

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051420\
 Data File : BG045389.D
 Acq On : 14 May 2020 22:31
 Operator : CG/JU
 Sample : L2605-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 15 00:40:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 13:01:16 2020
 Response via : Initial Calibration

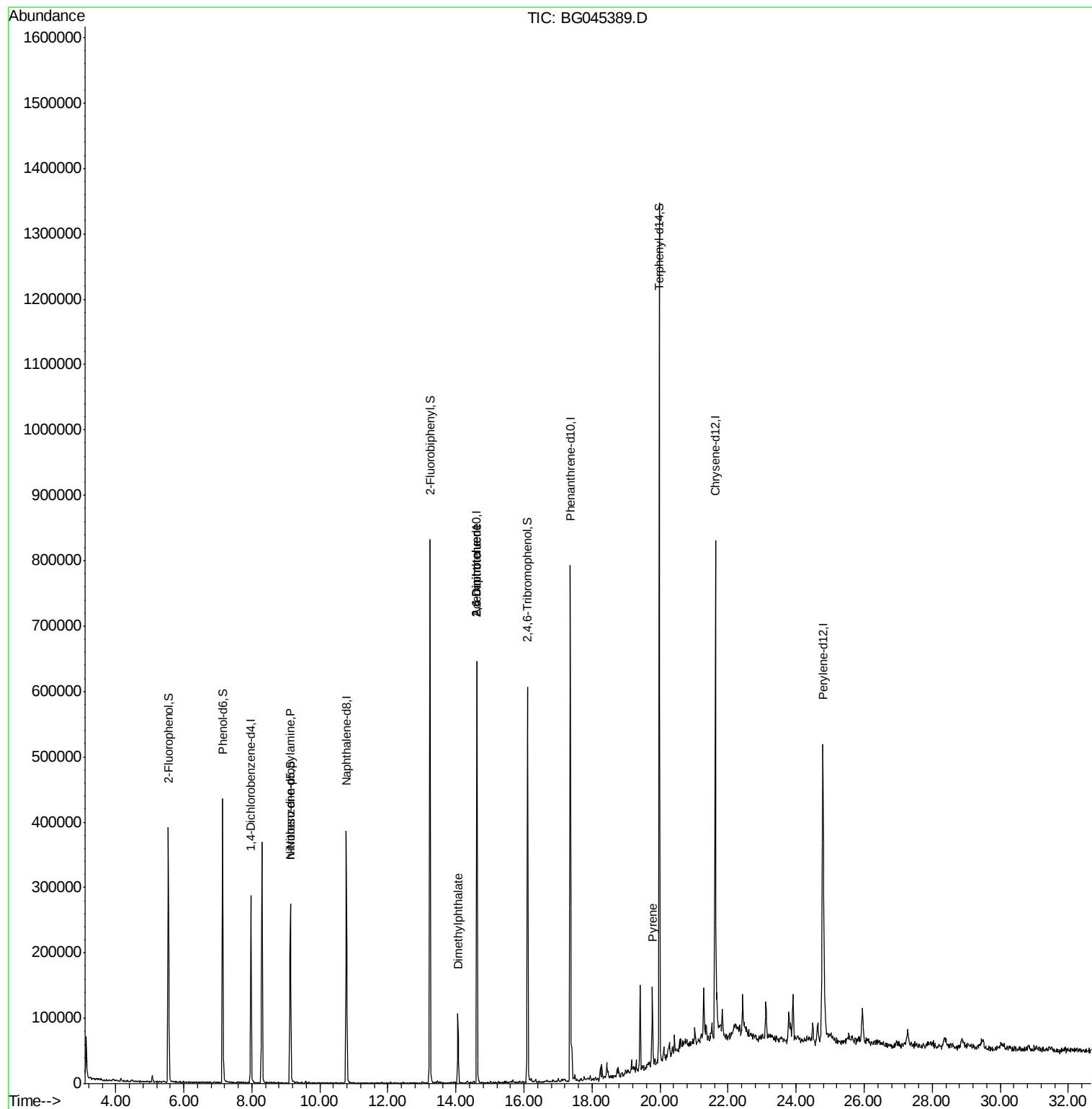
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	85195	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	356044	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	246577	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	520975	20.00	ng	0.00
76) Chrysene-d12	21.63	240	457782	20.00	ng	0.00
87) Perylene-d12	24.79	264	498712	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	196131	38.01	ng	0.00
7) Phenol-d6	7.14	99	286651	37.39	ng	0.00
23) Nitrobenzene-d5	9.13	82	192823	24.71	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	125736	33.01	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	460637	27.39	ng	0.00
79) Terphenyl-d14	19.97	244	655205	31.20	ng	0.00
Target Compounds						
9) Benzaldehyde	7.13	77	477	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	25905	4.778 ng	#	82
50) Dimethylphthalate	14.06	163	72401	3.606 ng	#	96
51) 2,6-Dinitrotoluene	14.61	165	32825	7.309 ng	#	25
57) 2,4-Dinitrotoluene	14.61	165	32825	5.002 ng	#	23
74) Di-n-butylphthalate	18.32	149	852	Below Cal	#	76
75) Fluoranthene	19.42	202	80709	Below Cal	#	92
77) Benzidine	19.97	184	11270	Below Cal	#	94
78) Pyrene	19.77	202	84861	2.689 ng	#	91

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

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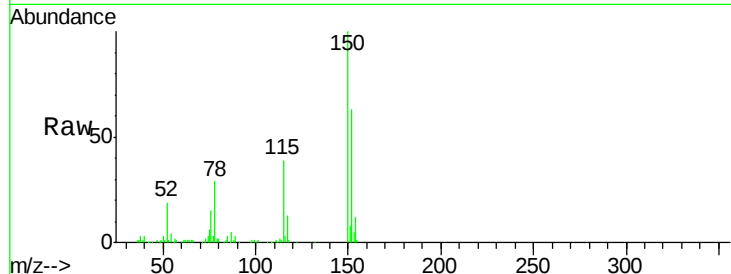


#1

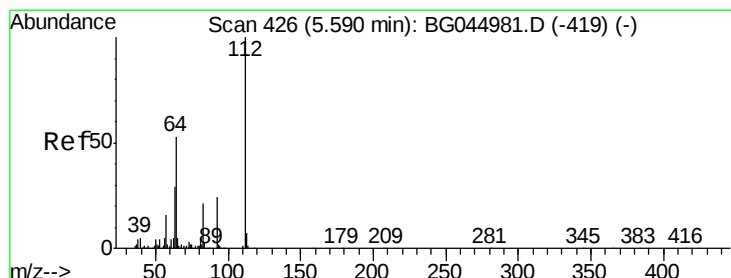
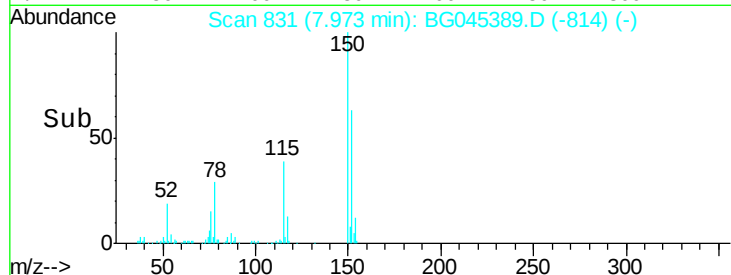
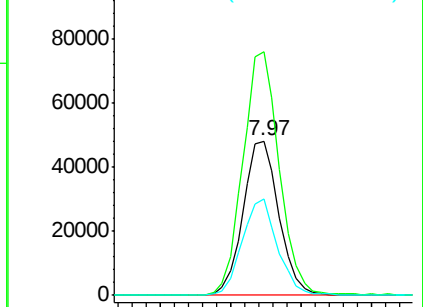
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG045389.D
Acq: 14 May 2020 22:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.6	185.4
115	62.4	49.1	73.7



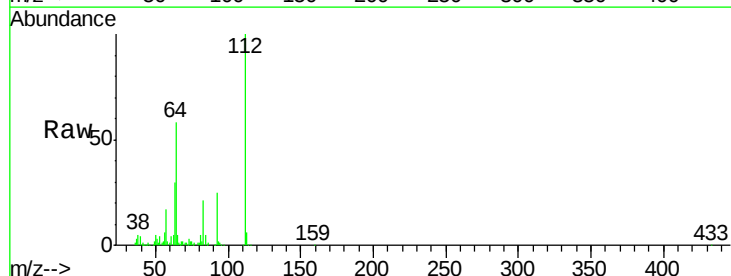
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



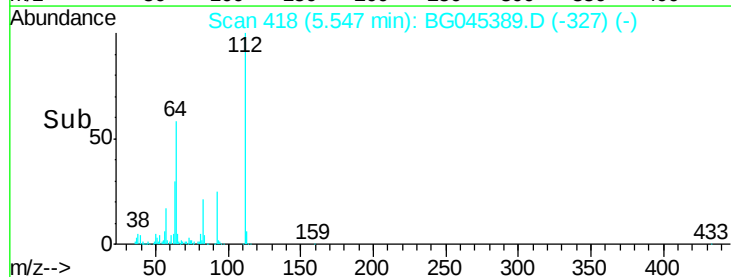
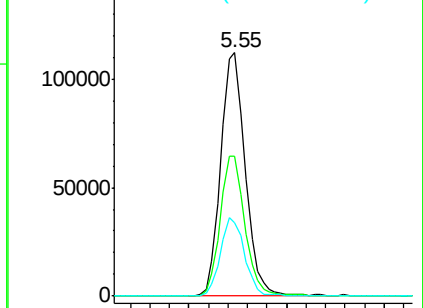
#5

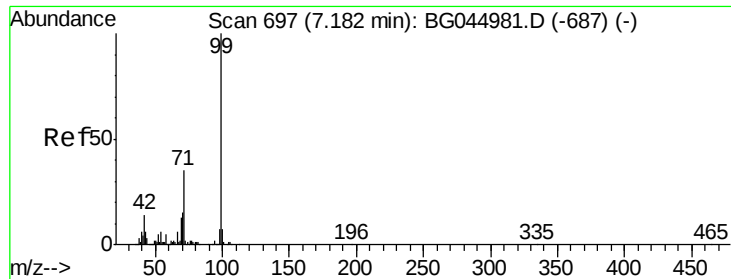
2-Fluorophenol
Concen: 38.007 ng
RT: 5.55 min Scan# 418
Delta R.T. 0.00 min
Lab File: BG045389.D
Acq: 14 May 2020 22:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	42.4	63.6
63	30.4	23.1	34.7



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: 37.388 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Instrument :

BNA_G

ClientSampleId :

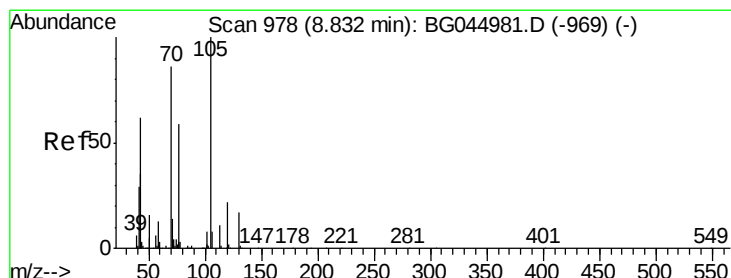
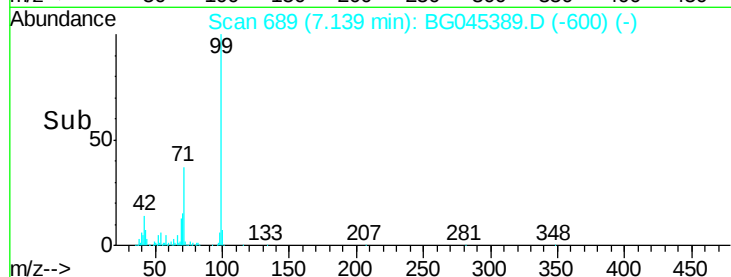
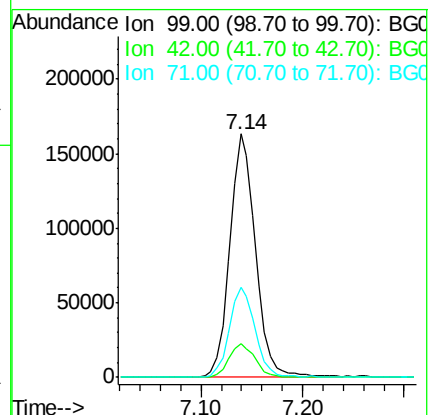
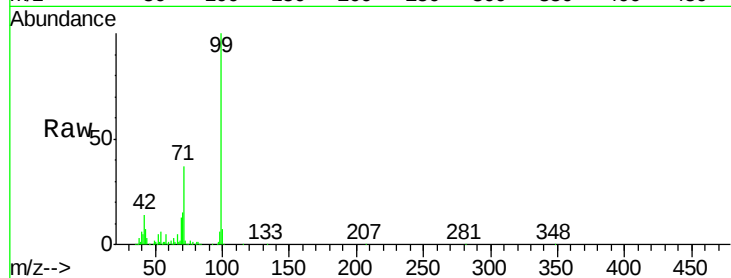
Tot Ion: 99 Resp: 286651

Ion Ratio Lower Upper

99 100

42 13.9 11.3 16.9

71 36.9 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 4.778 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Tgt Ion: 70 Resp: 25905

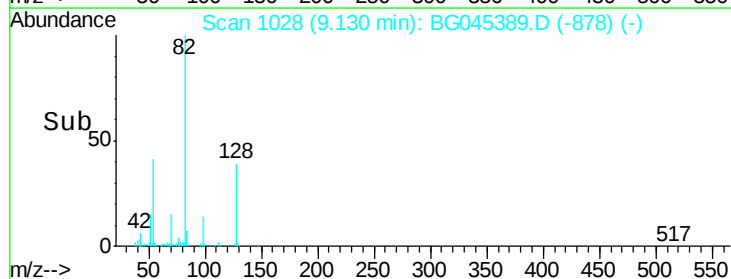
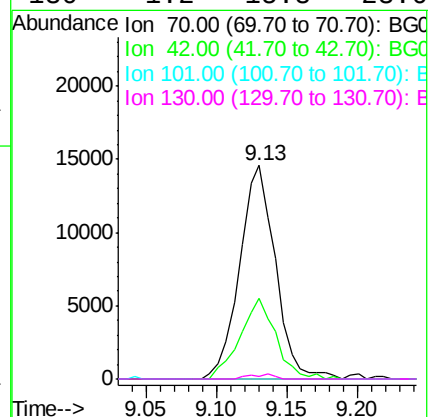
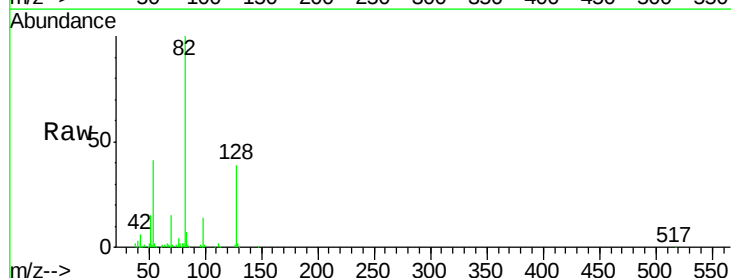
Ion Ratio Lower Upper

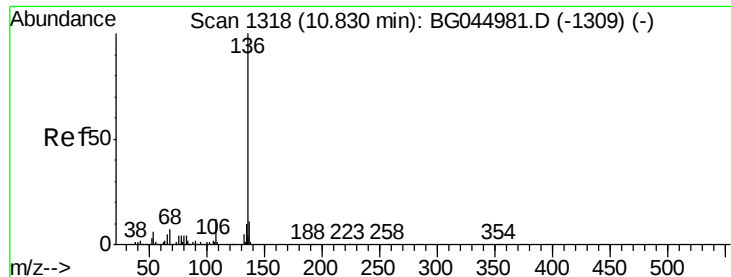
70 100

42 38.0 33.3 49.9

101 0.0 7.8 11.8#

130 1.2 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 356044

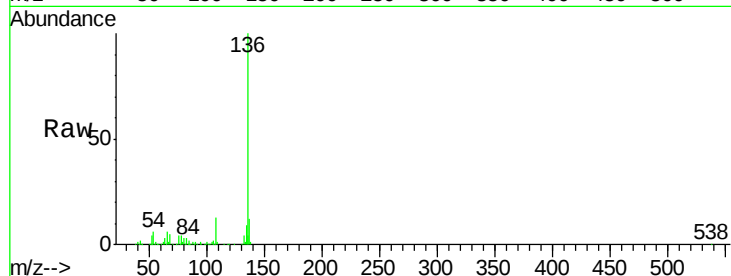
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 6.0 4.8 7.2

68 5.5 5.2 7.8

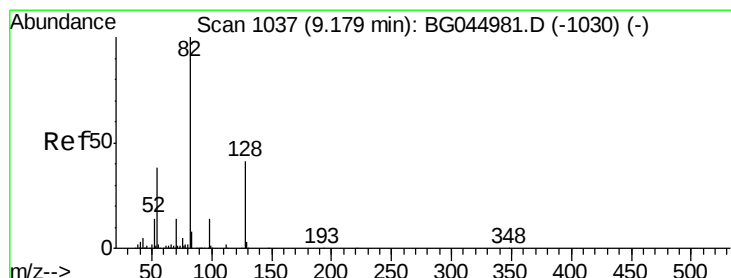
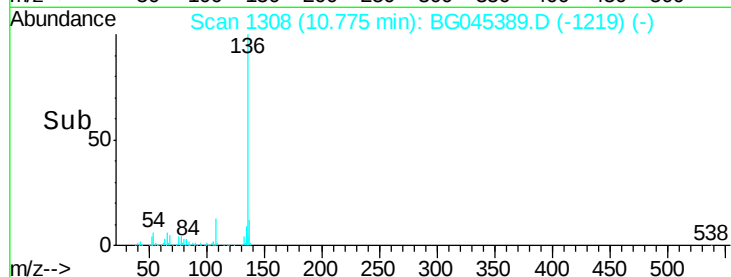
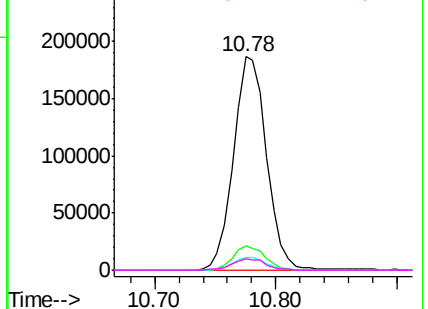


Abundance Ion 136.00 (135.70 to 136.70): E

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: 24.711 ng

RT: 9.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

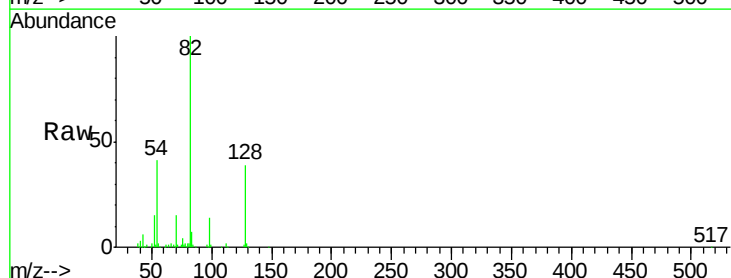
Tgt Ion: 82 Resp: 192823

Ion Ratio Lower Upper

82 100

128 39.1 33.0 49.4

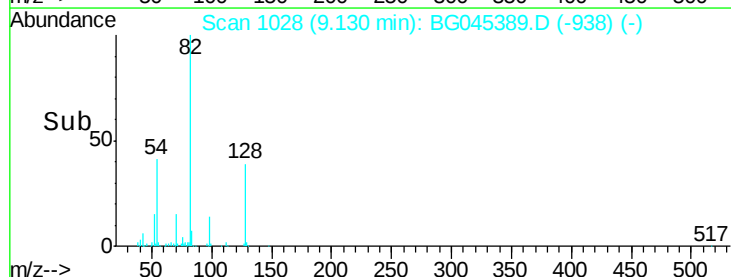
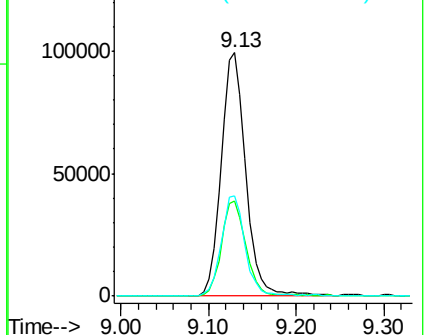
54 41.0 30.4 45.6

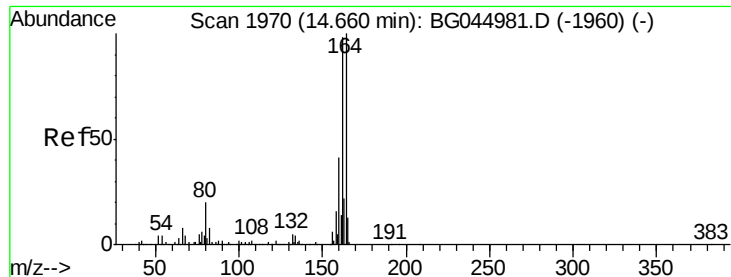


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

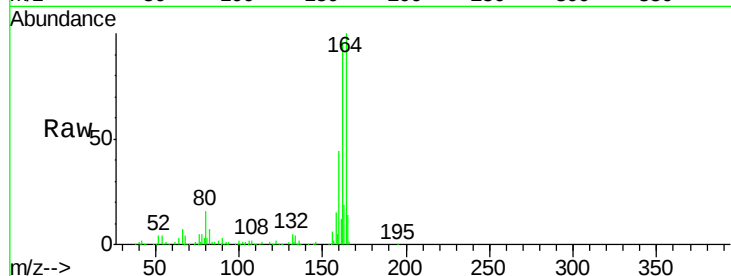
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 246577

Ion	Ratio	Lower	Upper
164	100		
162	96.3	78.7	118.1
160	44.3	32.8	49.2



Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

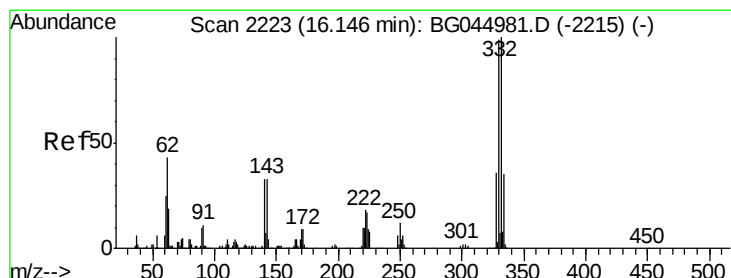
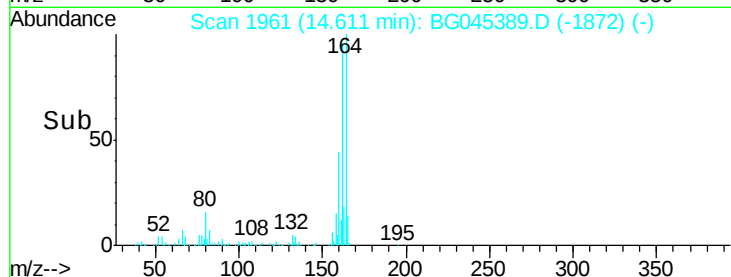
Ion 160.00 (159.70 to 160.70): E

14.61

14.60

14.70

Time-->



#42

2,4,6-Tribromophenol

Concen: 33.008 ng

RT: 16.10 min Scan# 2215

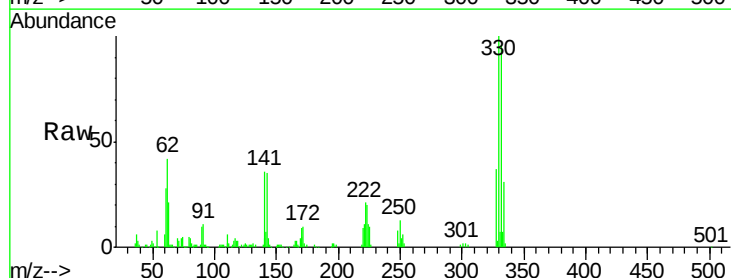
Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Tgt Ion:330 Resp: 125736

Ion	Ratio	Lower	Upper
330	100		
332	98.1	79.1	118.7
141	34.5	27.1	40.7



Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

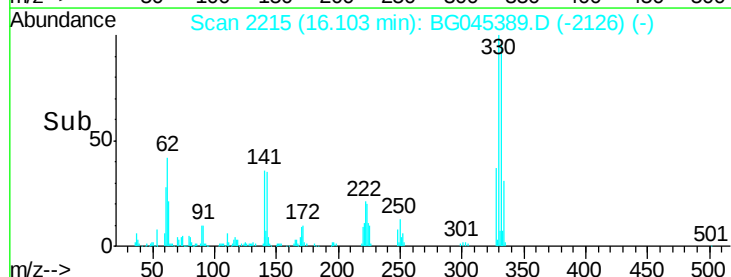
Ion 141.00 (140.70 to 141.70): E

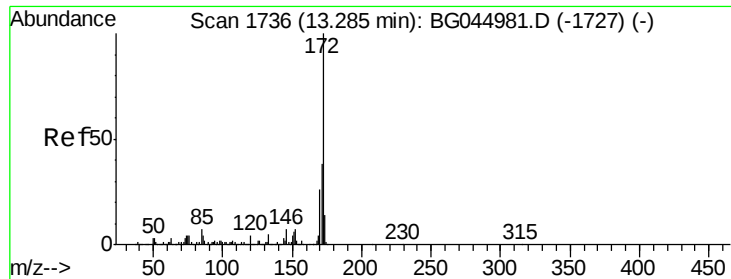
16.10

16.00

16.20

Time-->

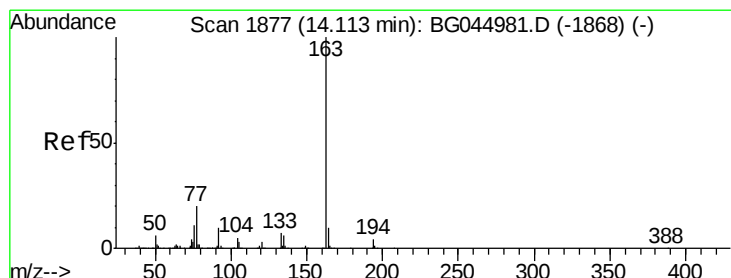
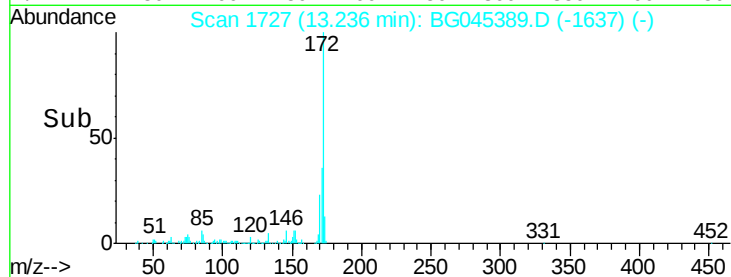
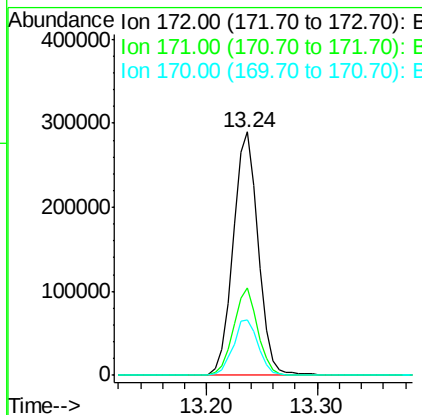
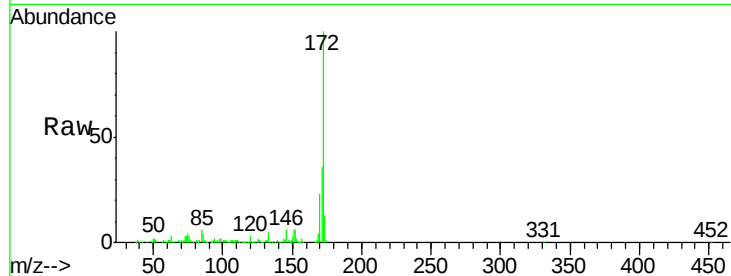




#45
 2-Fluorobiphenyl
 Concen: 27.393 ng
 RT: 13.24 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG045389.D
 Acq: 14 May 2020 22:31

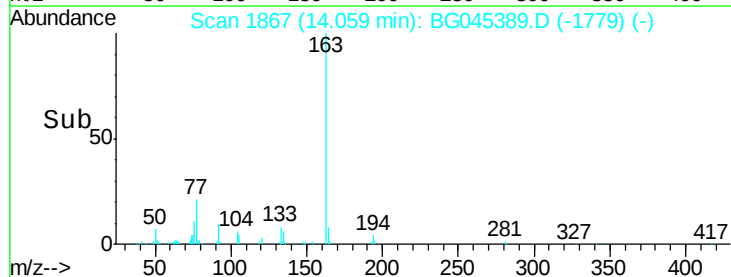
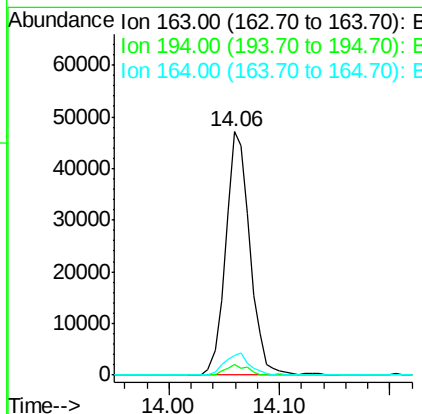
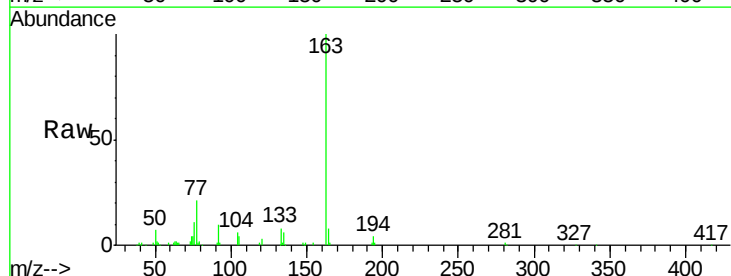
Instrument :
 BNA_G
 ClientSampleId :

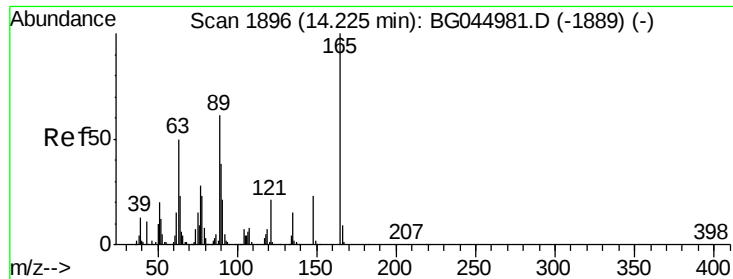
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.6	46.0
170	22.5	20.5	30.7



#50
 Dimethylphthalate
 Concen: 3.606 ng
 RT: 14.06 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BG045389.D
 Acq: 14 May 2020 22:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	8.2	8.2	12.4#

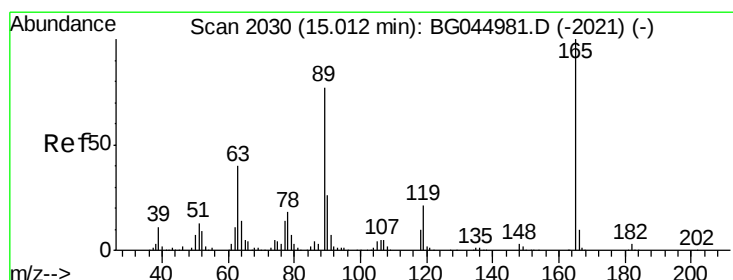
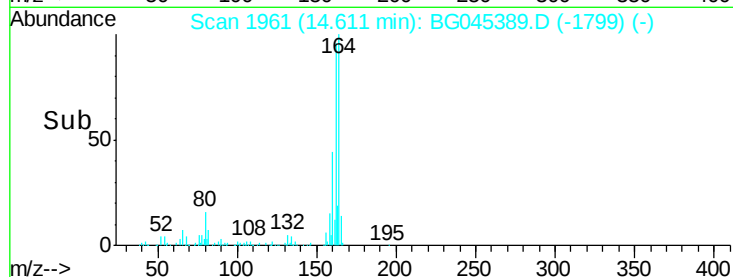
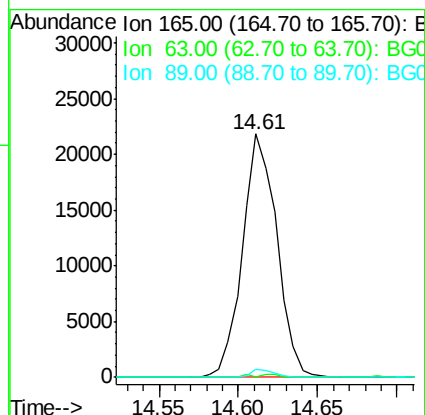
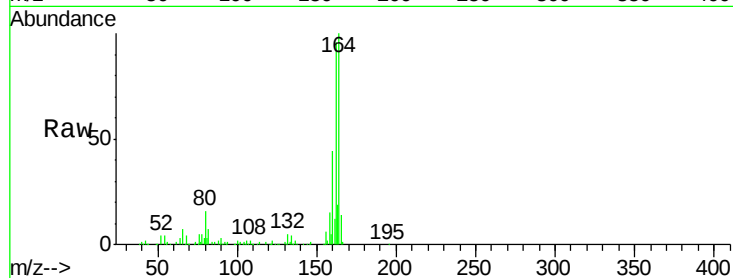




#51
 2,6-Dinitrotoluene
 Concen: 7.309 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. 0.42 min
 Lab File: BG045389.D
 Acq: 14 May 2020 22:31

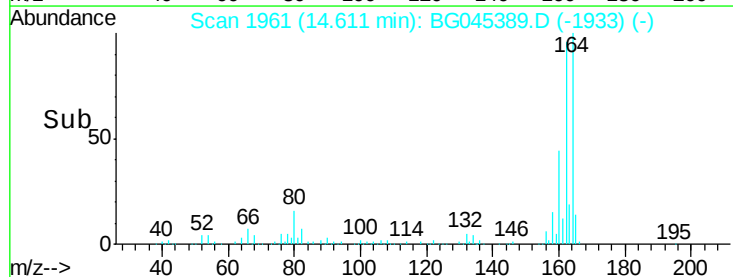
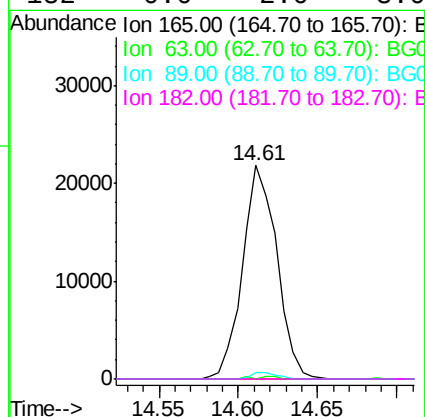
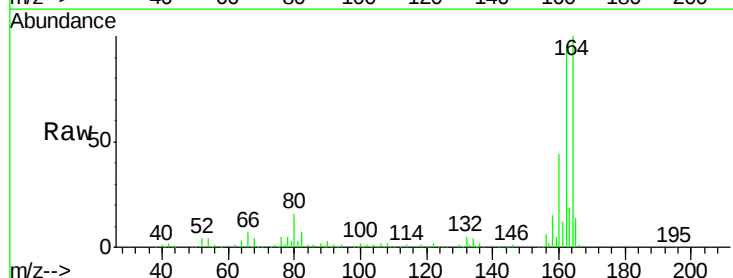
Instrument :
 BNA_G
 ClientSampleId :

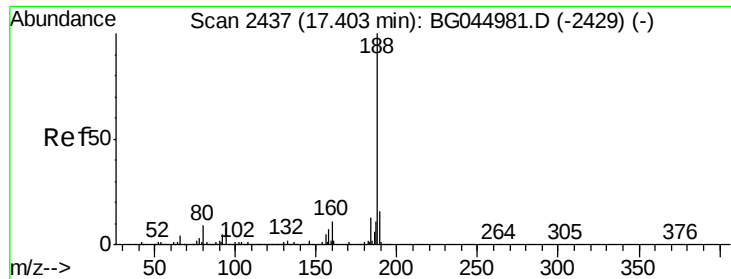
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	3.1	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.002 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.37 min
 Lab File: BG045389.D
 Acq: 14 May 2020 22:31

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Instrument :

BNA_G

ClientSampleId :

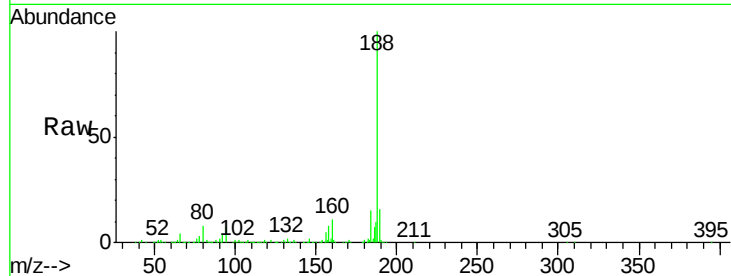
Tot Ion:188 Resp: 520975

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

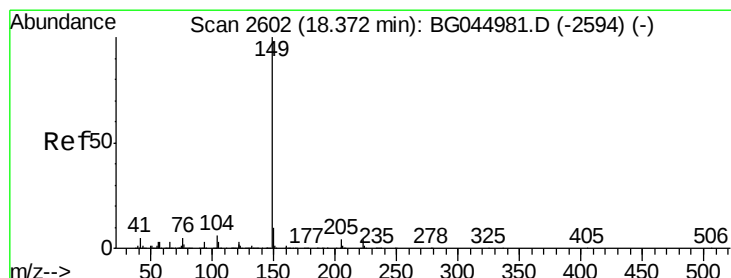
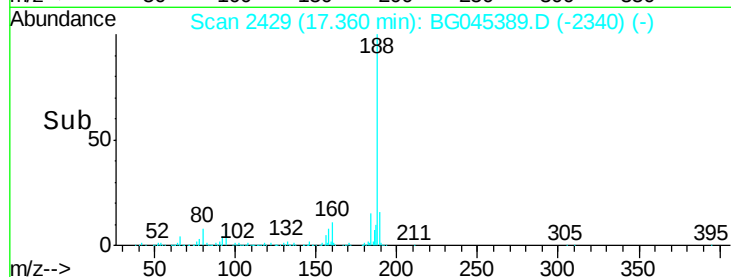
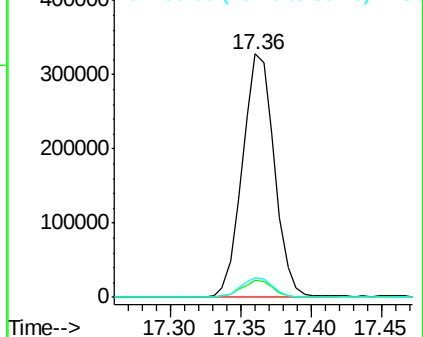
80 8.2 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.32 min Scan# 2593

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

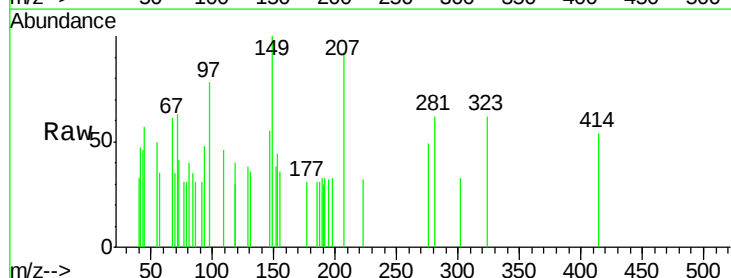
Tgt Ion:149 Resp: 852

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

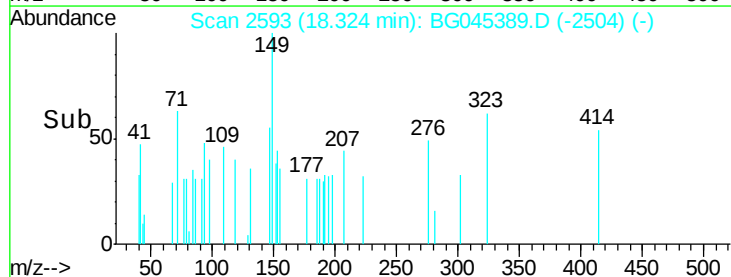
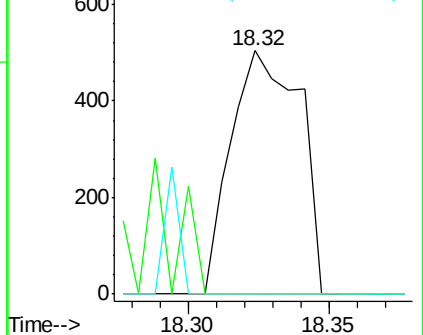
104 0.0 4.8 7.2#

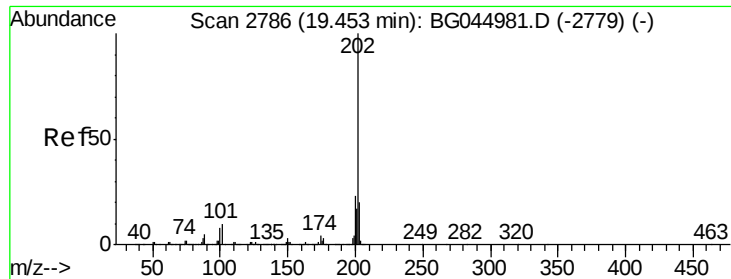


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2779

Delta R.T. -0.00 min

Lab File: BG045389.D

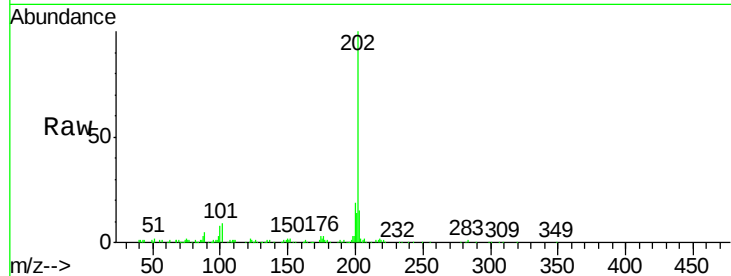
Acq: 14 May 2020 22:31

Instrument :

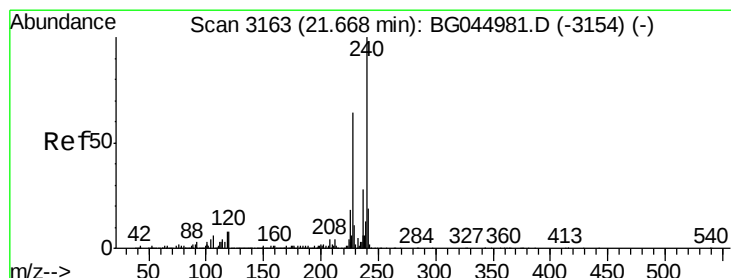
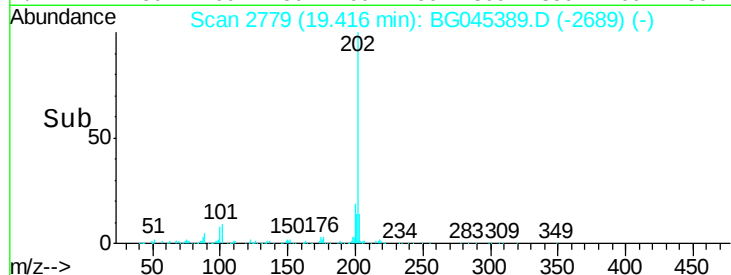
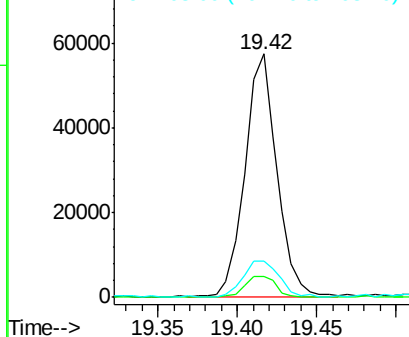
BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	80709
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	29.6
203	15.0	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

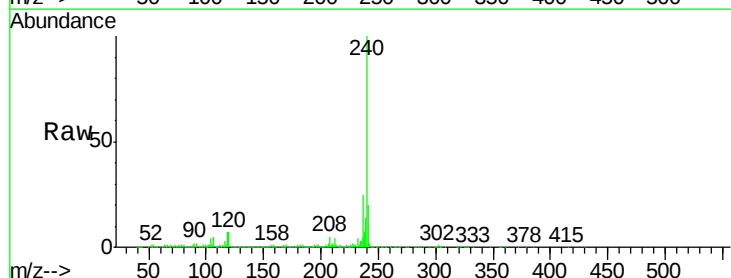
RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

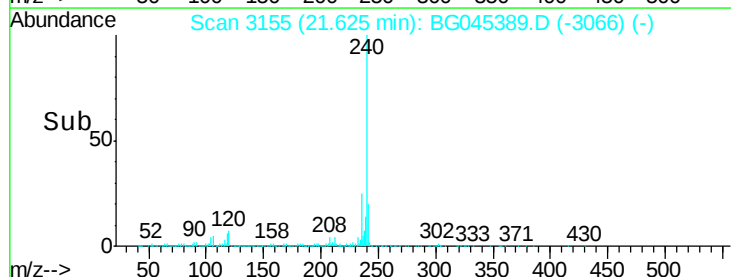
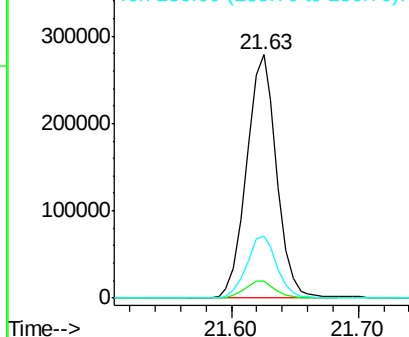
Lab File: BG045389.D

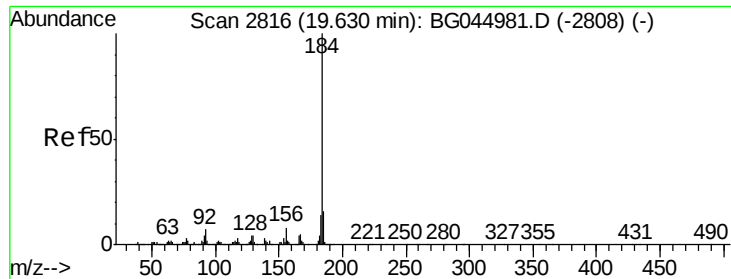
Acq: 14 May 2020 22:31

Tgt Ion:	240	Resp:	457782
Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.6	10.0
236	25.2	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: 19.97 min Scan# 2874

Delta R.T. 0.38 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Instrument :

BNA_G

ClientSampleId :

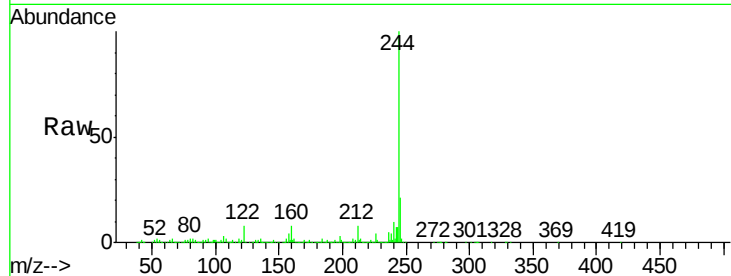
Tot Ion:184 Resp: 11270

Ion Ratio Lower Upper

184 100

185 20.5 12.6 19.0#

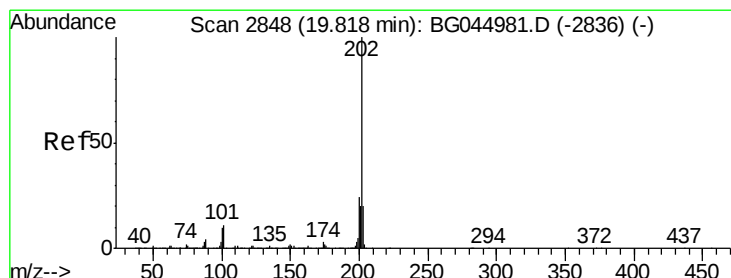
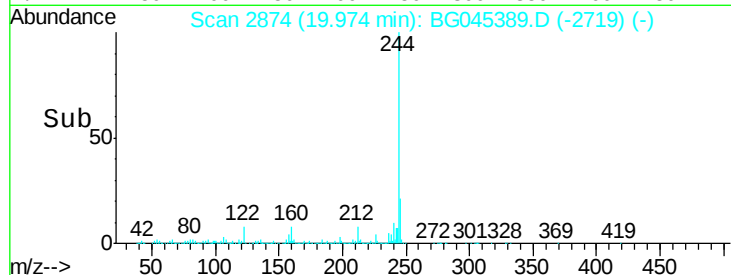
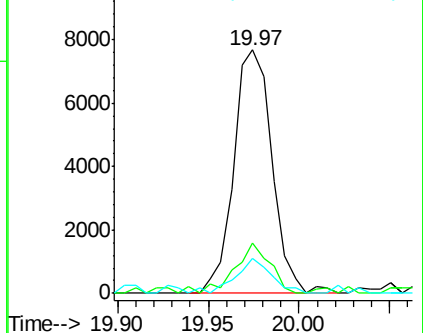
183 14.6 11.3 16.9



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

Pyrene

Concen: 2.689 ng

RT: 19.77 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

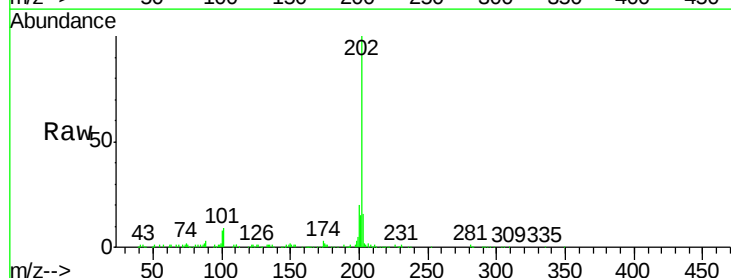
Tgt Ion:202 Resp: 84861

Ion Ratio Lower Upper

202 100

200 19.6 19.0 28.6

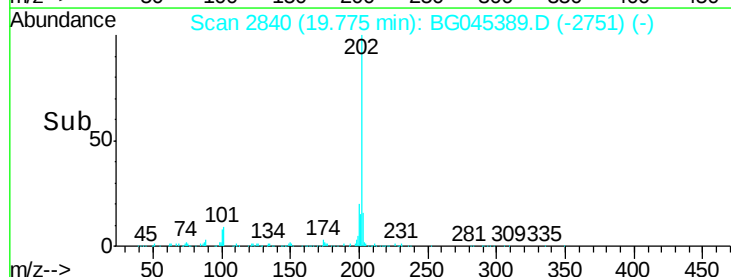
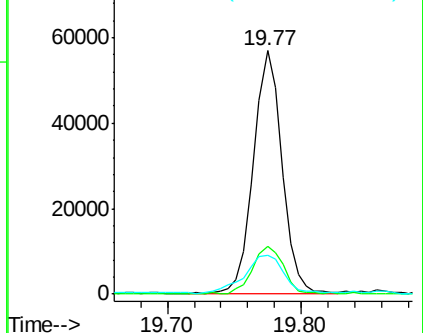
203 16.0 16.1 24.1#

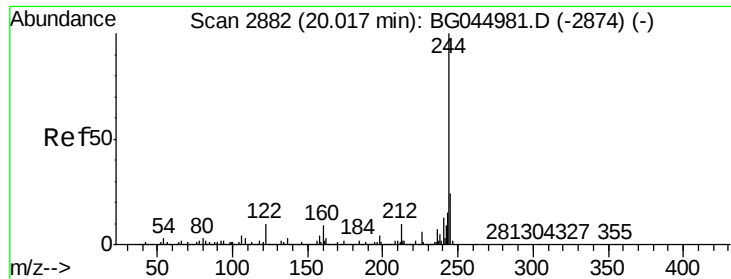


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

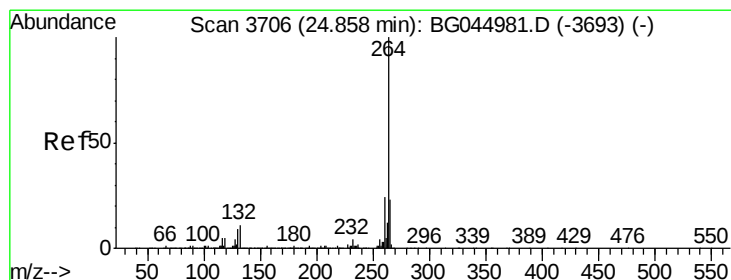
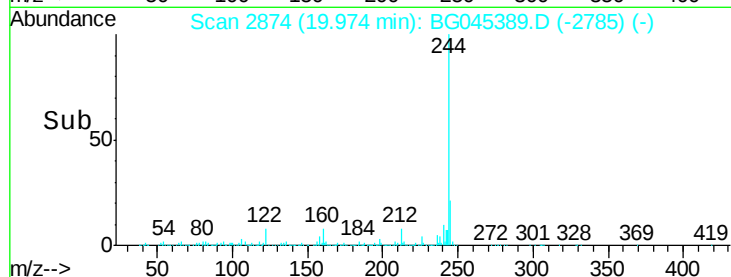
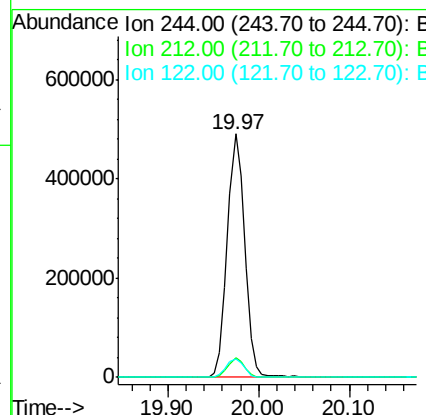
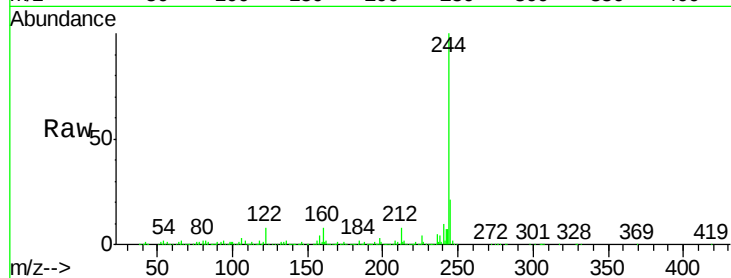




#79
 Terphenyl-d14
 Concen: 31.195 ng
 RT: 19.97 min Scan# 2874
 Delta R.T. -0.01 min
 Lab File: BG045389.D
 Acq: 14 May 2020 22:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.9	11.9
122	7.7	7.7	11.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.79 min Scan# 3693
 Delta R.T. -0.01 min
 Lab File: BG045389.D
 Acq: 14 May 2020 22:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	19.0	28.4

