

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061820\
 Data File : BG045803.D
 Acq On : 18 Jun 2020 21:41
 Operator : CG/JU
 Sample : L3024-23
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-11

Quant Time: Jun 19 03:33:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

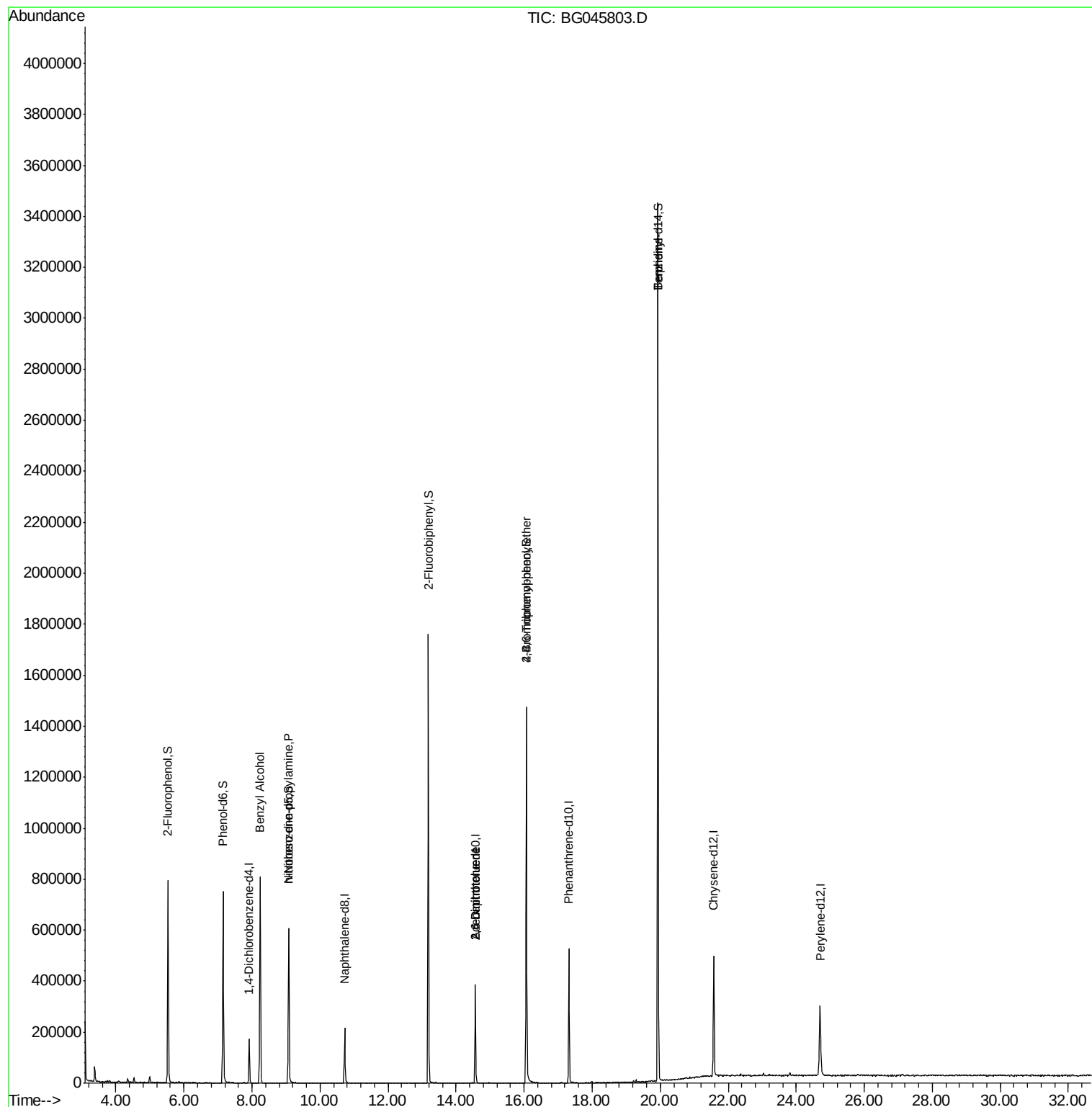
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	52183	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	197618	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	147646	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	359136	20.00	ng	0.00
76) Chrysene-d12	21.58	240	323999	20.00	ng	0.00
86) Perylene-d12	24.70	264	330626	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	391614	126.77	ng	0.00
7) Phenol-d6	7.15	99	496266	105.61	ng	-0.01
23) Nitrobenzene-d5	9.08	82	415288	96.00	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	317142	142.28	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	945179	94.08	ng	0.00
79) Terphenyl-d14	19.94	244	1631120	102.03	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.24	79	7615	2.094	ng	# 45
19) n-Nitroso-di-n-propylamine	9.08	70	57670	18.668	ng	# 79
51) 2,6-Dinitrotoluene	14.57	165	18297	7.043	ng	# 25
57) 2,4-Dinitrotoluene	14.57	165	18297	4.916	ng	# 24
67) 4-Bromophenyl-phenylether	16.07	248	22261	4.770	ng	# 1
77) Benzidine	19.94	184	30908	3.669	ng	# 93

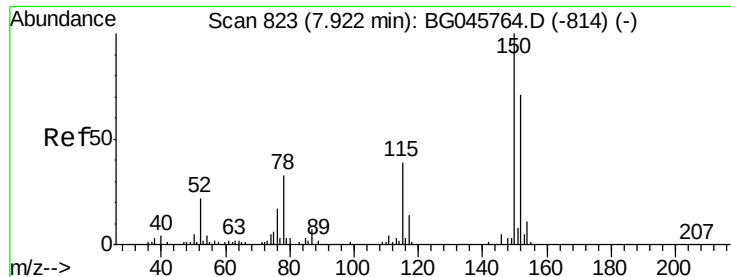
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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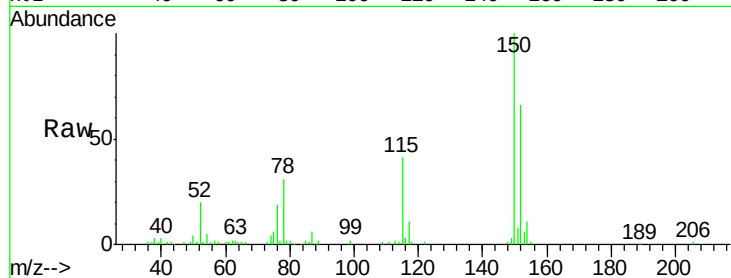


#1

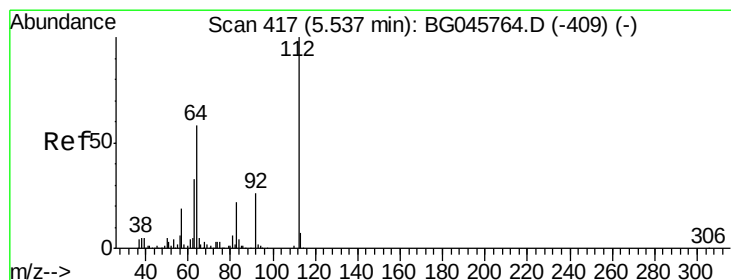
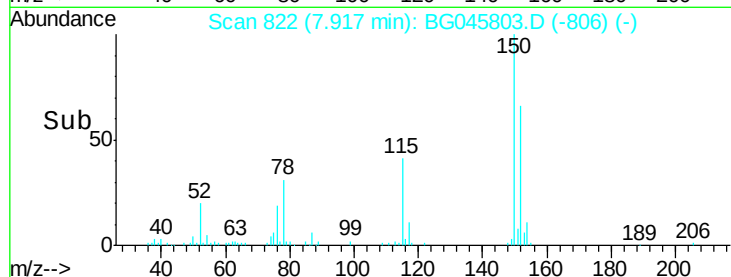
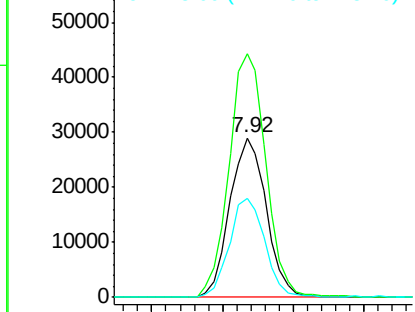
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG045803.D
Acq: 18 Jun 2020 21:41

Instrument :
BNA_G
ClientSampleId :
RO-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	113.1	169.7
115	62.2	43.8	65.6



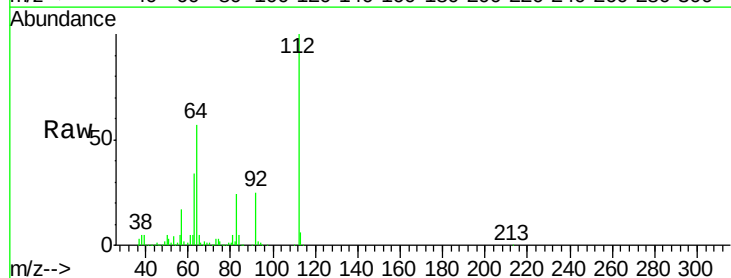
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



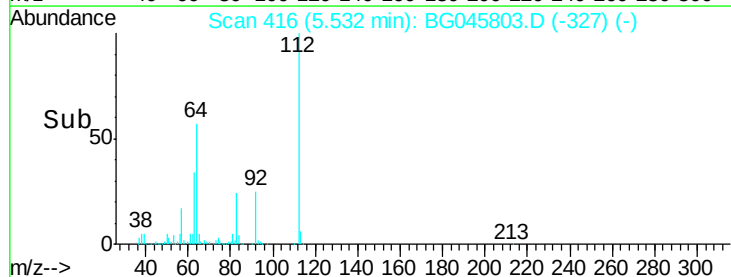
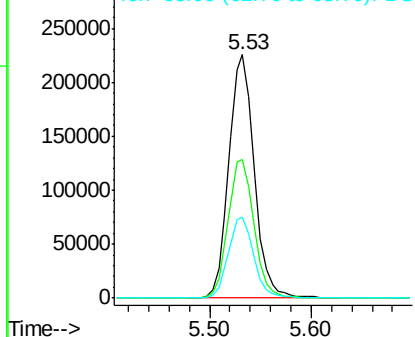
#5

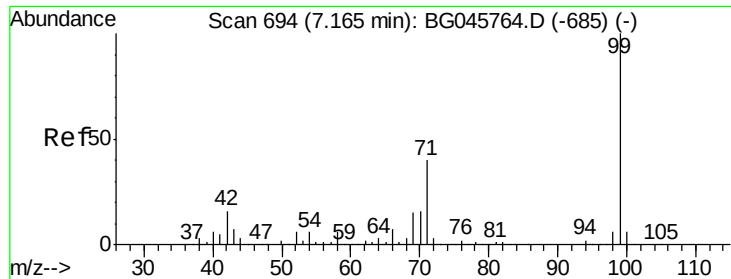
2-Fluorophenol
Concen: 126.771 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG045803.D
Acq: 18 Jun 2020 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.6	69.8
63	33.5	26.3	39.5



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: 105.614 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045803.D

Acq: 18 Jun 2020 21:41

Instrument :

BNA_G

ClientSampleId :

RO-11

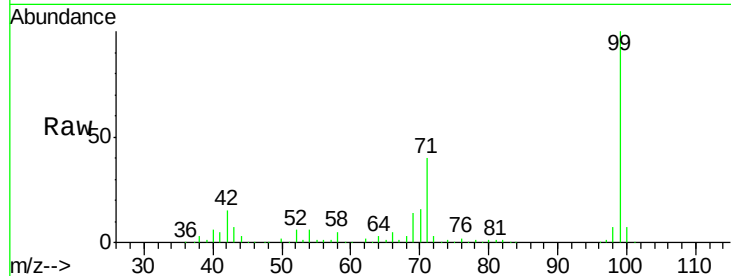
Tot Ion: 99 Resp: 496266

Ion Ratio Lower Upper

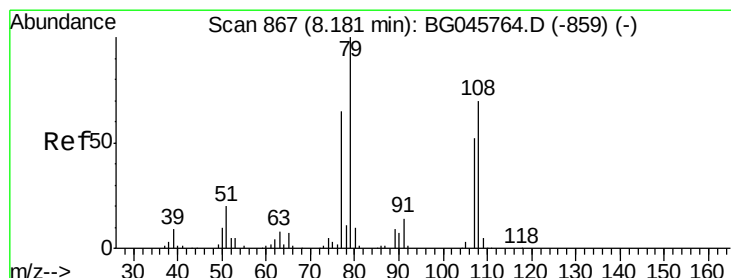
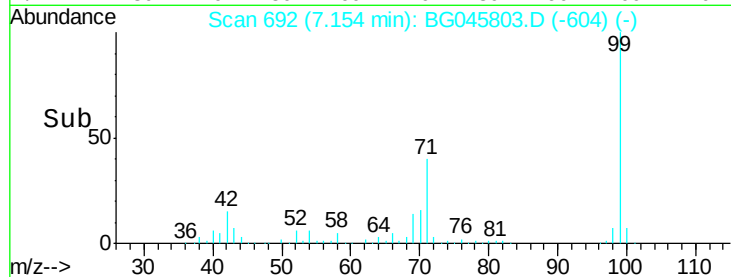
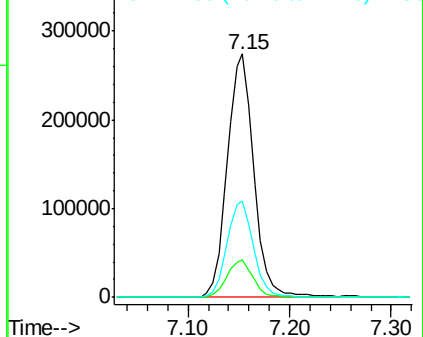
99 100

42 15.3 12.4 18.6

71 39.6 32.1 48.1



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: 2.094 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.06 min

Lab File: BG045803.D

Acq: 18 Jun 2020 21:41

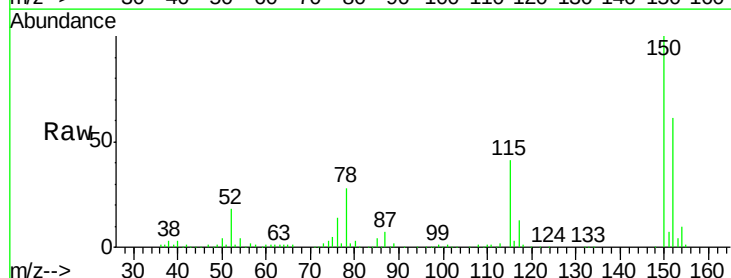
Tgt Ion: 79 Resp: 7615

Ion Ratio Lower Upper

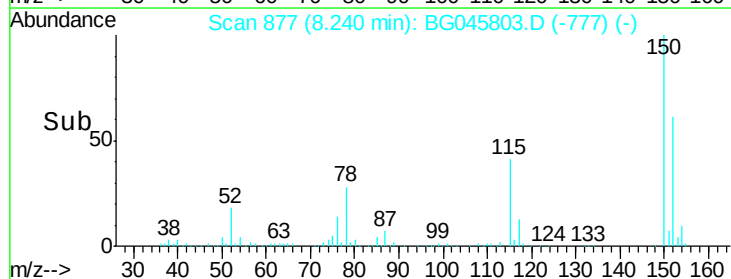
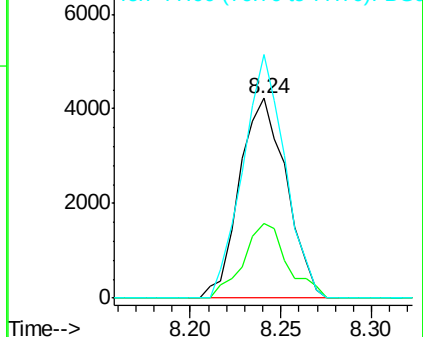
79 100

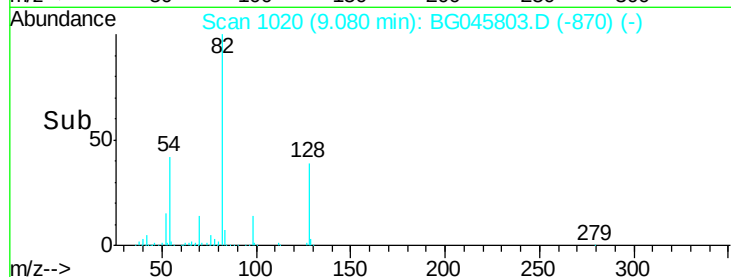
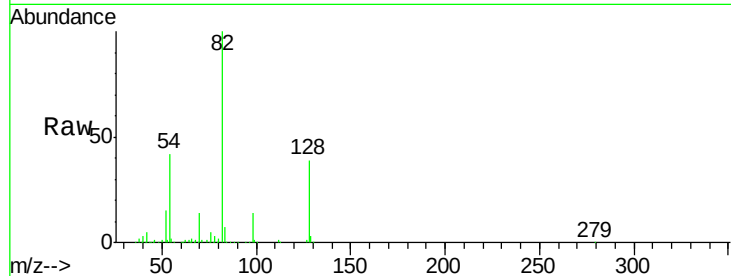
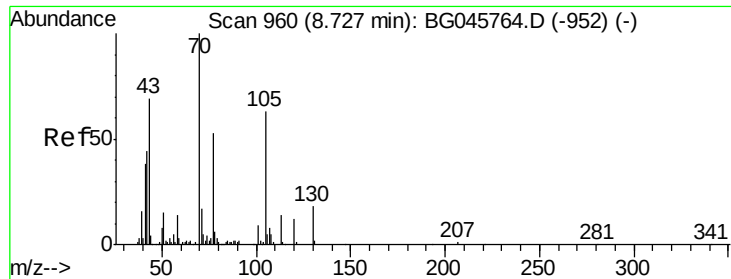
108 37.4 56.2 84.4#

77 122.0 52.2 78.2#



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

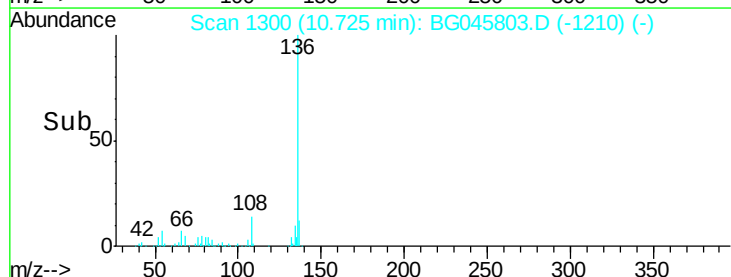
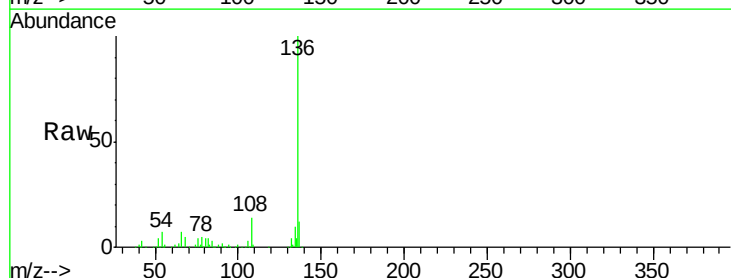
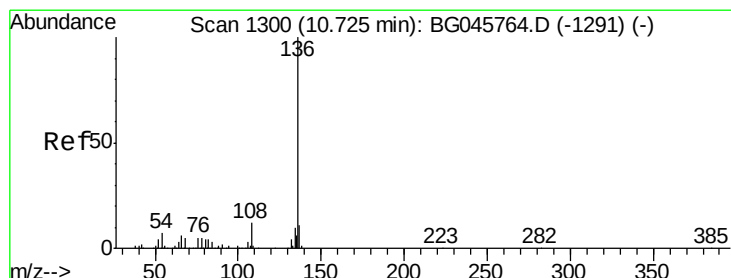
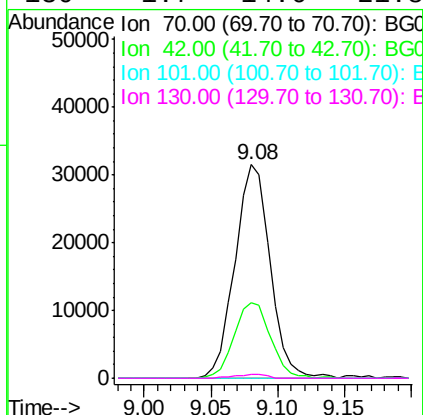




#19
n-Nitroso-di-n-propylamine
Concen: 18.668 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.35 min
Lab File: BG045803.D
Acq: 18 Jun 2020 21:41

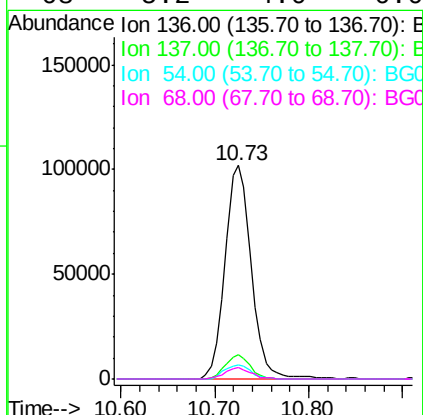
Instrument :
BNA_G
ClientSampleId :
RO-11

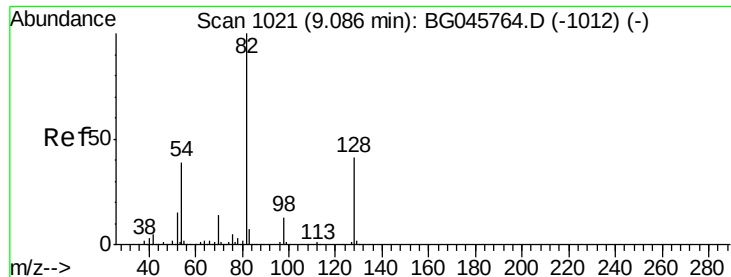
Tot Ion	70	Ratio	Lower	Upper
70	100			
42	35.5	35.1	52.7	
101	0.0	7.4	11.0	#
130	1.7	14.6	21.8	#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG045803.D
Acq: 18 Jun 2020 21:41

Tgt Ion	136	Ratio	Lower	Upper
136	100			
137	11.6	8.7	13.1	
54	6.5	5.8	8.6	
68	5.2	4.0	6.0	

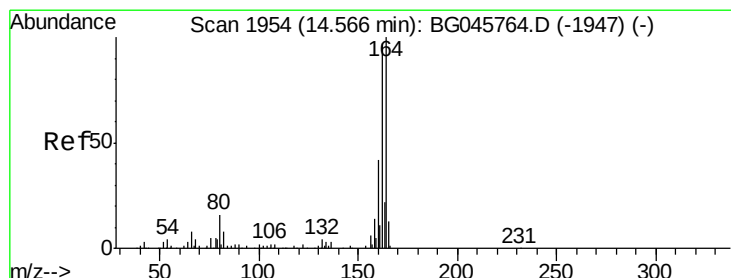
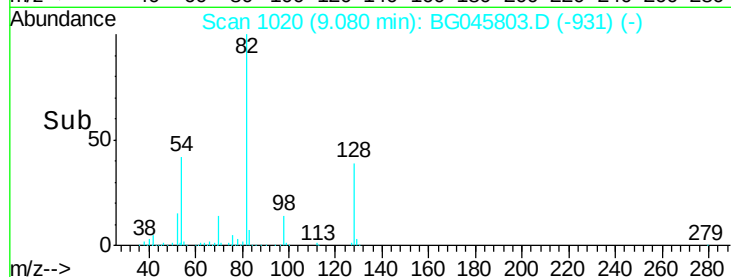
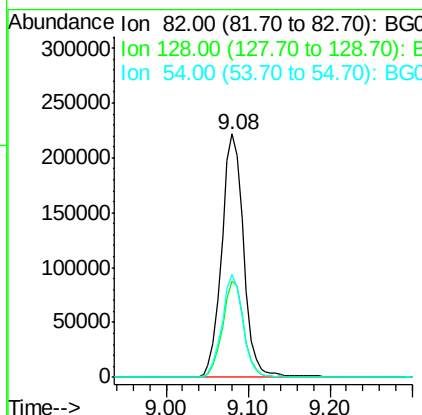
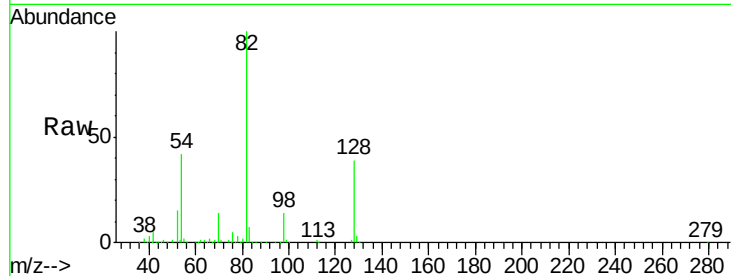




#23
Nitrobenzene-d5
Concen: 96.002 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG045803.D
Acq: 18 Jun 2020 21:41

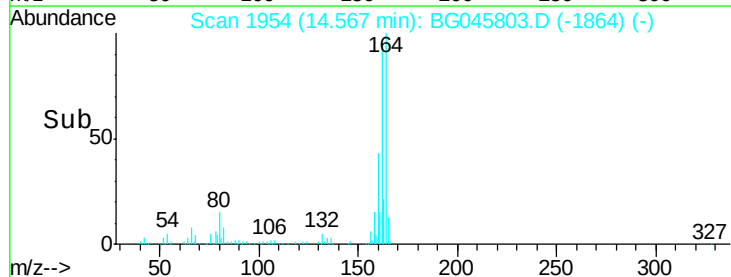
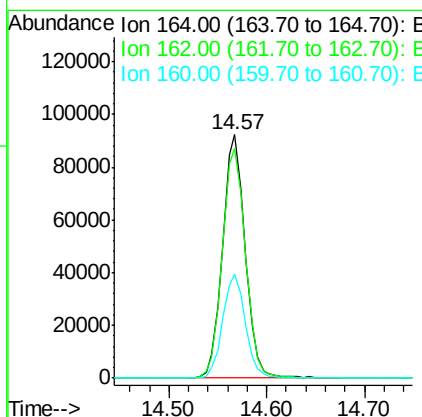
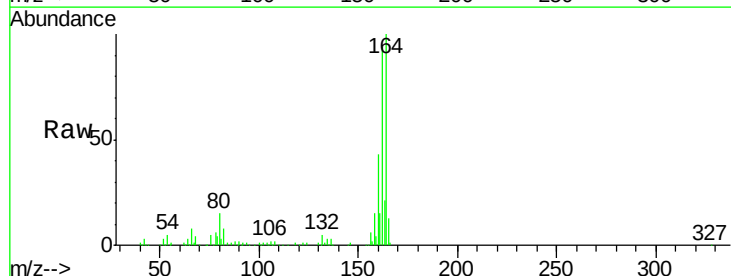
Instrument :
BNA_G
ClientSampleId :
RO-11

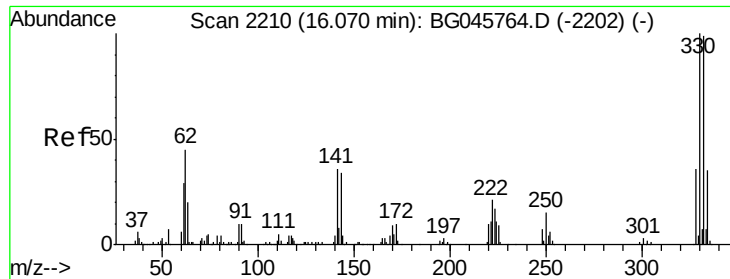
Tot Ion	82	Resp	415288
Ion Ratio	Lower	Upper	
82	100		
128	39.4	32.5	48.7
54	42.0	31.2	46.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BG045803.D
Acq: 18 Jun 2020 21:41

Tgt Ion	164	Resp	147646
Ion Ratio	Lower	Upper	
164	100		
162	94.2	77.4	116.0
160	42.5	33.3	49.9

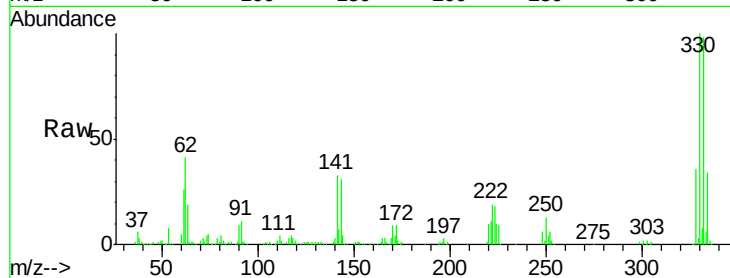




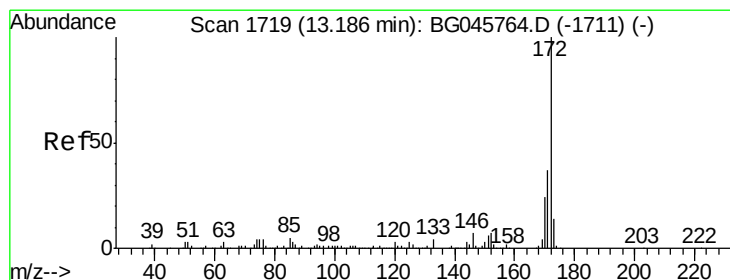
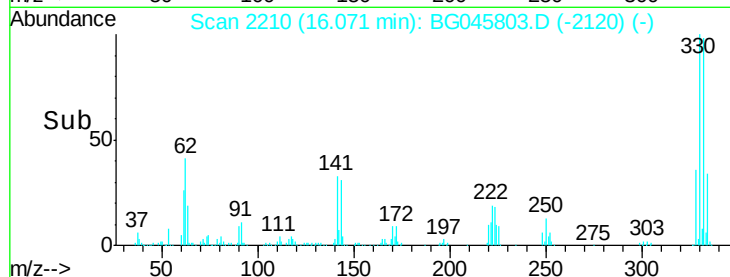
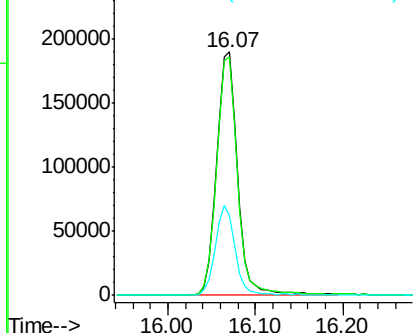
#42
 2,4,6-Tribromophenol
 Concen: 142.275 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. 0.00 min
 Lab File: BG045803.D
 Acq: 18 Jun 2020 21:41

Instrument :
 BNA_G
 ClientSampled :
 RO-11

Tot Ion:330 Resp: 317142
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.6 117.8
 141 35.2 28.2 42.4

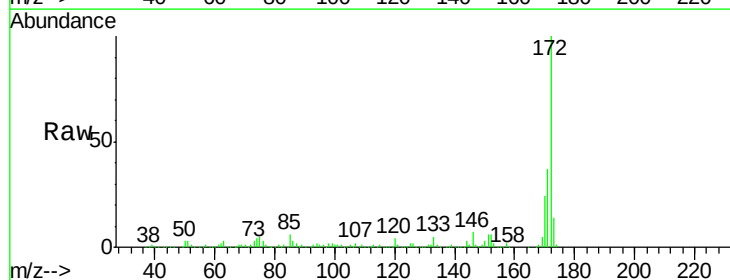


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

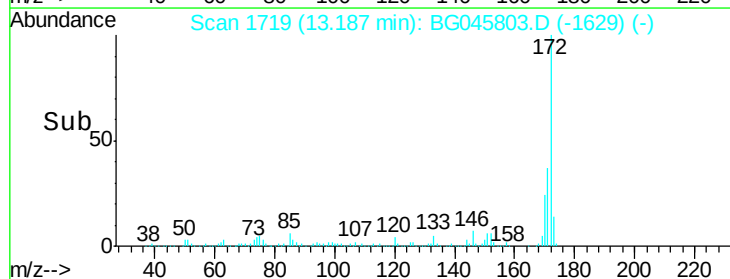
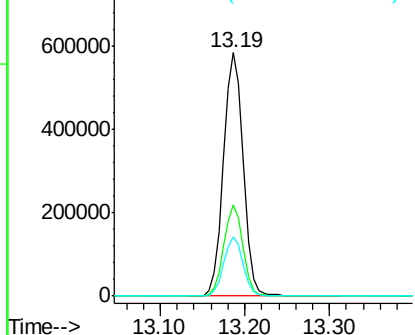


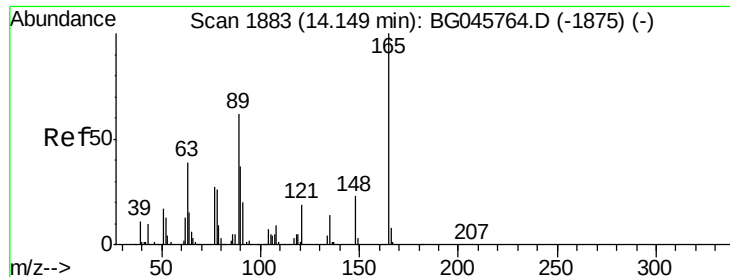
#45
 2-Fluorobiphenyl
 Concen: 94.076 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG045803.D
 Acq: 18 Jun 2020 21:41

Tgt Ion:172 Resp: 945179
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.9 44.9
 170 24.2 19.3 28.9



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

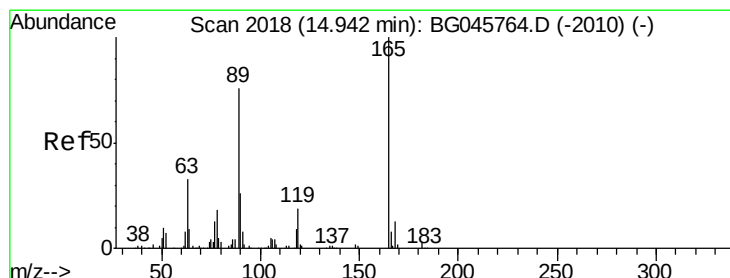
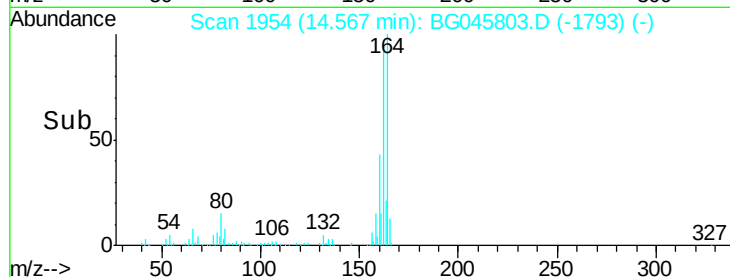
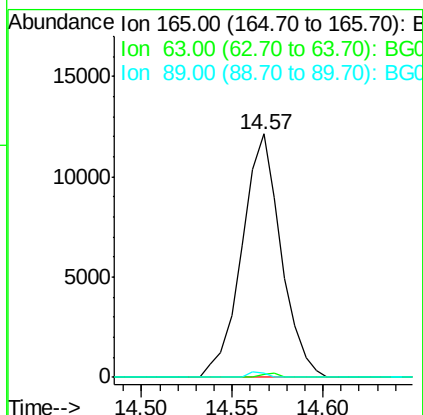
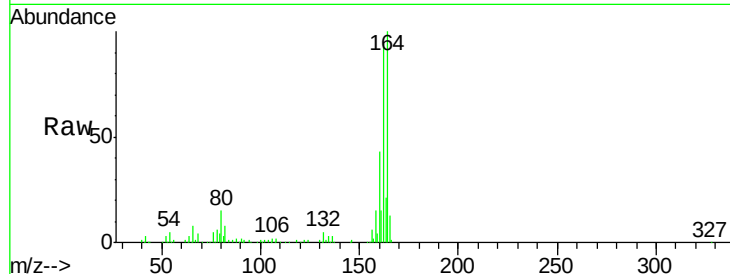




#51
 2,6-Dinitrotoluene
 Concen: 7.043 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.42 min
 Lab File: BG045803.D
 Acq: 18 Jun 2020 21:41

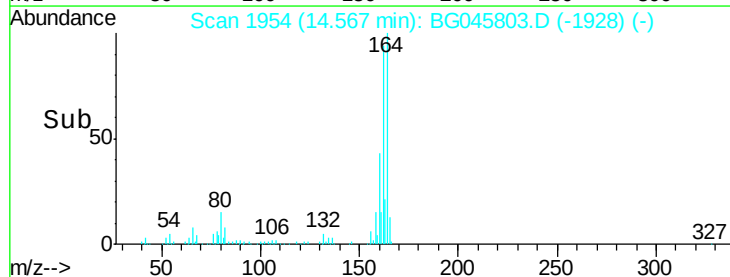
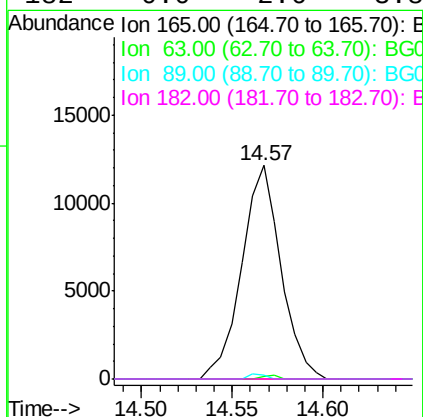
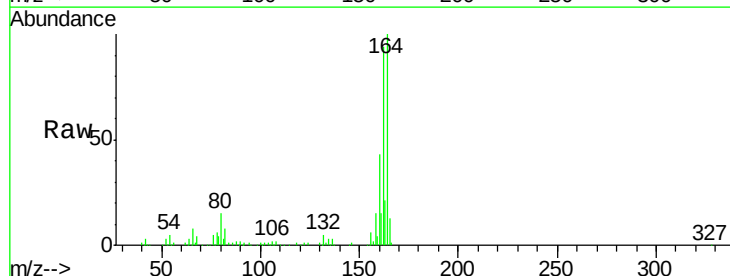
Instrument :
 BNA_G
 ClientSampleId :
 RO-11

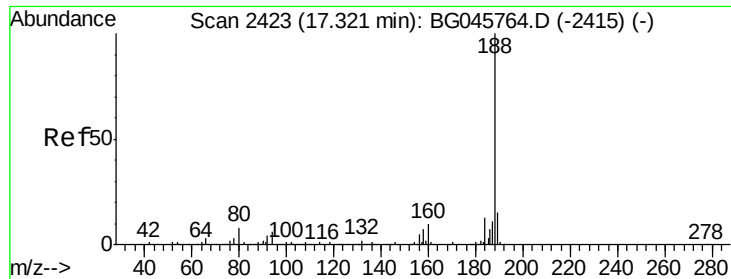
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.2	61.8#
89	1.9	49.7	74.5#



#57
 2,4-Dinitrotoluene
 Concen: 4.916 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG045803.D
 Acq: 18 Jun 2020 21:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.8#
89	1.9	60.4	90.6#
182	0.0	2.6	3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG045803.D

Acq: 18 Jun 2020 21:41

Instrument :

BNA_G

ClientSampleId :

RO-11

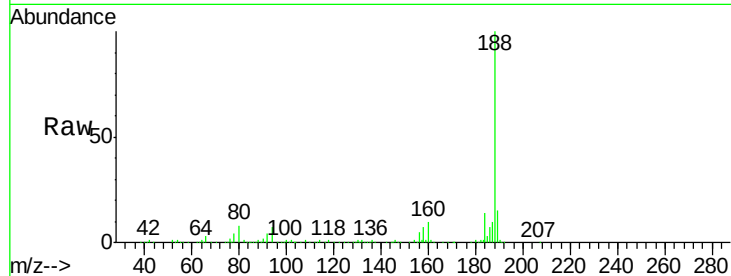
Tot Ion:188 Resp: 359136

Ion Ratio Lower Upper

188 100

94 6.8 5.1 7.7

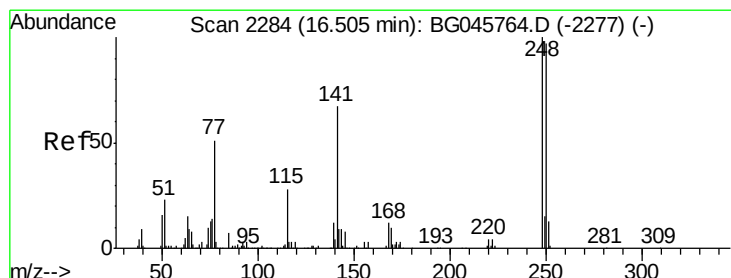
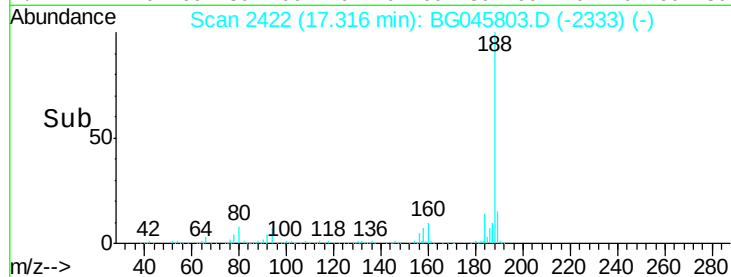
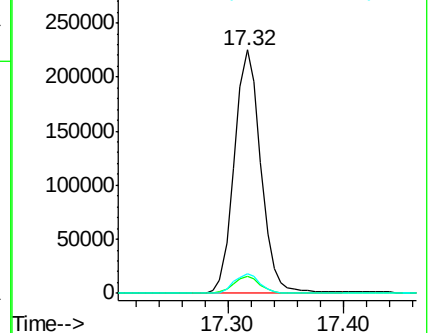
80 8.0 6.2 9.4



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: 4.770 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.44 min

Lab File: BG045803.D

Acq: 18 Jun 2020 21:41

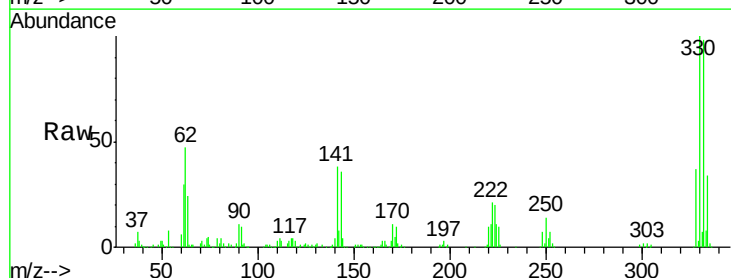
Tgt Ion:248 Resp: 22261

Ion Ratio Lower Upper

248 100

250 189.3 78.0 117.0#

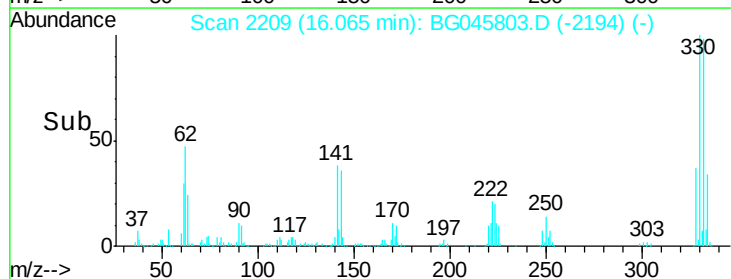
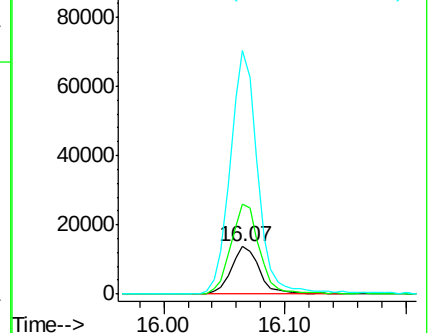
141 510.9 53.9 80.9#

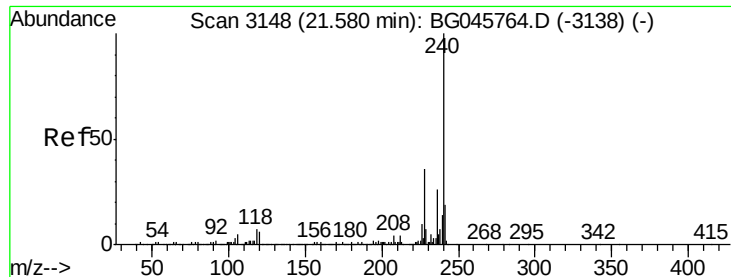


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG045803.D

Acq: 18 Jun 2020 21:41

Instrument :

BNA_G

ClientSampleId :

RO-11

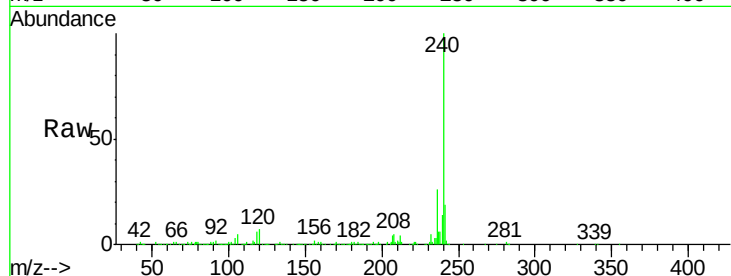
Tot Ion:240 Resp: 323999

Ion Ratio Lower Upper

240 100

120 7.3 5.0 7.4

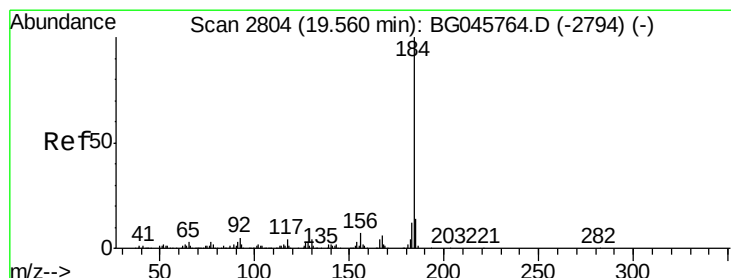
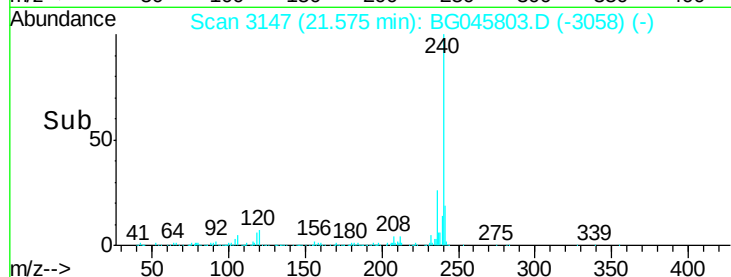
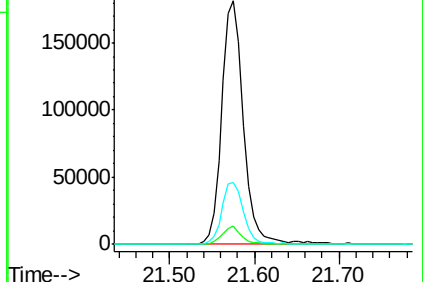
236 25.5 20.6 30.8



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: 3.669 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG045803.D

Acq: 18 Jun 2020 21:41

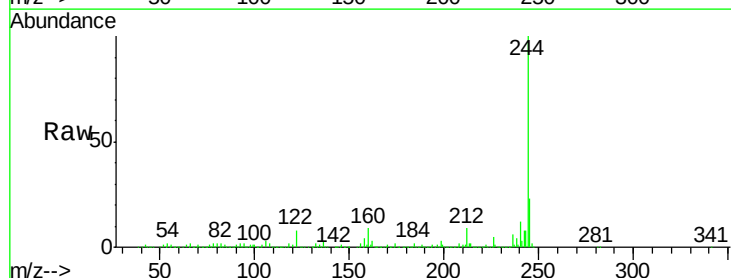
Tgt Ion:184 Resp: 30908

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

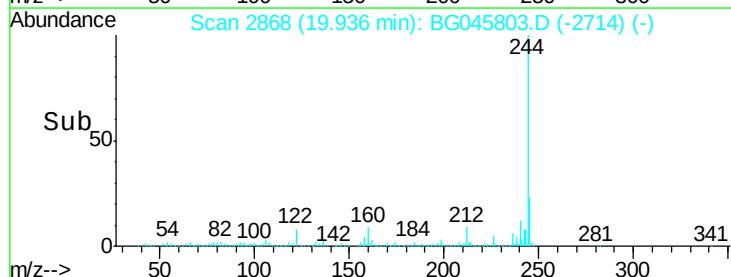
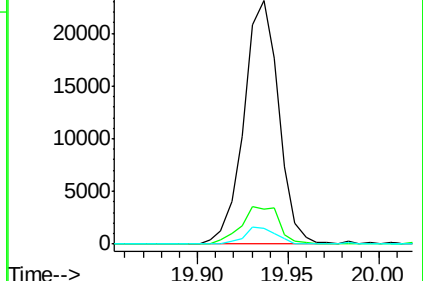
183 6.5 9.7 14.5#

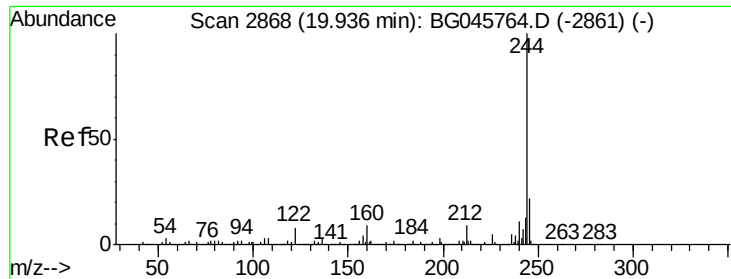


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 102.026 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045803.D

Acq: 18 Jun 2020 21:41

Instrument :

BNA_G

ClientSampleId :

RO-11

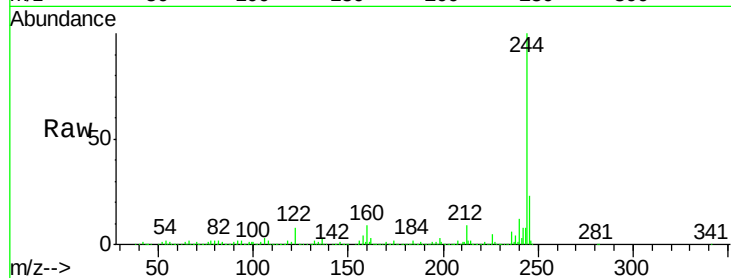
Tot Ion:244 Resp: 1631120

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

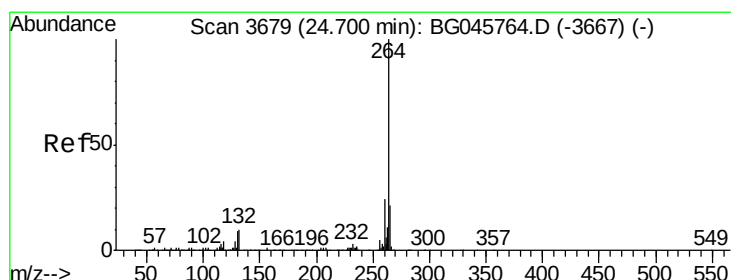
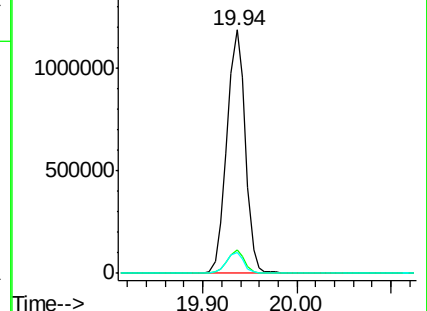
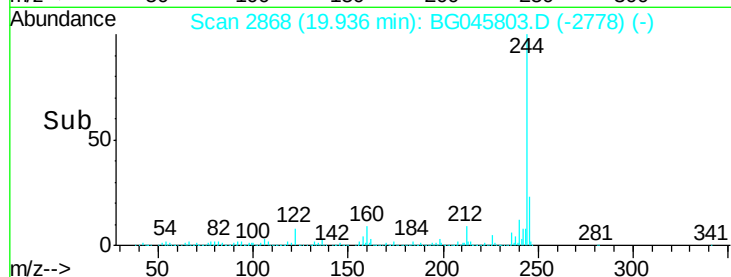
122 8.5 6.4 9.6



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

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BG045803.D

Acq: 18 Jun 2020 21:41

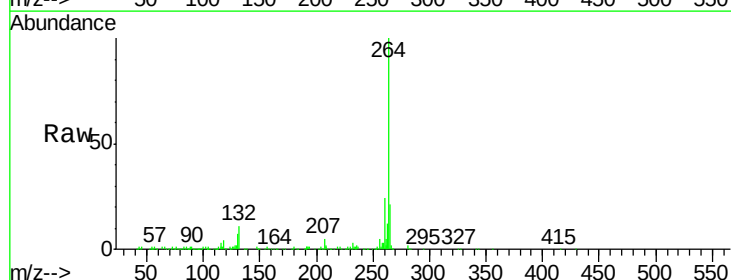
Tgt Ion:264 Resp: 330626

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 21.0 17.4 26.0



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

