

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
 Data File : BG045913.D
 Acq On : 2 Jul 2020 14:04
 Operator : CG/JU
 Sample : L3153-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP2-D

Quant Time: Jul 02 15:25:45 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

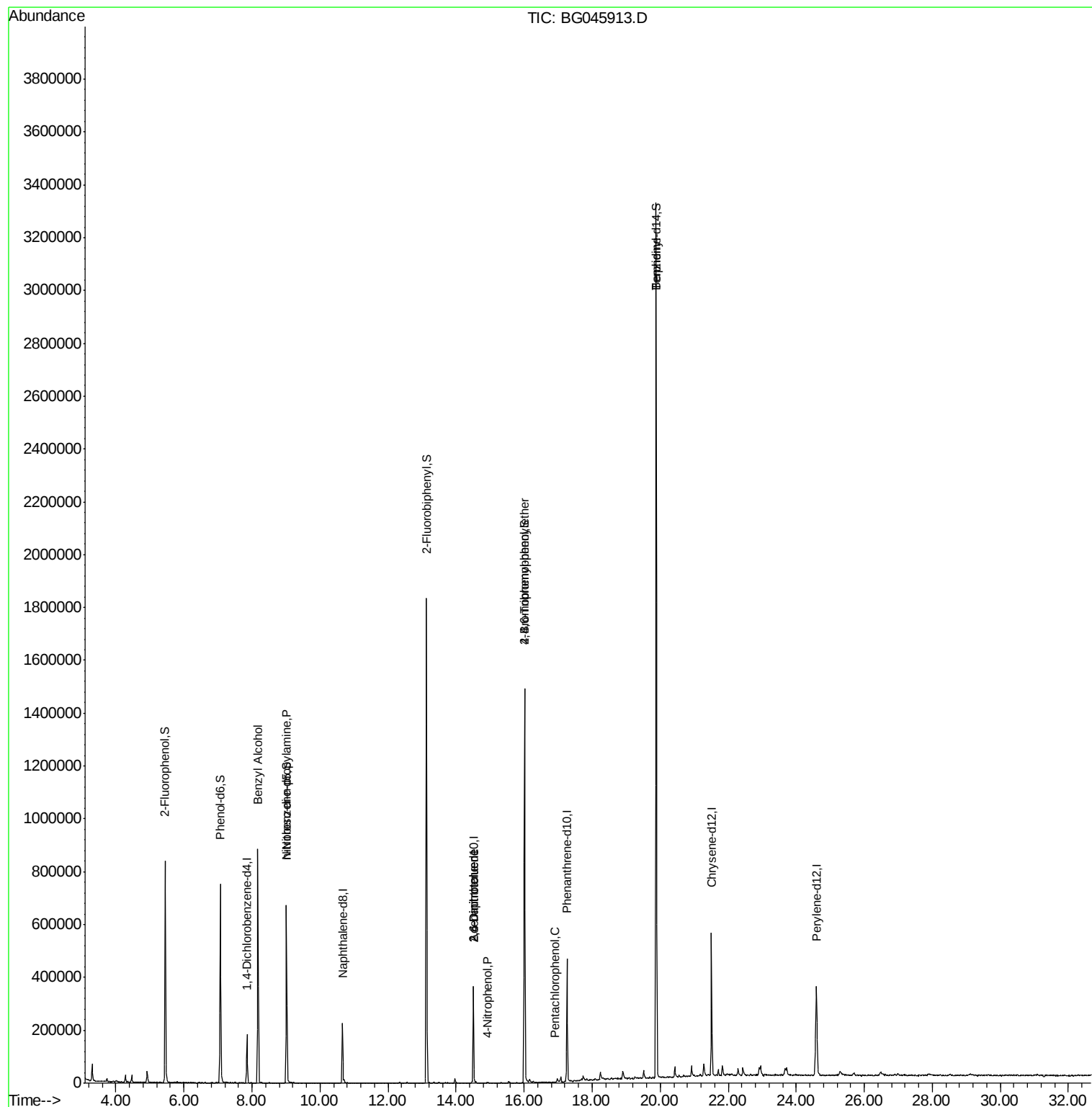
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	53489	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	197451	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	133652	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	302056	20.00	ng	0.00
76) Chrysene-d12	21.51	240	330833	20.00	ng	-0.01
86) Perylene-d12	24.59	264	351492	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	401233	126.71	ng	0.00
7) Phenol-d6	7.07	99	485137	100.72	ng	0.00
23) Nitrobenzene-d5	9.02	82	454623	105.18	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	299780	148.57	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	969250	106.57	ng	0.00
79) Terphenyl-d14	19.88	244	1610276	98.64	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.18	79	8498	2.280	ng	# 51
19) n-Nitroso-di-n-propylamine	9.02	70	63833	20.159	ng	# 81
51) 2,6-Dinitrotoluene	14.51	165	17624	7.494	ng	# 27
56) 4-Nitrophenol	14.92	139	103	4.031	ng	# 1
57) 2,4-Dinitrotoluene	14.51	165	17624	5.231	ng	# 24
67) 4-Bromophenyl-phenylether	16.01	248	20590	5.246	ng	# 1
70) Pentachlorophenol	16.90	266	68	7.663	ng	# 20
77) Benzidine	19.88	184	31143	3.621	ng	# 92

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

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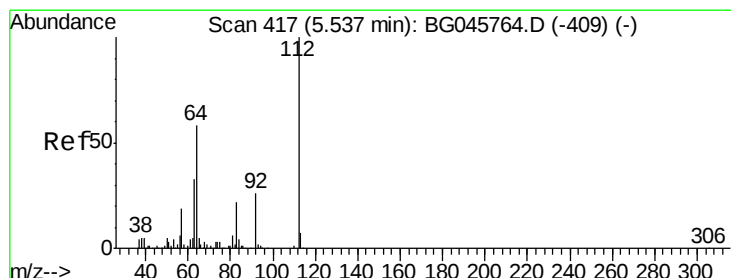
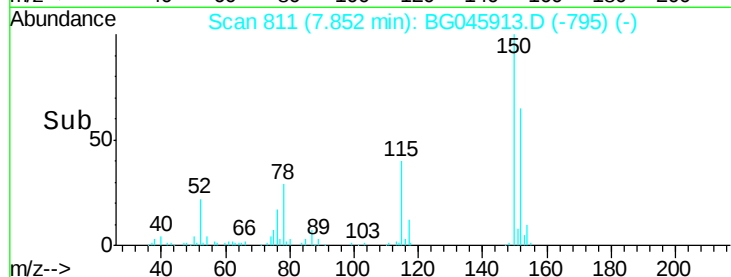
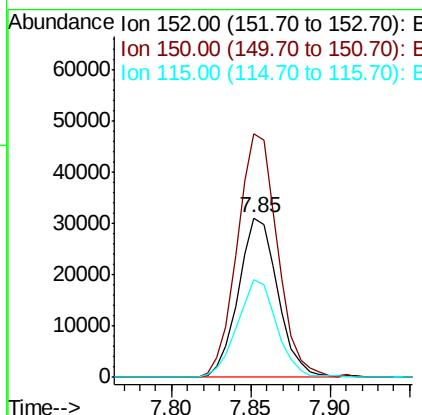
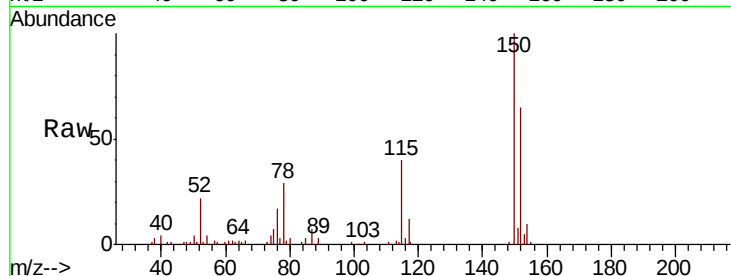


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG045913.D
Acq: 2 Jul 2020 14:04

Instrument :
BNA_G
ClientSampleId :
SP2-D

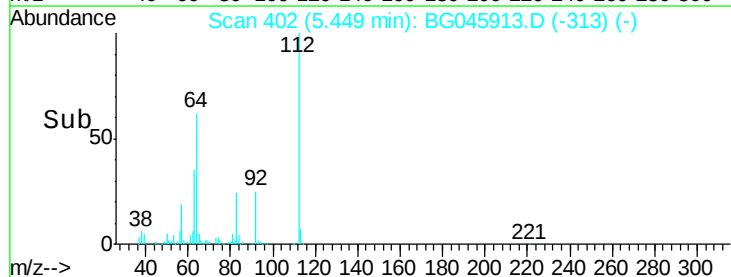
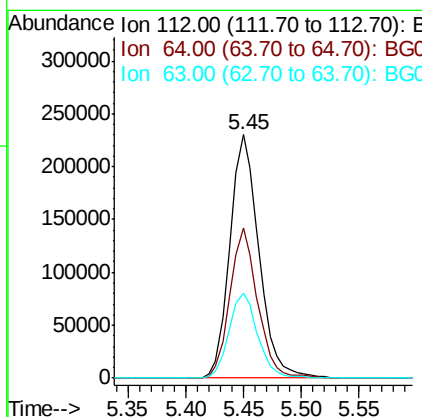
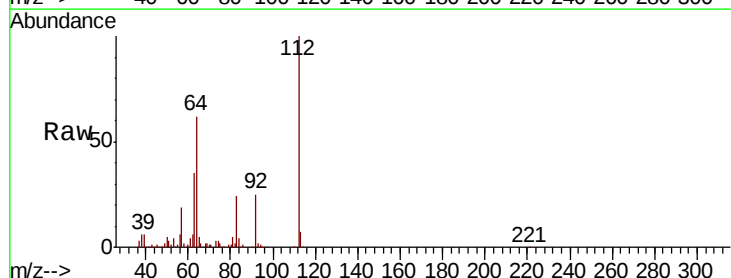
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.5	186.7
115	61.7	45.8	68.8

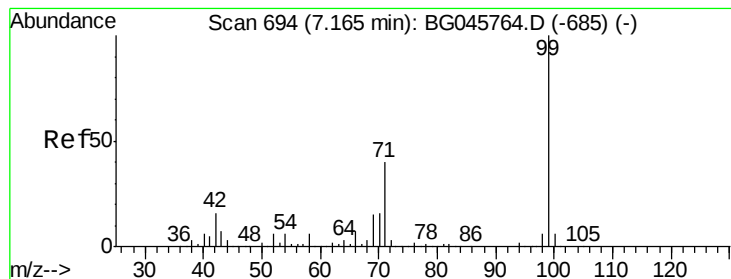


#5

2-Fluorophenol
Concen: 126.713 ng
RT: 5.45 min Scan# 402
Delta R.T. -0.01 min
Lab File: BG045913.D
Acq: 2 Jul 2020 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	44.9	67.3
63	34.7	26.9	40.3





#7

Phenol-d6

Concen: 100.725 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.01 min

Lab File: BG045913.D

Acq: 2 Jul 2020 14:04

Instrument :

BNA_G

ClientSampleId :

SP2-D

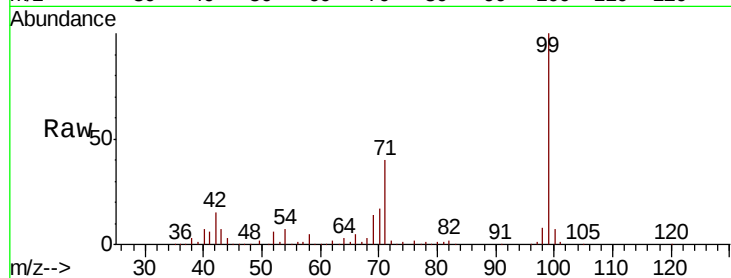
Tot Ion: 99 Resp: 485137

Ion Ratio Lower Upper

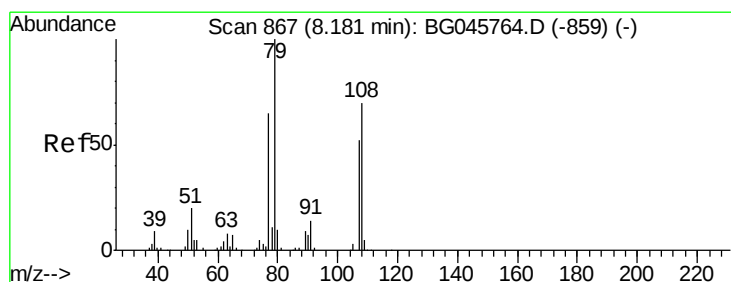
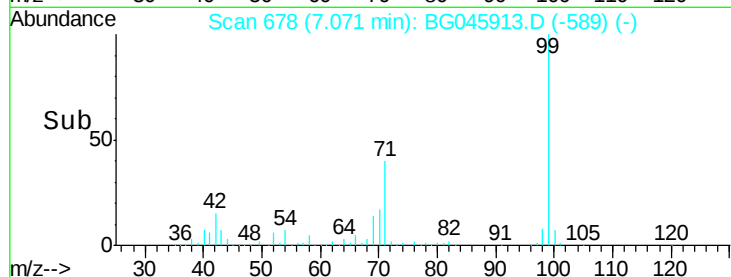
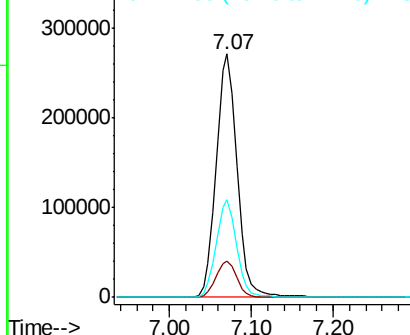
99 100

42 15.0 11.8 17.8

71 40.1 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: 2.280 ng

RT: 8.18 min Scan# 866

Delta R.T. 0.07 min

Lab File: BG045913.D

Acq: 2 Jul 2020 14:04

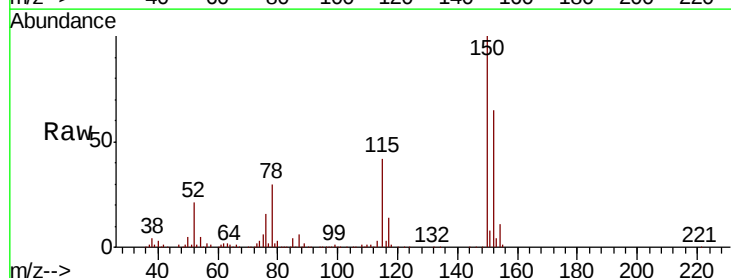
Tgt Ion: 79 Resp: 8498

Ion Ratio Lower Upper

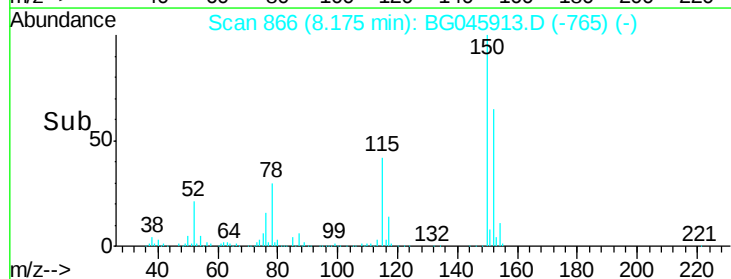
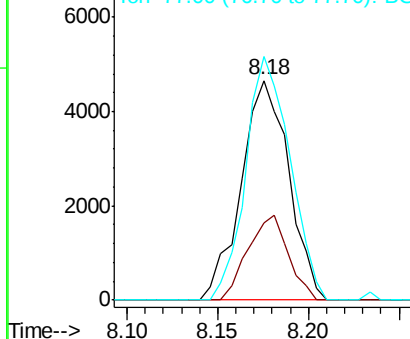
79 100

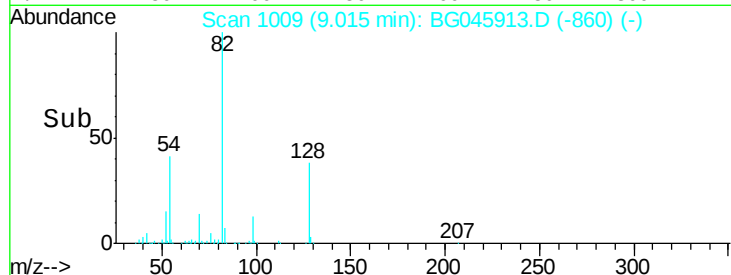
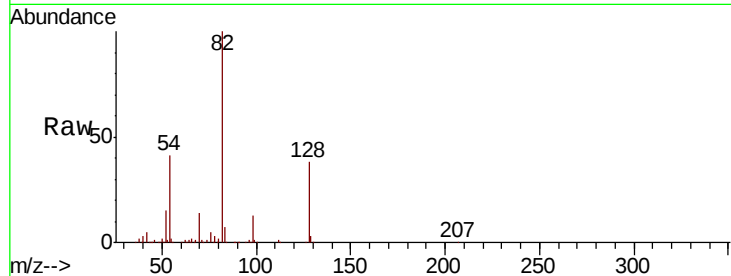
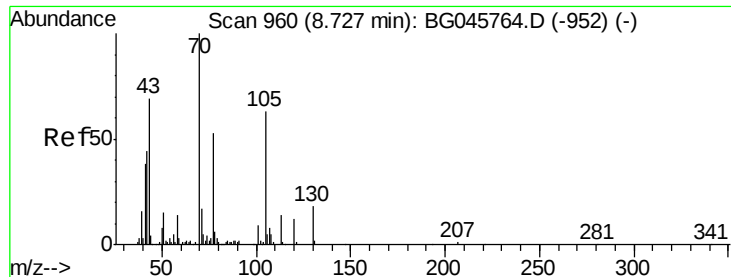
108 35.5 50.7 76.1#

77 111.0 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

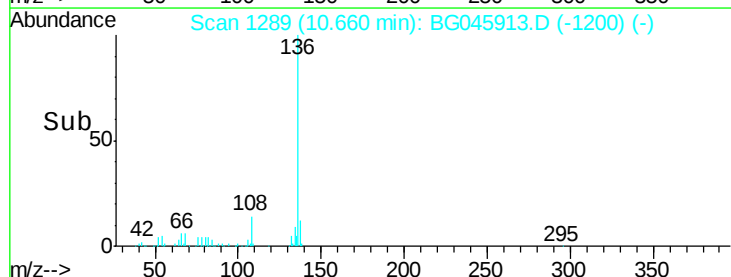
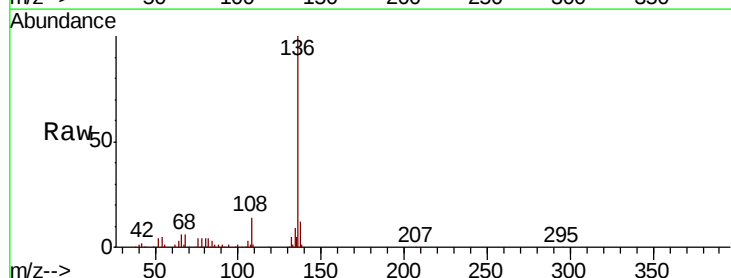
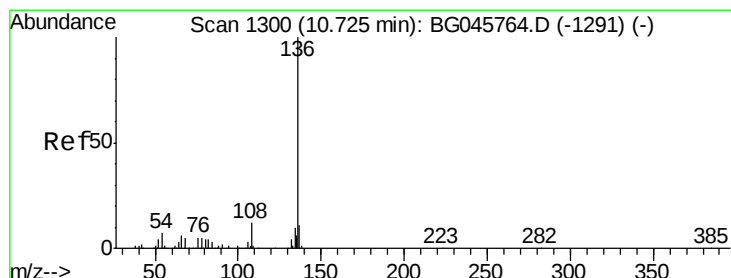
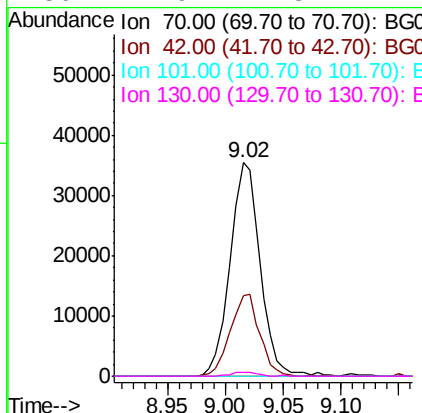




#19
n-Nitroso-di-n-propylamine
Concen: 20.159 ng
RT: 9.02 min Scan# 1009
Delta R.T. 0.35 min
Lab File: BG045913.D
Acq: 2 Jul 2020 14:04

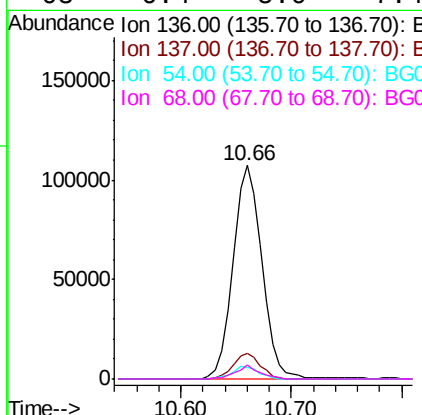
Instrument :
BNA_G
ClientSampled :
SP2-D

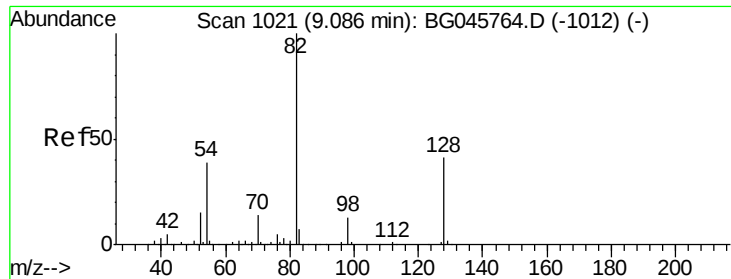
Tot Ion: 70 Resp: 63833
Ion Ratio Lower Upper
70 100
42 37.7 35.6 53.4
101 0.0 6.6 10.0#
130 1.9 14.8 22.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.66 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG045913.D
Acq: 2 Jul 2020 14:04

Tgt Ion: 136 Resp: 197451
Ion Ratio Lower Upper
136 100
137 12.2 8.2 12.4
54 5.5 4.6 7.0
68 6.4 5.0 7.4

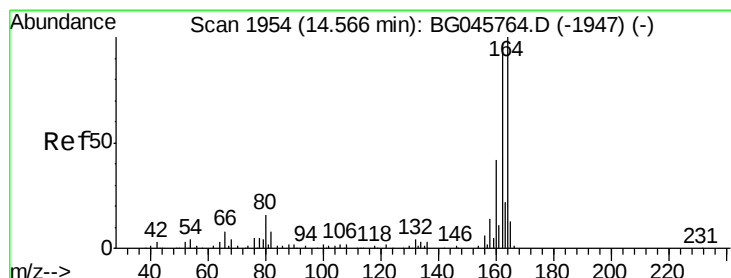
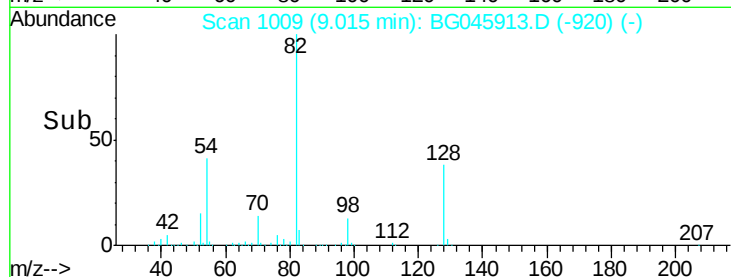
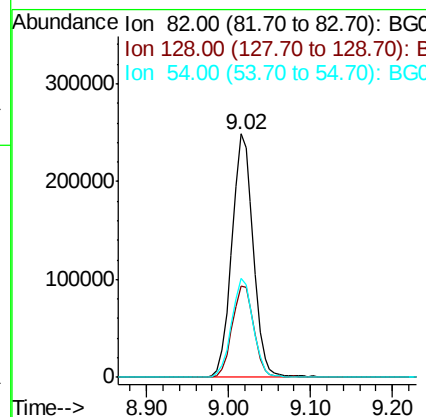
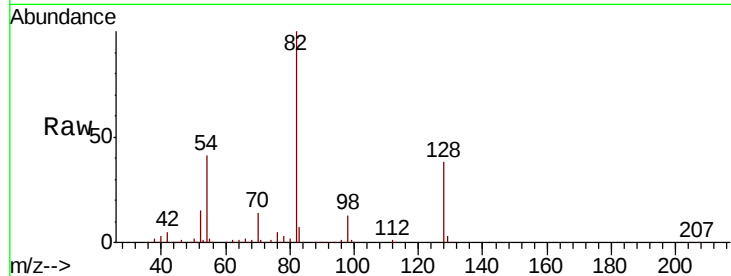




#23
 Nitrobenzene-d5
 Concen: 105.184 ng
 RT: 9.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BG045913.D
 Acq: 2 Jul 2020 14:04

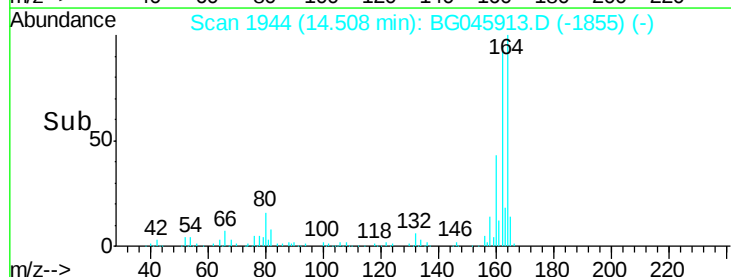
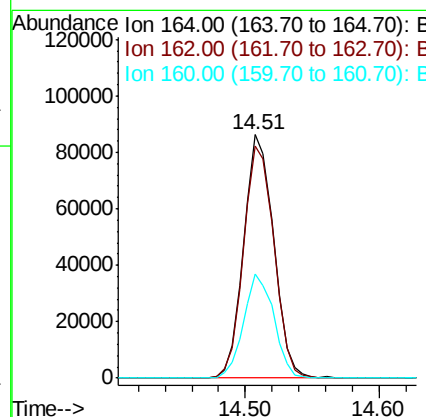
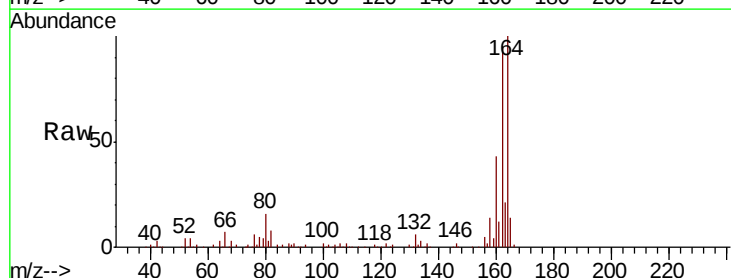
Instrument :
 BNA_G
 ClientSampleId :
 SP2-D

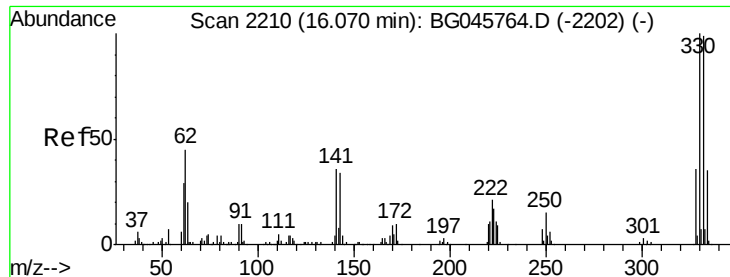
Tot Ion	82	Resp	454623
Ion Ratio	100	Lower	Upper
128	37.5	29.9	44.9
54	40.5	33.3	49.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: BG045913.D
 Acq: 2 Jul 2020 14:04

Tgt Ion	164	Resp	133652
Ion Ratio	100	Lower	Upper
162	95.1	78.8	118.2
160	42.8	33.8	50.6

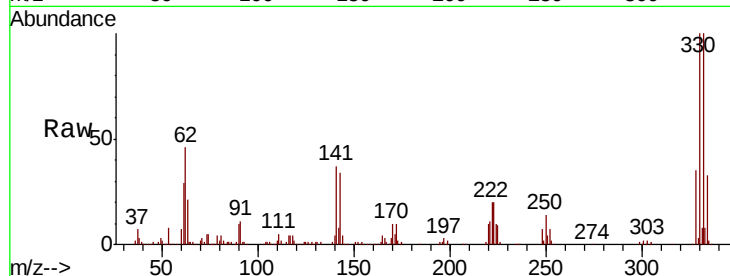




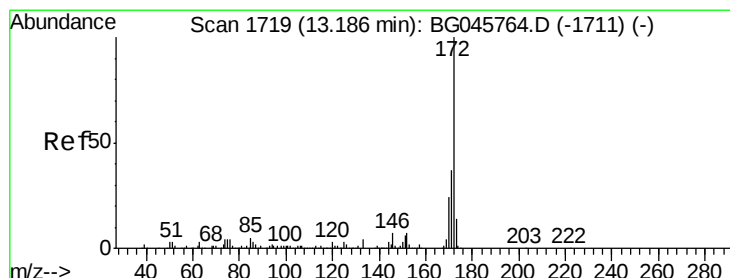
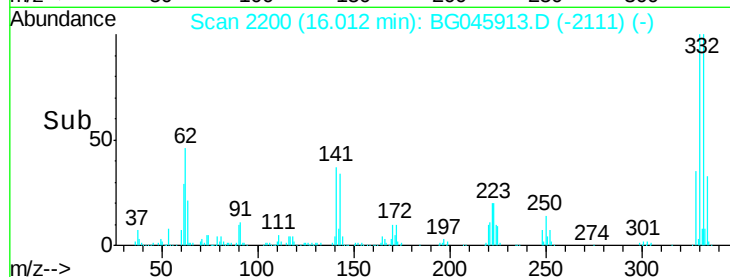
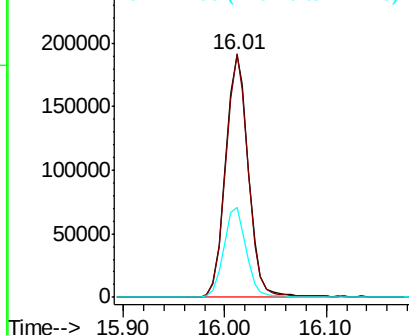
#42
 2,4,6-Tribromophenol
 Concen: 148.568 ng
 RT: 16.01 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG045913.D
 Acq: 2 Jul 2020 14:04

Instrument :
 BNA_G
 ClientSampled :
 SP2-D

Tot Ion:330 Resp: 299780
 Ion Ratio Lower Upper
 330 100
 332 98.5 79.4 119.0
 141 36.3 28.2 42.2

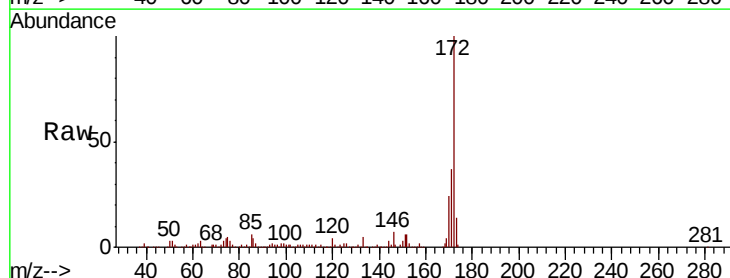


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

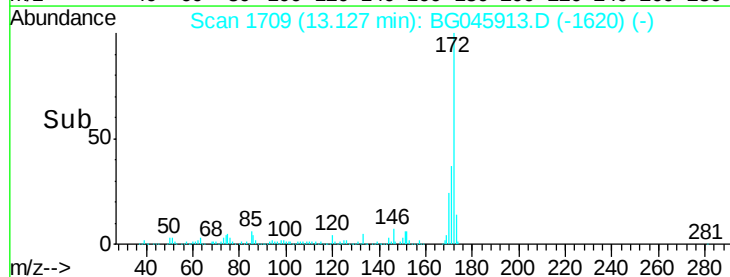
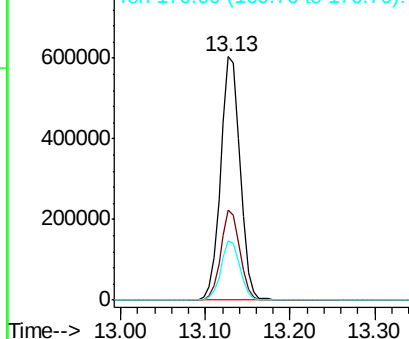


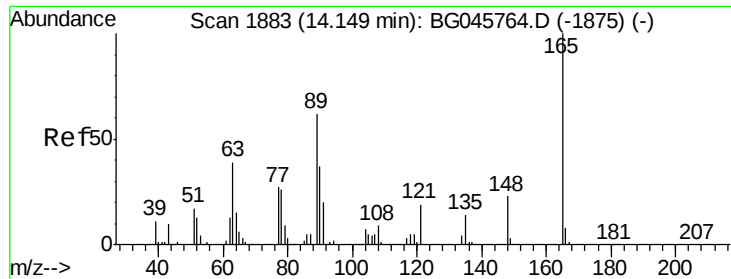
#45
 2-Fluorobiphenyl
 Concen: 106.573 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045913.D
 Acq: 2 Jul 2020 14:04

Tgt Ion:172 Resp: 969250
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.5 42.7
 170 24.4 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

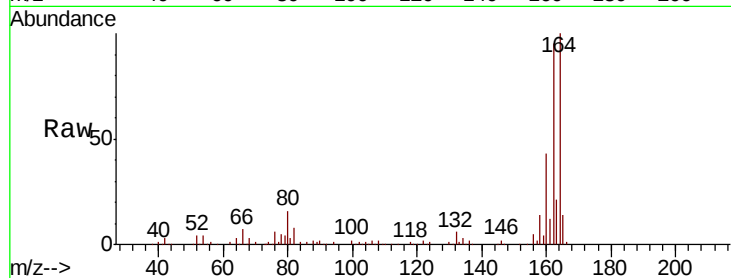




#51
 2,6-Dinitrotoluene
 Concen: 7.494 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. 0.41 min
 Lab File: BG045913.D
 Acq: 2 Jul 2020 14:04

Instrument :
 BNA_G
 ClientSampleId :
 SP2-D

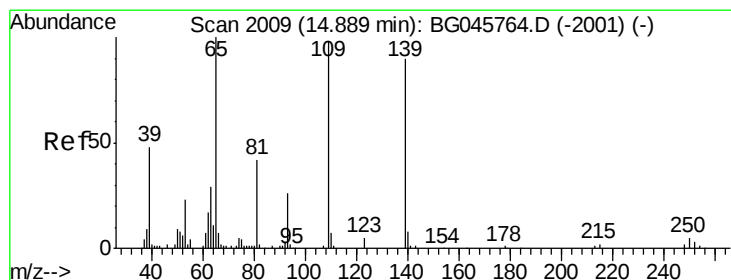
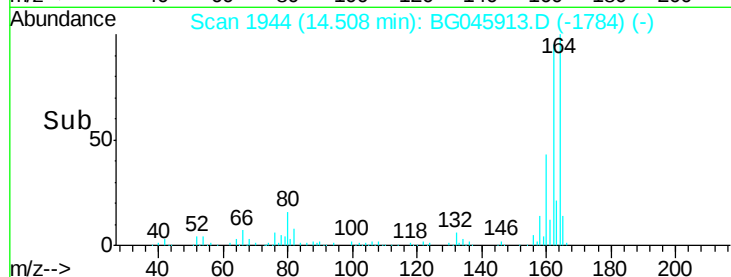
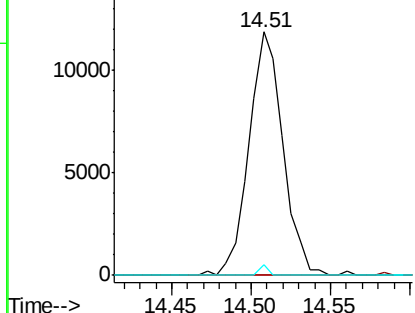
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.4	62.2#
89	4.2	45.4	68.0#



Abundance Ion 165.00 (164.70 to 165.70): E

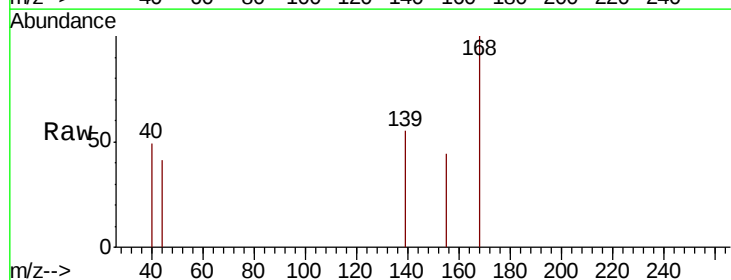
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
 4-Nitrophenol
 Concen: 4.031 ng
 RT: 14.92 min Scan# 2014
 Delta R.T. 0.12 min
 Lab File: BG045913.D
 Acq: 2 Jul 2020 14:04

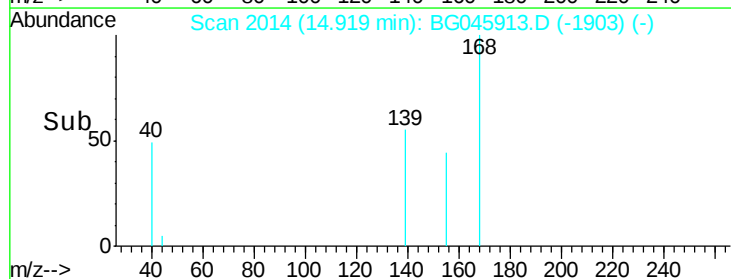
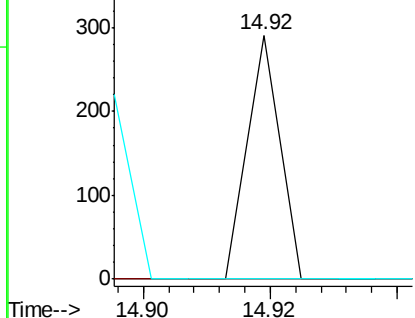
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	79.2	119.2#
65	0.0	91.0	131.0#

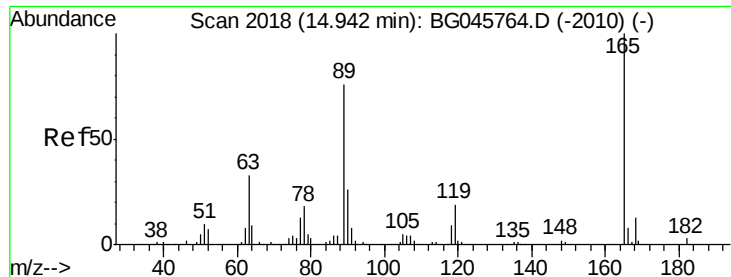


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

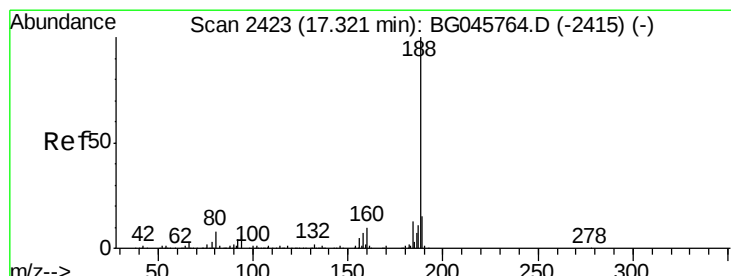
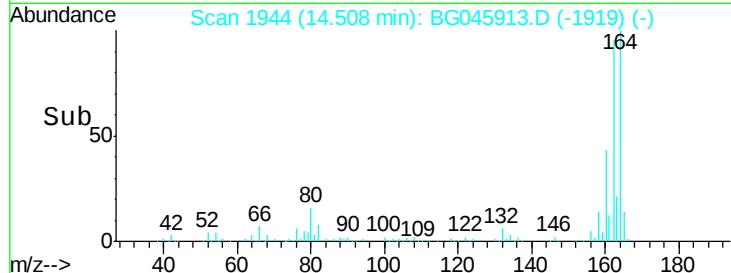
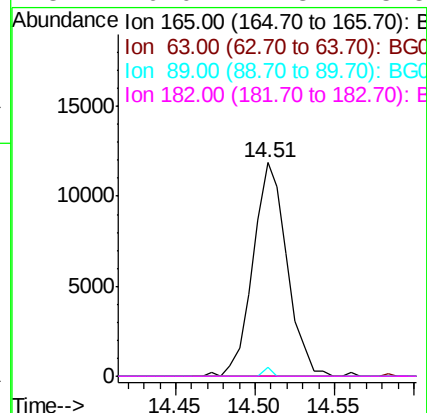
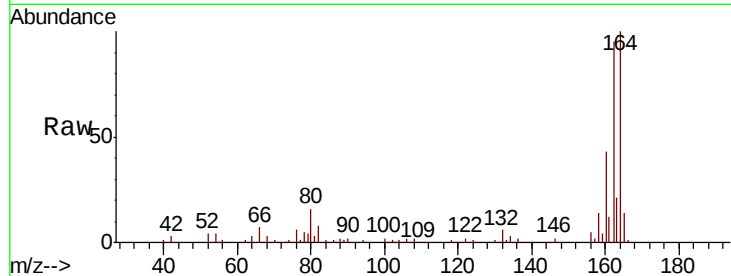




#57
 2,4-Dinitrotoluene
 Concen: 5.231 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.38 min
 Lab File: BG045913.D
 Acq: 2 Jul 2020 14:04

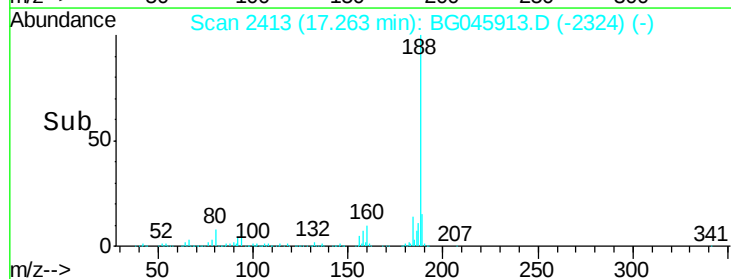
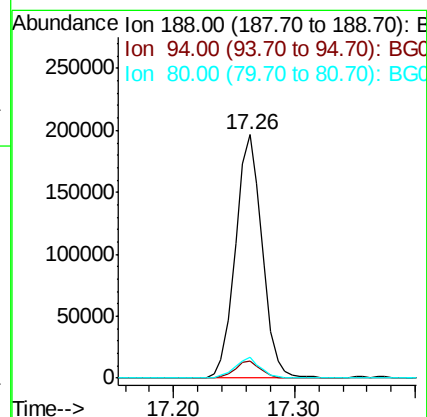
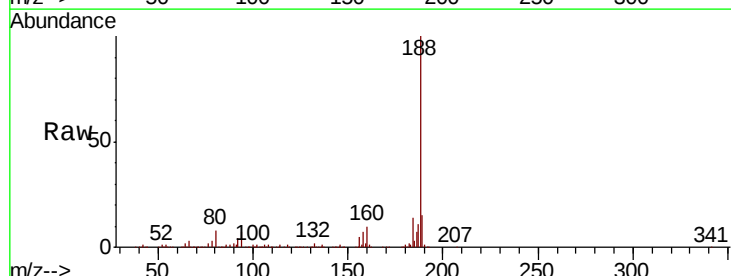
Instrument :
 BNA_G
 ClientSampleId :
 SP2-D

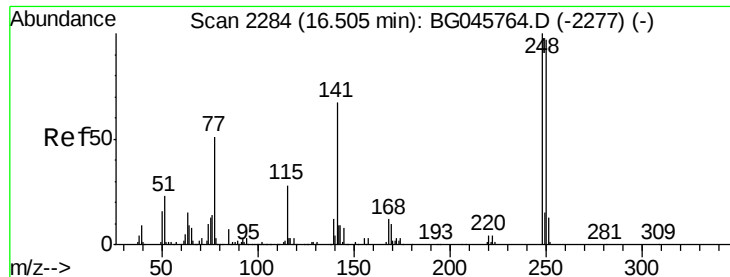
Tot Ion:	165	Resp:	17624
Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.5	51.7#
89	4.2	60.8	91.2#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.26 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG045913.D
 Acq: 2 Jul 2020 14:04

Tgt Ion:	188	Resp:	302056
Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.5	8.3
80	8.3	6.1	9.1

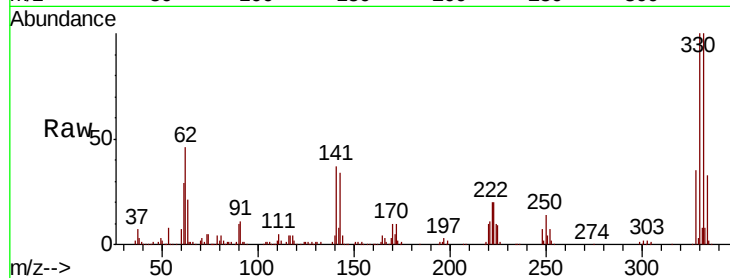




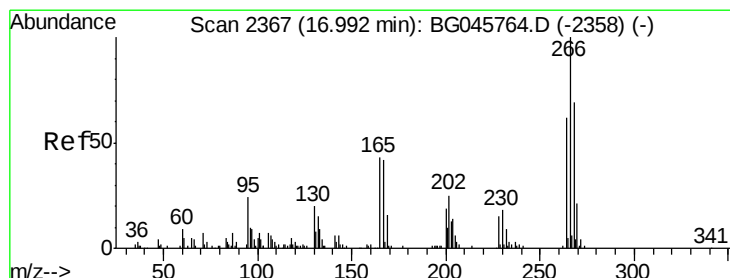
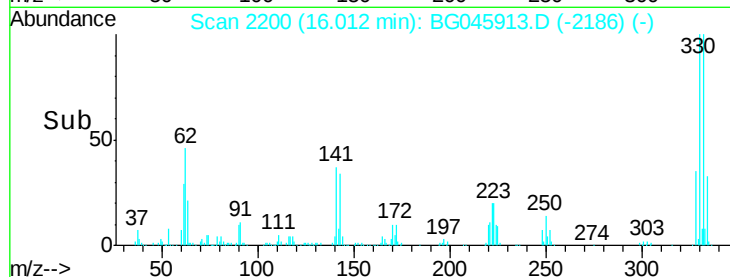
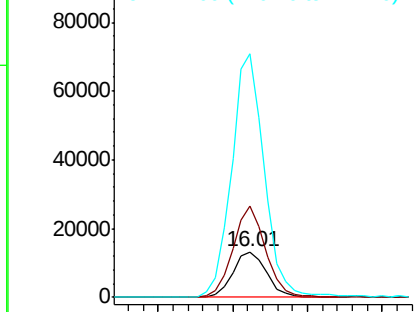
#67
4-Bromophenyl-phenylether
Concen: 5.246 ng
RT: 16.01 min Scan# 2200
Delta R.T. -0.45 min
Lab File: BG045913.D
Acq: 2 Jul 2020 14:04

Instrument :
BNA_G
ClientSampled :
SP2-D

Tot Ion:248 Resp: 20590
Ion Ratio Lower Upper
248 100
250 201.7 77.2 115.8#
141 538.0 52.6 79.0#

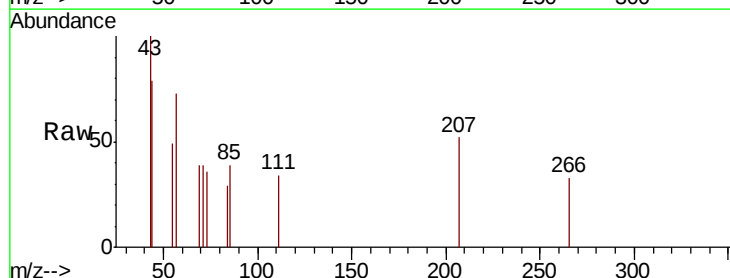


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

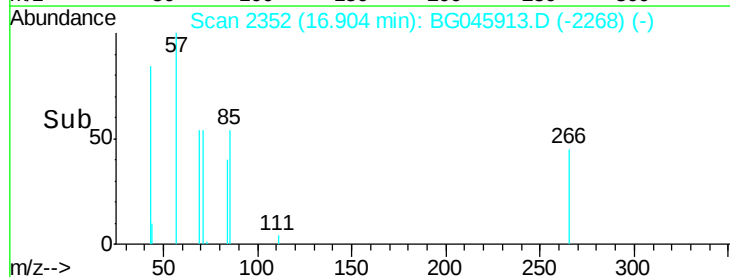
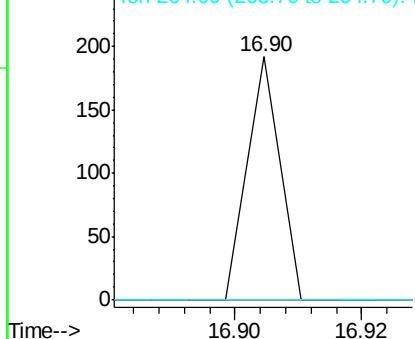


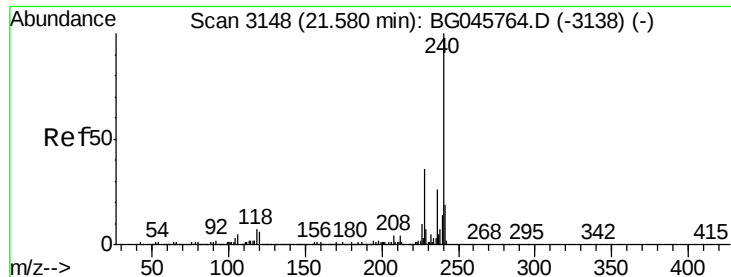
#70
Pentachlorophenol
Concen: 7.663 ng
RT: 16.90 min Scan# 2352
Delta R.T. -0.03 min
Lab File: BG045913.D
Acq: 2 Jul 2020 14:04

Tgt Ion:266 Resp: 68
Ion Ratio Lower Upper
266 100
268 0.0 50.5 75.7#
264 0.0 47.0 70.6#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.51 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BG045913.D

Acq: 2 Jul 2020 14:04

Instrument :

BNA_G

ClientSampleId :

SP2-D

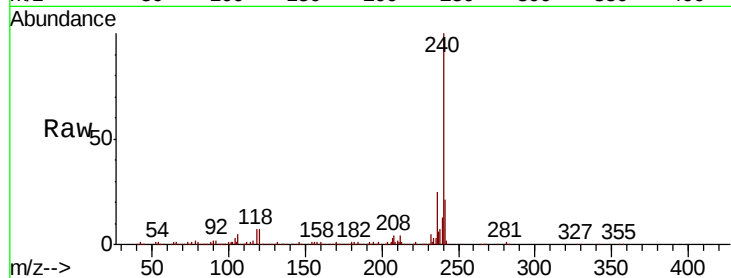
Tot Ion:240 Resp: 330833

Ion Ratio Lower Upper

240 100

120 7.3 5.2 7.8

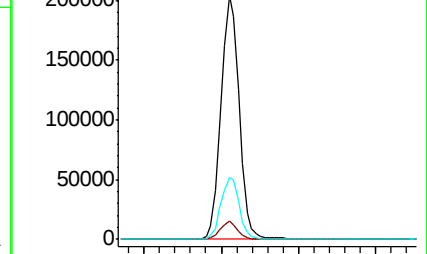
236 25.3 20.8 31.2



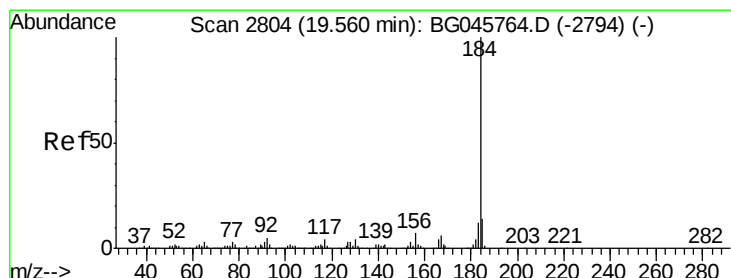
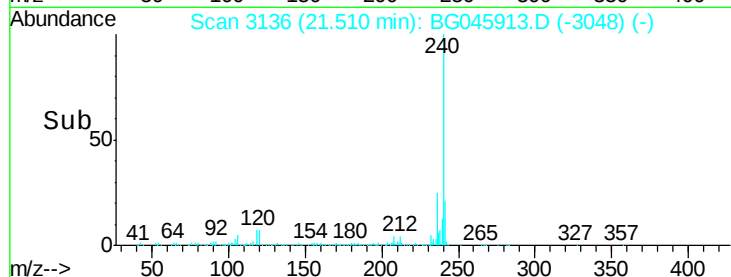
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Benzidine

Concen: 3.621 ng

RT: 19.88 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG045913.D

Acq: 2 Jul 2020 14:04

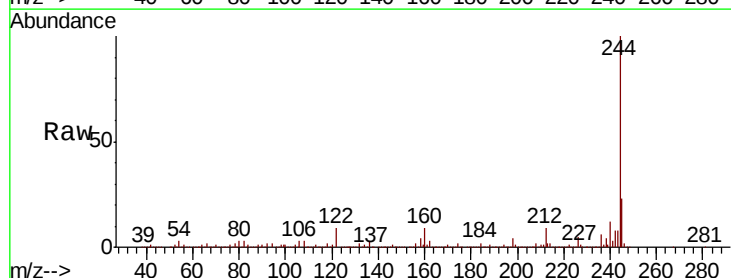
Tgt Ion:184 Resp: 31143

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

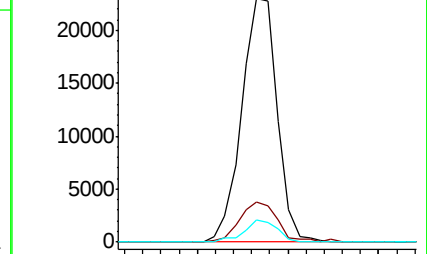
183 9.1 10.6 15.8#



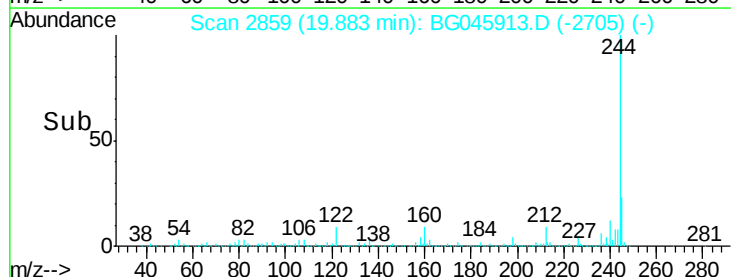
Abundance Ion 184.00 (183.70 to 184.70): E

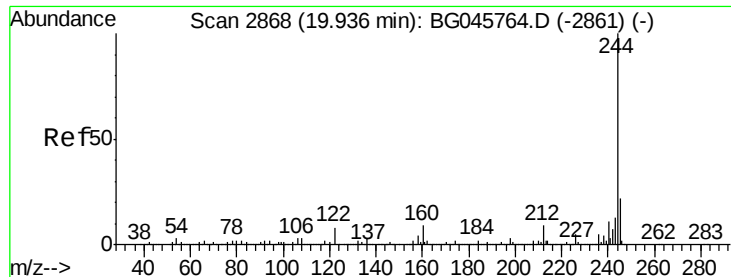
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 98.641 ng

RT: 19.88 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG045913.D

Acq: 2 Jul 2020 14:04

Instrument :

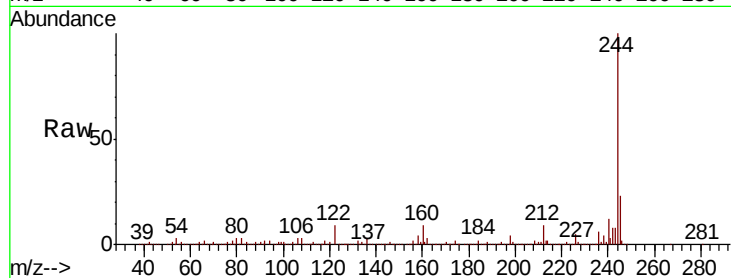
BNA_G

ClientSampled :

SP2-D

Tot Ion:244 Resp: 1610276

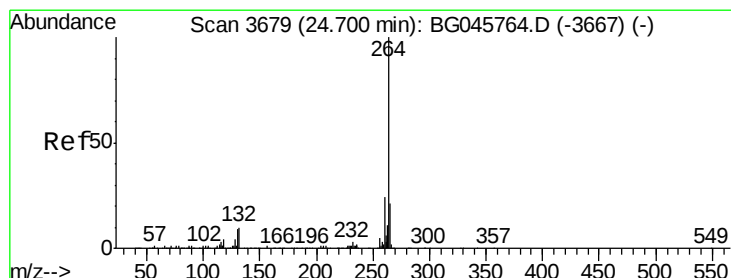
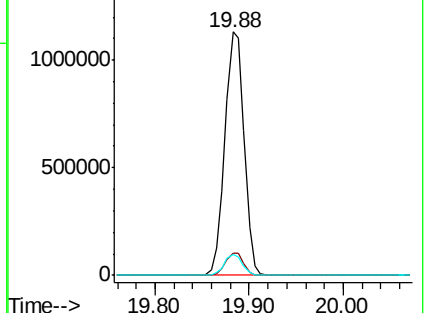
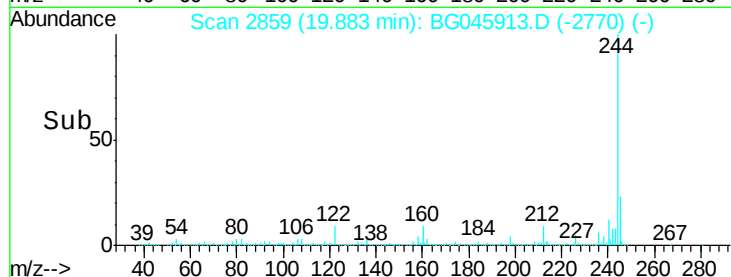
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.6
122	8.6	6.6	9.8



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

Perylene-d12

Concen: 20.000 ng

RT: 24.59 min Scan# 3661

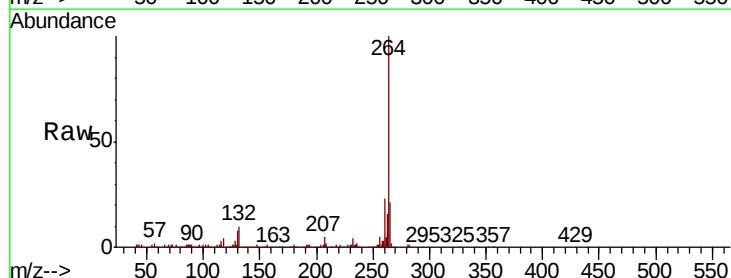
Delta R.T. -0.01 min

Lab File: BG045913.D

Acq: 2 Jul 2020 14:04

Tgt Ion:264 Resp: 351492

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.5	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

