

Data File : BG044101.D
Acq On : 20 Jan 2020 17:04
Operator : JU
Sample : PB126194BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126194BL

Quant Time: Jan 21 04:42:15 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

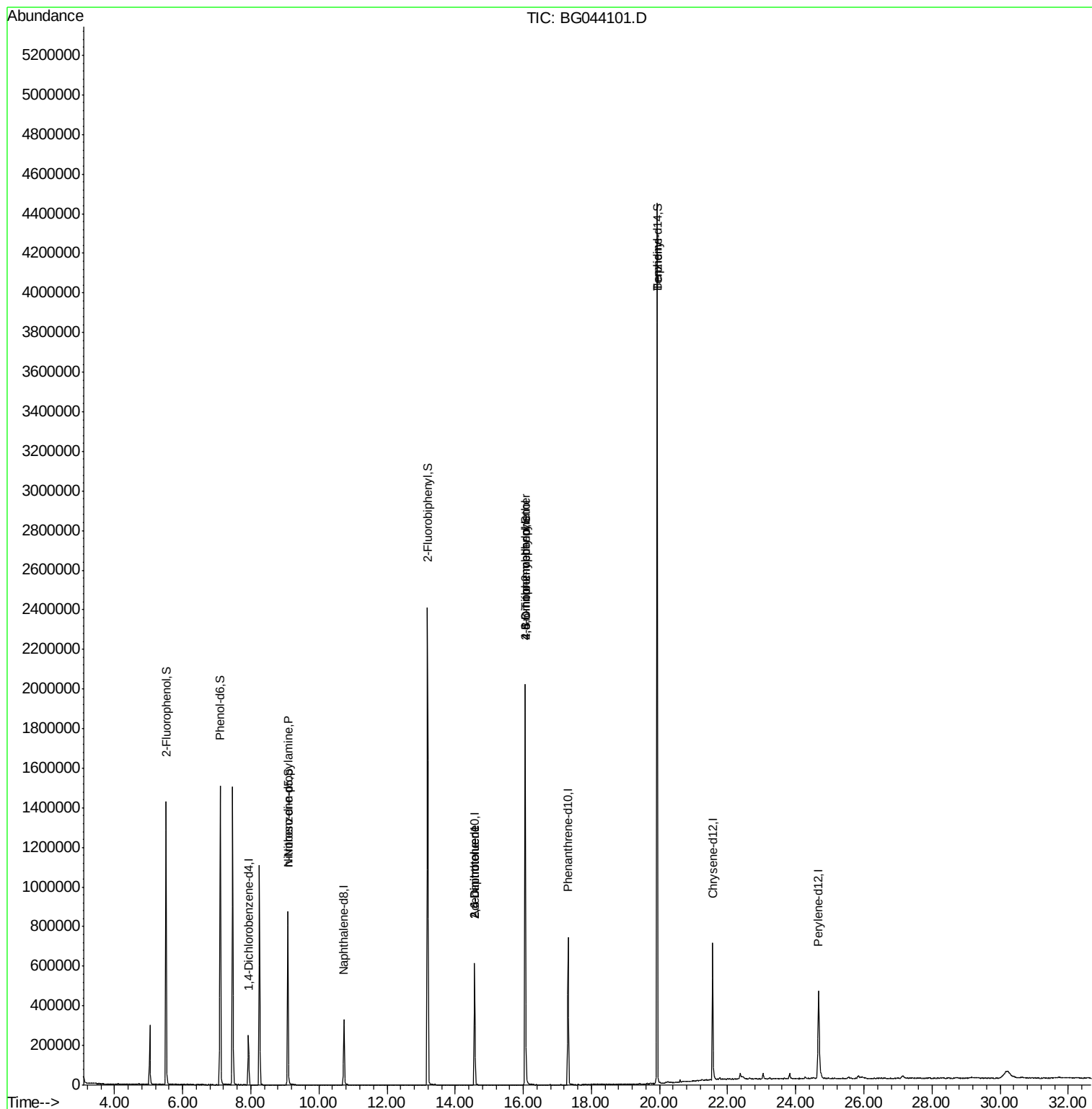
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	73123	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	318638	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	225432	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	494534	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	419811	20.00	ng	-0.03
87) Perylene-d12	24.67	264	460732	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	687201	172.56	ng	-0.03
7) Phenol-d6	7.10	99	968917	174.05	ng	-0.02
23) Nitrobenzene-d5	9.09	82	551075	92.52	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	394814	167.36	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1316775	105.83	ng	-0.03
79) Terphenyl-d14	19.93	244	1995763	130.82	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	72806	17.562	ng	# 77
51) 2,6-Dinitrotoluene	14.57	165	29582	8.177	ng	# 25
57) 2,4-Dinitrotoluene	14.57	165	29582	6.009	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.06	198	1176	4.809	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	27473	4.939	ng	# 1
77) Benzidine	19.93	184	35270	3.342	ng	# 92

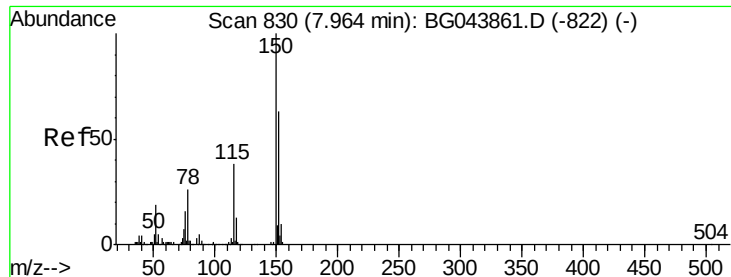
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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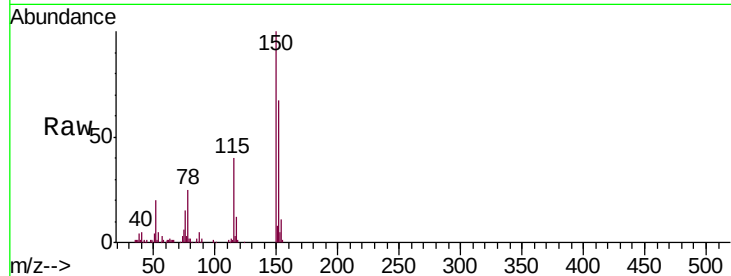


#1

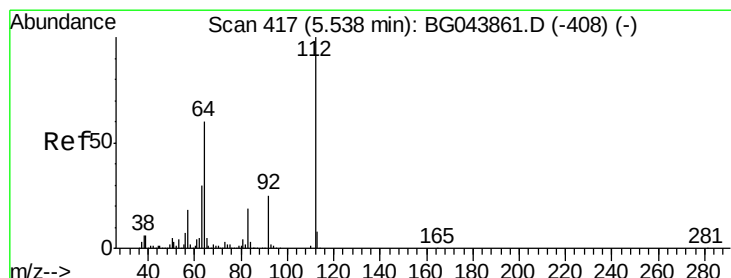
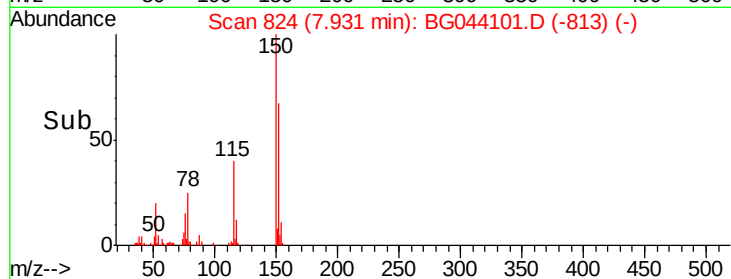
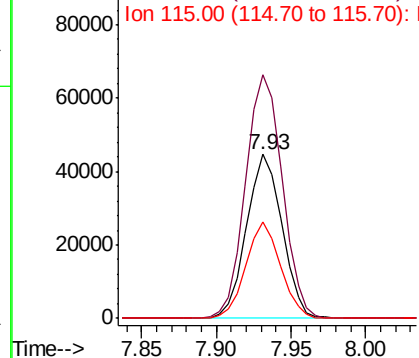
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044101.D
Acq: 20 Jan 2020 17:04

Instrument :
BNA_G
ClientSampleId :
PB126194BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.4	127.0	190.4
115	58.7	47.8	71.8



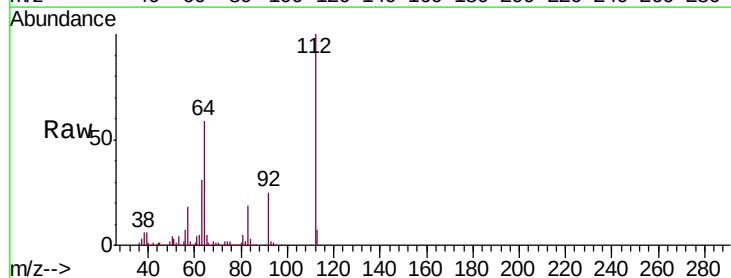
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



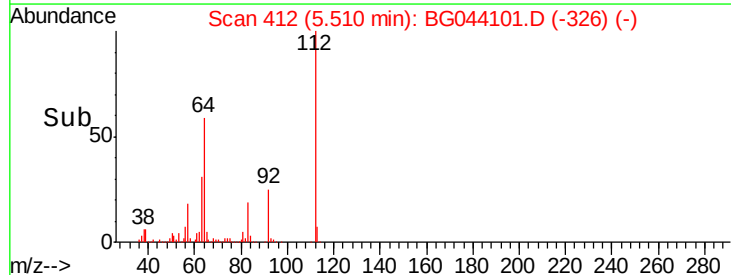
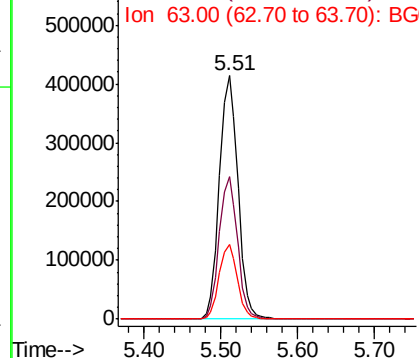
#5

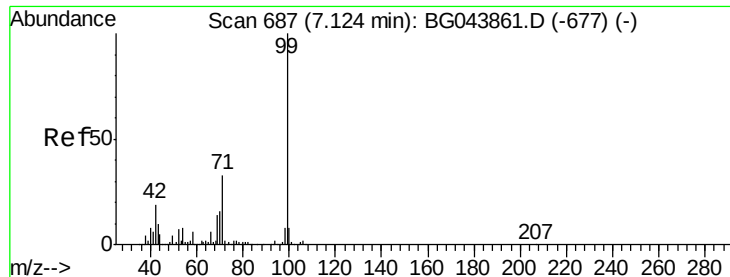
2-Fluorophenol
Concen: 172.556 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044101.D
Acq: 20 Jan 2020 17:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.8	71.6
63	30.5	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: 174.054 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044101.D

Acq: 20 Jan 2020 17:04

Instrument :

BNA_G

ClientSampleId :

PB126194BL

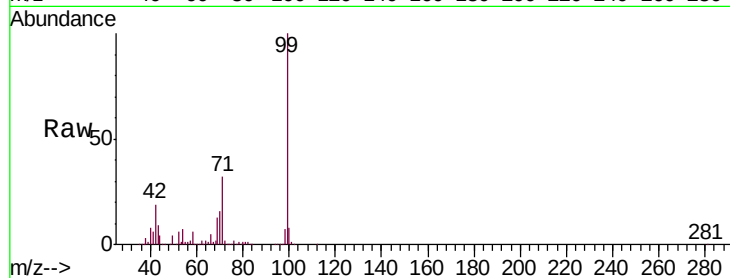
Tgt Ion: 99 Resp: 968917

Ion Ratio Lower Upper

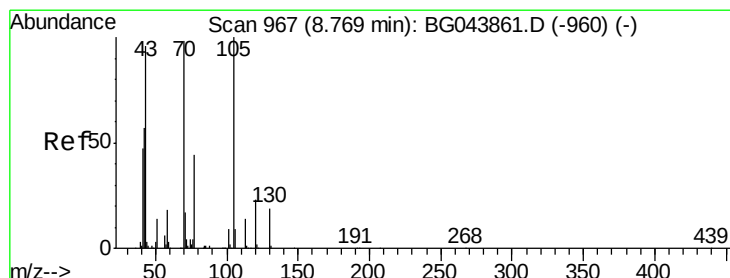
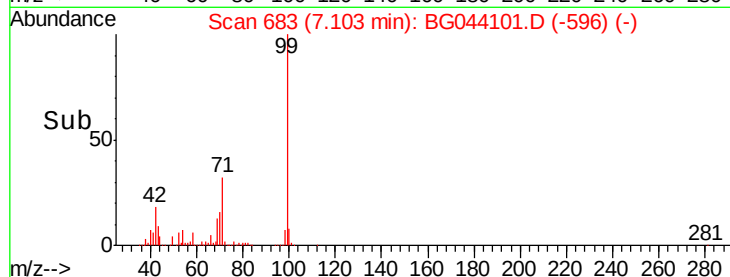
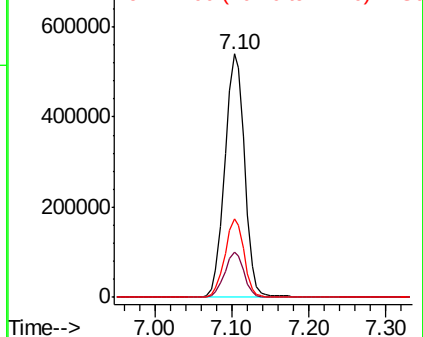
99 100

42 18.5 14.9 22.3

71 32.5 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: 17.562 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044101.D

Acq: 20 Jan 2020 17:04

Tgt Ion: 70 Resp: 72806

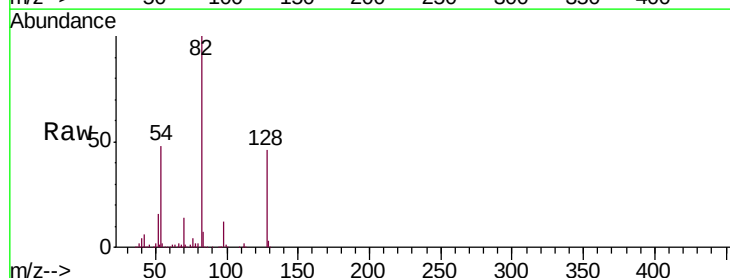
Ion Ratio Lower Upper

70 100

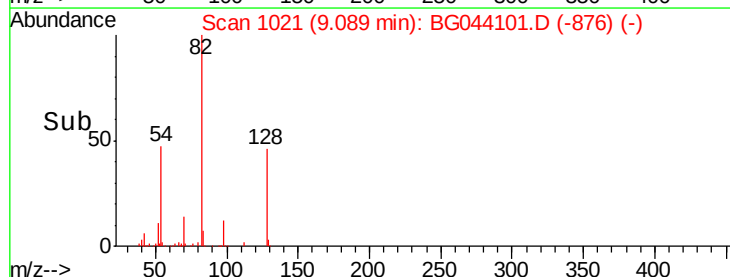
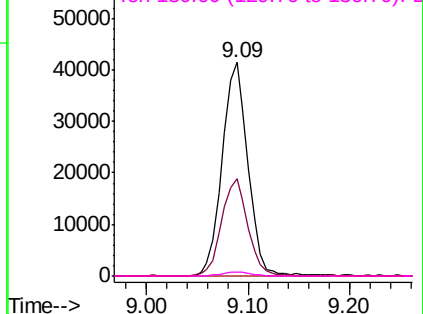
42 45.8 47.0 70.4#

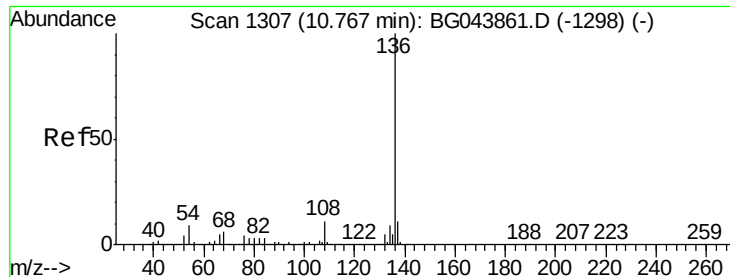
101 0.0 7.2 10.8#

130 1.7 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

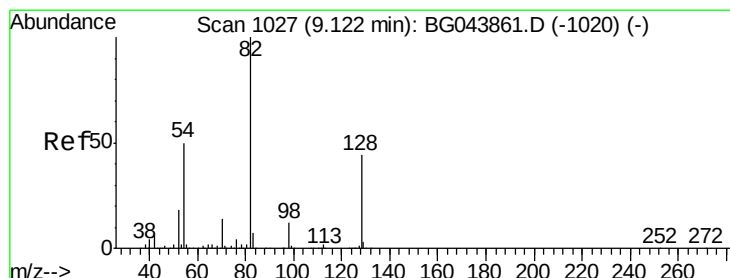
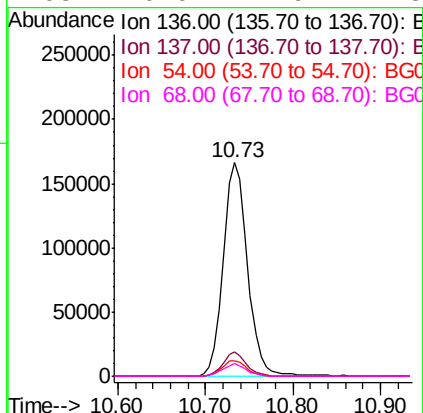
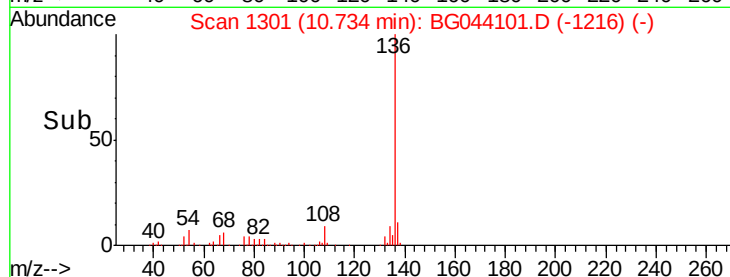
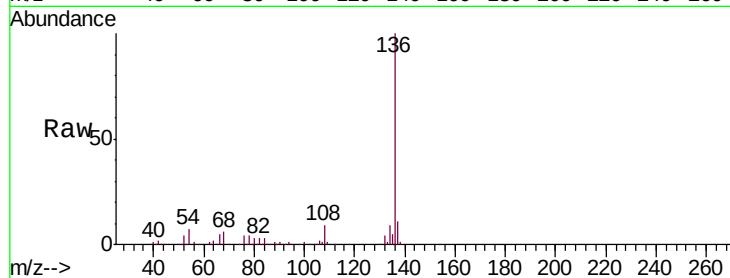




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044101.D
Acq: 20 Jan 2020 17:04

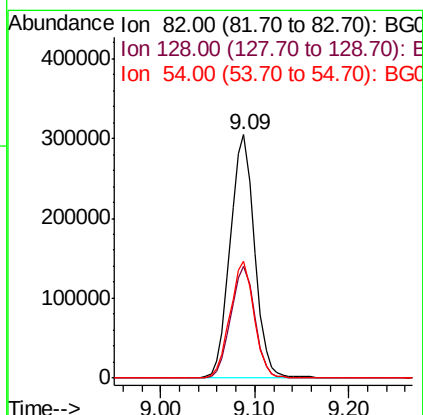
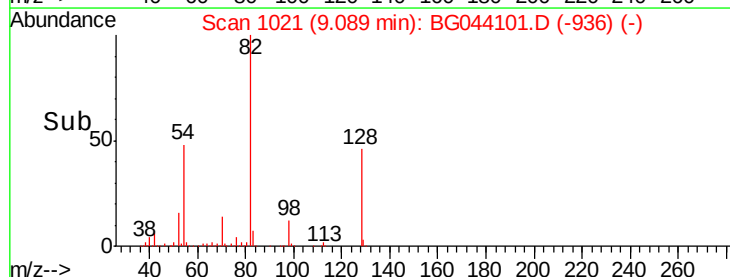
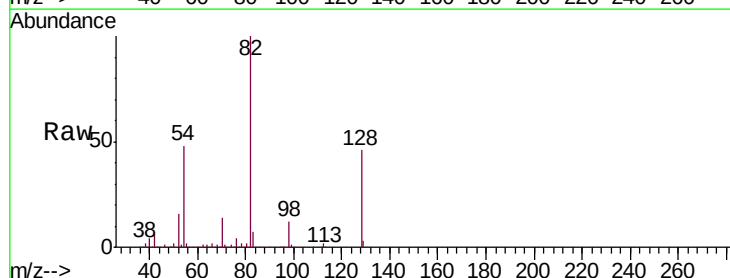
Instrument :
BNA_G
ClientSampleId :
PB126194BL

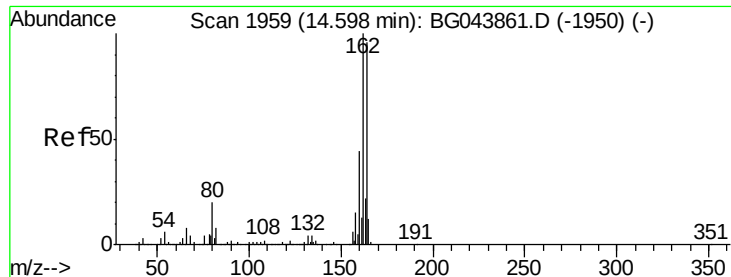
Tgt Ion:	136	Resp:	318638
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.3	7.0	10.4
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 92.520 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044101.D
Acq: 20 Jan 2020 17:04

Tgt Ion:	82	Resp:	551075
Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.1	52.7
54	48.2	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044101.D

Acq: 20 Jan 2020 17:04

Instrument :

BNA_G

ClientSampleId :

PB126194BL

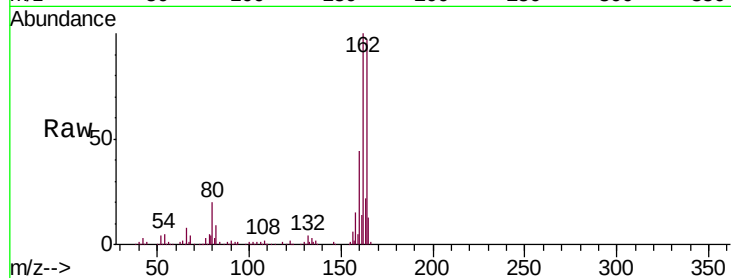
Tgt Ion:164 Resp: 225432

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.4

160 45.5 36.1 54.1

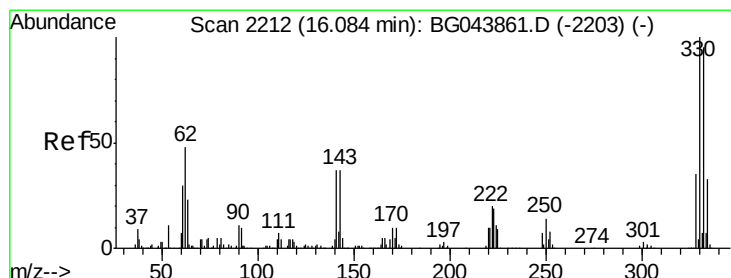
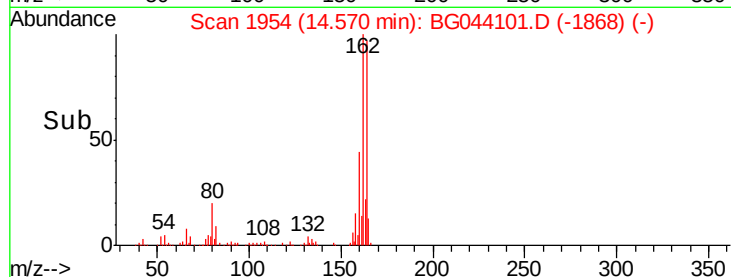
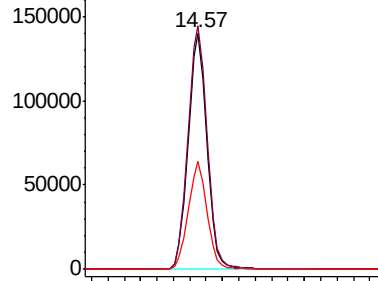


Abundance

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: 167.358 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044101.D

Acq: 20 Jan 2020 17:04

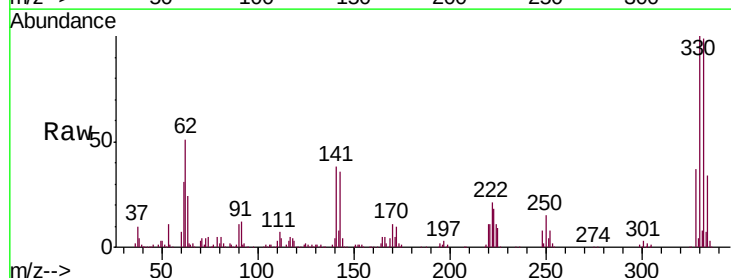
Tgt Ion:330 Resp: 394814

Ion Ratio Lower Upper

330 100

332 97.3 77.2 115.8

141 38.4 33.1 49.7

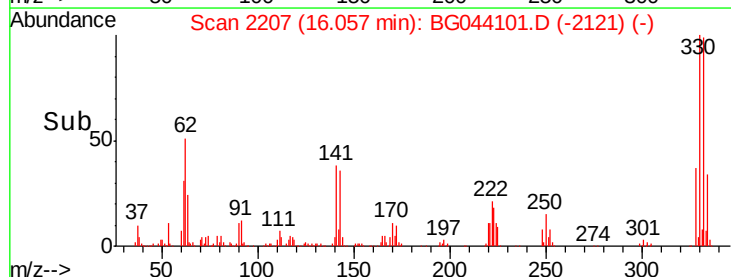
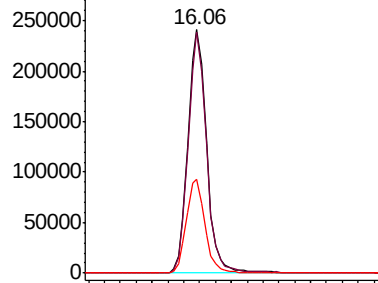


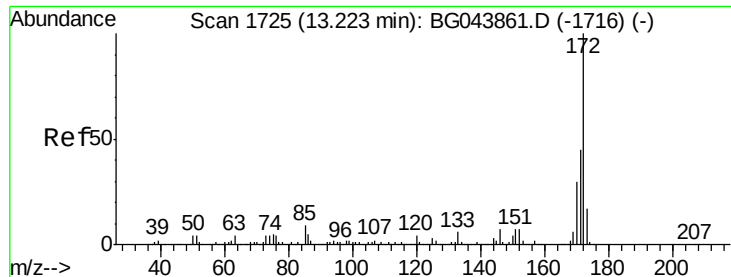
Abundance

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

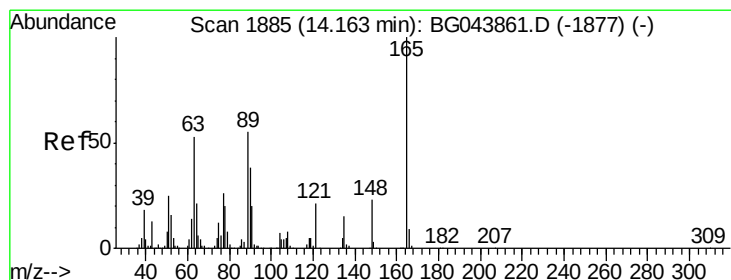
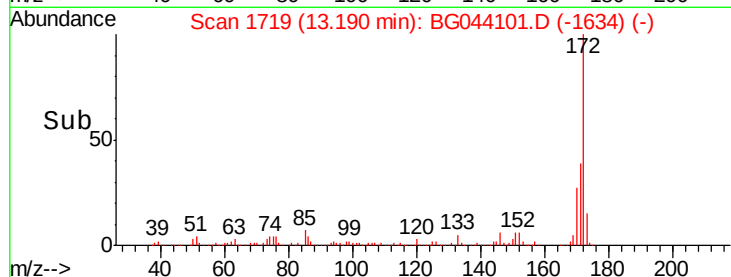
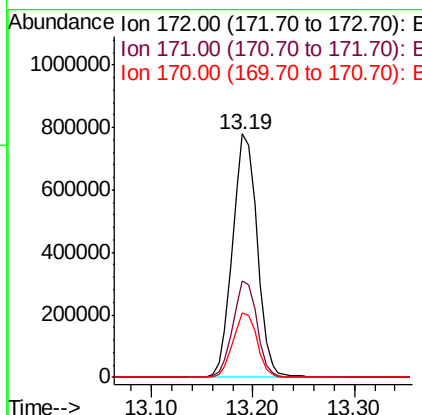
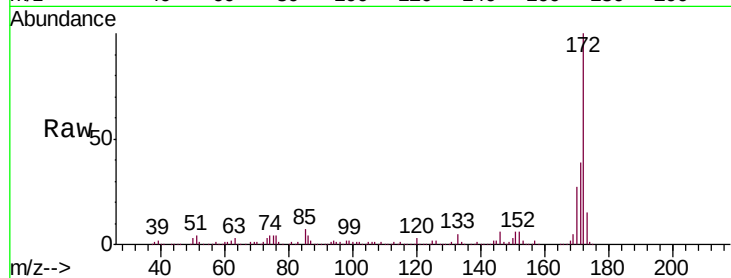




#45
2-Fluorobiphenyl
Concen: 105.828 ng
RT: 13.19 min Scan# 1719
Delta R.T. -0.03 min
Lab File: BG044101.D
Acq: 20 Jan 2020 17:04

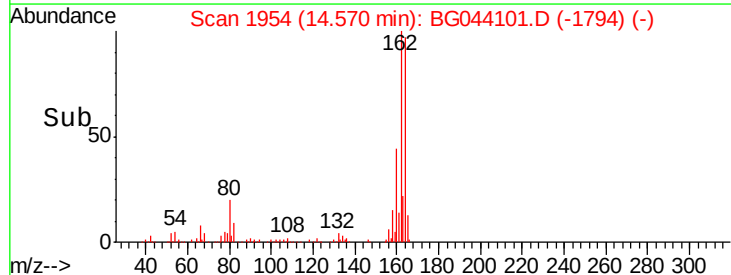
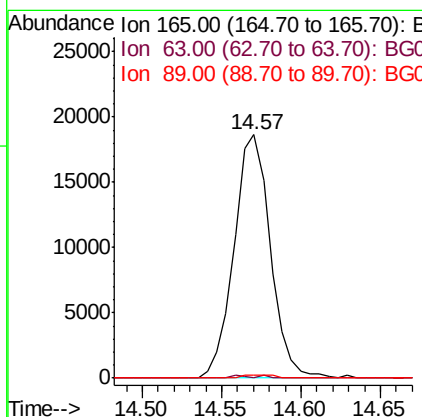
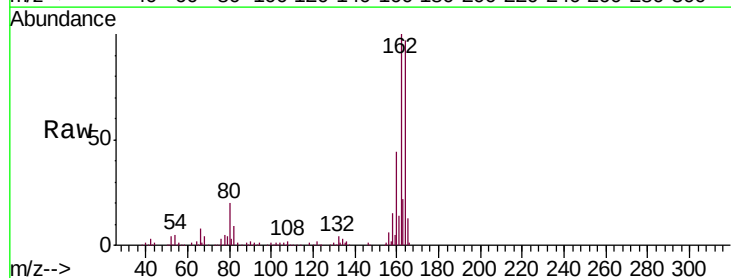
Instrument :
BNA_G
ClientSampleId :
PB126194BL

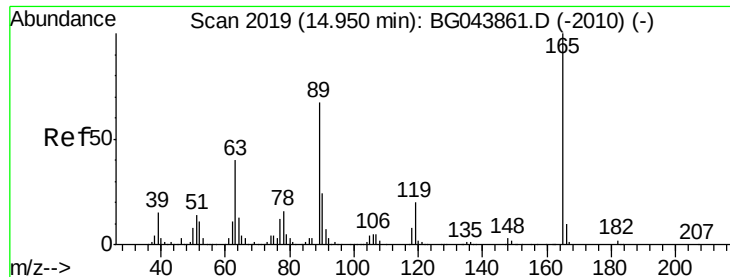
Tgt Ion:172 Resp: 1316775
Ion Ratio Lower Upper
172 100
171 39.4 35.8 53.8
170 26.6 24.2 36.4



#51
2,6-Dinitrotoluene
Concen: 8.177 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.41 min
Lab File: BG044101.D
Acq: 20 Jan 2020 17:04

Tgt Ion:165 Resp: 29582
Ion Ratio Lower Upper
165 100
63 0.0 43.1 64.7#
89 1.4 43.8 65.6#

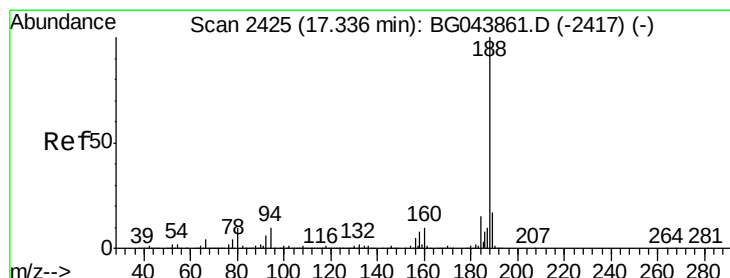
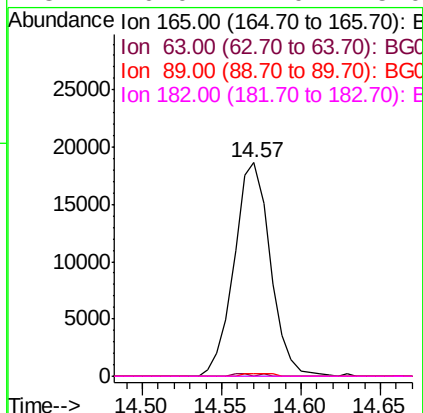
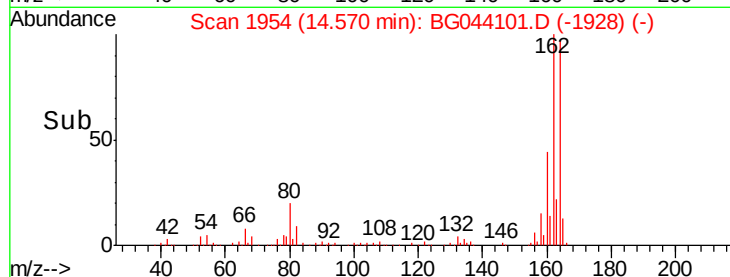
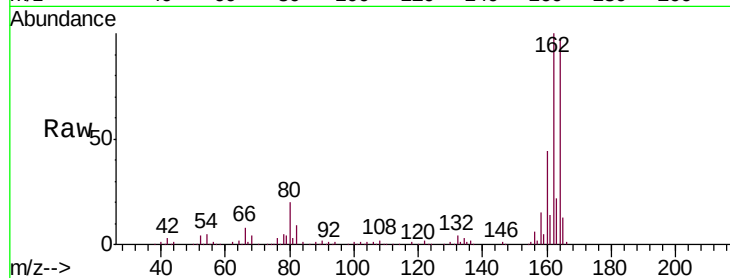




#57
 2,4-Dinitrotoluene
 Concen: 6.009 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG044101.D
 Acq: 20 Jan 2020 17:04

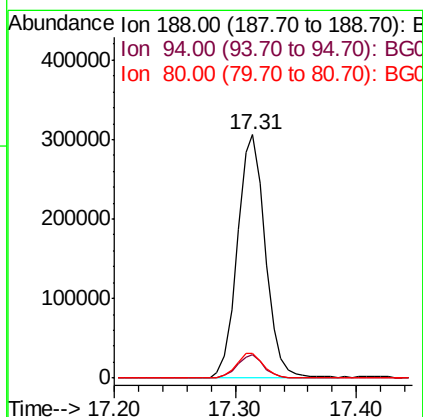
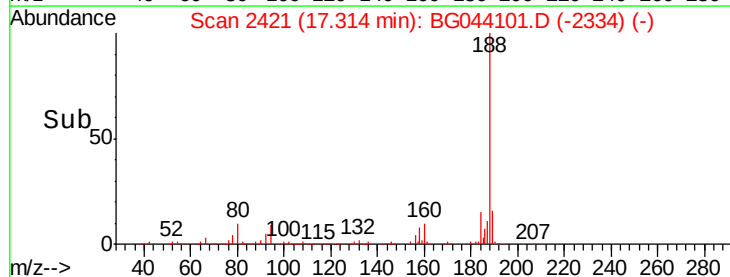
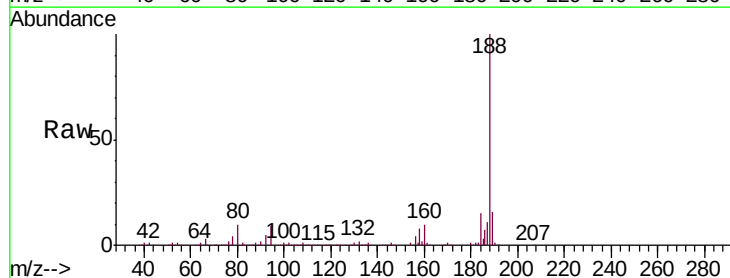
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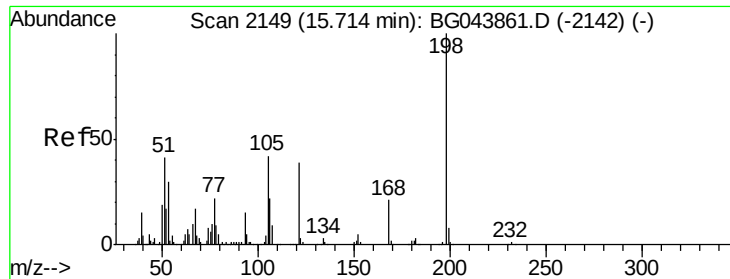
Tgt Ion:	165	Resp:	29582
Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.9	47.9#
89	1.4	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2421
 Delta R.T. -0.02 min
 Lab File: BG044101.D
 Acq: 20 Jan 2020 17:04

Tgt Ion:	188	Resp:	494534
Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.9	11.9
80	10.2	8.2	12.4

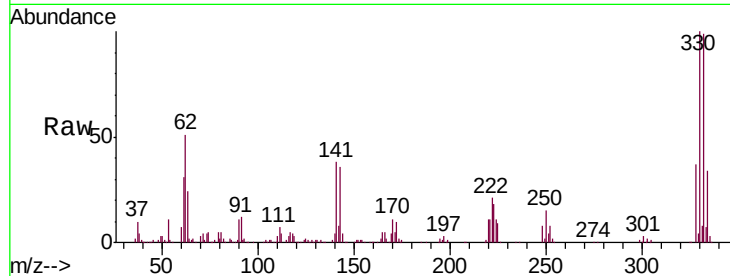




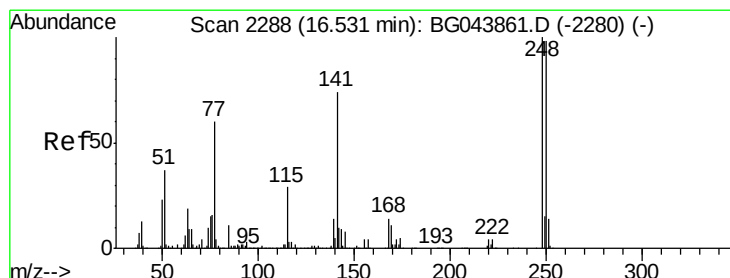
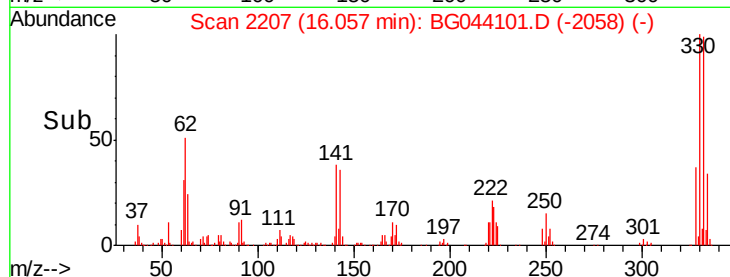
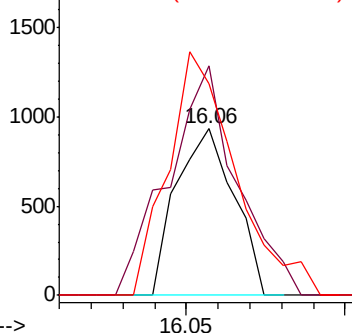
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.809 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. 0.34 min
 Lab File: BG044101.D
 Acq: 20 Jan 2020 17:04

Instrument :
 BNA_G
 ClientSampleId :
 PB126194BL

Tgt Ion:198 Resp: 1176
 Ion Ratio Lower Upper
 198 100
 51 137.6 22.5 62.5#
 105 127.0 22.3 62.3#

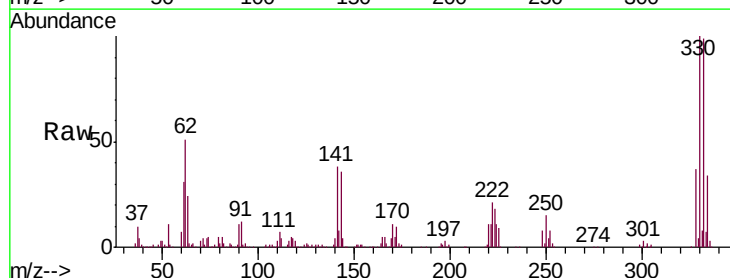


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

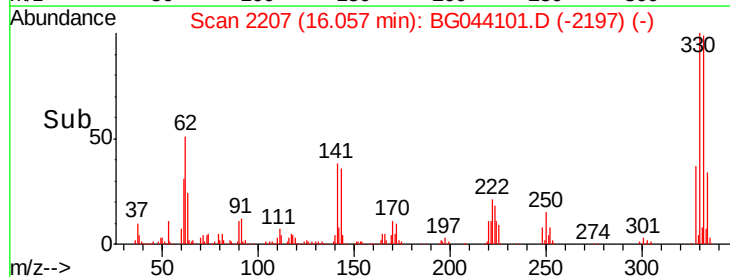
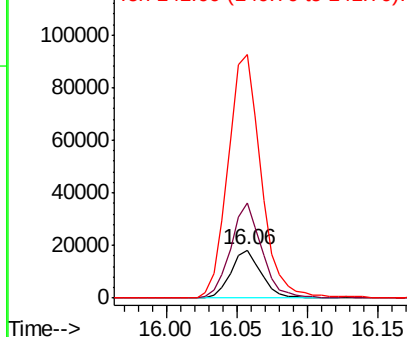


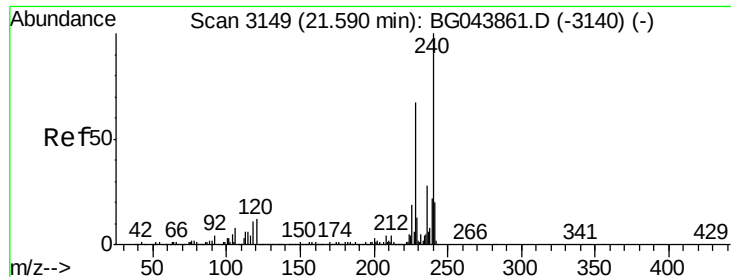
#67
 4-Bromophenyl-phenylether
 Concen: 4.939 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.47 min
 Lab File: BG044101.D
 Acq: 20 Jan 2020 17:04

Tgt Ion:248 Resp: 27473
 Ion Ratio Lower Upper
 248 100
 250 199.0 78.2 117.2#
 141 509.1 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

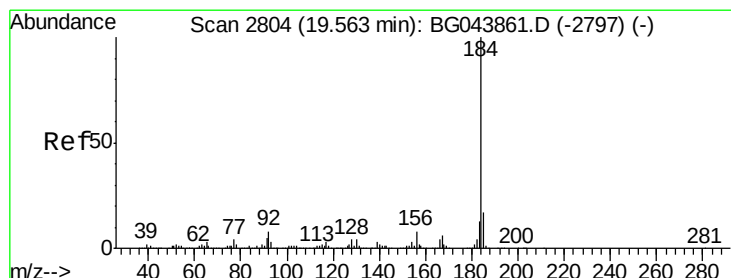
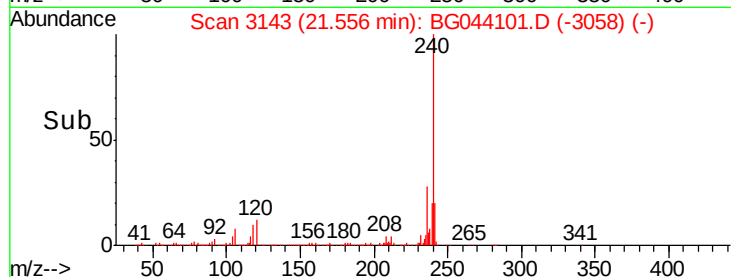
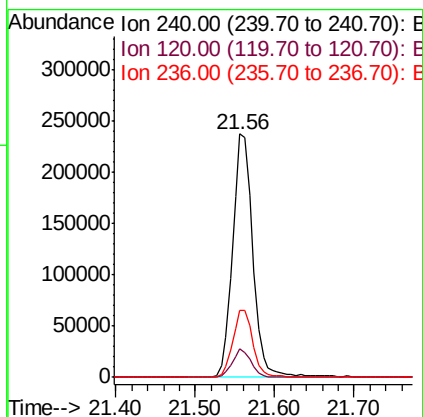
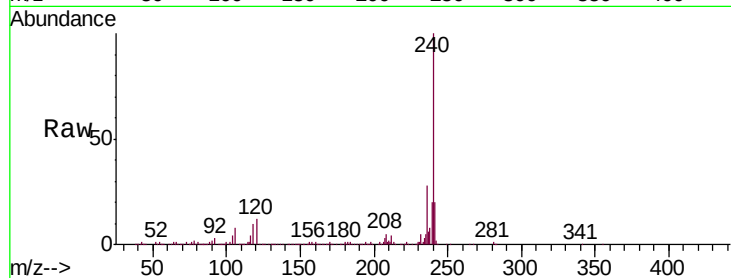




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3143
Delta R.T. -0.03 min
Lab File: BG044101.D
Acq: 20 Jan 2020 17:04

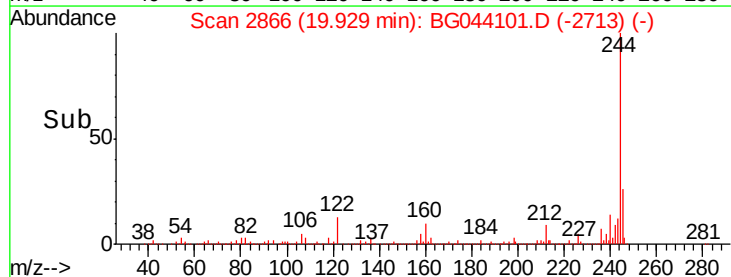
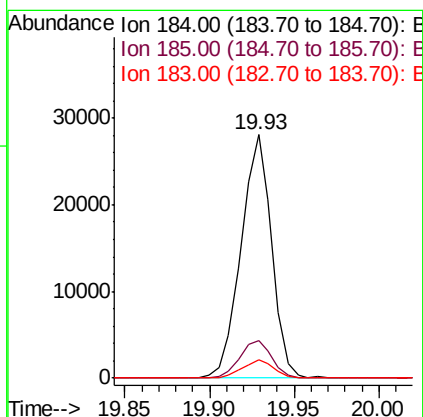
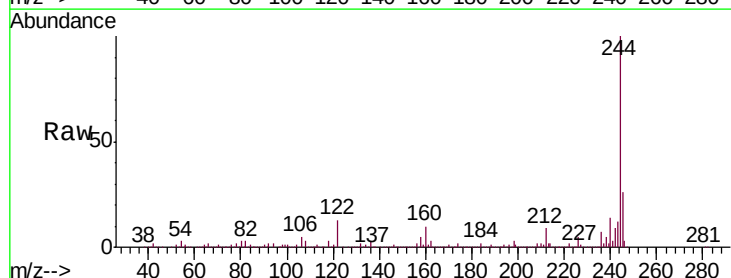
Instrument :
BNA_G
ClientSampleId :
PB126194BL

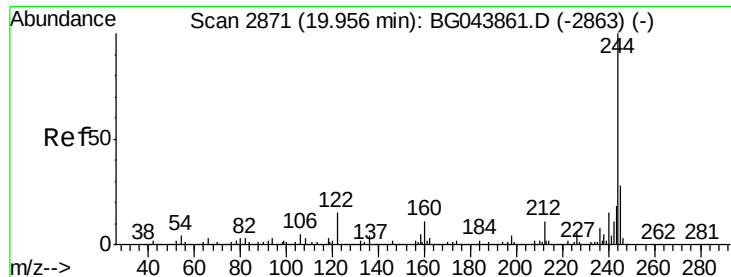
Tgt Ion:240 Resp: 419811
Ion Ratio Lower Upper
240 100
120 11.6 9.6 14.4
236 27.7 22.2 33.2



#77
Benzidine
Concen: 3.342 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.37 min
Lab File: BG044101.D
Acq: 20 Jan 2020 17:04

Tgt Ion:184 Resp: 35270
Ion Ratio Lower Upper
184 100
185 15.5 13.4 20.0
183 7.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 130.817 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044101.D

Acq: 20 Jan 2020 17:04

Instrument :

BNA_G

ClientSampleId :

PB126194BL

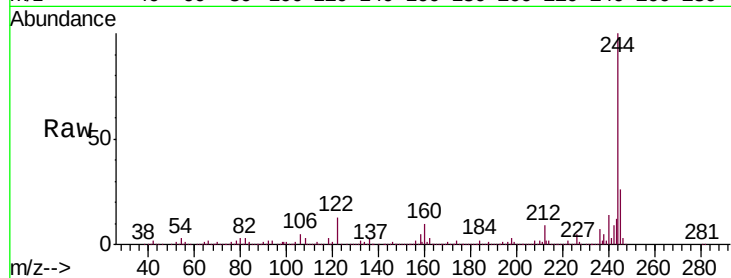
Tgt Ion:244 Resp: 1995763

Ion Ratio Lower Upper

244 100

212 9.4 8.6 13.0

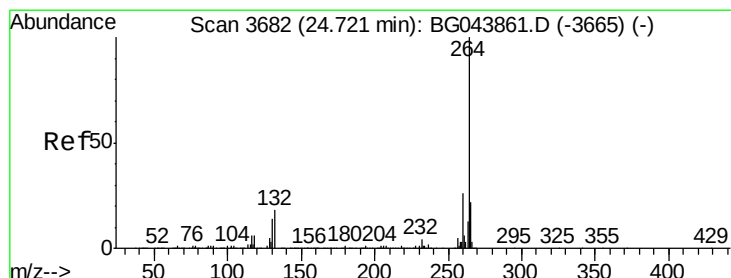
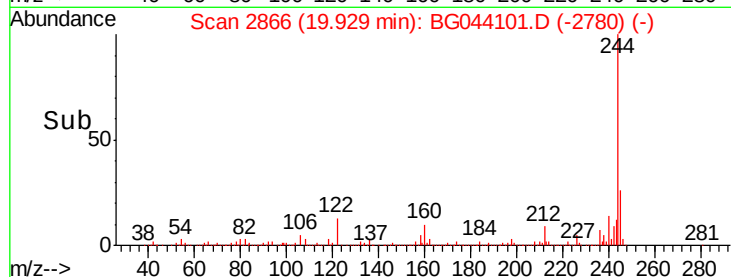
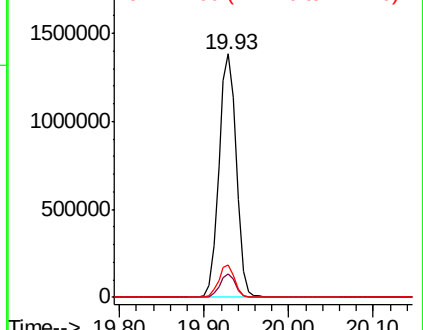
122 13.3 11.9 17.9



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: 24.67 min Scan# 3673

Delta R.T. -0.05 min

Lab File: BG044101.D

Acq: 20 Jan 2020 17:04

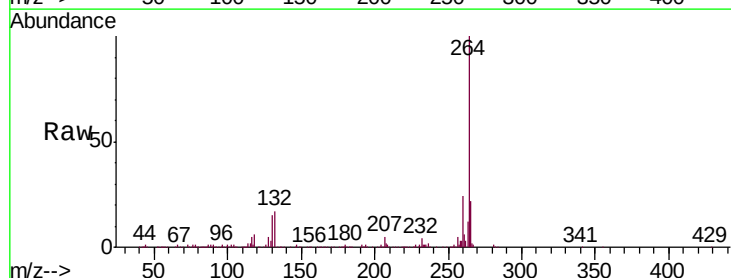
Tgt Ion:264 Resp: 460732

Ion Ratio Lower Upper

264 100

260 24.0 20.4 30.6

265 21.6 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

