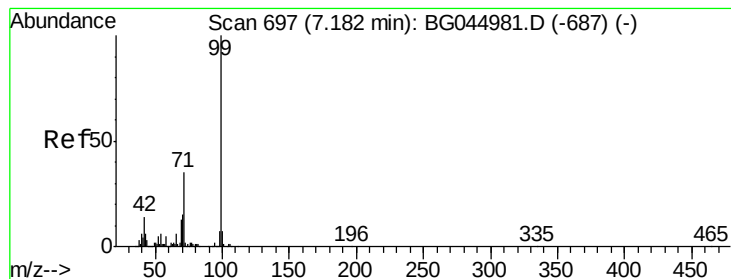


#5

2-Fluorophenol
Concen: 82.234 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Tgt Ion	112	Resp	421977
Ion	Ratio	Lower	Upper
112	100		
64	57.9	42.4	63.6
63	32.9	23.1	34.7





#7

Phenol-d6

Concen: 82.979 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

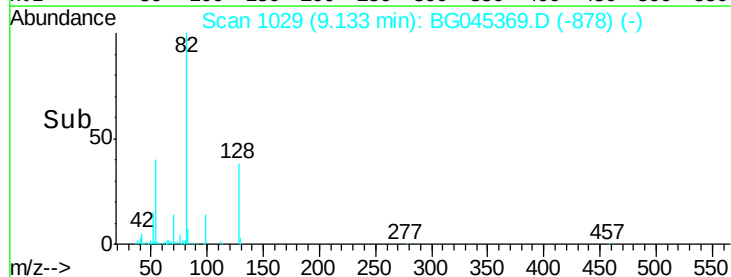
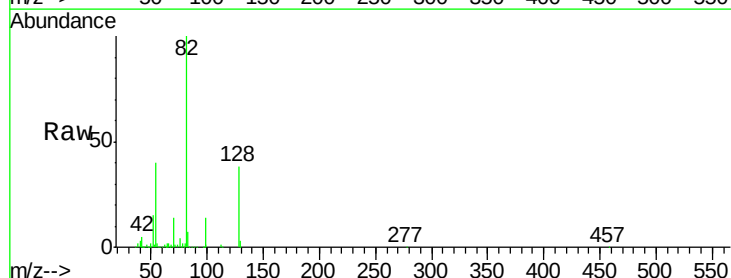
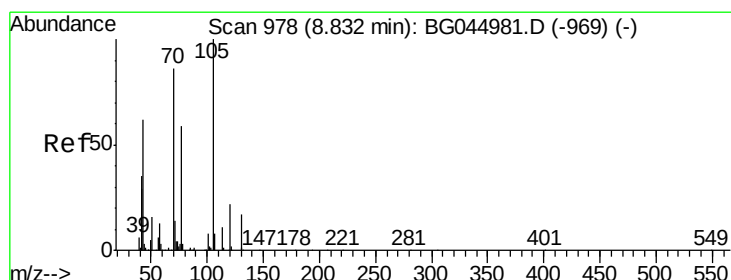
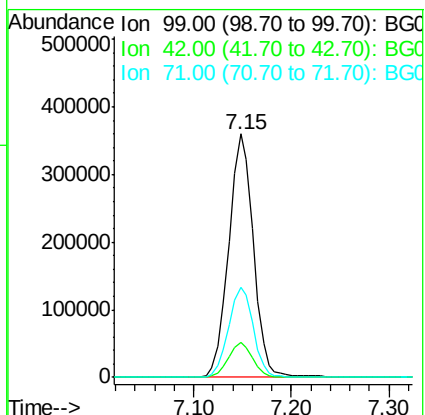
Tot Ion: 99 Resp: 632636

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 36.9 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.108 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.36 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Tgt Ion: 70 Resp: 59890

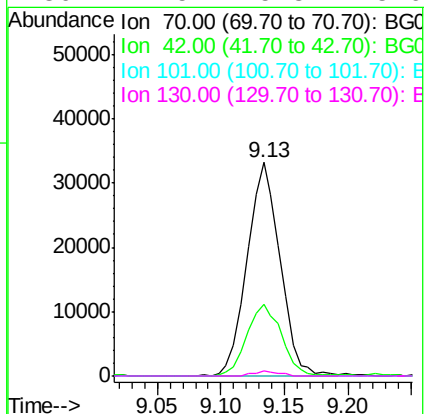
Ion Ratio Lower Upper

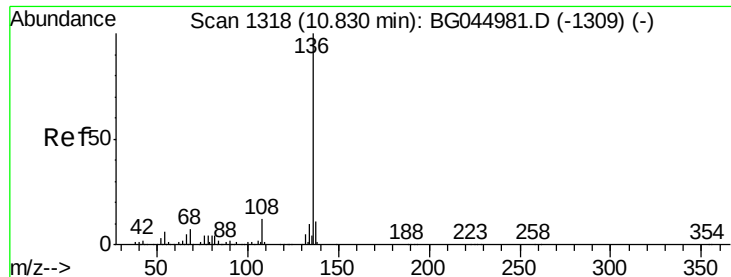
70 100

42 33.6 33.3 49.9

101 0.0 7.8 11.8#

130 2.5 15.8 23.6#

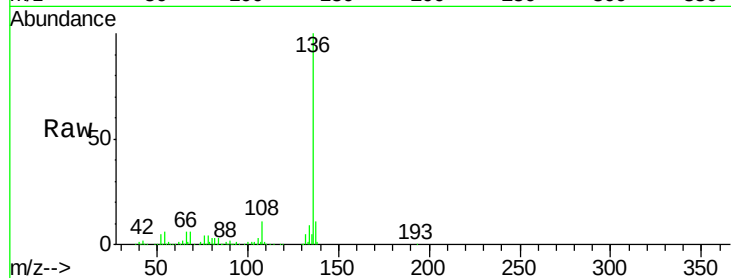




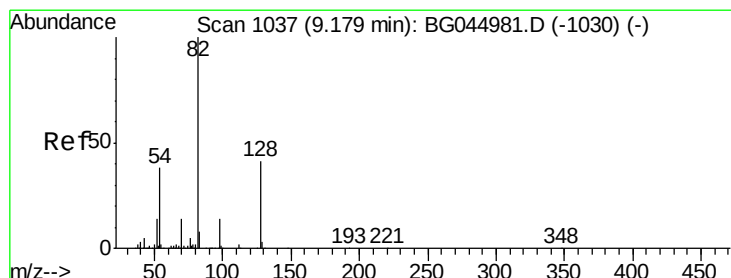
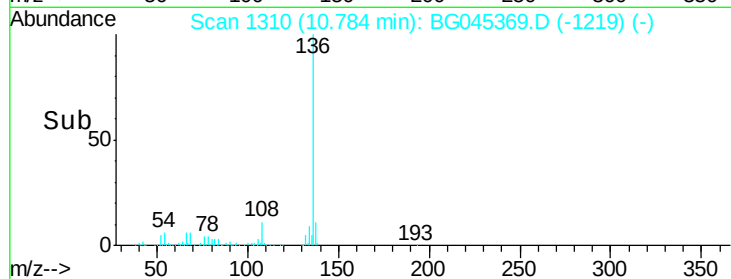
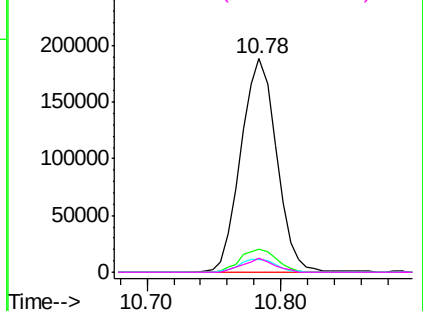
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	347619
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.6	13.0
54 6.3	4.8	7.2
68 6.4	5.2	7.8

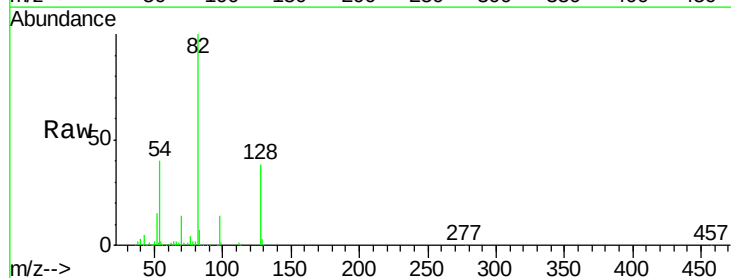


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

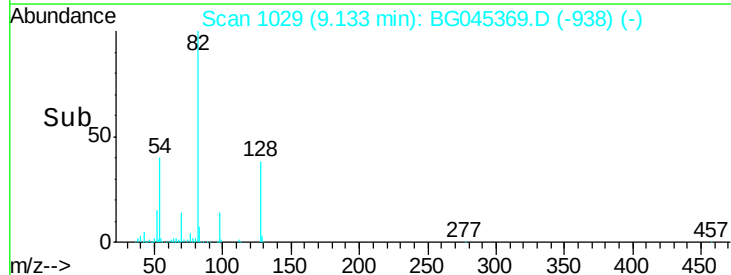
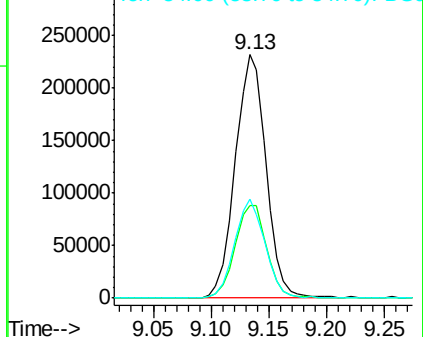


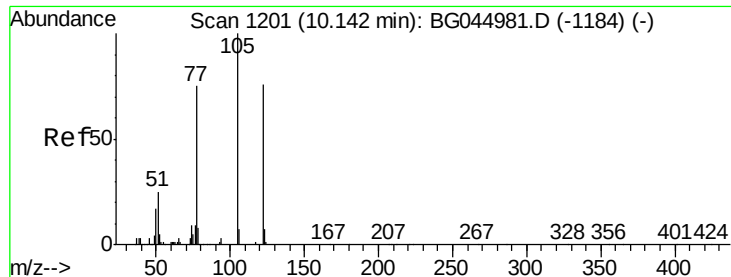
#23
Nitrobenzene-d5
Concen: 56.160 ng
RT: 9.13 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Tgt Ion: 82	Resp: 427850
Ion Ratio	Lower Upper
82 100	
128 38.2	33.0 49.4
54 40.4	30.4 45.6



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

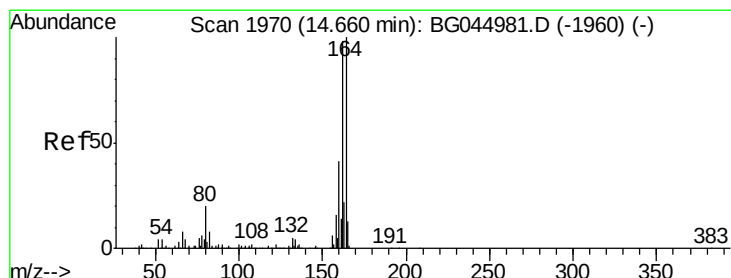
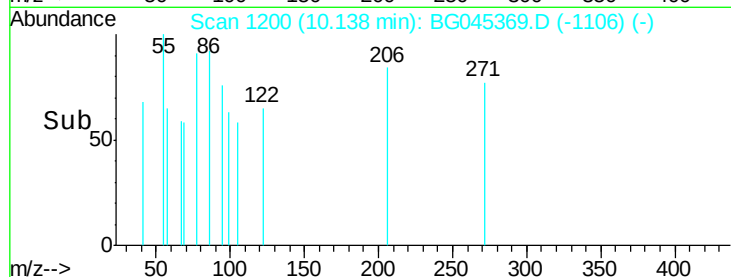
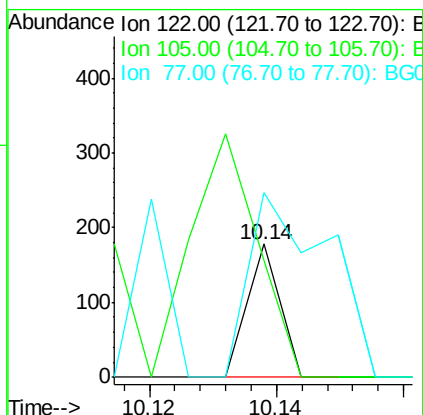
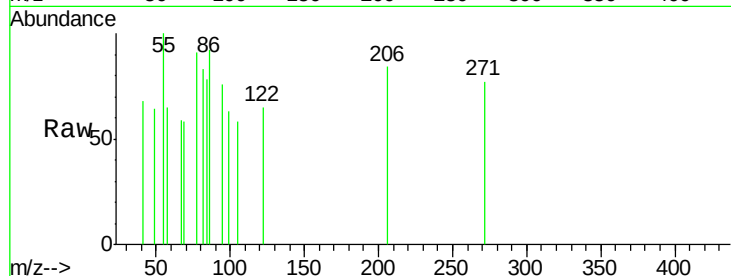




#32
Benzoic acid
Concen: 6.386 ng
RT: 10.14 min Scan# 1200
Delta R.T. 0.02 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

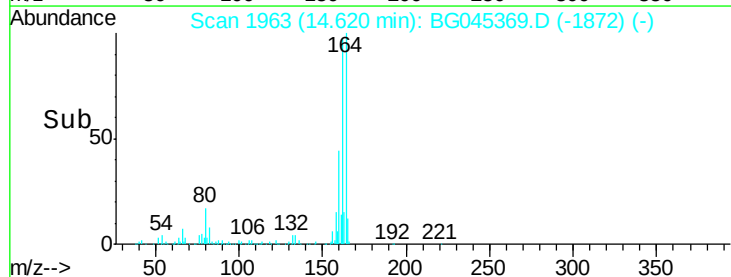
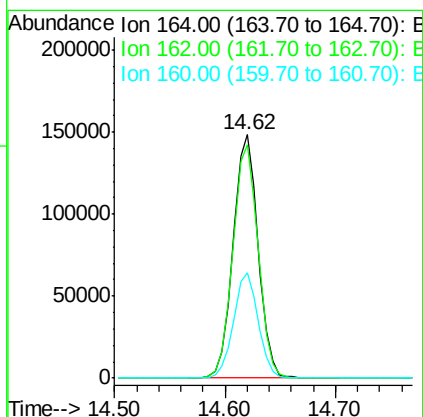
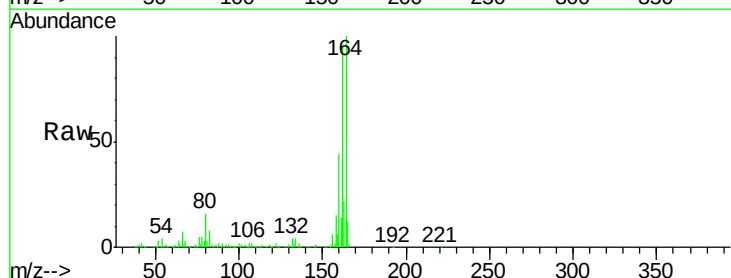
Instrument :
BNA_G
ClientSampled :

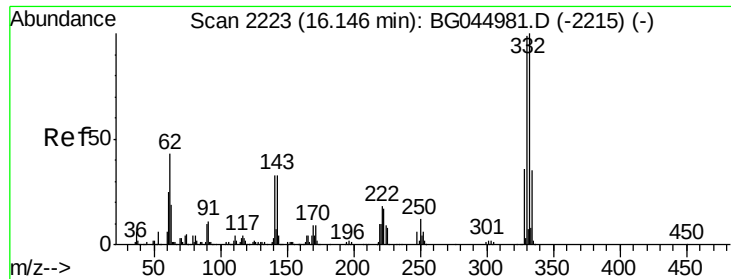
Tot Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 88.2 108.4 148.4#
77 138.8 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Tgt Ion:164 Resp: 235760
Ion Ratio Lower Upper
164 100
162 96.0 78.7 118.1
160 43.5 32.8 49.2

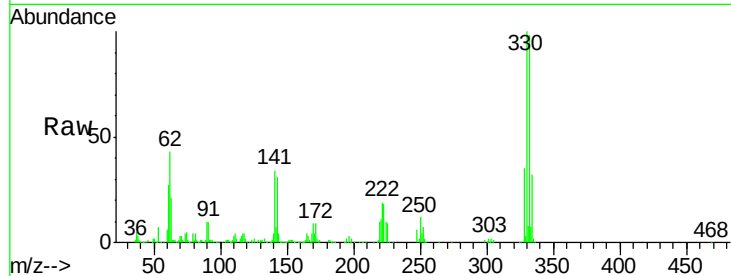




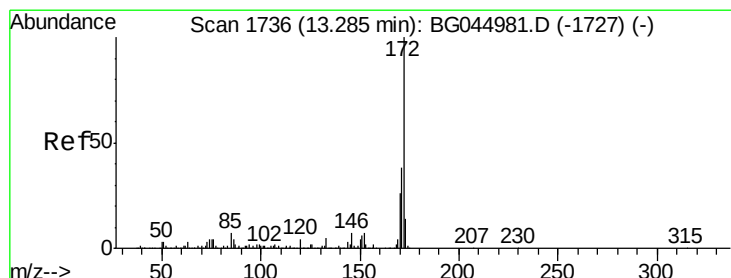
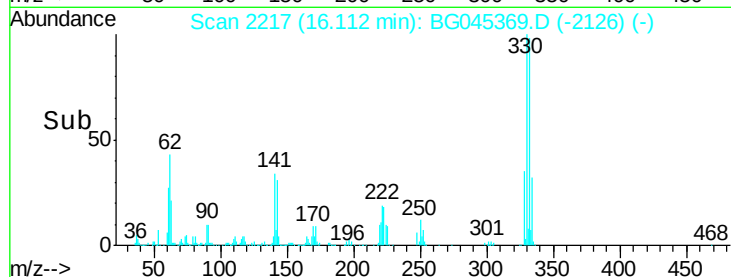
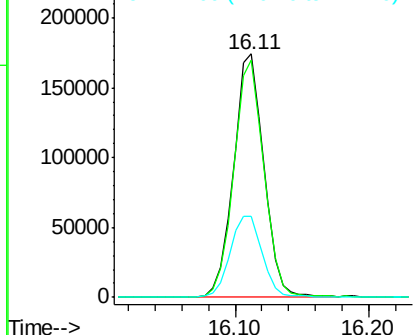
#42
2,4,6-Tribromophenol
Concen: 75.365 ng
RT: 16.11 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:330 Resp: 274494
Ion Ratio Lower Upper
330 100
332 97.0 79.1 118.7
141 36.3 27.1 40.7

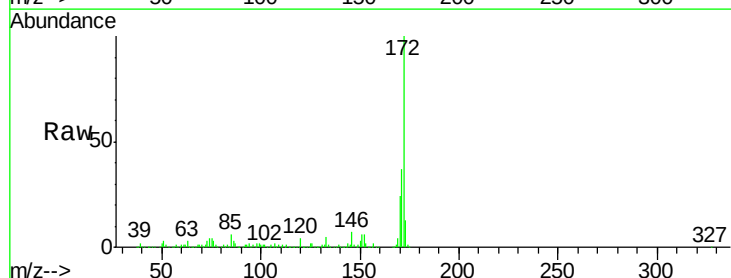


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

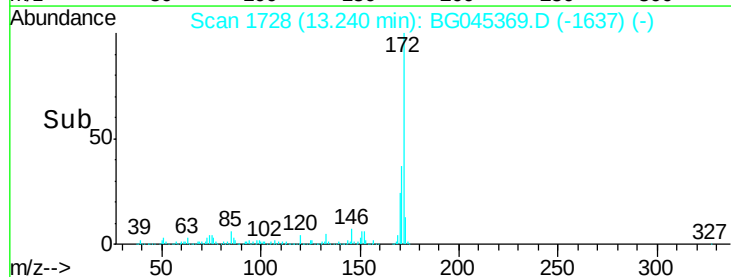
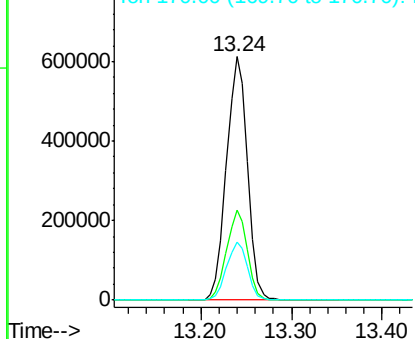


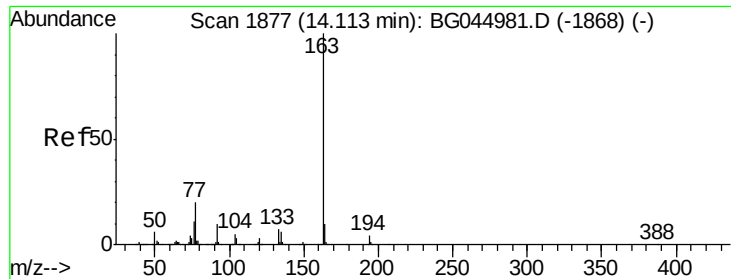
#45
2-Fluorobiphenyl
Concen: 61.315 ng
RT: 13.24 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Tgt Ion:172 Resp: 985841
Ion Ratio Lower Upper
172 100
171 36.8 30.6 46.0
170 24.0 20.5 30.7



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





#50

Dimethylphthalate

Concen: 6.303 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampled :

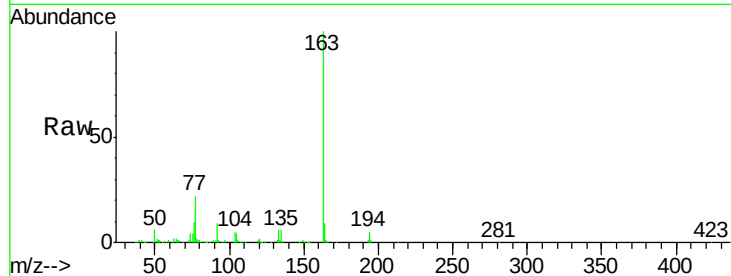
Tot Ion:163 Resp: 121003

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

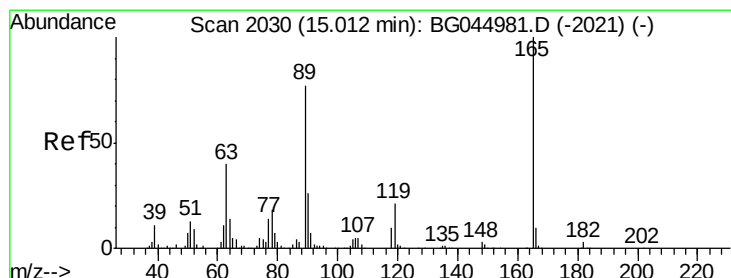
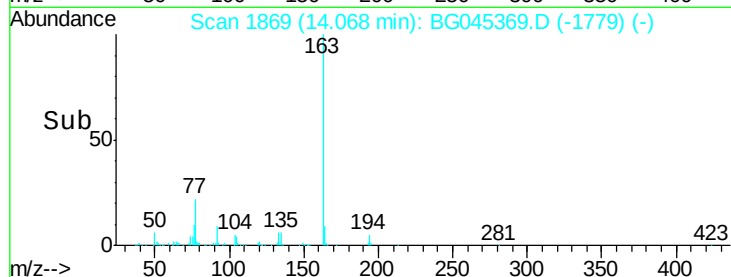
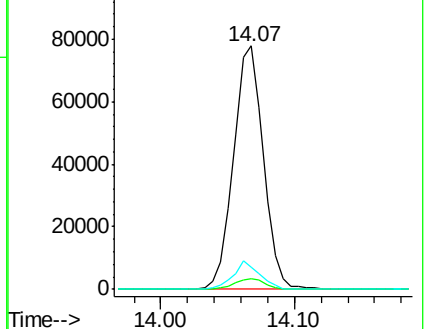
164 9.3 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.742 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.35 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Tgt Ion:165 Resp: 29757

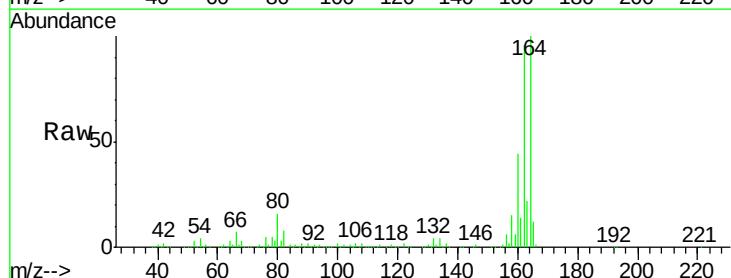
Ion Ratio Lower Upper

165 100

63 1.5 32.2 48.2#

89 1.7 61.7 92.5#

182 0.0 2.0 3.0#

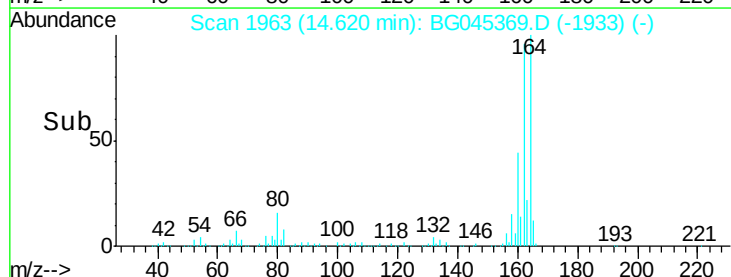
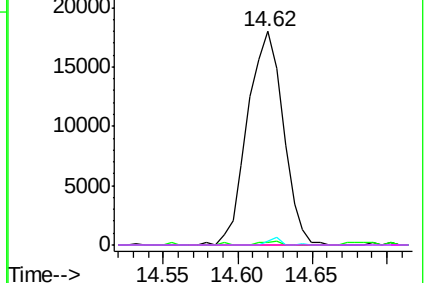


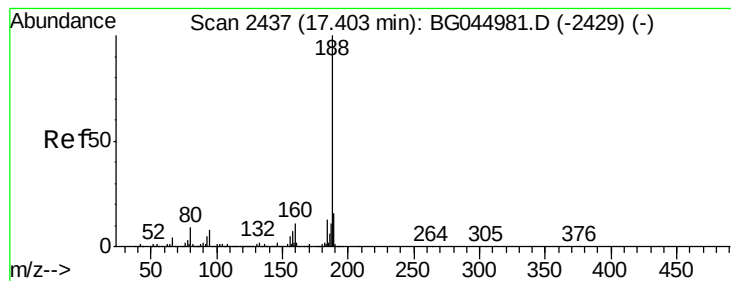
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

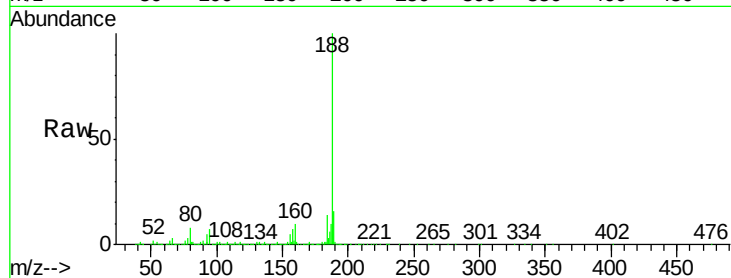
Tot Ion:188 Resp: 45527

Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.4

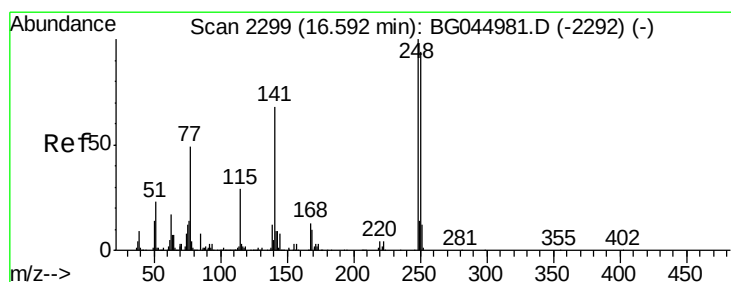
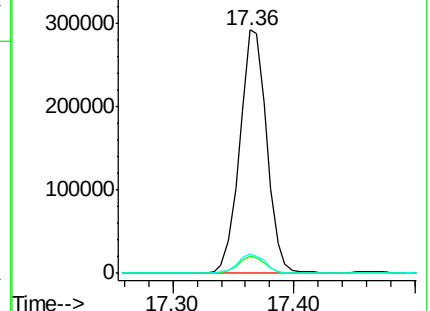
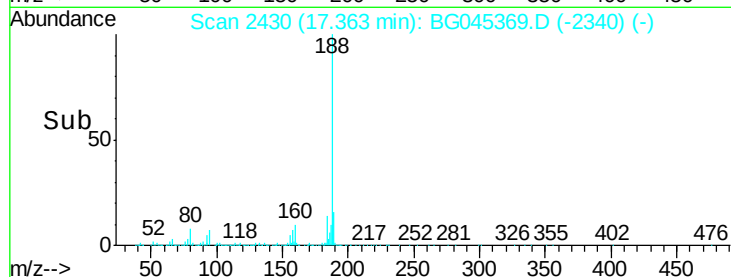
80 8.3 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.136 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.44 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

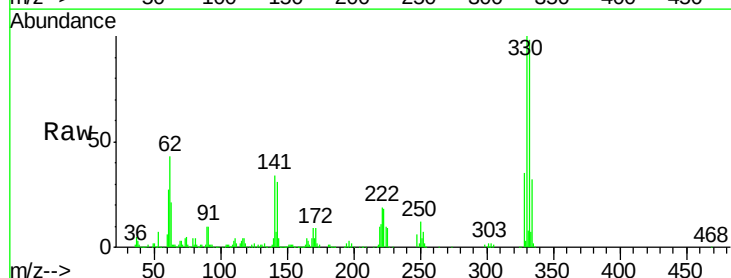
Tgt Ion:248 Resp: 18432

Ion Ratio Lower Upper

248 100

250 194.2 75.4 113.2#

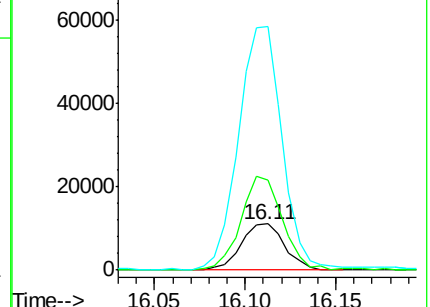
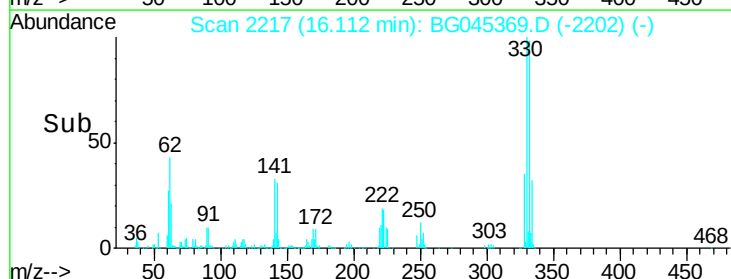
141 524.1 54.4 81.6#

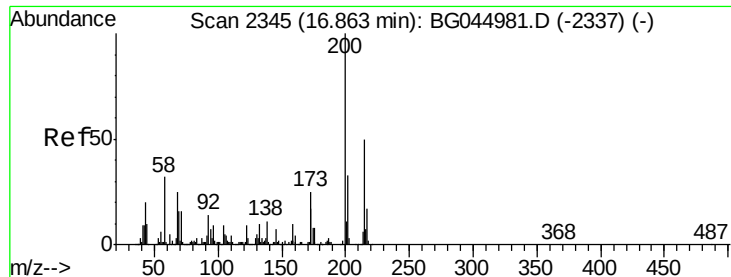


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.82 min Scan# 2338

Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampled :

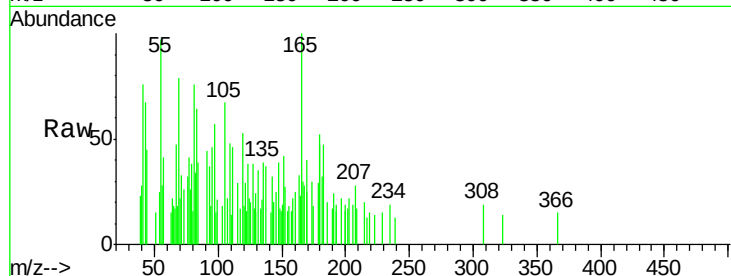
Tot Ion:200 Resp: 144

Ion Ratio Lower Upper

200 100

173 159.8 4.5 44.5#

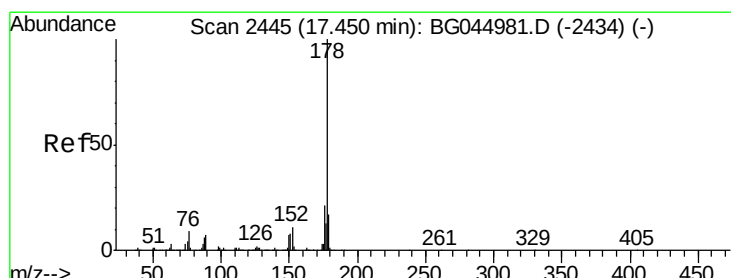
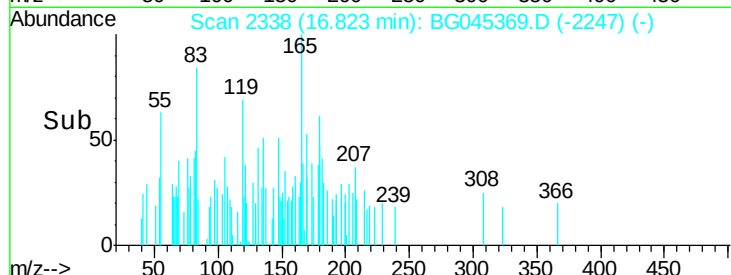
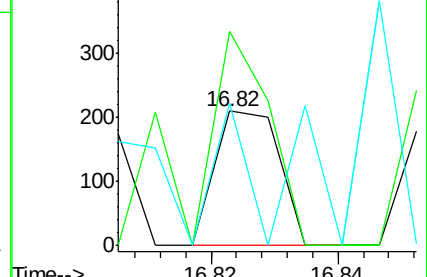
215 105.7 30.0 70.0#



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



#71

Phenanthrene

Concen: 4.694 ng

RT: 17.40 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

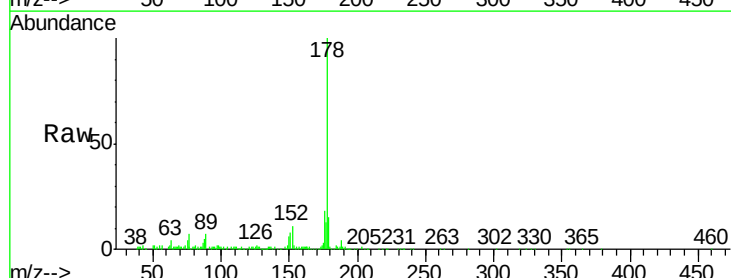
Tgt Ion:178 Resp: 109868

Ion Ratio Lower Upper

178 100

176 18.2 16.8 25.2

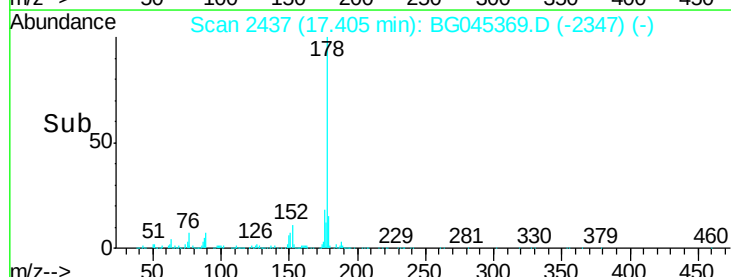
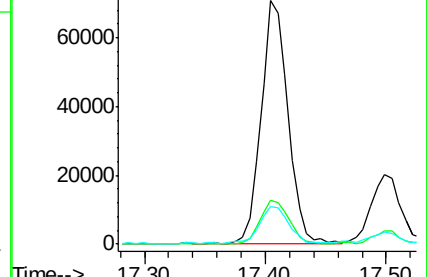
179 15.3 13.2 19.8

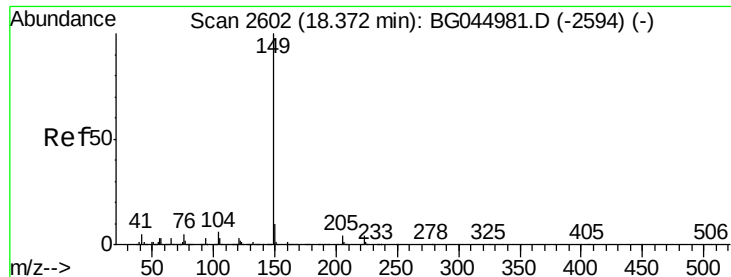


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2595

Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampled :

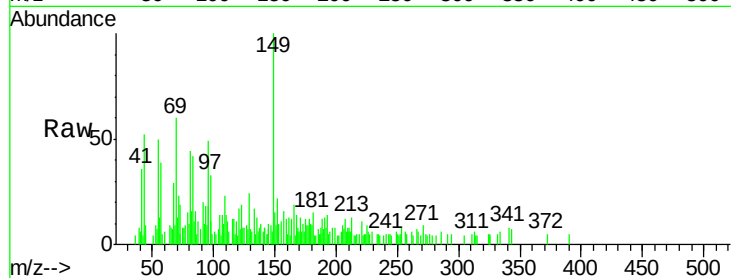
Tot Ion:149 Resp: 5760

Ion Ratio Lower Upper

149 100

150 14.7 8.2 12.2#

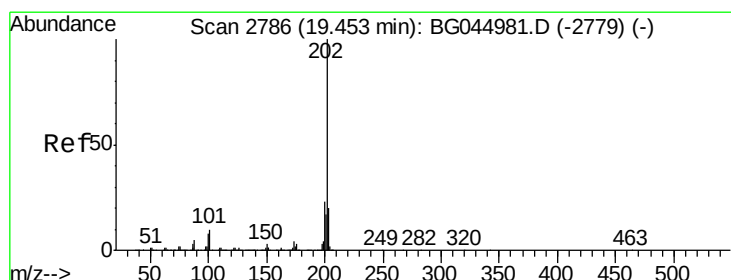
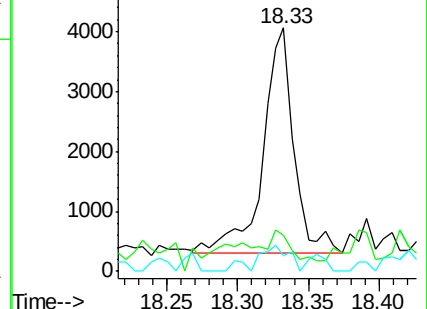
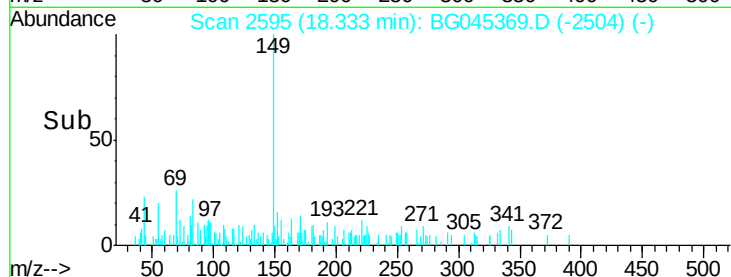
104 6.6 4.8 7.2



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: 6.992 ng

RT: 19.42 min Scan# 2780

Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

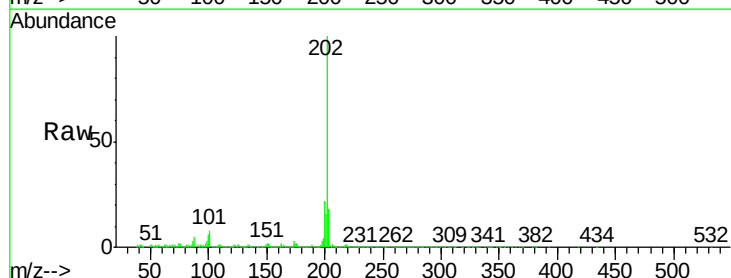
Tgt Ion:202 Resp: 335764

Ion Ratio Lower Upper

202 100

101 8.2 0.0 29.6

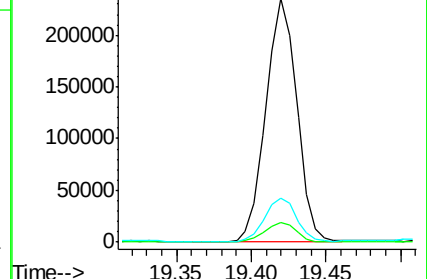
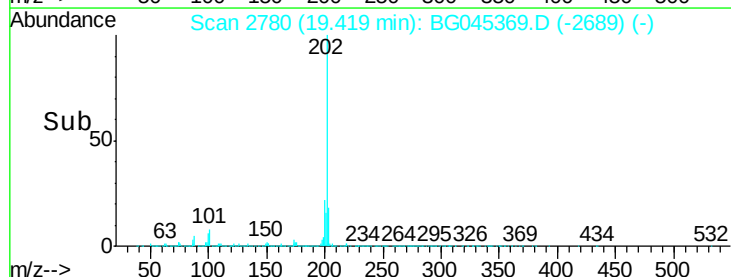
203 18.2 0.0 39.7

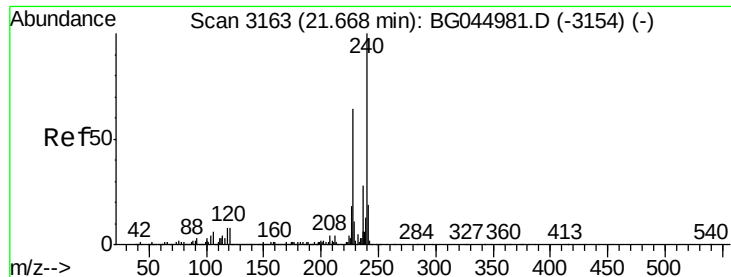


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.63 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

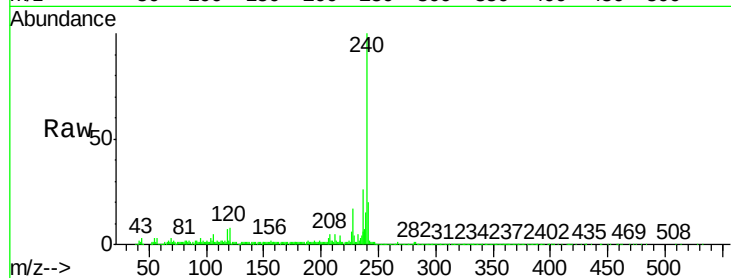
Tot Ion:240 Resp: 375987

Ion Ratio Lower Upper

240 100

120 7.7 6.6 10.0

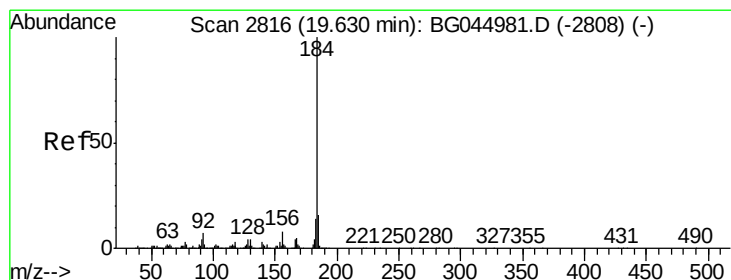
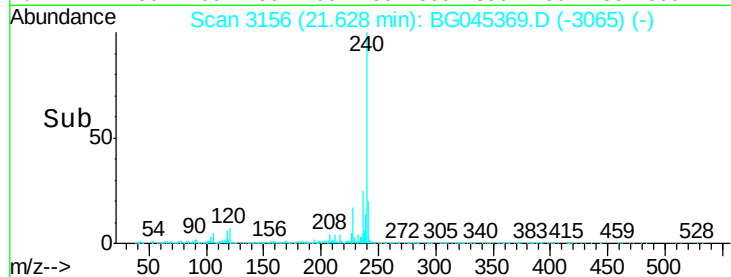
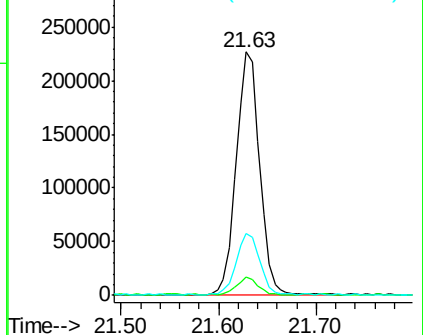
236 25.5 22.2 33.2



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: 19.47 min Scan# 2789

Delta R.T. -0.12 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

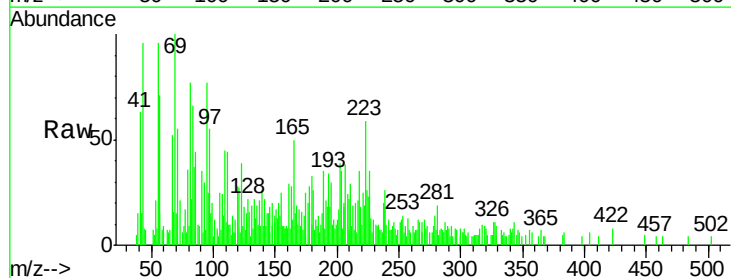
Tgt Ion:184 Resp: 847

Ion Ratio Lower Upper

184 100

185 157.4 12.6 19.0#

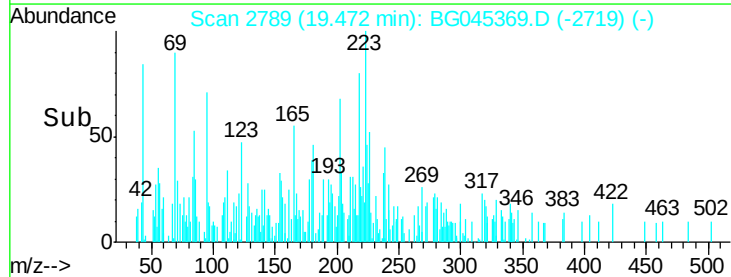
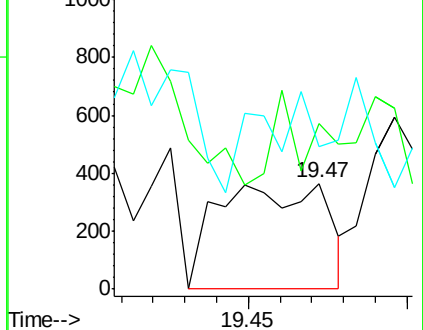
183 135.2 11.3 16.9#

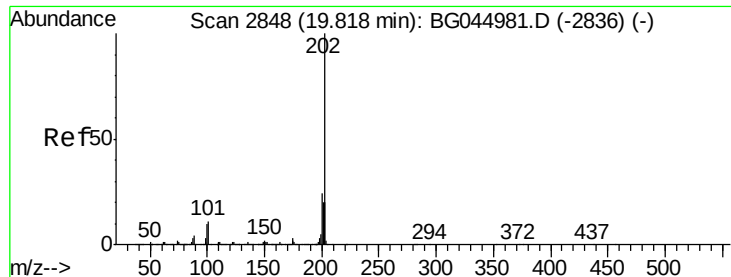


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 11.943 ng

RT: 19.78 min Scan# 2841

Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampled :

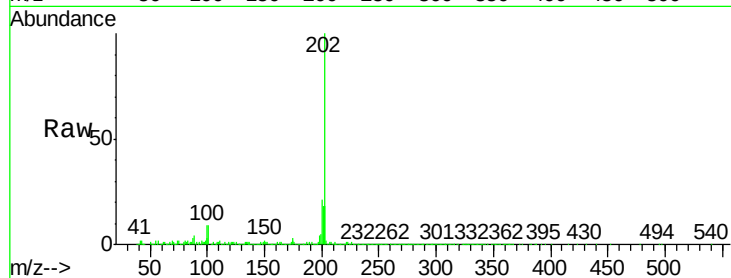
Tot Ion:202 Resp: 309569

Ion Ratio Lower Upper

202 100

200 21.2 19.0 28.6

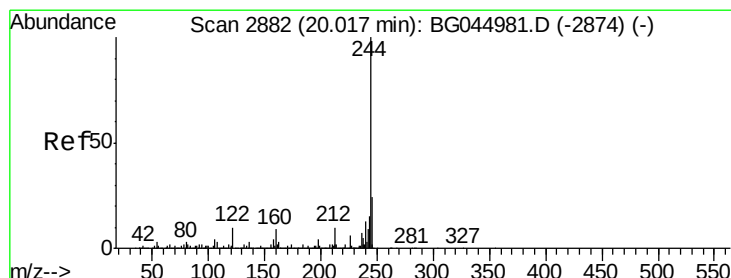
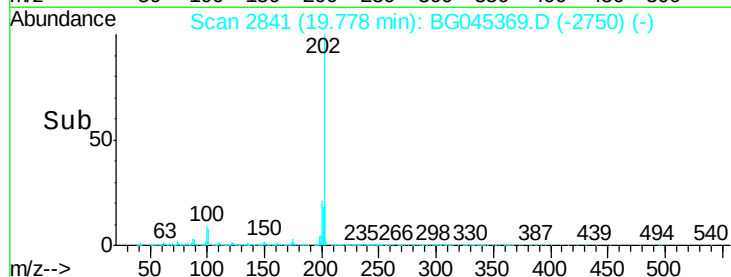
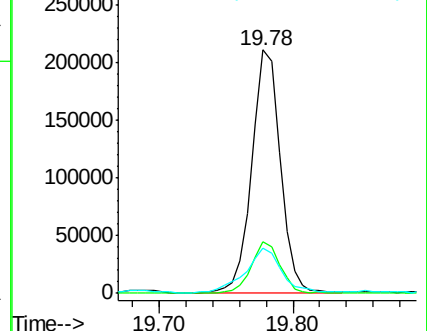
203 18.4 16.1 24.1



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: 68.999 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

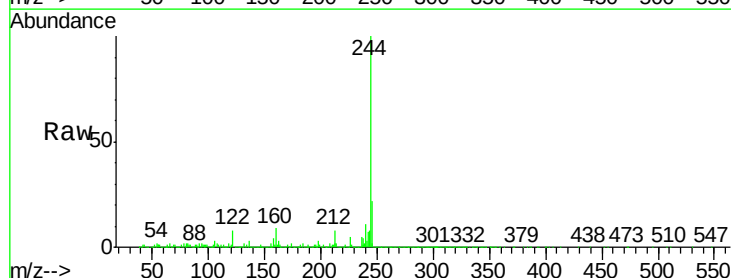
Tgt Ion:244 Resp: 1190269

Ion Ratio Lower Upper

244 100

212 8.4 7.9 11.9

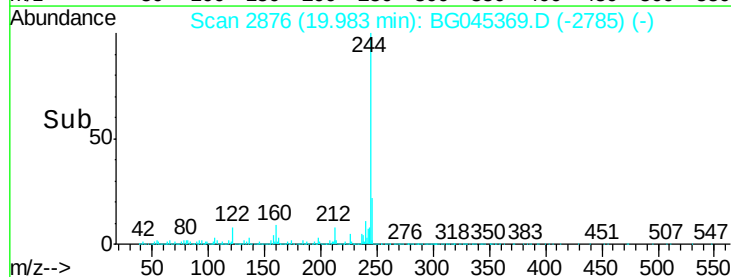
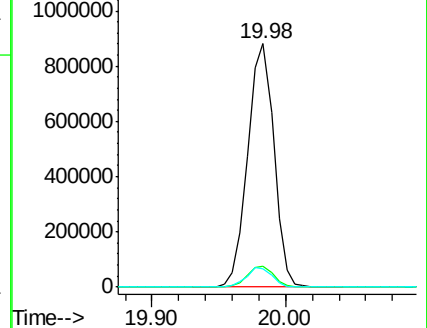
122 7.7 7.7 11.5

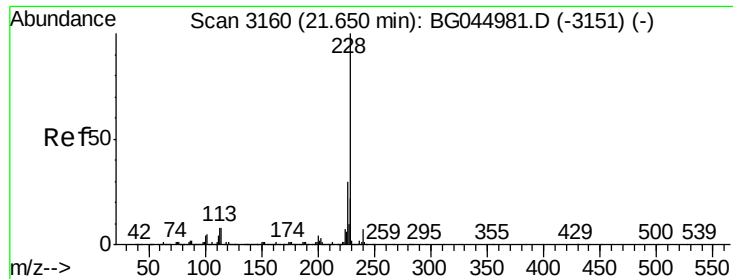


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 8.591 ng

RT: 21.61 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG045369.D

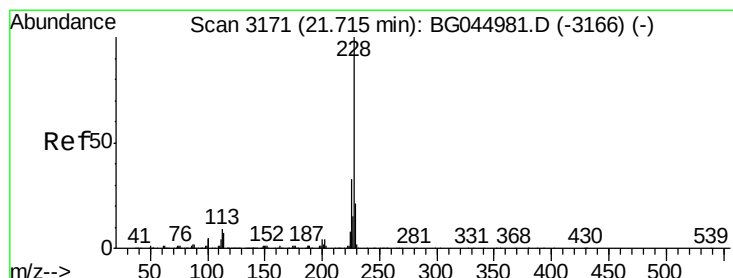
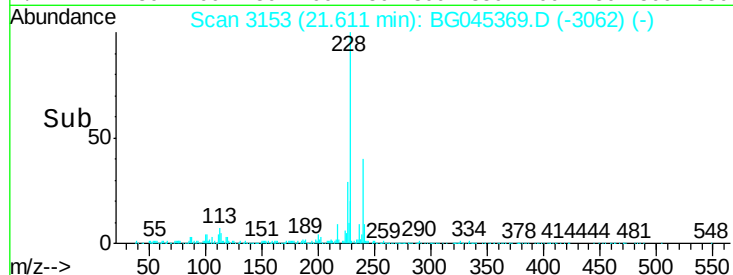
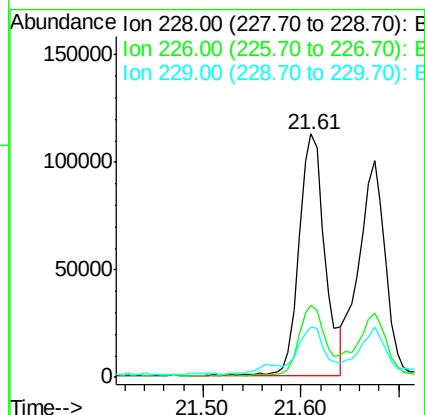
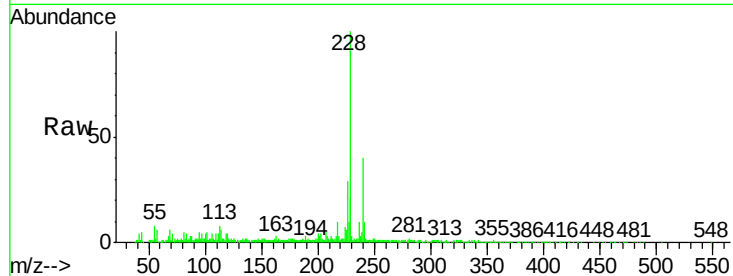
Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion:228	Resp:	209366
Ion	Ratio	Lower Upper
228	100	
226	29.4	24.0 36.0
229	20.9	17.5 26.3



#83

Chrysene

Concen: 8.148 ng

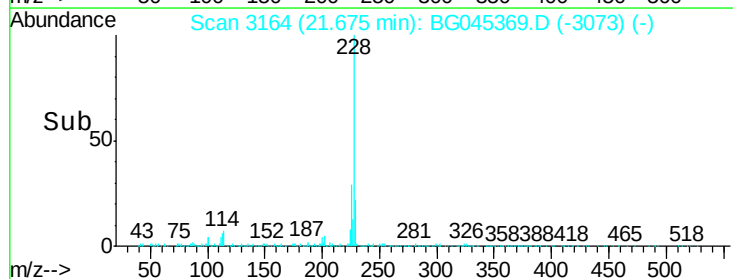
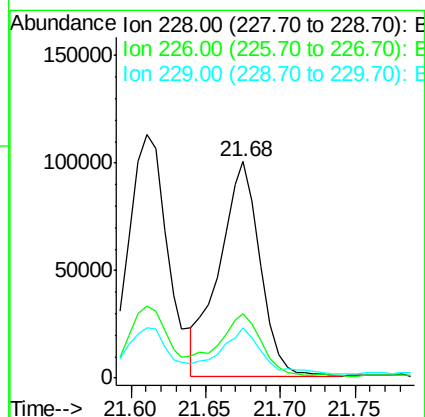
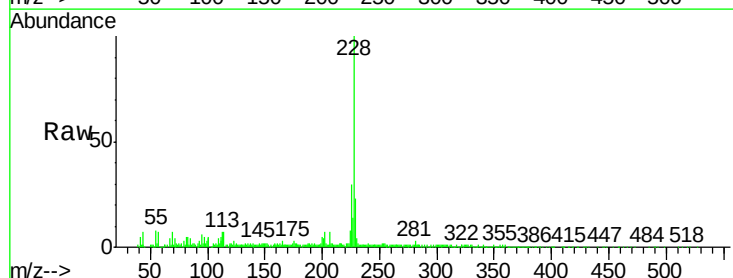
RT: 21.68 min Scan# 3164

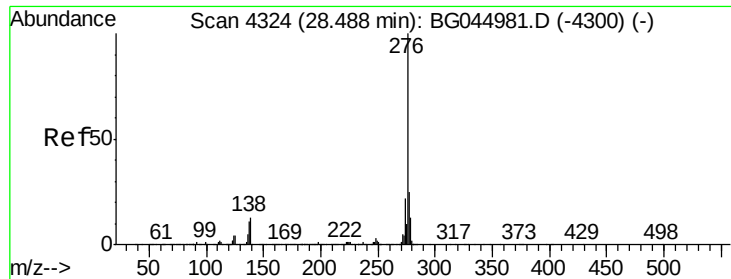
Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Tgt Ion:228	Resp:	190786
Ion	Ratio	Lower Upper
228	100	
226	29.9	26.2 39.4
229	23.0	17.0 25.6





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.858 ng

RT: 28.39 min Scan# 4307

Delta R.T. 0.01 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

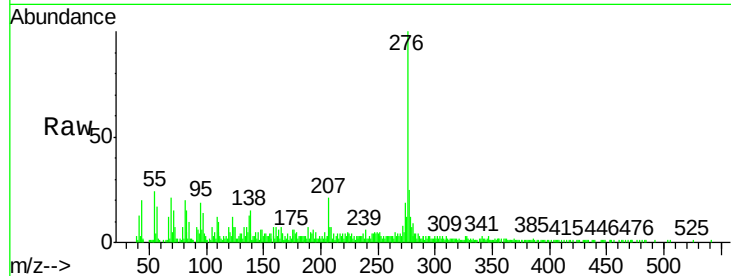
Tot Ion:276 Resp: 119920

Ion Ratio Lower Upper

276 100

138 8.9 9.6 14.4#

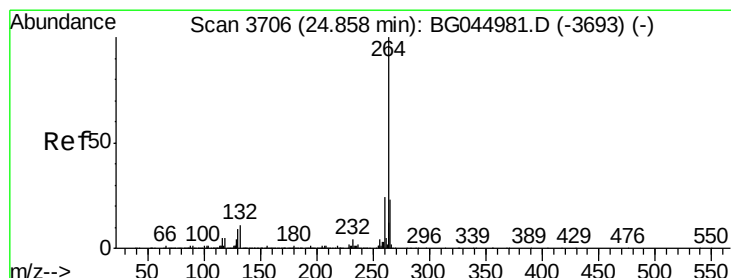
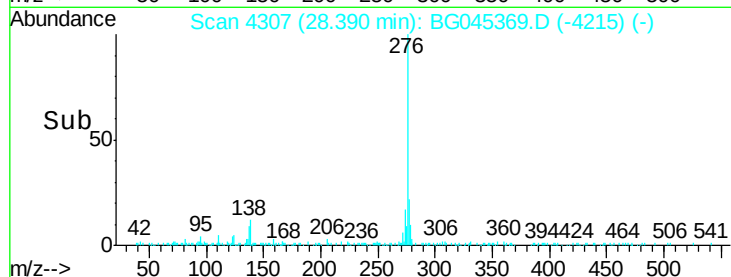
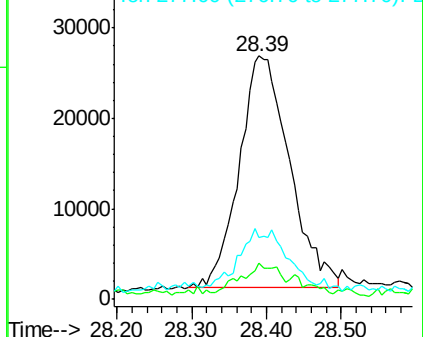
277 13.8 20.6 31.0#



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: 24.81 min Scan# 3697

Delta R.T. 0.02 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

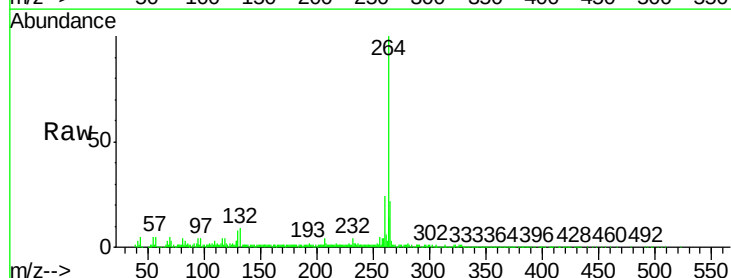
Tgt Ion:264 Resp: 410975

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

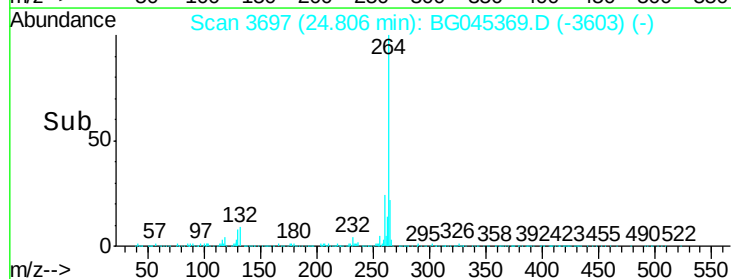
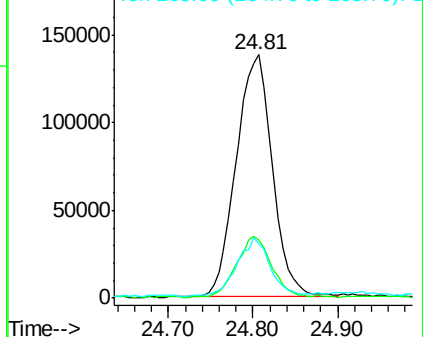
265 22.3 19.0 28.4

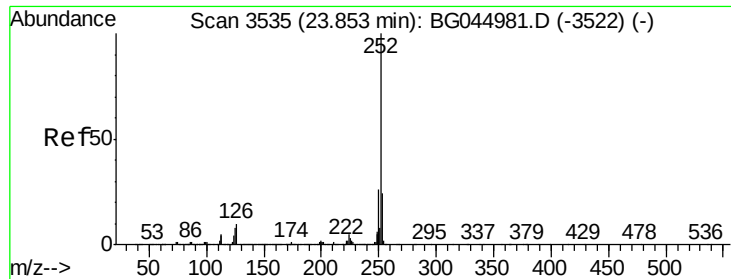


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 11.145 ng

RT: 23.80 min Scan# 3525

Delta R.T. 0.01 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

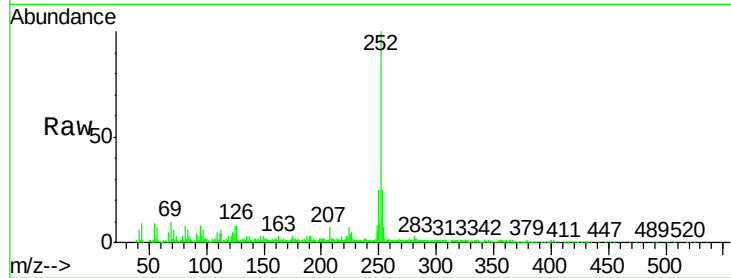
Tot Ion:252 Resp: 286898

Ion Ratio Lower Upper

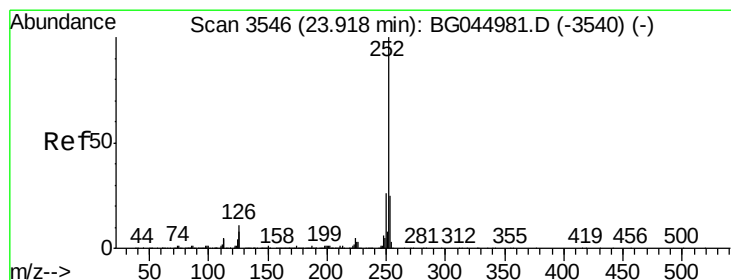
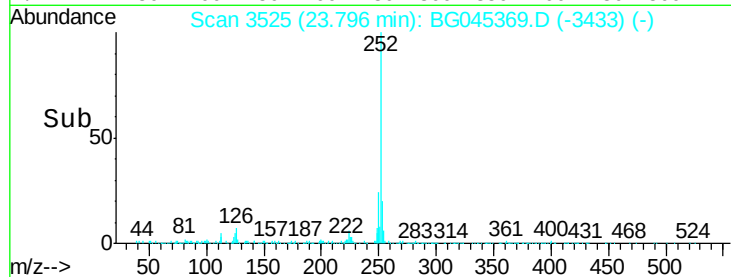
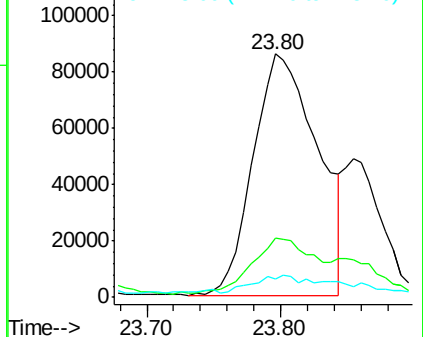
252 100

253 24.5 18.8 28.2

125 7.8 6.2 9.4



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: 11.719 ng

RT: 23.80 min Scan# 3525

Delta R.T. -0.06 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

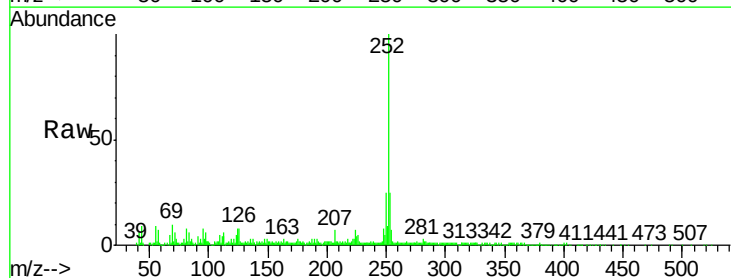
Tgt Ion:252 Resp: 286898

Ion Ratio Lower Upper

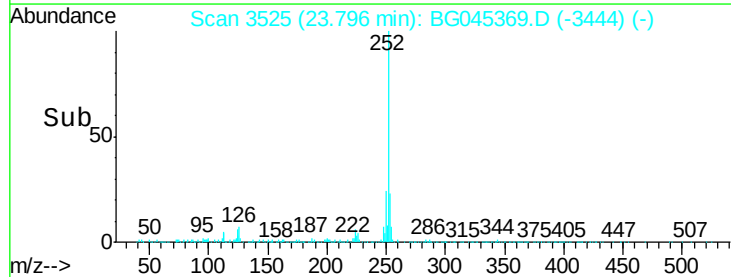
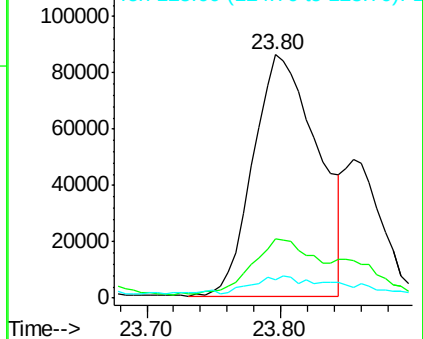
252 100

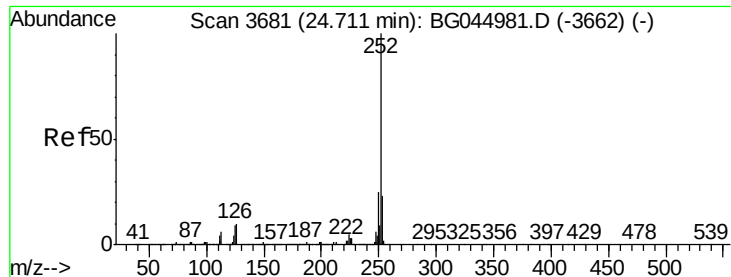
253 24.5 19.2 28.8

125 7.8 5.9 8.9



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





#90

Benzo(a)pyrene

Concen: 8.053 ng

RT: 24.65 min Scan# 3671

Delta R.T. 0.02 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

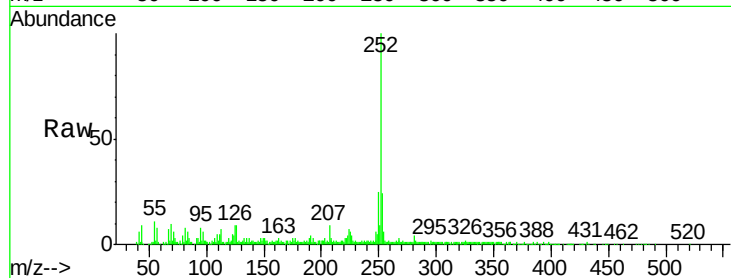
Instrument :

BNA_G

ClientSampleId :

Tot Ion:252 Resp: 195745

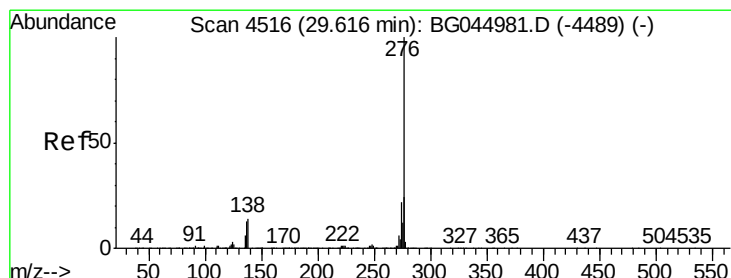
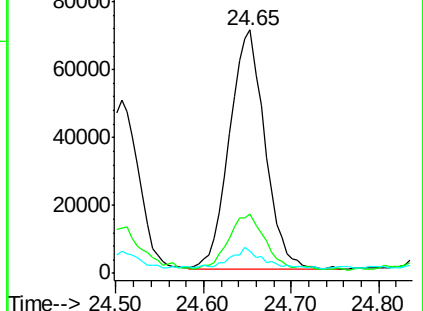
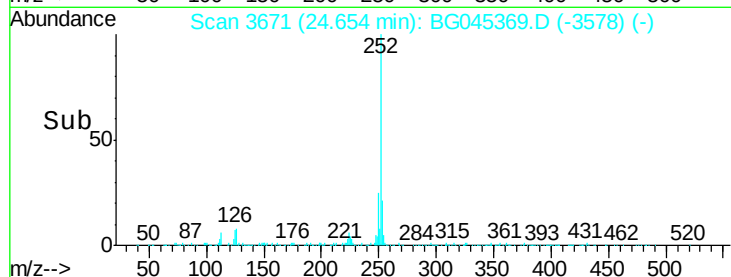
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.3	27.5
125	9.2	7.0	10.6



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: 4.675 ng

RT: 29.51 min Scan# 4497

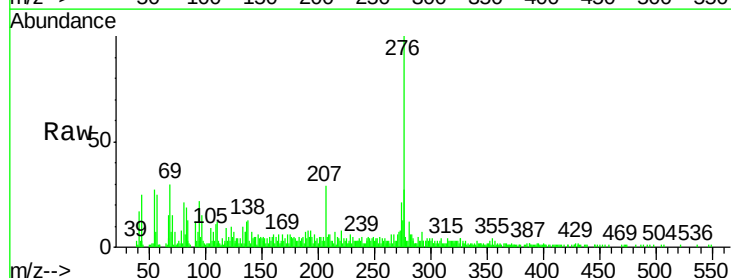
Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Tgt Ion:276 Resp: 114791

Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.3	28.9
138	13.3	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

