

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052720\
 Data File : BG045477.D
 Acq On : 27 May 2020 15:33
 Operator : CG/JU
 Sample : L2768-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 370

Quant Time: May 27 16:10:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 13:40:45 2020
 Response via : Initial Calibration

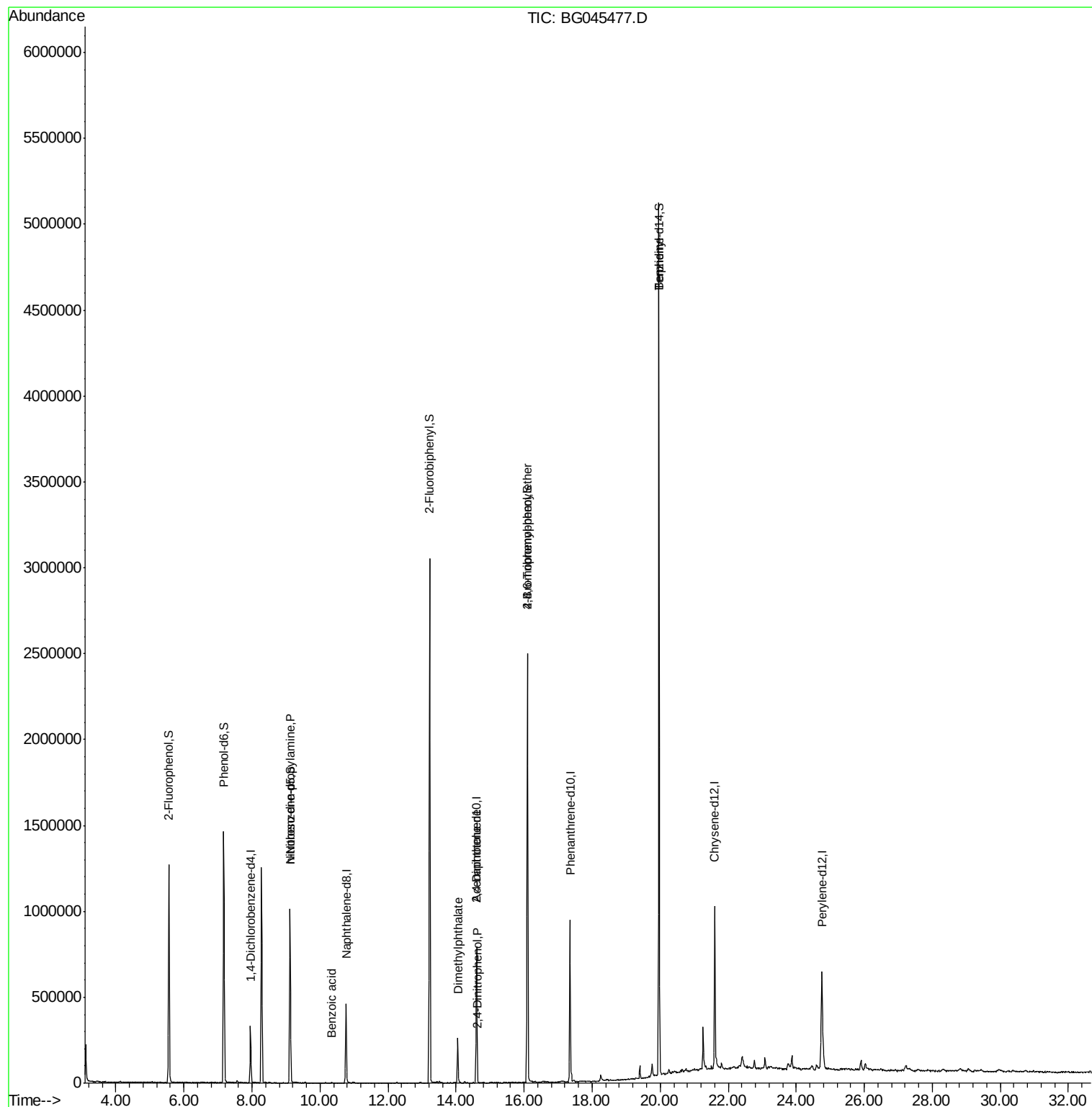
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	101480	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	415565	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	292790	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	640583	20.00	ng	0.00
76) Chrysene-d12	21.60	240	576994	20.00	ng	0.00
87) Perylene-d12	24.75	264	619079	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	617788	118.97	ng	0.00
7) Phenol-d6	7.17	99	976416	132.11	ng	0.00
23) Nitrobenzene-d5	9.12	82	694842	91.18	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	538993	143.94	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1644451	95.27	ng	0.00
79) Terphenyl-d14	19.96	244	2371302	95.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	93724	18.339	ng	# 81
32) Benzoic acid	10.36	122	68	10.038	ng	# 46
50) Dimethylphthalate	14.05	163	177271	8.826	ng	# 98
54) 2,4-Dinitrophenol	14.63	184	90	5.487	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	38301	5.835	ng	# 24
67) 4-Bromophenyl-phenylether	16.10	248	37460	5.400	ng	# 1
77) Benzidine	19.96	184	47030	2.902	ng	# 91

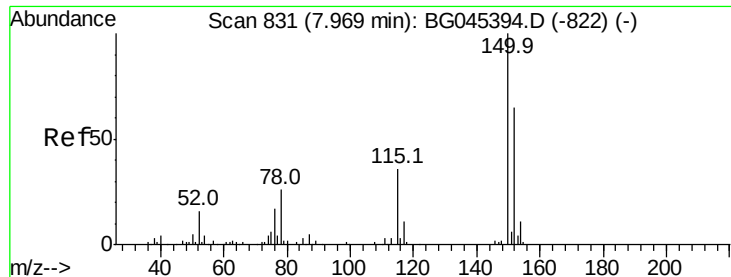
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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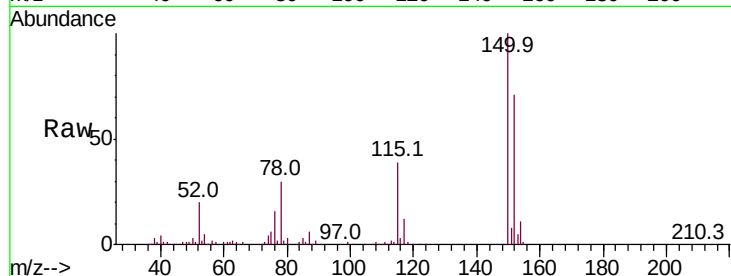


#1

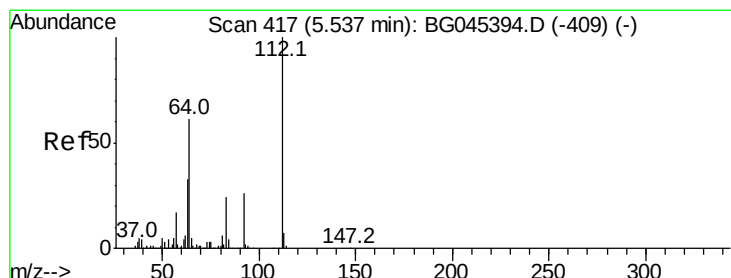
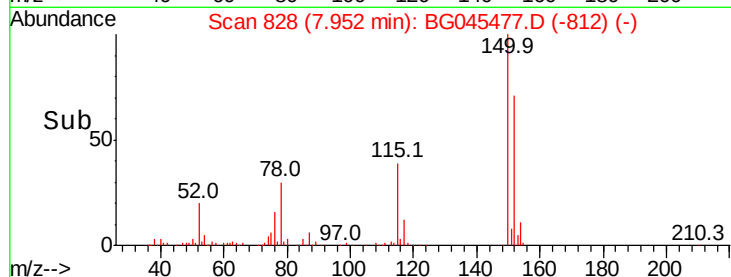
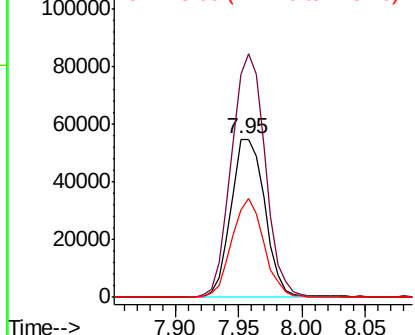
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG045477.D
Acq: 27 May 2020 15:33

Instrument :
BNA_G
ClientSampleId :
370

Tot Ion:152 Resp: 101480
Ion Ratio Lower Upper
152 100
150 141.2 122.4 183.6
115 55.6 44.2 66.4



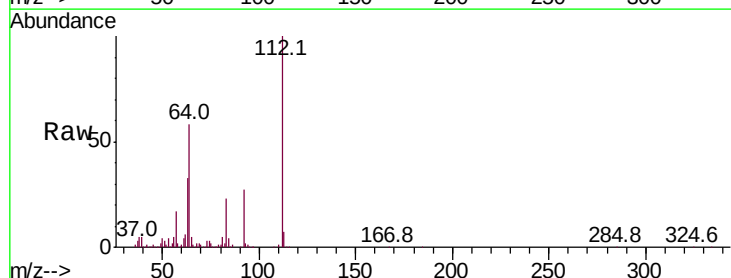
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



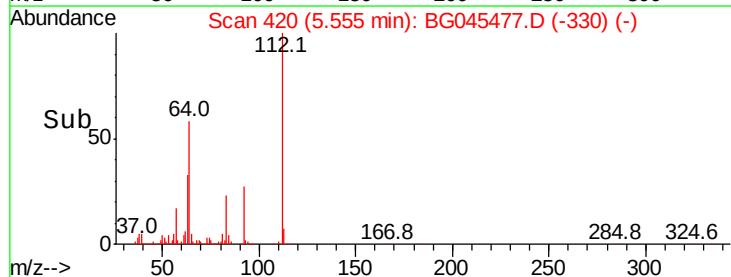
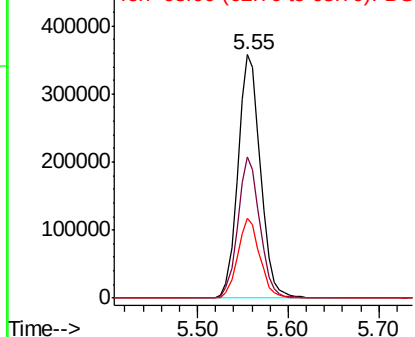
#5

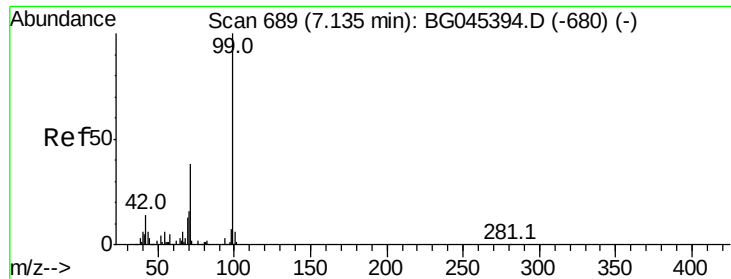
2-Fluorophenol
Concen: 118.973 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG045477.D
Acq: 27 May 2020 15:33

Tgt Ion:112 Resp: 617788
Ion Ratio Lower Upper
112 100
64 58.1 48.6 72.8
63 32.5 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 132.114 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG045477.D

Acq: 27 May 2020 15:33

Instrument :

BNA_G

ClientSampleId :

370

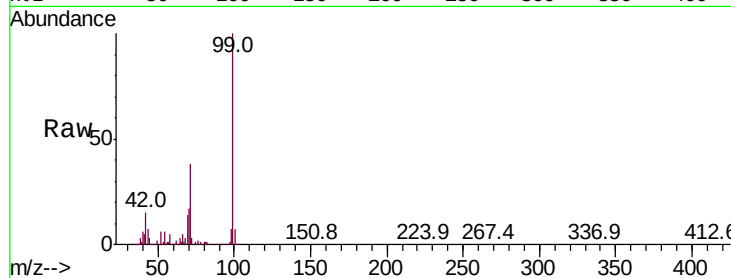
Tot Ion: 99 Resp: 976416

Ion Ratio Lower Upper

99 100

42 14.7 11.3 16.9

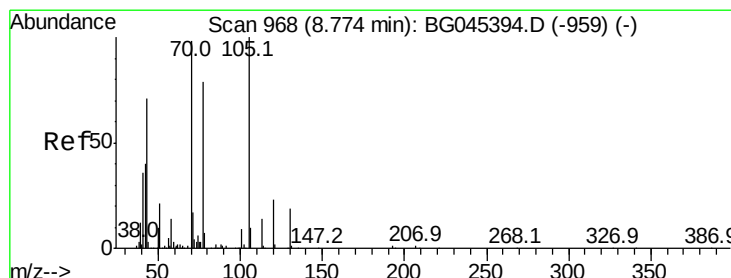
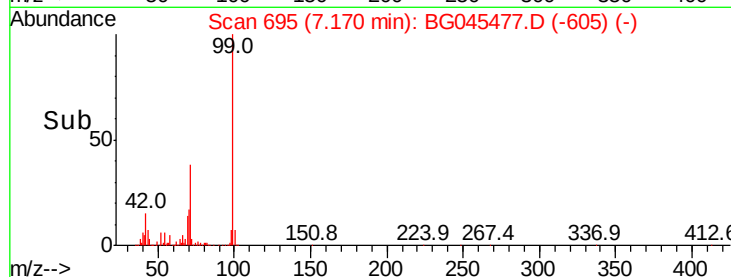
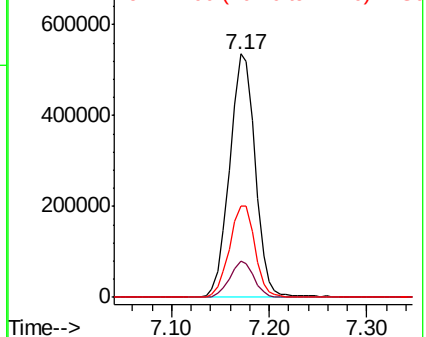
71 37.8 30.8 46.2



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: 18.339 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045477.D

Acq: 27 May 2020 15:33

Tgt Ion: 70 Resp: 93724

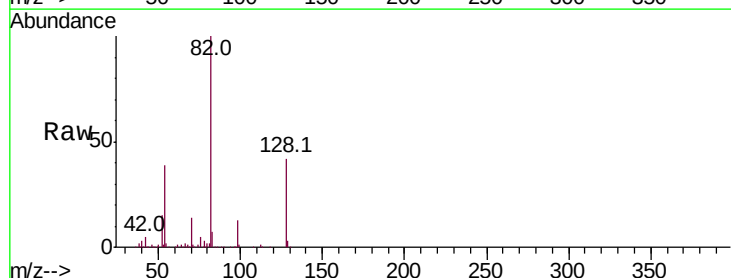
Ion Ratio Lower Upper

70 100

42 36.9 33.2 49.8

101 0.0 7.8 11.6#

130 1.3 15.4 23.2#

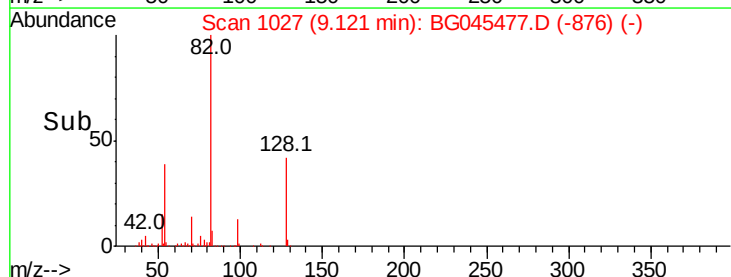
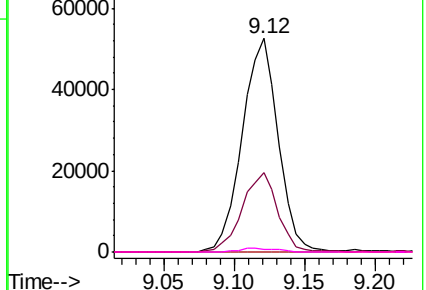


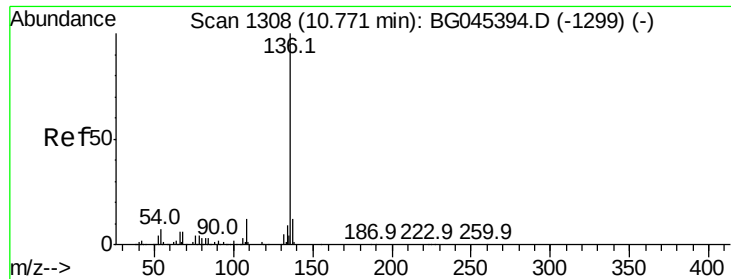
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

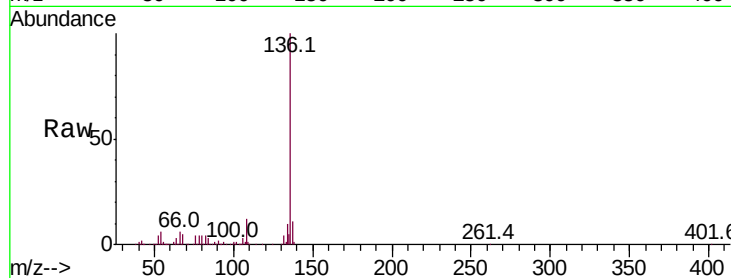




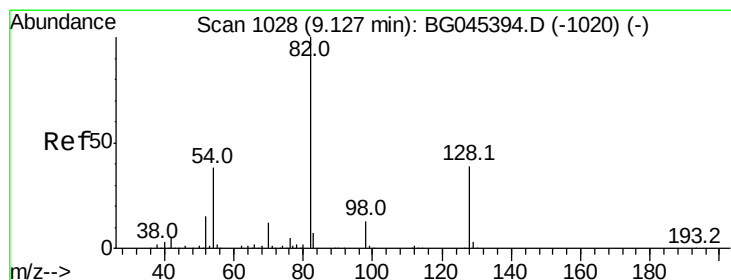
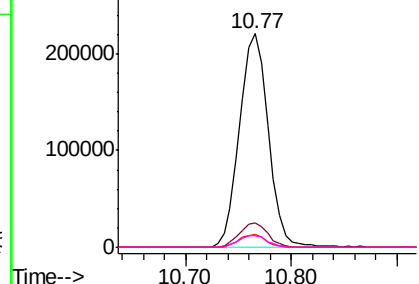
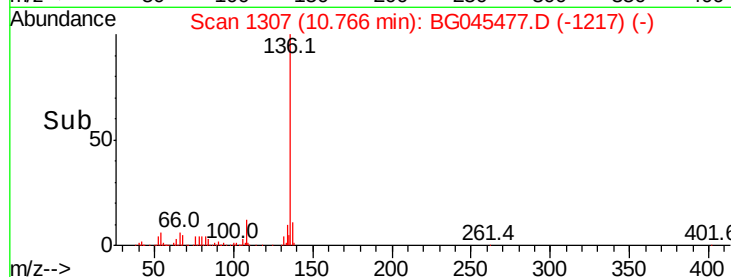
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG045477.D
Acq: 27 May 2020 15:33

Instrument :
BNA_G
ClientSampleId :
370

Tot Ion:136	Resp: 415565
Ion Ratio	Lower Upper
136 100	
137 11.4	9.4 14.2
54 6.3	5.8 8.6
68 5.2	4.5 6.7

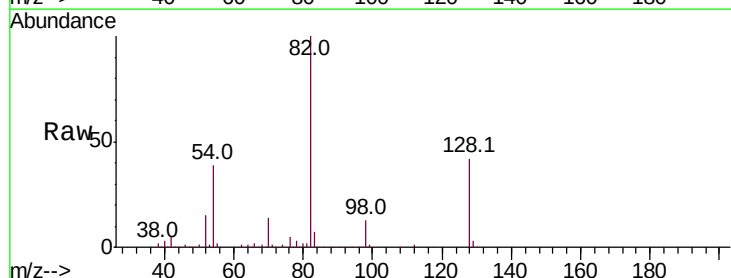


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

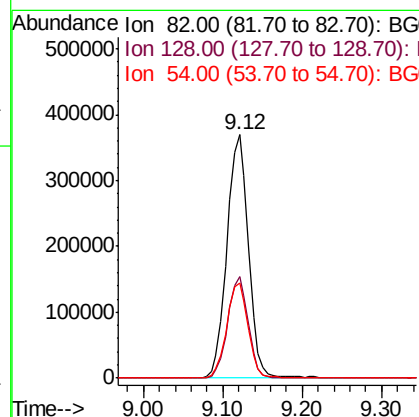
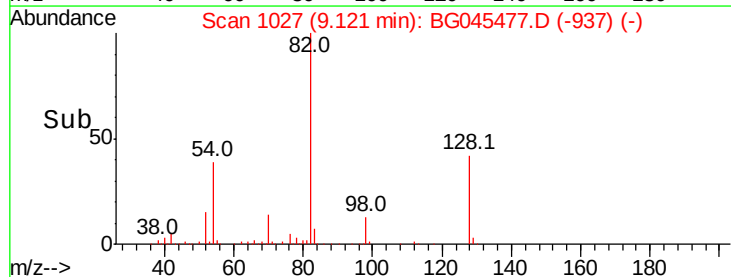


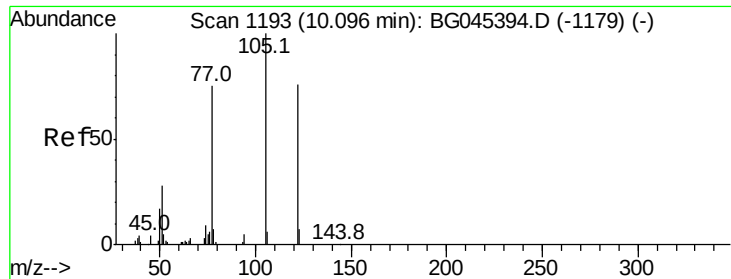
#23
Nitrobenzene-d5
Concen: 91.179 ng
RT: 9.12 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BG045477.D
Acq: 27 May 2020 15:33

Tgt	Ion: 82	Resp:	694842
Ion	Ratio	Lower	Upper
82	100		
128	41.6	30.9	46.3
54	39.2	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

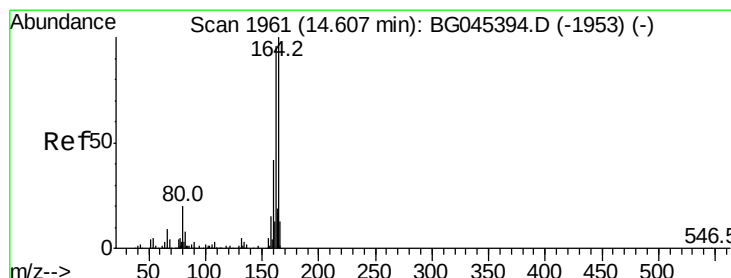
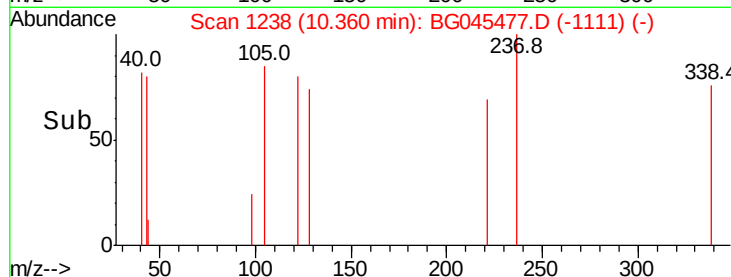
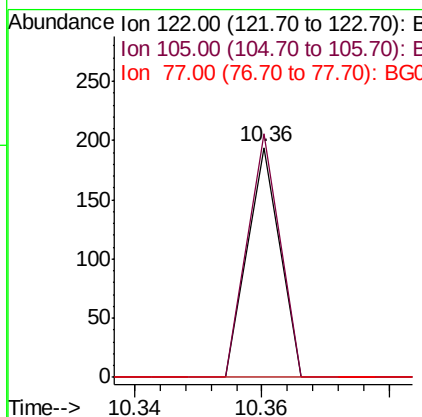
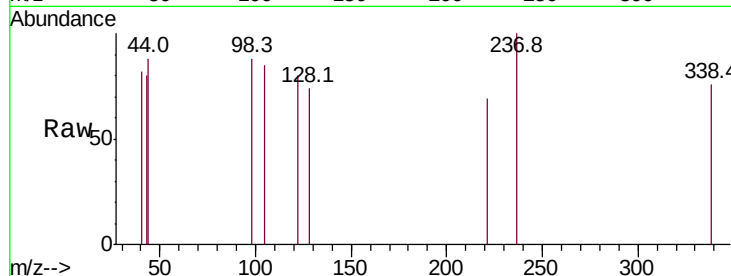




#32
Benzoic acid
Concen: 10.038 ng
RT: 10.36 min Scan# 1238
Delta R.T. 0.22 min
Lab File: BG045477.D
Acq: 27 May 2020 15:33

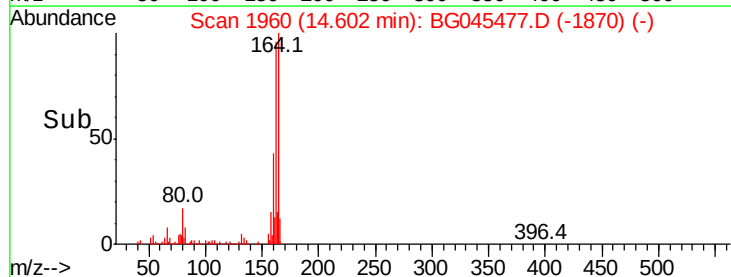
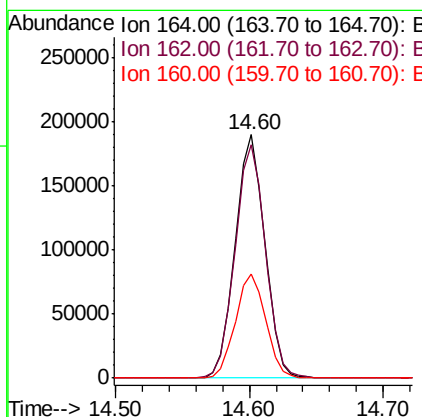
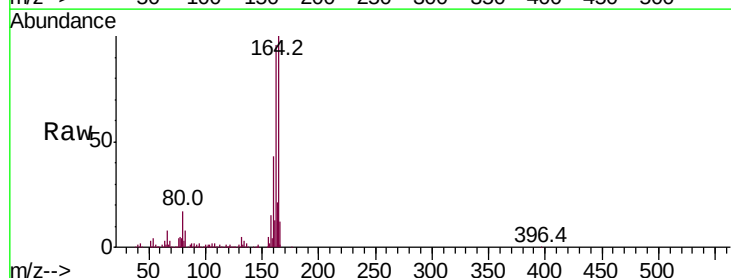
Instrument :
BNA_G
ClientSampled :
370

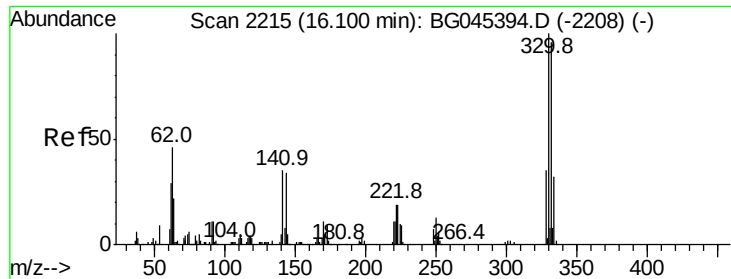
Tot Ion:122 Resp: 68
Ion Ratio Lower Upper
122 100
105 106.2 107.9 147.9#
77 0.0 78.9 118.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG045477.D
Acq: 27 May 2020 15:33

Tgt Ion:164 Resp: 292790
Ion Ratio Lower Upper
164 100
162 95.8 76.9 115.3
160 42.7 33.8 50.8

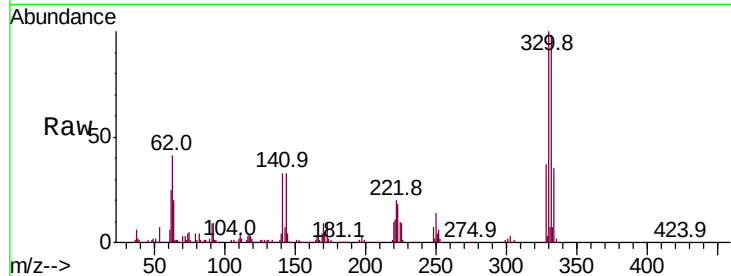




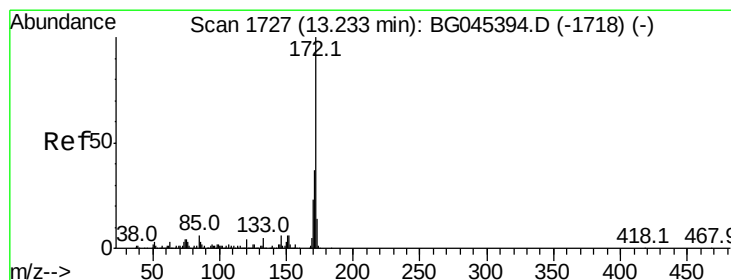
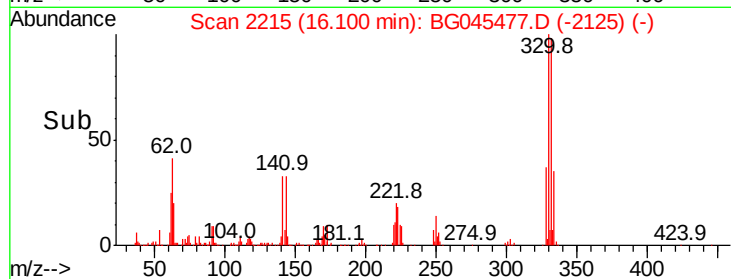
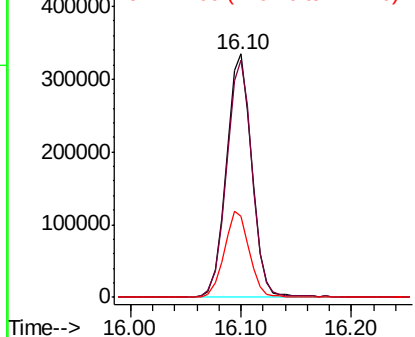
#42
 2,4,6-Tribromophenol
 Concen: 143.944 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BG045477.D
 Acq: 27 May 2020 15:33

Instrument :
 BNA_G
 ClientSampled :
 370

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	34.7	28.2	42.4

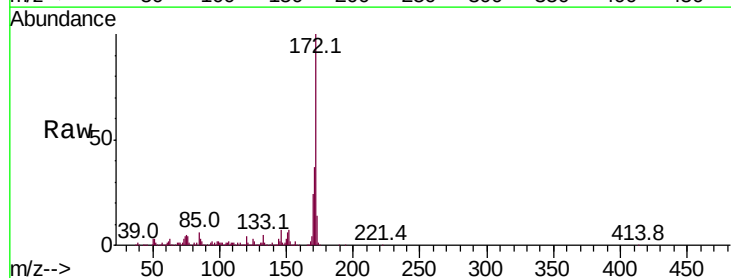


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

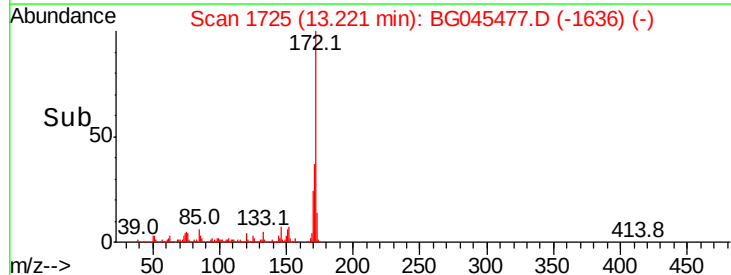
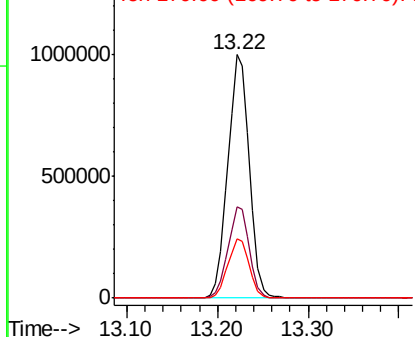


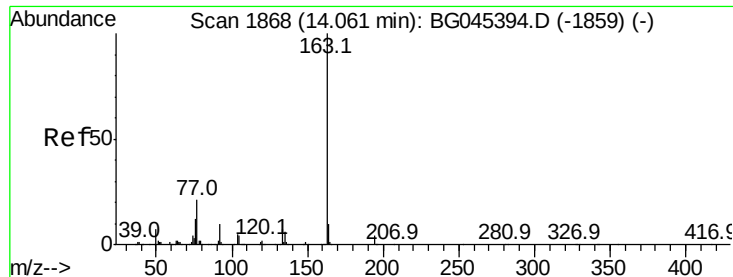
#45
 2-Fluorobiphenyl
 Concen: 95.267 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG045477.D
 Acq: 27 May 2020 15:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.5	44.3
170	24.3	18.5	27.7



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: 8.826 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045477.D

Acq: 27 May 2020 15:33

Instrument :

BNA_G

ClientSampleId :

370

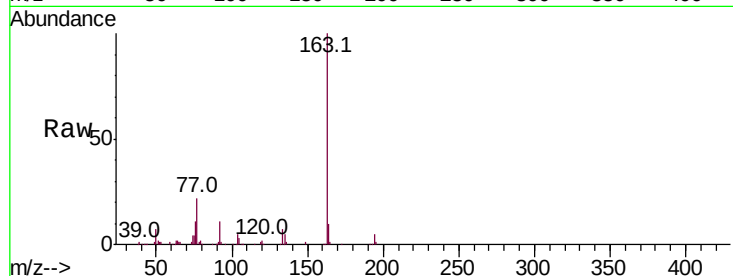
Tot Ion:163 Resp: 177271

Ion Ratio Lower Upper

163 100

194 4.7 3.2 4.8

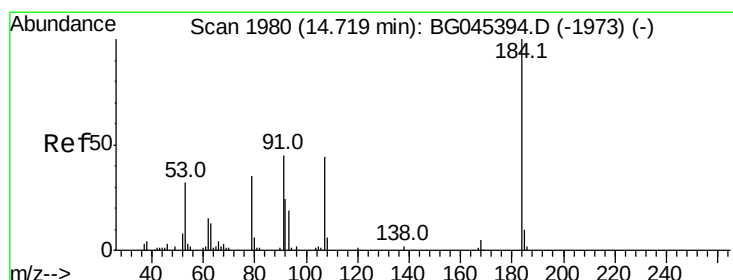
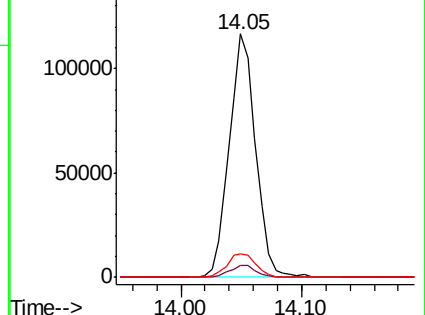
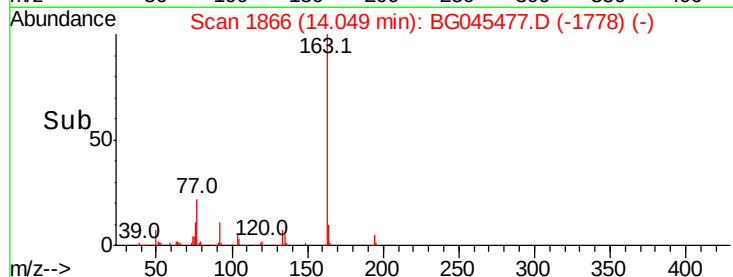
164 9.9 8.3 12.5



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



#54

2,4-Dinitrophenol

Concen: 5.487 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.09 min

Lab File: BG045477.D

Acq: 27 May 2020 15:33

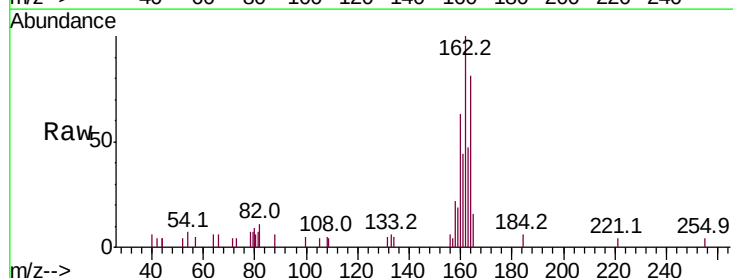
Tgt Ion:184 Resp: 90

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

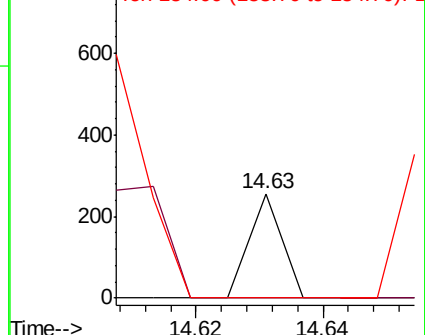
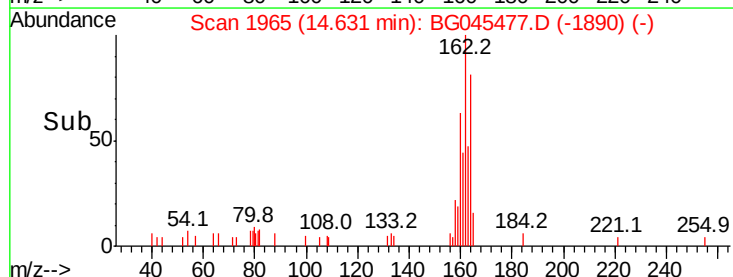
154 0.0 58.3 87.5#

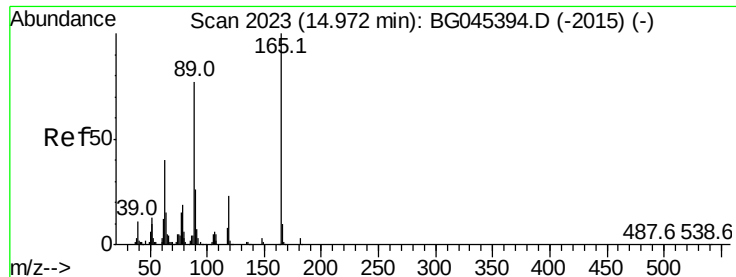


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.835 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.36 min

Lab File: BG045477.D

Acq: 27 May 2020 15:33

Instrument :

BNA_G

ClientSampleId :

370

Tot Ion:165 Resp: 38301

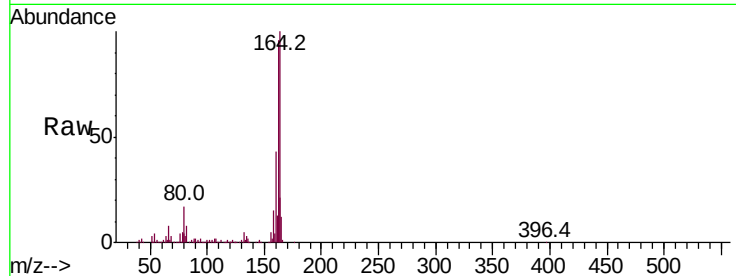
Ion Ratio Lower Upper

165 100

63 1.9 32.5 48.7#

89 2.8 61.8 92.6#

182 0.0 2.3 3.5#

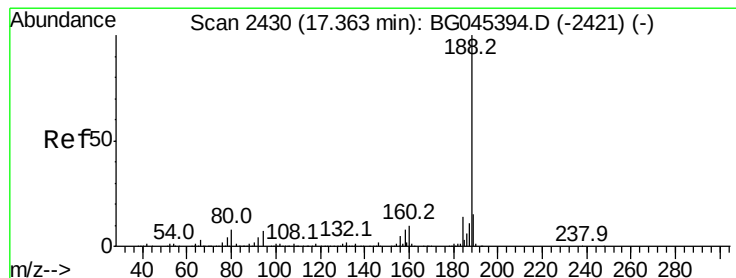
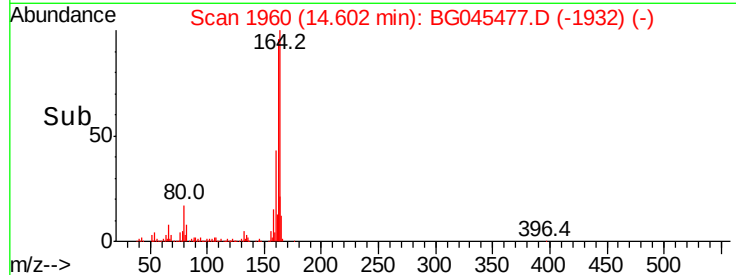
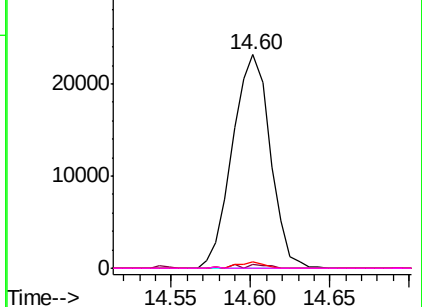


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG045477.D

Acq: 27 May 2020 15:33

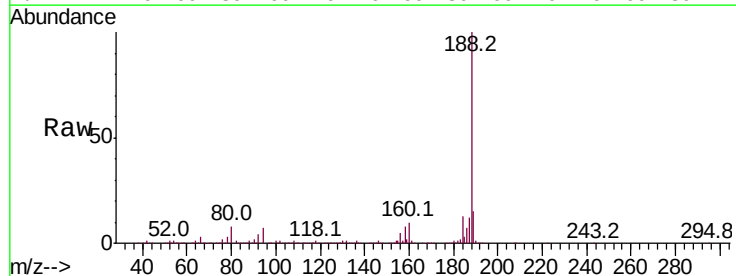
Tgt Ion:188 Resp: 640583

Ion Ratio Lower Upper

188 100

94 7.0 5.5 8.3

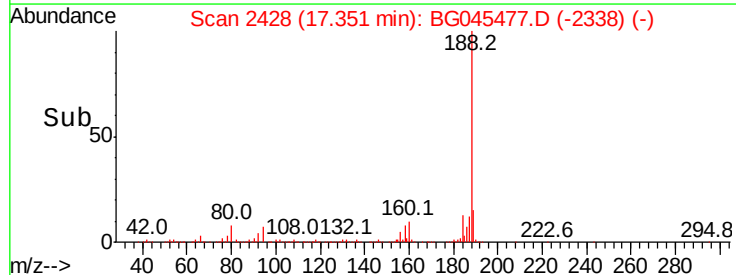
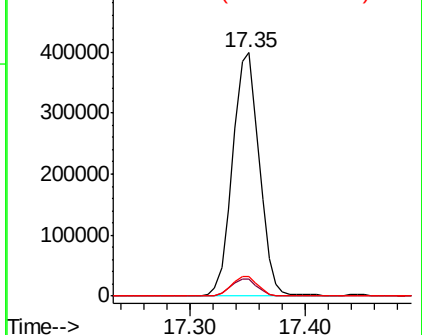
80 8.2 6.6 10.0

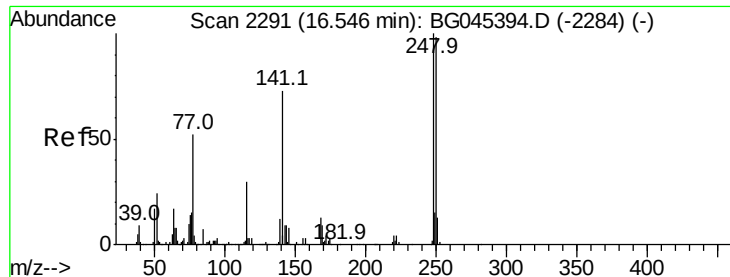


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

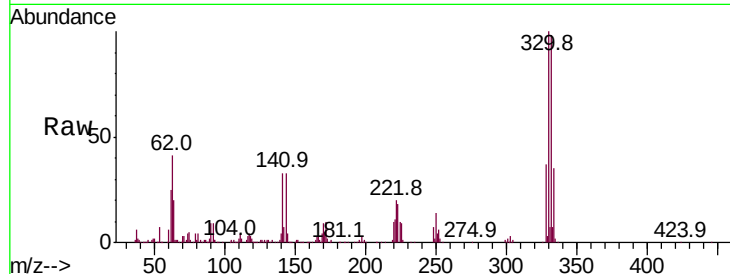




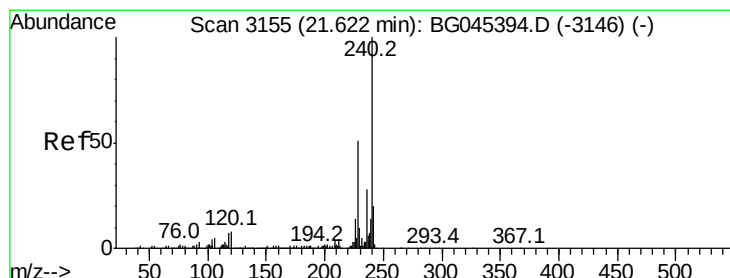
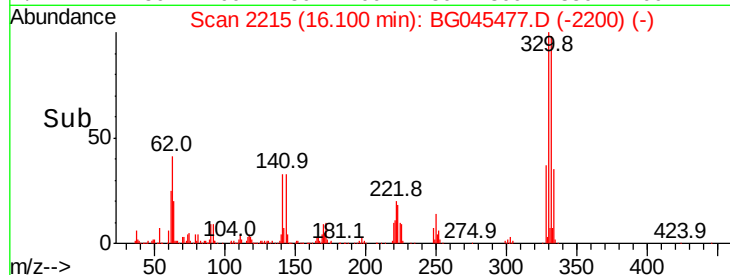
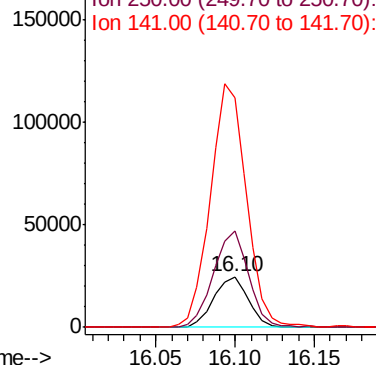
#67
4-Bromophenyl-phenylether
Concen: 5.400 ng
RT: 16.10 min Scan# 2215
Delta R.T. -0.44 min
Lab File: BG045477.D
Acq: 27 May 2020 15:33

Instrument :
BNA_G
ClientSampleId :
370

Tot Ion:248 Resp: 37460
Ion Ratio Lower Upper
248 100
250 190.4 78.6 117.8#
141 454.3 58.2 87.2#

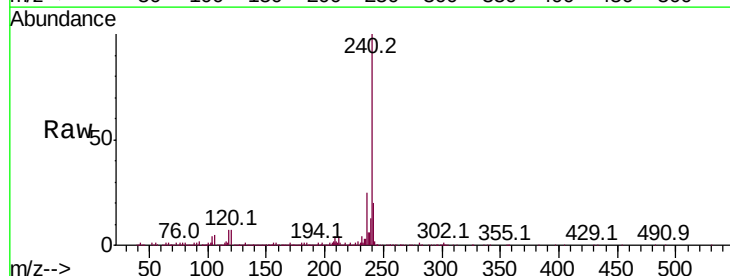


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

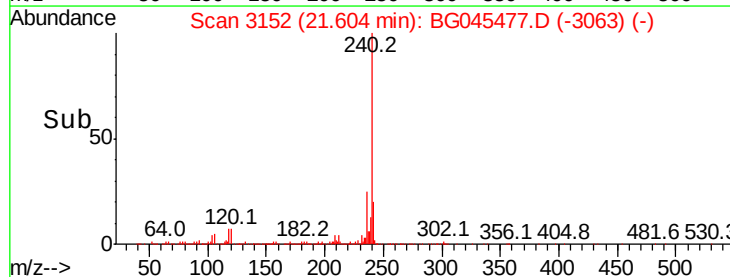
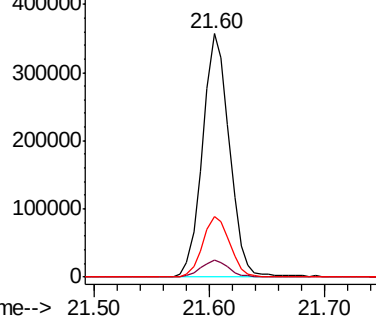


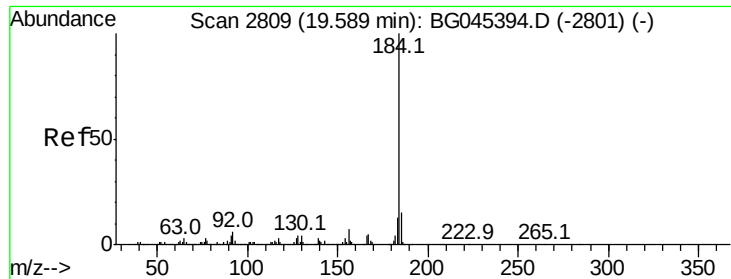
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045477.D
Acq: 27 May 2020 15:33

Tgt Ion:240 Resp: 576994
Ion Ratio Lower Upper
240 100
120 7.1 6.1 9.1
236 25.0 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: 2.902 ng

RT: 19.96 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045477.D

Acq: 27 May 2020 15:33

Instrument :

BNA_G

ClientSampleId :

370

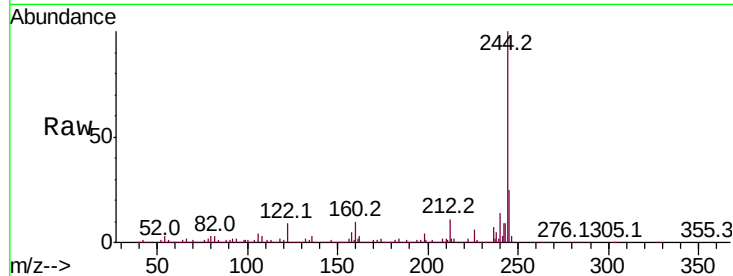
Tot Ion:184 Resp: 47030

Ion Ratio Lower Upper

184 100

185 15.3 11.7 17.5

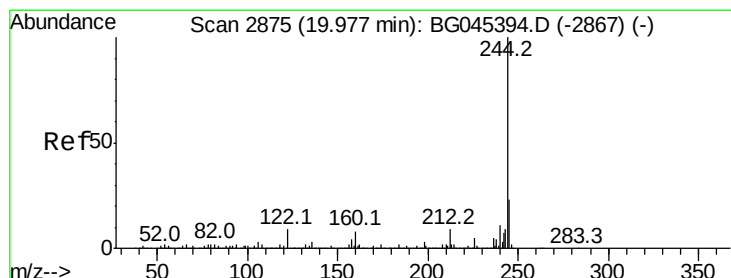
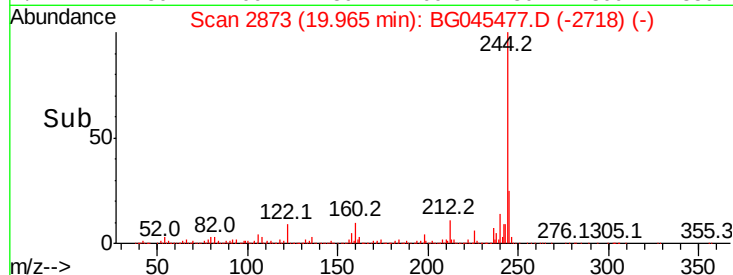
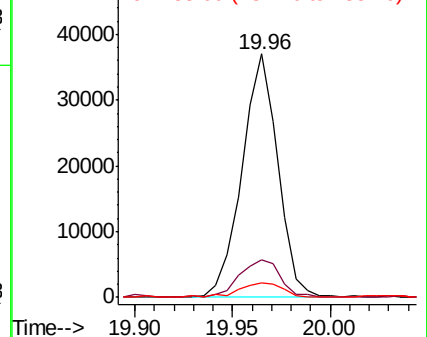
183 5.8 10.2 15.4#



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



#79

Terphenyl-d14

Concen: 95.852 ng

RT: 19.96 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045477.D

Acq: 27 May 2020 15:33

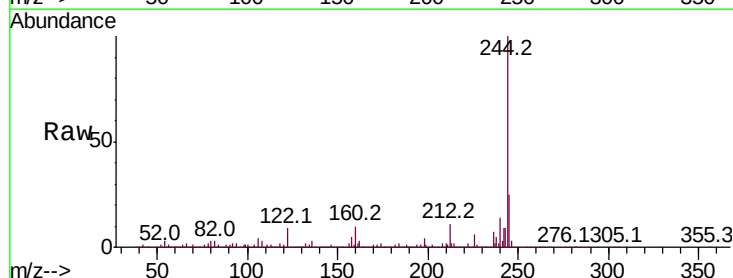
Tgt Ion:244 Resp: 2371302

Ion Ratio Lower Upper

244 100

212 10.5 7.4 11.0

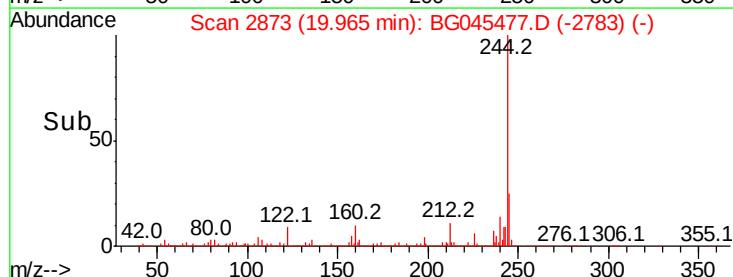
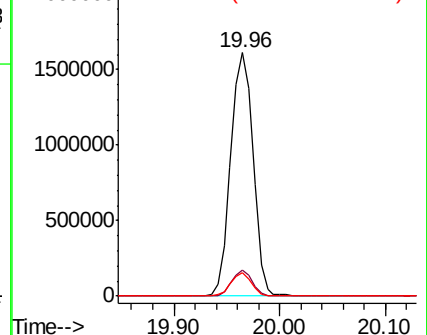
122 9.4 6.8 10.2

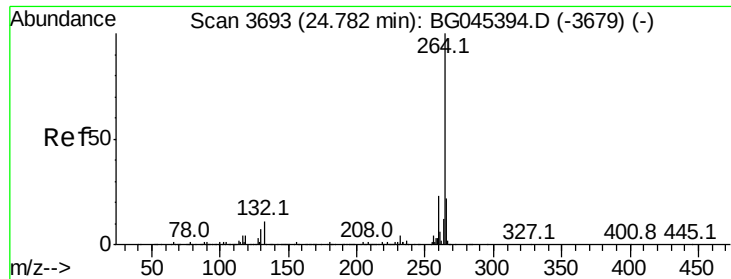


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.75 min Scan# 3688
Delta R.T. -0.01 min
Lab File: BG045477.D
Acq: 27 May 2020 15:33

Instrument :
BNA_G
ClientSampleId :
370

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	21.1	17.6	26.4

