

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
 Data File : BG045933.D
 Acq On : 3 Jul 2020 4:47
 Operator : CG/JU
 Sample : L3188-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-070120

Quant Time: Jul 03 07:00:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 14:02:29 2020
 Response via : Initial Calibration

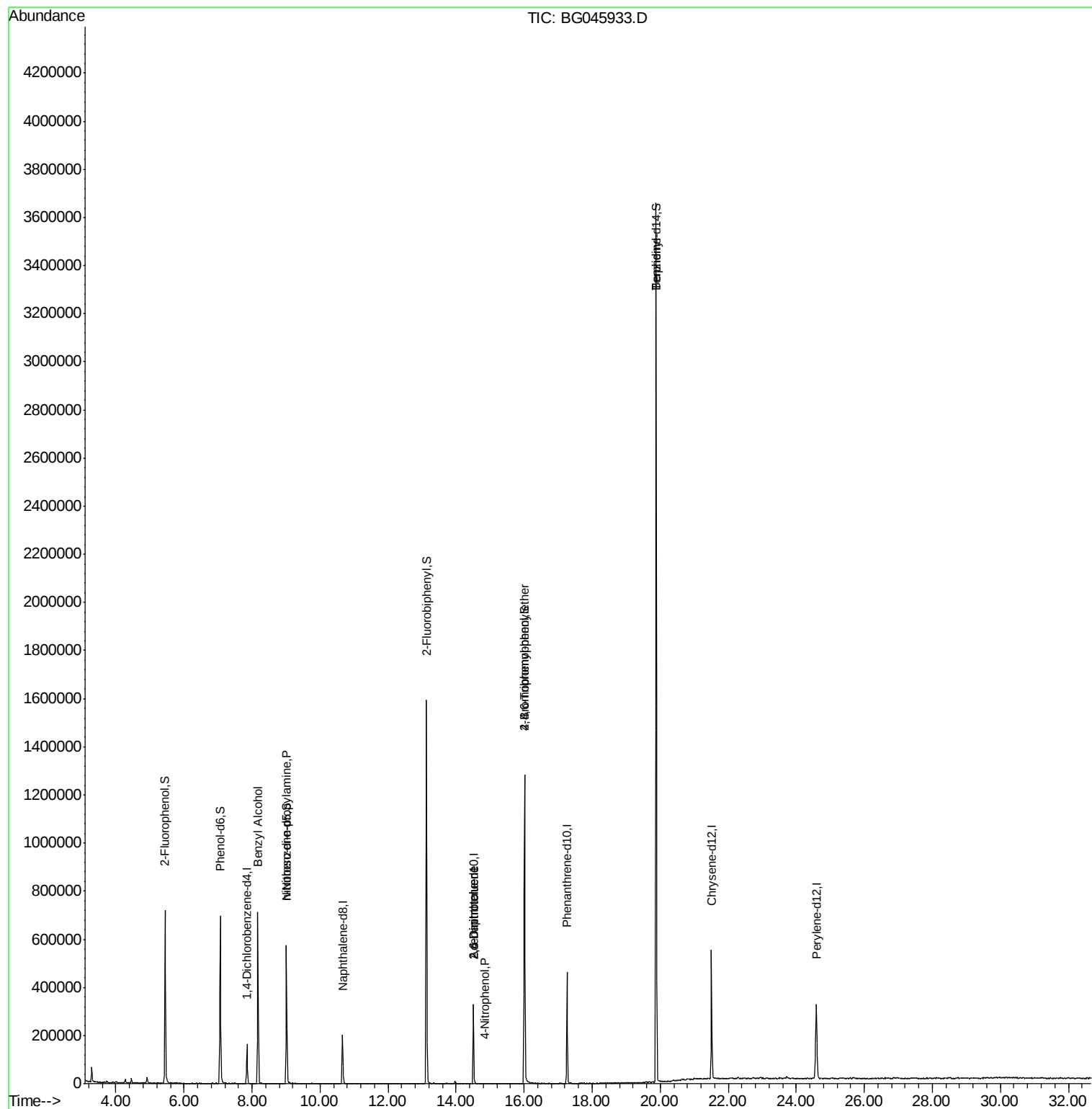
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	47481	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	180071	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	127100	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	300002	20.00	ng	0.00
76) Chrysene-d12	21.51	240	331498	20.00	ng	-0.01
86) Perylene-d12	24.59	264	332794	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	342942	122.01	ng	-0.01
7) Phenol-d6	7.06	99	454576	106.32	ng	-0.01
23) Nitrobenzene-d5	9.01	82	387793	98.38	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	263333	137.23	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	862811	99.76	ng	0.00
79) Terphenyl-d14	19.88	244	1717846	105.02	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.18	79	6639	2.007	ng	# 46
19) n-Nitroso-di-n-propylamine	9.01	70	53626	19.078	ng	# 79
51) 2,6-Dinitrotoluene	14.51	165	16107	7.202	ng	# 26
56) 4-Nitrophenol	14.83	139	55	4.006	ng	# 1
57) 2,4-Dinitrotoluene	14.51	165	16107	5.027	ng	# 23
67) 4-Bromophenyl-phenylether	16.01	248	17728	4.548	ng	# 1
77) Benzidine	19.88	184	33208	3.853	ng	# 89

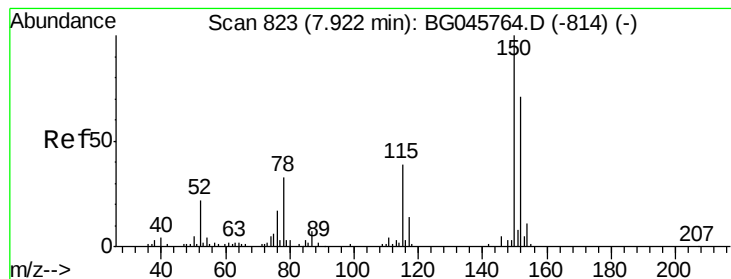
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG045933.D
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Sample : L3188-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-04-070120

Quant Time: Jul 03 07:00:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 02 14:02:29 2020
Response via : Initial Calibration



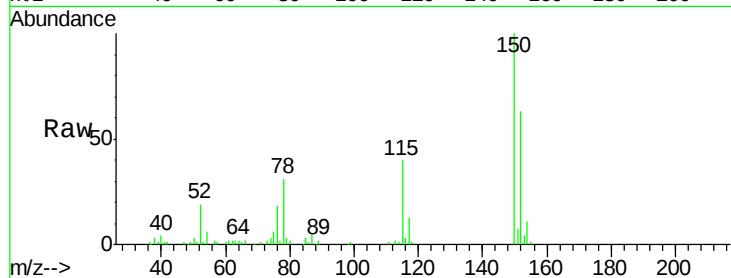


#1

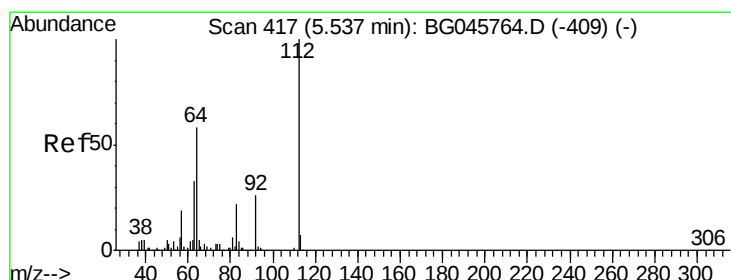
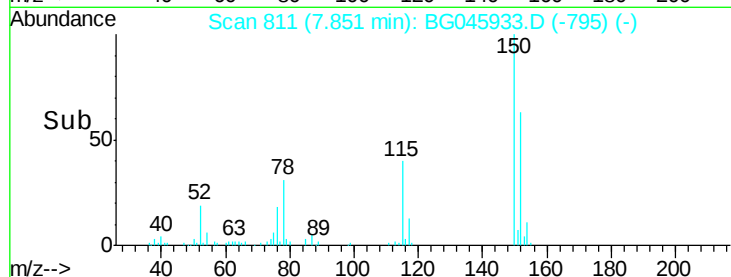
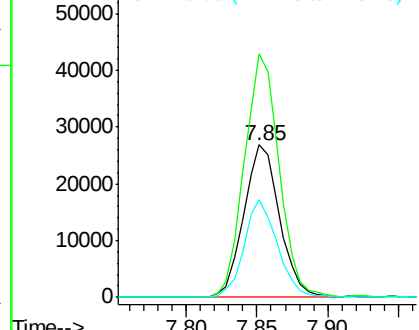
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG045933.D
Acq: 3 Jul 2020 4:47

Instrument :
BNA_G
ClientSampleId :
TR-04-070120

Tot Ion	152	Resp	47481
Ion Ratio	Lower	Upper	
152	100		
150	159.7	124.5	186.7
115	63.8	45.8	68.8



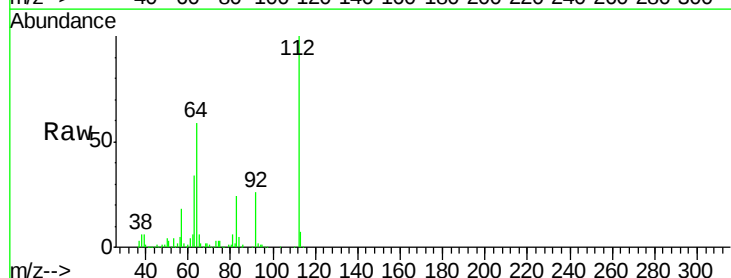
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



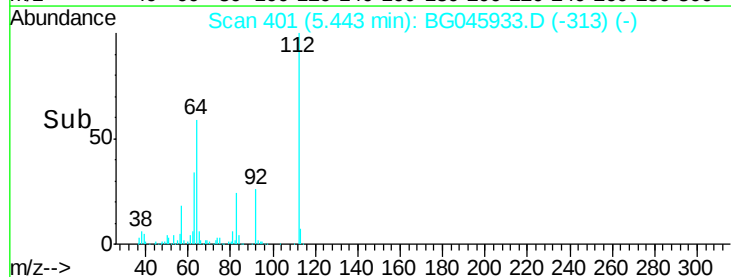
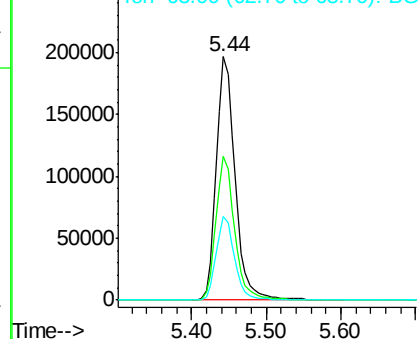
#5

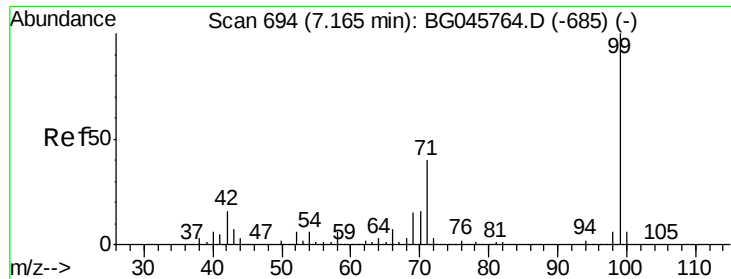
2-Fluorophenol
Concen: 122.009 ng
RT: 5.44 min Scan# 401
Delta R.T. -0.01 min
Lab File: BG045933.D
Acq: 3 Jul 2020 4:47

Tgt Ion	112	Resp	342942
Ion Ratio	Lower	Upper	
112	100		
64	58.8	44.9	67.3
63	34.4	26.9	40.3



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





#7

Phenol-d6

Concen: 106.322 ng

RT: 7.06 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG045933.D

Acq: 3 Jul 2020 4:47

Instrument :

BNA_G

ClientSampleId :

TR-04-070120

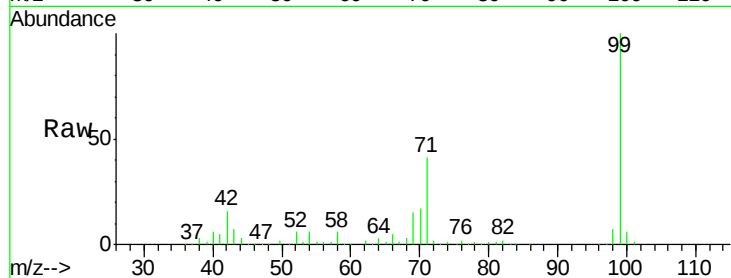
Tot Ion: 99 Resp: 454576

Ion Ratio Lower Upper

99 100

42 15.8 11.8 17.8

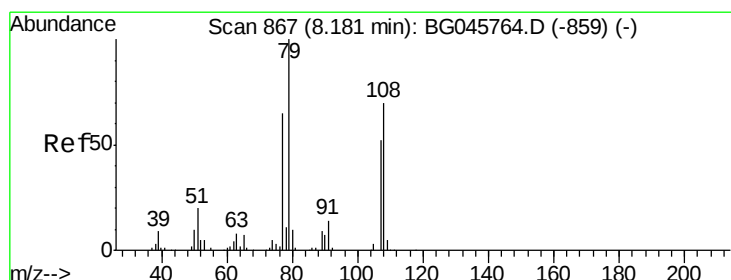
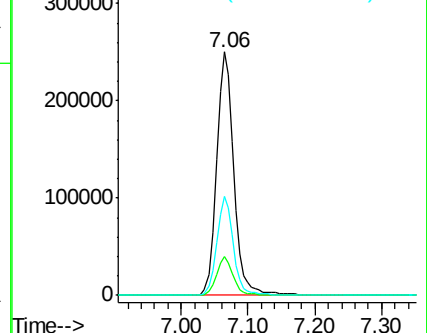
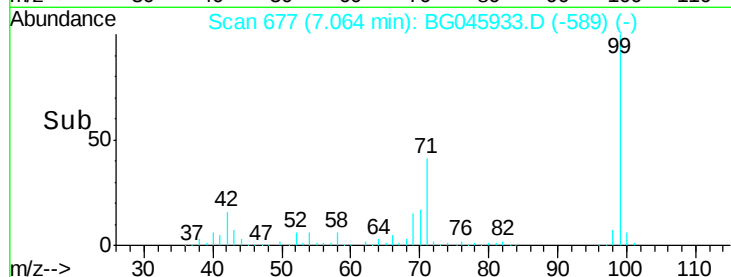
71 40.9 31.0 46.6



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



#15

Benzyl Alcohol

Concen: 2.007 ng

RT: 8.18 min Scan# 867

Delta R.T. 0.07 min

Lab File: BG045933.D

Acq: 3 Jul 2020 4:47

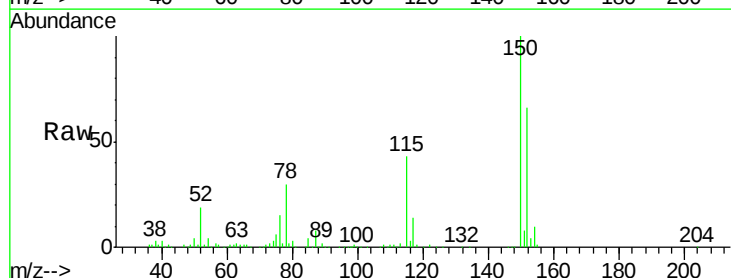
Tgt Ion: 79 Resp: 6639

Ion Ratio Lower Upper

79 100

108 27.2 50.7 76.1#

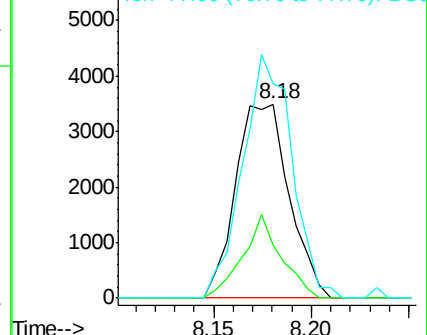
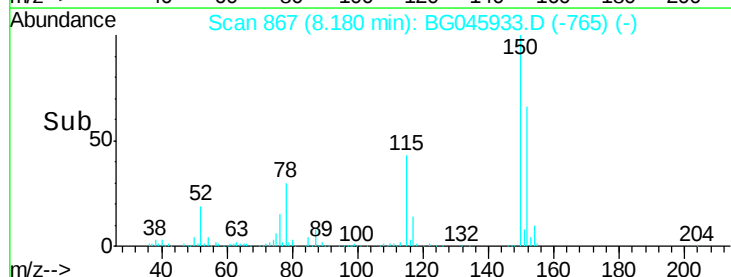
77 110.3 50.4 75.6#

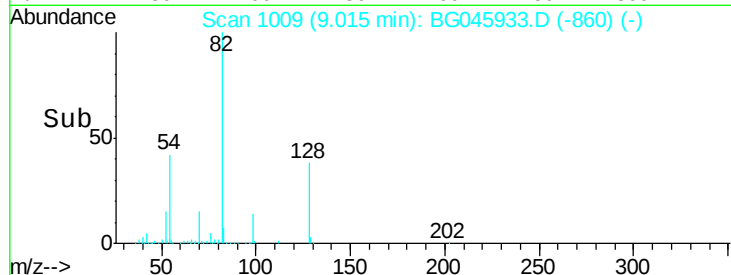
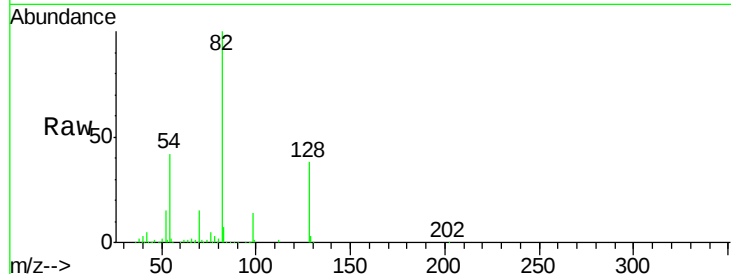
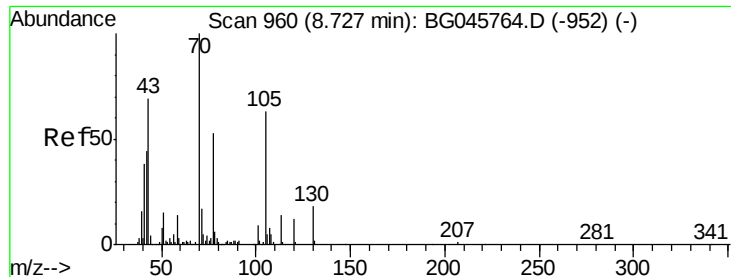


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

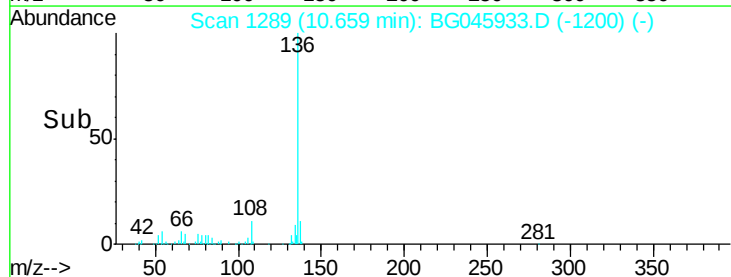
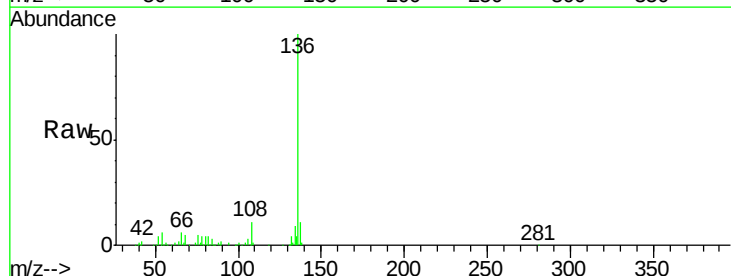
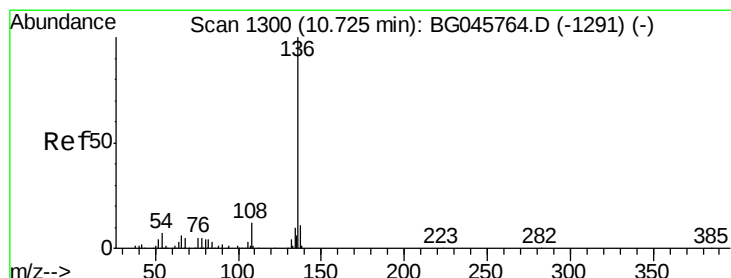
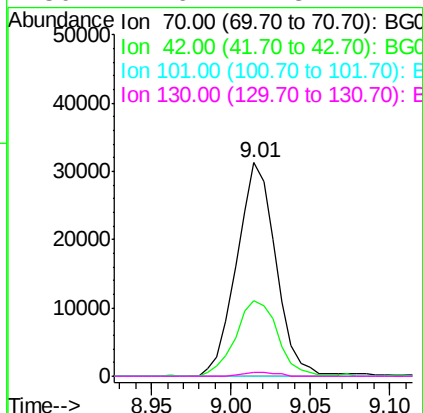




#19
n-Nitroso-di-n-propylamine
Concen: 19.078 ng
RT: 9.01 min Scan# 1009
Delta R.T. 0.35 min
Lab File: BG045933.D
Acq: 3 Jul 2020 4:47

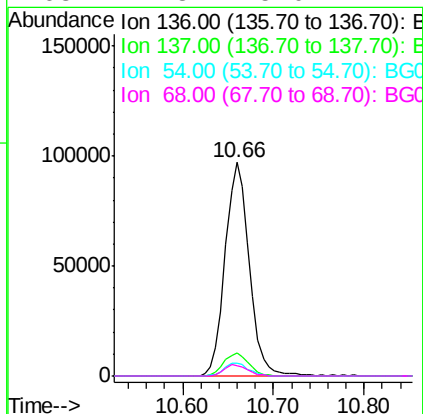
Instrument :
BNA_G
ClientSampleId :
TR-04-070120

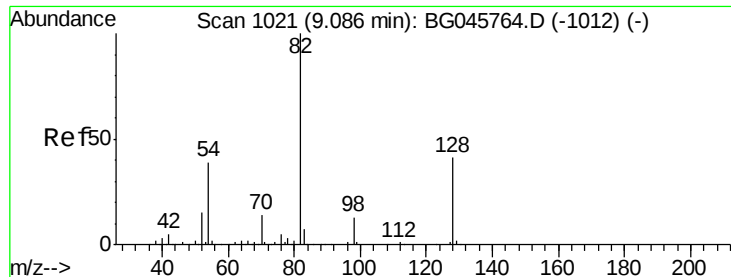
Tot Ion	70	Resp	53626
Ion Ratio	100	Lower	Upper
42	35.4	35.6	53.4#
101	0.0	6.6	10.0#
130	1.6	14.8	22.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.66 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG045933.D
Acq: 3 Jul 2020 4:47

Tgt Ion	136	Resp	180071
Ion Ratio	100	Lower	Upper
137	10.8	8.2	12.4
54	6.0	4.6	7.0
68	4.8	5.0	7.4#

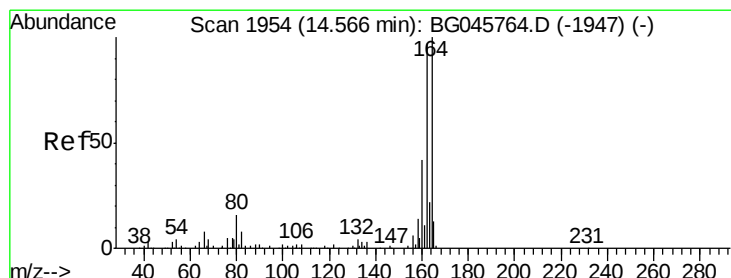
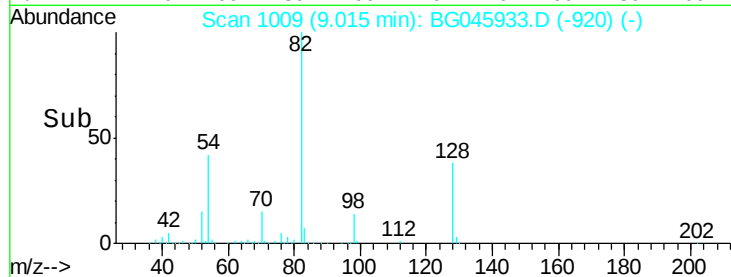
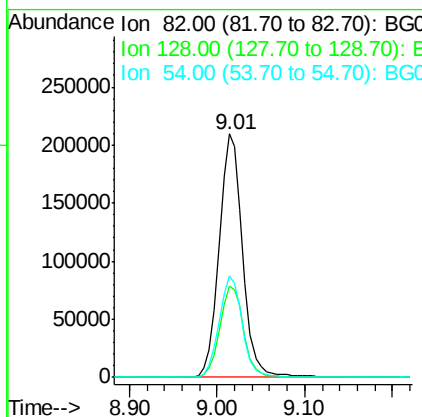
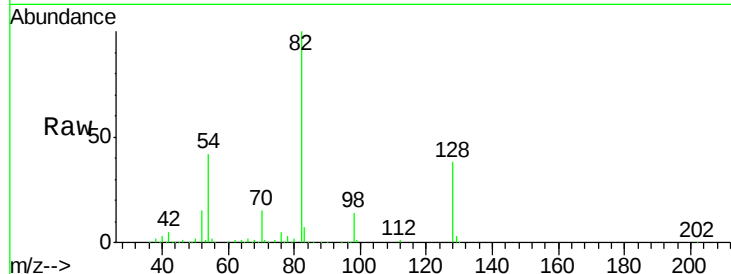




#23
 Nitrobenzene-d5
 Concen: 98.382 ng
 RT: 9.01 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BG045933.D
 Acq: 3 Jul 2020 4:47

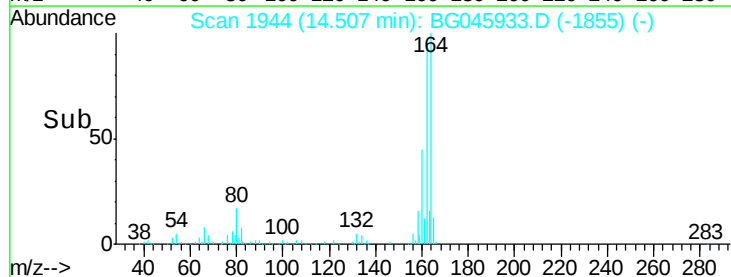
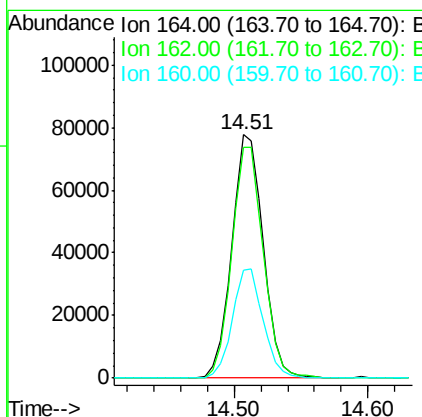
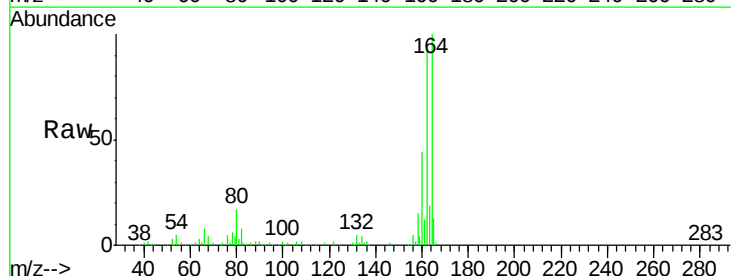
Instrument :
 BNA_G
 ClientSampled :
 TR-04-070120

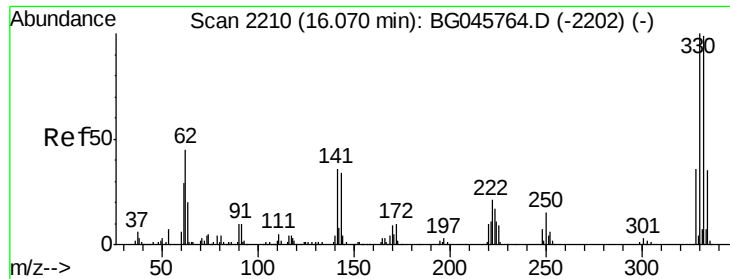
Tot Ion	82	Resp	387793
Ion Ratio	Lower	Upper	
82	100		
128	37.7	29.9	44.9
54	41.8	33.3	49.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: BG045933.D
 Acq: 3 Jul 2020 4:47

Tgt Ion	164	Resp	127100
Ion Ratio	Lower	Upper	
164	100		
162	94.8	78.8	118.2
160	44.4	33.8	50.6





#42

2,4,6-Tribromophenol

Concen: 137.233 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG045933.D

Acq: 3 Jul 2020 4:47

Instrument :

BNA_G

ClientSampleId :

TR-04-070120

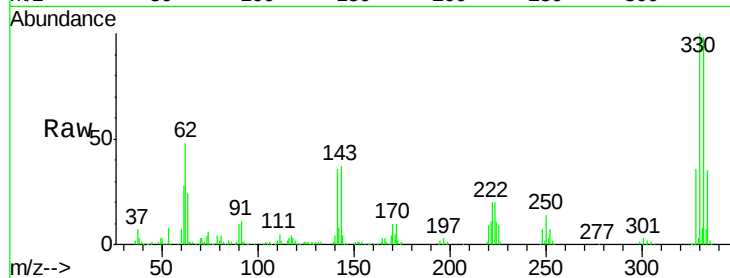
Tot Ion:330 Resp: 263333

Ion Ratio Lower Upper

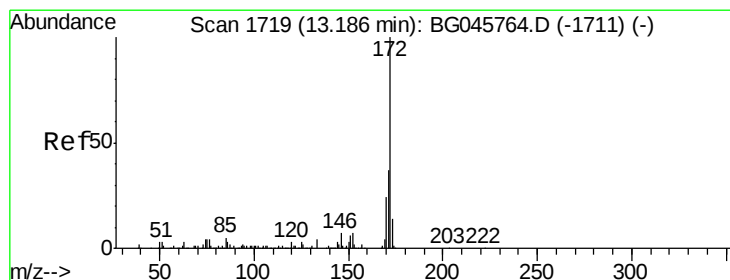
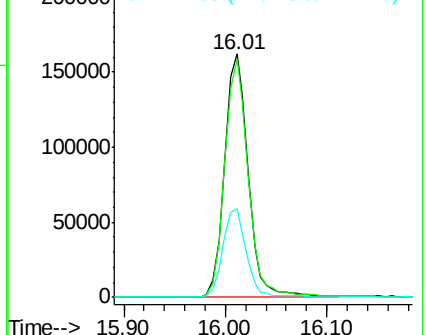
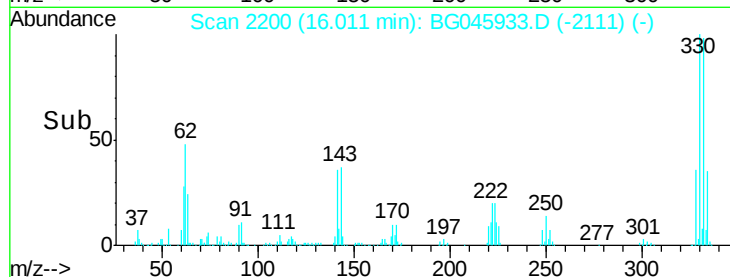
330 100

332 97.1 79.4 119.0

141 36.5 28.2 42.2



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: 99.760 ng

RT: 13.13 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BG045933.D

Acq: 3 Jul 2020 4:47

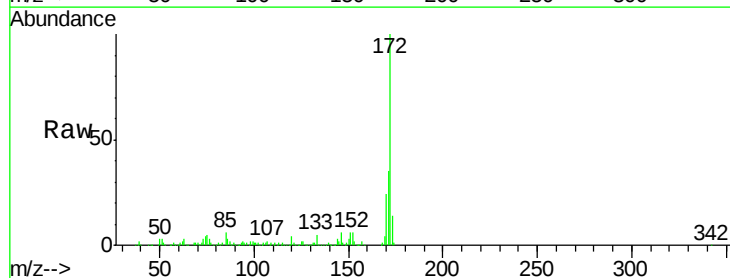
Tgt Ion:172 Resp: 862811

Ion Ratio Lower Upper

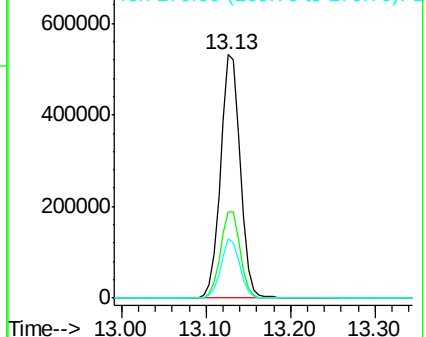
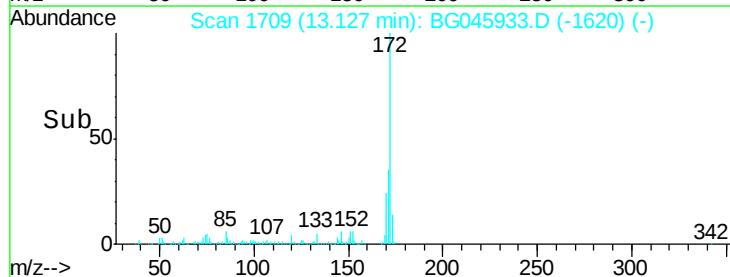
172 100

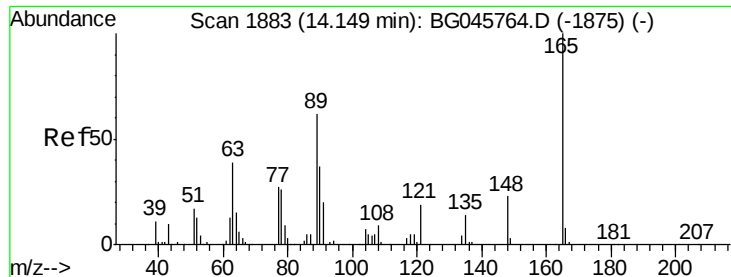
171 35.3 28.5 42.7

170 24.2 18.9 28.3



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

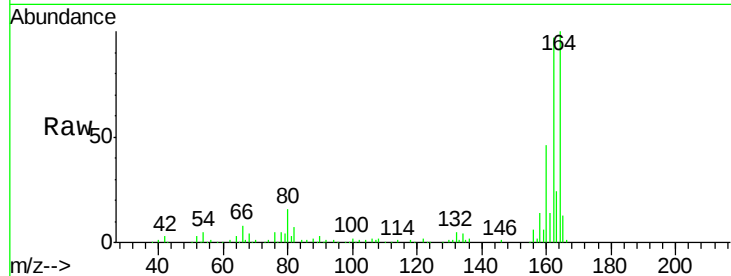




#51
 2,6-Dinitrotoluene
 Concen: 7.202 ng
 RT: 14.51 min Scan# 1945
 Delta R.T. 0.42 min
 Lab File: BG045933.D
 Acq: 3 Jul 2020 4:47

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-070120

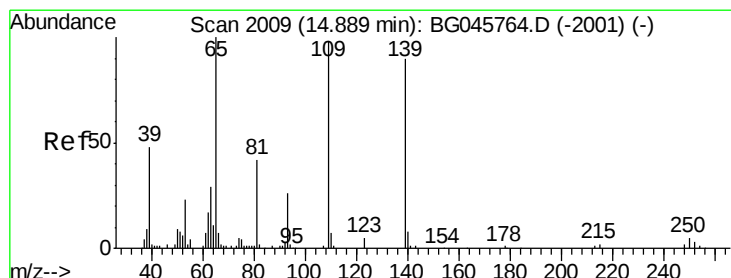
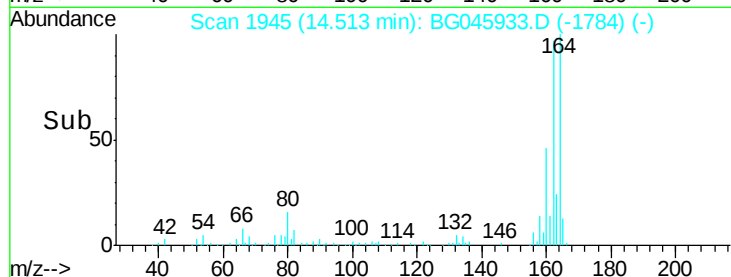
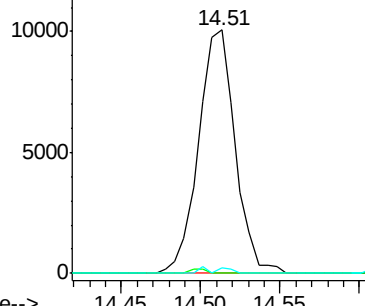
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.4	62.2#
89	2.3	45.4	68.0#



Abundance Ion 165.00 (164.70 to 165.70): E

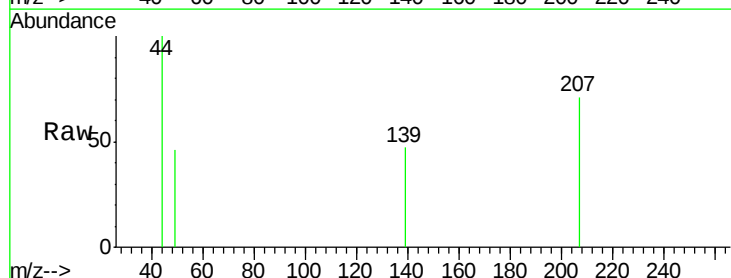
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
 4-Nitrophenol
 Concen: 4.006 ng
 RT: 14.83 min Scan# 1999
 Delta R.T. 0.04 min
 Lab File: BG045933.D
 Acq: 3 Jul 2020 4:47

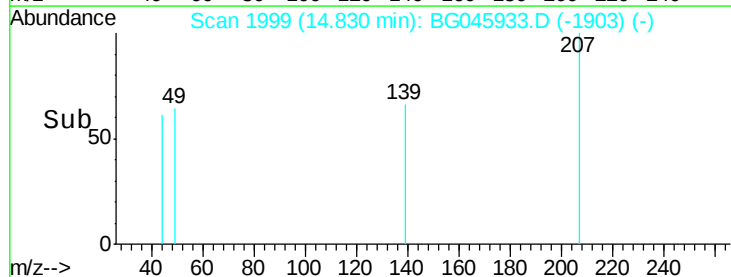
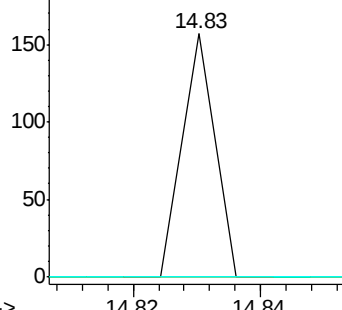
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	79.2	119.2#
65	0.0	91.0	131.0#

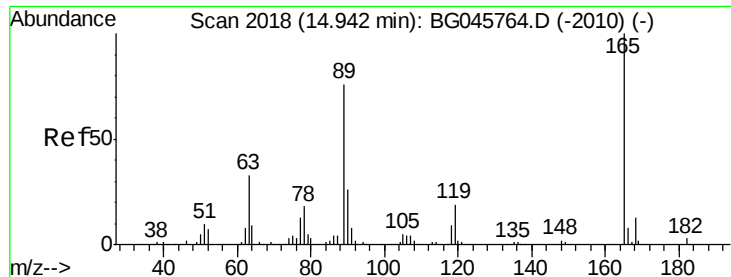


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

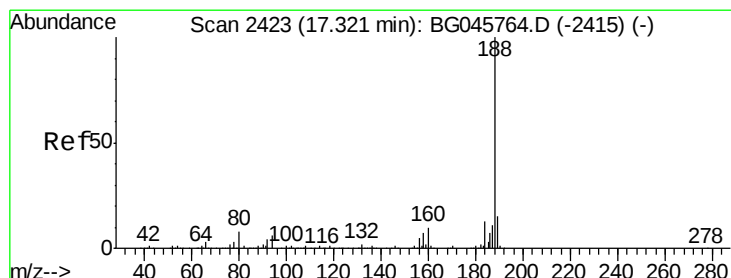
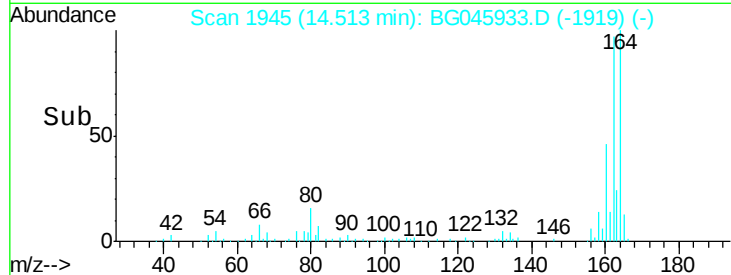
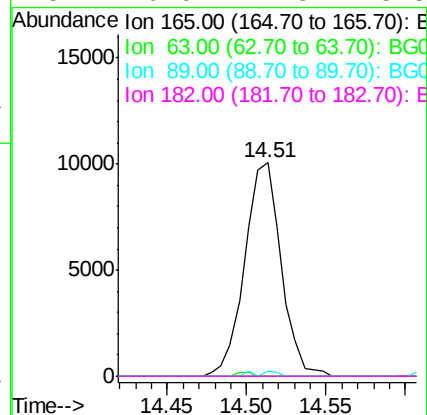
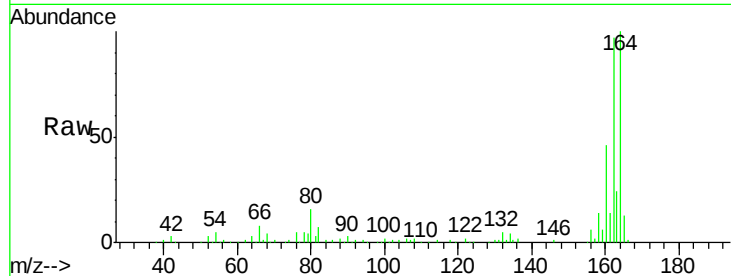




#57
 2,4-Dinitrotoluene
 Concen: 5.027 ng
 RT: 14.51 min Scan# 1945
 Delta R.T. -0.38 min
 Lab File: BG045933.D
 Acq: 3 Jul 2020 4:47

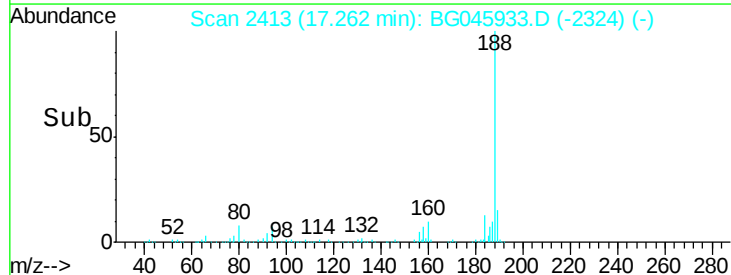
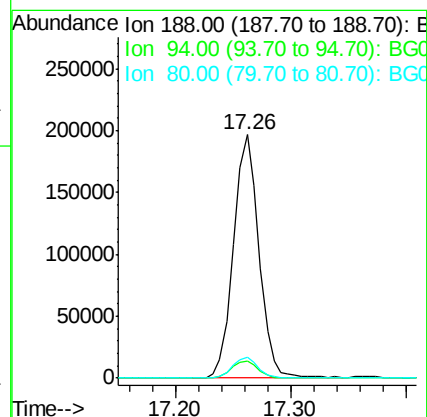
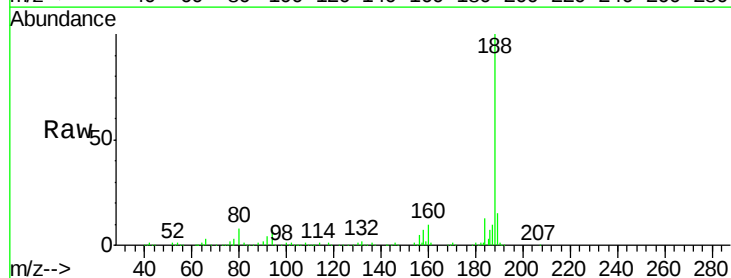
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-070120

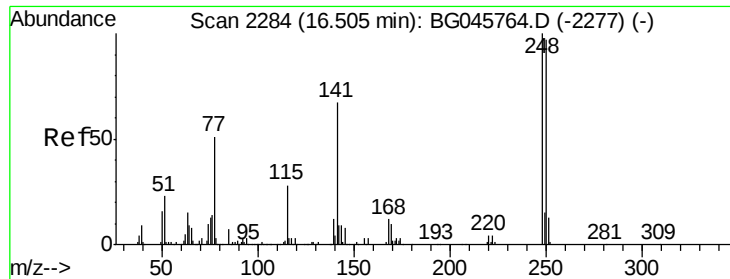
Tot Ion:165	Resp:	16107
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.5 51.7#
89	2.3	60.8 91.2#
182	0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.26 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG045933.D
 Acq: 3 Jul 2020 4:47

Tgt Ion:188	Resp:	300002
Ion Ratio	Lower	Upper
188	100	
94	7.2	5.5 8.3
80	8.5	6.1 9.1

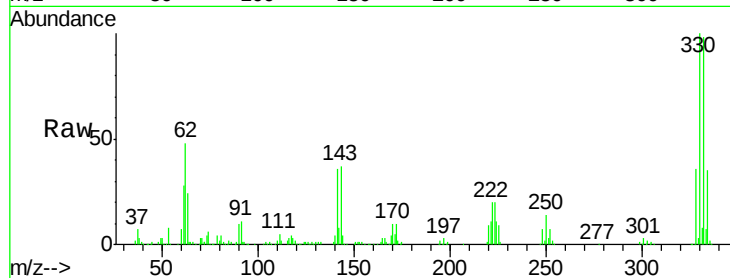




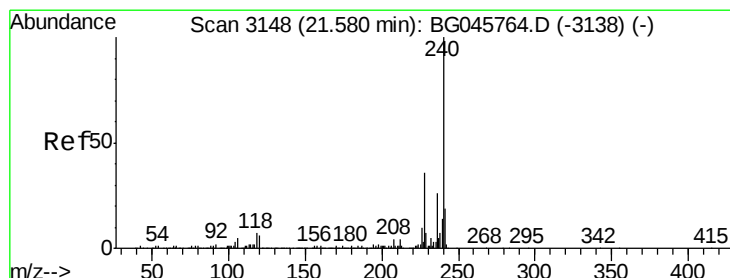
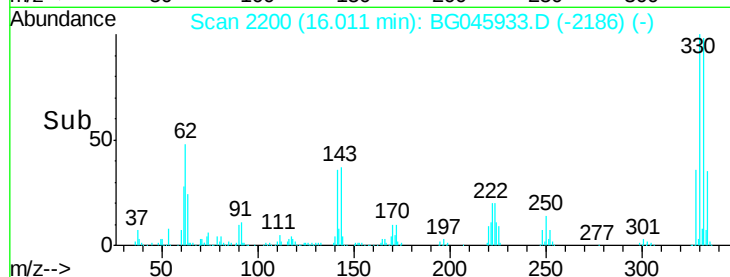
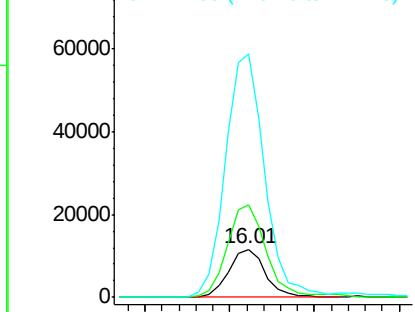
#67
4-Bromophenyl-phenylether
Concen: 4.548 ng
RT: 16.01 min Scan# 2200
Delta R.T. -0.45 min
Lab File: BG045933.D
Acq: 3 Jul 2020 4:47

Instrument :
BNA_G
ClientSampleId :
TR-04-070120

Tot Ion:248 Resp: 17728
Ion Ratio Lower Upper
248 100
250 193.4 77.2 115.8#
141 505.1 52.6 79.0#

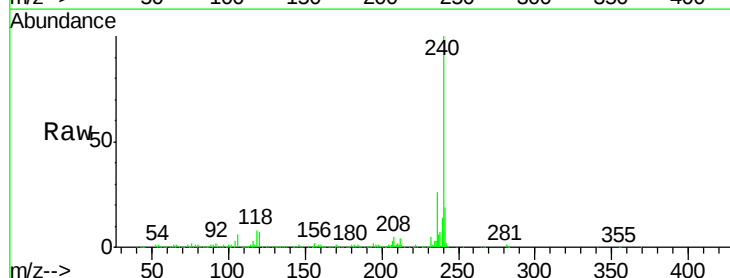


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

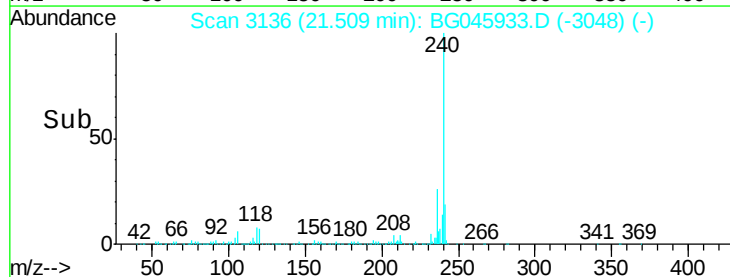
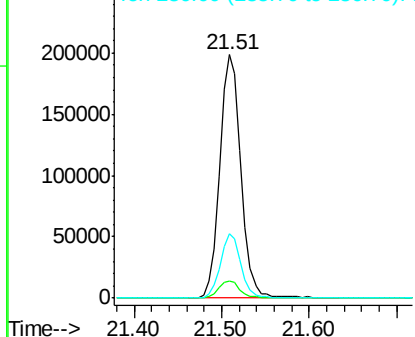


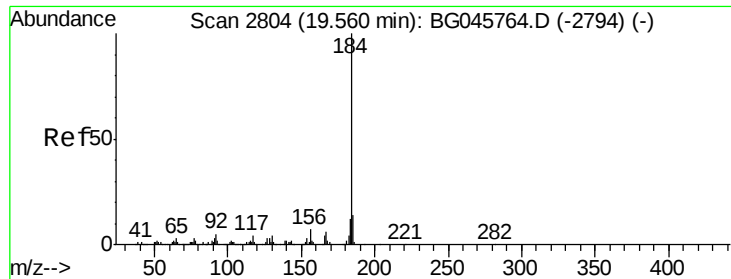
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.51 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BG045933.D
Acq: 3 Jul 2020 4:47

Tgt Ion:240 Resp: 331498
Ion Ratio Lower Upper
240 100
120 7.1 5.2 7.8
236 26.2 20.8 31.2



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: 3.853 ng

RT: 19.88 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG045933.D

Acq: 3 Jul 2020 4:47

Instrument :

BNA_G

ClientSampleId :

TR-04-070120

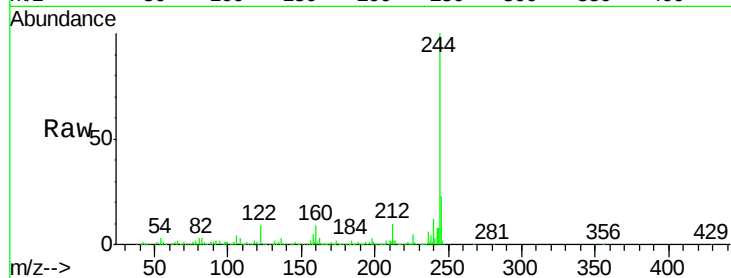
Tot Ion:184 Resp: 33208

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

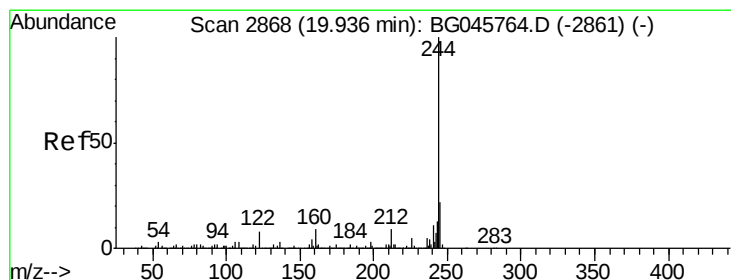
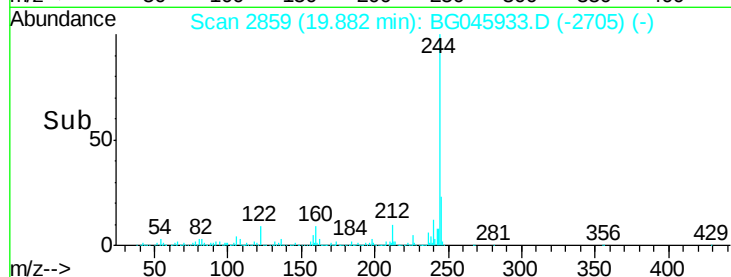
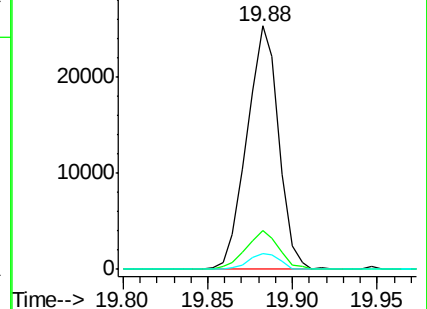
183 6.6 10.6 15.8#



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: 105.020 ng

RT: 19.88 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG045933.D

Acq: 3 Jul 2020 4:47

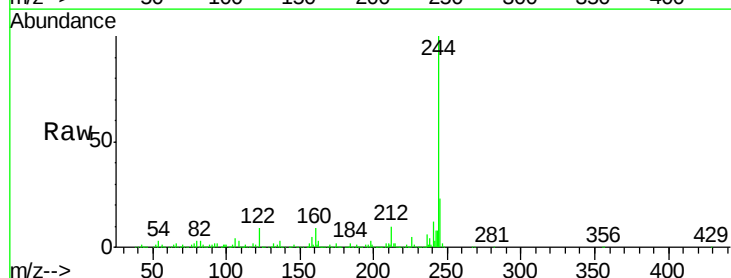
Tgt Ion:244 Resp: 1717846

Ion Ratio Lower Upper

244 100

212 9.7 7.0 10.6

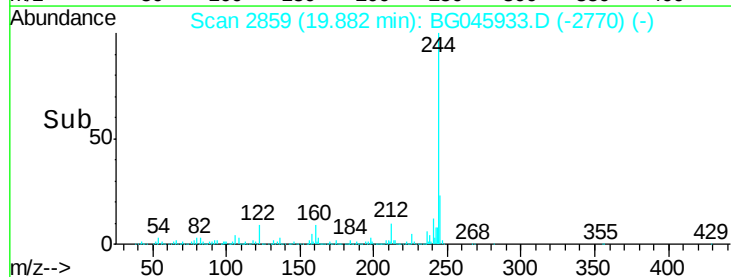
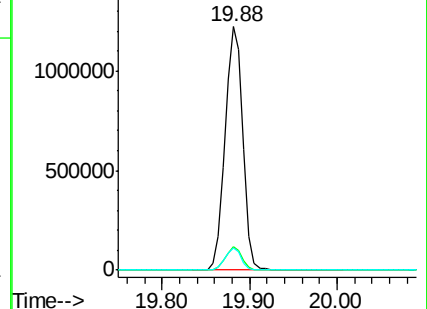
122 9.0 6.6 9.8

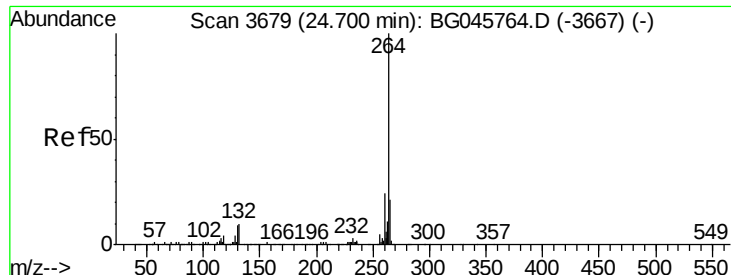


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

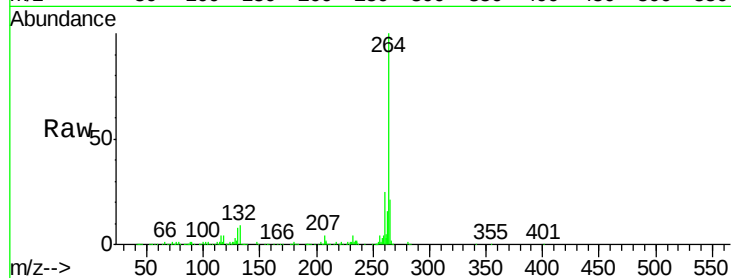




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.59 min Scan# 3660
Delta R.T. -0.01 min
Lab File: BG045933.D
Acq: 3 Jul 2020 4:47

Instrument :
BNA_G
ClientSampleId :
TR-04-070120

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.5	27.7
265	20.8	16.4	24.6



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

