

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\
 Data File : BG044125.D
 Acq On : 21 Jan 2020 9:32
 Operator : JU
 Sample : PB126194BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB126194BL

Quant Time: Jan 21 10:19:24 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

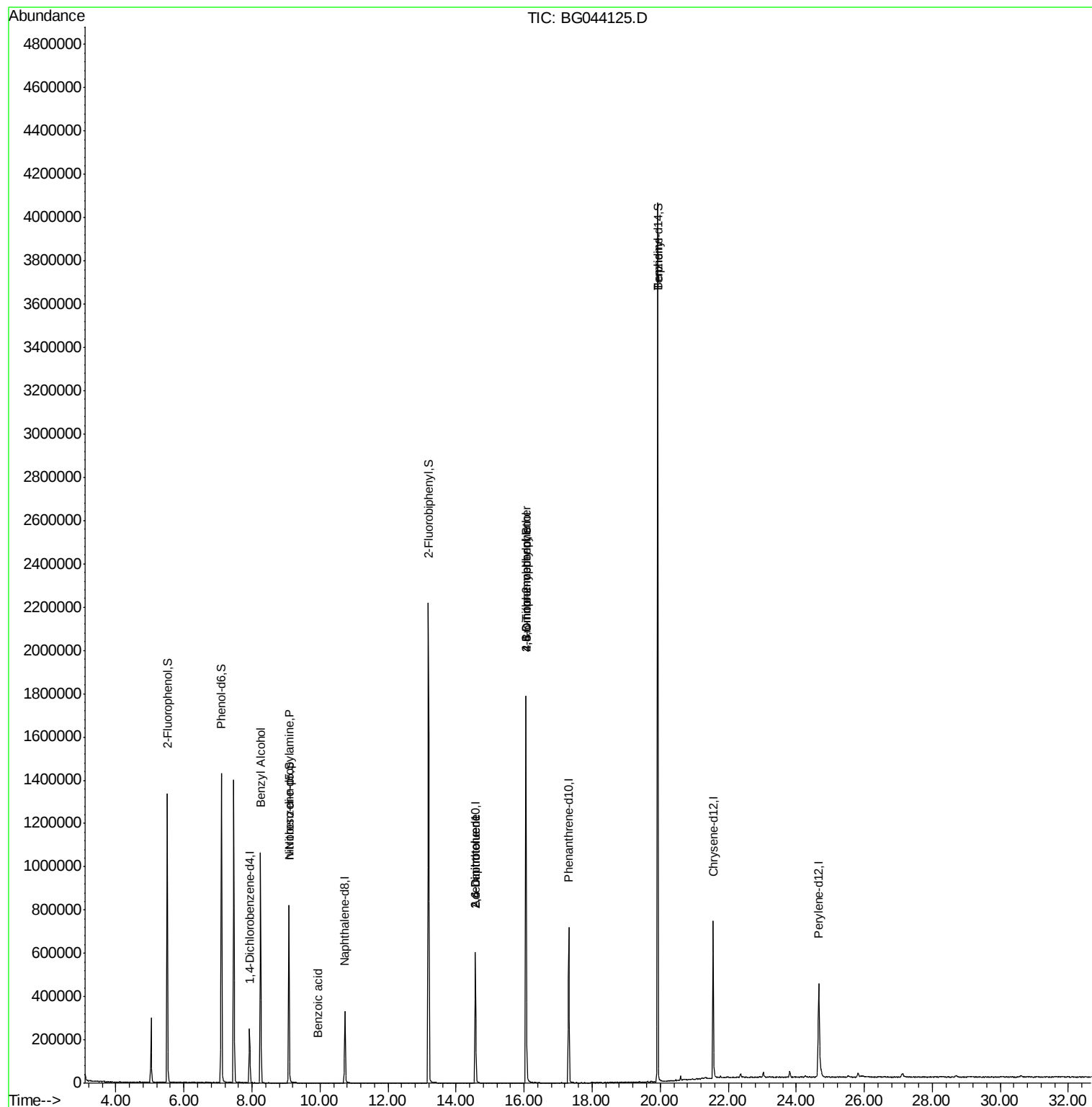
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	73665	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	322172	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	230686	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	483840	20.00	ng	-0.02
76) Chrysene-d12	21.55	240	419100	20.00	ng	-0.04
87) Perylene-d12	24.66	264	455026	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	645306	160.84	ng	-0.03
7) Phenol-d6	7.10	99	907033	161.74	ng	-0.02
23) Nitrobenzene-d5	9.09	82	522504	86.76	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	360864	149.48	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1256417	98.68	ng	-0.04
79) Terphenyl-d14	19.93	244	1865593	118.28	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	8.25	79	8887	2.01	ng	# 42
19) n-Nitroso-di-n-propylamine	9.09	70	67820	16.24	ng	# 79
32) Benzoic acid	9.94	122	57	6.28	ng	# 1
51) 2,6-Dinitrotoluene	14.56	165	29875	8.07	ng	# 26
57) 2,4-Dinitrotoluene	14.56	165	29872	5.93	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.05	198	890	4.71	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	25390	4.67	ng	# 1
77) Benzidine	19.93	184	32767	3.11	ng	# 93

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

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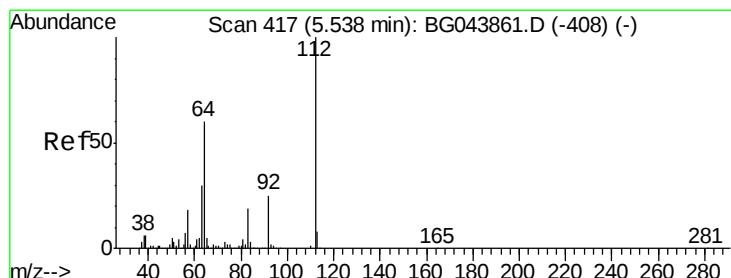
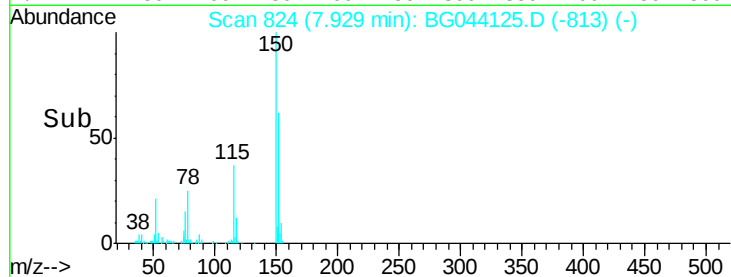
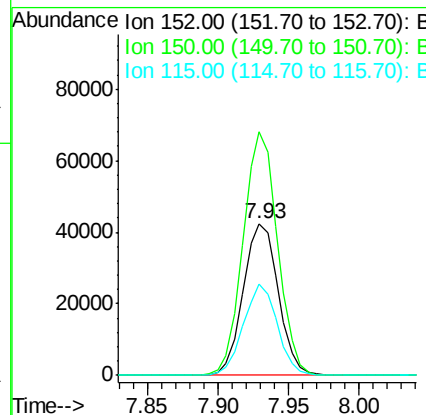
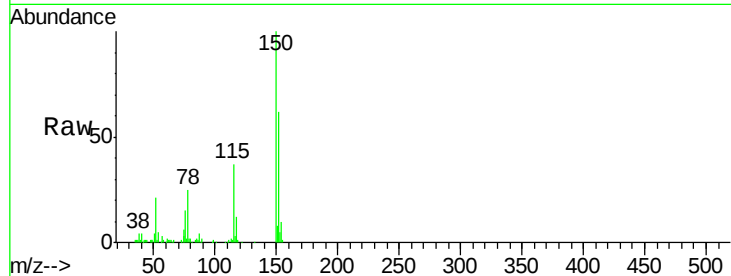


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044125.D
Acq: 21 Jan 2020 9:32

Instrument :
BNA_G
ClientSampleId :
PB126194BL

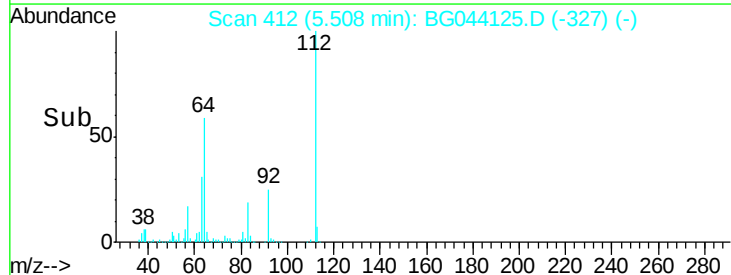
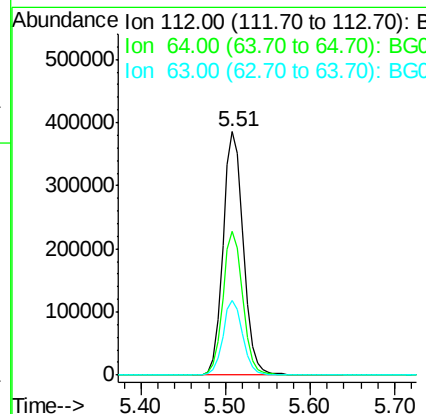
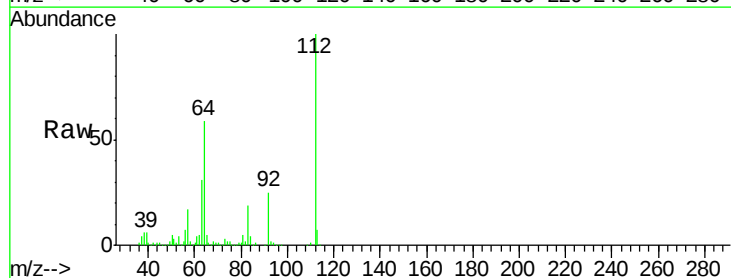
Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.2	127.0	190.4
115	59.9	47.8	71.8

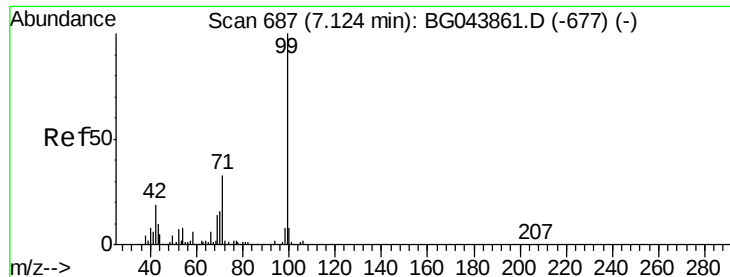


#5

2-Fluorophenol
Concen: 160.84 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044125.D
Acq: 21 Jan 2020 9:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.8	71.6
63	30.6	24.3	36.5





#7

Phenol-d6

Concen: 161.74 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044125.D

Acq: 21 Jan 2020 9:32

Instrument :

BNA_G

ClientSampleId :

PB126194BL

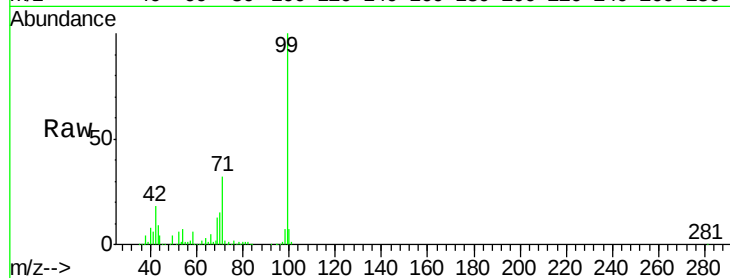
Tgt Ion: 99 Resp: 907033

Ion Ratio Lower Upper

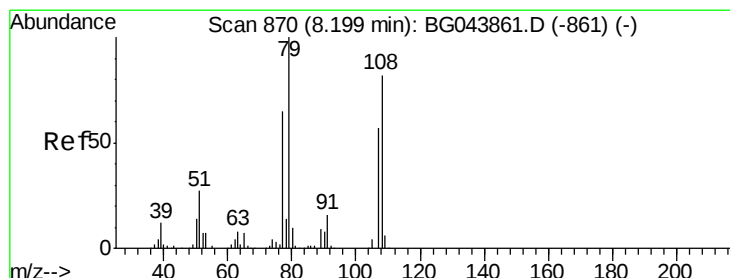
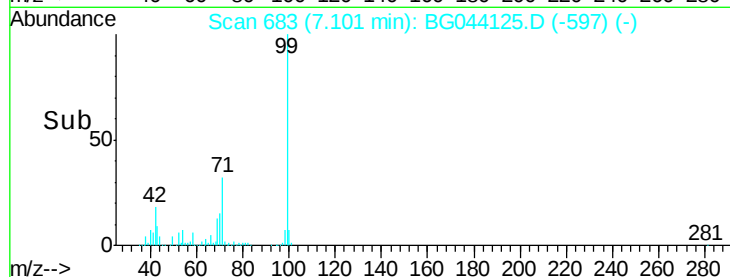
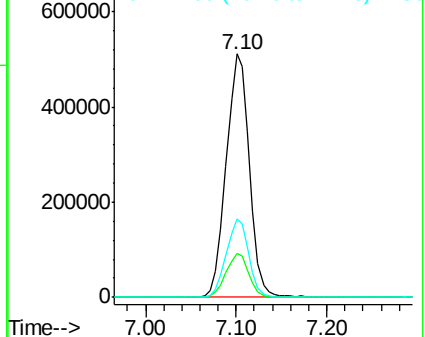
99 100

42 18.3 14.9 22.3

71 32.4 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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 8.25 min Scan# 879

Delta R.T. 0.05 min

Lab File: BG044125.D

Acq: 21 Jan 2020 9:32

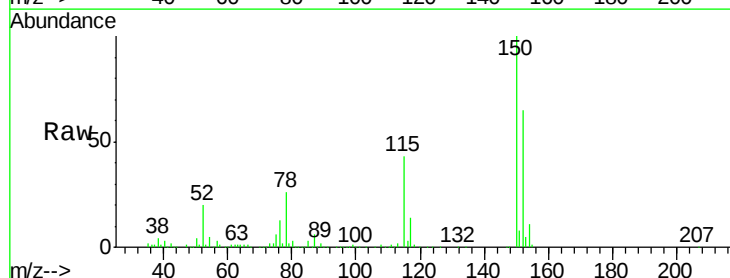
Tgt Ion: 79 Resp: 8887

Ion Ratio Lower Upper

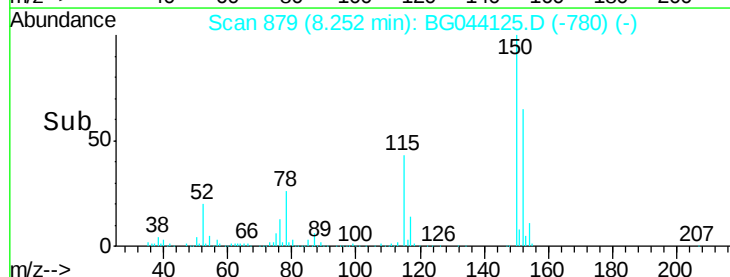
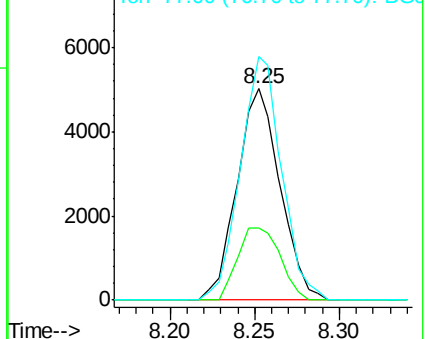
79 100

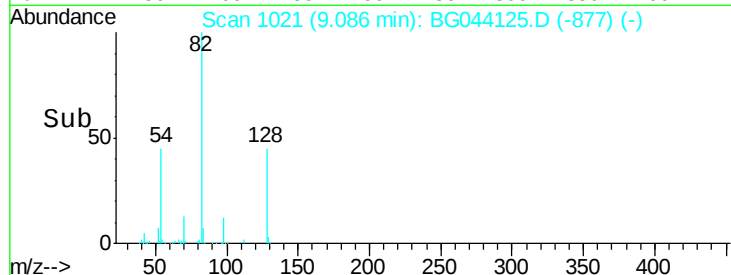
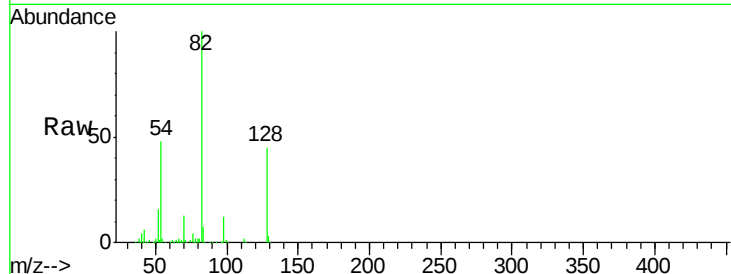
108 34.3 65.6 98.4#

77 115.2 52.0 78.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

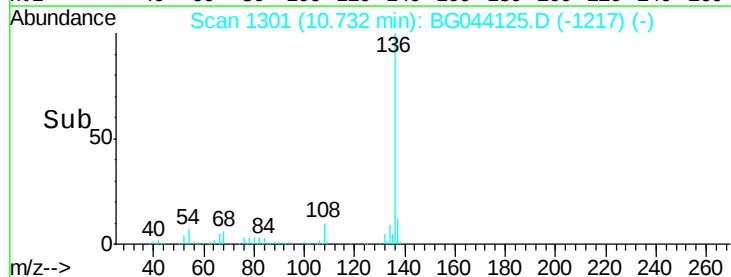
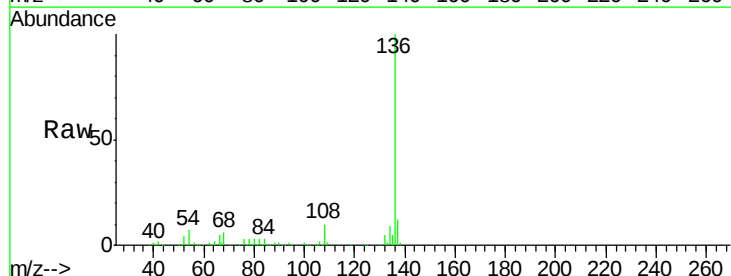
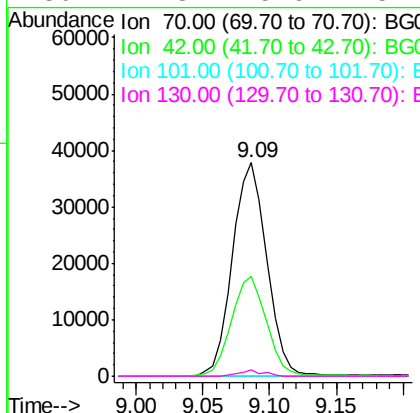




#19
n-Nitroso-di-n-propylamine
Concen: 16.24 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044125.D
Acq: 21 Jan 2020 9:32

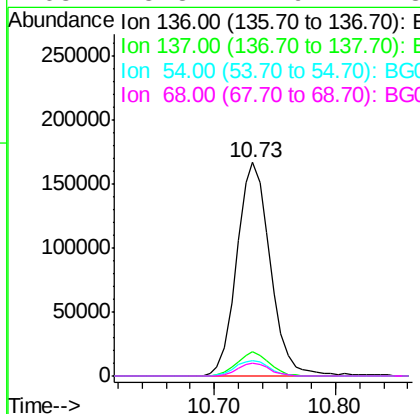
Instrument :
BNA_G
ClientSampleId :
PB126194BL

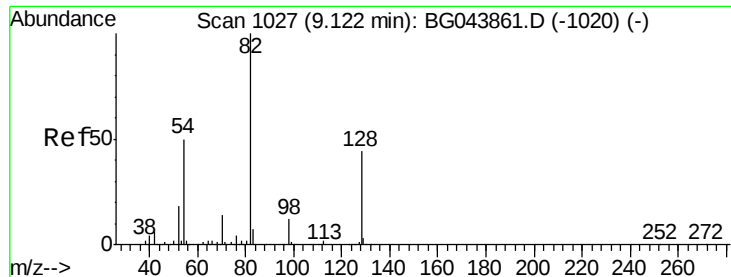
Tgt Ion: 70 Resp: 67820
Ion Ratio Lower Upper
70 100
42 47.0 47.0 70.4#
101 0.0 7.2 10.8#
130 2.8 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044125.D
Acq: 21 Jan 2020 9:32

Tgt Ion: 136 Resp: 322172
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 7.3 7.0 10.4
68 5.8 4.9 7.3

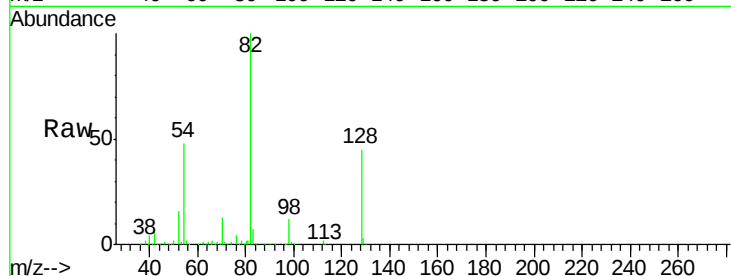




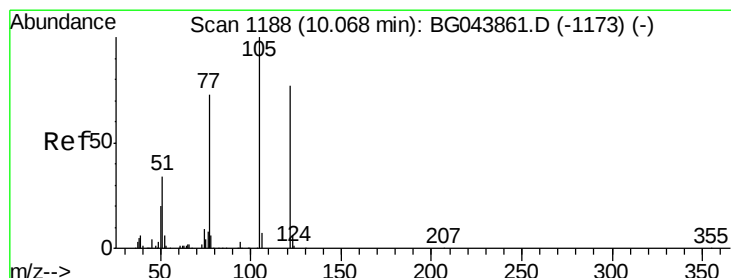
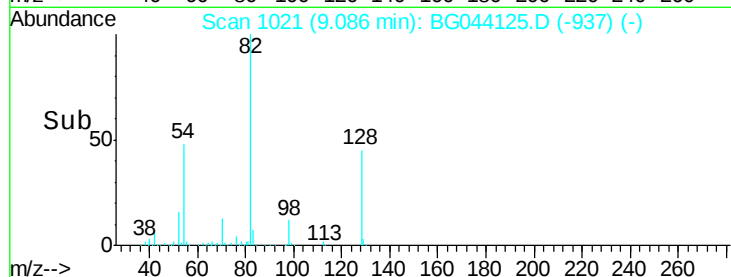
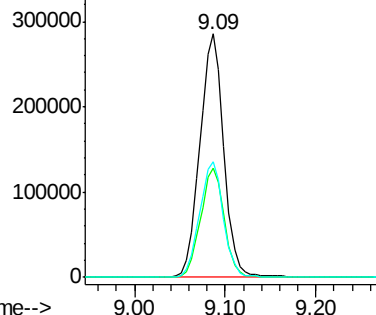
#23
Nitrobenzene-d5
Concen: 86.76 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.04 min
Lab File: BG044125.D
Acq: 21 Jan 2020 9:32

Instrument :
BNA_G
ClientSampleId :
PB126194BL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.1	52.7
54	47.5	40.1	60.1

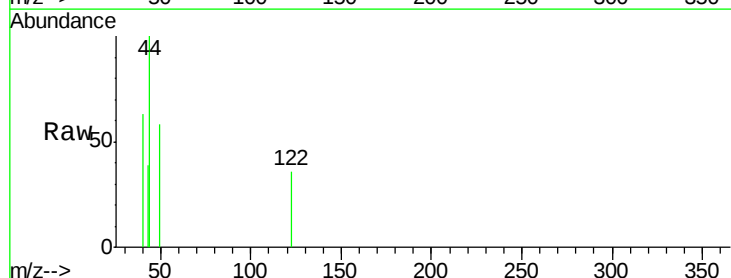


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

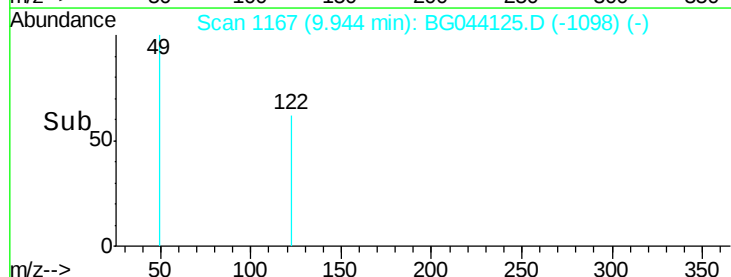
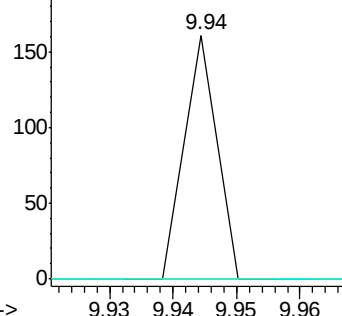


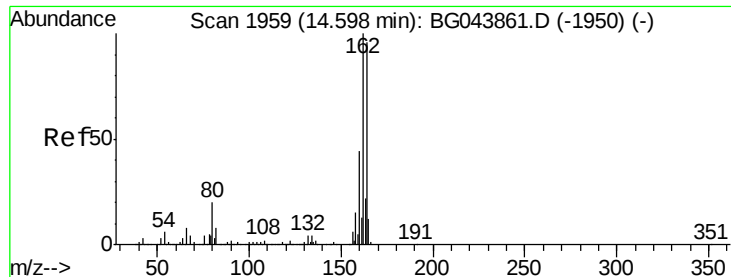
#32
Benzoic acid
Concen: 6.28 ng
RT: 9.94 min Scan# 1167
Delta R.T. -0.12 min
Lab File: BG044125.D
Acq: 21 Jan 2020 9:32

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



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044125.D

Acq: 21 Jan 2020 9:32

Instrument :

BNA_G

ClientSampleId :

PB126194BL

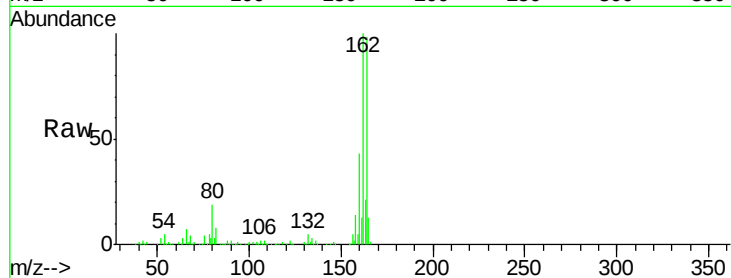
Tgt Ion:164 Resp: 230686

Ion Ratio Lower Upper

164 100

162 102.2 83.0 124.4

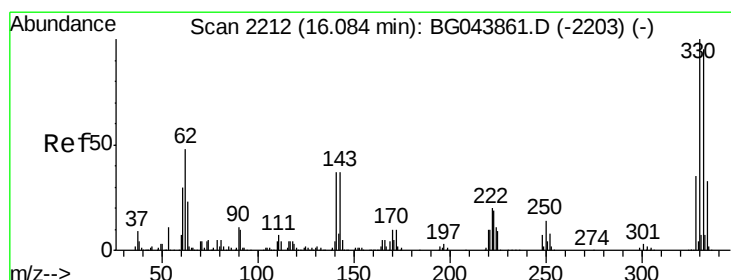
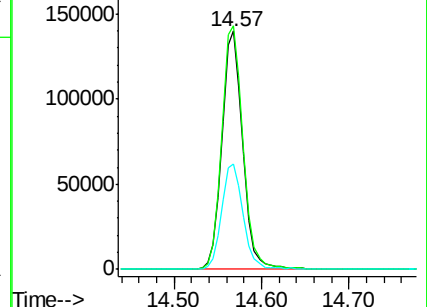
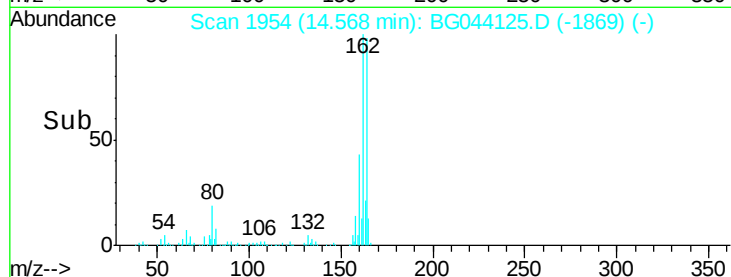
160 44.1 36.1 54.1



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: 149.48 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044125.D

Acq: 21 Jan 2020 9:32

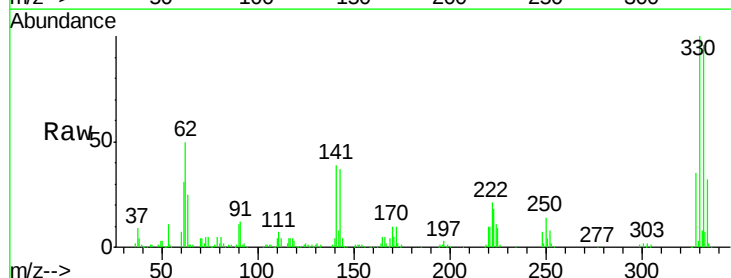
Tgt Ion:330 Resp: 360864

Ion Ratio Lower Upper

330 100

332 94.9 77.2 115.8

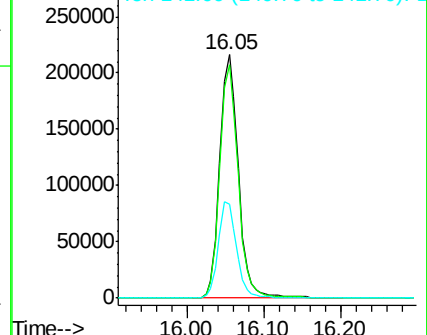
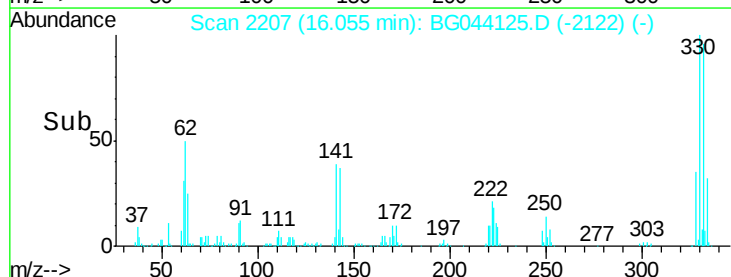
141 38.7 33.1 49.7

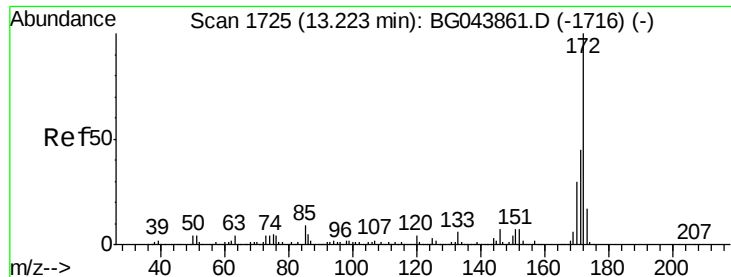


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

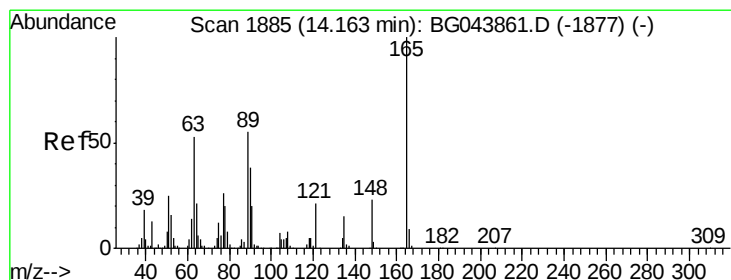
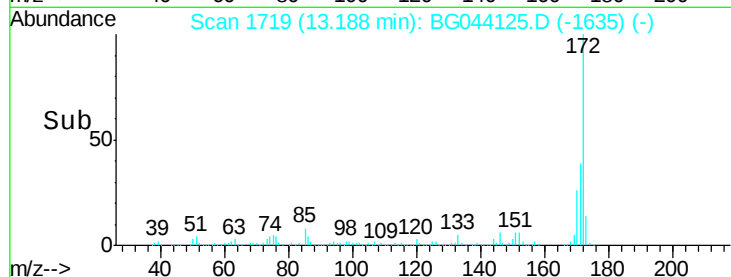
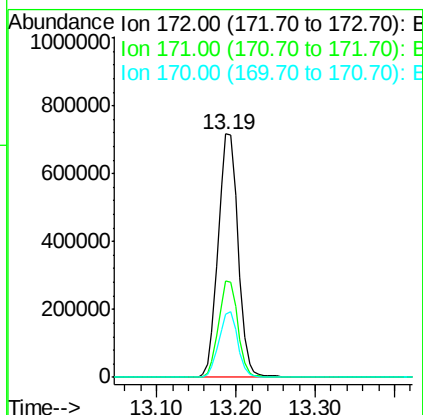
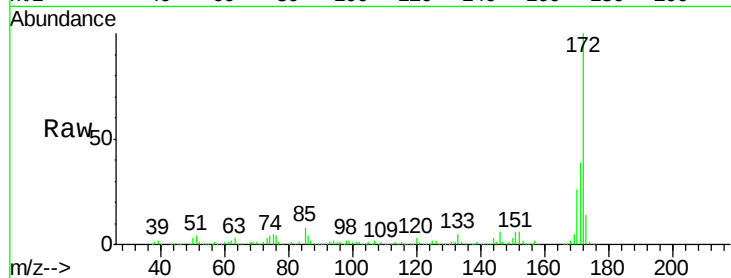




#45
 2-Fluorobiphenyl
 Concen: 98.68 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.04 min
 Lab File: BG044125.D
 Acq: 21 Jan 2020 9:32

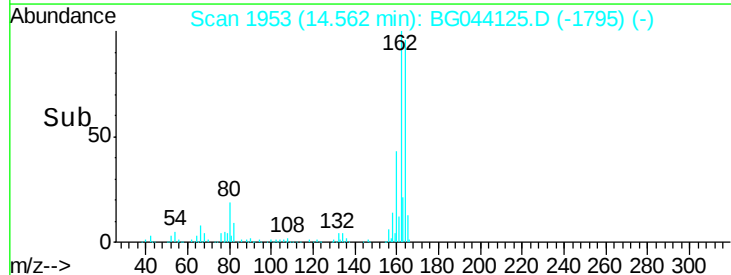
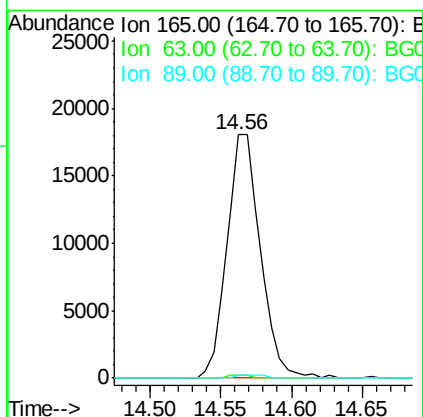
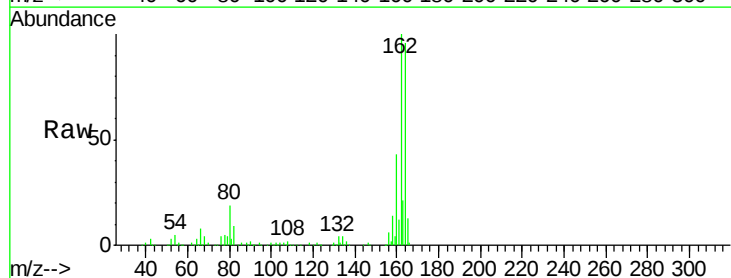
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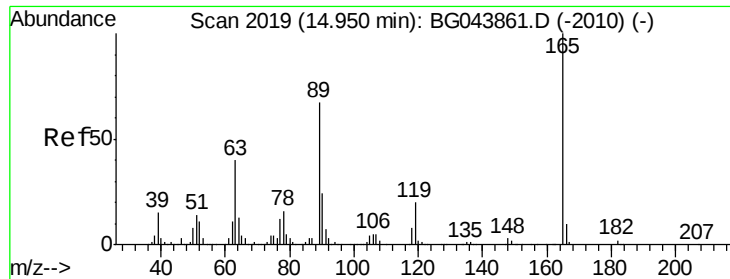
Tgt Ion:172 Resp: 1256417
 Ion Ratio Lower Upper
 172 100
 171 39.5 35.8 53.8
 170 26.2 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.07 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.40 min
 Lab File: BG044125.D
 Acq: 21 Jan 2020 9:32

Tgt Ion:165 Resp: 29875
 Ion Ratio Lower Upper
 165 100
 63 1.0 43.1 64.7#
 89 1.1 43.8 65.6#

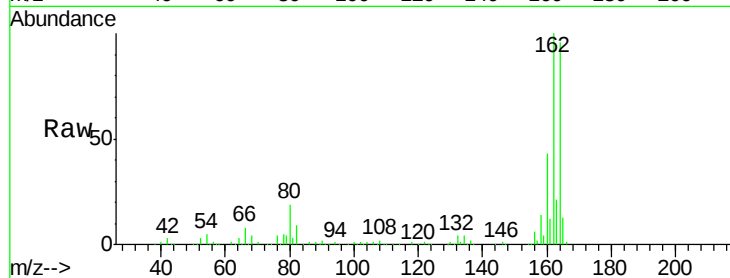




#57
 2,4-Dinitrotoluene
 Concen: 5.93 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044125.D
 Acq: 21 Jan 2020 9:32

Instrument :
 BNA_G
 ClientSampleId :
 PB126194BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.9	47.9#
89	1.1	53.8	80.6#
182	0.0	2.0	3.0#

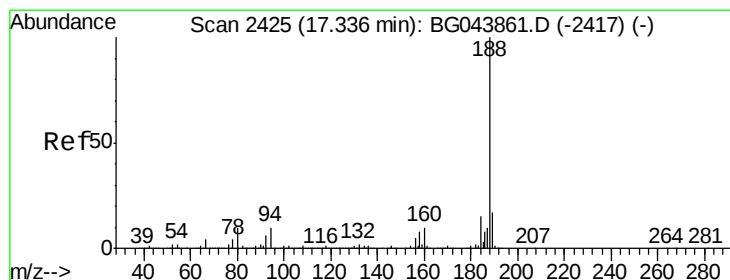
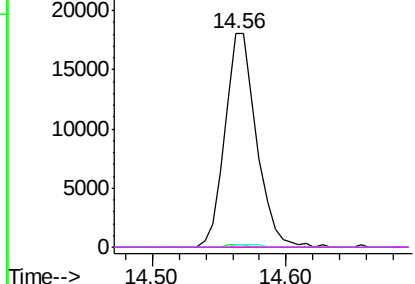
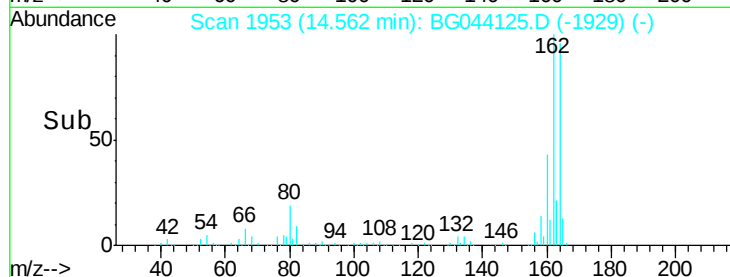


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

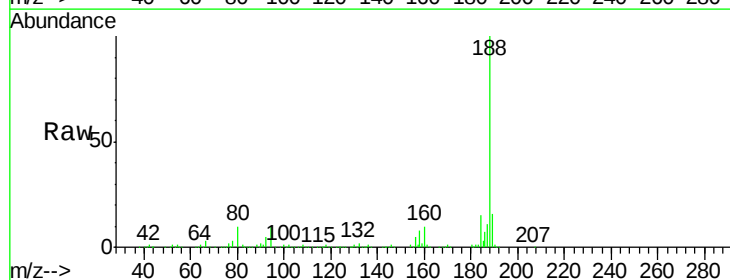
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.31 min Scan# 2421
 Delta R.T. -0.02 min
 Lab File: BG044125.D
 Acq: 21 Jan 2020 9:32

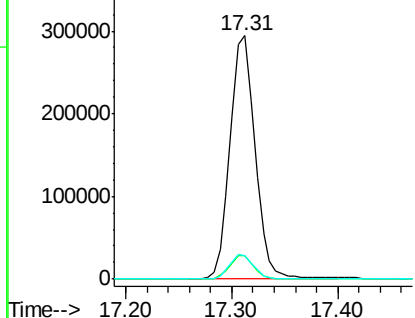
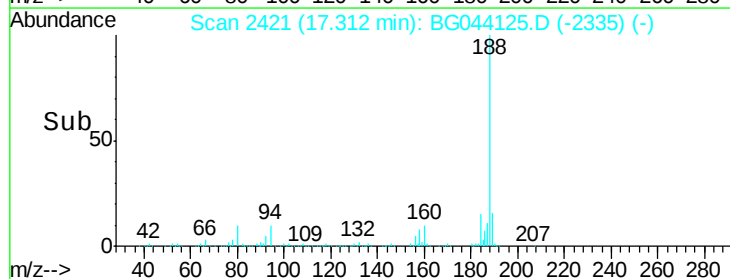
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.9	11.9
80	9.8	8.2	12.4

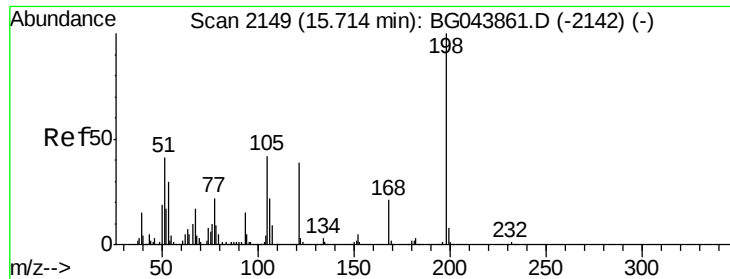


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

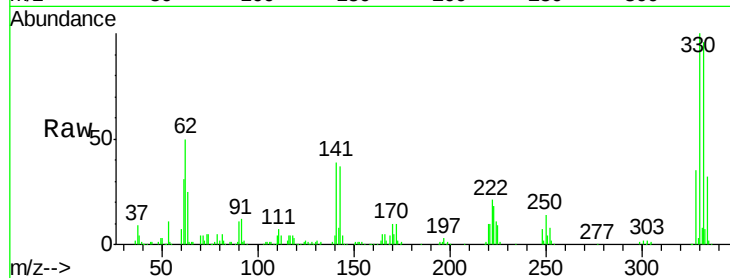




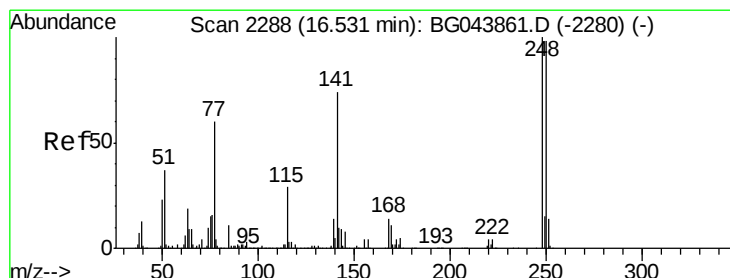
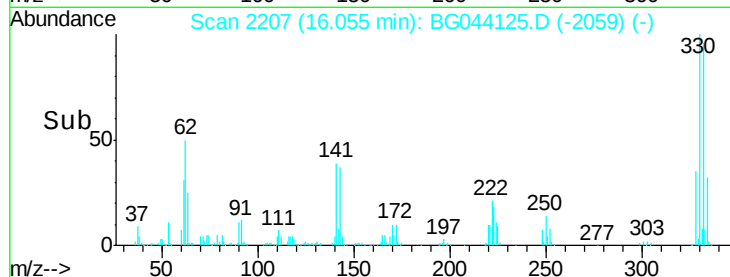
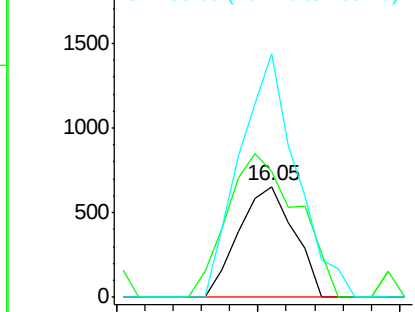
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.71 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. 0.34 min
 Lab File: BG044125.D
 Acq: 21 Jan 2020 9:32

Instrument :
 BNA_G
 ClientSampleId :
 PB126194BL

Tgt Ion:198 Resp: 890
 Ion Ratio Lower Upper
 198 100
 51 113.5 22.5 62.5#
 105 219.7 22.3 62.3#

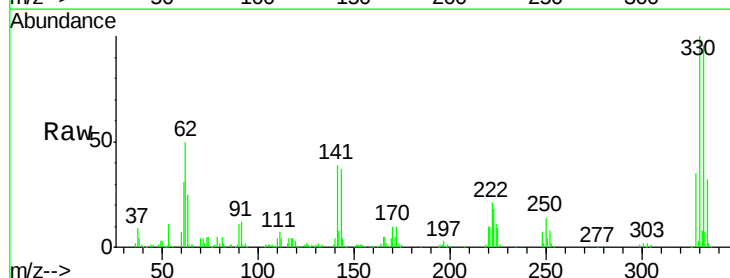


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

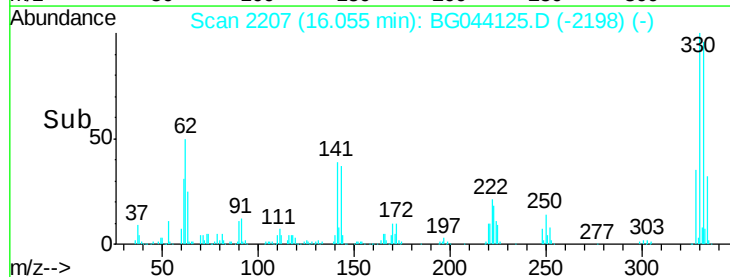
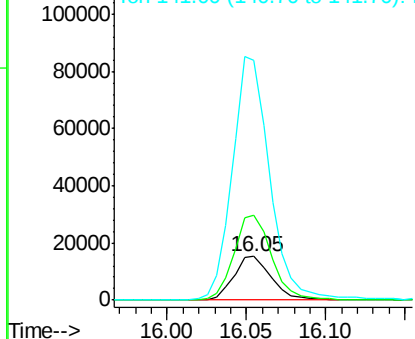


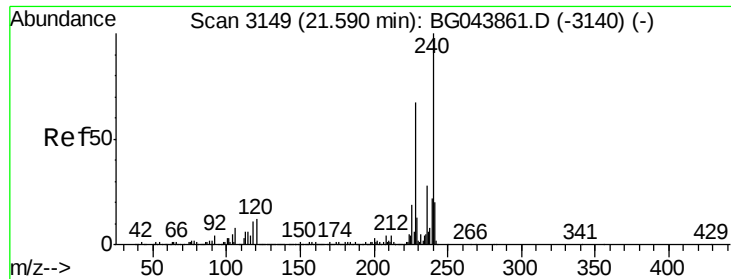
#67
 4-Bromophenyl-phenylether
 Concen: 4.67 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044125.D
 Acq: 21 Jan 2020 9:32

Tgt Ion:248 Resp: 25390
 Ion Ratio Lower Upper
 248 100
 250 194.0 78.2 117.2#
 141 547.8 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

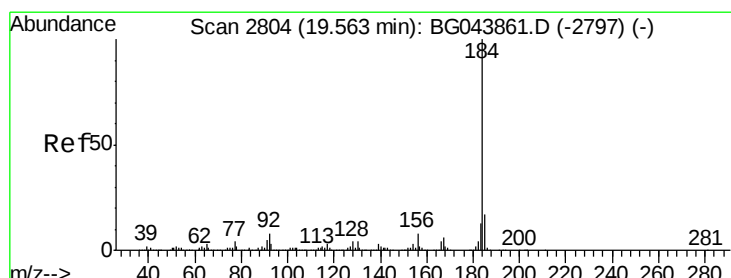
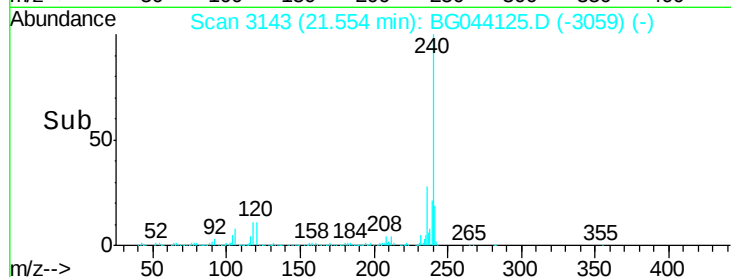
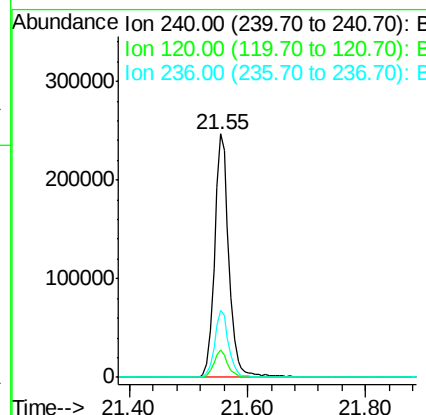
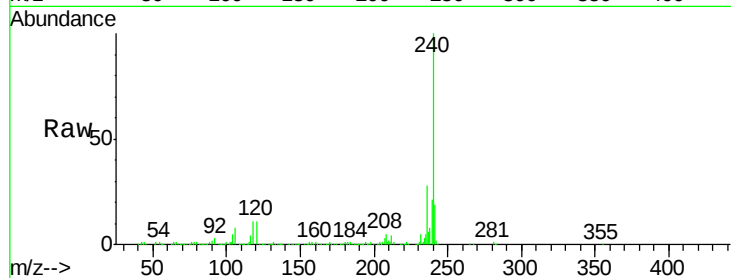




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.04 min
Lab File: BG044125.D
Acq: 21 Jan 2020 9:32

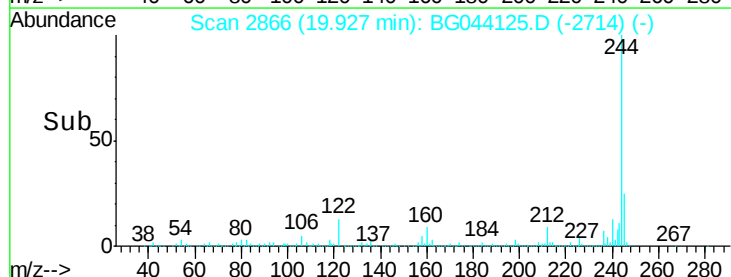
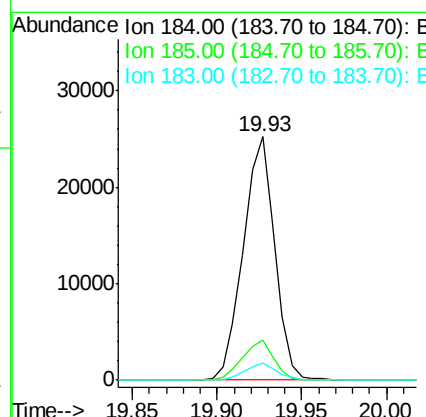
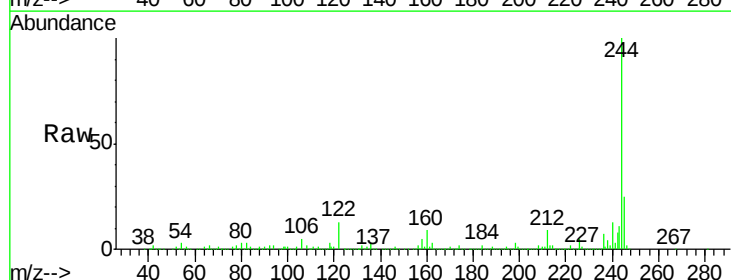
Instrument :
BNA_G
ClientSampleId :
PB126194BL

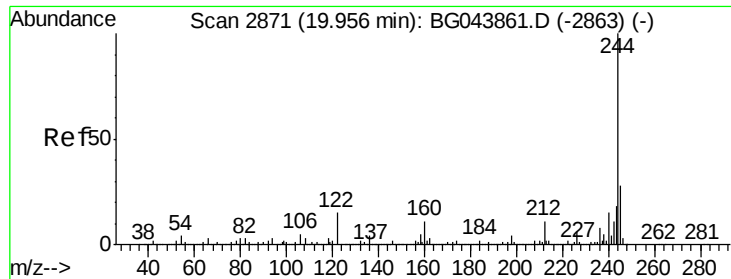
Tgt Ion:240 Resp: 419100
Ion Ratio Lower Upper
240 100
120 11.2 9.6 14.4
236 27.6 22.2 33.2



#77
Benzidine
Concen: 3.11 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.36 min
Lab File: BG044125.D
Acq: 21 Jan 2020 9:32

Tgt Ion:184 Resp: 32767
Ion Ratio Lower Upper
184 100
185 16.6 13.4 20.0
183 7.2 10.6 15.8#





#79

Terphenyl-d14

Concen: 118.28 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044125.D

Acq: 21 Jan 2020 9:32

Instrument :

BNA_G

ClientSampleId :

PB126194BL

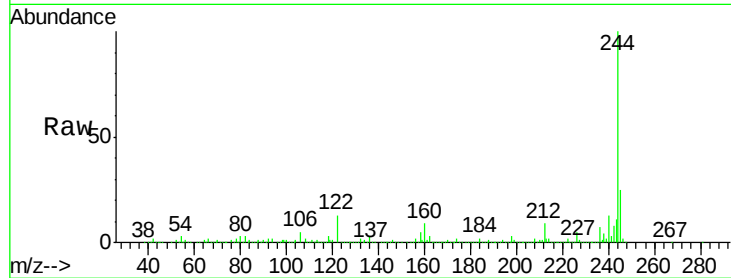
Tgt Ion:244 Resp: 1865593

Ion Ratio Lower Upper

244 100

212 9.2 8.6 13.0

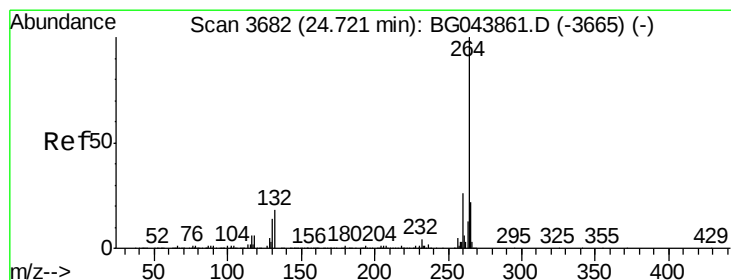
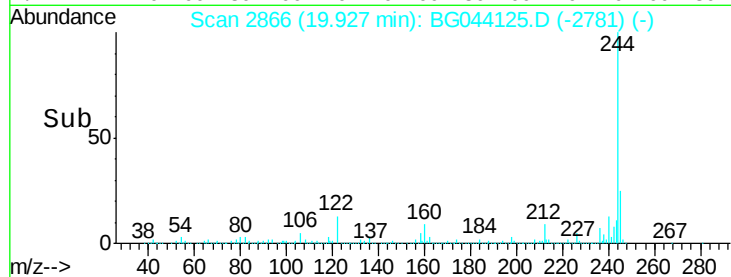
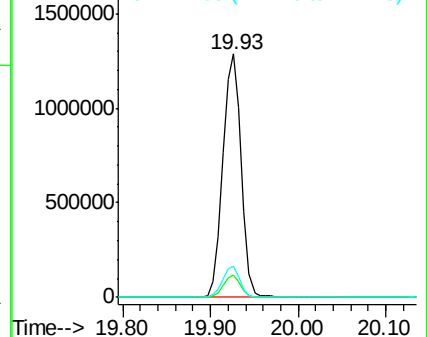
122 13.0 11.9 17.9



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: 20.00 ng

RT: 24.66 min Scan# 3672

Delta R.T. -0.06 min

Lab File: BG044125.D

Acq: 21 Jan 2020 9:32

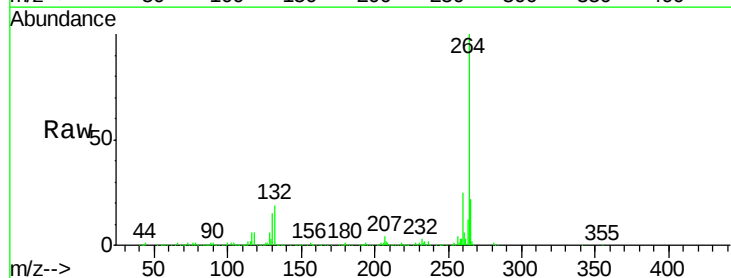
Tgt Ion:264 Resp: 455026

Ion Ratio Lower Upper

264 100

260 25.5 20.4 30.6

265 22.5 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

