

Data File : BG044000.D
Acq On : 10 Jan 2020 13:39
Operator : JU
Sample : PB126006BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126006BL

Quant Time: Jan 11 04:12:53 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

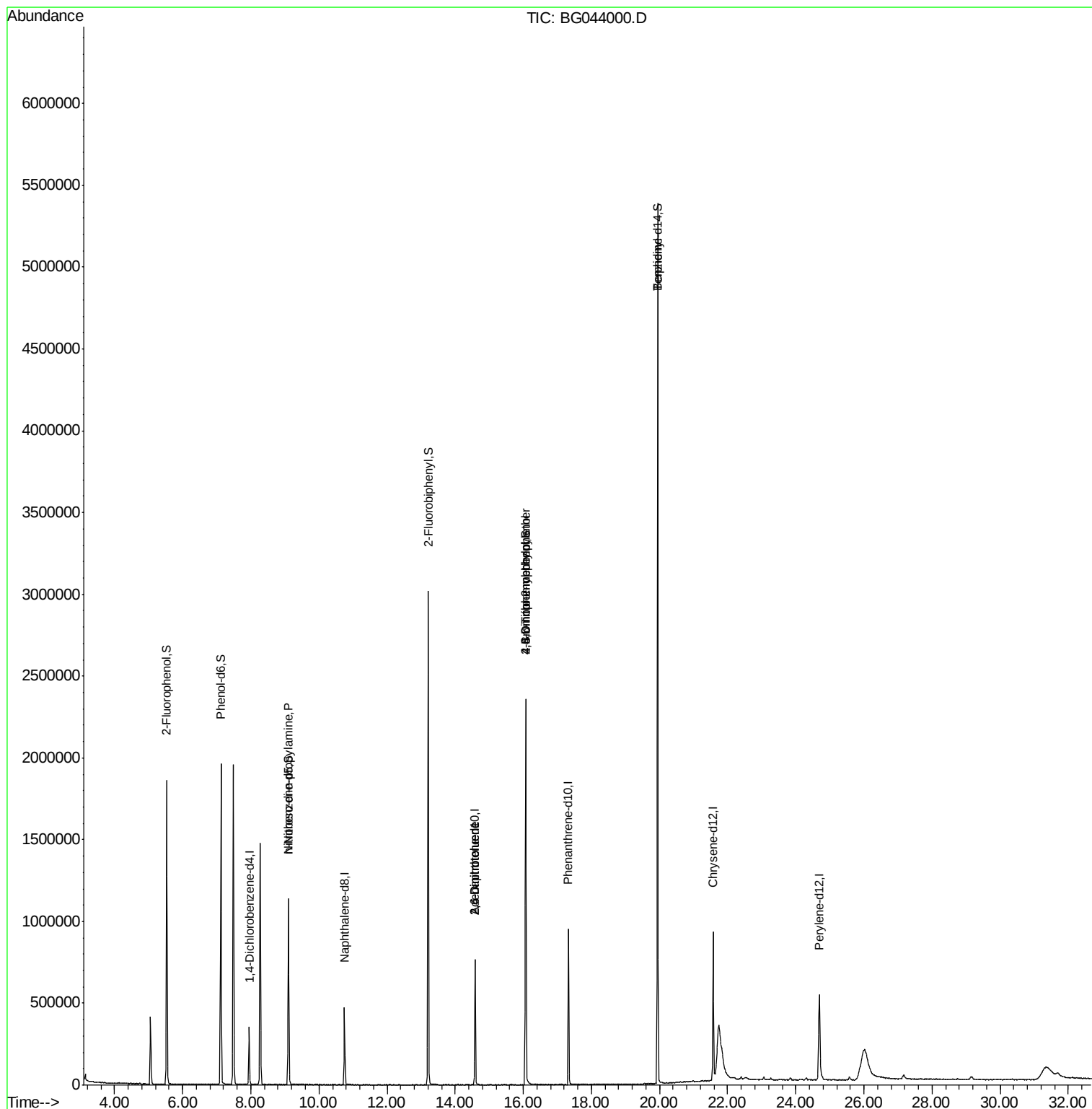
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	104492	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	427878	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	270590	20.00	ng	-0.02
64) Phenanthrene-d10	17.33	188	594390	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	519087	20.00	ng	-0.02
87) Perylene-d12	24.69	264	548958	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	890311	156.44	ng	-0.01
7) Phenol-d6	7.12	99	1229063	154.50	ng	0.00
23) Nitrobenzene-d5	9.11	82	716026	89.52	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	440088	155.42	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	1569784	105.11	ng	-0.02
79) Terphenyl-d14	19.94	244	2263938	114.74	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	94397	15.934	ng	# 81
51) 2,6-Dinitrotoluene	14.58	165	34781	8.009	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	34781	5.886	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.07	198	1486	4.831	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	31581	4.724	ng	# 1
77) Benzidine	19.94	184	42943	3.291	ng	# 93

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

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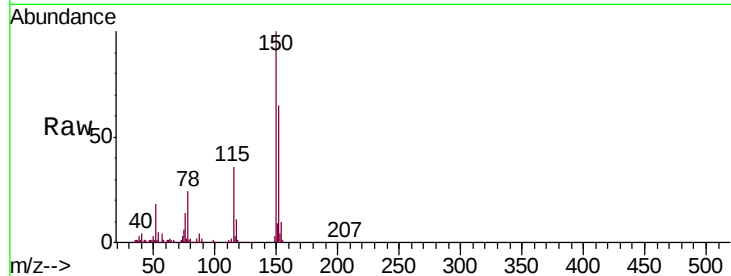


#1

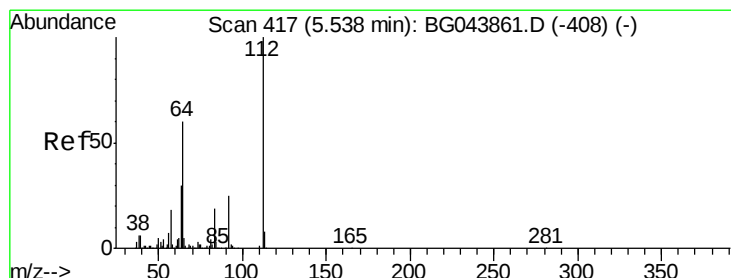
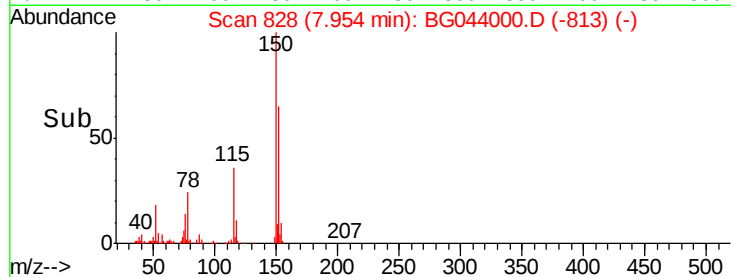
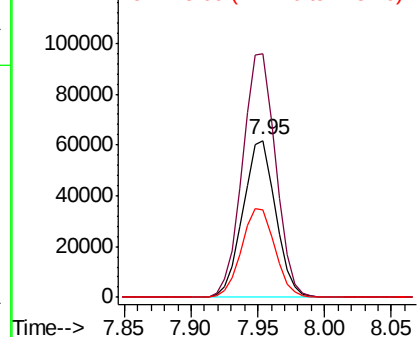
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044000.D
Acq: 10 Jan 2020 13:39

Instrument :
BNA_G
ClientSampleId :
PB126006BL

Tgt Ion:152 Resp: 104492
Ion Ratio Lower Upper
152 100
150 154.9 127.0 190.4
115 55.9 47.8 71.8



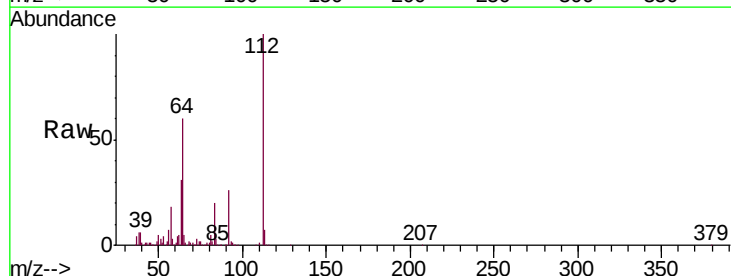
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



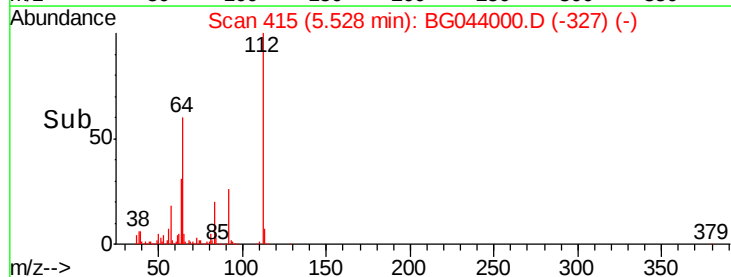
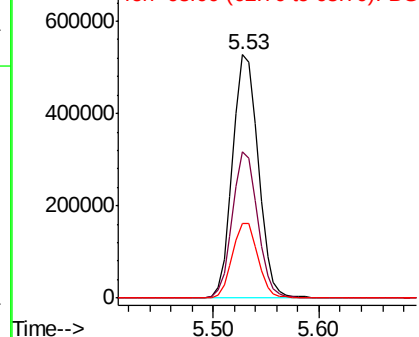
#5

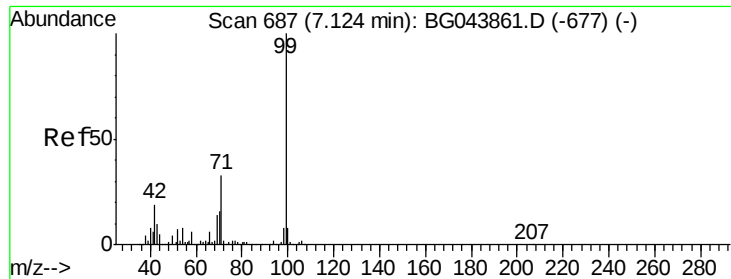
2-Fluorophenol
Concen: 156.444 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044000.D
Acq: 10 Jan 2020 13:39

Tgt Ion:112 Resp: 890311
Ion Ratio Lower Upper
112 100
64 60.2 47.8 71.6
63 30.9 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: 154.505 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044000.D

Acq: 10 Jan 2020 13:39

Instrument :

BNA_G

ClientSampleId :

PB126006BL

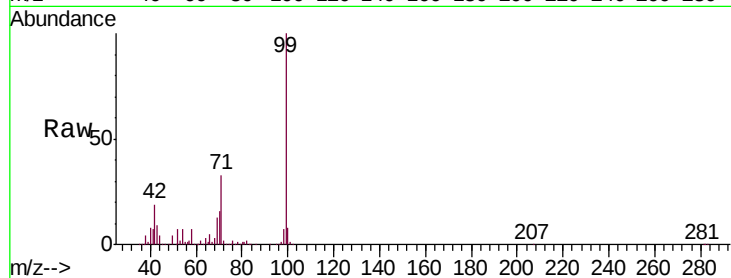
Tgt Ion: 99 Resp: 1229063

Ion Ratio Lower Upper

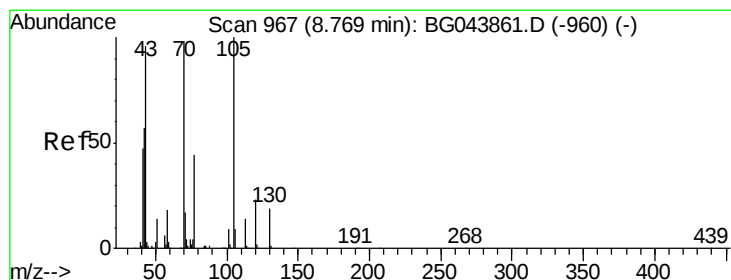
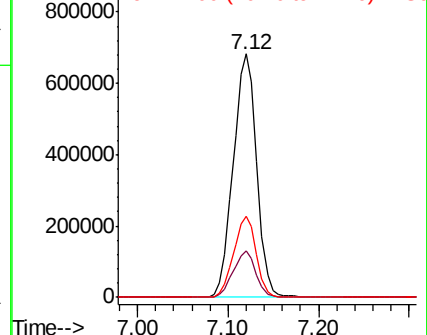
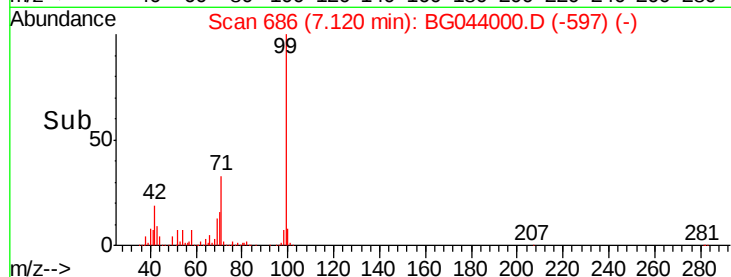
99 100

42 19.1 14.9 22.3

71 33.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.934 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG044000.D

Acq: 10 Jan 2020 13:39

Tgt Ion: 70 Resp: 94397

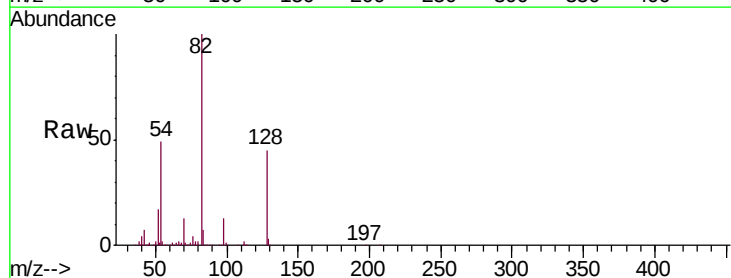
Ion Ratio Lower Upper

70 100

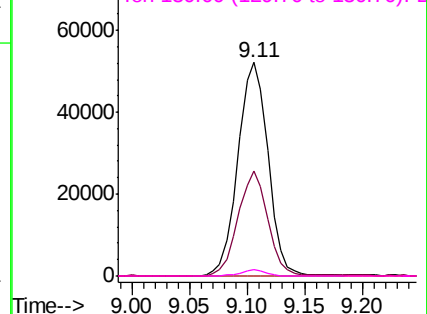
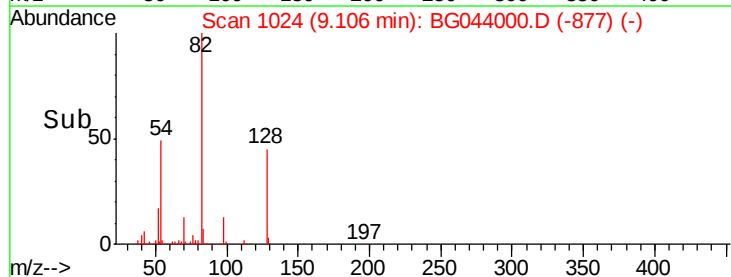
42 49.2 47.0 70.4

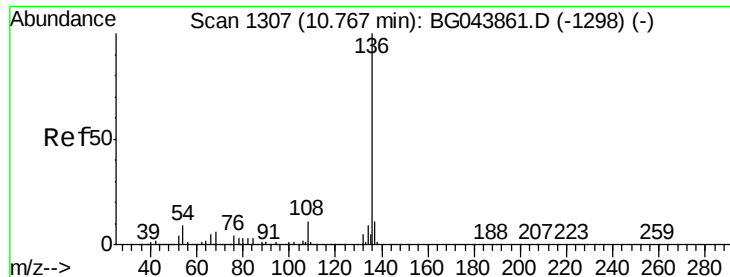
101 0.0 7.2 10.8#

130 2.8 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

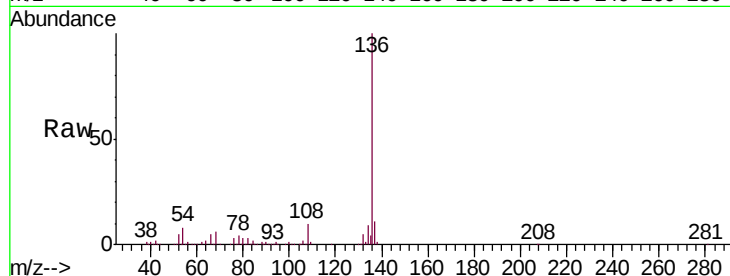




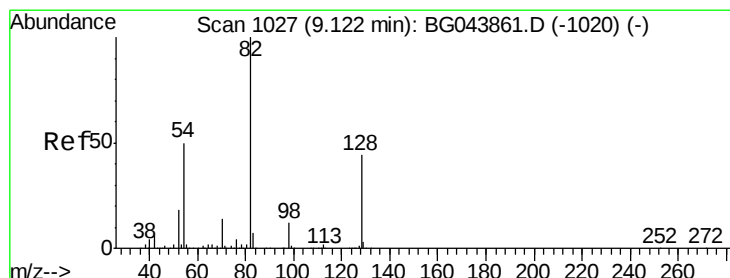
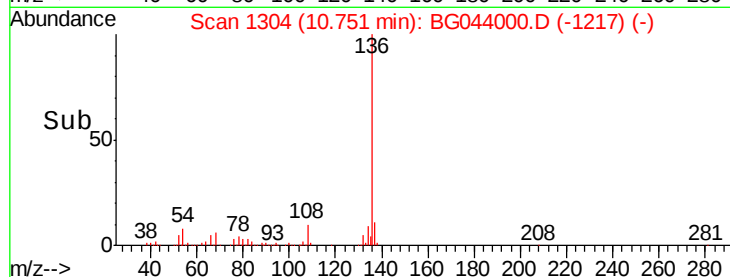
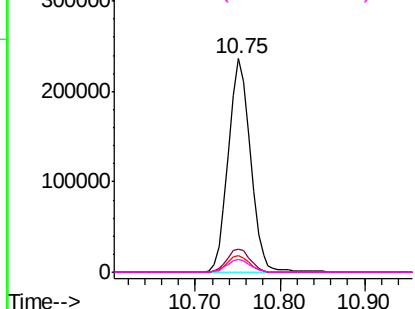
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044000.D
Acq: 10 Jan 2020 13:39

Instrument :
BNA_G
ClientSampleId :
PB126006BL

Tgt Ion:	136	Resp:	427878
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.6	7.0	10.4
68	6.0	4.9	7.3

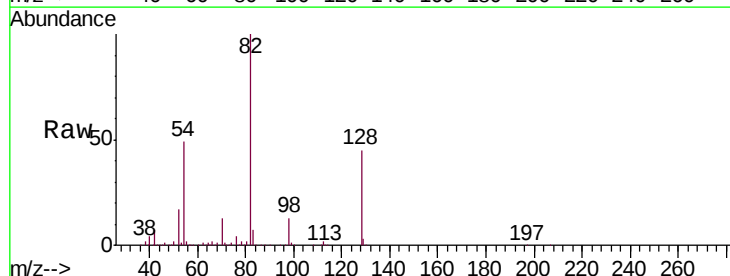


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

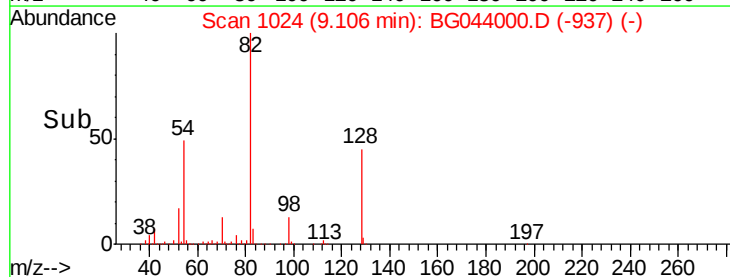
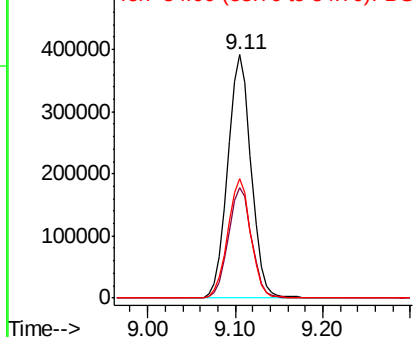


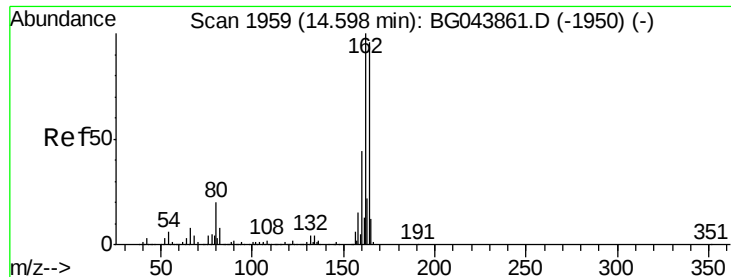
#23
Nitrobenzene-d5
Concen: 89.522 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044000.D
Acq: 10 Jan 2020 13:39

Tgt Ion:	82	Resp:	716026
Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.1	52.7
54	49.0	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BG044000.D

Acq: 10 Jan 2020 13:39

Instrument :

BNA_G

ClientSampleId :

PB126006BL

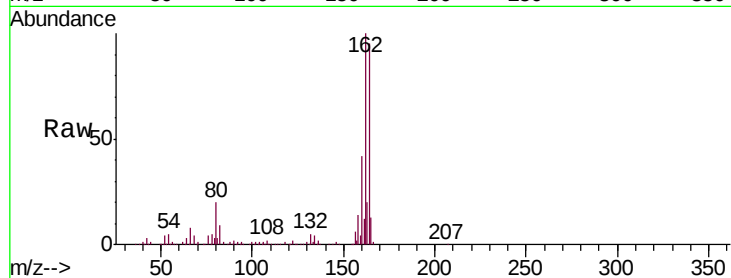
Tgt Ion:164 Resp: 270590

Ion Ratio Lower Upper

164 100

162 105.8 83.0 124.4

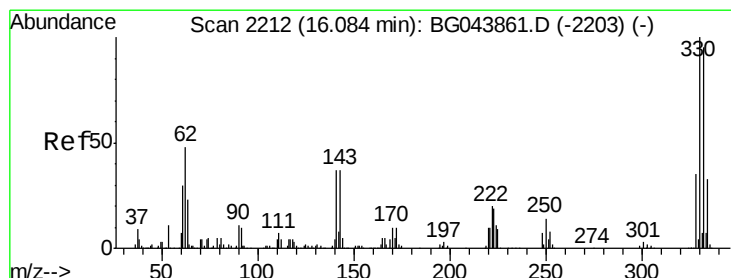
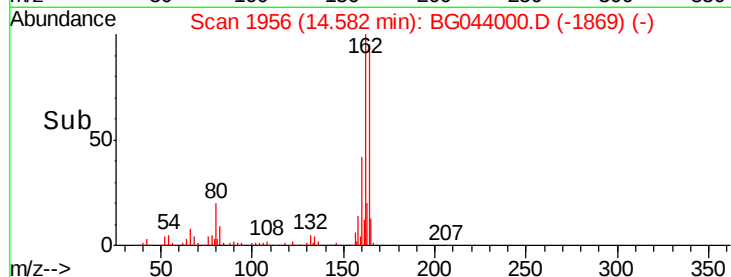
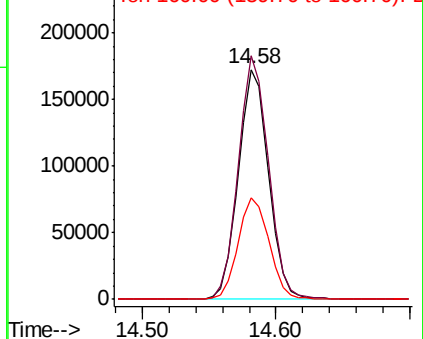
160 44.1 36.1 54.1



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: 155.416 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG044000.D

Acq: 10 Jan 2020 13:39

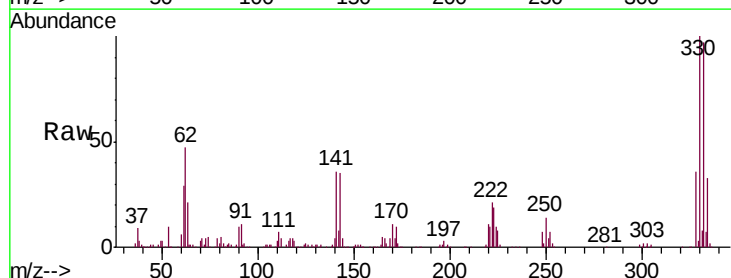
Tgt Ion:330 Resp: 440088

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

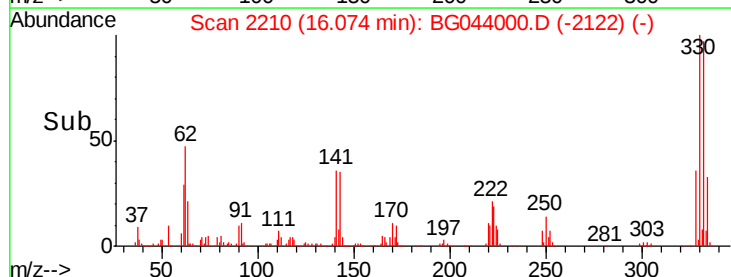
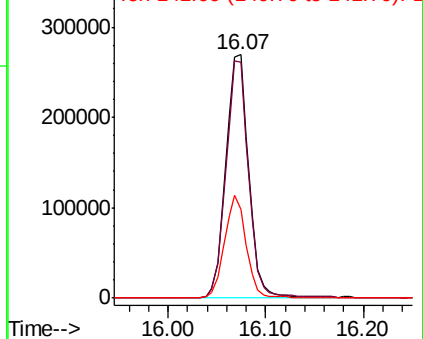
141 40.0 33.1 49.7

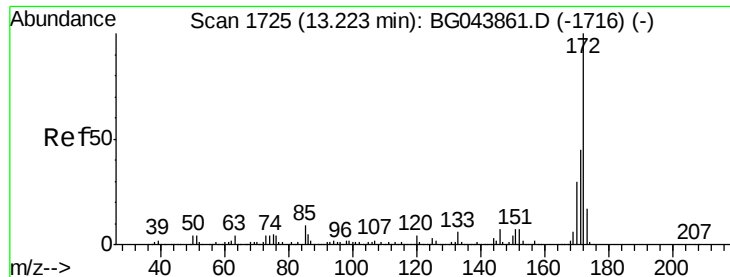


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

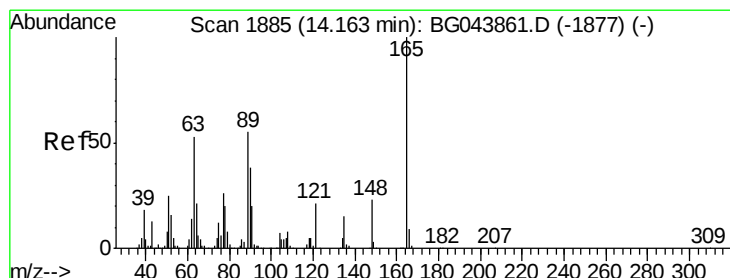
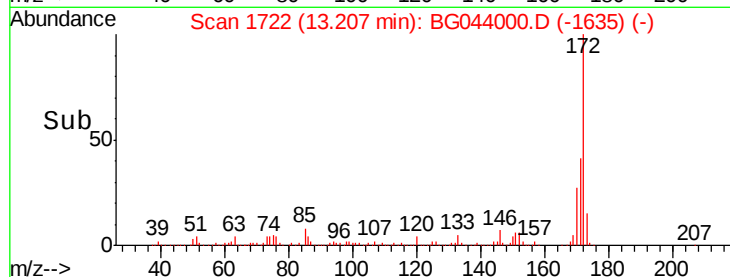
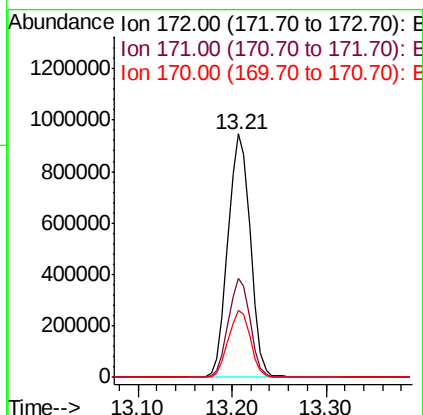
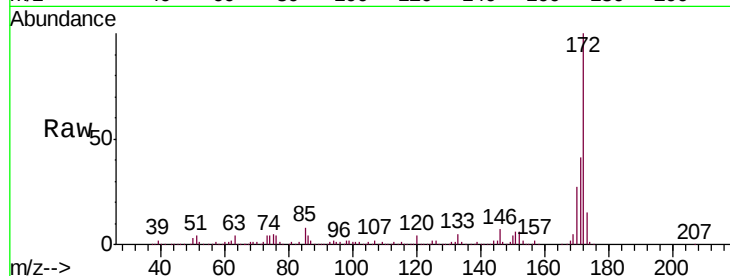




#45
 2-Fluorobiphenyl
 Concen: 105.107 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044000.D
 Acq: 10 Jan 2020 13:39

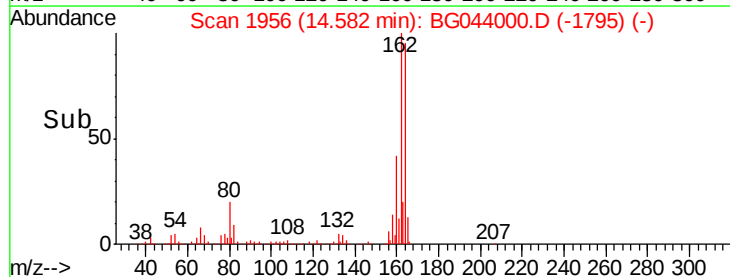
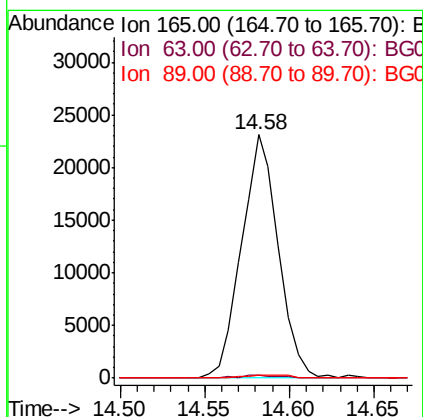
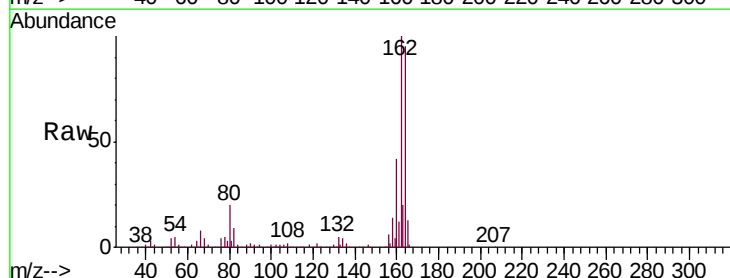
Instrument :
 BNA_G
 ClientSampleId :
 PB126006BL

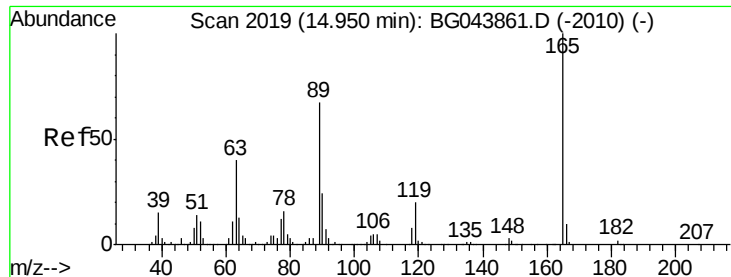
Tgt Ion:172 Resp: 1569784
 Ion Ratio Lower Upper
 172 100
 171 40.8 35.8 53.8
 170 27.5 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.009 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. 0.42 min
 Lab File: BG044000.D
 Acq: 10 Jan 2020 13:39

Tgt Ion:165 Resp: 34781
 Ion Ratio Lower Upper
 165 100
 63 1.0 43.1 64.7#
 89 1.2 43.8 65.6#

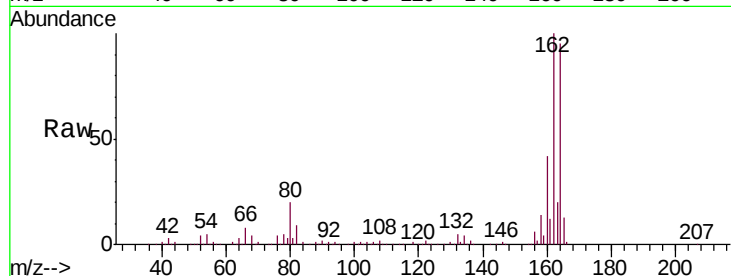




#57
 2,4-Dinitrotoluene
 Concen: 5.886 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.37 min
 Lab File: BG044000.D
 Acq: 10 Jan 2020 13:39

Instrument :
 BNA_G
 ClientSampleId :
 PB126006BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.9	47.9#
89	1.2	53.8	80.6#
182	0.0	2.0	3.0#

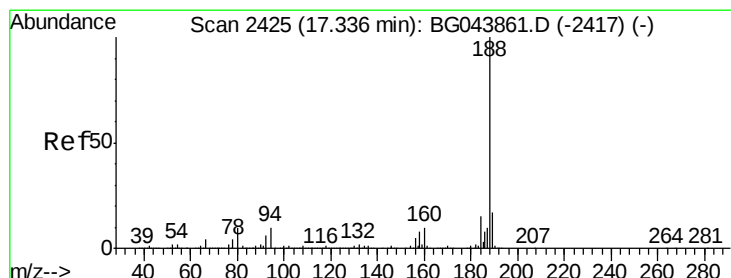
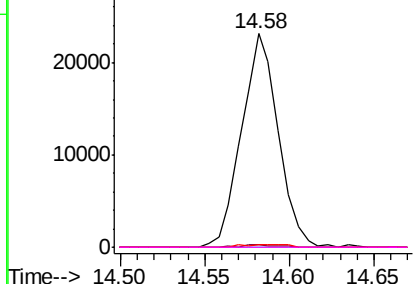
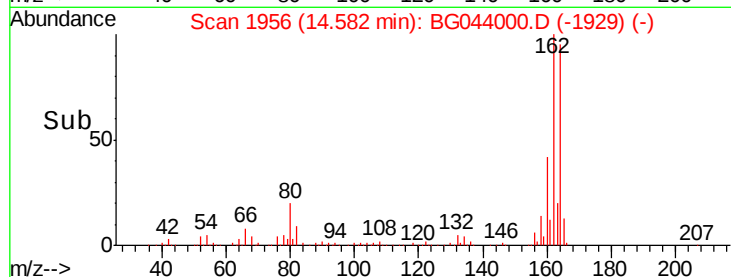


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

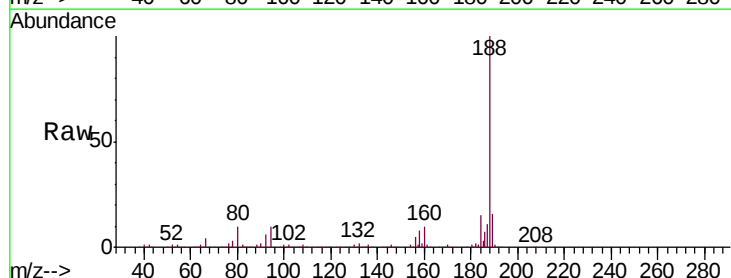
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.33 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG044000.D
 Acq: 10 Jan 2020 13:39

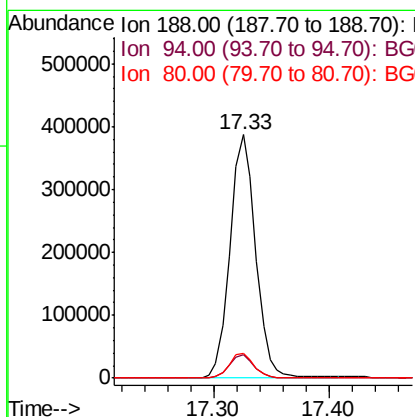
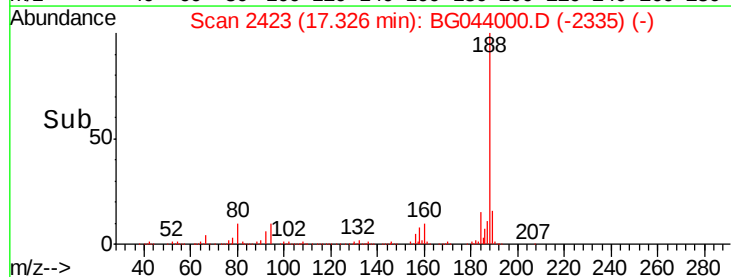
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.0	8.2	12.4

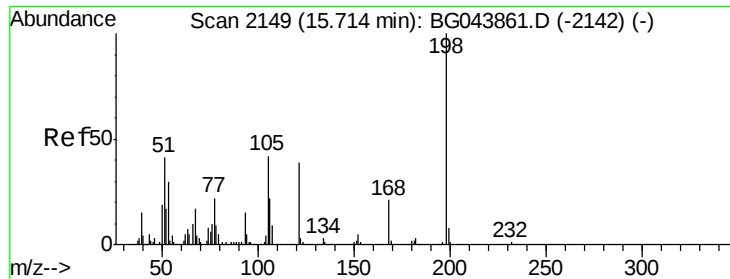


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

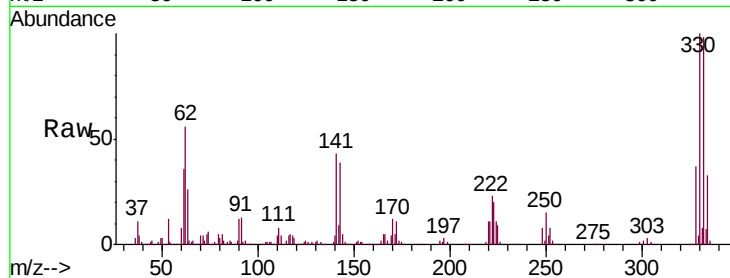




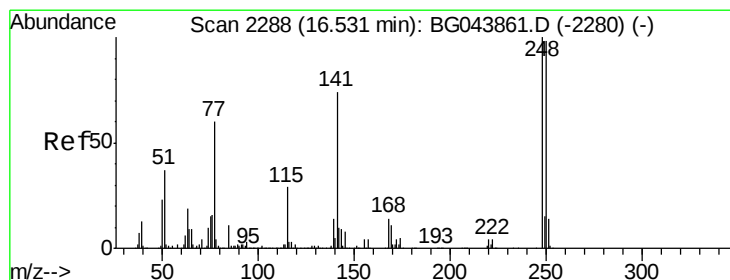
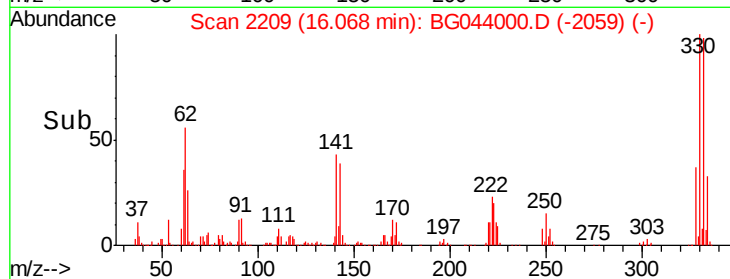
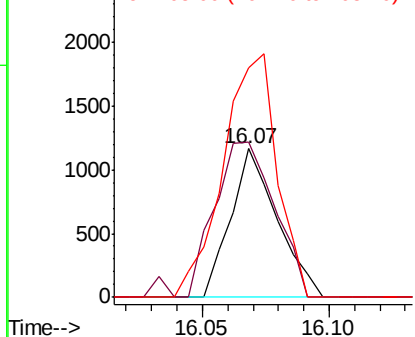
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.831 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. 0.35 min
 Lab File: BG044000.D
 Acq: 10 Jan 2020 13:39

Instrument :
 BNA_G
 ClientSampleId :
 PB126006BL

Tgt Ion:198 Resp: 1486
 Ion Ratio Lower Upper
 198 100
 51 104.8 22.5 62.5#
 105 154.5 22.3 62.3#

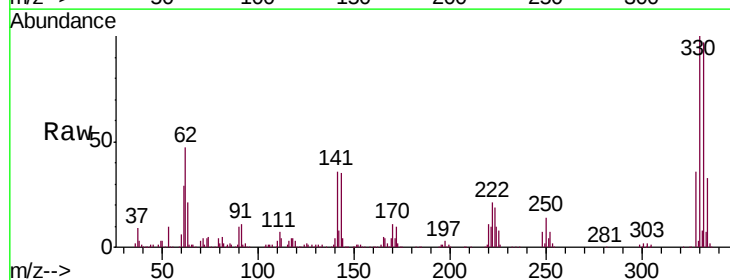


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG043861.D (-2142) (-)
 Ion 105.00 (104.70 to 105.70): E

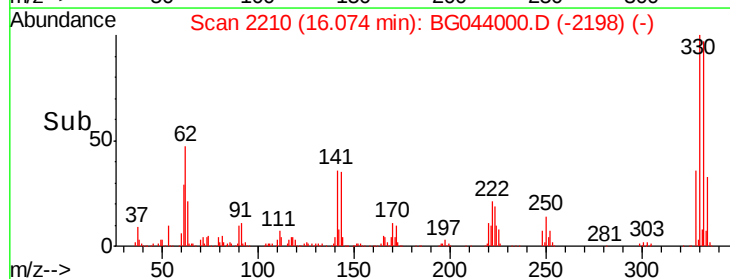
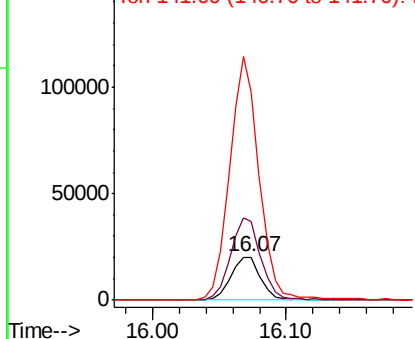


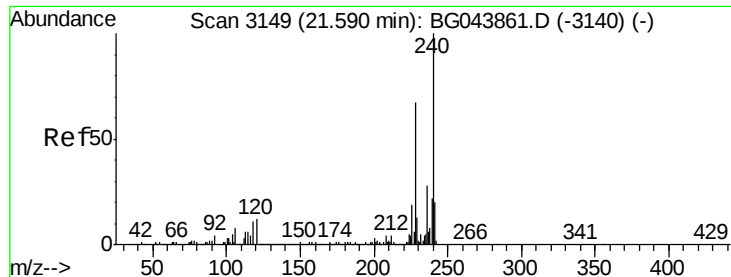
#67
 4-Bromophenyl-phenylether
 Concen: 4.724 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. -0.46 min
 Lab File: BG044000.D
 Acq: 10 Jan 2020 13:39

Tgt Ion:248 Resp: 31581
 Ion Ratio Lower Upper
 248 100
 250 183.3 78.2 117.2#
 141 485.0 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

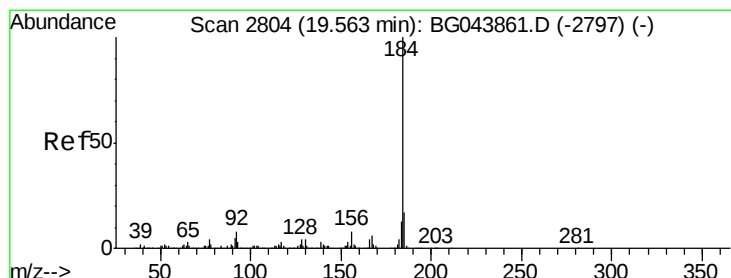
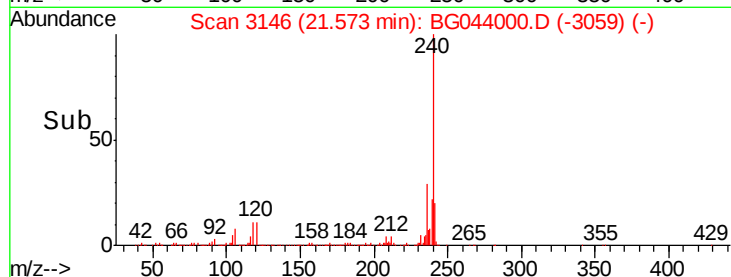
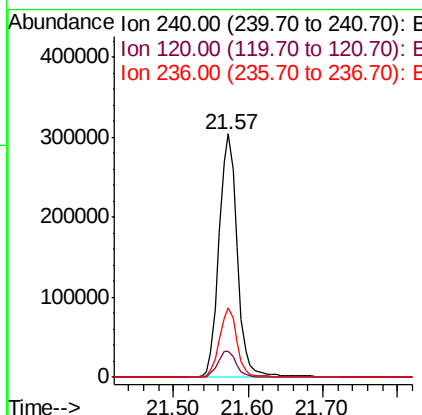
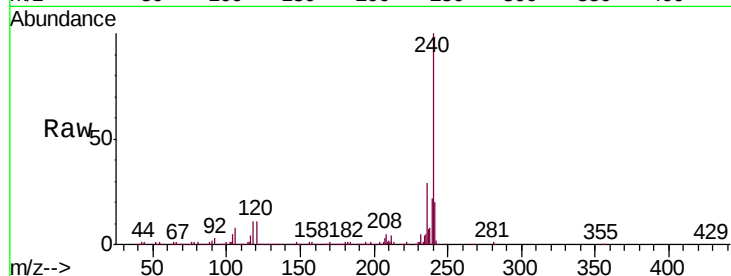




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG044000.D
 Acq: 10 Jan 2020 13:39

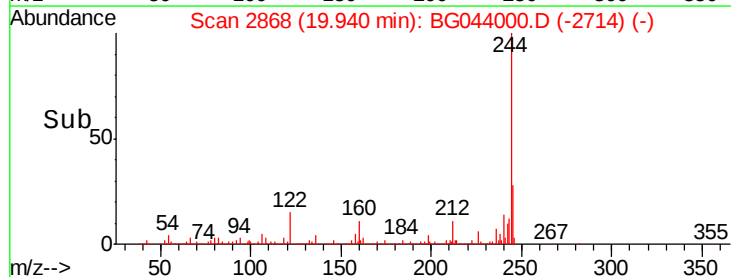
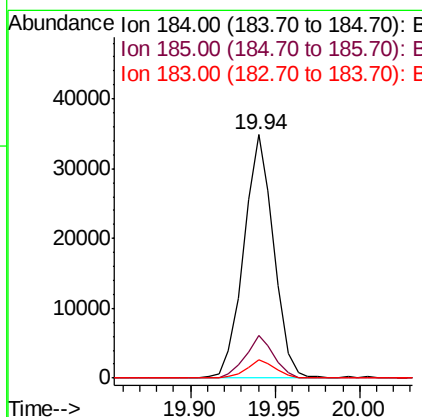
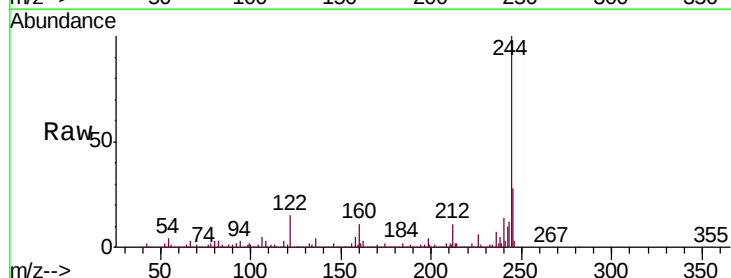
Instrument :
 BNA_G
 ClientSampleId :
 PB126006BL

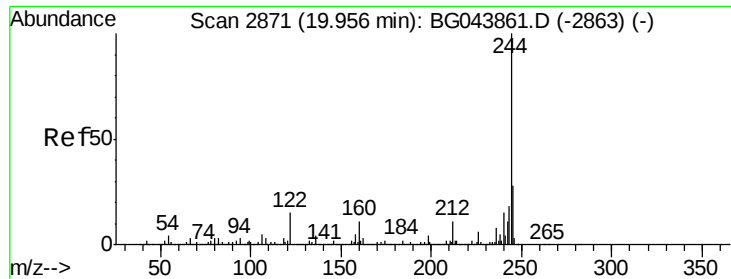
Tgt Ion:240 Resp: 519087
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.6 14.4
 236 28.6 22.2 33.2



#77
 Benzidine
 Concen: 3.291 ng
 RT: 19.94 min Scan# 2868
 Delta R.T. 0.38 min
 Lab File: BG044000.D
 Acq: 10 Jan 2020 13:39

Tgt Ion:184 Resp: 42943
 Ion Ratio Lower Upper
 184 100
 185 17.3 13.4 20.0
 183 7.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 114.741 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044000.D

Acq: 10 Jan 2020 13:39

Instrument :

BNA_G

ClientSampleId :

PB126006BL

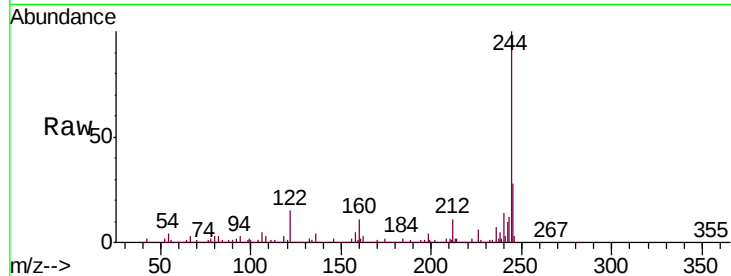
Tgt Ion:244 Resp: 2263938

Ion Ratio Lower Upper

244 100

212 10.6 8.6 13.0

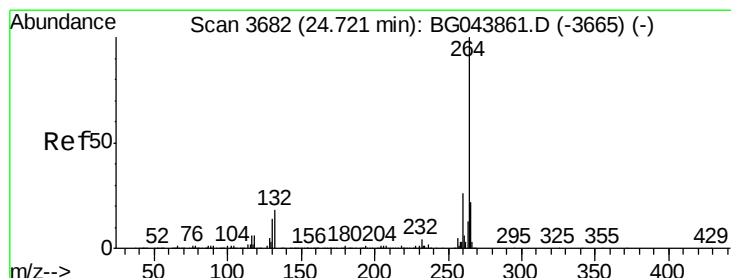
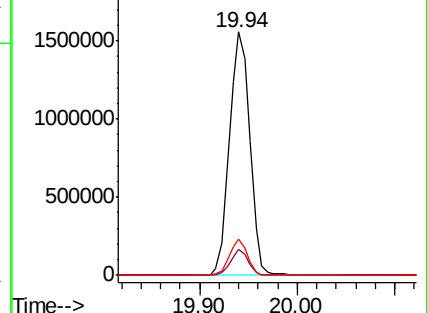
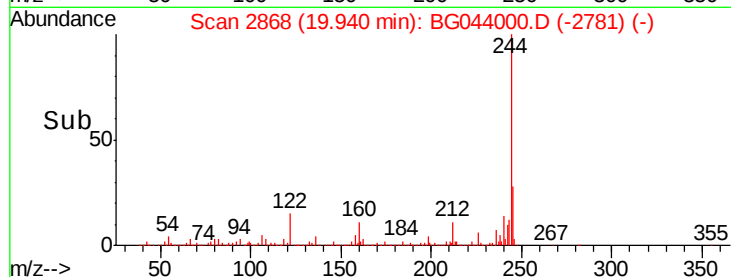
122 15.1 11.9 17.9



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: BG044000.D

Acq: 10 Jan 2020 13:39

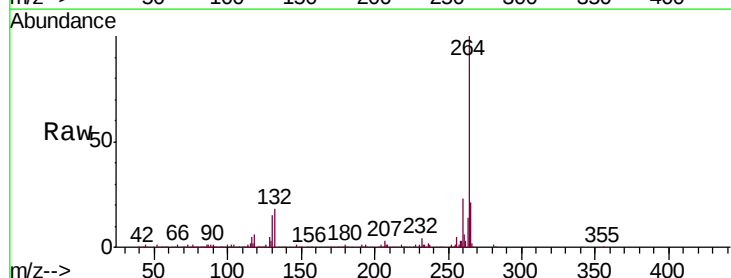
Tgt Ion:264 Resp: 548958

Ion Ratio Lower Upper

264 100

260 23.5 20.4 30.6

265 21.4 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

