

Data File : BG043987.D
Acq On : 9 Jan 2020 5:10
Operator : JU
Sample : L1013-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-010720

Quant Time: Jan 09 06:18:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

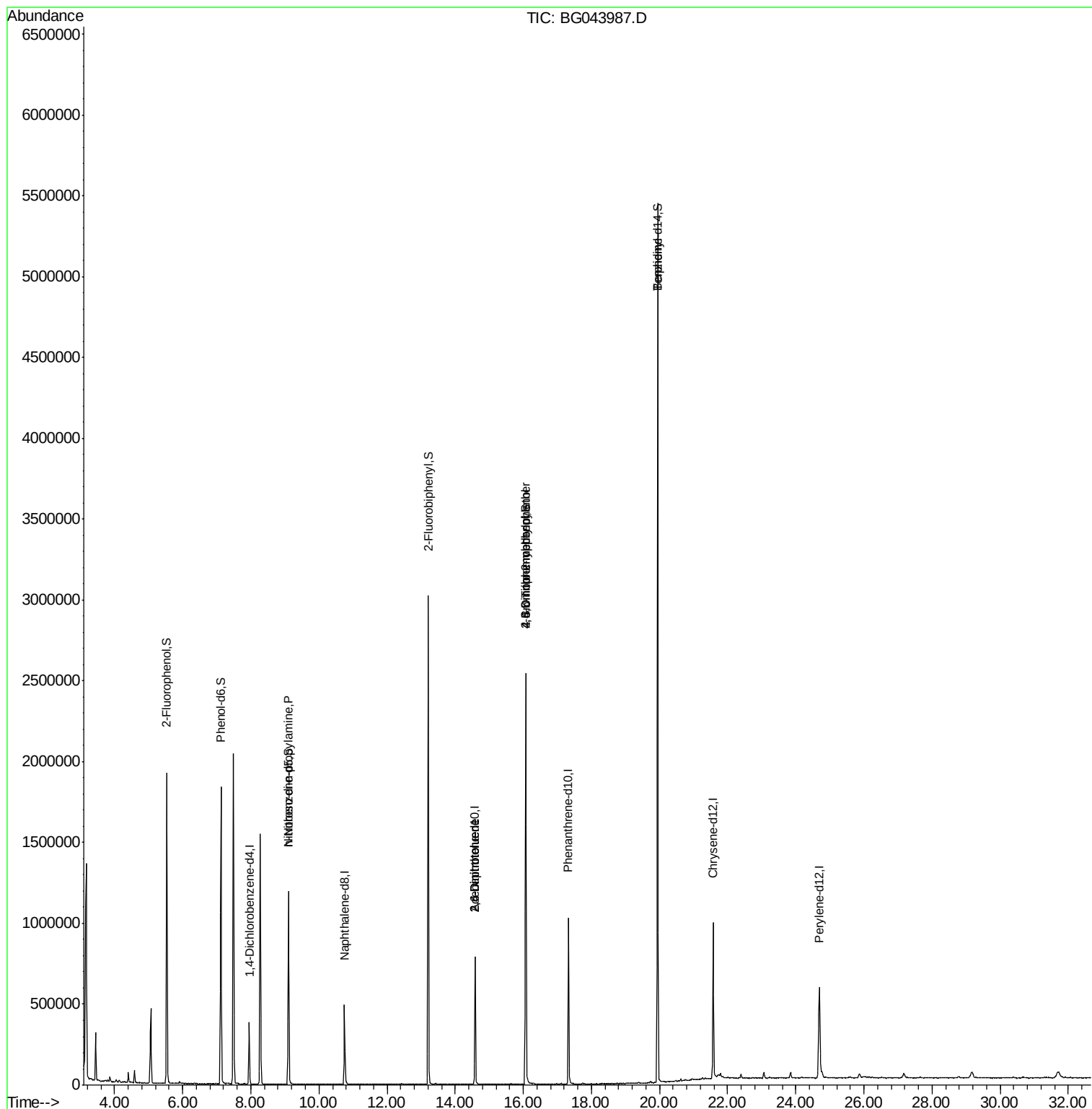
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	111746	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	450120	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	285387	20.00	ng	-0.02
64) Phenanthrene-d10	17.33	188	639730	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	555825	20.00	ng	-0.02
87) Perylene-d12	24.69	264	608524	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	899878	147.86	ng	0.00
7) Phenol-d6	7.12	99	1165561	137.01	ng	0.00
23) Nitrobenzene-d5	9.11	82	761273	90.48	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	484956	162.38	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	1588544	100.85	ng	-0.02
79) Terphenyl-d14	19.94	244	2393030	112.58	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	100494	15.862	ng	# 82
51) 2,6-Dinitrotoluene	14.58	165	37374	8.160	ng	# 27
57) 2,4-Dinitrotoluene	14.58	165	37371	5.997	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	1905	4.915	ng	# 12
67) 4-Bromophenyl-phenylether	16.07	248	34546	4.801	ng	# 1
77) Benzidine	19.94	184	47942	3.432	ng	# 93

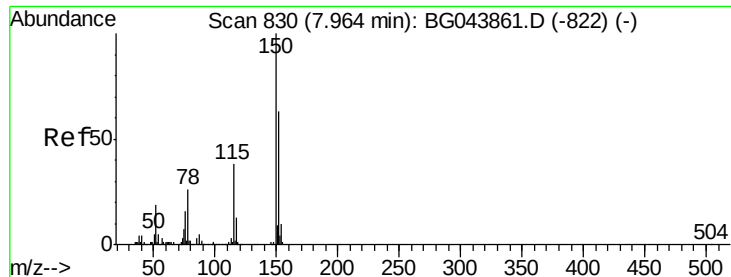
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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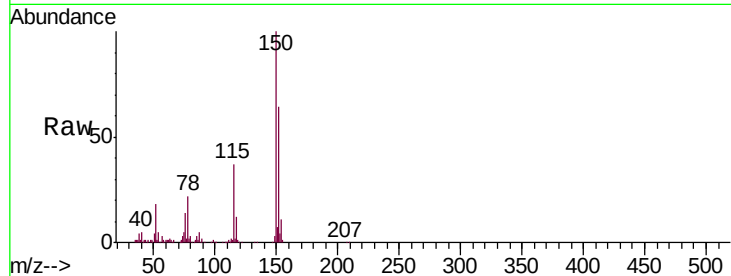


#1

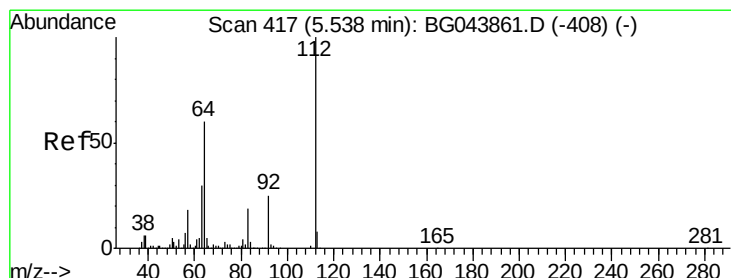
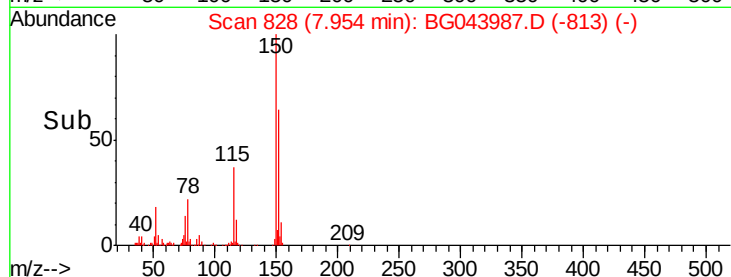
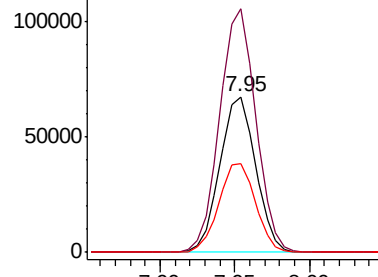
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG043987.D
Acq: 9 Jan 2020 5:10

Instrument :
BNA_G
ClientSampleId :
PL-01-010720

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	127.0	190.4
115	57.3	47.8	71.8



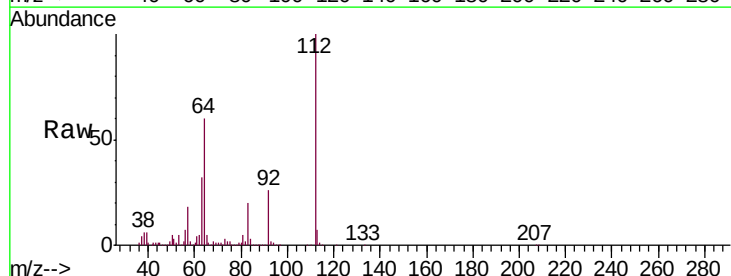
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



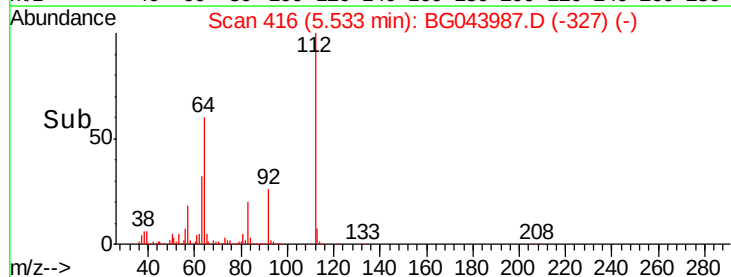
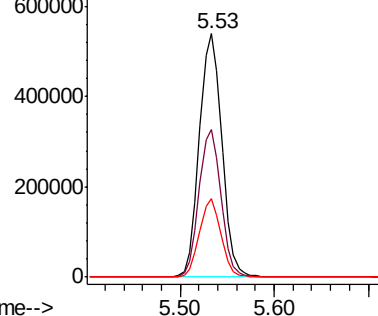
#5

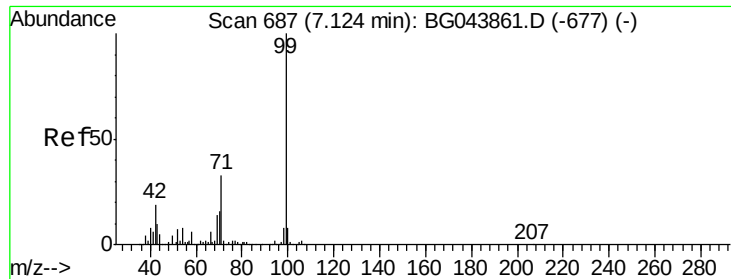
2-Fluorophenol
Concen: 147.861 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG043987.D
Acq: 9 Jan 2020 5:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.8	71.6
63	32.0	24.3	36.5



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: 137.010 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG043987.D

Acq: 9 Jan 2020 5:10

Instrument :

BNA_G

ClientSampleId :

PL-01-010720

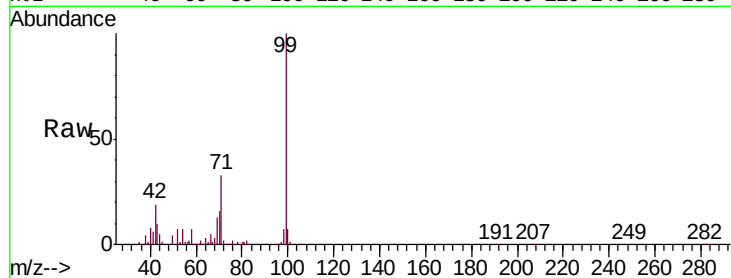
Tgt Ion: 99 Resp: 1165561

Ion Ratio Lower Upper

99 100

42 19.2 14.9 22.3

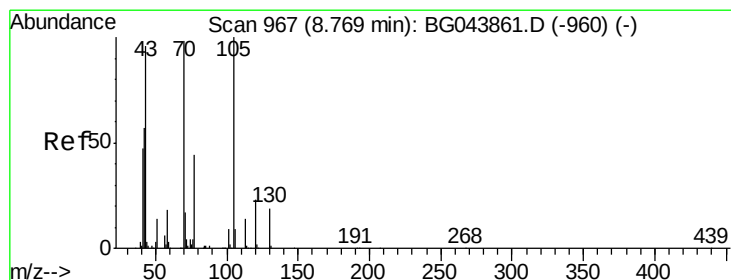
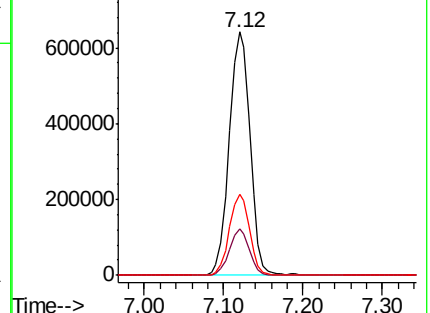
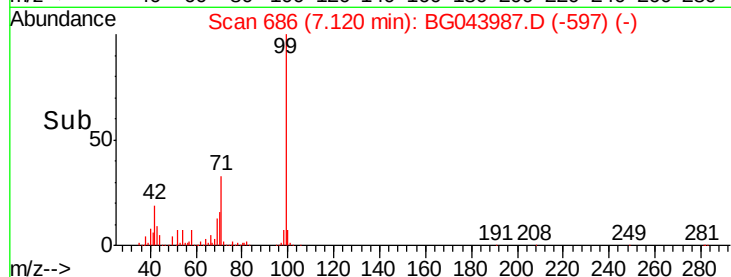
71 33.1 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.862 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG043987.D

Acq: 9 Jan 2020 5:10

Tgt Ion: 70 Resp: 100494

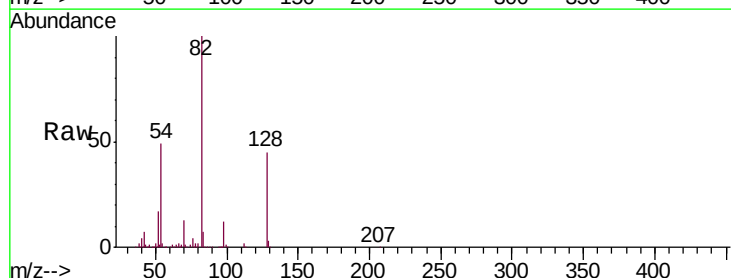
Ion Ratio Lower Upper

70 100

42 50.6 47.0 70.4

101 0.0 7.2 10.8#

130 2.4 15.6 23.4#

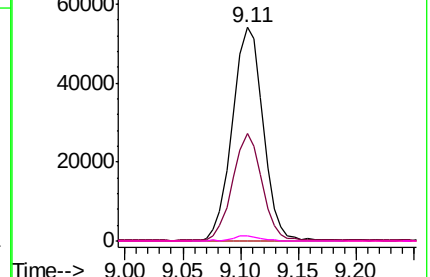
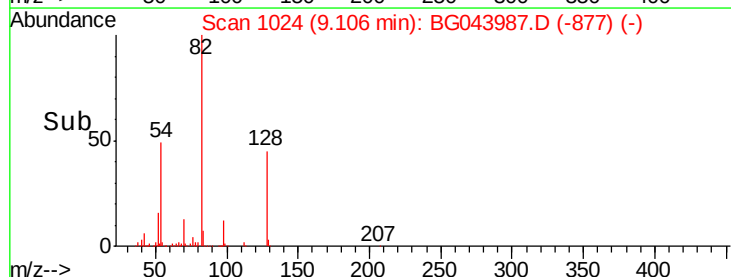


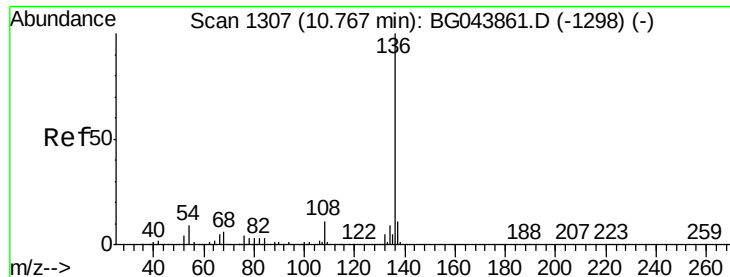
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

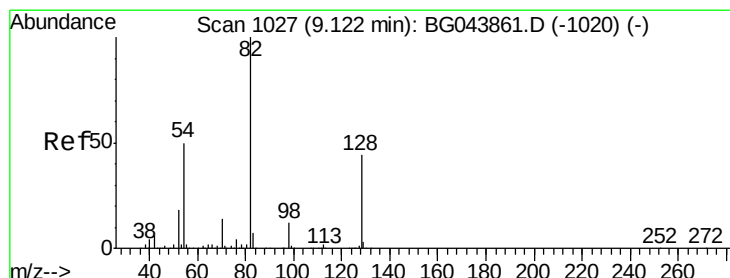
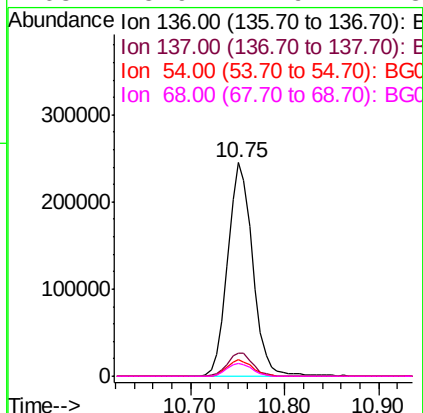
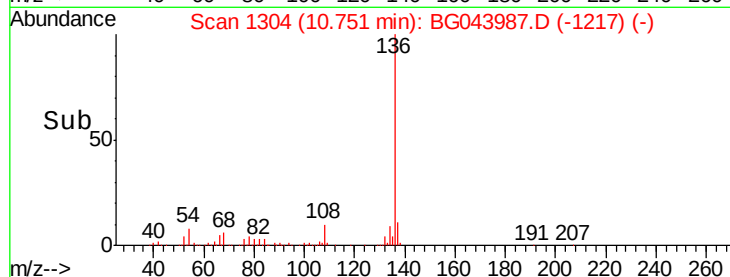
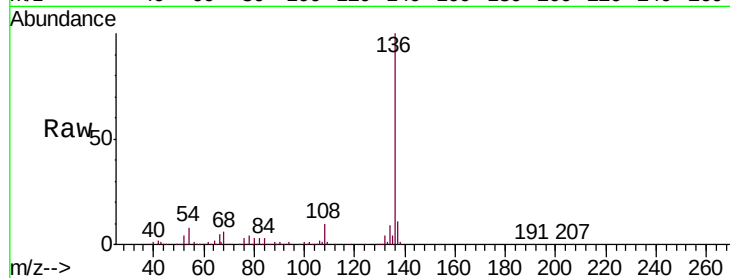




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG043987.D
Acq: 9 Jan 2020 5:10

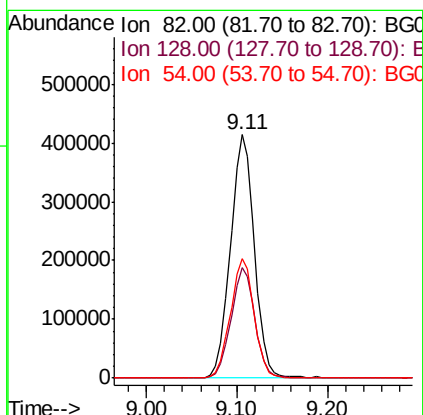
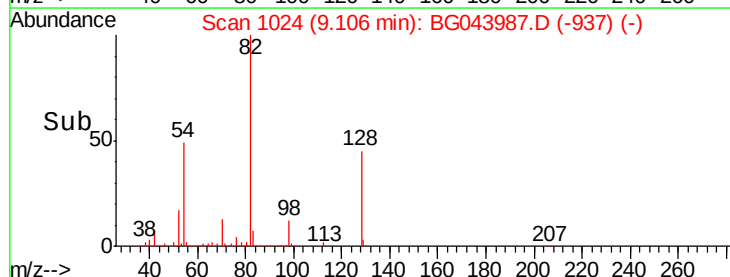
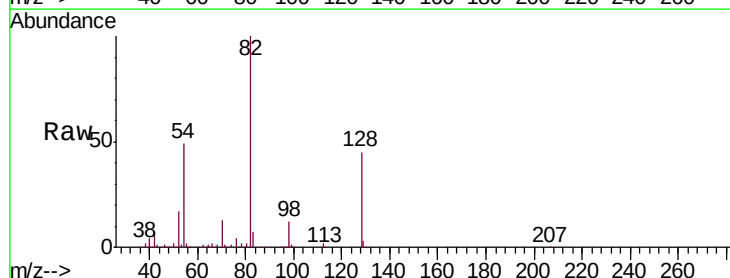
Instrument :
BNA_G
ClientSampleId :
PL-01-010720

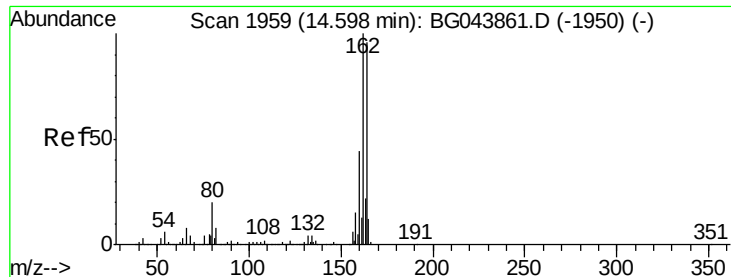
Tgt Ion:	136	Resp:	450120
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.9	7.0	10.4
68	5.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 90.476 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG043987.D
Acq: 9 Jan 2020 5:10

Tgt Ion:	82	Resp:	761273
Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.1	52.7
54	49.0	40.1	60.1

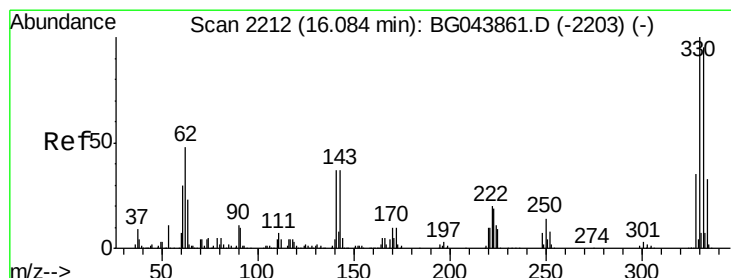
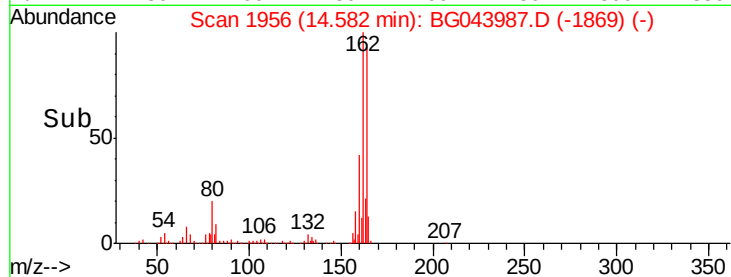
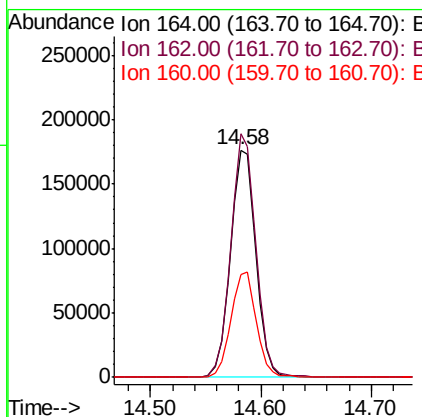
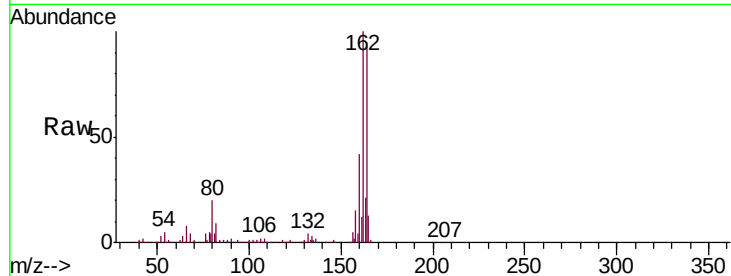




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

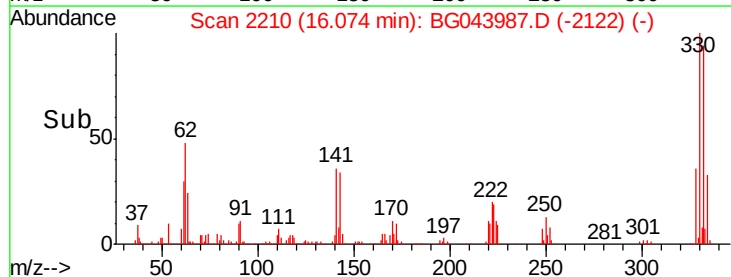
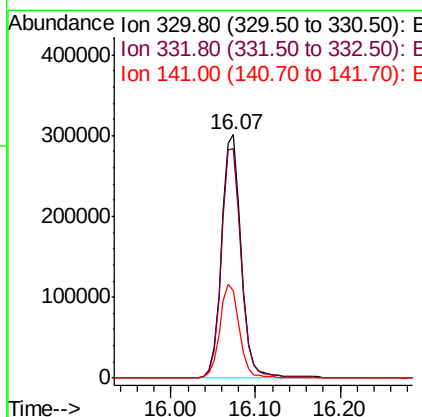
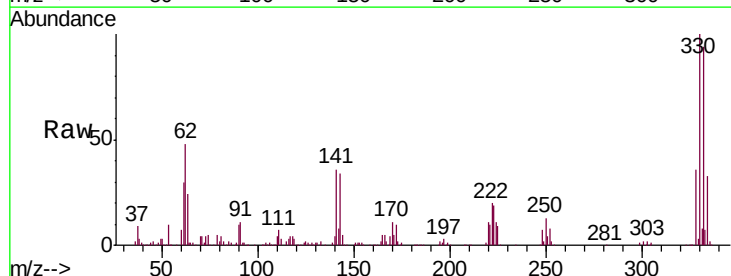
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-010720

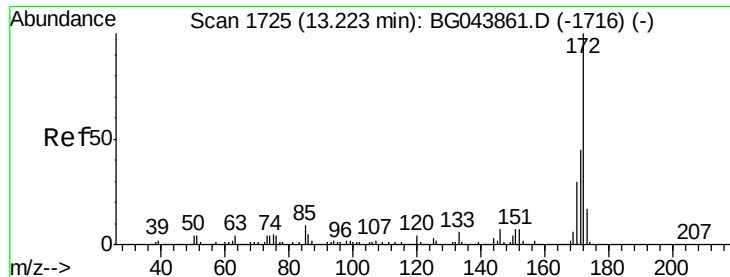
Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.2	83.0	124.4
160	45.5	36.1	54.1



#42
 2,4,6-Tribromophenol
 Concen: 162.382 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. -0.01 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.2	115.8
141	39.0	33.1	49.7

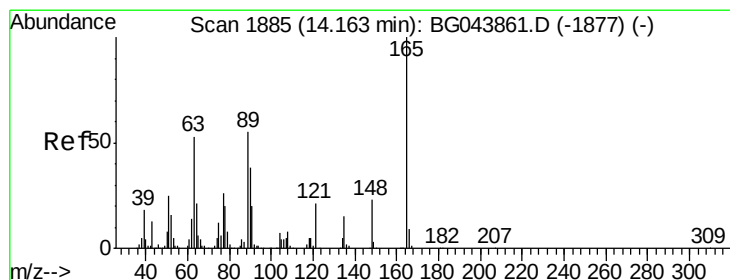
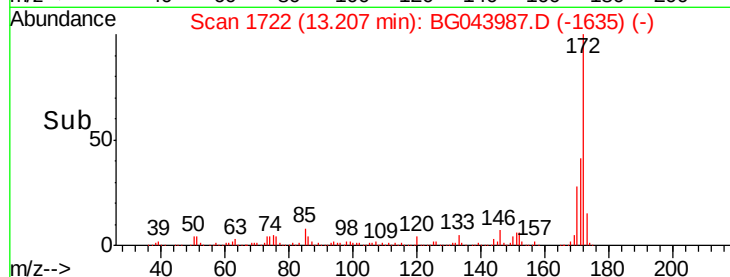
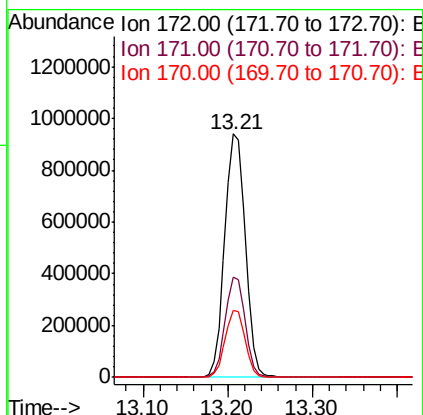
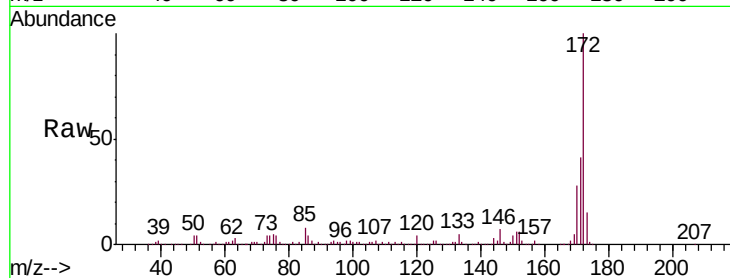




#45
 2-Fluorobiphenyl
 Concen: 100.848 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

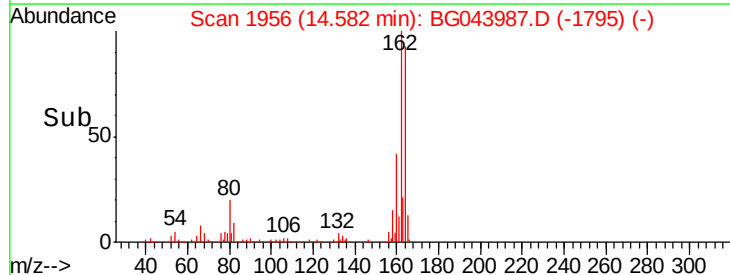
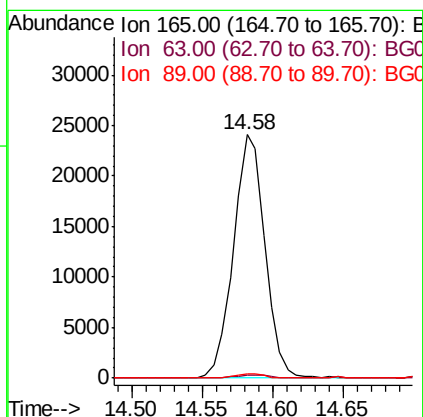
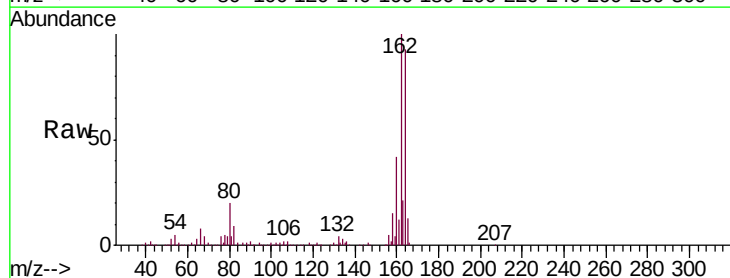
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-010720

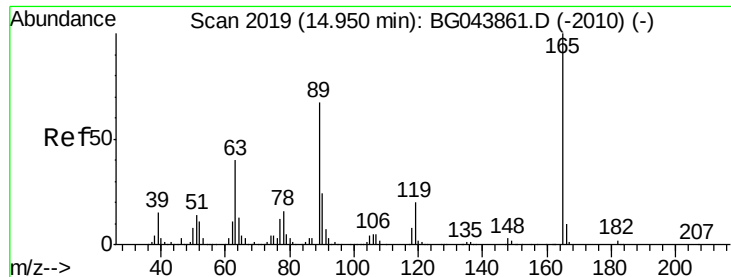
Tgt Ion:172 Resp: 1588544
 Ion Ratio Lower Upper
 172 100
 171 40.9 35.8 53.8
 170 27.8 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.160 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. 0.42 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

Tgt Ion:165 Resp: 37374
 Ion Ratio Lower Upper
 165 100
 63 1.4 43.1 64.7#
 89 2.0 43.8 65.6#

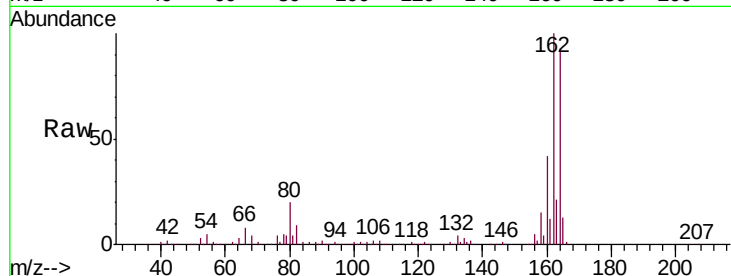




#57
 2,4-Dinitrotoluene
 Concen: 5.997 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.37 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-010720

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	31.9	47.9#
89	2.0	53.8	80.6#
182	0.0	2.0	3.0#

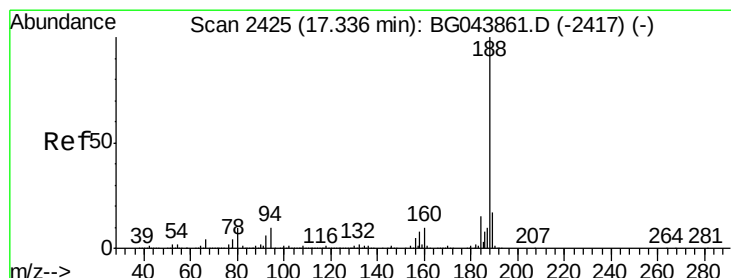
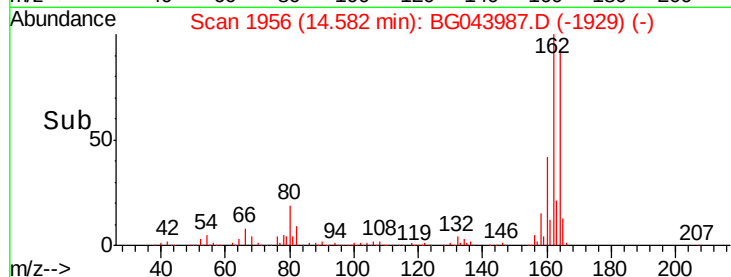
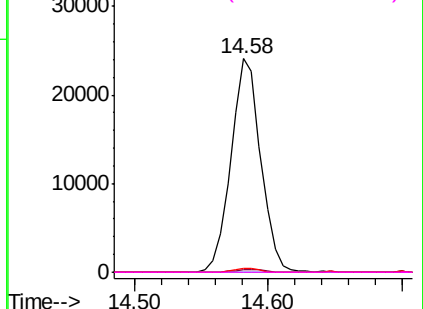


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

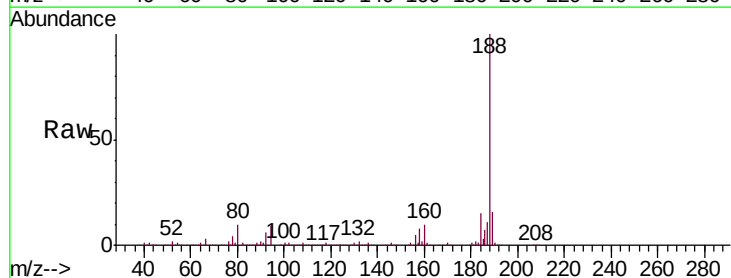
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.33 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

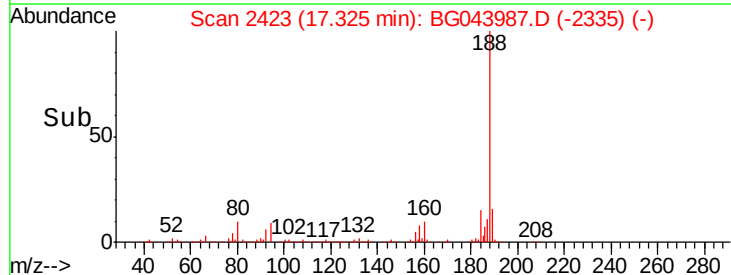
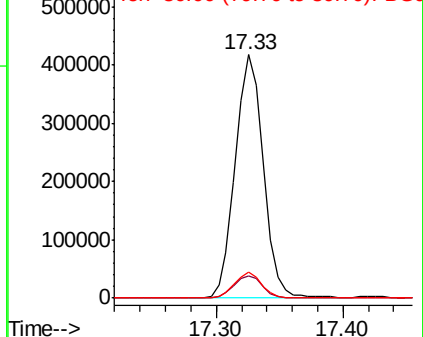
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.9	11.9
80	10.4	8.2	12.4

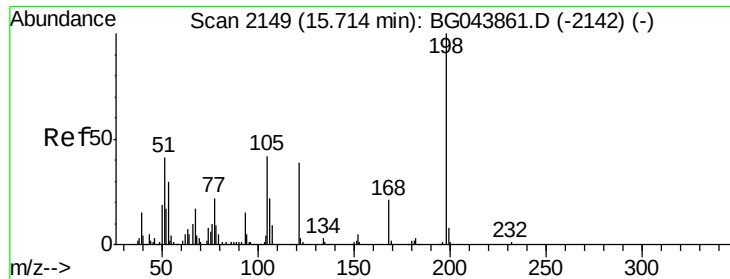


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

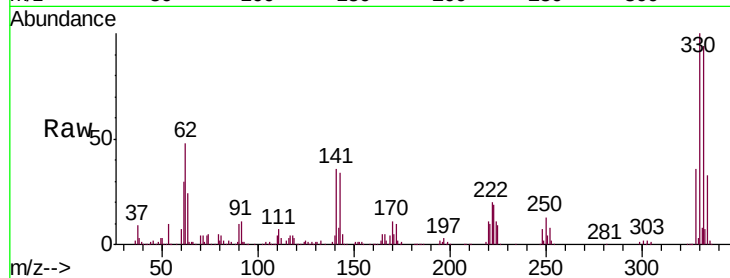




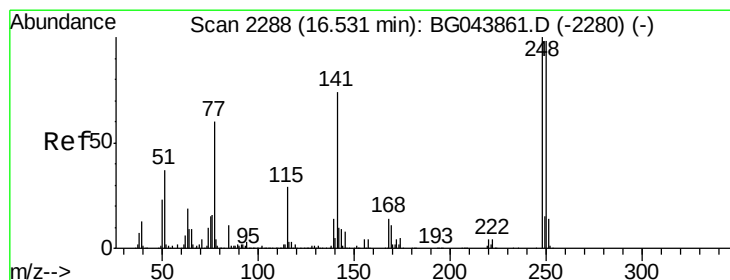
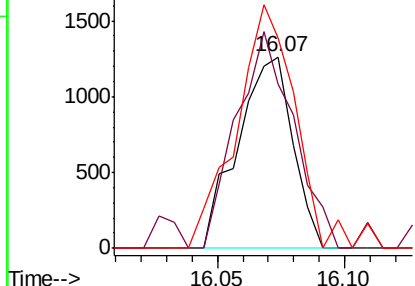
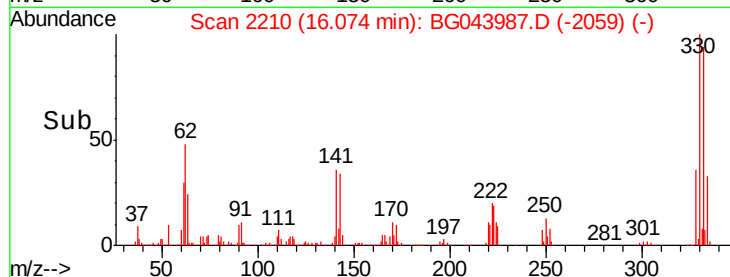
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.915 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. 0.36 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-010720

Tgt Ion:198 Resp: 1905
 Ion Ratio Lower Upper
 198 100
 51 86.2 22.5 62.5#
 105 109.8 22.3 62.3#

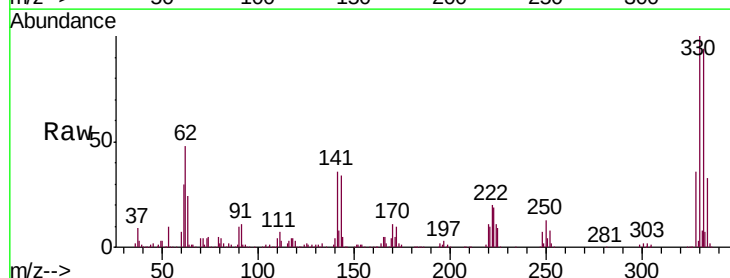


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

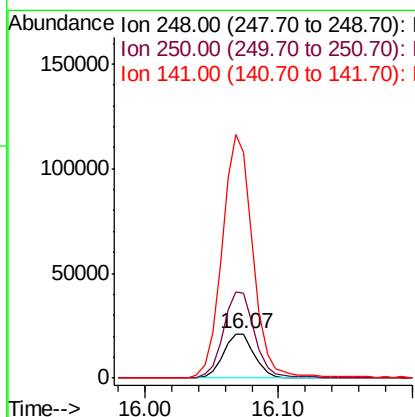
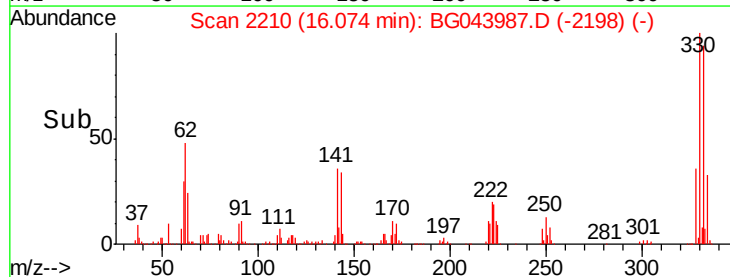


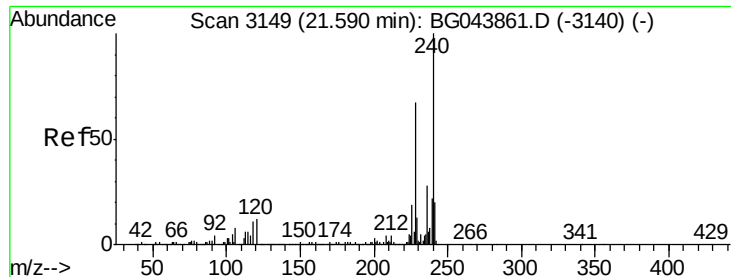
#67
 4-Bromophenyl-phenylether
 Concen: 4.801 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. -0.46 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

Tgt Ion:248 Resp: 34546
 Ion Ratio Lower Upper
 248 100
 250 192.7 78.2 117.2#
 141 513.0 59.3 88.9#



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

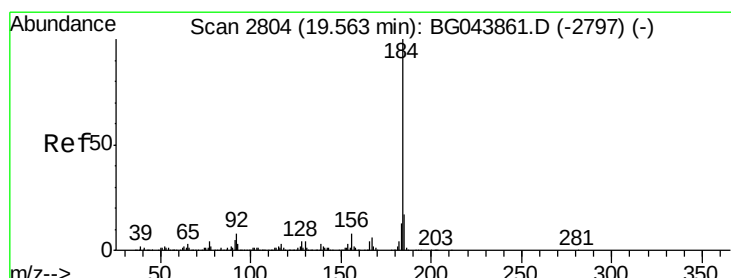
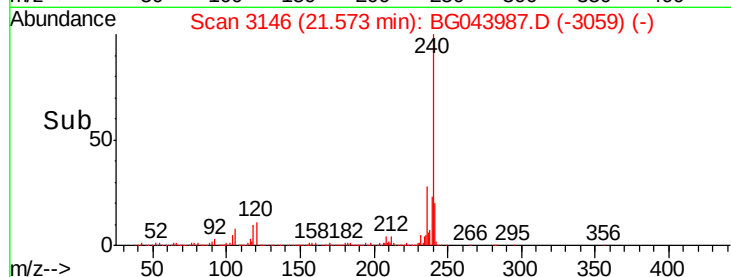
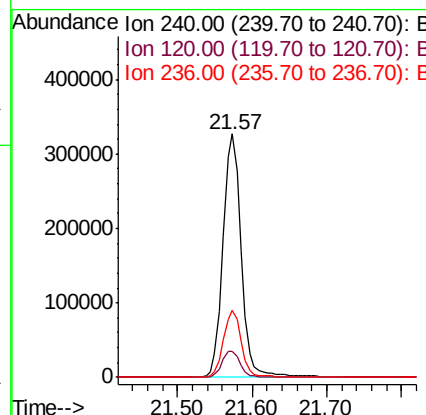
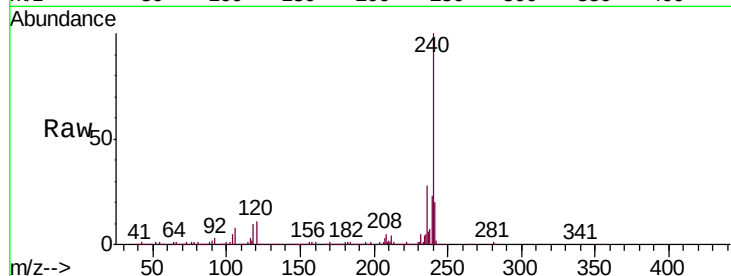




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

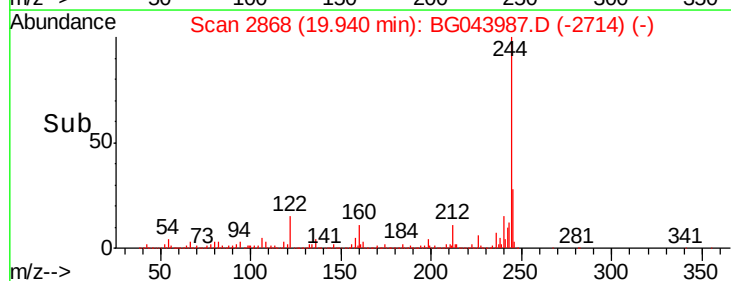
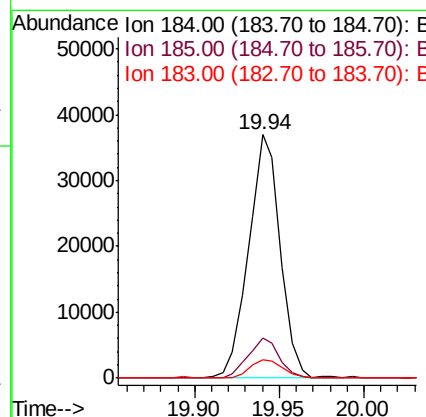
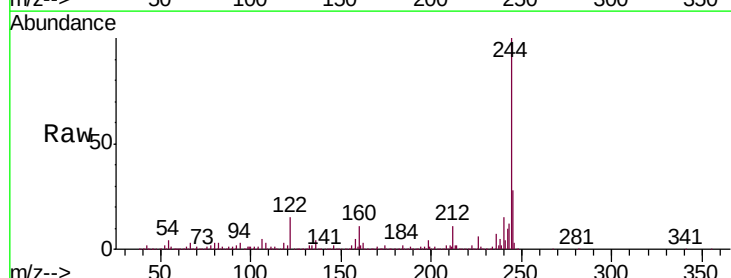
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-010720

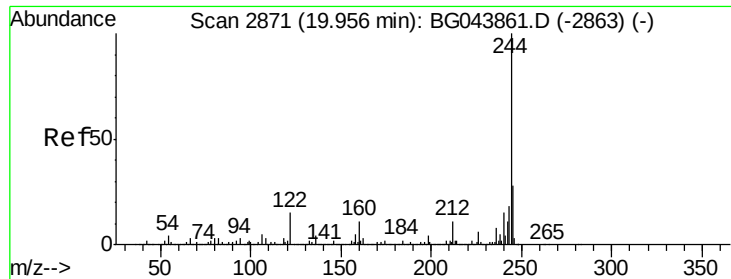
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.6	14.4
236	27.5	22.2	33.2



#77
 Benzidine
 Concen: 3.432 ng
 RT: 19.94 min Scan# 2868
 Delta R.T. 0.38 min
 Lab File: BG043987.D
 Acq: 9 Jan 2020 5:10

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.5	13.4	20.0
183	7.3	10.6	15.8#





#79

Terphenyl-d14

Concen: 112.577 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG043987.D

Acq: 9 Jan 2020 5:10

Instrument :

BNA_G

ClientSampleId :

PL-01-010720

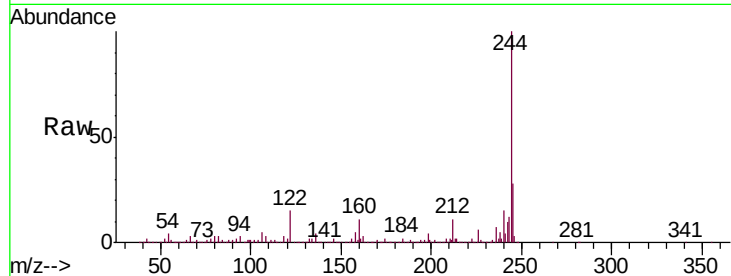
Tgt Ion:244 Resp: 2393030

Ion Ratio Lower Upper

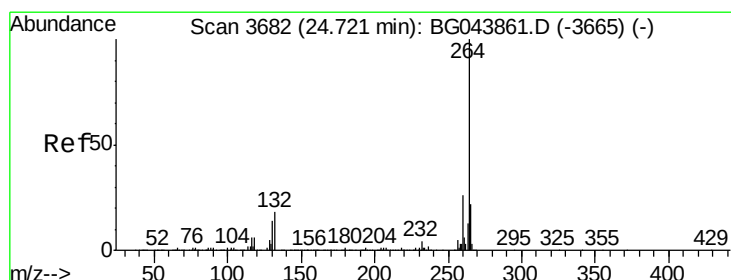
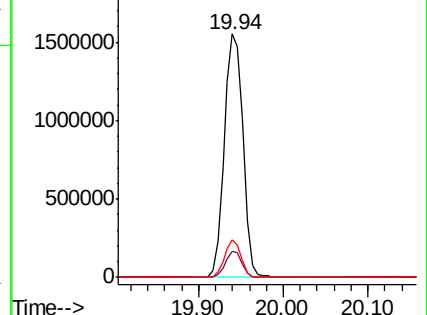
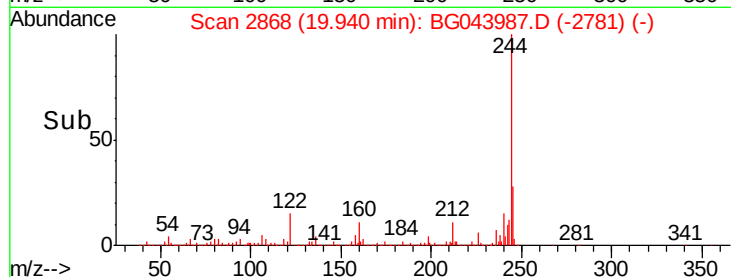
244 100

212 10.8 8.6 13.0

122 15.3 11.9 17.9



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: 24.69 min Scan# 3677

Delta R.T. -0.03 min

Lab File: BG043987.D

Acq: 9 Jan 2020 5:10

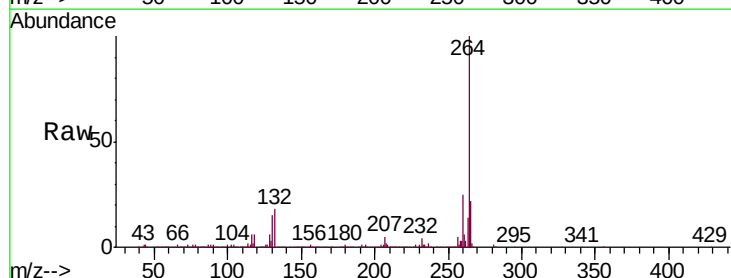
Tgt Ion:264 Resp: 608524

Ion Ratio Lower Upper

264 100

260 24.6 20.4 30.6

265 21.7 17.4 26.2



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

