

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052620\
 Data File : BG045468.D
 Acq On : 26 May 2020 22:19
 Operator : CG/JU
 Sample : L2744-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 27 00:59:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 14:16:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	93534	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	374805	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	260822	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	542602	20.00	ng	0.00
76) Chrysene-d12	21.61	240	505225	20.00	ng	0.00
87) Perylene-d12	24.76	264	546926	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	482071	100.72	ng	0.00
7) Phenol-d6	7.18	99	725485	106.50	ng	0.00
23) Nitrobenzene-d5	9.12	82	494976	72.02	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	342278	102.61	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1148327	74.68	ng	0.00
79) Terphenyl-d14	19.97	244	1613853	74.50	ng	0.00

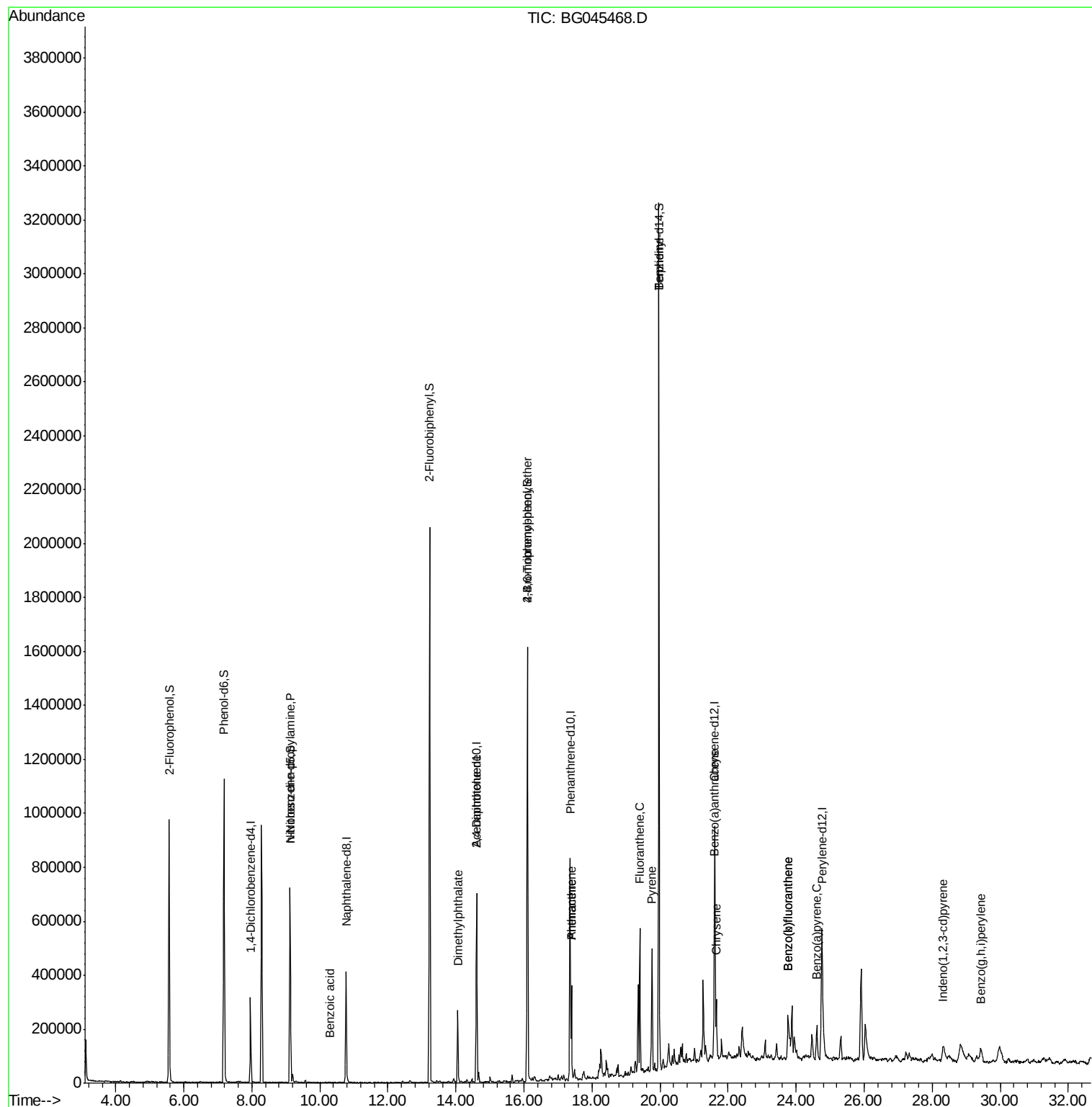
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.12	70	67848	14.403	ng	# 78
32) Benzoic acid	10.31	122	64	10.038	ng	# 1
50) Dimethylphthalate	14.05	163	181455	10.142	ng	98
57) 2,4-Dinitrotoluene	14.61	165	32870	5.621	ng	# 23
67) 4-Bromophenyl-phenylether	16.10	248	23653	4.026	ng	# 1
71) Phenanthrene	17.40	178	223499	9.435	ng	98
72) Anthracene	17.40	178	223499	9.396	ng	98
75) Fluoranthene	19.40	202	337072	11.188	ng	96
77) Benzidine	19.96	184	29696	2.093	ng	# 92
78) Pyrene	19.76	202	302183	10.492	ng	98
81) Benzo(a)anthracene	21.59	228	166334	5.910	ng	95
83) Chrysene	21.65	228	159856	5.907	ng	98
86) Indeno(1,2,3-cd)pyrene	28.32	276	98908	2.795	ng	# 96
88) Benzo(b)fluoranthene	23.77	252	201851	6.882	ng	# 99
89) Benzo(k)fluoranthene	23.77	252	201851	7.325	ng	99
90) Benzo(a)pyrene	24.61	252	144425	5.287	ng	# 92
92) Benzo(a,h,i)perylene	29.43	276	99951	3.640	ng	95

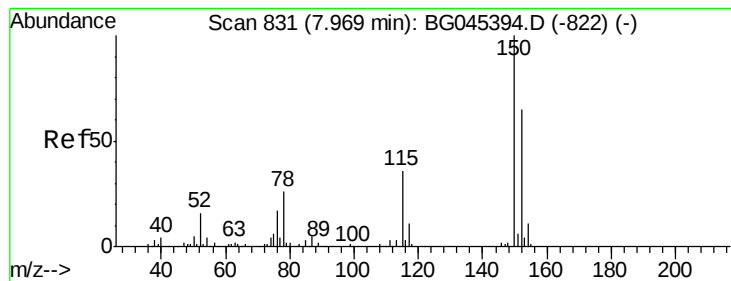
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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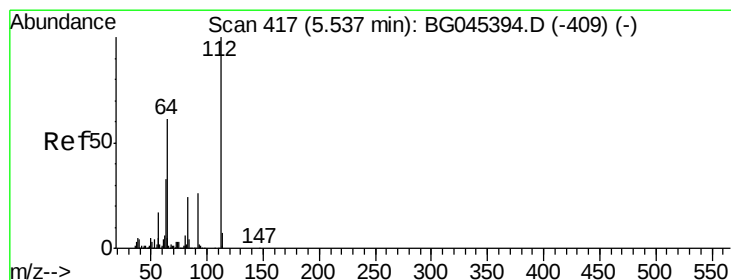
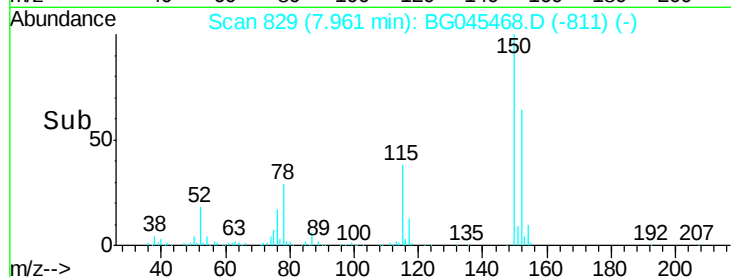
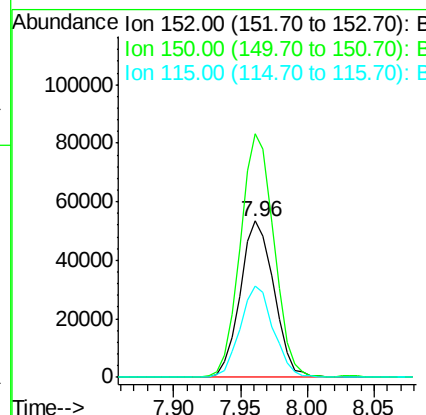
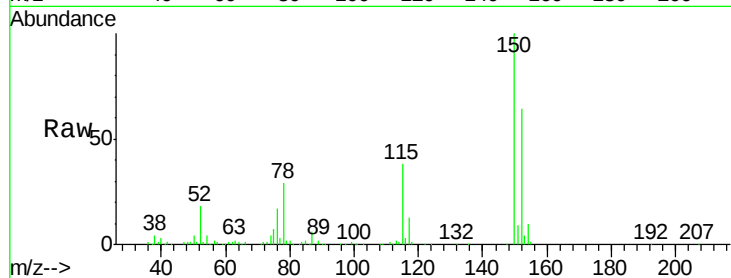


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045468.D
Acq: 26 May 2020 22:19

Instrument :
BNA_G
ClientSampled :

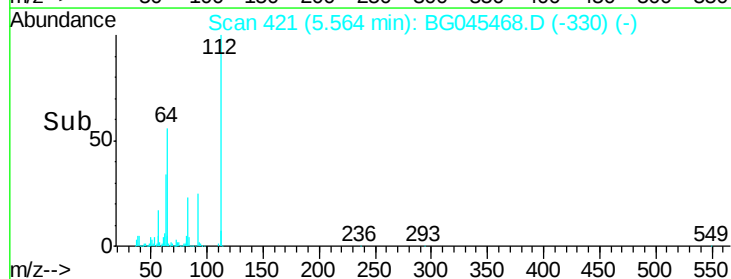
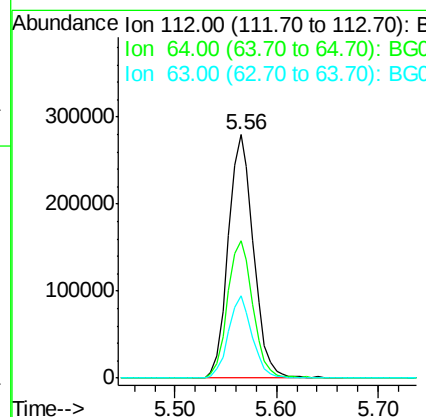
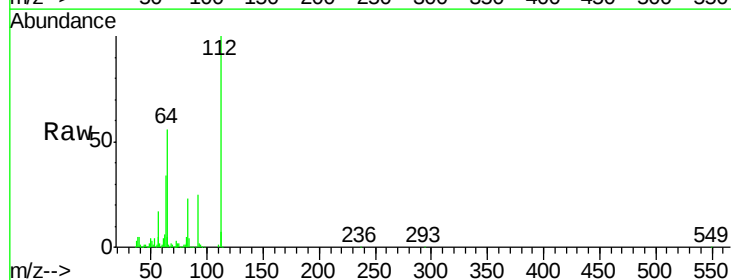
Tot Ion:152 Resp: 93534
Ion Ratio Lower Upper
152 100
150 156.1 122.4 183.6
115 58.9 44.2 66.4

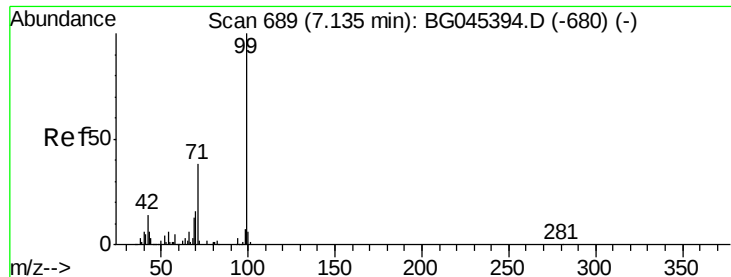


#5

2-Fluorophenol
Concen: 100.724 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045468.D
Acq: 26 May 2020 22:19

Tgt Ion:112 Resp: 482071
Ion Ratio Lower Upper
112 100
64 56.2 48.6 72.8
63 33.8 26.5 39.7





#7

Phenol-d6

Concen: 106.501 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

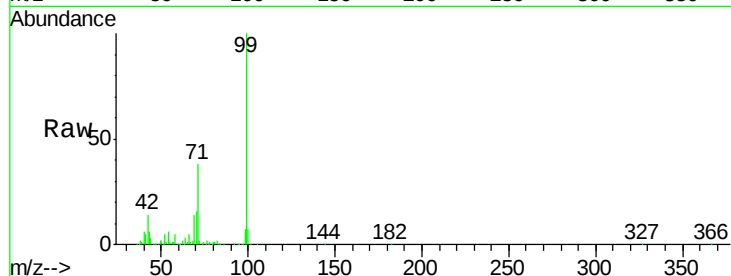
Tot Ion: 99 Resp: 725485

Ion Ratio Lower Upper

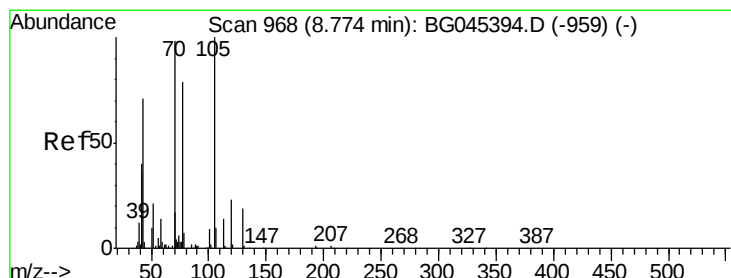
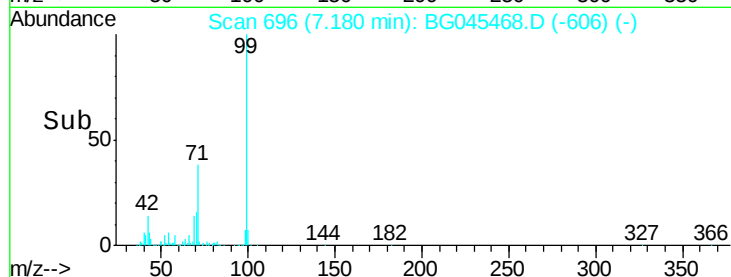
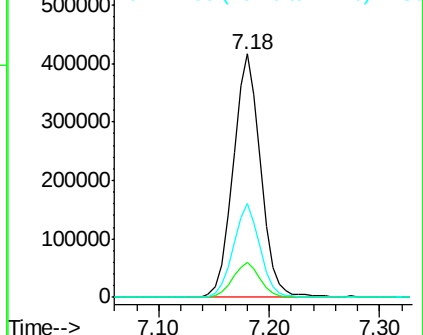
99 100

42 14.2 11.3 16.9

71 38.4 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.403 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Tgt Ion: 70 Resp: 67848

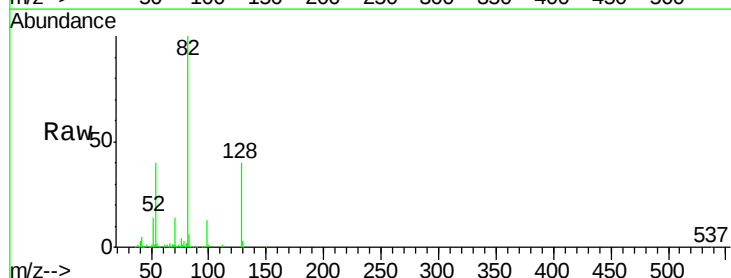
Ion Ratio Lower Upper

70 100

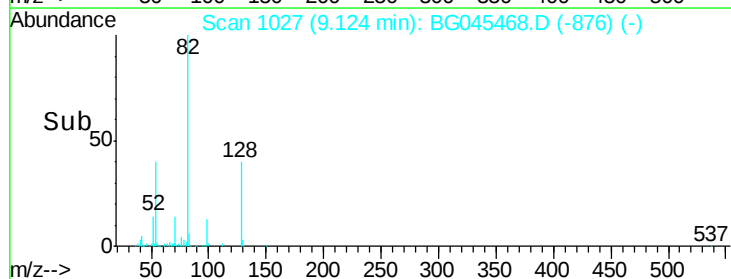
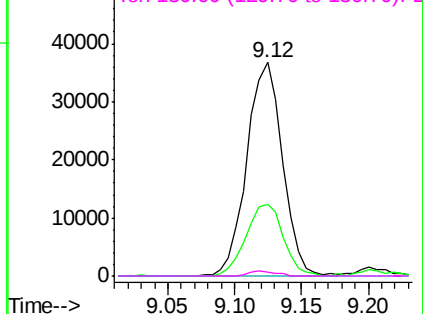
42 33.8 33.2 49.8

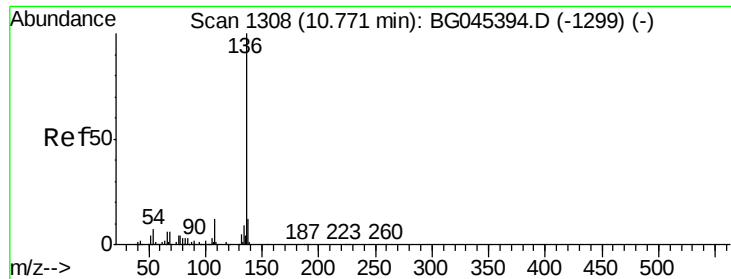
101 0.0 7.8 11.6#

130 1.5 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

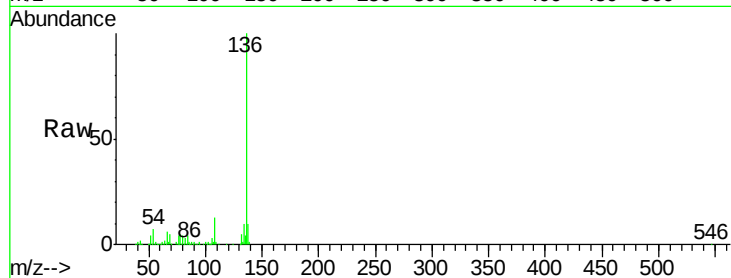




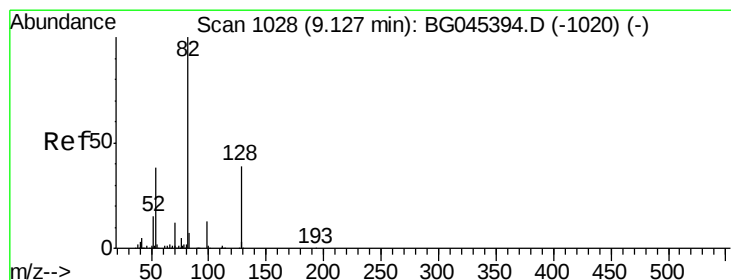
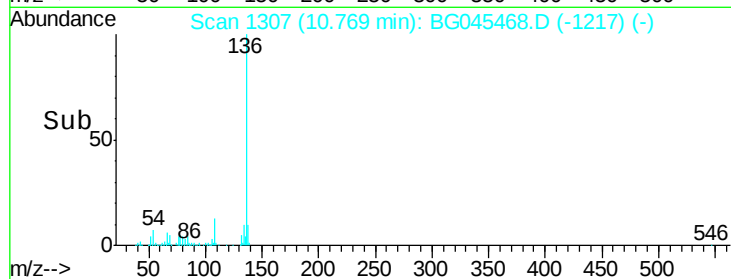
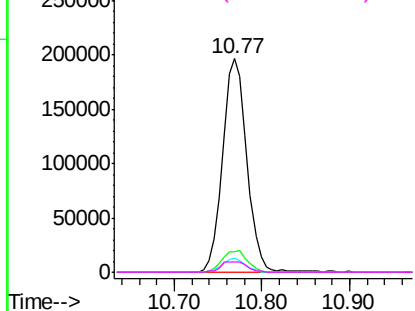
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG045468.D
Acq: 26 May 2020 22:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	374805	
Ion Ratio	Lower	Upper	
136 100			
137 9.9	9.4	14.2	
54 6.7	5.8	8.6	
68 5.1	4.5	6.7	

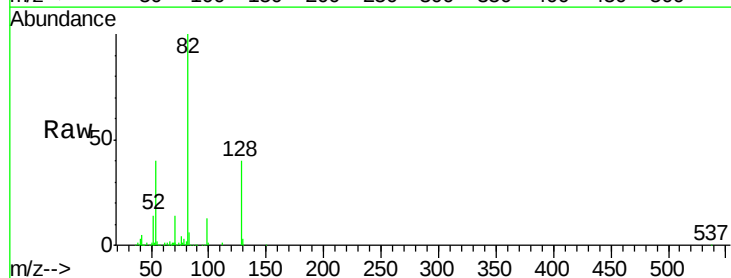


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

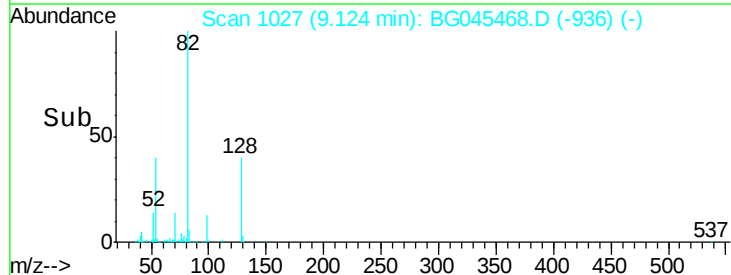
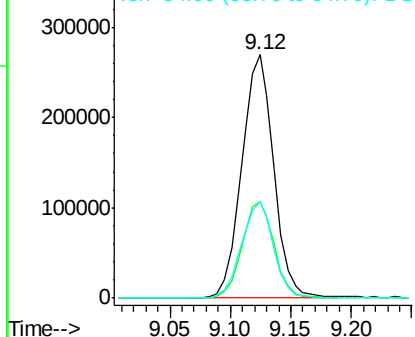


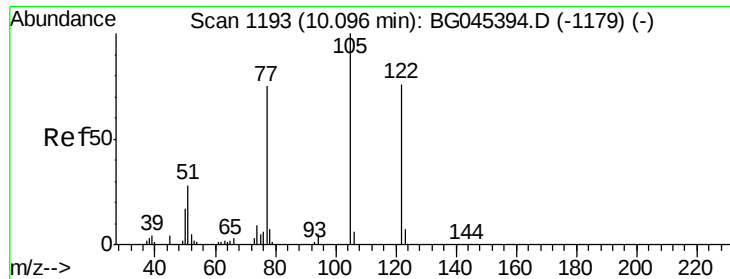
#23
Nitrobenzene-d5
Concen: 72.016 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG045468.D
Acq: 26 May 2020 22:19

Tgt Ion: 82	Resp: 494976
Ion Ratio	Lower Upper
82 100	
128 39.6	30.9 46.3
54 39.7	30.3 45.5



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

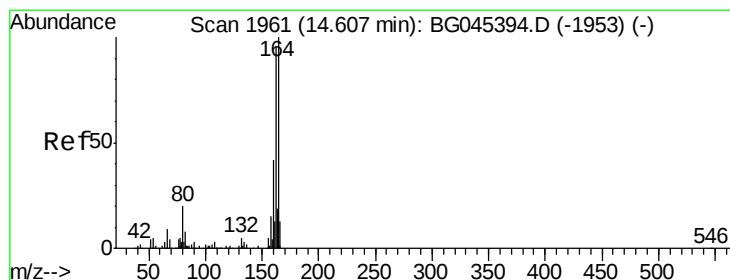
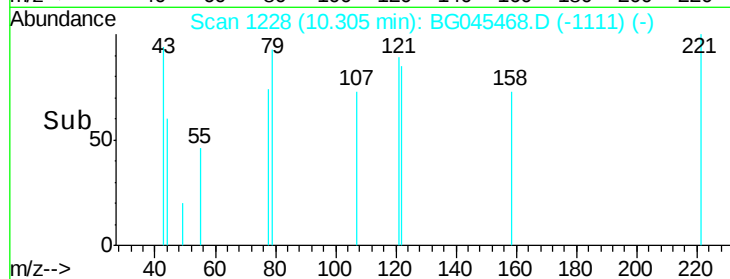
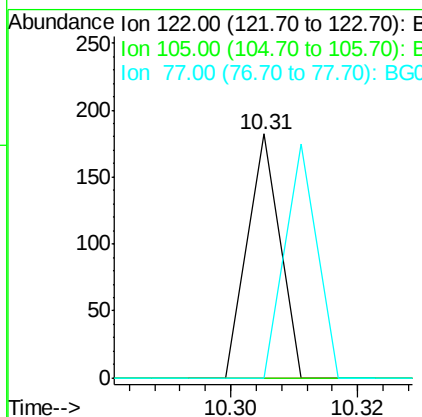
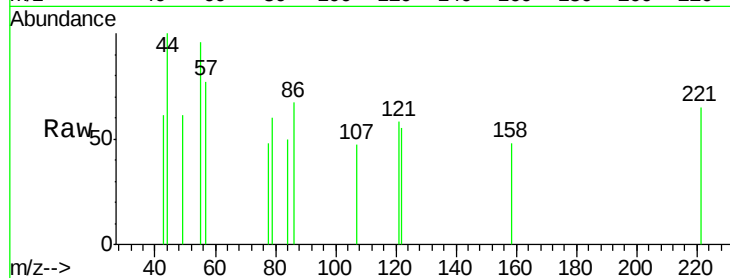




#32
Benzoic acid
Concen: 10.038 ng
RT: 10.31 min Scan# 1228
Delta R.T. 0.16 min
Lab File: BG045468.D
Acq: 26 May 2020 22:19

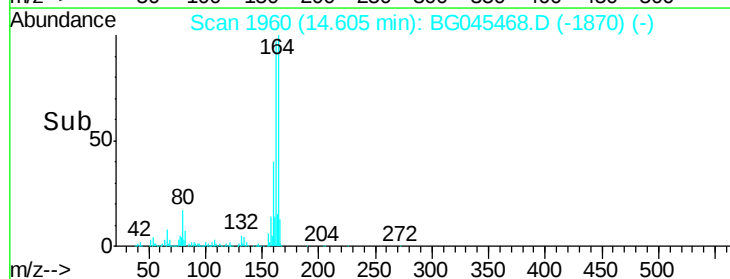
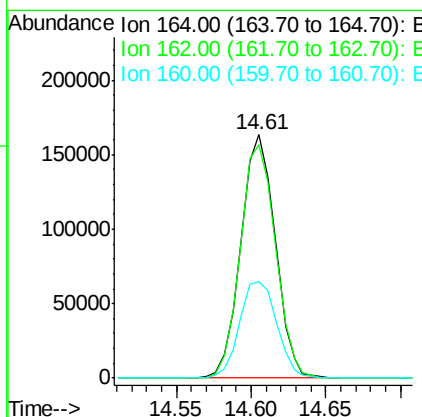
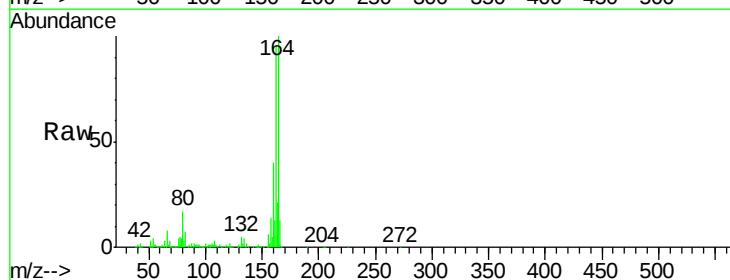
Instrument :
BNA_G
ClientSampleId :

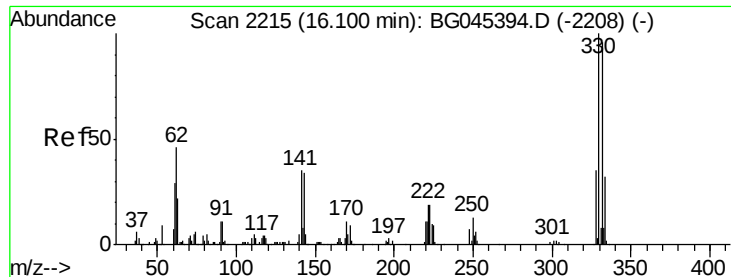
Tot Ion:122 Resp: 64
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.61 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG045468.D
Acq: 26 May 2020 22:19

Tgt Ion:164 Resp: 260822
Ion Ratio Lower Upper
164 100
162 95.8 76.9 115.3
160 39.8 33.8 50.8

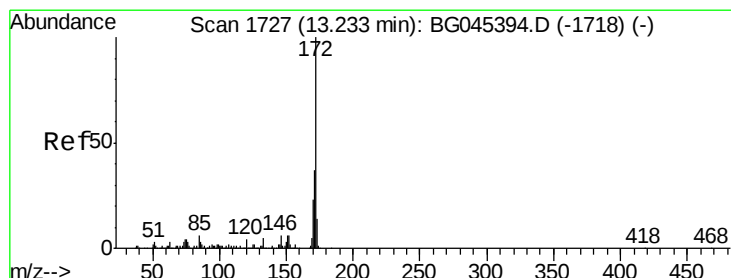
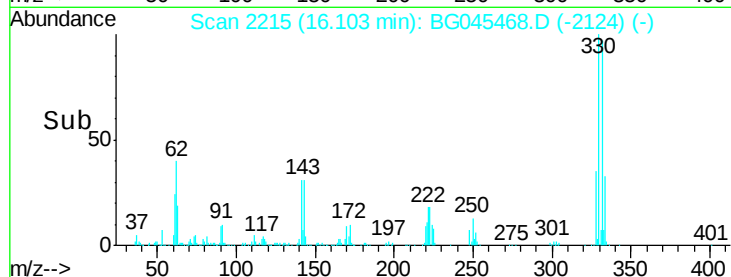
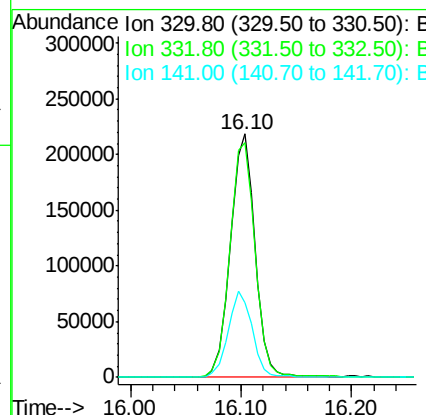
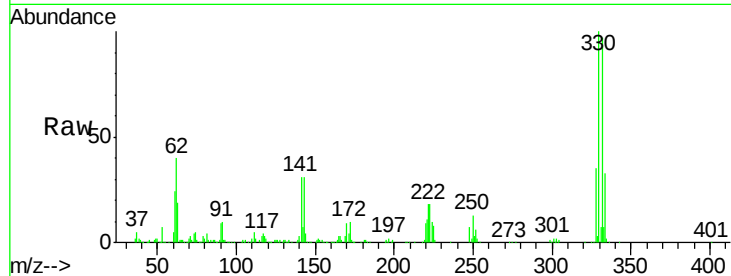




#42
 2,4,6-Tribromophenol
 Concen: 102.613 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: BG045468.D
 Acq: 26 May 2020 22:19

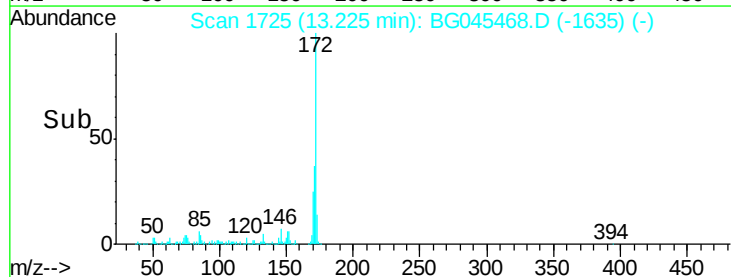
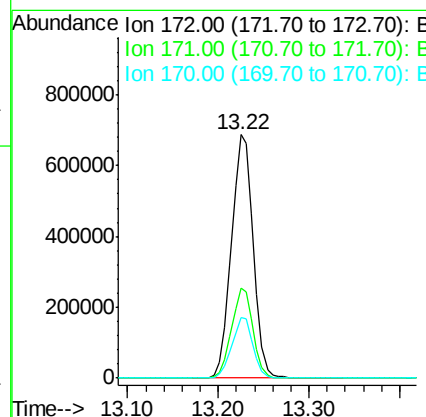
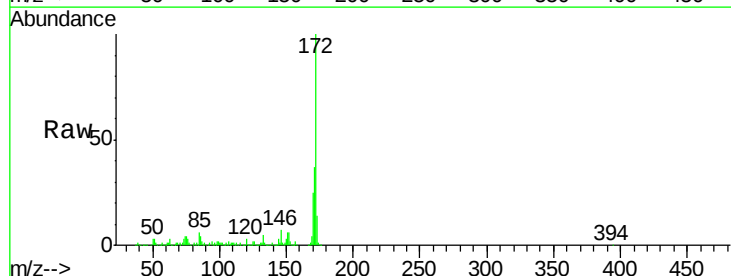
Instrument :
 BNA_G
 ClientSampled :

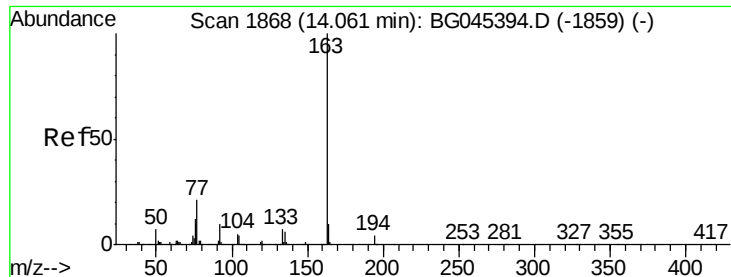
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.5	78.2	117.4
141	34.6	28.2	42.4



#45
 2-Fluorobiphenyl
 Concen: 74.679 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.00 min
 Lab File: BG045468.D
 Acq: 26 May 2020 22:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.5	44.3
170	24.8	18.5	27.7





#50

Dimethylphthalate

Concen: 10.142 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

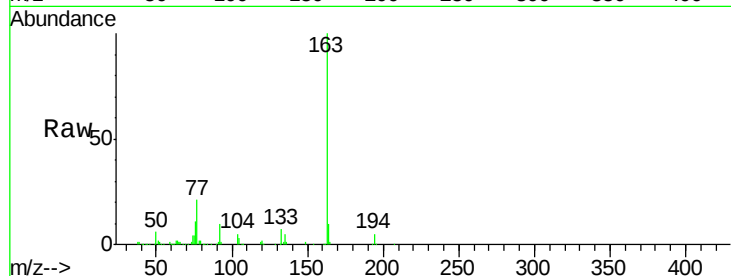
Tot Ion:163 Resp: 181455

Ion Ratio Lower Upper

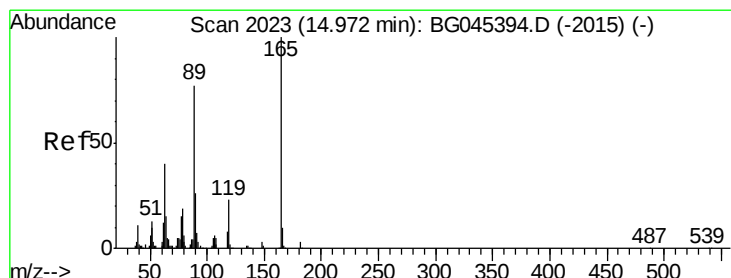
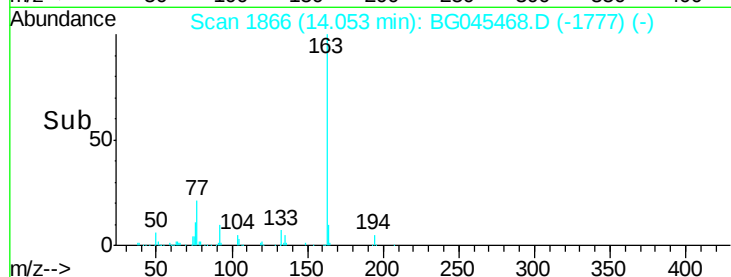
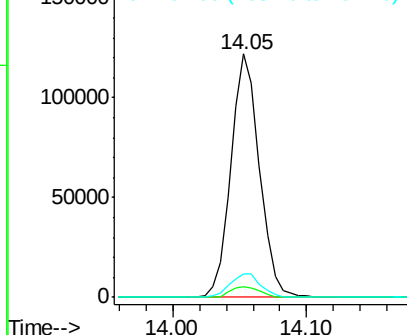
163 100

194 4.6 3.2 4.8

164 9.6 8.3 12.5



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: 5.621 ng

RT: 14.61 min Scan# 1960

Delta R.T. -0.36 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Tgt Ion:165 Resp: 32870

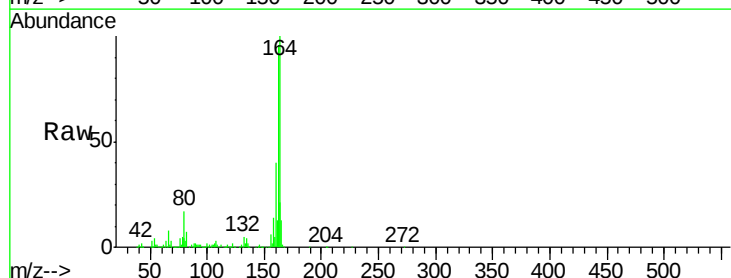
Ion Ratio Lower Upper

165 100

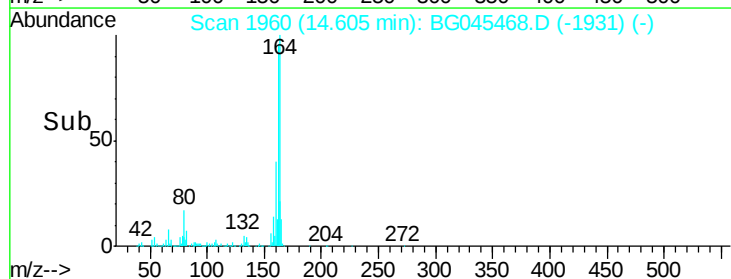
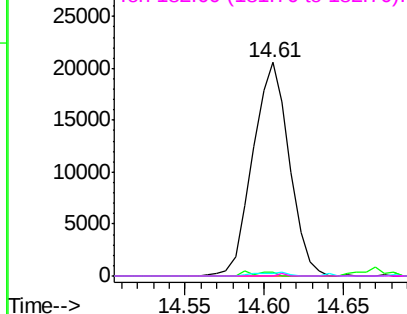
63 1.6 32.5 48.7#

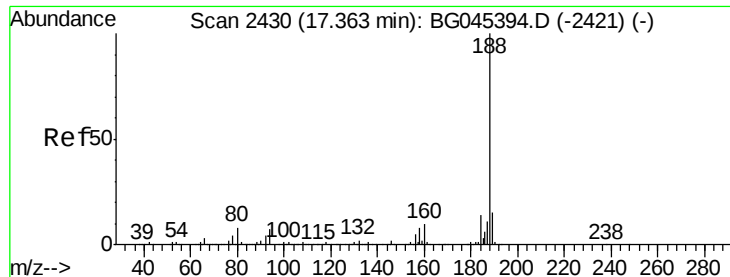
89 1.3 61.8 92.6#

182 0.0 2.3 3.5#



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: 17.35 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

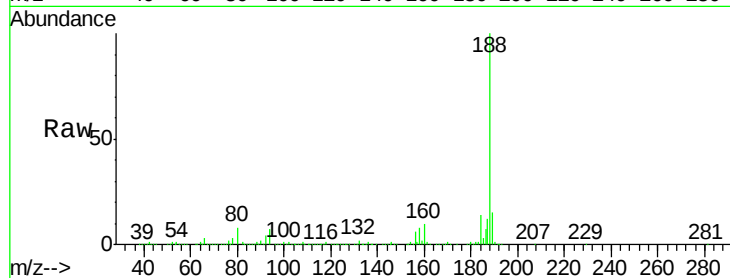
Tot Ion:188 Resp: 542602

Ion Ratio Lower Upper

188 100

94 6.9 5.5 8.3

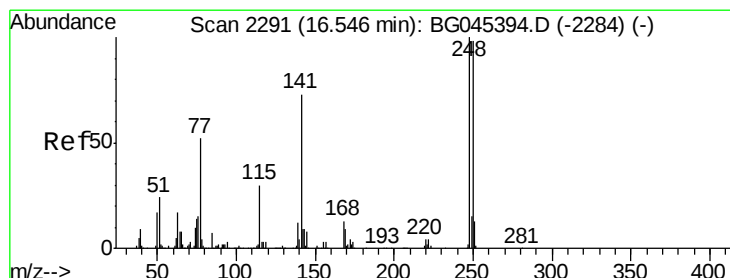
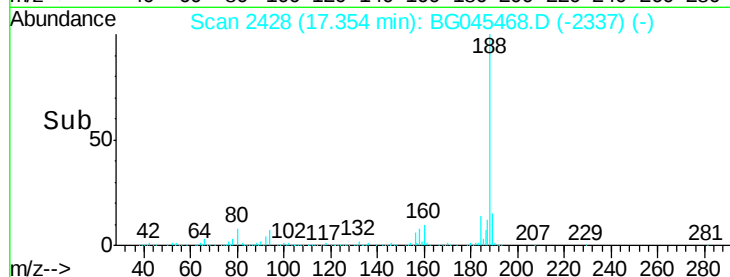
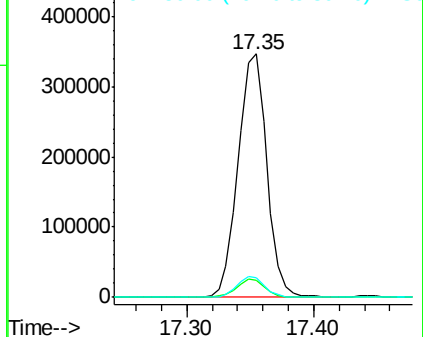
80 8.1 6.6 10.0



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: 4.026 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

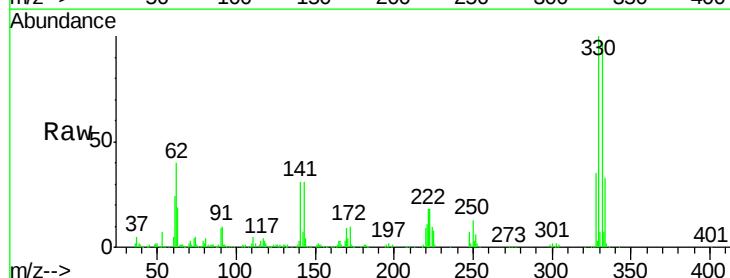
Tgt Ion:248 Resp: 23653

Ion Ratio Lower Upper

248 100

250 183.2 78.6 117.8#

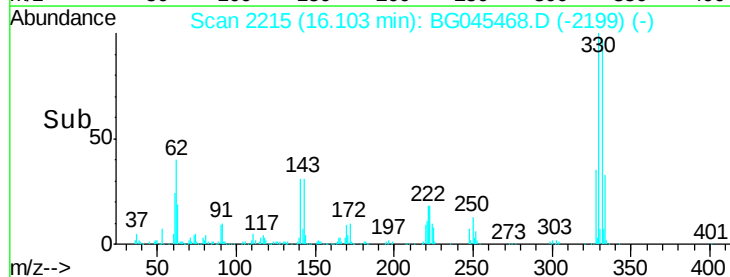
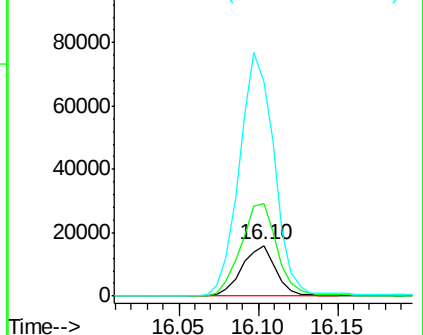
141 421.1 58.2 87.2#

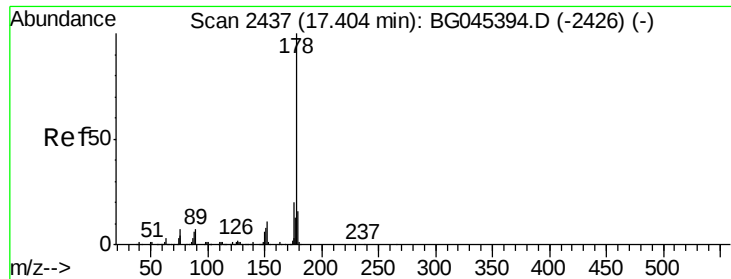


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 9.435 ng

RT: 17.40 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

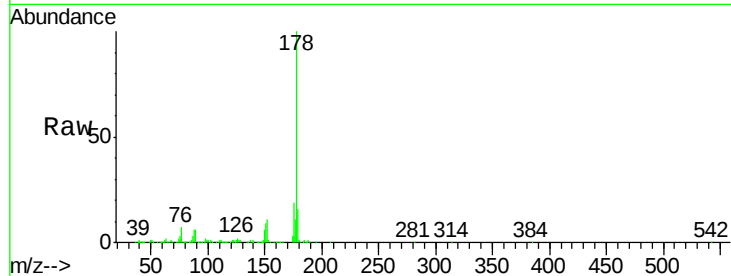
Tot Ion:178 Resp: 223499

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

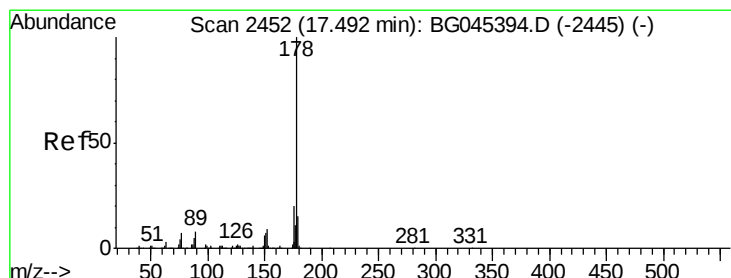
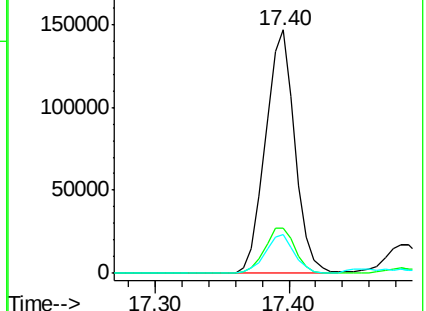
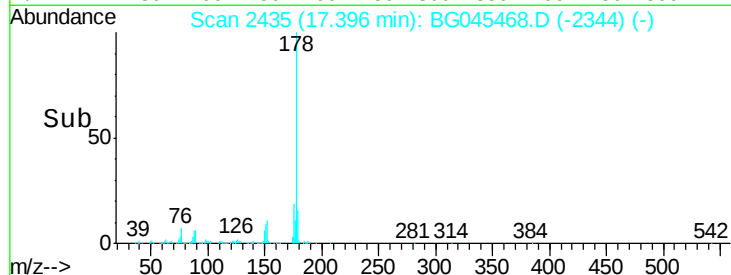
179 15.8 13.1 19.7



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



#72

Anthracene

Concen: 9.396 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.09 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

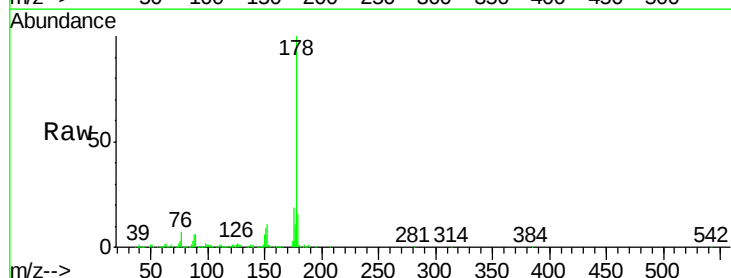
Tgt Ion:178 Resp: 223499

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

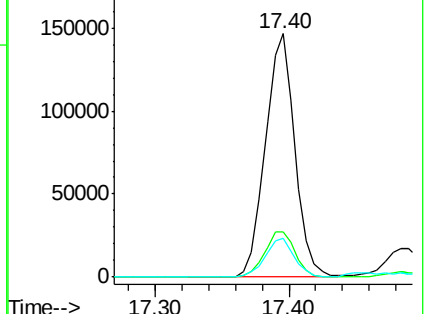
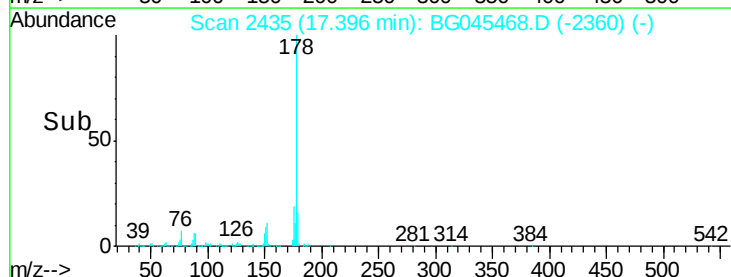
179 15.8 12.2 18.4

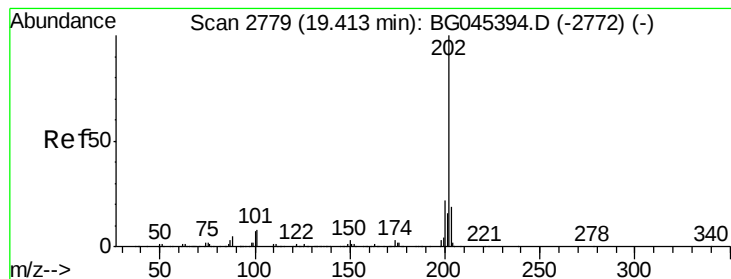


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.188 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

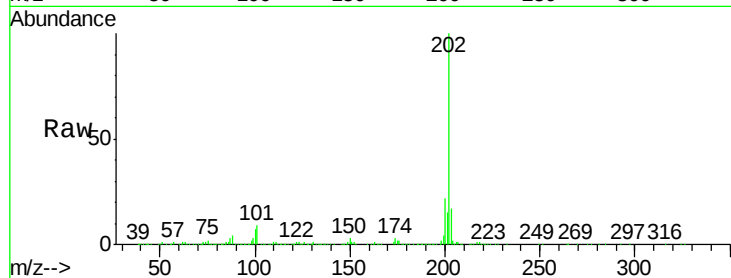
Tot Ion:202 Resp: 337072

Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.3

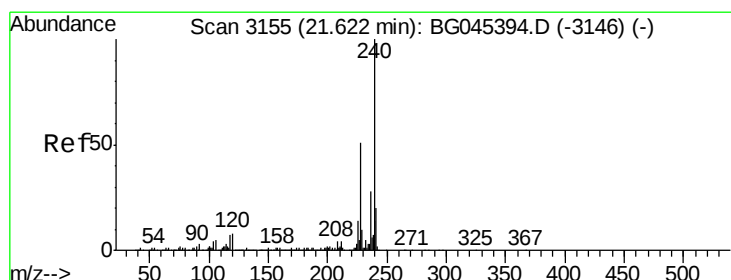
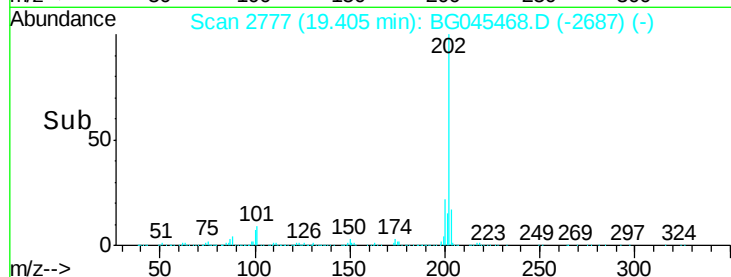
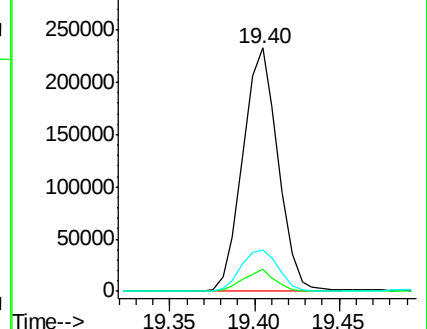
203 16.8 0.0 39.0



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: 21.61 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

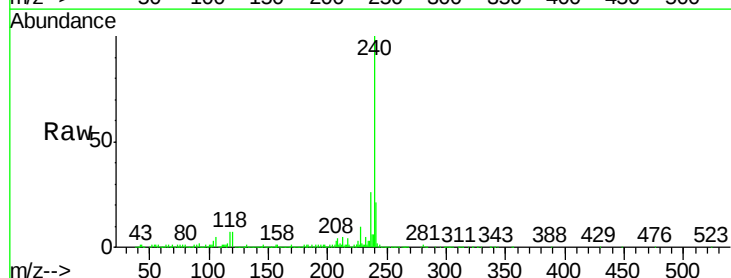
Tgt Ion:240 Resp: 505225

Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

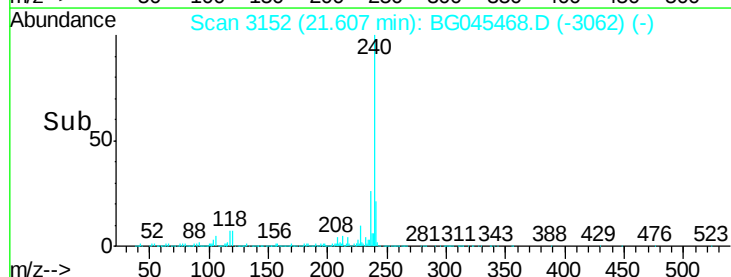
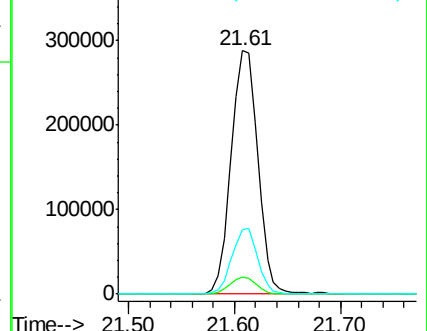
236 26.4 22.3 33.5

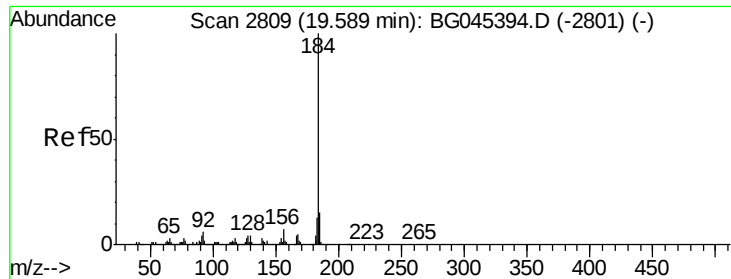


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.093 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

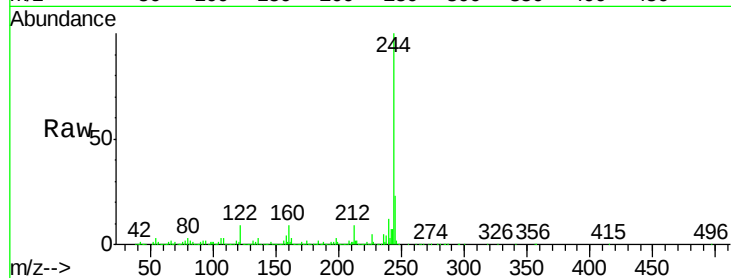
Tot Ion:184 Resp: 29696

Ion Ratio Lower Upper

184 100

185 16.2 11.7 17.5

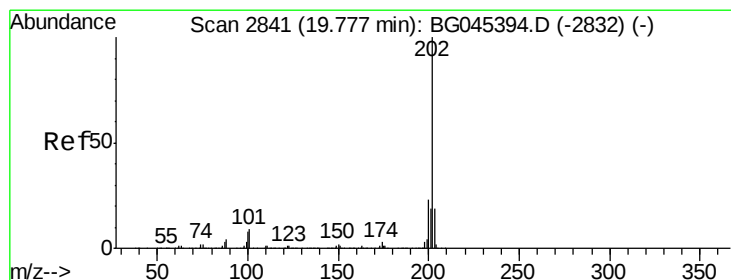
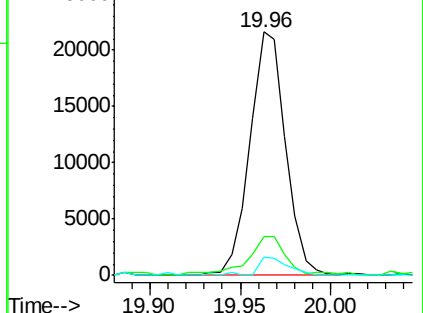
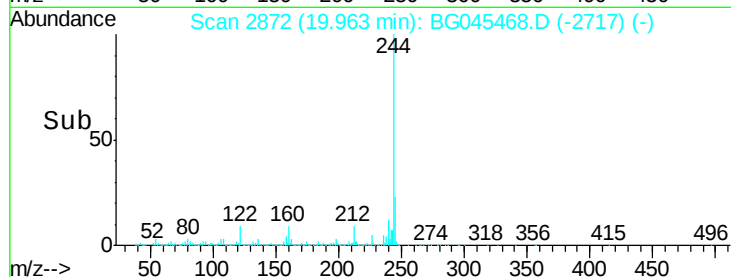
183 7.5 10.2 15.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 10.492 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

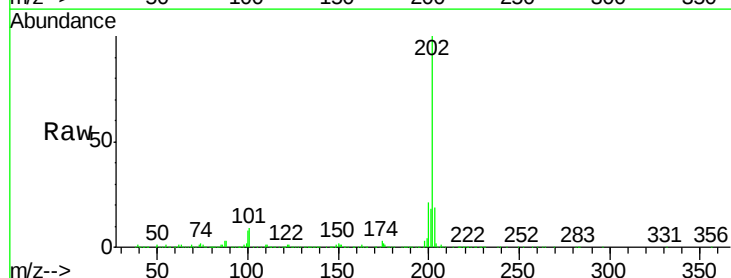
Tgt Ion:202 Resp: 302183

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.2

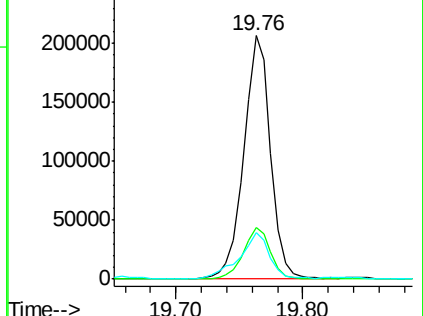
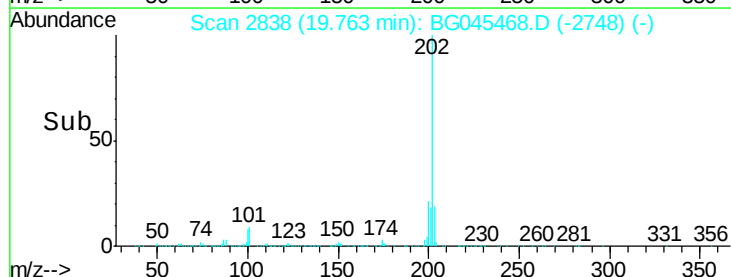
203 18.9 15.1 22.7

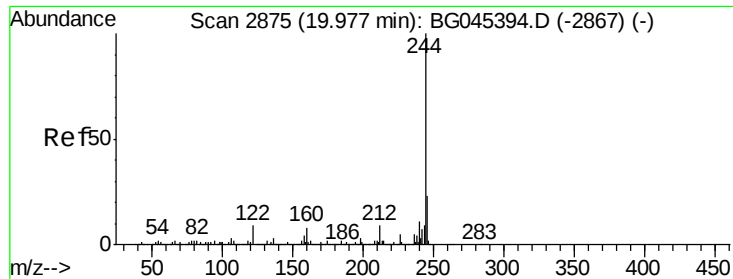


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.501 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

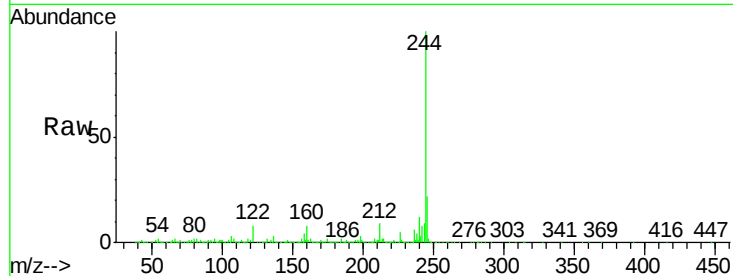
Tot Ion:244 Resp: 1613853

Ion Ratio Lower Upper

244 100

212 9.4 7.4 11.0

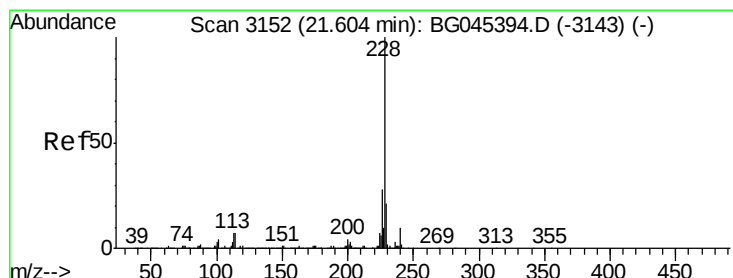
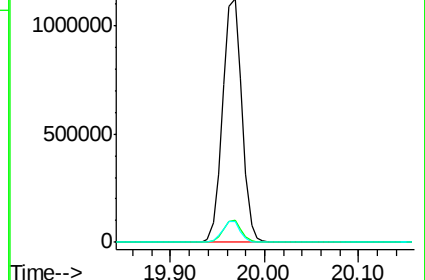
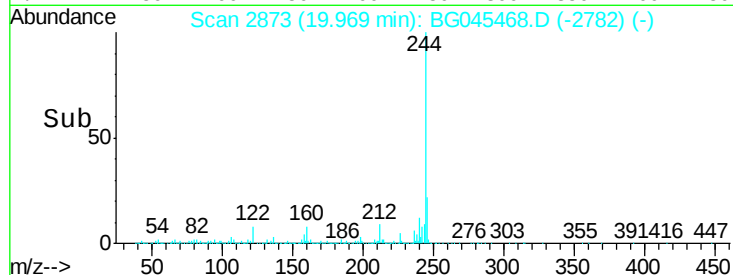
122 8.4 6.8 10.2



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: 5.910 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

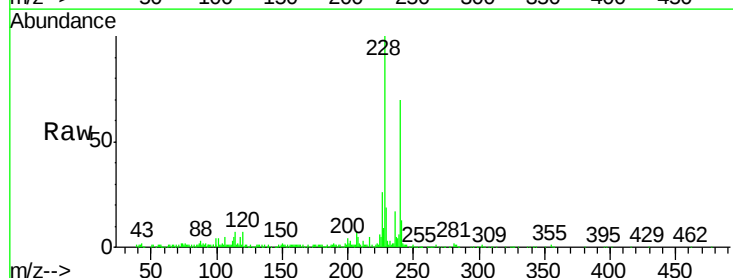
Tgt Ion:228 Resp: 166334

Ion Ratio Lower Upper

228 100

226 25.7 22.7 34.1

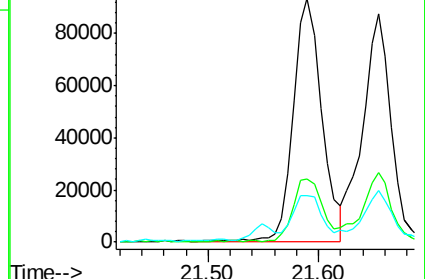
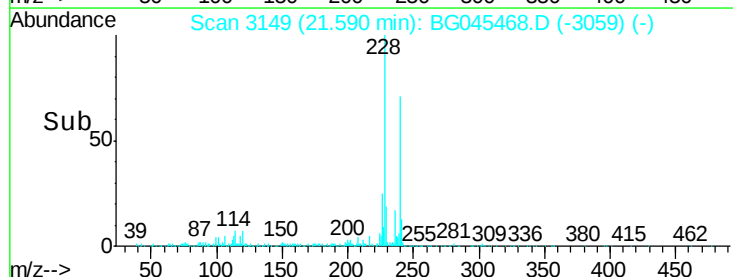
229 18.9 16.7 25.1

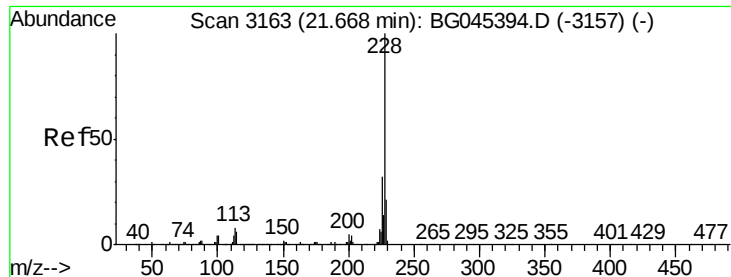


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.907 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

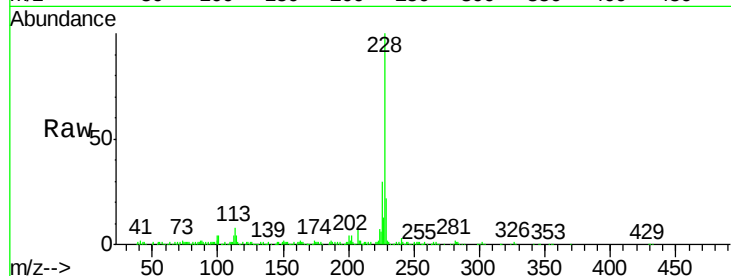
Tot Ion:228 Resp: 159856

Ion Ratio Lower Upper

228 100

226 30.5 25.2 37.8

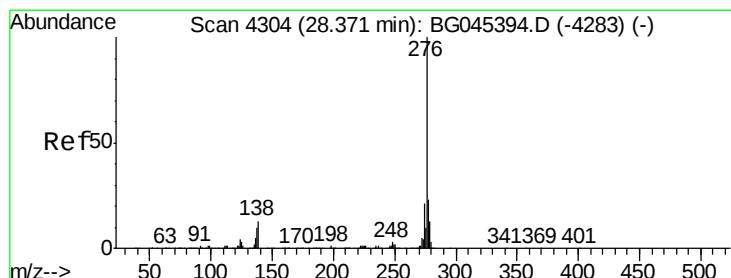
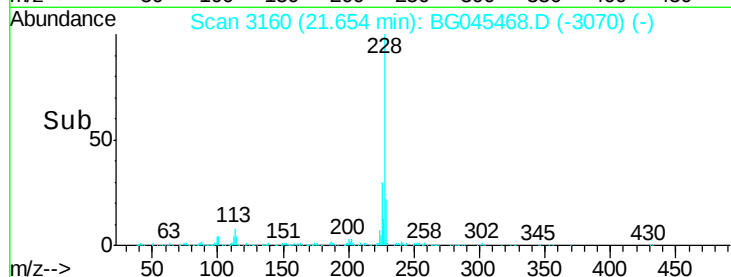
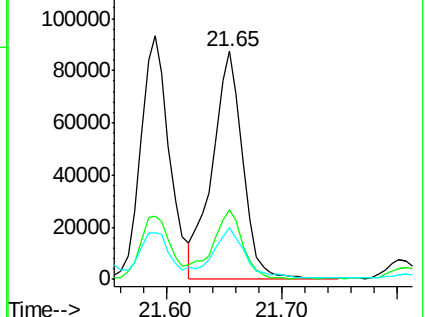
229 22.5 16.7 25.1



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.795 ng

RT: 28.32 min Scan# 4295

Delta R.T. -0.02 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

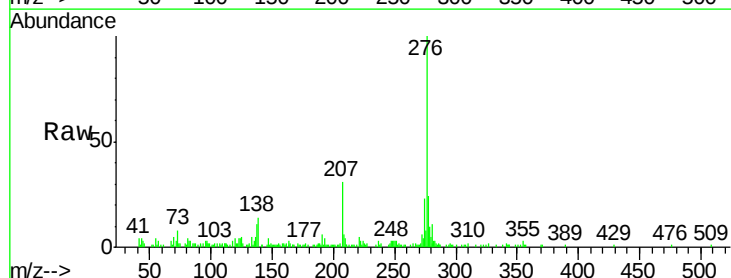
Tgt Ion:276 Resp: 98908

Ion Ratio Lower Upper

276 100

138 7.3 8.6 12.8#

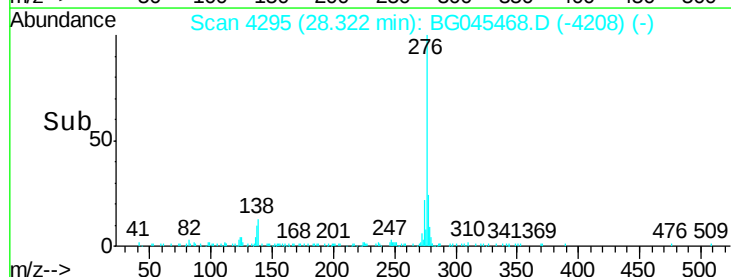
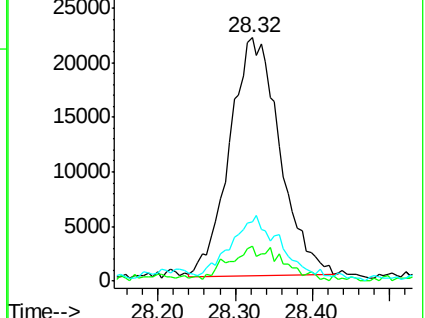
277 24.2 20.2 30.4

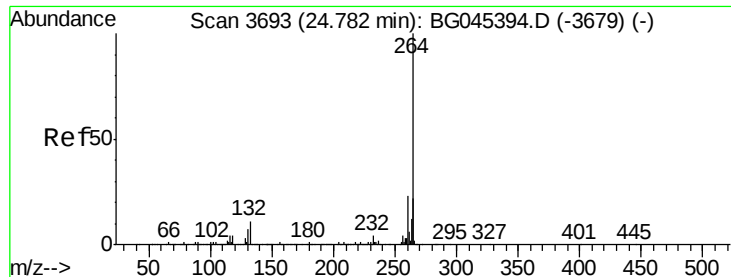


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3689

Delta R.T. 0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

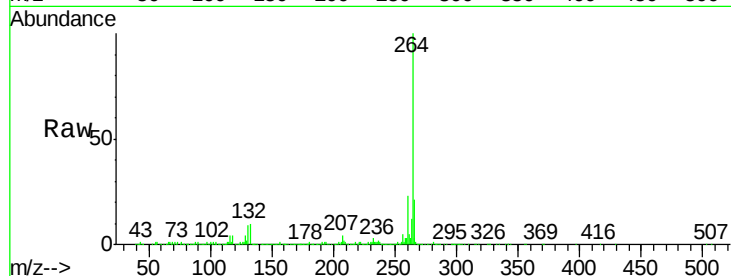
Tot Ion:264 Resp: 546926

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

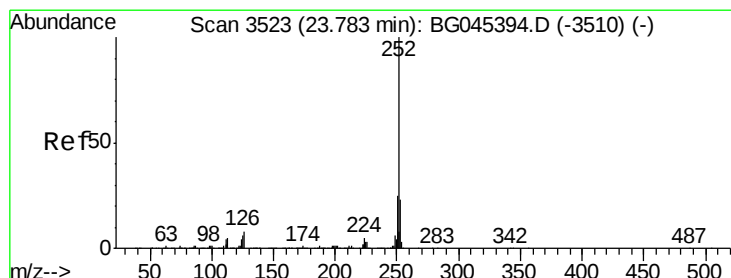
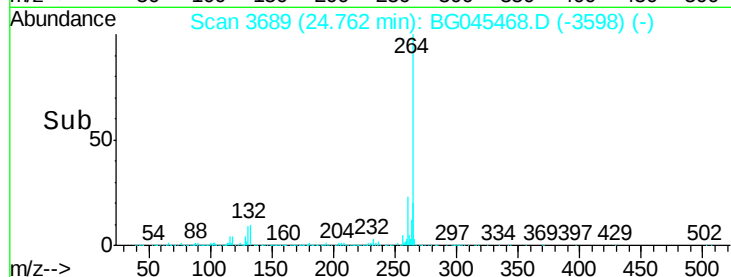
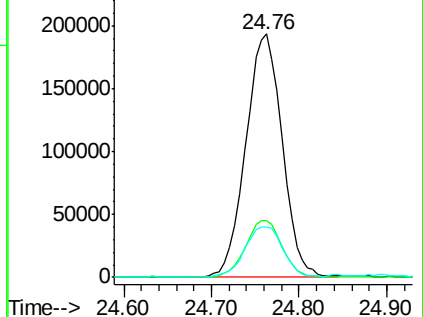
265 20.7 17.6 26.4



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: 6.882 ng

RT: 23.77 min Scan# 3520

Delta R.T. 0.00 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

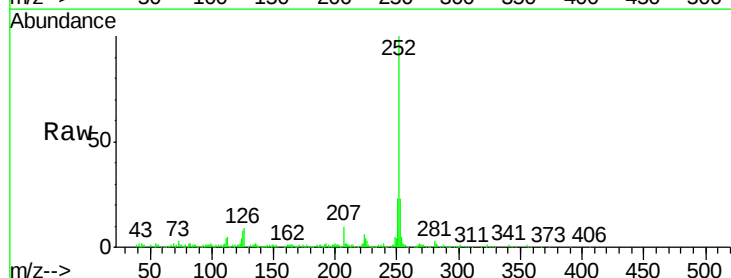
Tgt Ion:252 Resp: 201851

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

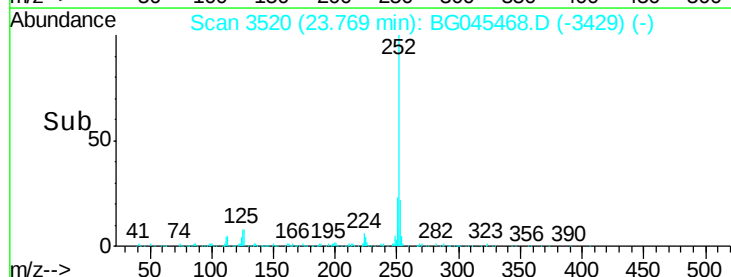
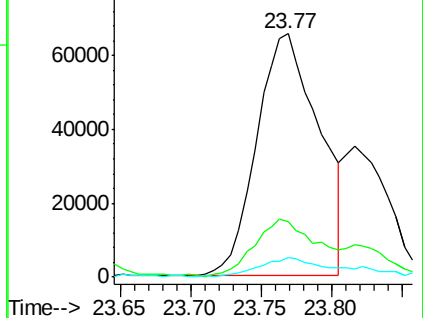
125 8.3 5.0 7.6#

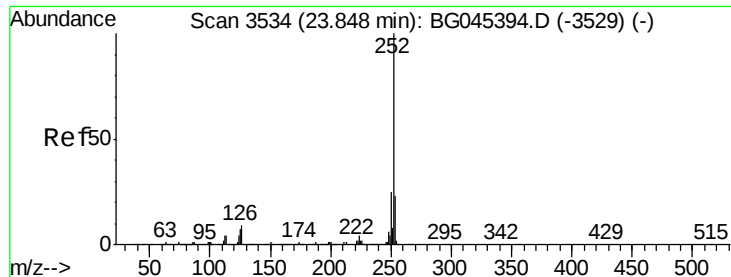


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.325 ng

RT: 23.77 min Scan# 3520

Delta R.T. -0.07 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

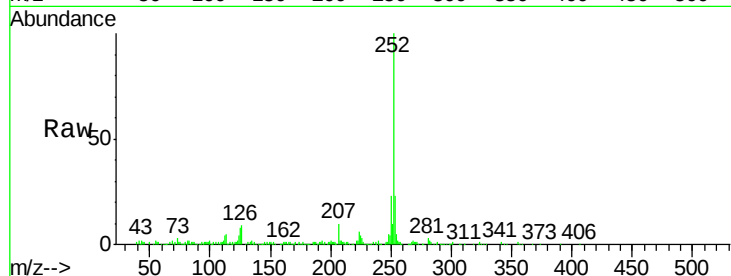
Tot Ion:252 Resp: 201851

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

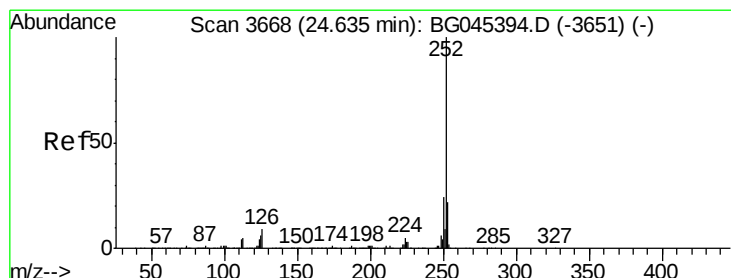
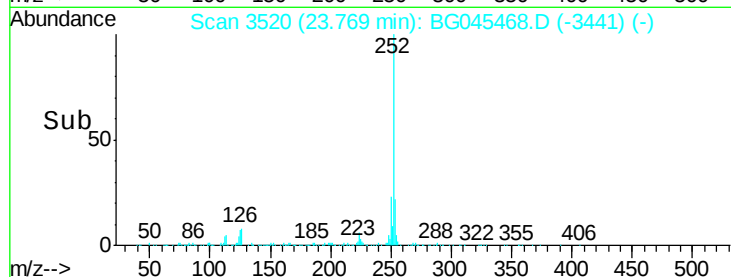
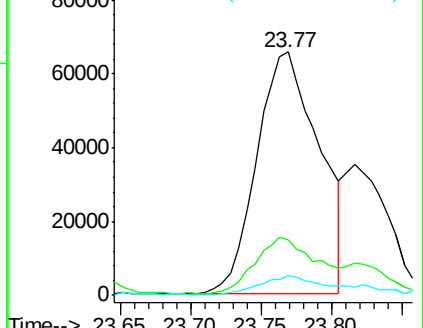
125 8.3 5.7 8.5



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



#90

Benzo(a)pyrene

Concen: 5.287 ng

RT: 24.61 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

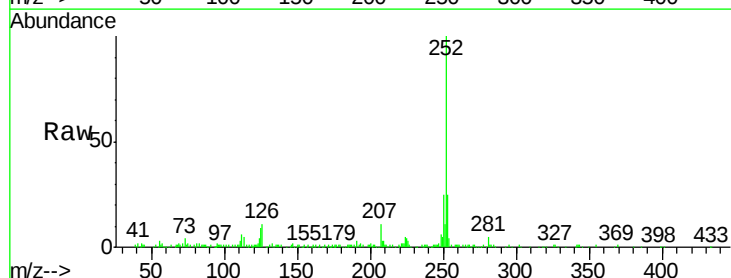
Tgt Ion:252 Resp: 144425

Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

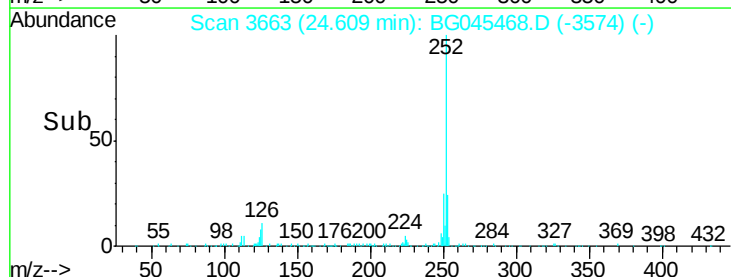
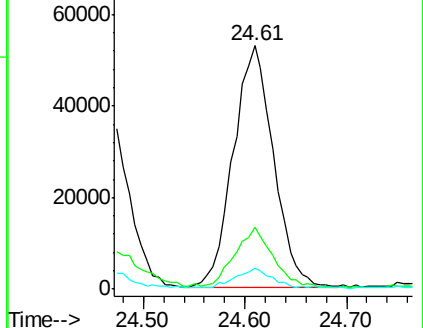
125 8.8 5.0 7.6#

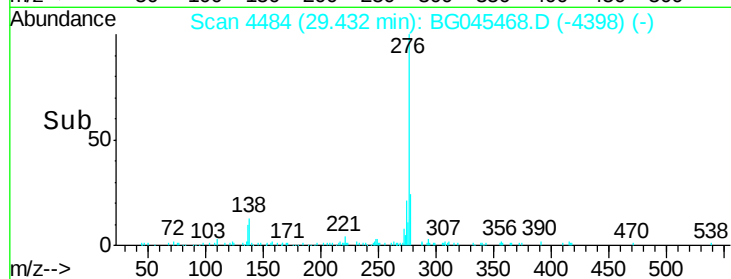
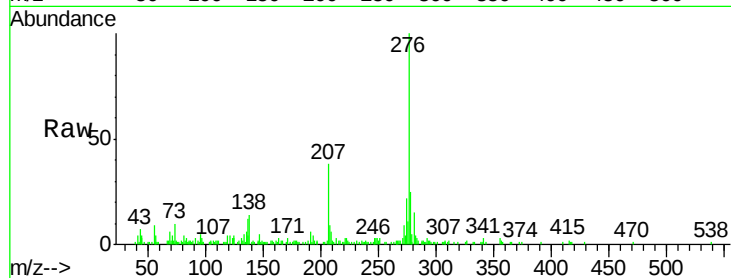
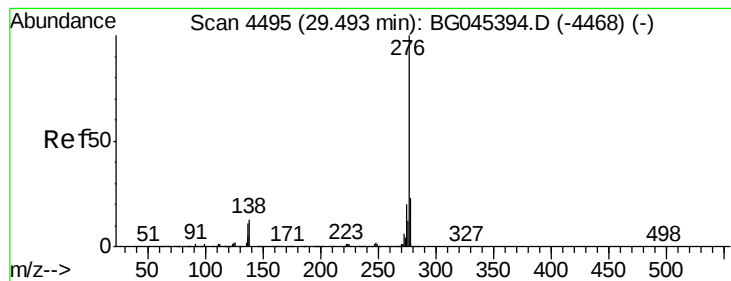


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.640 ng

RT: 29.43 min Scan# 4484

Delta R.T. -0.03 min

Lab File: BG045468.D

Acq: 26 May 2020 22:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 99951

Ion Ratio Lower Upper

276 100

277 25.3 18.1 27.1

138 14.5 10.2 15.4

