

Data File : BG044057.D
Acq On : 15 Jan 2020 19:49
Operator : JU
Sample : PB126104BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126104BL

Quant Time: Jan 16 08:12:43 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	7.94	152	101616	20.00	ng	-0.02
21) Naphthalene-d8	10.74	136	408693	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	276885	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	628132	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	571831	20.00	ng	-0.03
87) Perylene-d12	24.68	264	633576	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	269066	48.62	ng	-0.02
7) Phenol-d6	7.11	99	224849	29.07	ng	-0.02
23) Nitrobenzene-d5	9.09	82	613598	80.32	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	288701	99.64	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1366401	89.41	ng	-0.02
79) Terphenyl-d14	19.93	244	2140453	92.28	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	79581	13.814	ng	# 78
51) 2,6-Dinitrotoluene	14.58	165	35689	8.032	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	35689	5.903	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.06	198	965	4.661	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	20437	2.893	ng	# 1
77) Benzidine	19.93	184	40250	2.800	ng	# 94

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

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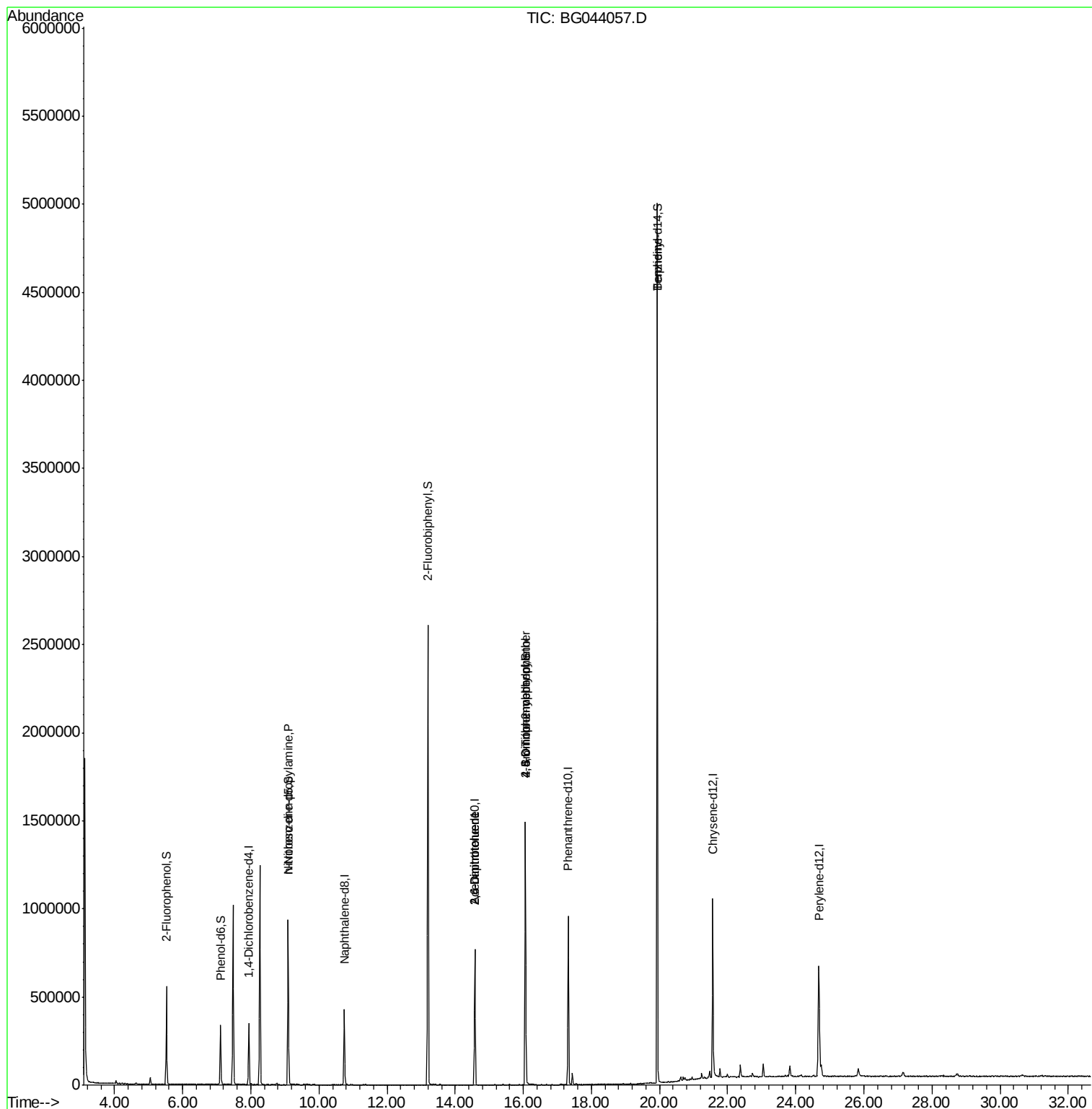
Quant Time: Jan 16 08:12:43 2020

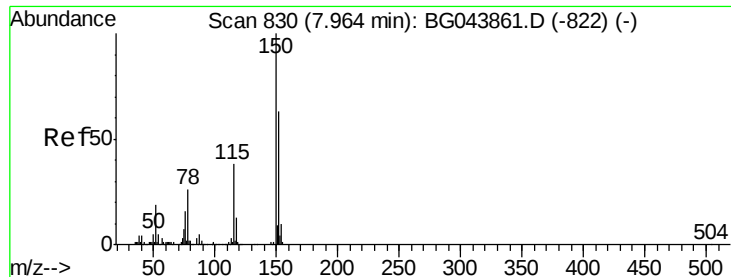
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M

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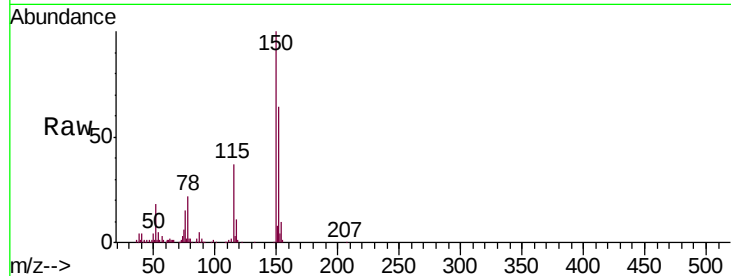


#1

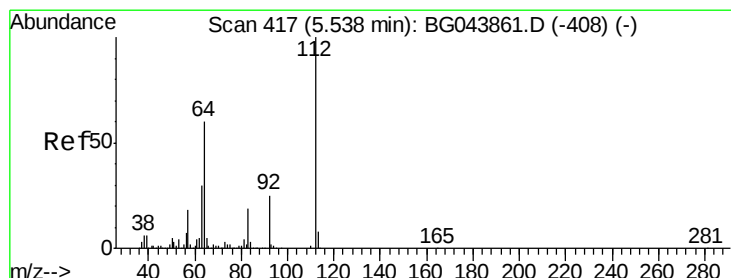
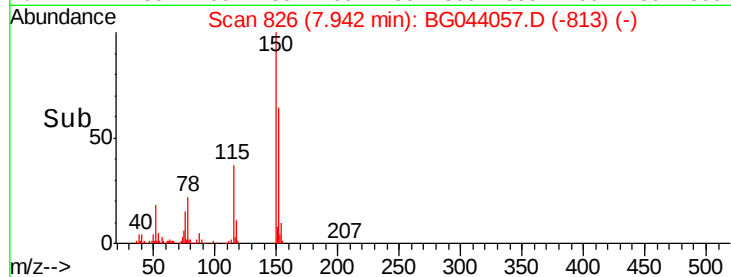
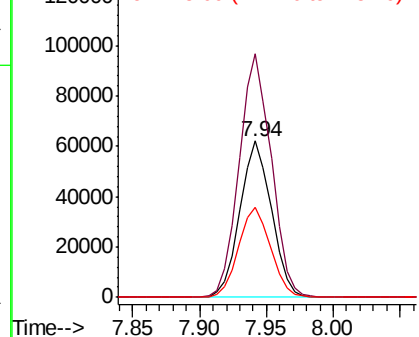
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.02 min
Lab File: BG044057.D
Acq: 15 Jan 2020 19:49

Instrument :
BNA_G
ClientSampleId :
PB126104BL

Tgt Ion:152 Resp: 101616
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.4
115 57.6 47.8 71.8



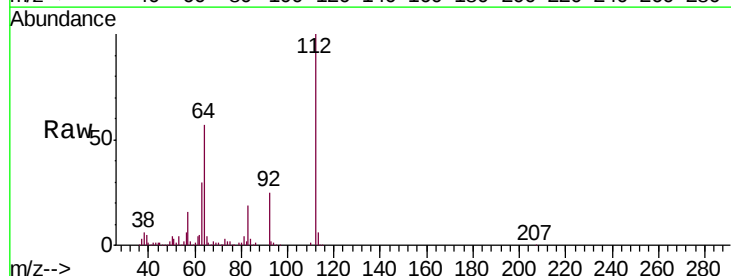
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



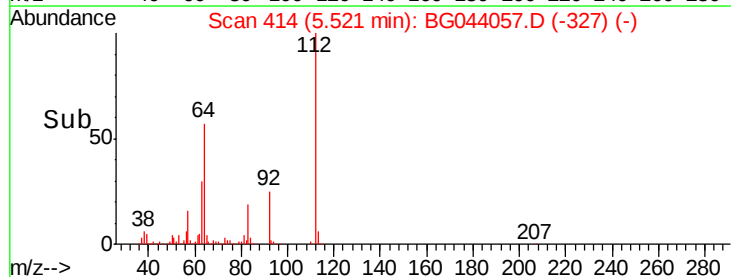
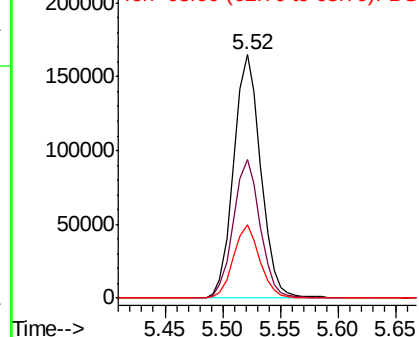
#5

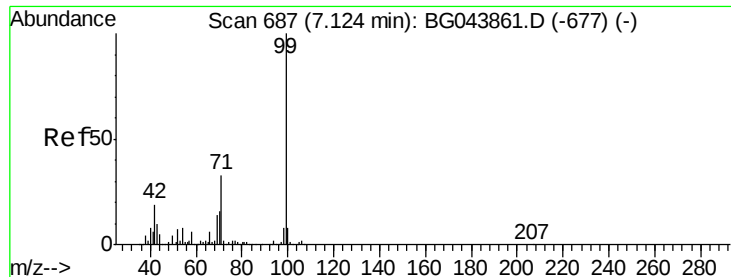
2-Fluorophenol
Concen: 48.618 ng
RT: 5.52 min Scan# 414
Delta R.T. -0.02 min
Lab File: BG044057.D
Acq: 15 Jan 2020 19:49

Tgt Ion:112 Resp: 269066
Ion Ratio Lower Upper
112 100
64 57.2 47.8 71.6
63 30.1 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: 29.066 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.02 min

Lab File: BG044057.D

Acq: 15 Jan 2020 19:49

Instrument :

BNA_G

ClientSampleId :

PB126104BL

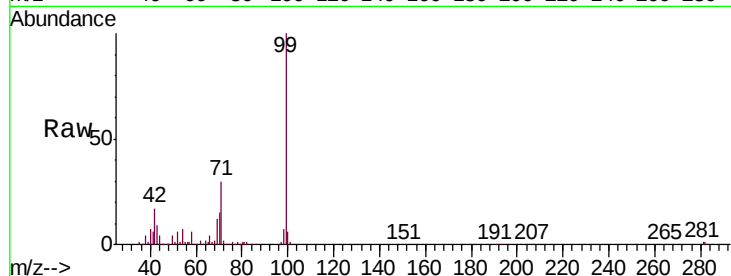
Tgt Ion: 99 Resp: 224849

Ion Ratio Lower Upper

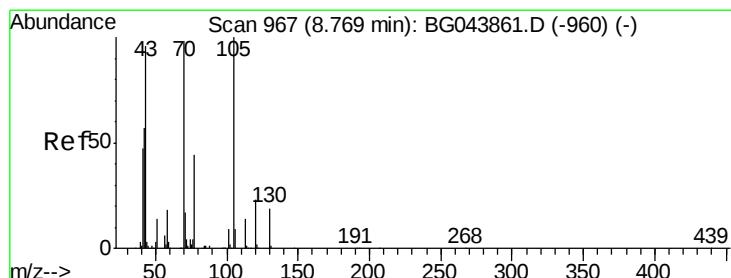
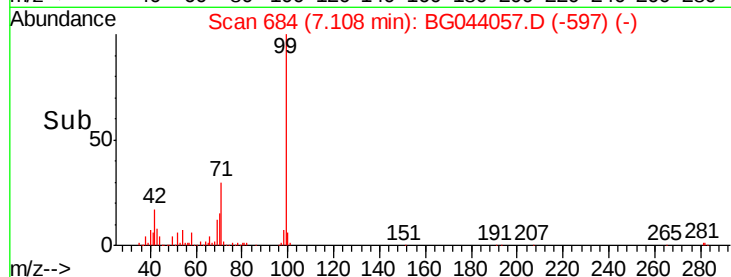
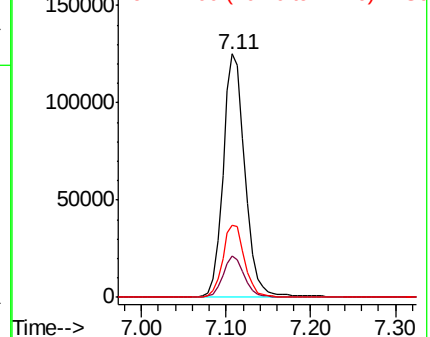
99 100

42 16.9 14.9 22.3

71 29.6 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: 13.814 ng

RT: 9.09 min Scan# 1022

Delta R.T. 0.32 min

Lab File: BG044057.D

Acq: 15 Jan 2020 19:49

Tgt Ion: 70 Resp: 79581

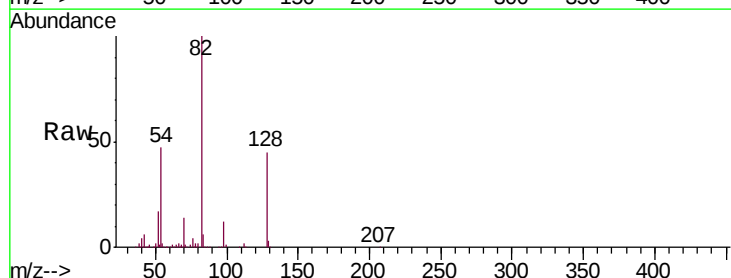
Ion Ratio Lower Upper

70 100

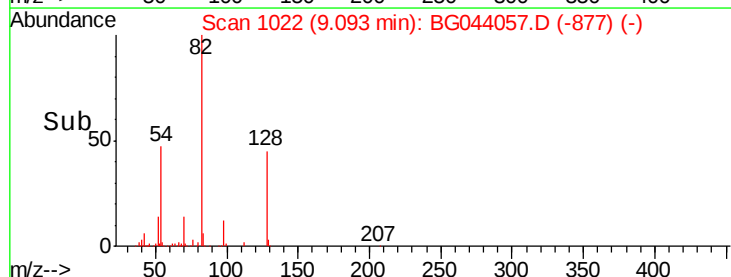
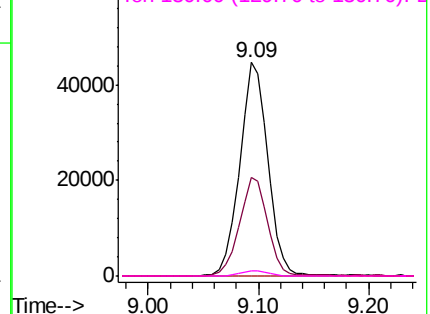
42 46.1 47.0 70.4#

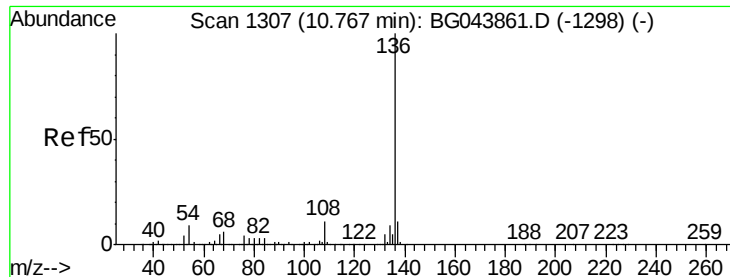
101 0.0 7.2 10.8#

130 2.3 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

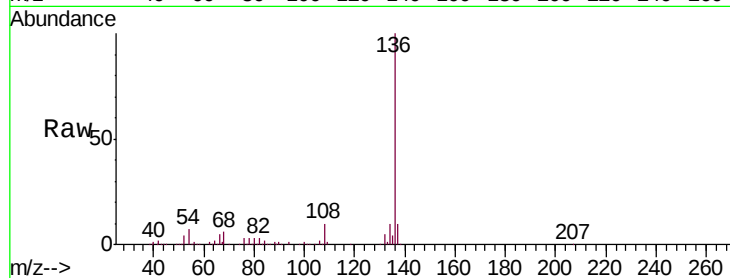




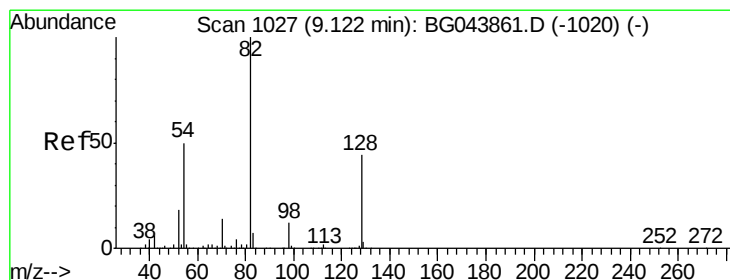
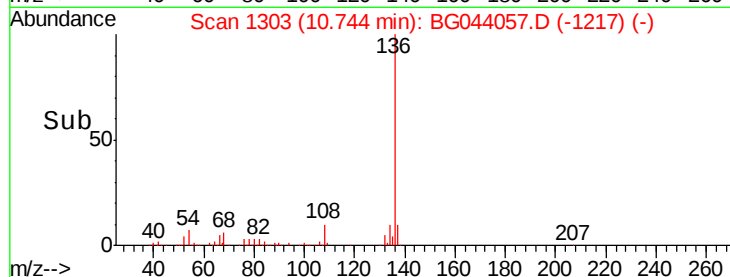
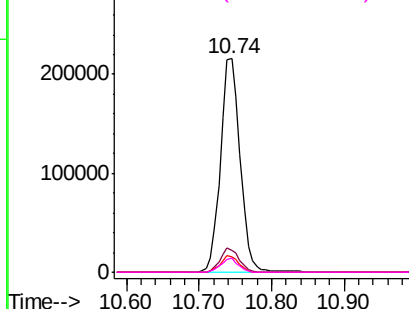
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BG044057.D
Acq: 15 Jan 2020 19:49

Instrument :
BNA_G
ClientSampleId :
PB126104BL

Tgt Ion:	136	Resp:	408693
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	7.2	7.0	10.4
68	6.4	4.9	7.3

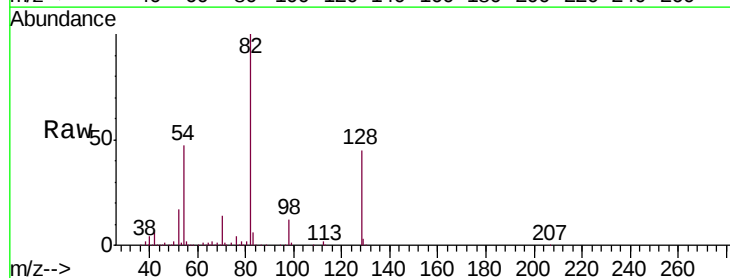


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

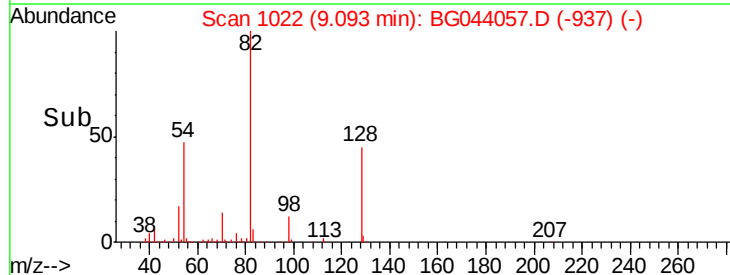
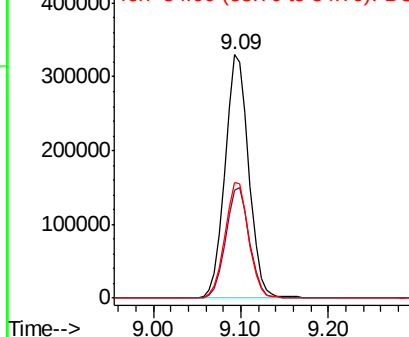


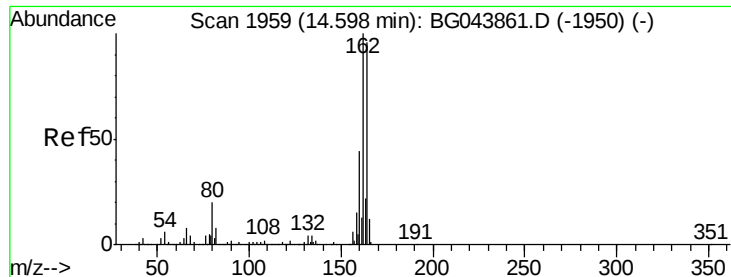
#23
Nitrobenzene-d5
Concen: 80.317 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BG044057.D
Acq: 15 Jan 2020 19:49

Tgt Ion:	82	Resp:	613598
Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.1	52.7
54	47.5	40.1	60.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044057.D

Acq: 15 Jan 2020 19:49

Instrument :

BNA_G

ClientSampleId :

PB126104BL

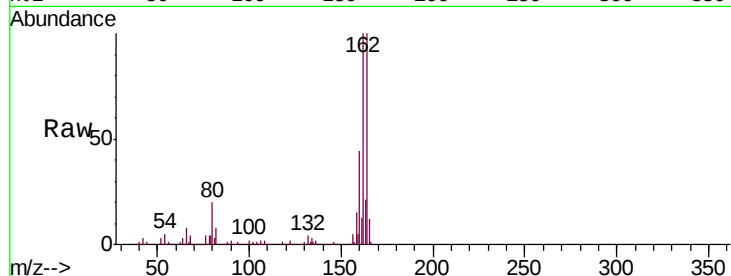
Tgt Ion:164 Resp: 276885

Ion Ratio Lower Upper

164 100

162 100.0 83.0 124.4

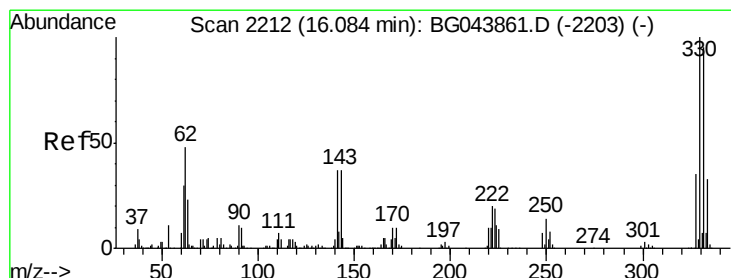
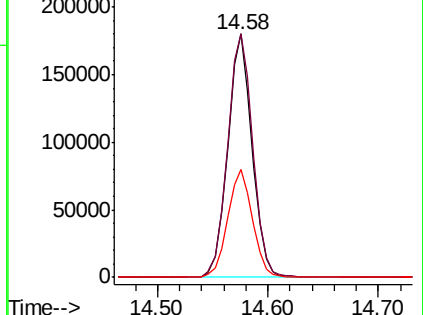
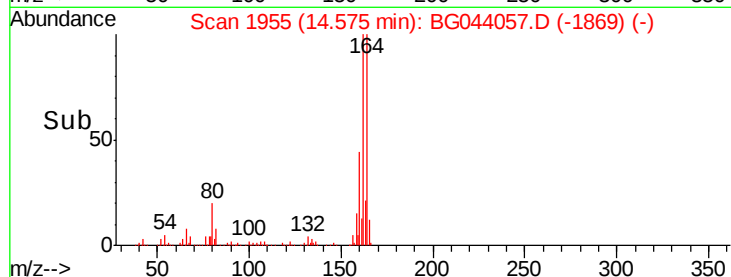
160 44.3 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 99.636 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044057.D

Acq: 15 Jan 2020 19:49

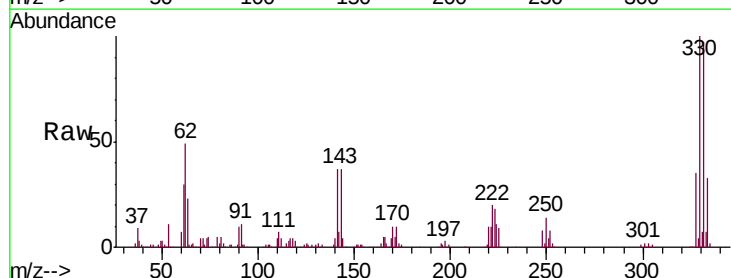
Tgt Ion:330 Resp: 288701

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

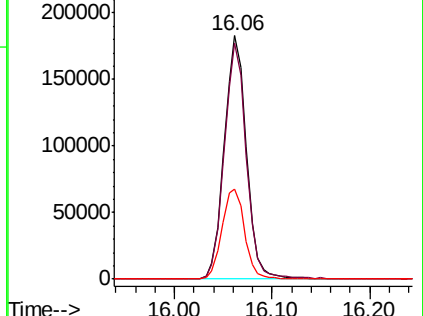
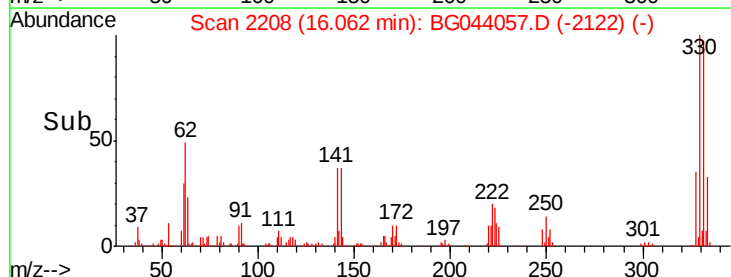
141 38.0 33.1 49.7

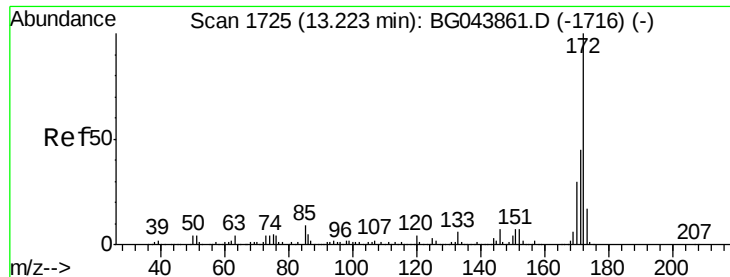


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

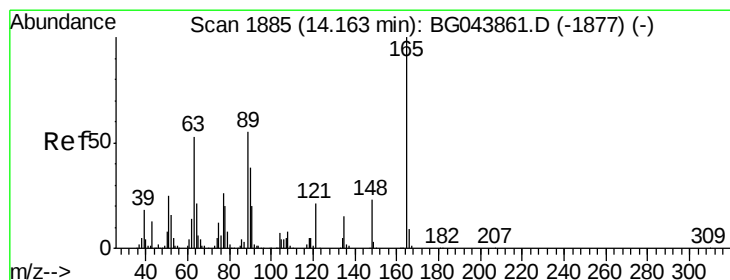
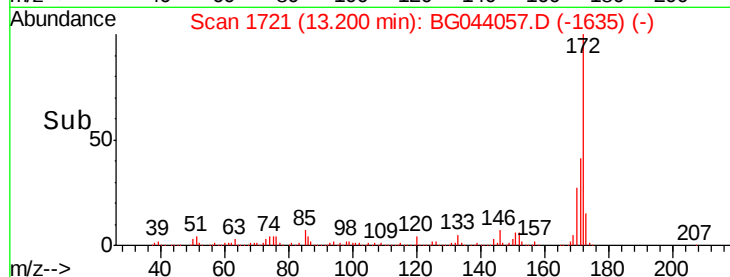
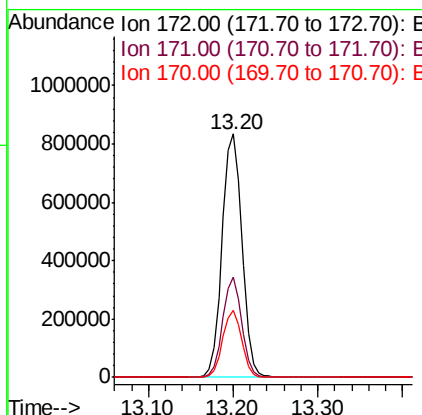
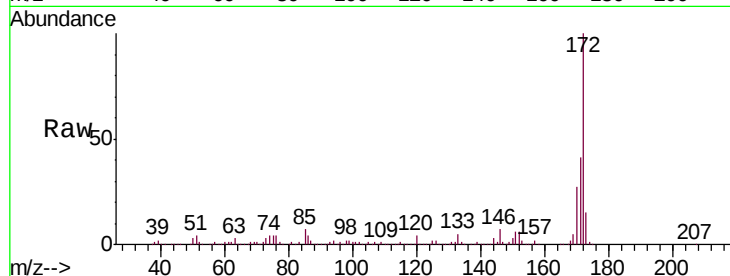




#45
 2-Fluorobiphenyl
 Concen: 89.409 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044057.D
 Acq: 15 Jan 2020 19:49

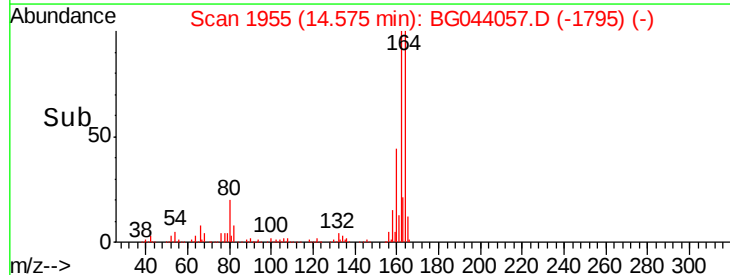
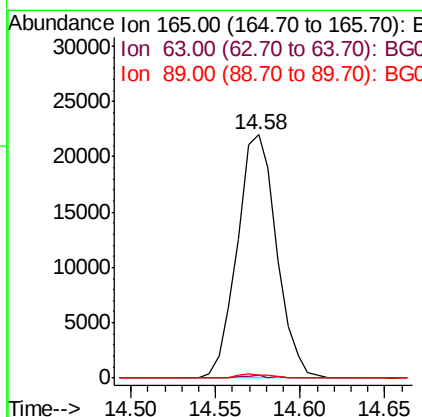
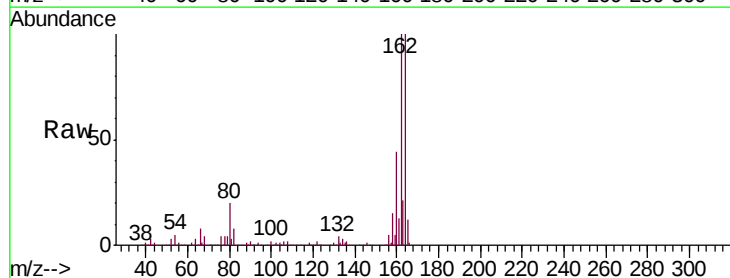
Instrument :
 BNA_G
 ClientSampleId :
 PB126104BL

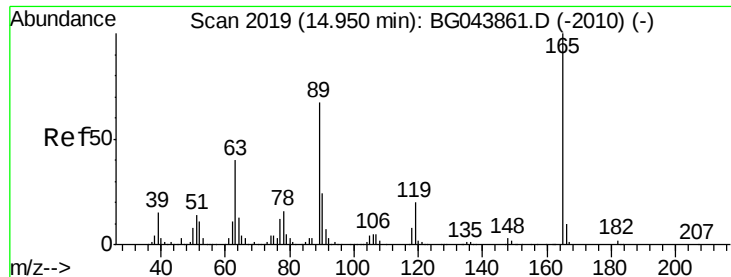
Tgt Ion:172 Resp: 1366401
 Ion Ratio Lower Upper
 172 100
 171 41.0 35.8 53.8
 170 27.4 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.032 ng
 RT: 14.58 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BG044057.D
 Acq: 15 Jan 2020 19:49

Tgt Ion:165 Resp: 35689
 Ion Ratio Lower Upper
 165 100
 63 1.1 43.1 64.7#
 89 1.1 43.8 65.6#

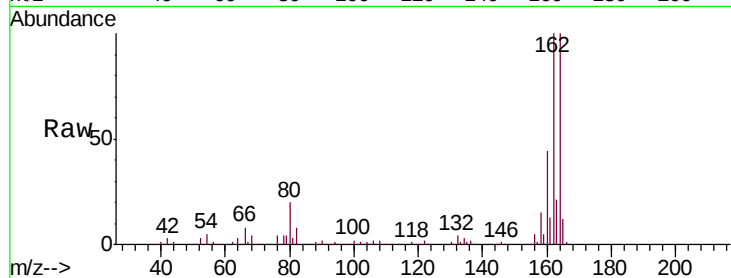




#57
 2,4-Dinitrotoluene
 Concen: 5.903 ng
 RT: 14.58 min Scan# 1955
 Delta R.T. -0.38 min
 Lab File: BG044057.D
 Acq: 15 Jan 2020 19:49

Instrument :
 BNA_G
 ClientSampleId :
 PB126104BL

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

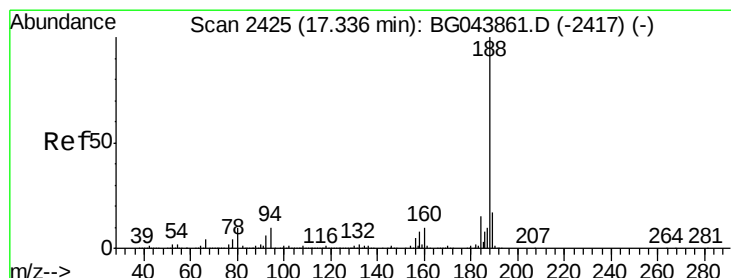
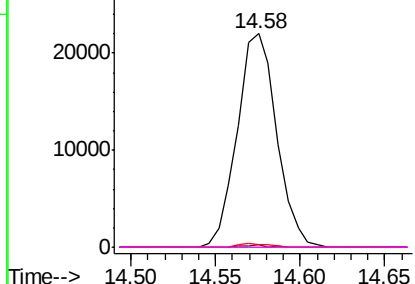
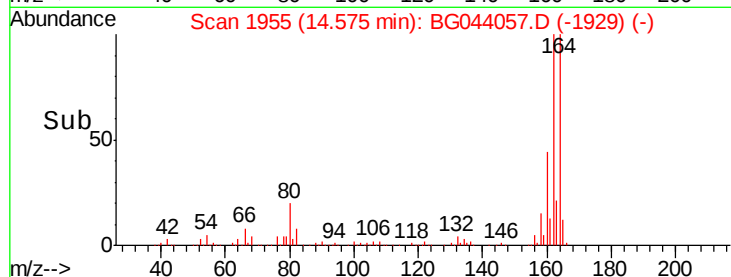


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

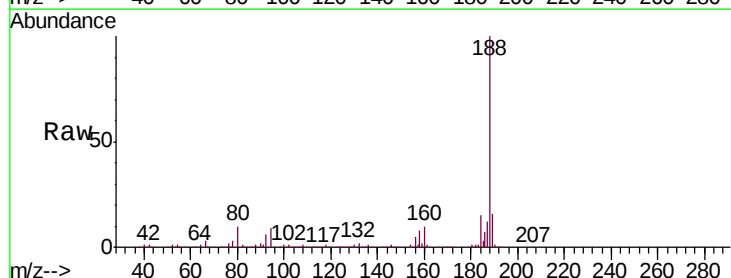
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.02 min
 Lab File: BG044057.D
 Acq: 15 Jan 2020 19:49

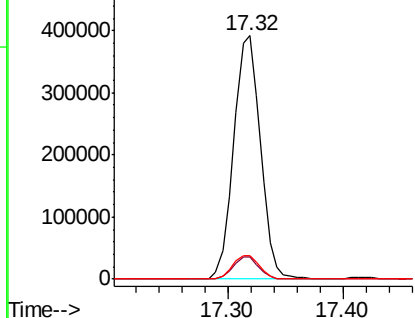
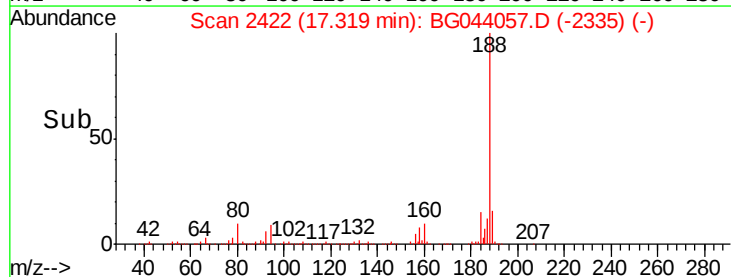
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.9	11.9
80	9.6	8.2	12.4

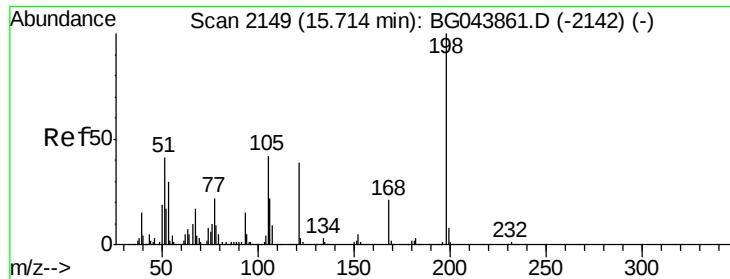


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.661 ng

RT: 16.06 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044057.D

Acq: 15 Jan 2020 19:49

Instrument :

BNA_G

ClientSampleId :

PB126104BL

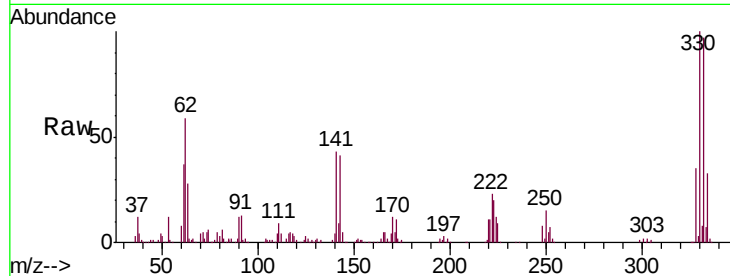
Tgt Ion:198 Resp: 965

Ion Ratio Lower Upper

198 100

51 105.1 22.5 62.5#

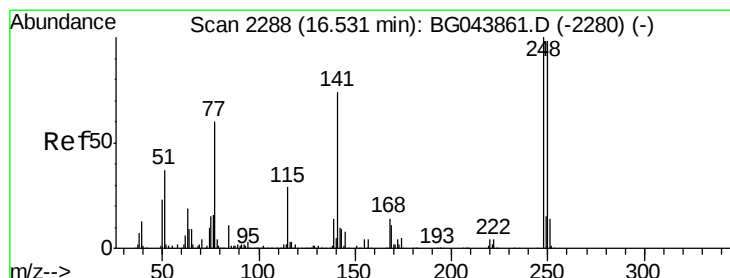
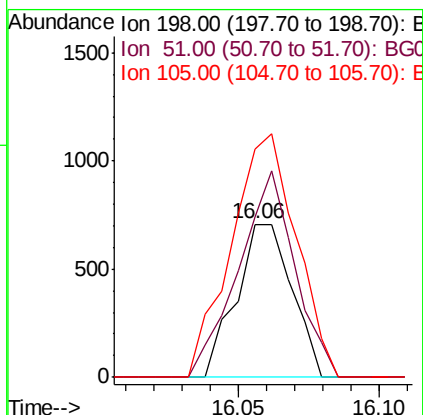
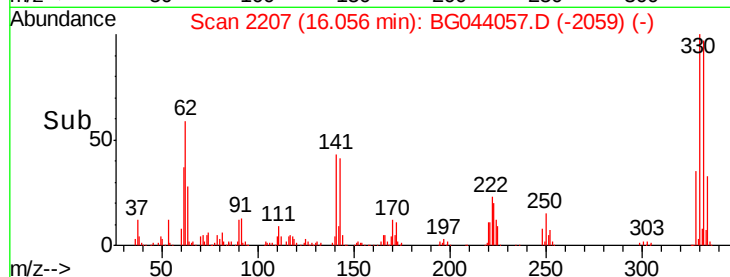
105 149.3 22.3 62.3#



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: 2.893 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.47 min

Lab File: BG044057.D

Acq: 15 Jan 2020 19:49

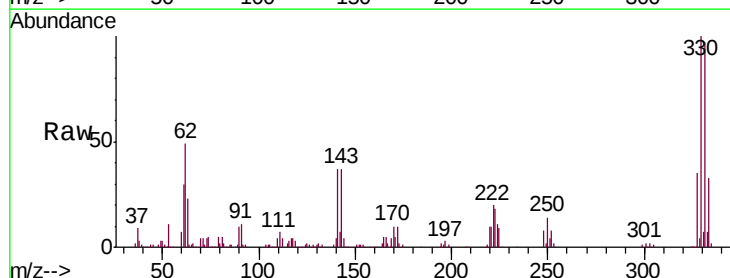
Tgt Ion:248 Resp: 20437

Ion Ratio Lower Upper

248 100

250 189.9 78.2 117.2#

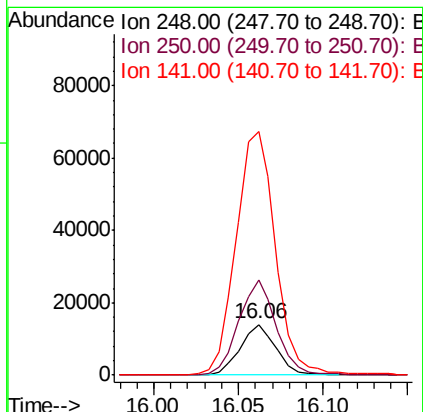
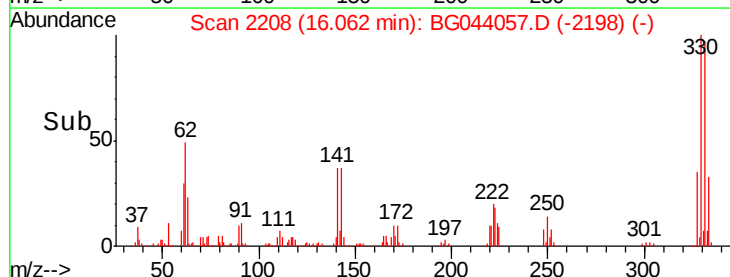
141 482.9 59.3 88.9#

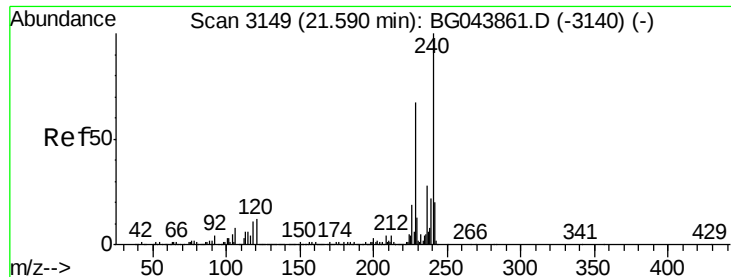


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

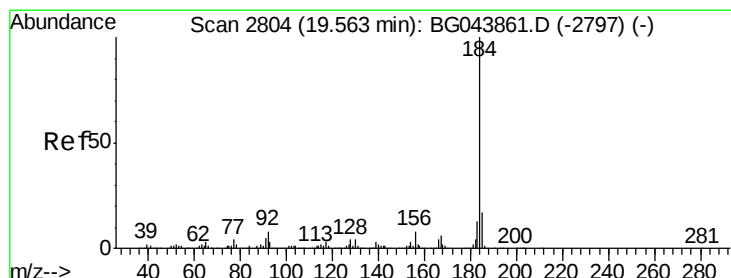
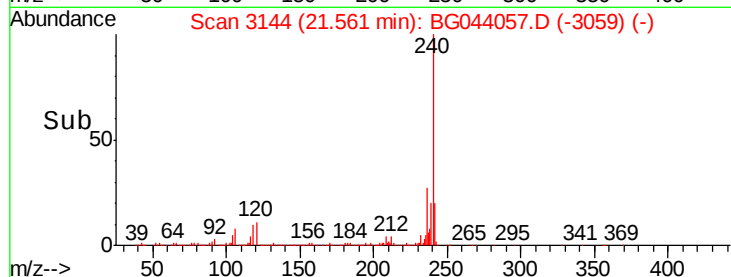
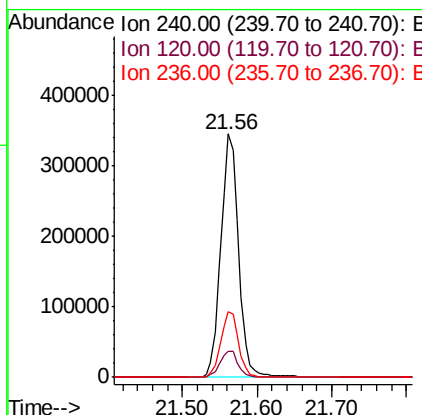
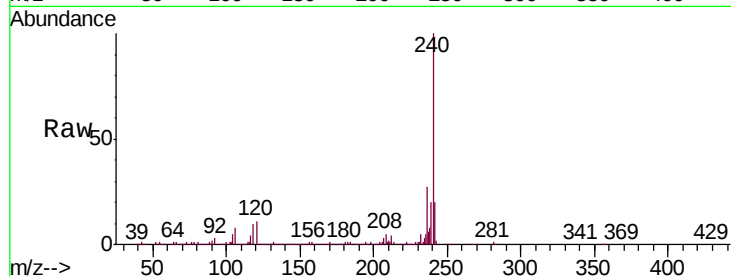




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.03 min
Lab File: BG044057.D
Acq: 15 Jan 2020 19:49

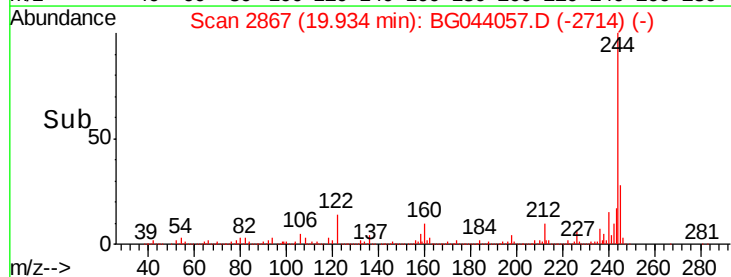
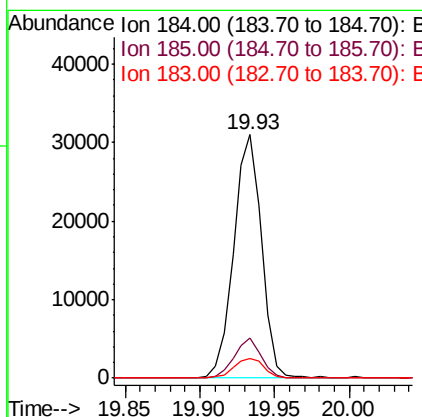
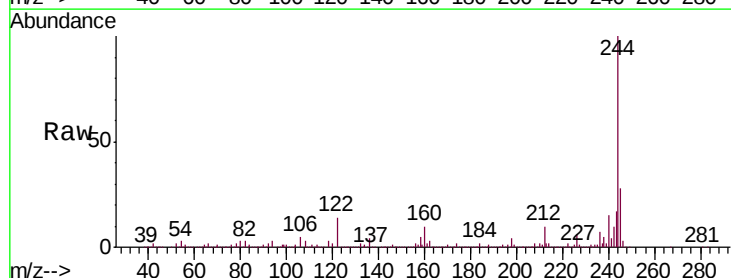
Instrument :
BNA_G
ClientSampleId :
PB126104BL

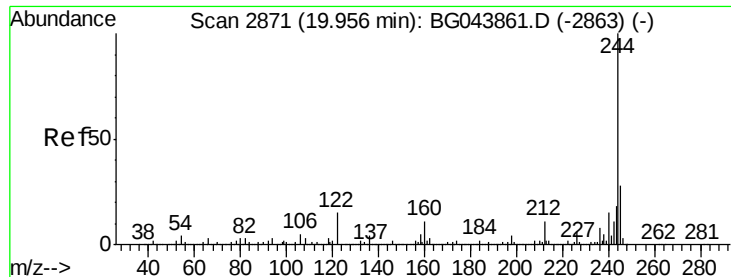
Tgt Ion:240 Resp: 571831
Ion Ratio Lower Upper
240 100
120 10.7 9.6 14.4
236 27.2 22.2 33.2



#77
Benzidine
Concen: 2.800 ng
RT: 19.93 min Scan# 2867
Delta R.T. 0.37 min
Lab File: BG044057.D
Acq: 15 Jan 2020 19:49

Tgt Ion:184 Resp: 40250
Ion Ratio Lower Upper
184 100
185 16.6 13.4 20.0
183 8.2 10.6 15.8#





#79

Terphenyl-d14

Concen: 92.278 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.02 min

Lab File: BG044057.D

Acq: 15 Jan 2020 19:49

Instrument :

BNA_G

ClientSampleId :

PB126104BL

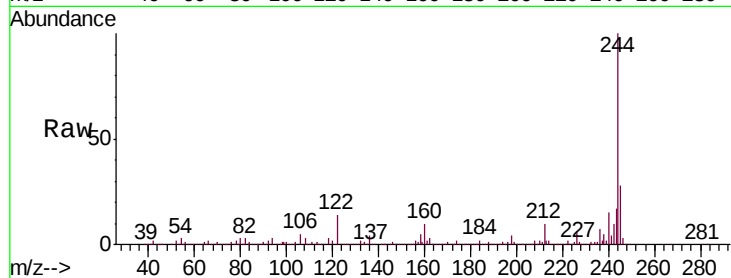
Tgt Ion:244 Resp: 2140453

Ion Ratio Lower Upper

244 100

212 10.3 8.6 13.0

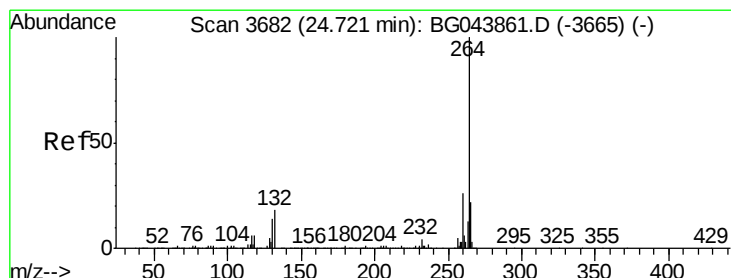
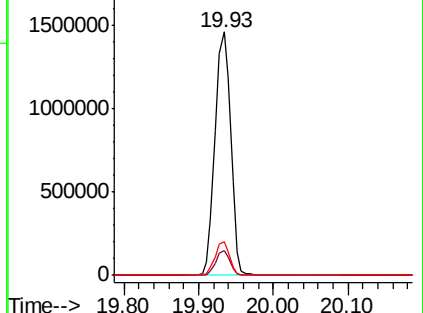
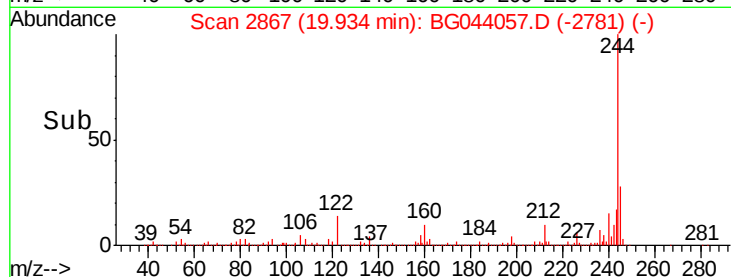
122 13.9 11.9 17.9



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: 24.68 min Scan# 3674

Delta R.T. -0.05 min

Lab File: BG044057.D

Acq: 15 Jan 2020 19:49

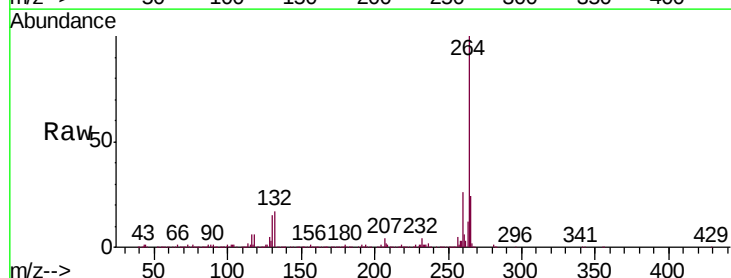
Tgt Ion:264 Resp: 633576

Ion Ratio Lower Upper

264 100

260 25.8 20.4 30.6

265 23.5 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

