

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060320\
 Data File : BG045593.D
 Acq On : 3 Jun 2020 23:02
 Operator : CG/JU
 Sample : L2838-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 04 02:53:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

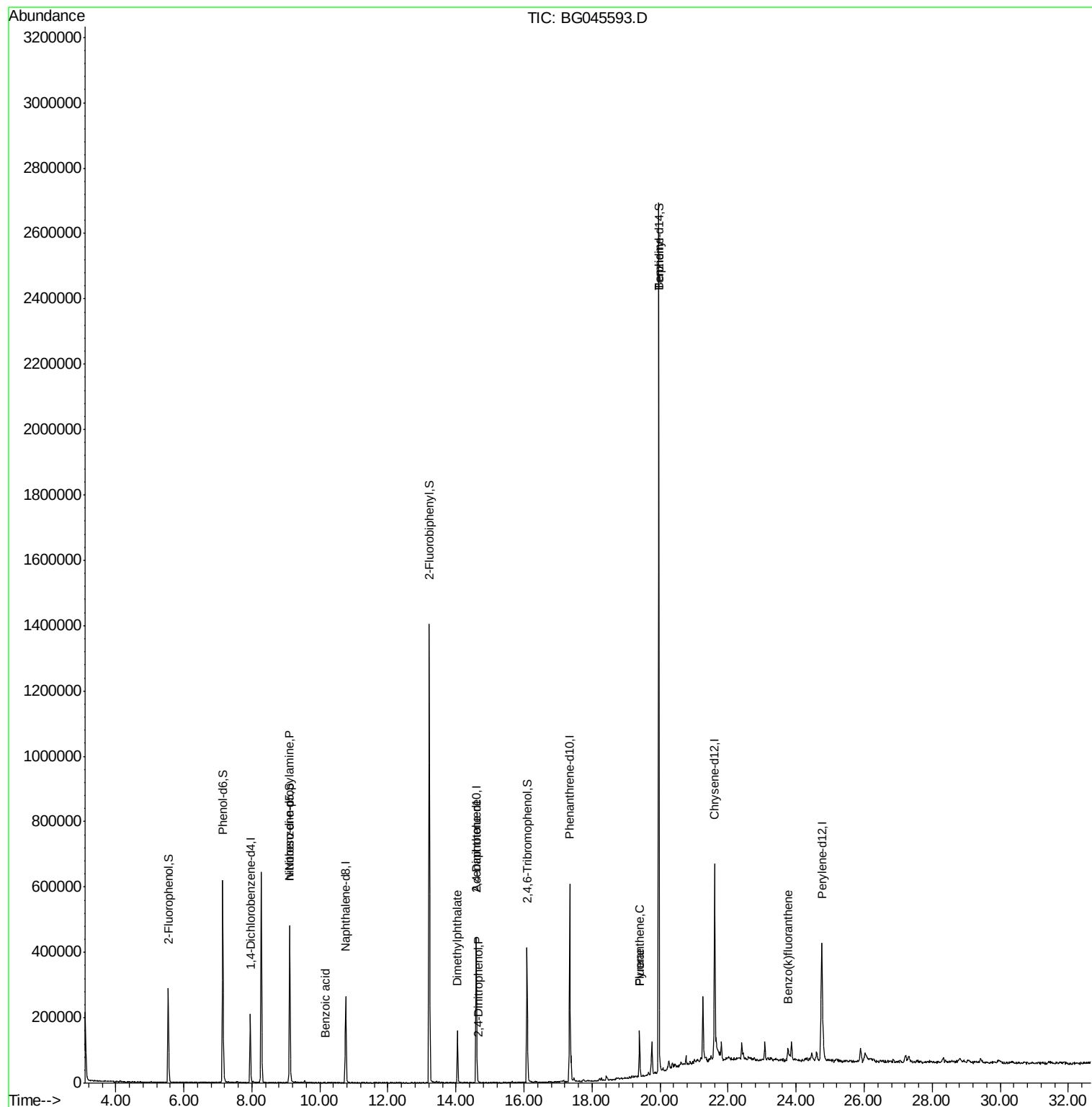
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	63525	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	247307	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	170138	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	403611	20.00	ng	0.00
76) Chrysene-d12	21.60	240	372703	20.00	ng	0.00
87) Perylene-d12	24.75	264	403797	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	144498	44.45	ng	0.00
7) Phenol-d6	7.14	99	424958	91.85	ng	0.00
23) Nitrobenzene-d5	9.11	82	333284	73.49	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	92527	42.52	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	785885	78.35	ng	0.00
79) Terphenyl-d14	19.96	244	1322376	82.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	46895	14.658	ng	# 81
32) Benzoic acid	10.16	122	63	10.046	ng	# 51
50) Dimethylphthalate	14.05	163	113277	9.706	ng	98
54) 2,4-Dinitrophenol	14.67	184	56	5.489	ng	# 1
57) 2,4-Dinitrotoluene	14.60	165	21514	5.640	ng	# 22
75) Fluoranthene	19.40	202	91327	4.075	ng	100
77) Benzidine	19.96	184	23357	2.231	ng	# 93
78) Pyrene	19.40	202	91327	4.299	ng	98
89) Benzo(k)fluoranthene	23.76	252	41453	2.037	ng	# 96

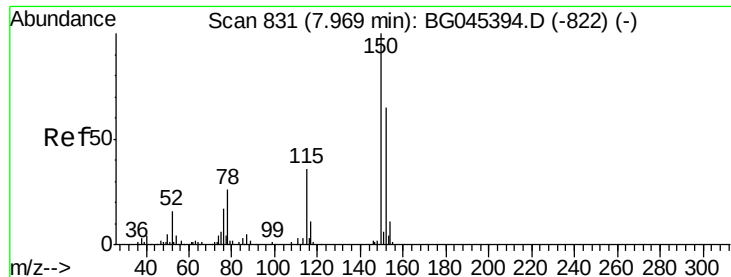
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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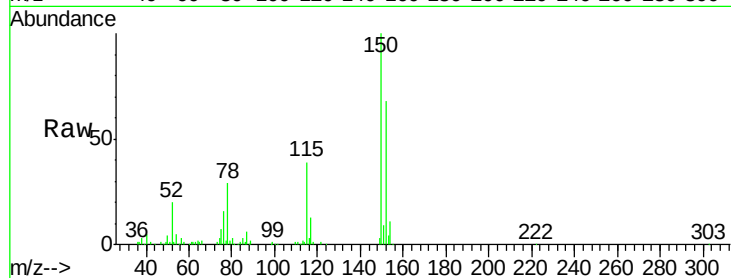


#1

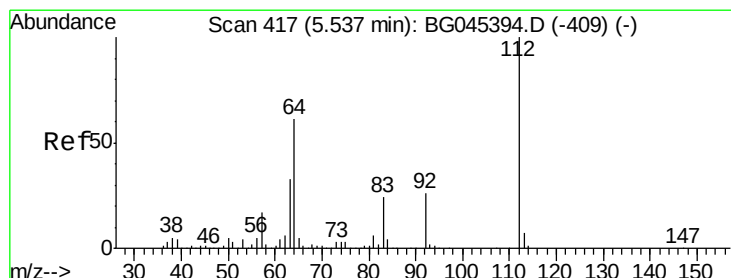
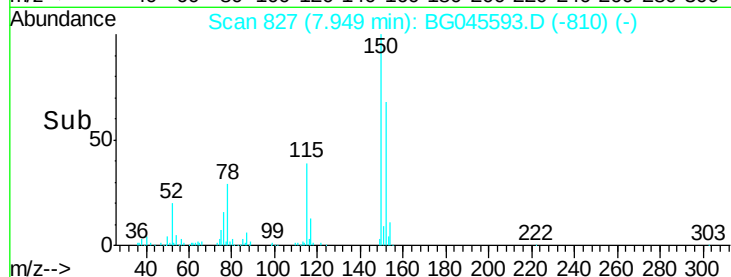
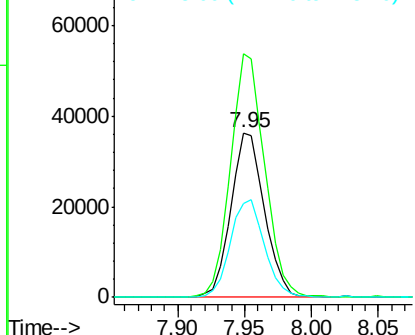
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG045593.D
Acq: 3 Jun 2020 23:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63525
Ion Ratio Lower Upper
152 100
150 148.1 122.4 183.6
115 57.2 44.2 66.4



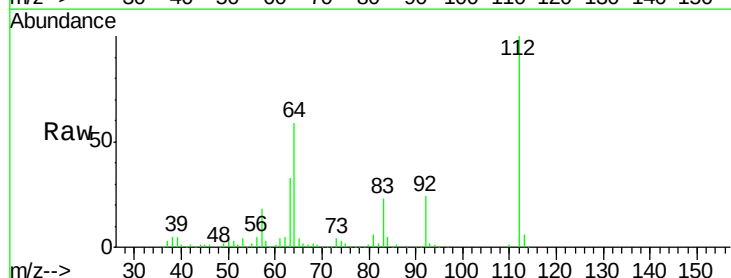
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



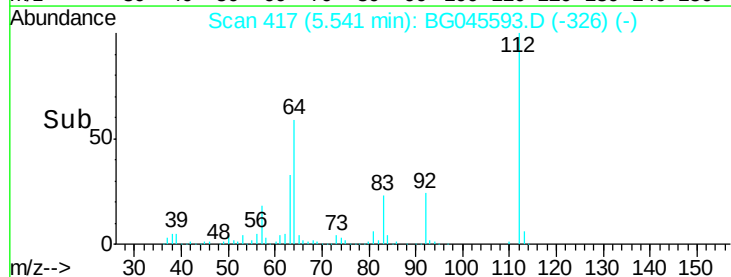
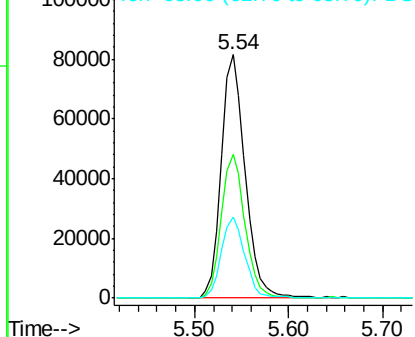
#5

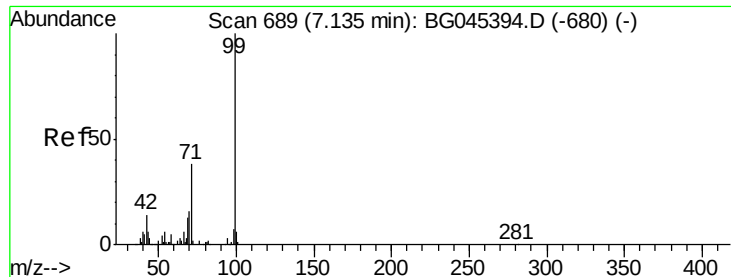
2-Fluorophenol
Concen: 44.454 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045593.D
Acq: 3 Jun 2020 23:02

Tgt Ion:112 Resp: 144498
Ion Ratio Lower Upper
112 100
64 59.3 48.6 72.8
63 33.3 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 91.853 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

Instrument :

BNA_G

ClientSampleId :

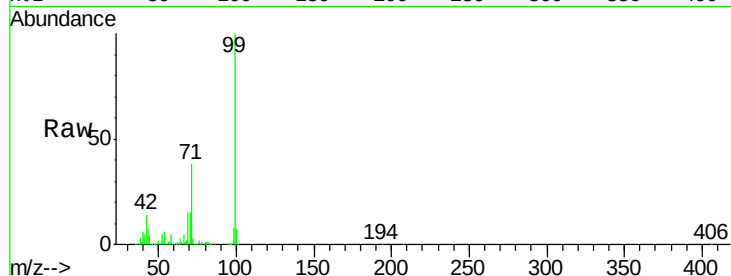
Tot Ion: 99 Resp: 424958

Ion Ratio Lower Upper

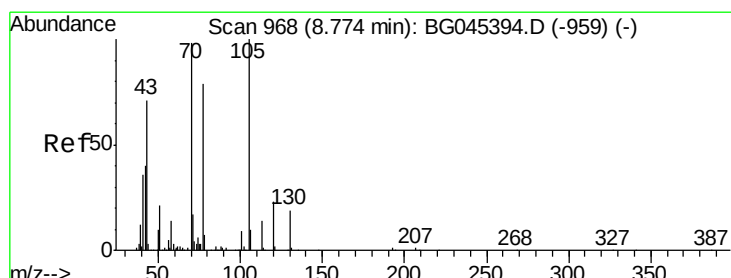
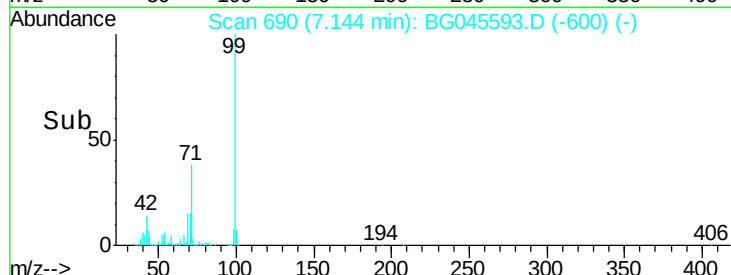
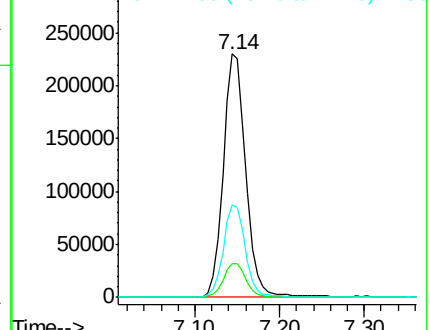
99 100

42 13.9 11.3 16.9

71 38.2 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: 14.658 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.36 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

Tgt Ion: 70 Resp: 46895

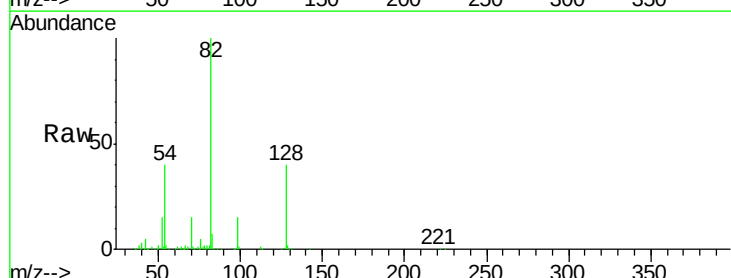
Ion Ratio Lower Upper

70 100

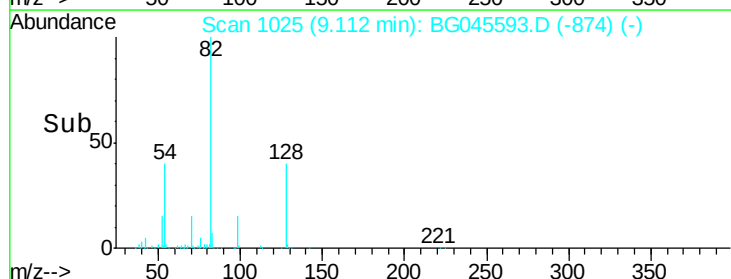
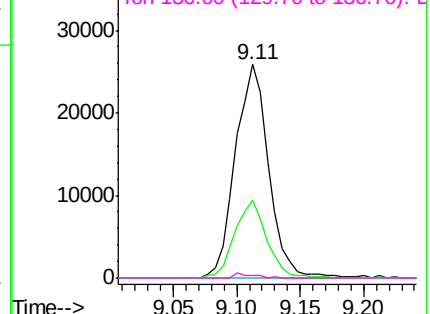
42 36.3 33.2 49.8

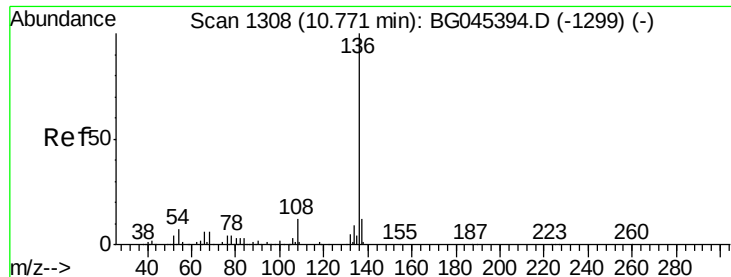
101 0.0 7.8 11.6#

130 1.4 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

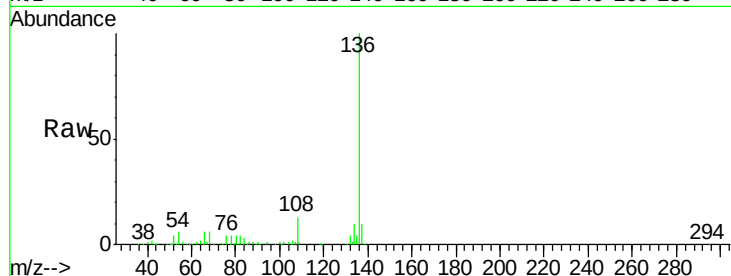




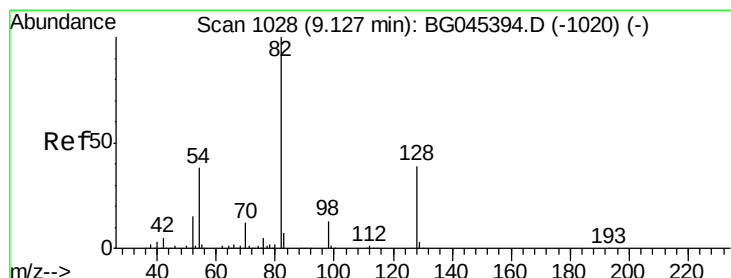
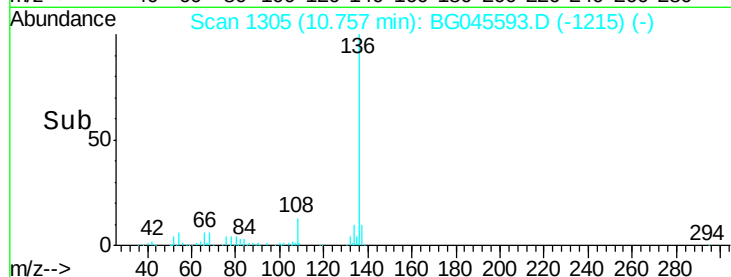
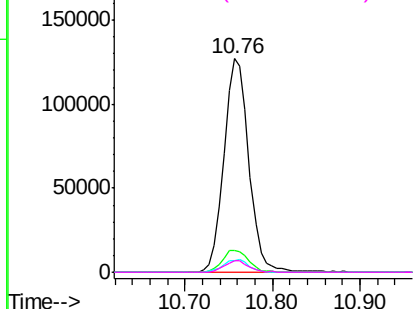
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BG045593.D
Acq: 3 Jun 2020 23:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	247307
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.4	14.2
54	5.5	5.8	8.6#
68	5.7	4.5	6.7

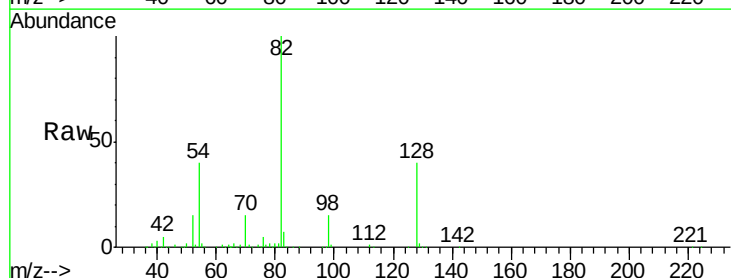


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

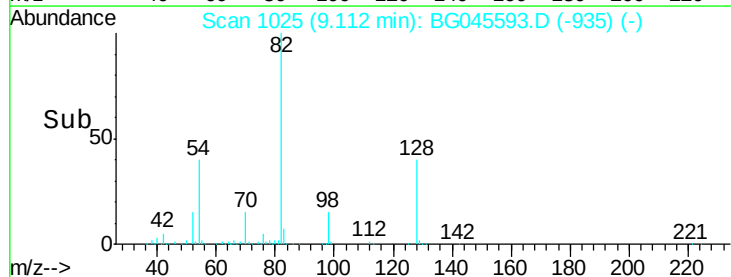
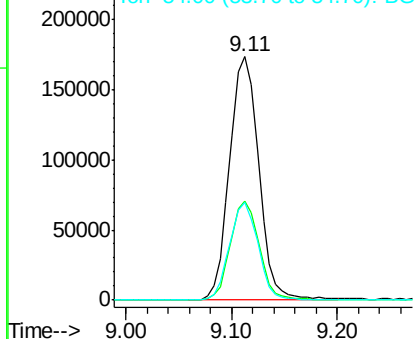


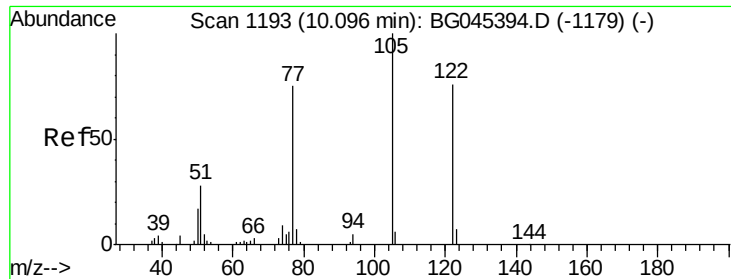
#23
Nitrobenzene-d5
Concen: 73.490 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BG045593.D
Acq: 3 Jun 2020 23:02

Tgt Ion:	82	Resp:	333284
Ion	Ratio	Lower	Upper
82	100		
128	40.4	30.9	46.3
54	40.1	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

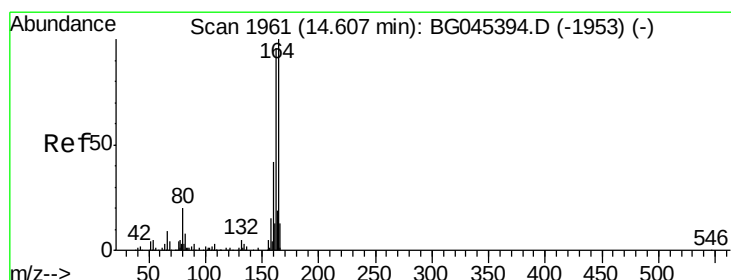
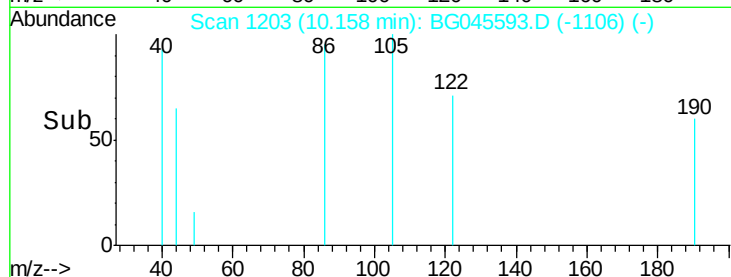
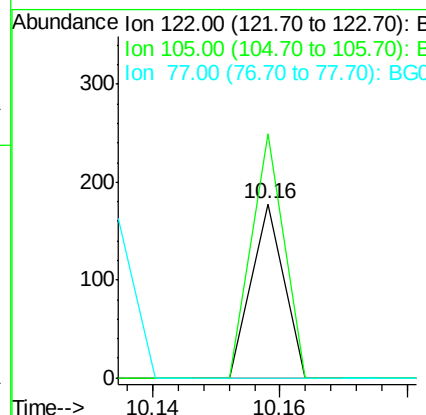
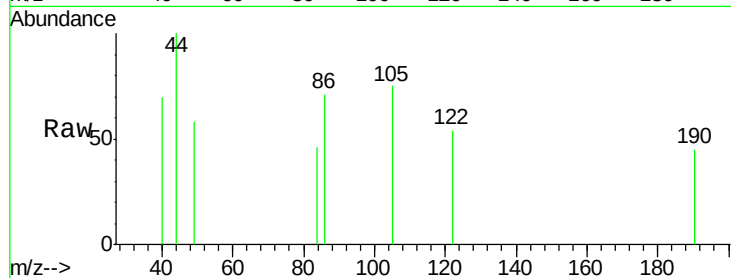




#32
Benzoic acid
Concen: 10.046 ng
RT: 10.16 min Scan# 1203
Delta R.T. 0.04 min
Lab File: BG045593.D
Acq: 3 Jun 2020 23:02

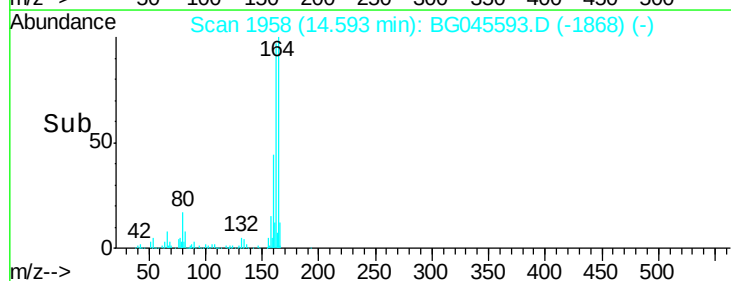
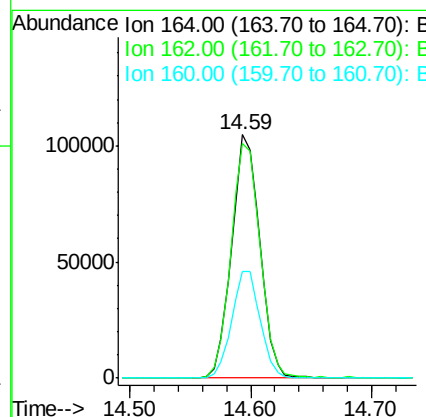
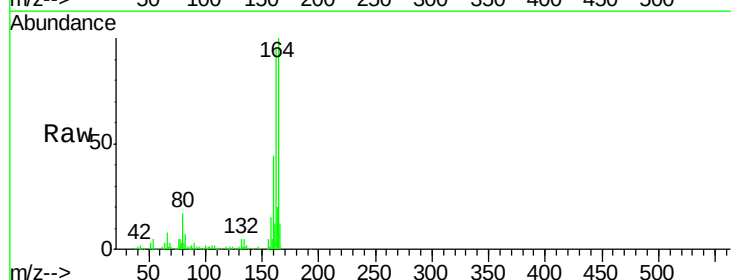
Instrument :
BNA_G
ClientSampleId :

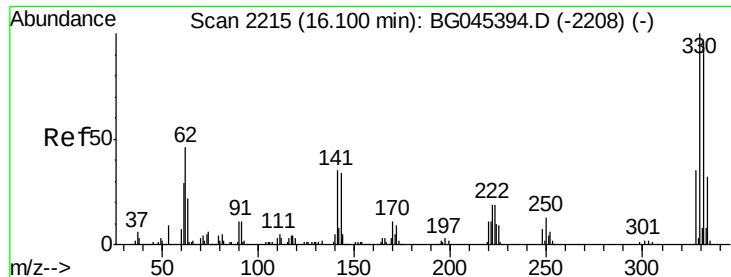
Tot Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 139.9 107.9 147.9
77 0.0 78.9 118.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BG045593.D
Acq: 3 Jun 2020 23:02

Tgt Ion:164 Resp: 170138
Ion Ratio Lower Upper
164 100
162 96.3 76.9 115.3
160 43.8 33.8 50.8

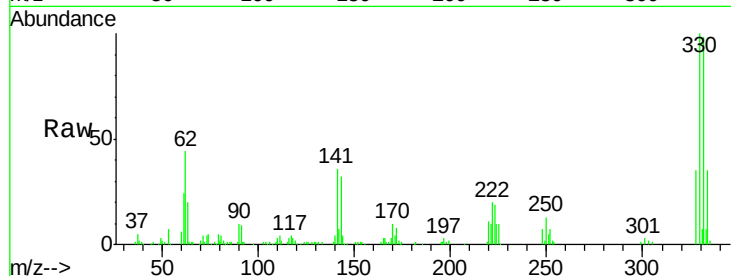




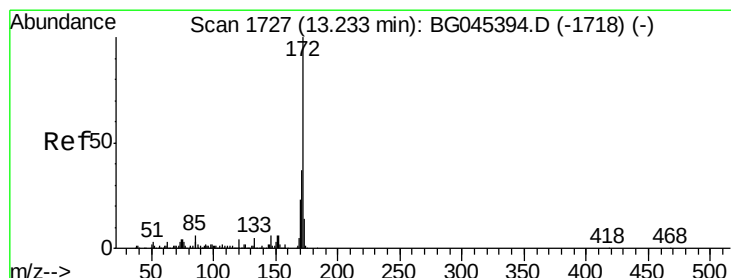
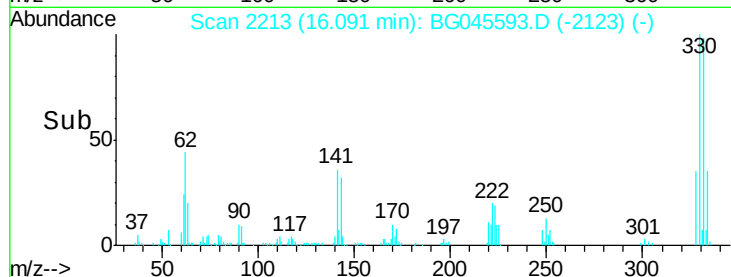
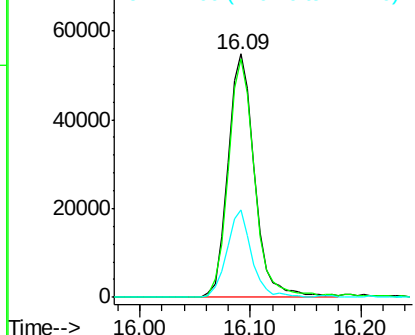
#42
 2,4,6-Tribromophenol
 Concen: 42.524 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: BG045593.D
 Acq: 3 Jun 2020 23:02

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 92527
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.2 117.4
 141 33.4 28.2 42.4

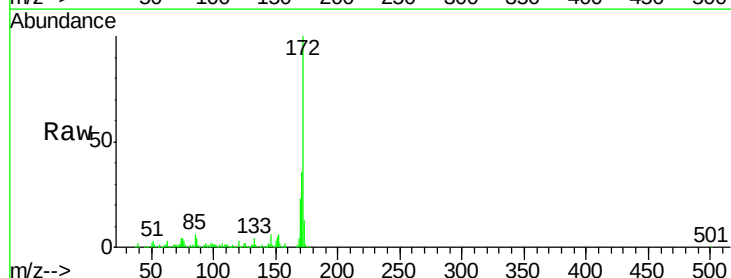


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

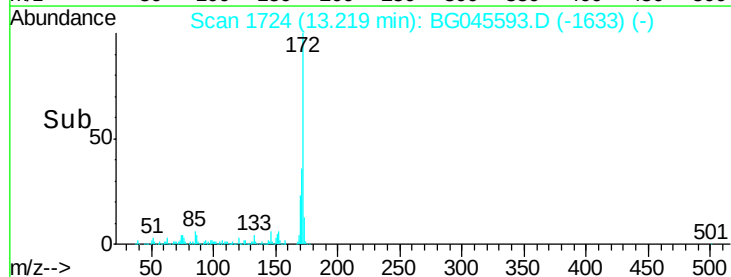
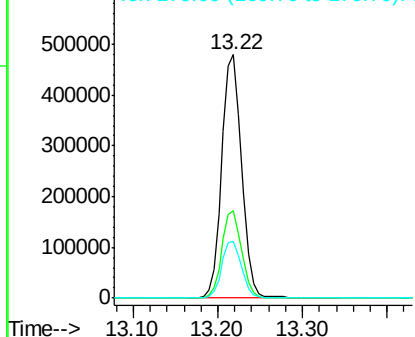


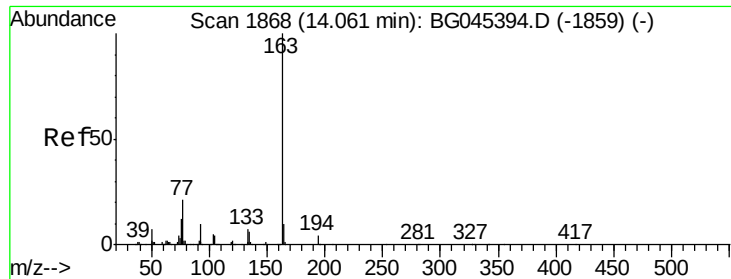
#45
 2-Fluorobiphenyl
 Concen: 78.350 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG045593.D
 Acq: 3 Jun 2020 23:02

Tgt Ion:172 Resp: 785885
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.5 44.3
 170 23.5 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: 9.706 ng

RT: 14.05 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

Instrument :

BNA_G

ClientSampleId :

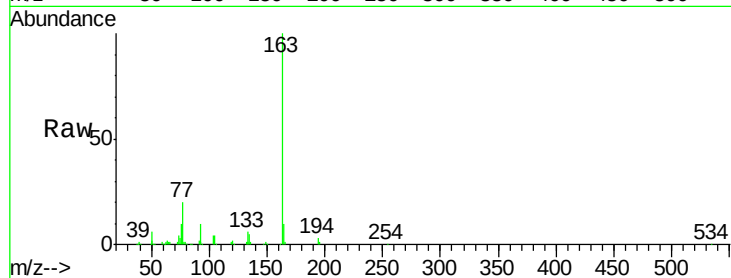
Tot Ion:163 Resp: 113277

Ion Ratio Lower Upper

163 100

194 3.4 3.2 4.8

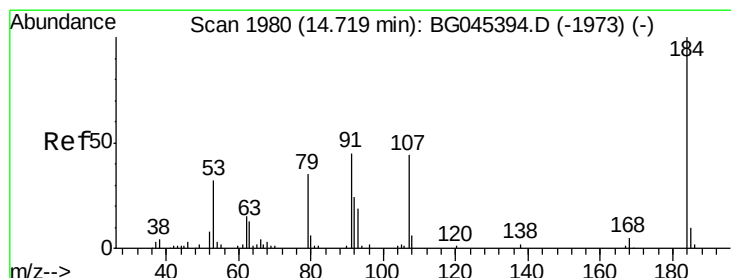
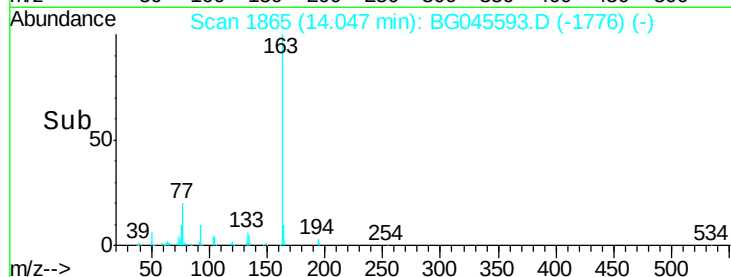
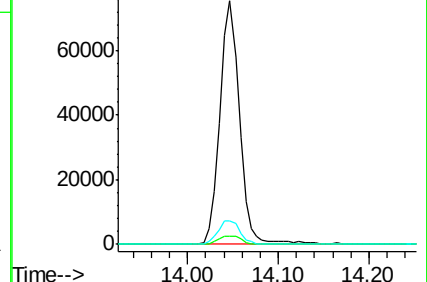
164 9.8 8.3 12.5



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: 5.489 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.04 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

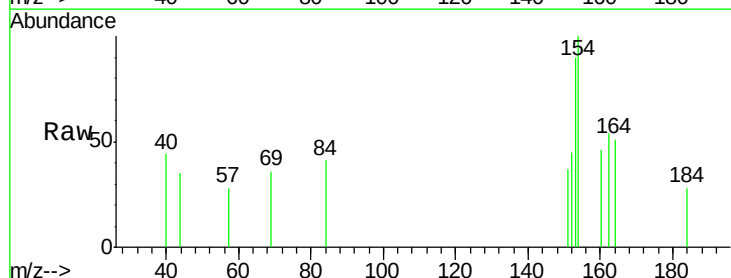
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

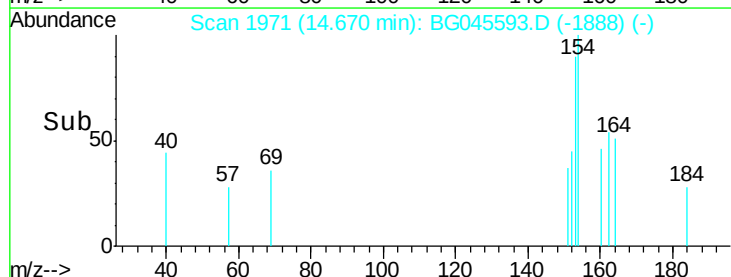
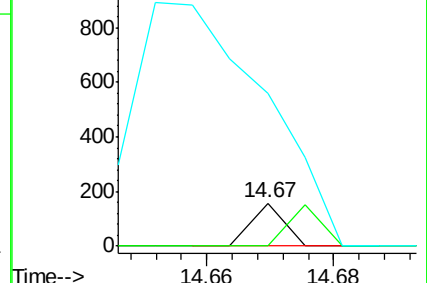
154 353.8 58.3 87.5#

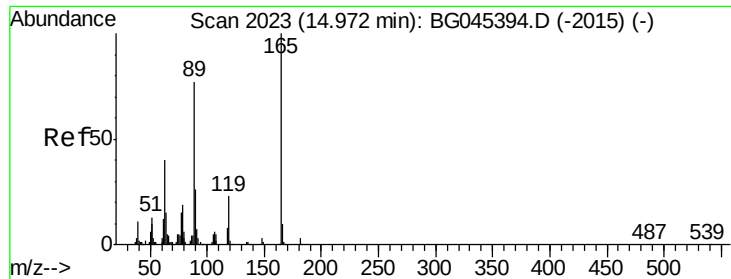


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.640 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.36 min

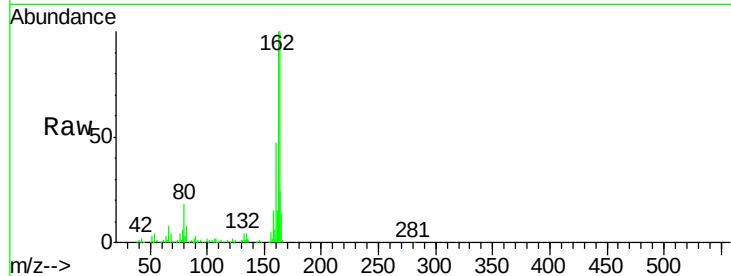
Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

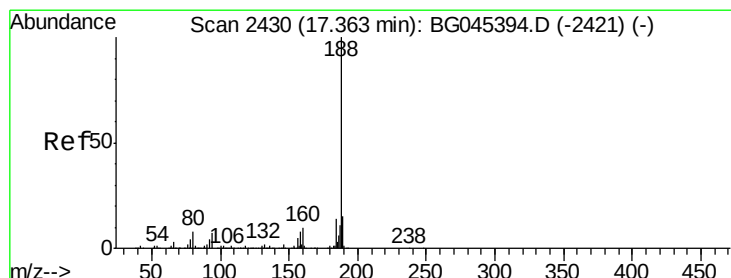
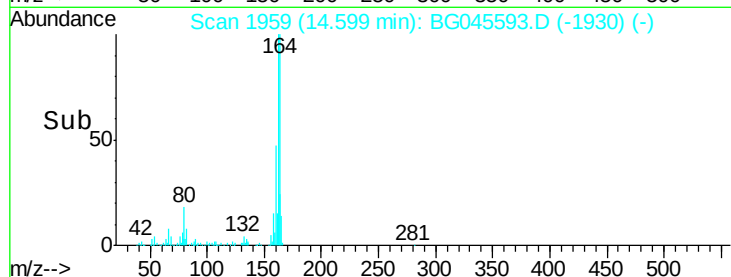
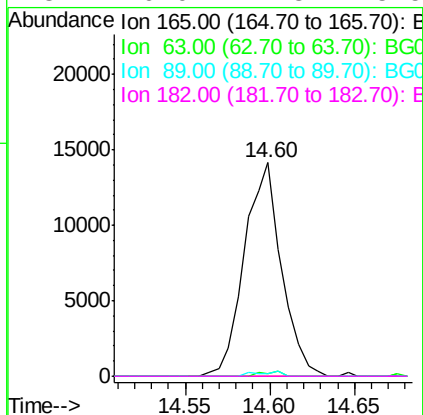
Instrument :

BNA_G

ClientSampleId :



Tot Ion:165	Resp: 21514
Ion Ratio	Lower Upper
165 100	
63 1.4	32.5 48.7#
89 1.2	61.8 92.6#
182 0.0	2.3 3.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

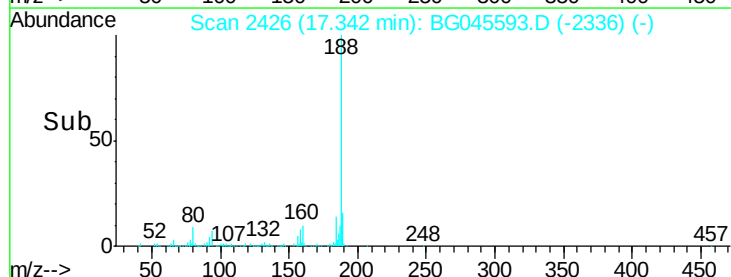
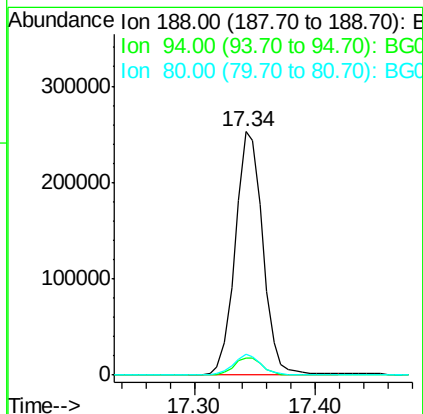
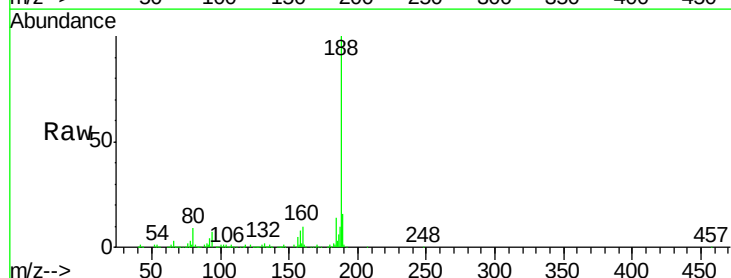
RT: 17.34 min Scan# 2426

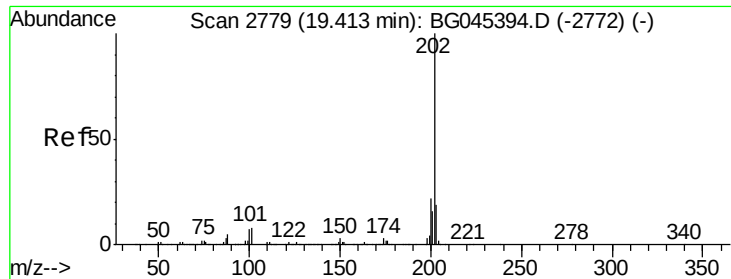
Delta R.T. -0.00 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

Tgt	Ion:188	Resp:	403611
Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.5	8.3
80	8.8	6.6	10.0





#75

Fluoranthene

Concen: 4.075 ng

RT: 19.40 min Scan# 2776

Delta R.T. -0.00 min

Lab File: BG045593.D

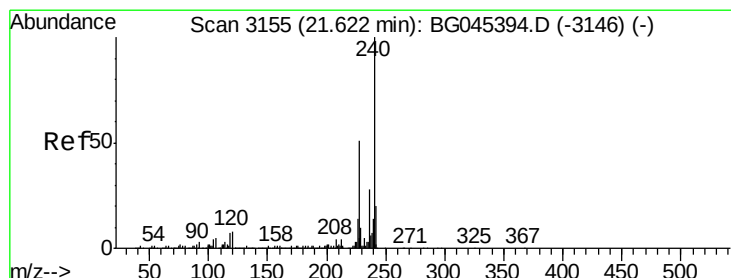
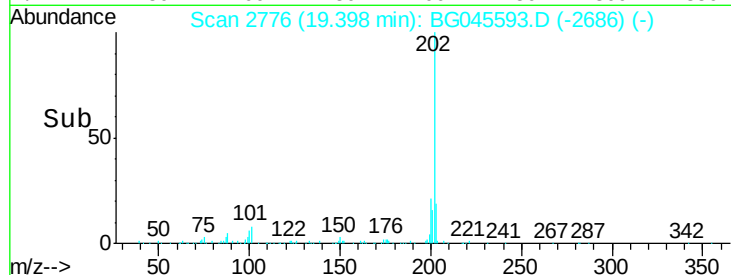
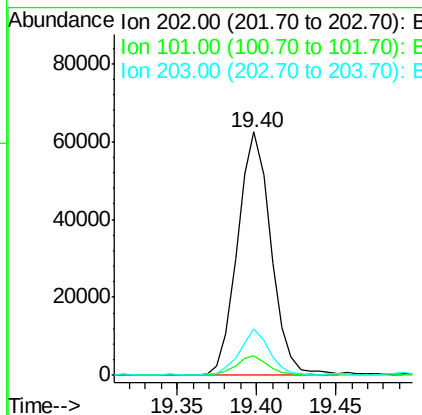
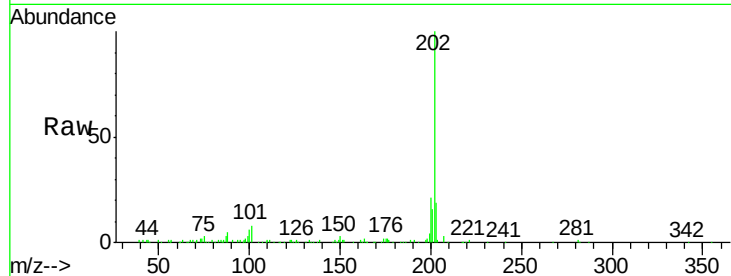
Acq: 3 Jun 2020 23:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	91327
Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.3
203	19.1	0.0	39.0



#76

Chrysene-d12

Concen: 20.000 ng

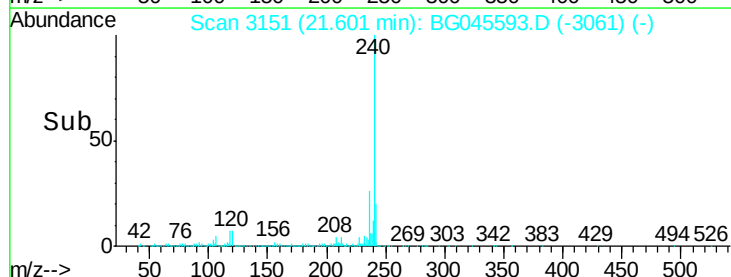
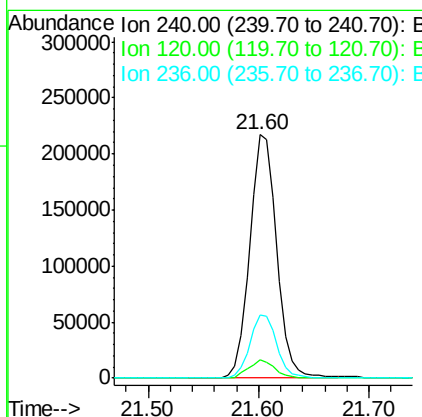
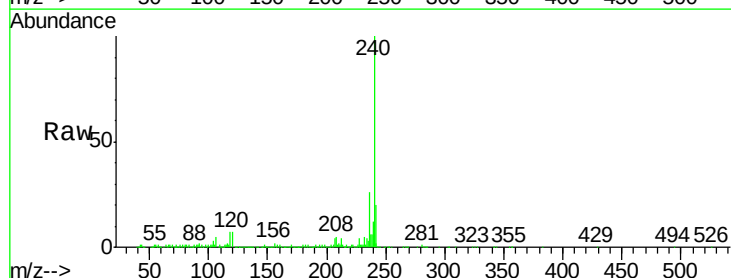
RT: 21.60 min Scan# 3151

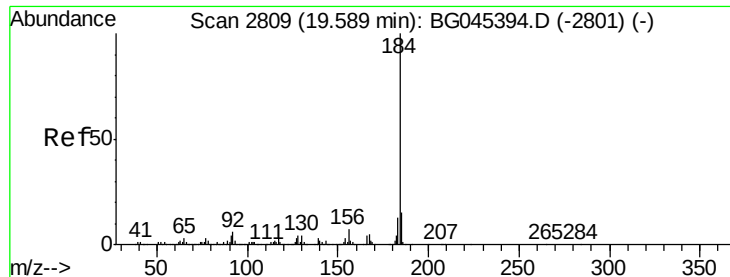
Delta R.T. -0.00 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

Tgt Ion:	240	Resp:	372703
Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.1	9.1
236	25.7	22.3	33.5





#77

Benzidine

Concen: 2.231 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.39 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

Instrument :

BNA_G

ClientSampled :

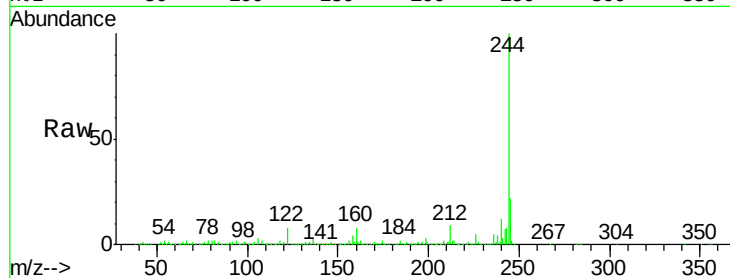
Tot Ion:184 Resp: 23357

Ion Ratio Lower Upper

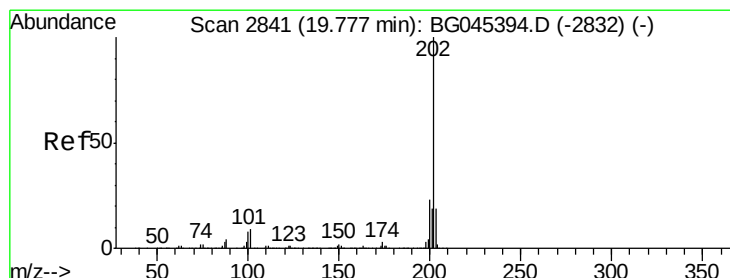
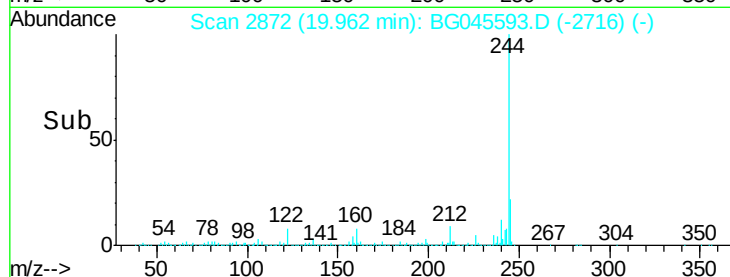
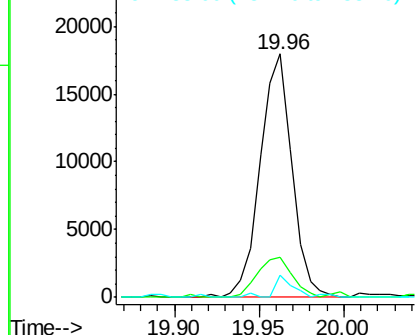
184 100

185 16.3 11.7 17.5

183 9.1 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: 4.299 ng

RT: 19.40 min Scan# 2776

Delta R.T. -0.36 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

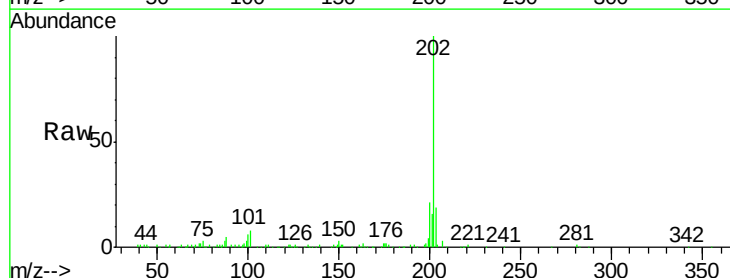
Tgt Ion:202 Resp: 91327

Ion Ratio Lower Upper

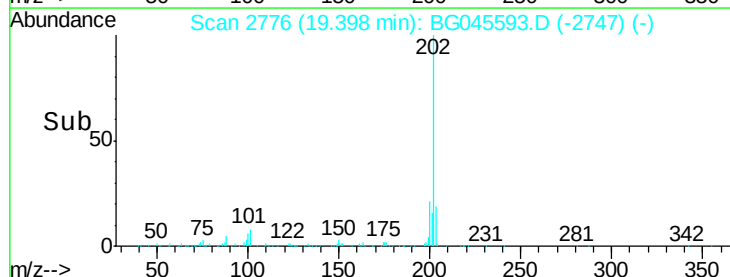
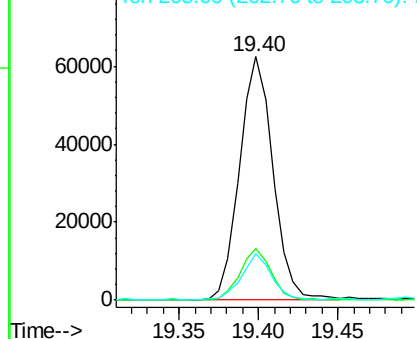
202 100

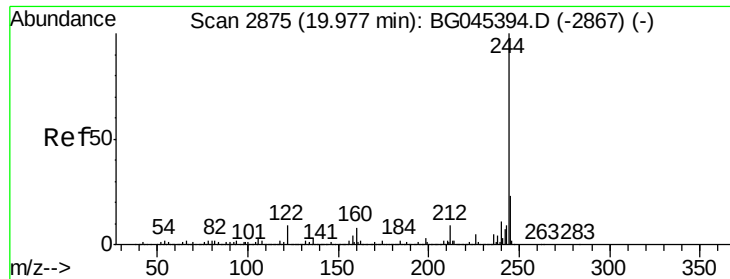
200 21.0 18.2 27.2

203 19.1 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: 82.752 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

Instrument :

BNA_G

ClientSampleId :

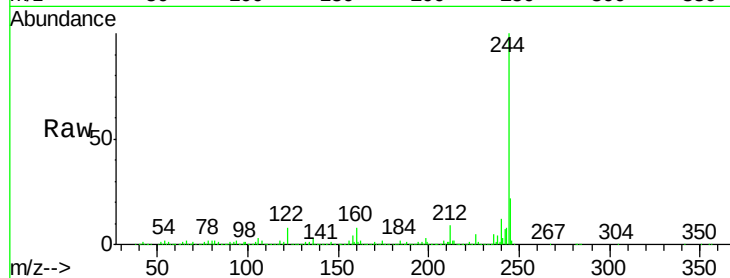
Tot Ion:244 Resp: 1322376

Ion Ratio Lower Upper

244 100

212 8.9 7.4 11.0

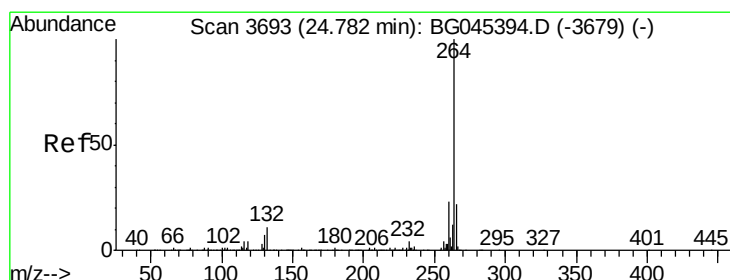
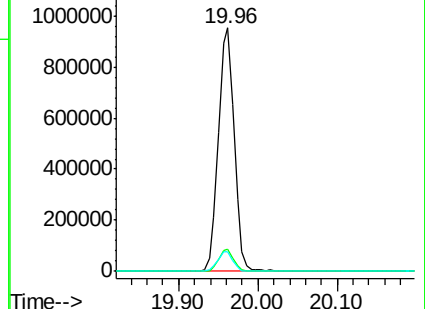
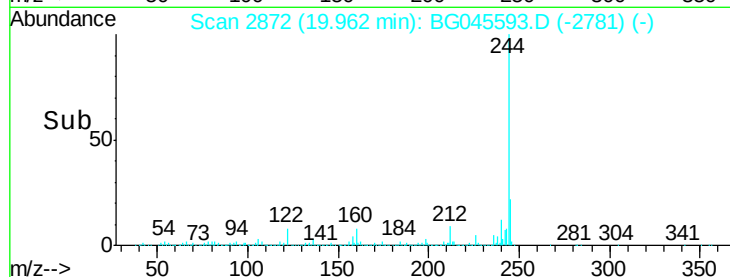
122 7.9 6.8 10.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3687

Delta R.T. -0.00 min

Lab File: BG045593.D

Acq: 3 Jun 2020 23:02

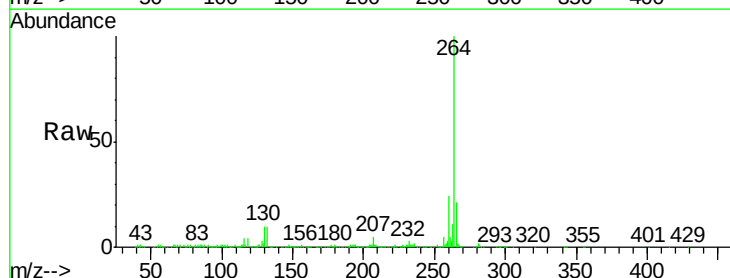
Tgt Ion:264 Resp: 403797

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

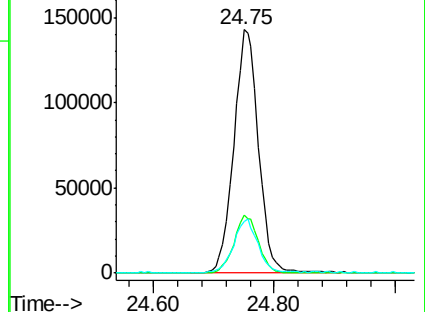
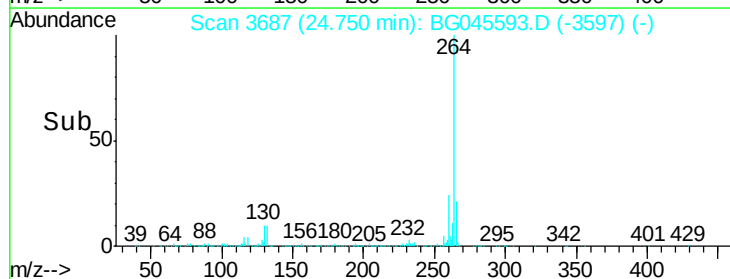
265 21.4 17.6 26.4

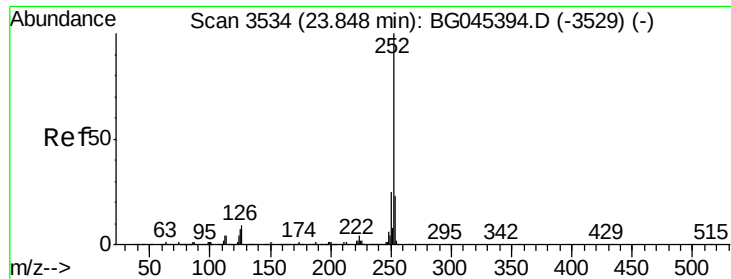


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(k)fluoranthene

Concen: 2.037 ng

RT: 23.76 min Scan# 3518

Delta R.T. -0.07 min

Lab File: BG045593.D

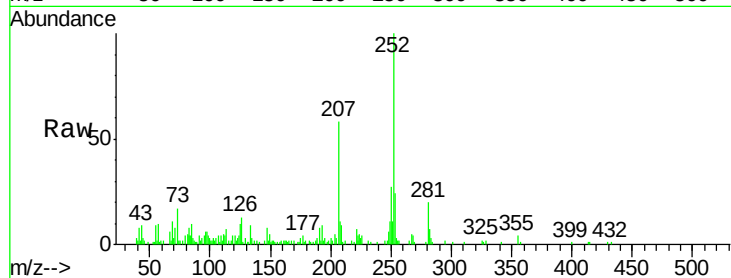
Acq: 3 Jun 2020 23:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	41453
Ion Ratio	Lower	Upper
252	100	
253	24.0	18.4 27.6
125	10.4	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

