

Data File : BG043988.D
Acq On : 9 Jan 2020 5:50
Operator : JU
Sample : L1016-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Jan 09 07:58:03 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	115412	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	444298	20.00	ng	-0.01
39) Acenaphthene-d10	14.59	164	286068	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	638243	20.00	ng	0.00
76) Chrysene-d12	21.57	240	557719	20.00	ng	-0.02
87) Perylene-d12	24.69	264	608931	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	915884	145.71	ng	0.00
7) Phenol-d6	7.12	99	1222456	139.13	ng	0.00
23) Nitrobenzene-d5	9.11	82	754912	90.90	ng	-0.01
42) 2,4,6-Tribromophenol	16.07	330	477634	159.55	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	1595078	101.02	ng	-0.01
79) Terphenyl-d14	19.94	244	2379830	111.11	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	99221	15.164	ng	# 78
51) 2,6-Dinitrotoluene	14.59	165	37942	8.264	ng	# 26
57) 2,4-Dinitrotoluene	14.59	165	37942	6.074	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	1601	4.832	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	35119	4.892	ng	# 1
77) Benzidine	19.94	184	46333	3.305	ng	# 93

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

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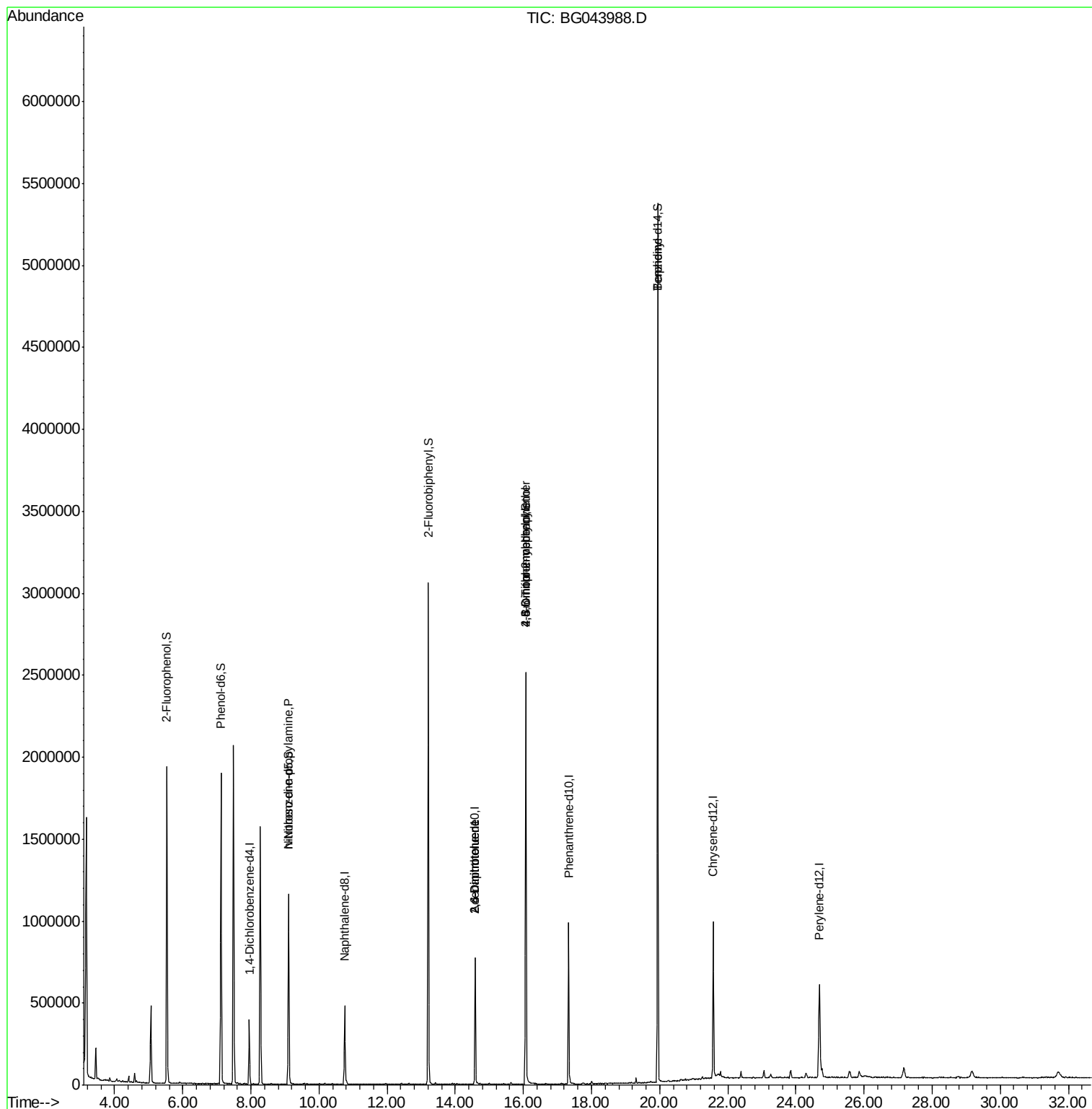
Quant Time: Jan 09 07:58:03 2020

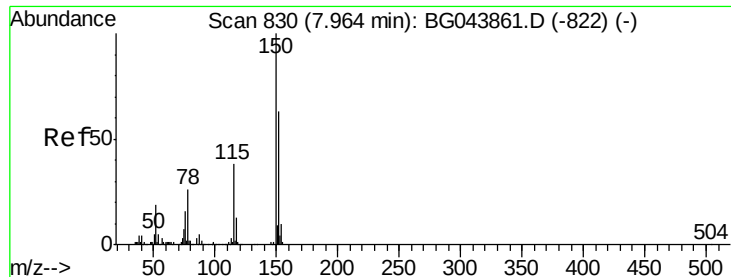
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M

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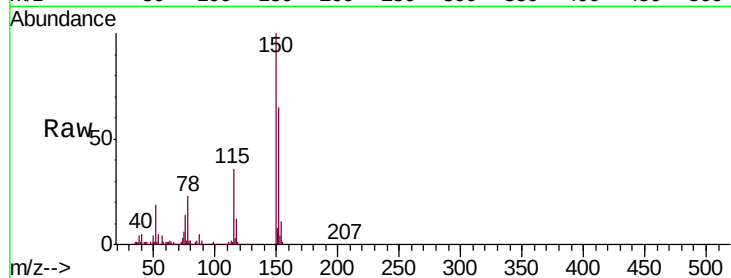


#1

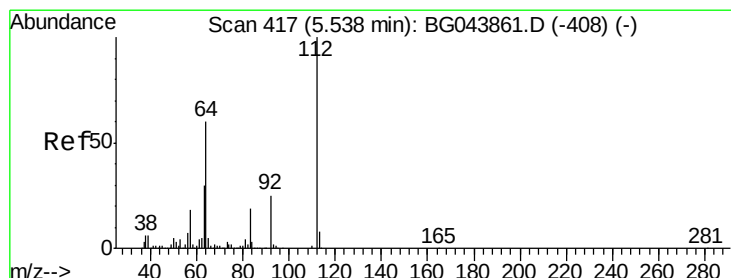
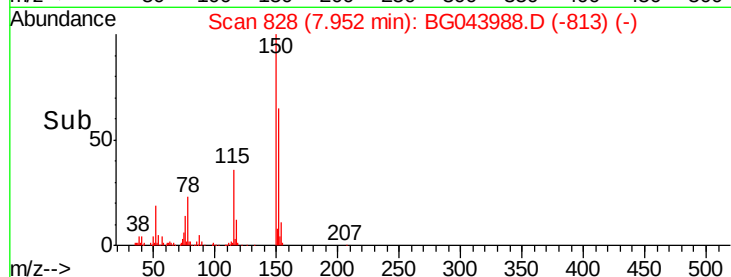
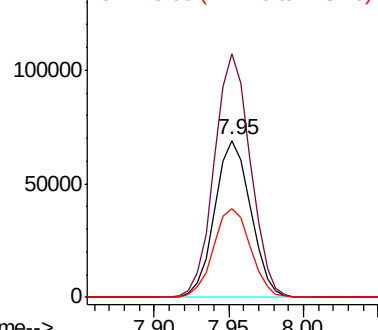
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG043988.D
Acq: 9 Jan 2020 5:50

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:152 Resp: 115412
Ion Ratio Lower Upper
152 100
150 154.9 127.0 190.4
115 56.1 47.8 71.8



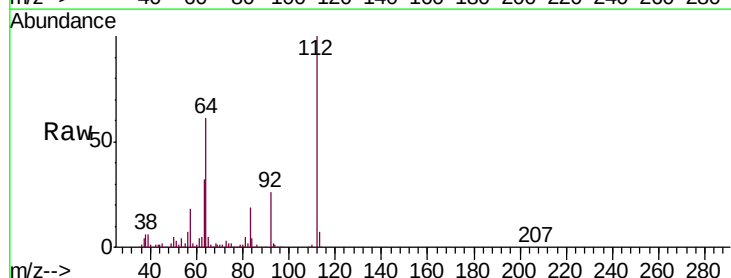
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



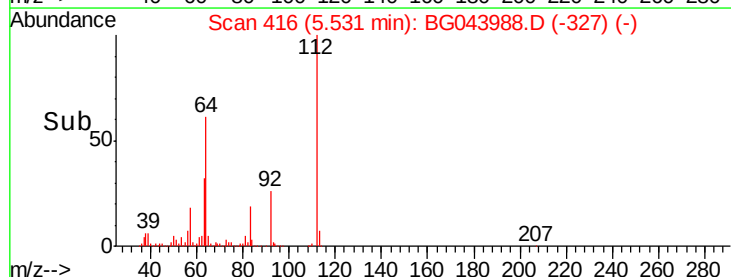
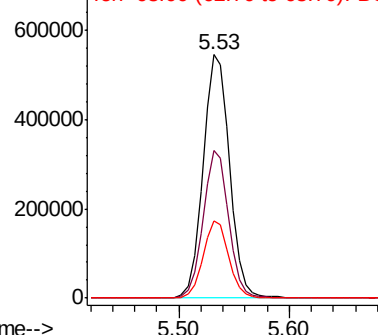
#5

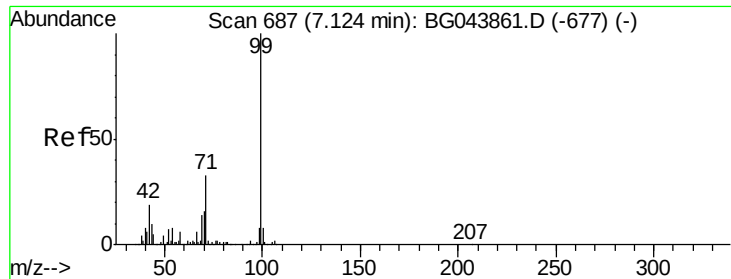
2-Fluorophenol
Concen: 145.710 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG043988.D
Acq: 9 Jan 2020 5:50

Tgt Ion:112 Resp: 915884
Ion Ratio Lower Upper
112 100
64 60.8 47.8 71.6
63 31.5 24.3 36.5



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: 139.134 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG043988.D

Acq: 9 Jan 2020 5:50

Instrument :

BNA_G

ClientSampleId :

DFTPP

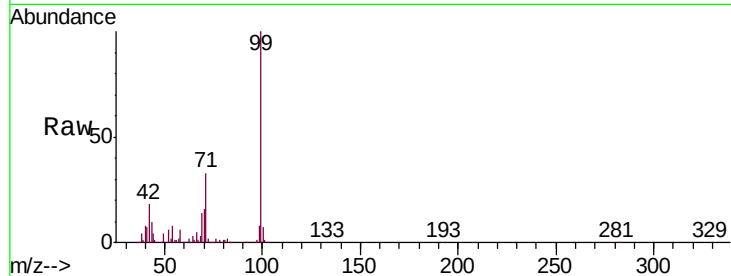
Tgt Ion: 99 Resp: 1222456

Ion Ratio Lower Upper

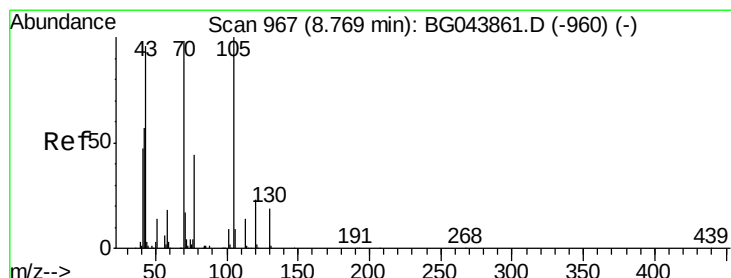
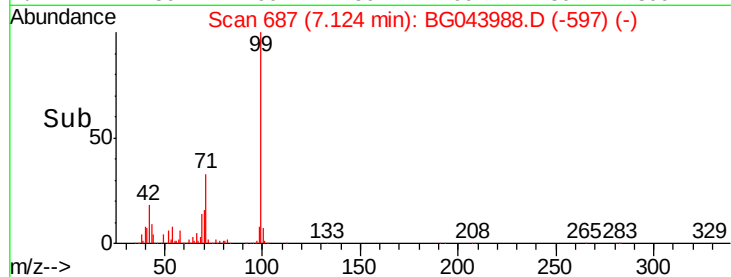
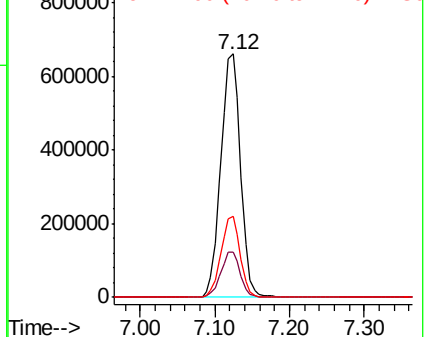
99 100

42 18.5 14.9 22.3

71 33.3 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: 15.164 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.34 min

Lab File: BG043988.D

Acq: 9 Jan 2020 5:50

Tgt Ion: 70 Resp: 99221

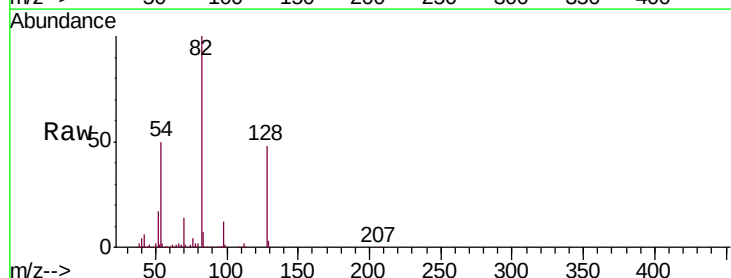
Ion Ratio Lower Upper

70 100

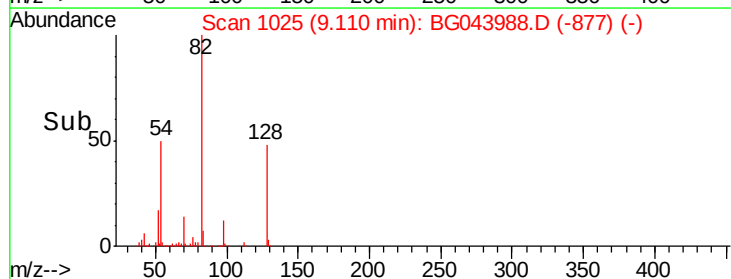
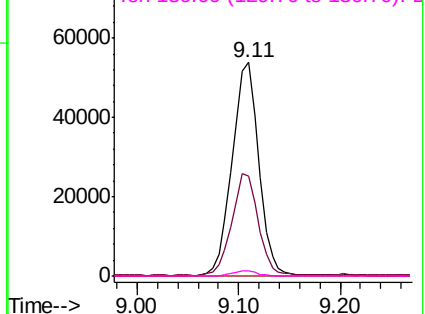
42 46.9 47.0 70.4#

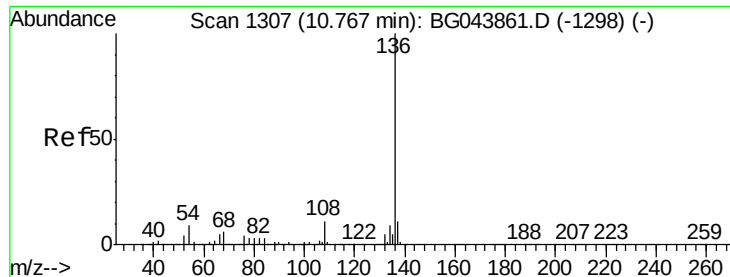
101 0.0 7.2 10.8#

130 2.2 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

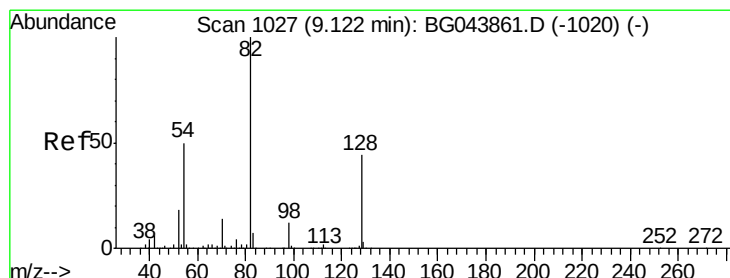
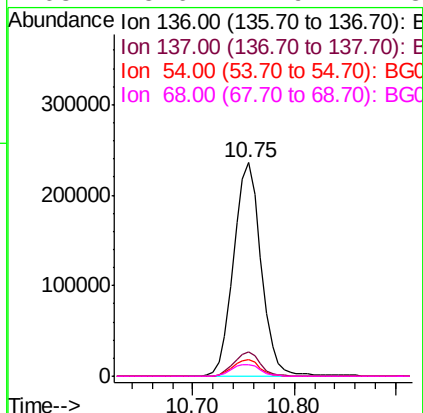
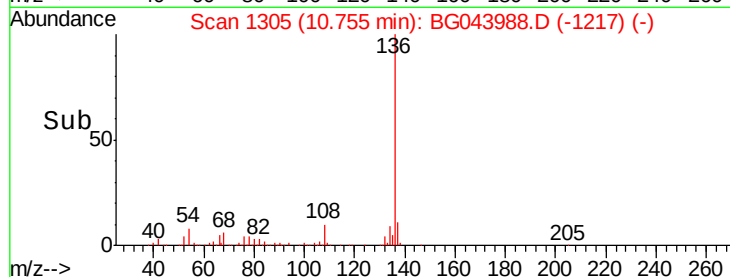
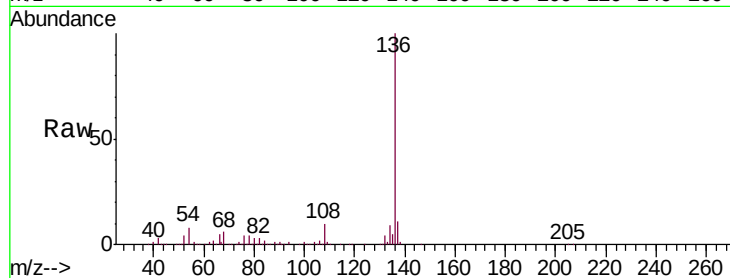




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG043988.D
Acq: 9 Jan 2020 5:50

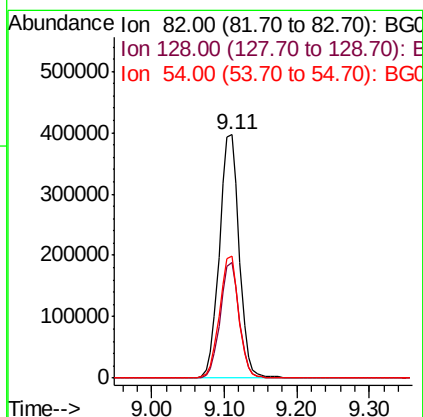
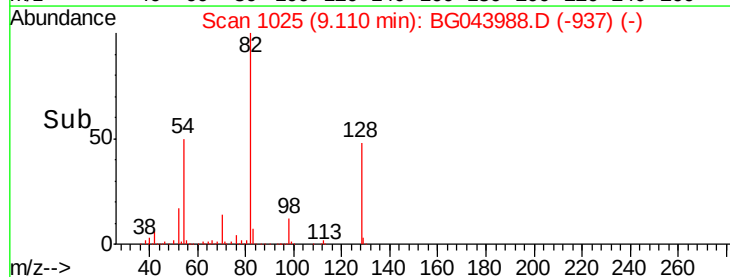
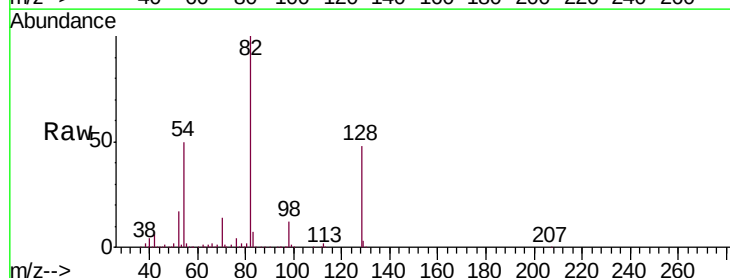
Instrument :
BNA_G
ClientSampleId :
DFTPP

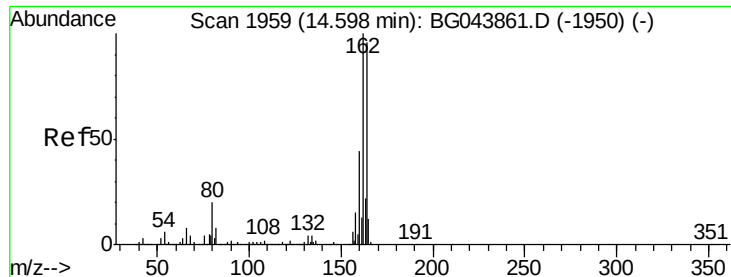
Tgt Ion:	136	Resp:	444298
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.1	7.0	10.4
68	5.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 90.895 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG043988.D
Acq: 9 Jan 2020 5:50

Tgt Ion:	82	Resp:	754912
Ion	Ratio	Lower	Upper
82	100		
128	47.6	35.1	52.7
54	50.1	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG043988.D

Acq: 9 Jan 2020 5:50

Instrument :

BNA_G

ClientSampleId :

DFTPP

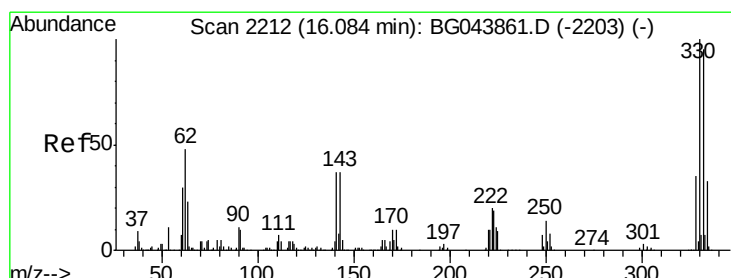
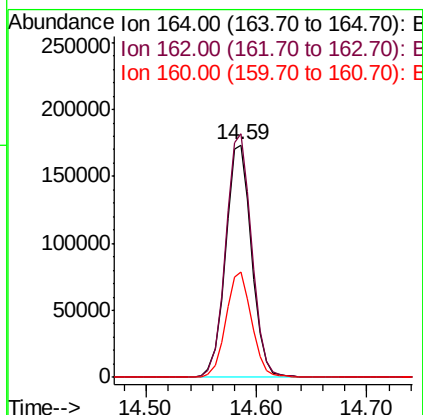
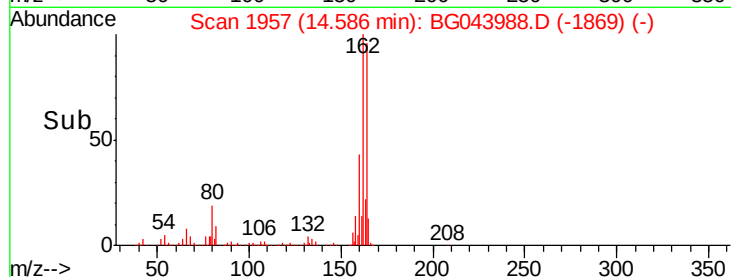
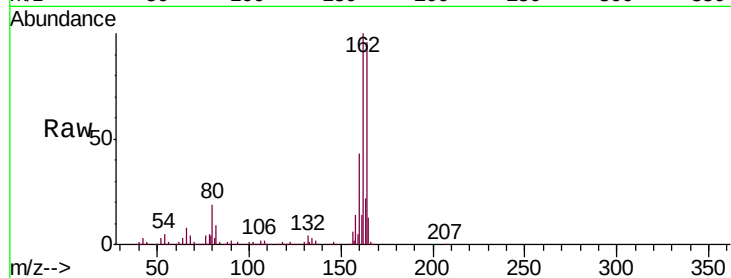
Tgt Ion:164 Resp: 286068

Ion Ratio Lower Upper

164 100

162 104.7 83.0 124.4

160 45.5 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 159.549 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG043988.D

Acq: 9 Jan 2020 5:50

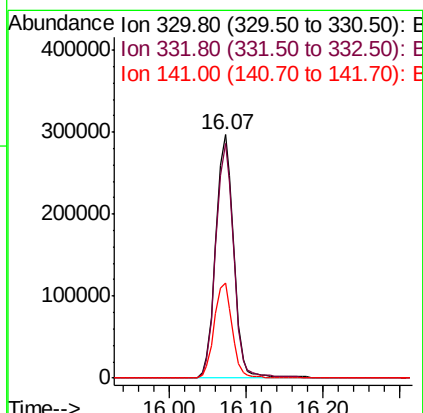
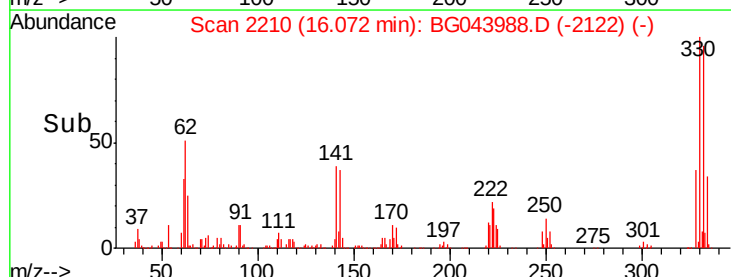
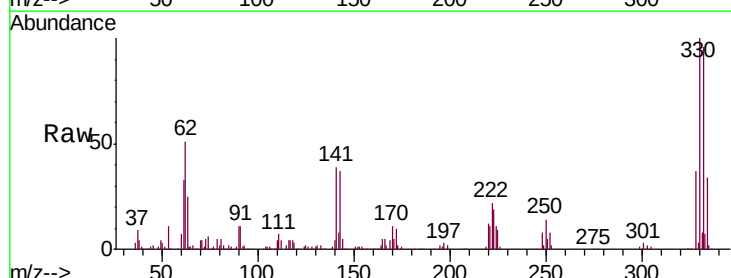
Tgt Ion:330 Resp: 477634

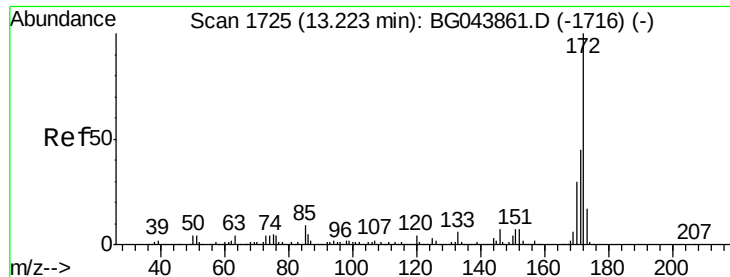
Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

141 39.2 33.1 49.7

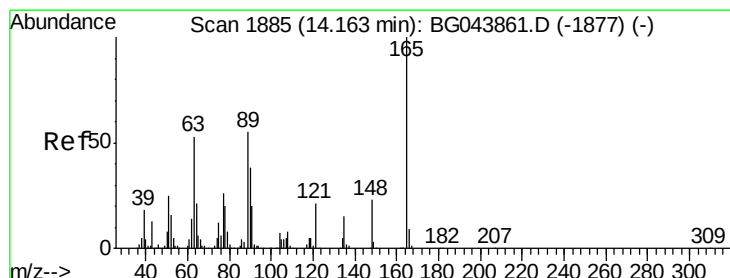
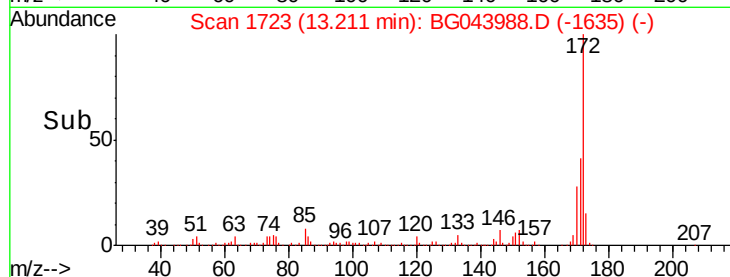
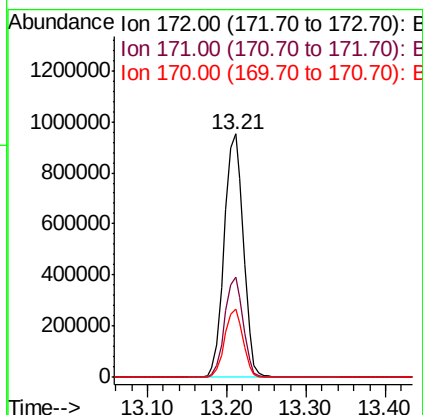
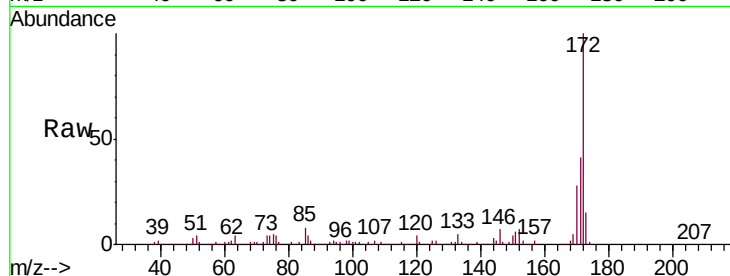




#45
 2-Fluorobiphenyl
 Concen: 101.022 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG043988.D
 Acq: 9 Jan 2020 5:50

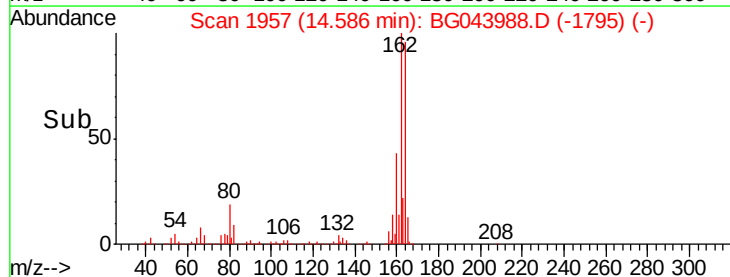
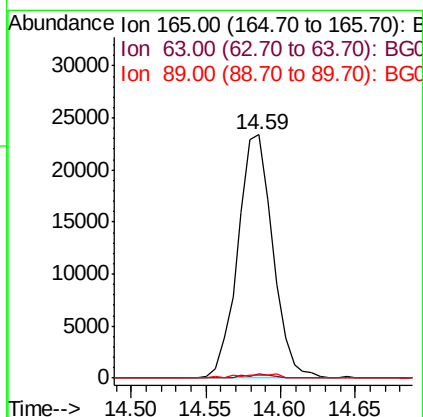
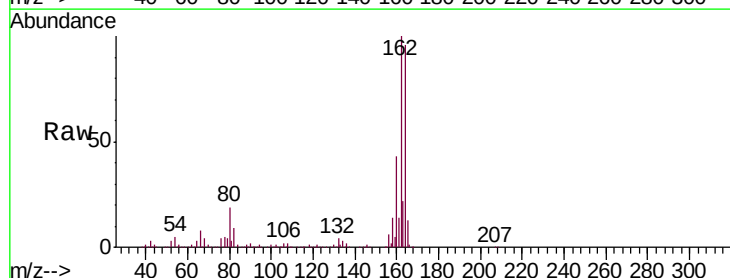
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

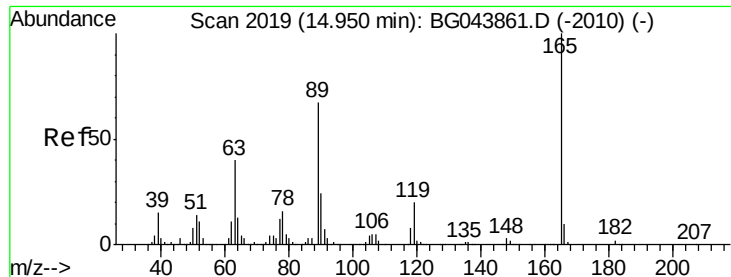
Tgt Ion:172 Resp: 1595078
 Ion Ratio Lower Upper
 172 100
 171 41.4 35.8 53.8
 170 28.3 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.264 ng
 RT: 14.59 min Scan# 1957
 Delta R.T. 0.42 min
 Lab File: BG043988.D
 Acq: 9 Jan 2020 5:50

Tgt Ion:165 Resp: 37942
 Ion Ratio Lower Upper
 165 100
 63 1.8 43.1 64.7#
 89 1.1 43.8 65.6#

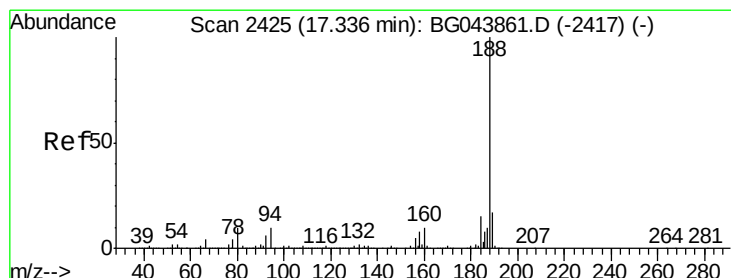
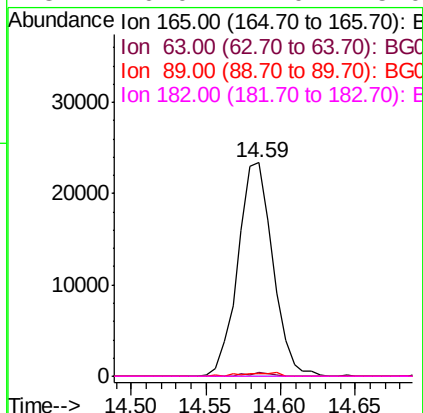
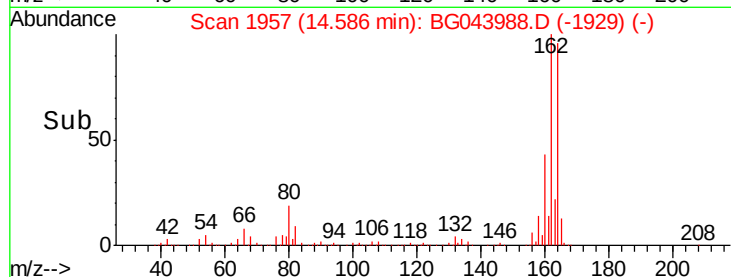
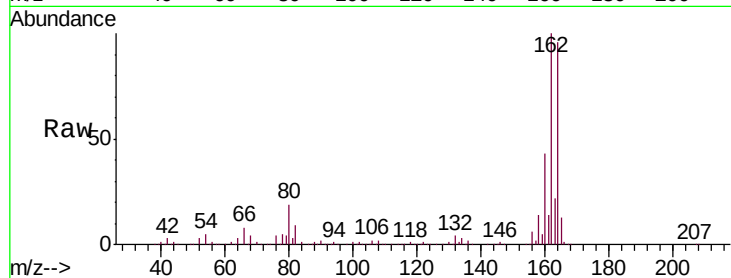




#57
2,4-Dinitrotoluene
Concen: 6.074 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.36 min
Lab File: BG043988.D
Acq: 9 Jan 2020 5:50

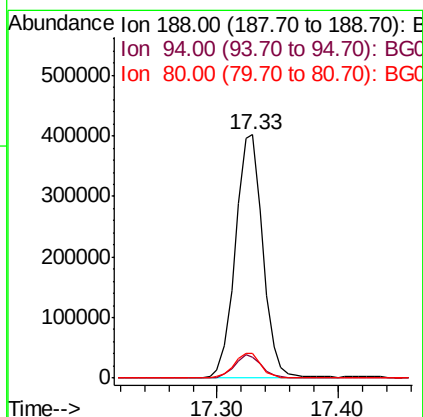
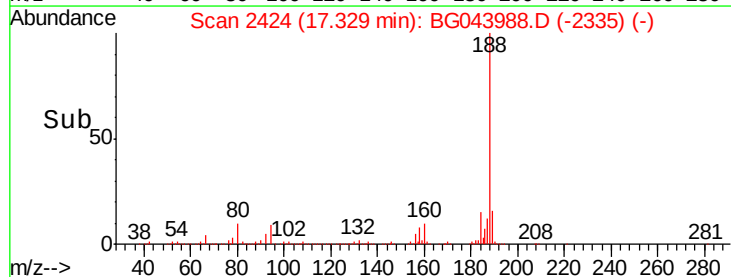
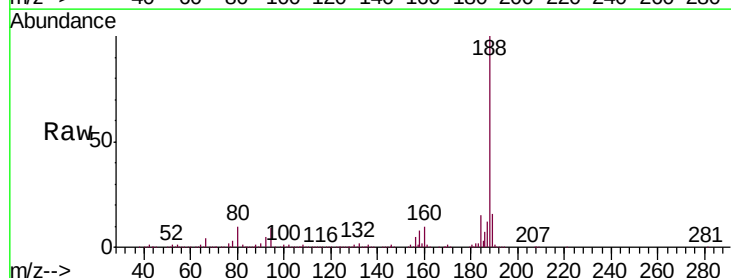
Instrument :
BNA_G
ClientSampleId :
DFTPP

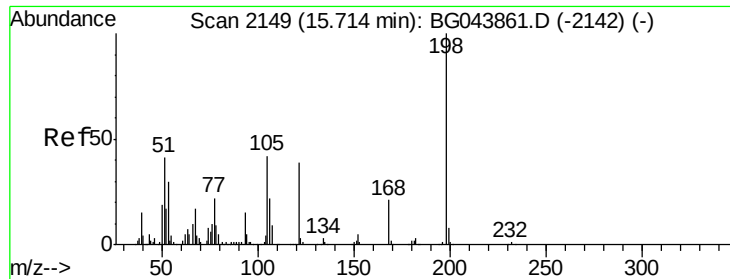
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	31.9	47.9#
89	1.1	53.8	80.6#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.33 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BG043988.D
Acq: 9 Jan 2020 5:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.9	11.9
80	10.0	8.2	12.4

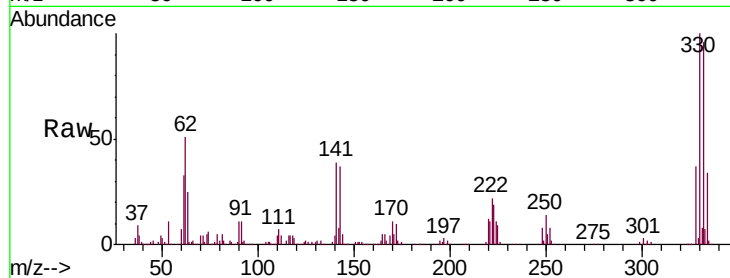




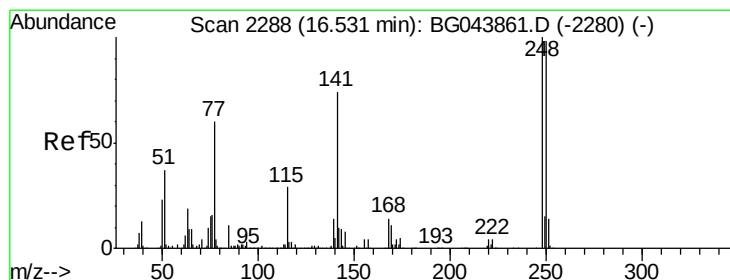
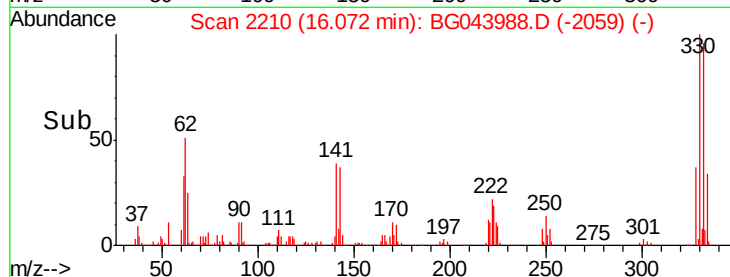
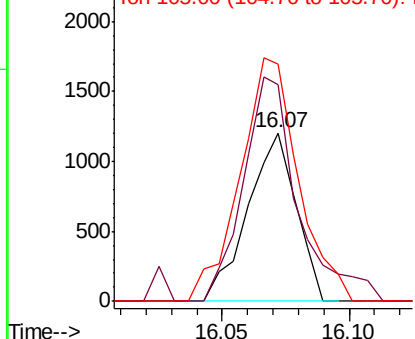
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.832 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. 0.36 min
 Lab File: BG043988.D
 Acq: 9 Jan 2020 5:50

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tgt Ion:198 Resp: 1601
 Ion Ratio Lower Upper
 198 100
 51 129.2 22.5 62.5#
 105 141.4 22.3 62.3#

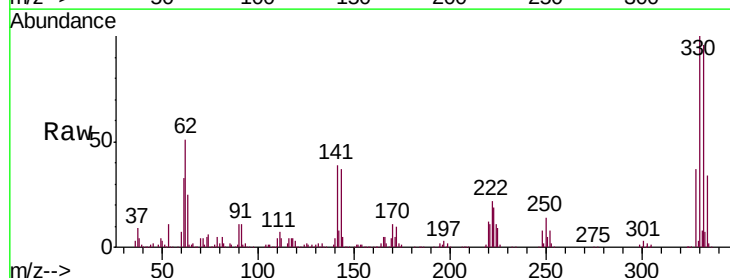


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

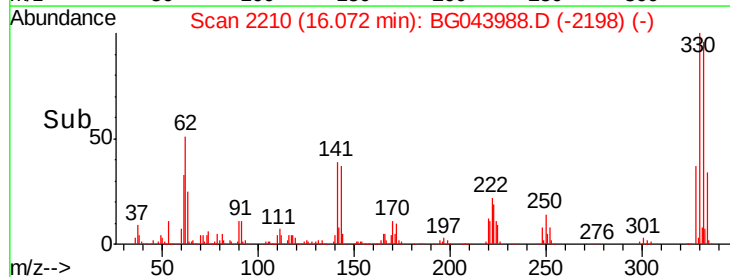
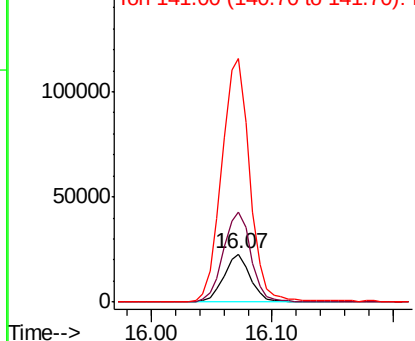


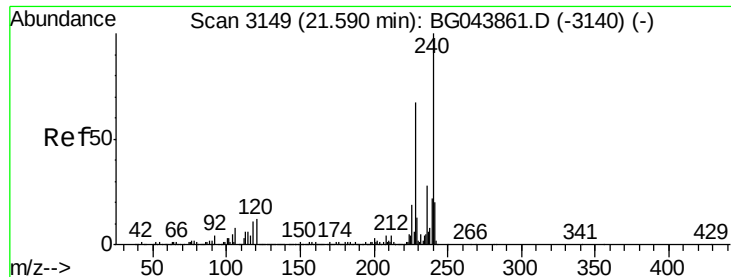
#67
 4-Bromophenyl-phenylether
 Concen: 4.892 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. -0.46 min
 Lab File: BG043988.D
 Acq: 9 Jan 2020 5:50

Tgt Ion:248 Resp: 35119
 Ion Ratio Lower Upper
 248 100
 250 185.3 78.2 117.2#
 141 504.5 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

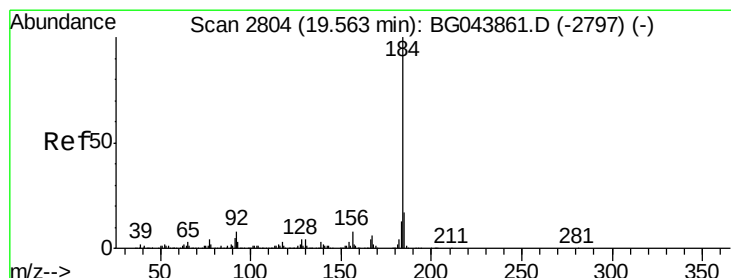
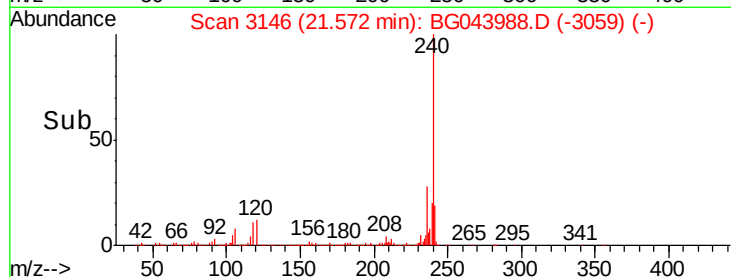
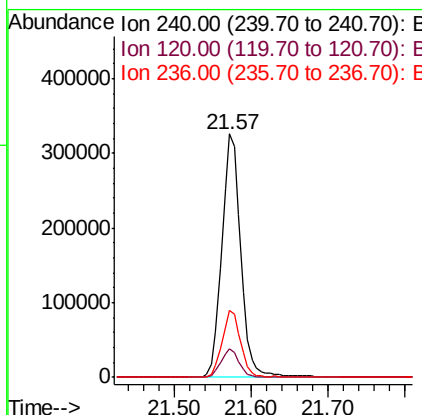
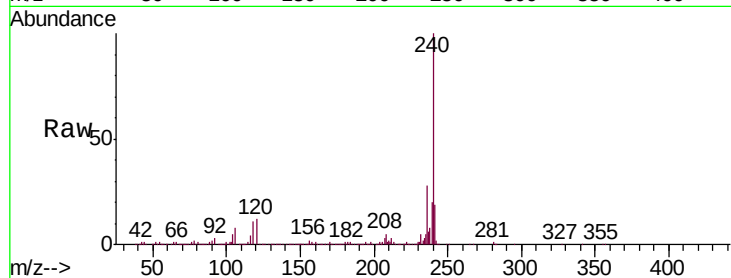




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG043988.D
Acq: 9 Jan 2020 5:50

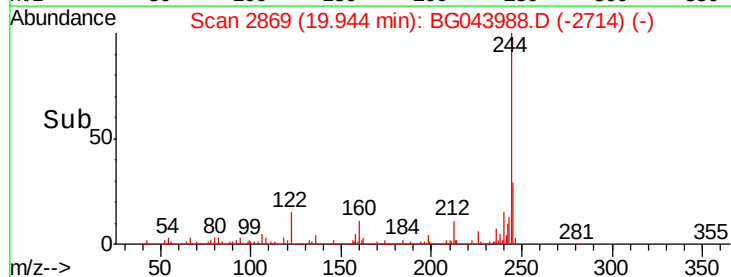
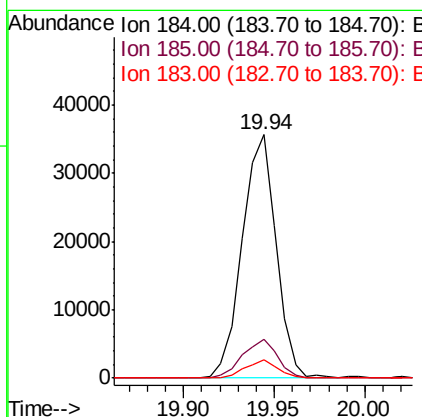
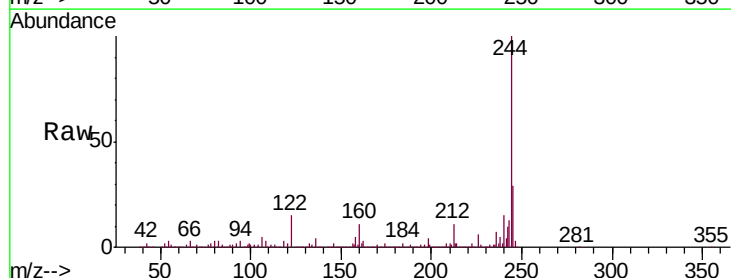
Instrument :
BNA_G
ClientSampleId :
DFTPP

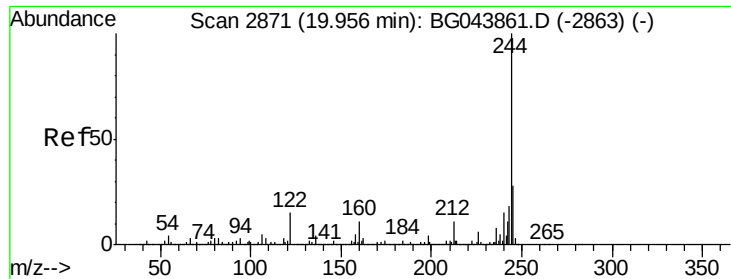
Tgt Ion:240 Resp: 557719
Ion Ratio Lower Upper
240 100
120 11.8 9.6 14.4
236 27.6 22.2 33.2



#77
Benzidine
Concen: 3.305 ng
RT: 19.94 min Scan# 2869
Delta R.T. 0.38 min
Lab File: BG043988.D
Acq: 9 Jan 2020 5:50

Tgt Ion:184 Resp: 46333
Ion Ratio Lower Upper
184 100
185 16.0 13.4 20.0
183 7.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 111.114 ng

RT: 19.94 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BG043988.D

Acq: 9 Jan 2020 5:50

Instrument :

BNA_G

ClientSampleId :

DFTPP

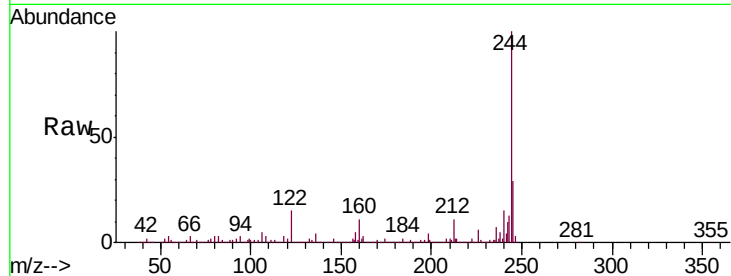
Tgt Ion:244 Resp: 2379830

Ion Ratio Lower Upper

244 100

212 10.8 8.6 13.0

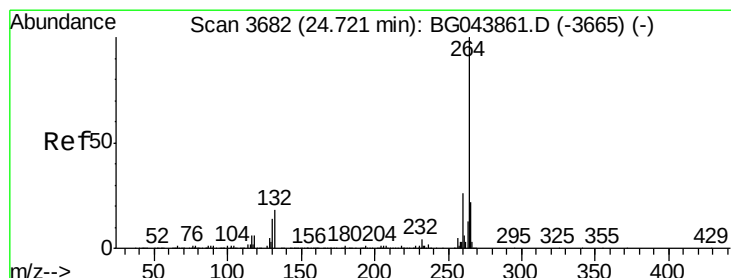
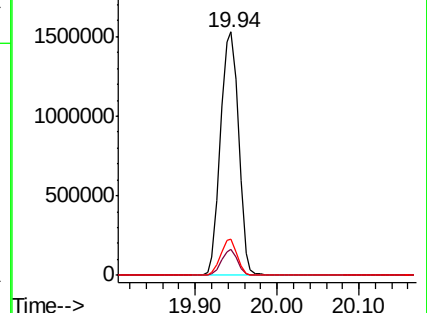
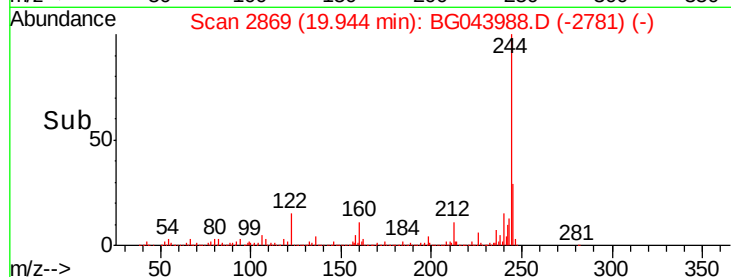
122 14.9 11.9 17.9



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: BG043988.D

Acq: 9 Jan 2020 5:50

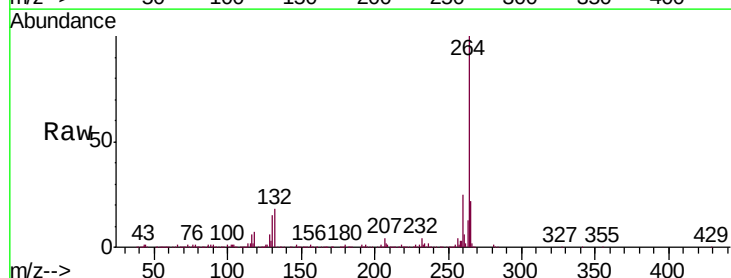
Tgt Ion:264 Resp: 608931

Ion Ratio Lower Upper

264 100

260 25.3 20.4 30.6

265 22.0 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

