

Data File : BG044186.D
Acq On : 24 Jan 2020 17:46
Operator : CG/JU
Sample : PB126325BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126325BL

Quant Time: Jan 25 05:37:03 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

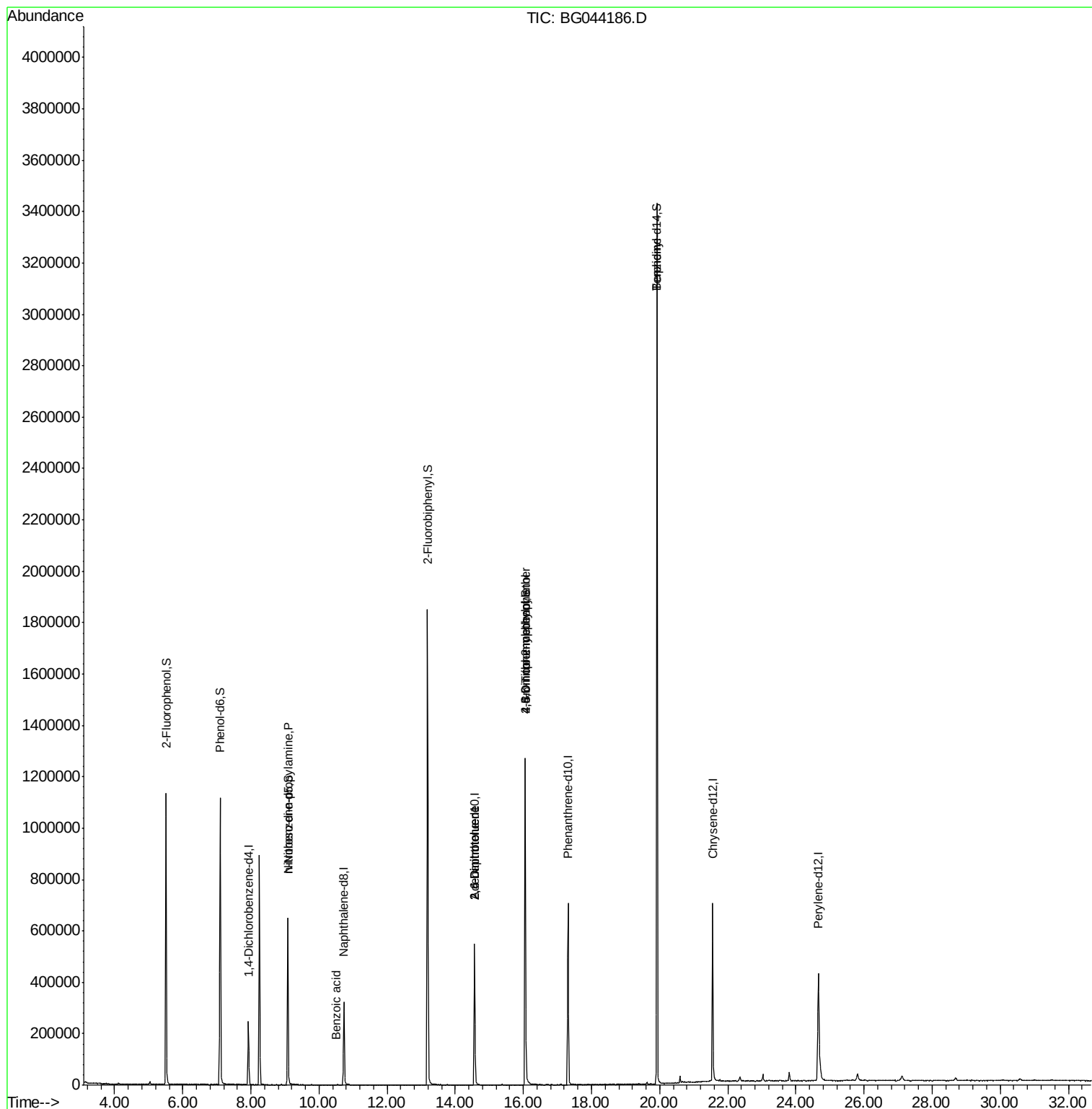
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	70722	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	313252	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	214675	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	475442	20.00	ng	-0.02
76) Chrysene-d12	21.55	240	417960	20.00	ng	-0.04
87) Perylene-d12	24.66	264	457275	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	546916	141.99	ng	-0.03
7) Phenol-d6	7.10	99	717847	133.33	ng	-0.02
23) Nitrobenzene-d5	9.08	82	428297	73.14	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	275126	122.47	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1036997	87.52	ng	-0.04
79) Terphenyl-d14	19.92	244	1617351	96.64	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	56597	14.116	ng	# 78
32) Benzoic acid	10.52	122	54	6.276	ng	# 1
51) 2,6-Dinitrotoluene	14.57	165	28069	8.147	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	28069	5.988	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.05	198	874	4.714	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	18764	3.509	ng	# 1
77) Benzidine	19.92	184	27359	2.604	ng	# 89

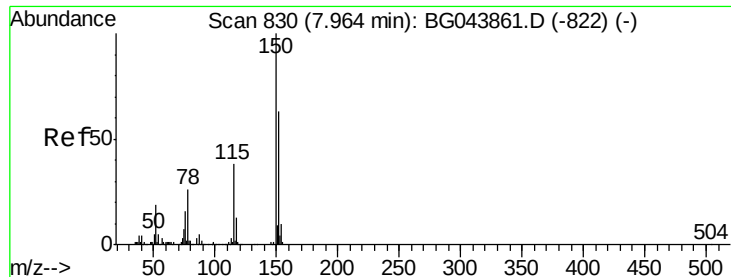
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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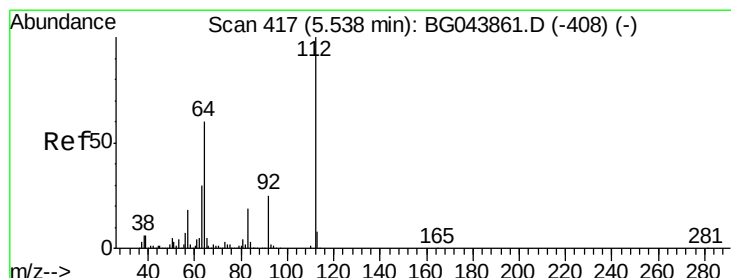
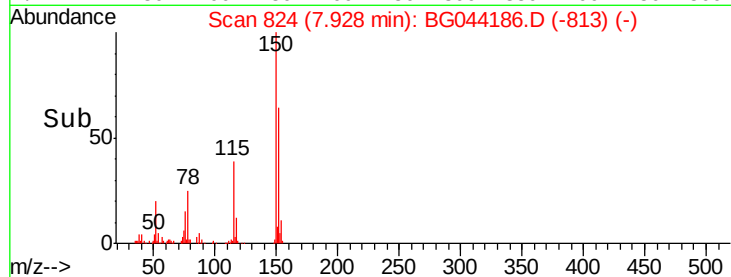
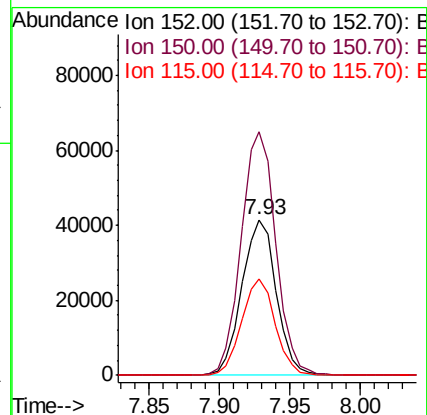
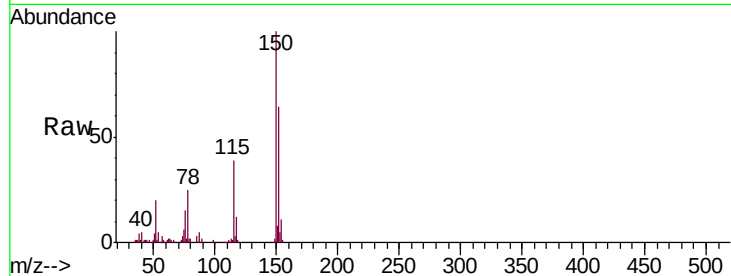


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044186.D
Acq: 24 Jan 2020 17:46

Instrument :
BNA_G
ClientSampleId :
PB126325BL

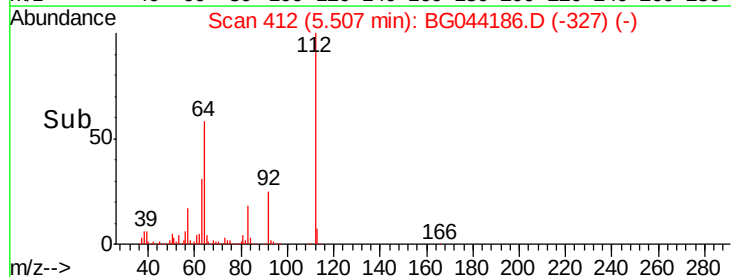
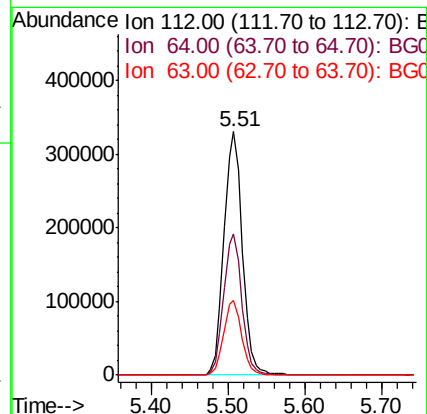
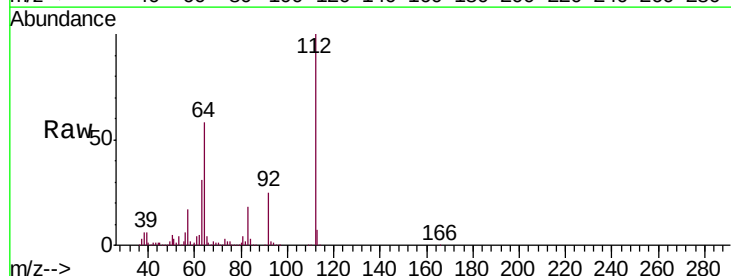
Tgt Ion:152 Resp: 70722
Ion Ratio Lower Upper
152 100
150 156.8 127.0 190.4
115 61.9 47.8 71.8

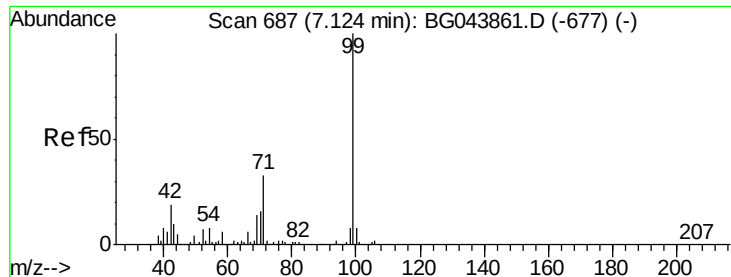


#5

2-Fluorophenol
Concen: 141.993 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044186.D
Acq: 24 Jan 2020 17:46

Tgt Ion:112 Resp: 546916
Ion Ratio Lower Upper
112 100
64 58.1 47.8 71.6
63 30.7 24.3 36.5





#7

Phenol-d6

Concen: 133.330 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044186.D

Acq: 24 Jan 2020 17:46

Instrument :

BNA_G

ClientSampled :

PB126325BL

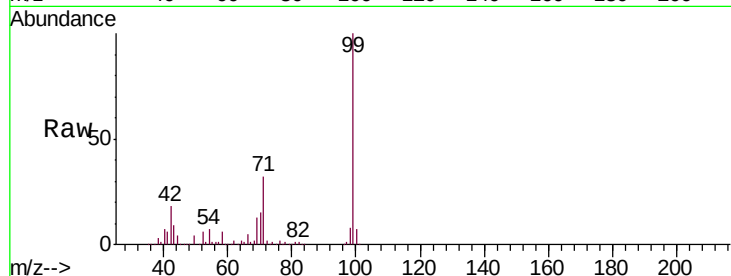
Tgt Ion: 99 Resp: 717847

Ion Ratio Lower Upper

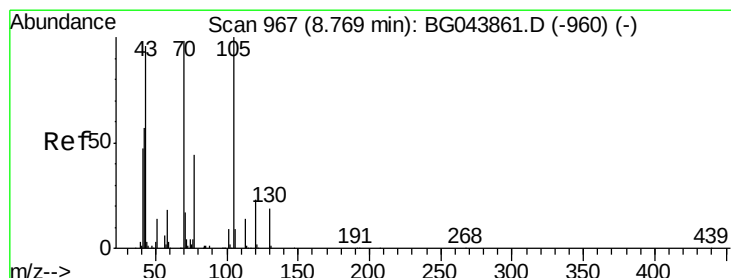
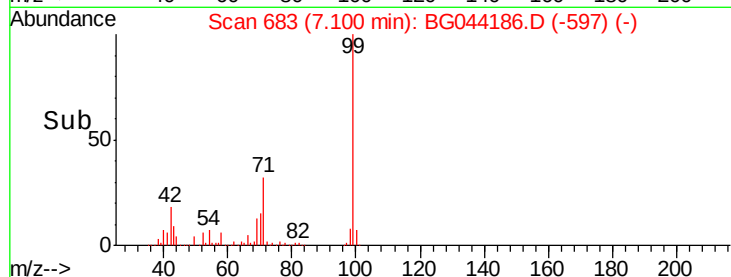
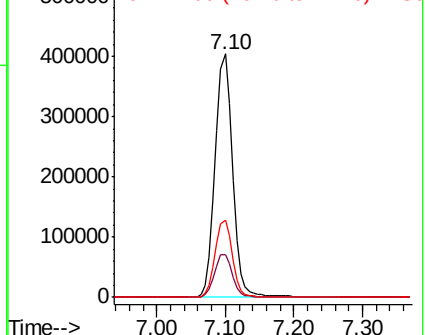
99 100

42 17.7 14.9 22.3

71 31.5 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: 14.116 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044186.D

Acq: 24 Jan 2020 17:46

Tgt Ion: 70 Resp: 56597

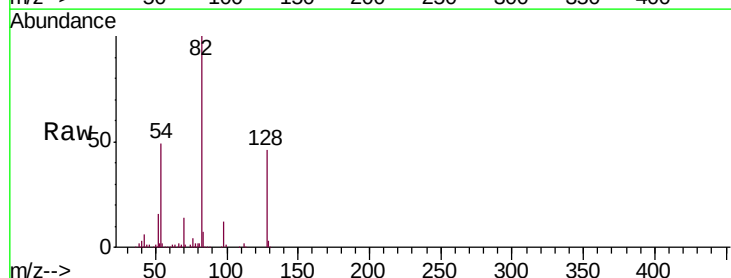
Ion Ratio Lower Upper

70 100

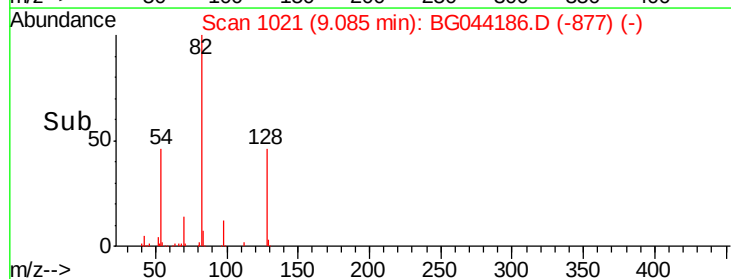
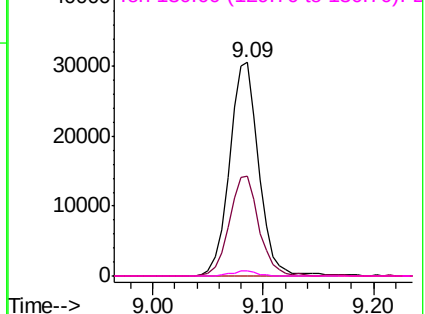
42 46.9 47.0 70.4#

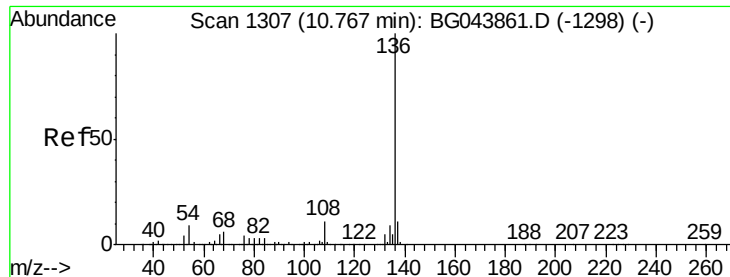
101 0.0 7.2 10.8#

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

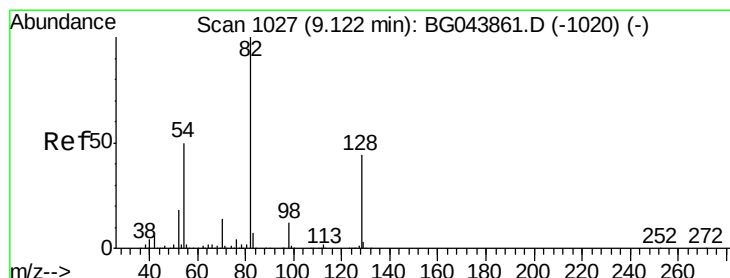
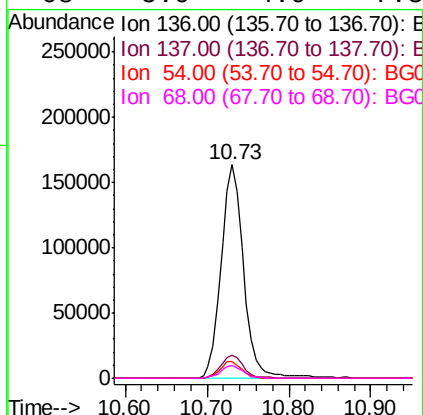
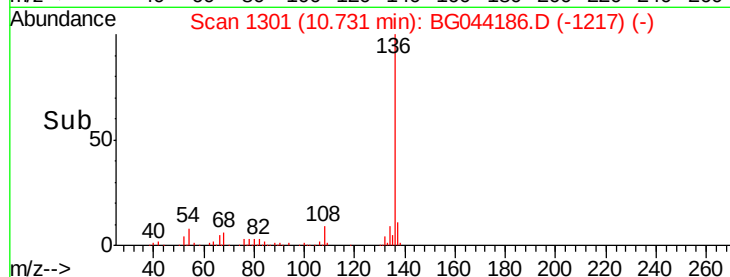
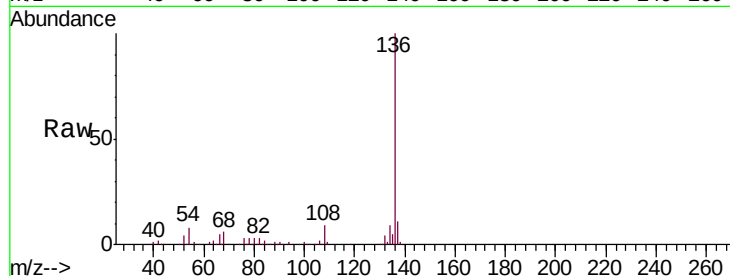




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044186.D
Acq: 24 Jan 2020 17:46

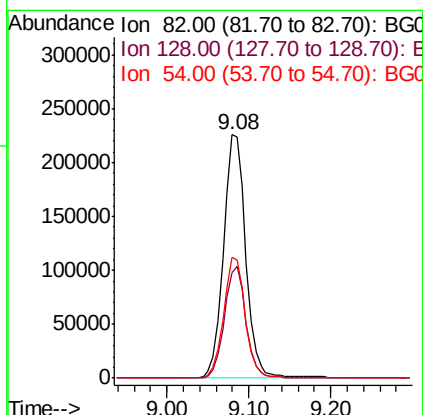
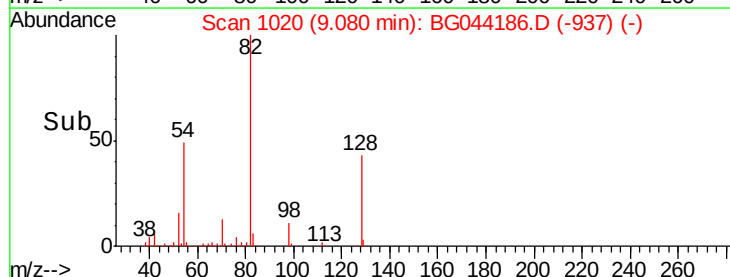
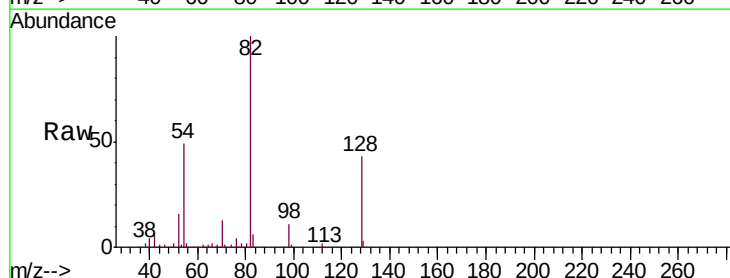
Instrument :
BNA_G
ClientSampleId :
PB126325BL

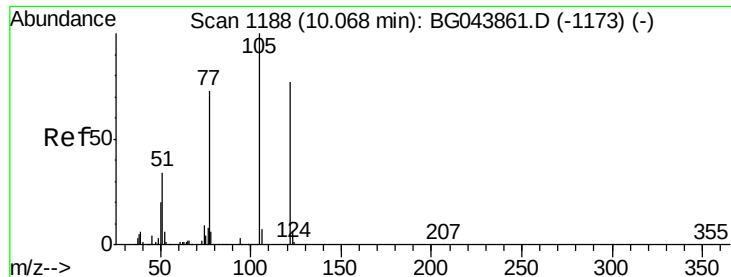
Tgt Ion:	136	Resp:	313252
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.9	7.0	10.4
68	5.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 73.143 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BG044186.D
Acq: 24 Jan 2020 17:46

Tgt Ion:	82	Resp:	428297
Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.1	52.7
54	49.5	40.1	60.1

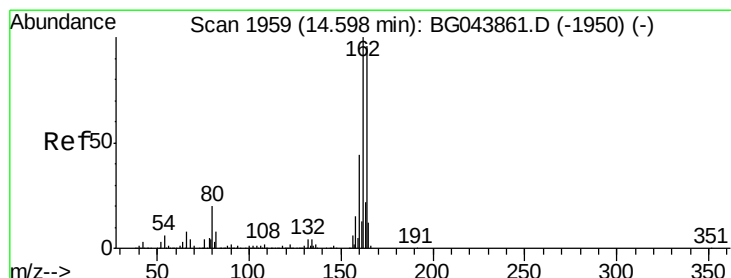
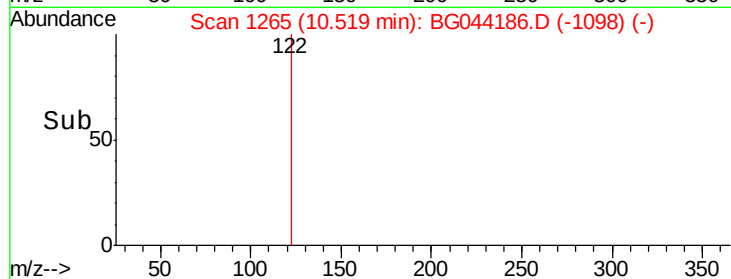
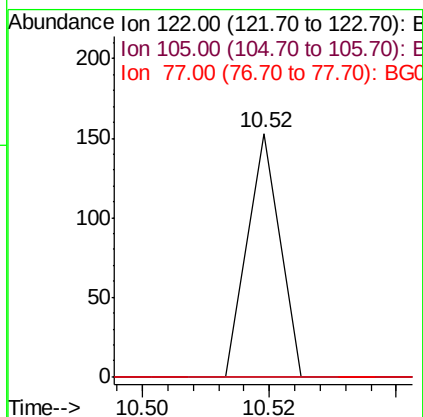
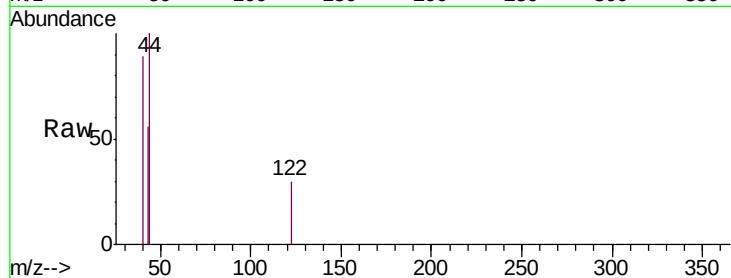




#32
Benzoic acid
Concen: 6.276 ng
RT: 10.52 min Scan# 1265
Delta R.T. 0.45 min
Lab File: BG044186.D
Acq: 24 Jan 2020 17:46

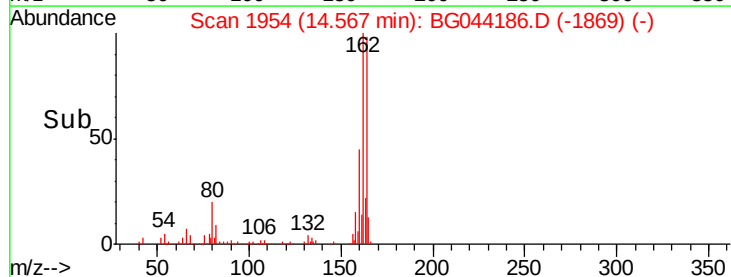
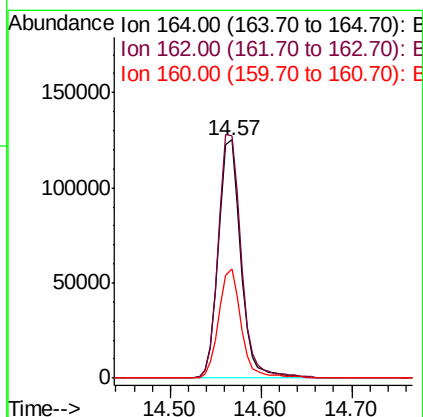
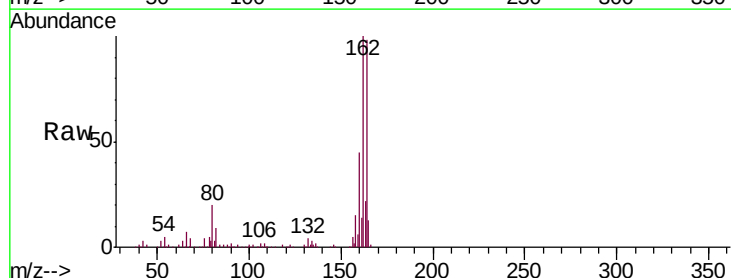
Instrument :
BNA_G
ClientSampleId :
PB126325BL

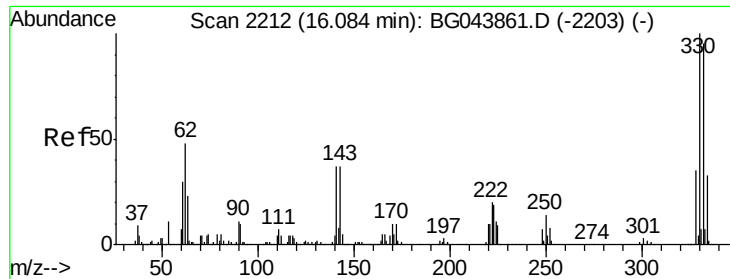
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	0.0	74.6	114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.03 min
Lab File: BG044186.D
Acq: 24 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.0	124.4
160	45.7	36.1	54.1

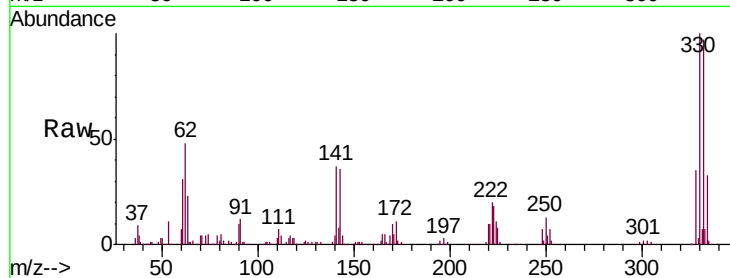




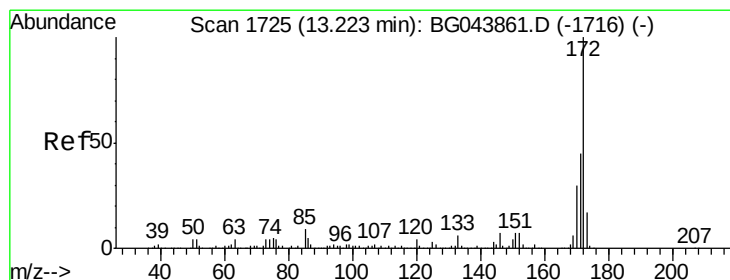
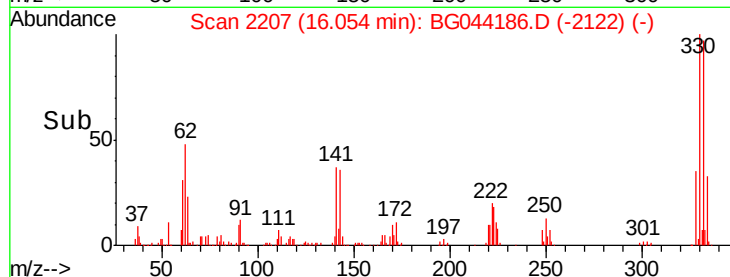
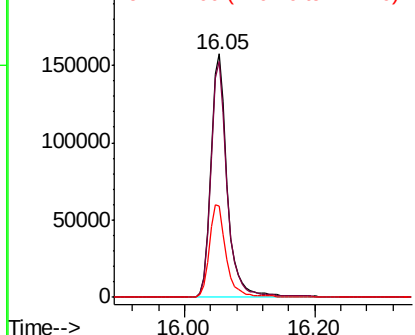
#42
 2,4,6-Tribromophenol
 Concen: 122.467 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044186.D
 Acq: 24 Jan 2020 17:46

Instrument :
 BNA_G
 ClientSampleId :
 PB126325BL

Tgt Ion:330 Resp: 275126
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.2 115.8
 141 38.7 33.1 49.7

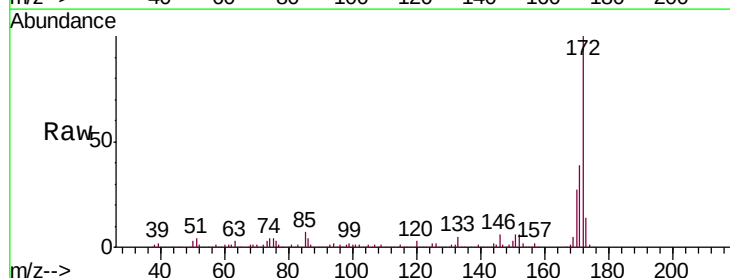


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

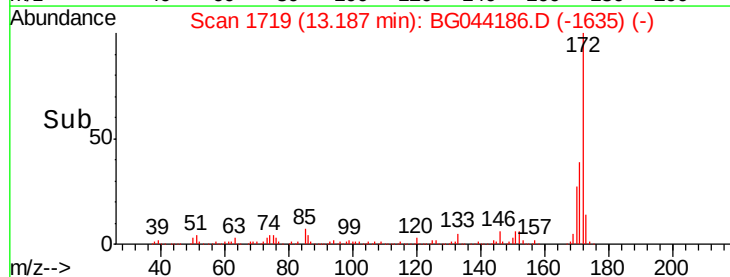
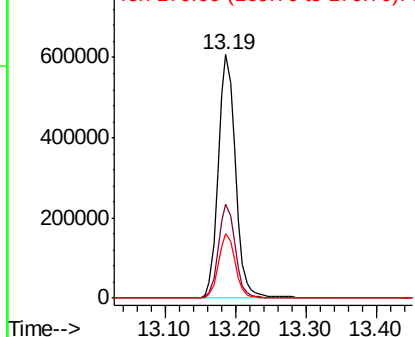


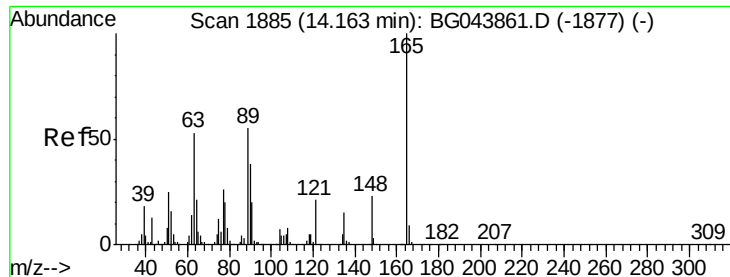
#45
 2-Fluorobiphenyl
 Concen: 87.518 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.04 min
 Lab File: BG044186.D
 Acq: 24 Jan 2020 17:46

Tgt Ion:172 Resp: 1036997
 Ion Ratio Lower Upper
 172 100
 171 38.7 35.8 53.8
 170 26.5 24.2 36.4



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

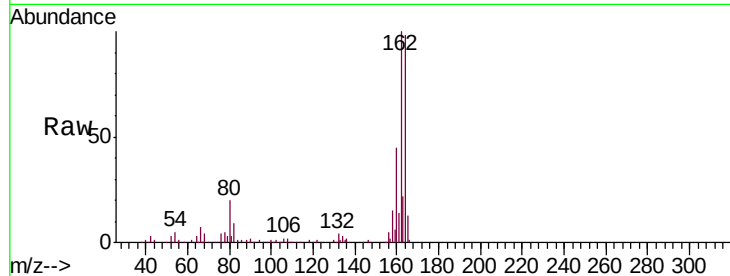




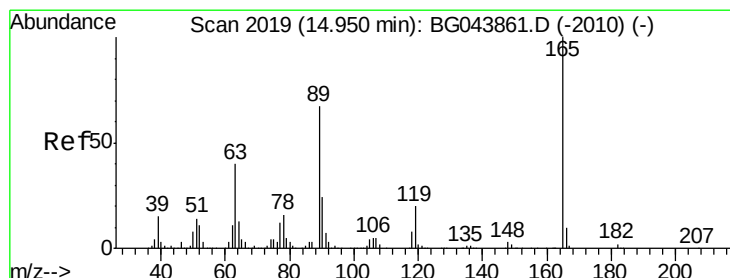
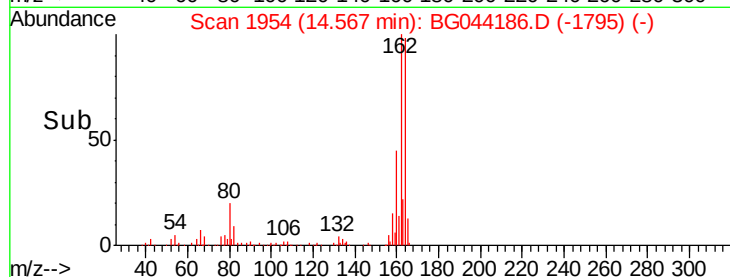
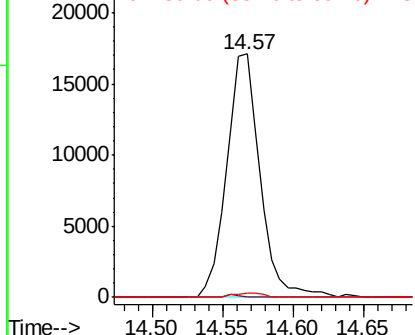
#51
 2,6-Dinitrotoluene
 Concen: 8.147 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.40 min
 Lab File: BG044186.D
 Acq: 24 Jan 2020 17:46

Instrument :
 BNA_G
 ClientSampleId :
 PB126325BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.1	64.7#
89	1.8	43.8	65.6#

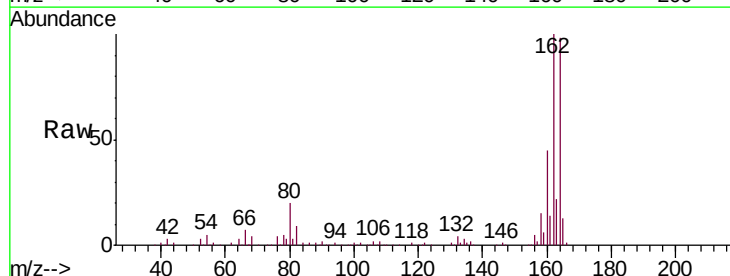


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

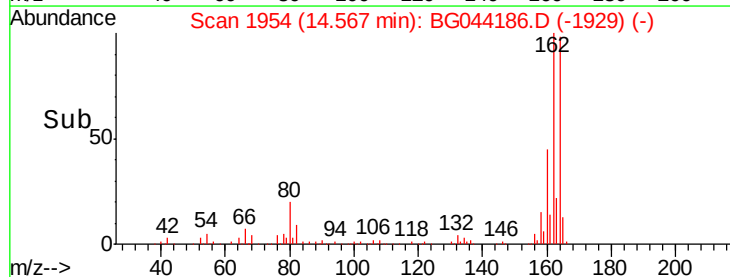
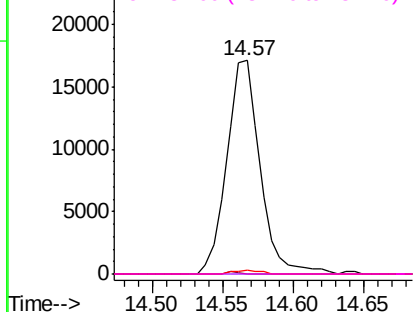


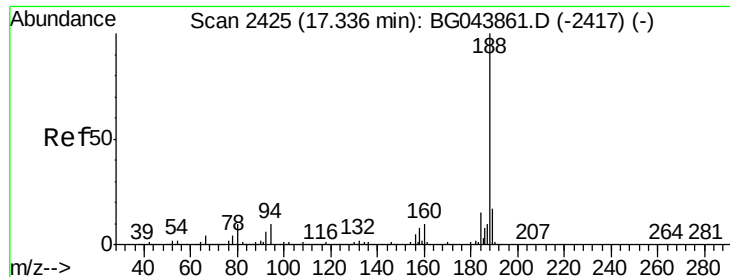
#57
 2,4-Dinitrotoluene
 Concen: 5.988 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG044186.D
 Acq: 24 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.9	47.9#
89	1.8	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: 17.31 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG044186.D

Acq: 24 Jan 2020 17:46

Instrument :

BNA_G

ClientSampleId :

PB126325BL

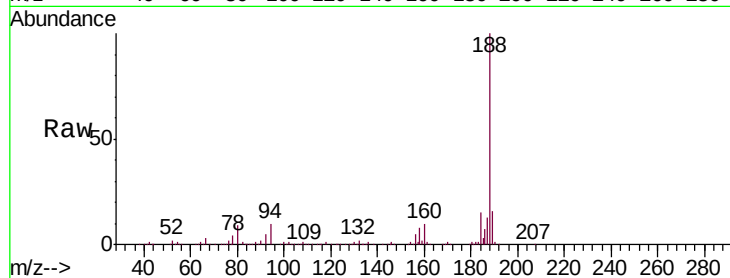
Tgt Ion:188 Resp: 475442

Ion Ratio Lower Upper

188 100

94 9.8 7.9 11.9

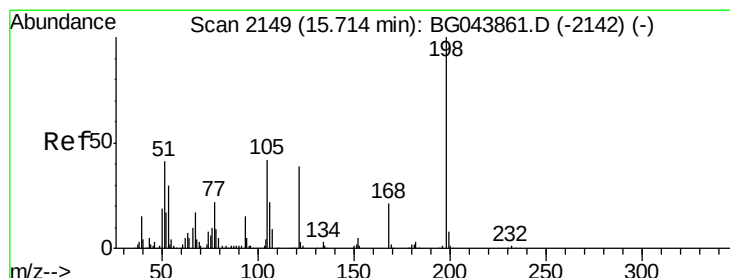
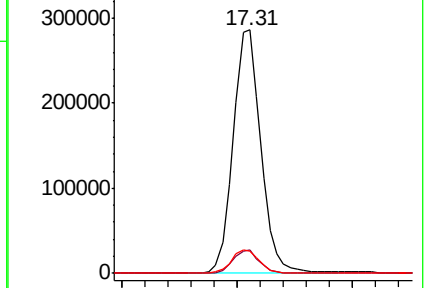
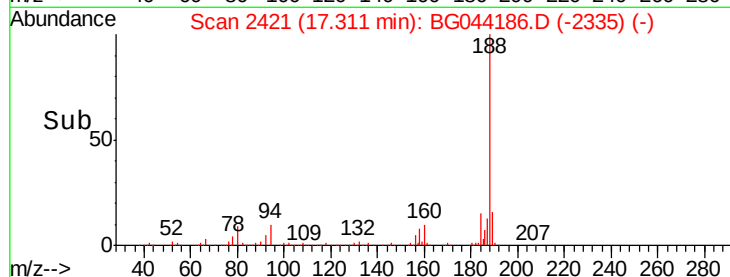
80 9.3 8.2 12.4



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: 4.714 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044186.D

Acq: 24 Jan 2020 17:46

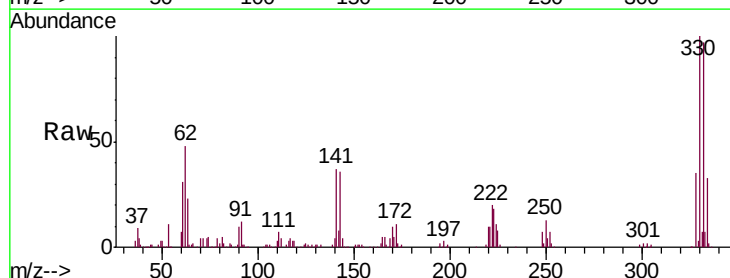
Tgt Ion:198 Resp: 874

Ion Ratio Lower Upper

198 100

51 100.6 22.5 62.5#

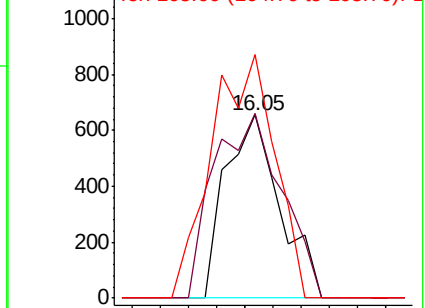
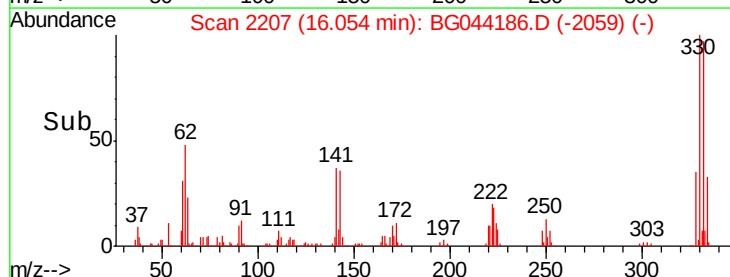
105 132.8 22.3 62.3#

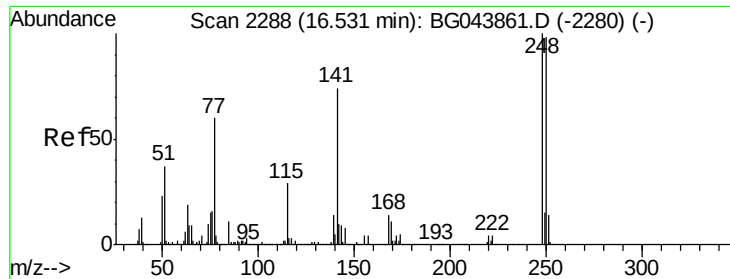


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

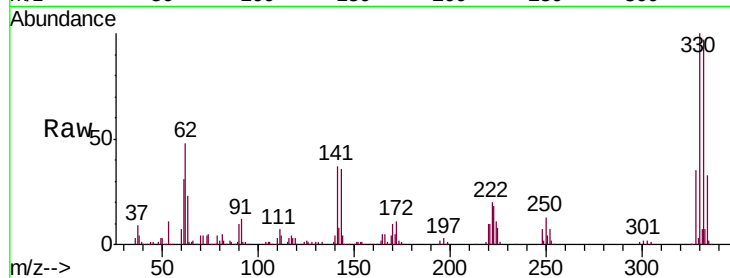




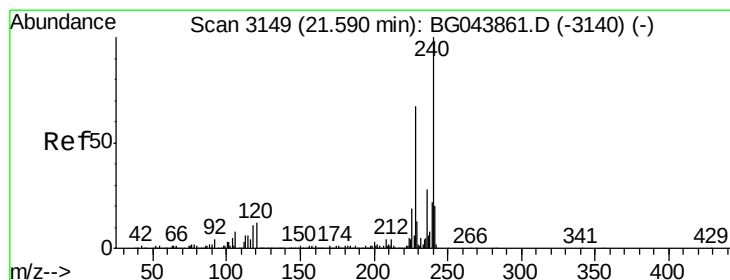
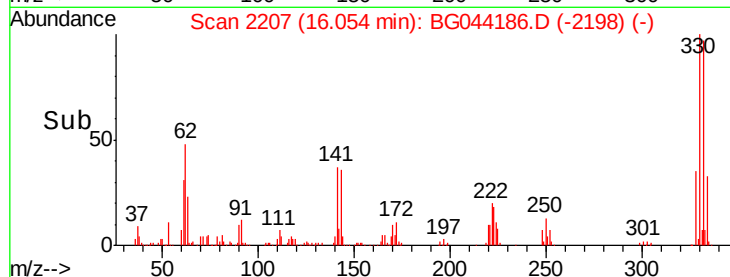
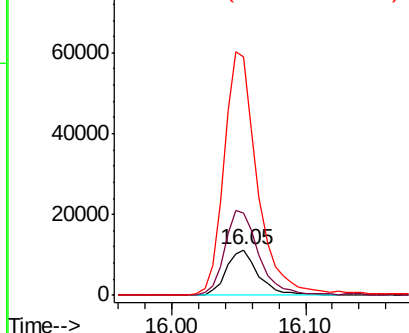
#67
 4-Bromophenyl-phenylether
 Concen: 3.509 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044186.D
 Acq: 24 Jan 2020 17:46

Instrument :
 BNA_G
 ClientSampleId :
 PB126325BL

Tgt Ion:248 Resp: 18764
 Ion Ratio Lower Upper
 248 100
 250 180.6 78.2 117.2#
 141 525.8 59.3 88.9#

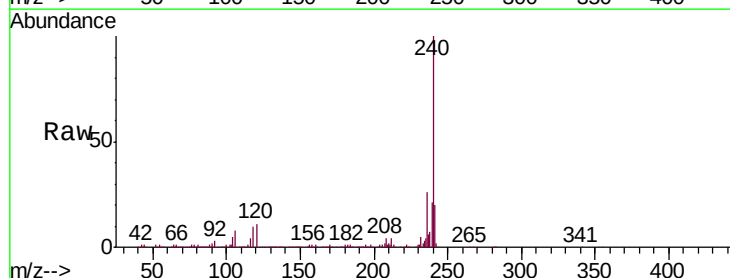


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

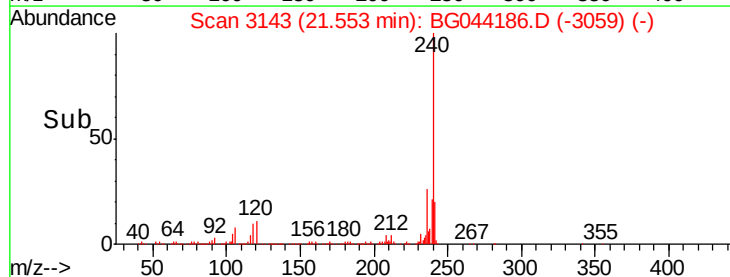
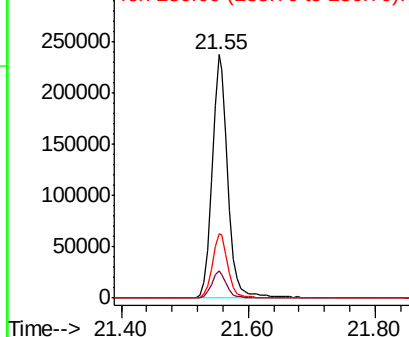


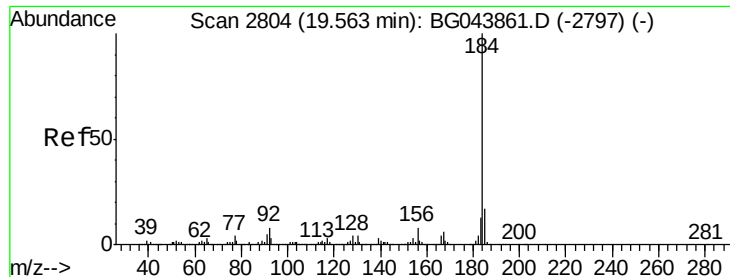
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3143
 Delta R.T. -0.04 min
 Lab File: BG044186.D
 Acq: 24 Jan 2020 17:46

Tgt Ion:240 Resp: 417960
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.6 14.4
 236 26.5 22.2 33.2



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: 2.604 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044186.D

Acq: 24 Jan 2020 17:46

Instrument :

BNA_G

ClientSampleId :

PB126325BL

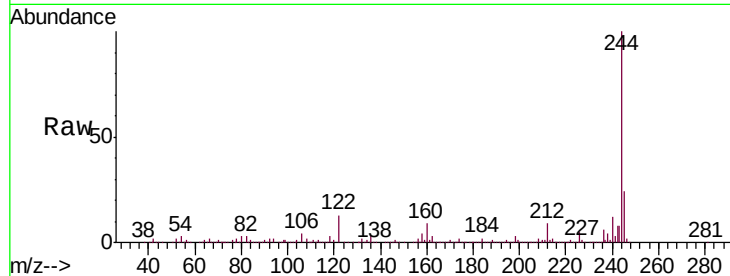
Tgt Ion:184 Resp: 27359

Ion Ratio Lower Upper

184 100

185 14.8 13.4 20.0

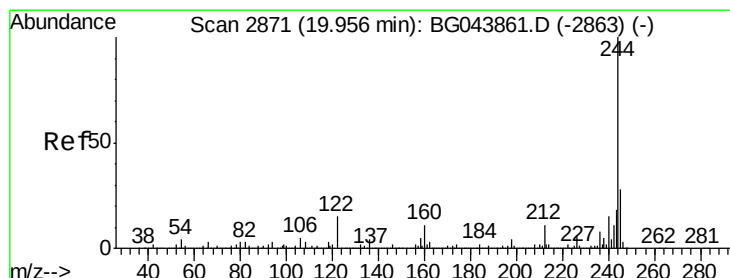
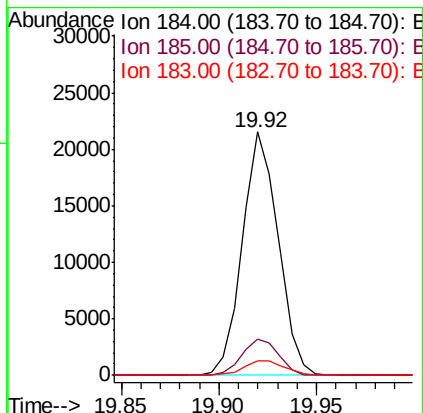
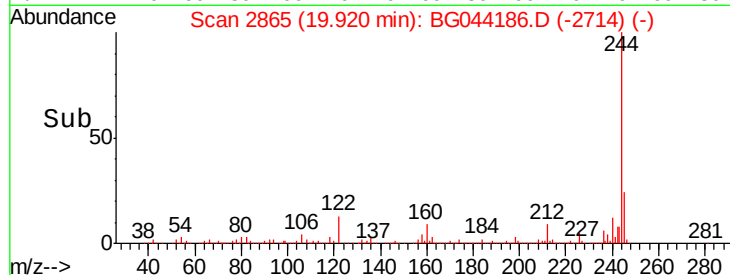
183 5.8 10.6 15.8#



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: 96.642 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.04 min

Lab File: BG044186.D

Acq: 24 Jan 2020 17:46

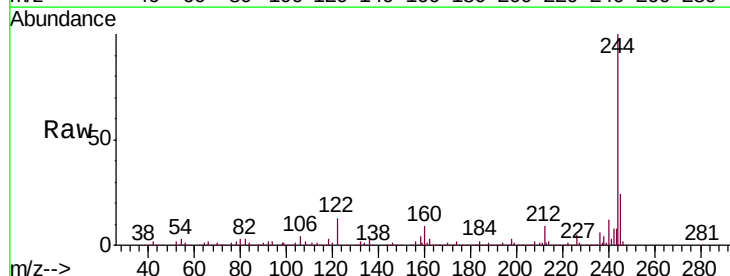
Tgt Ion:244 Resp: 1617351

Ion Ratio Lower Upper

244 100

212 8.8 8.6 13.0

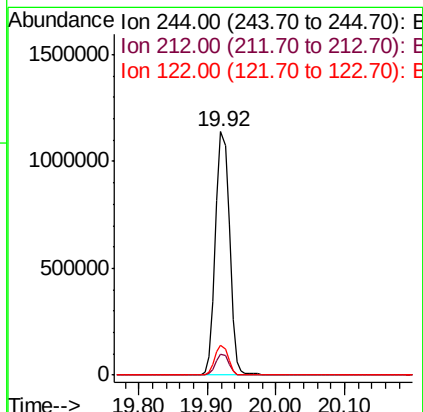
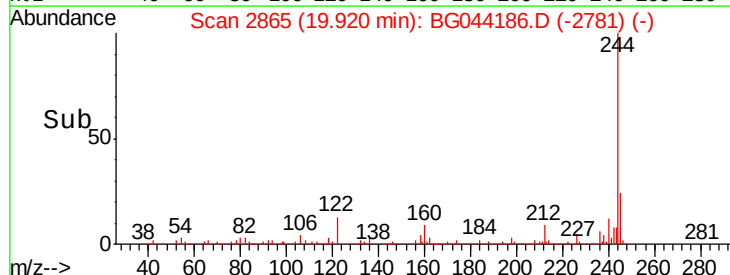
122 12.5 11.9 17.9

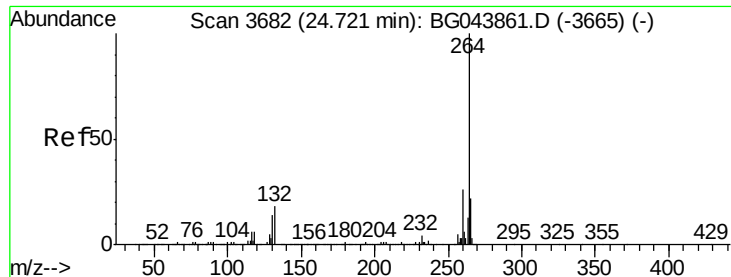


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044186.D
Acq: 24 Jan 2020 17:46

Instrument :
BNA_G
ClientSampleId :
PB126325BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.4	30.6
265	21.8	17.4	26.2

