

Data File : BG044094.D
Acq On : 20 Jan 2020 12:26
Operator : JU
Sample : PB126101BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126101BL

Quant Time: Jan 21 04:38:56 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

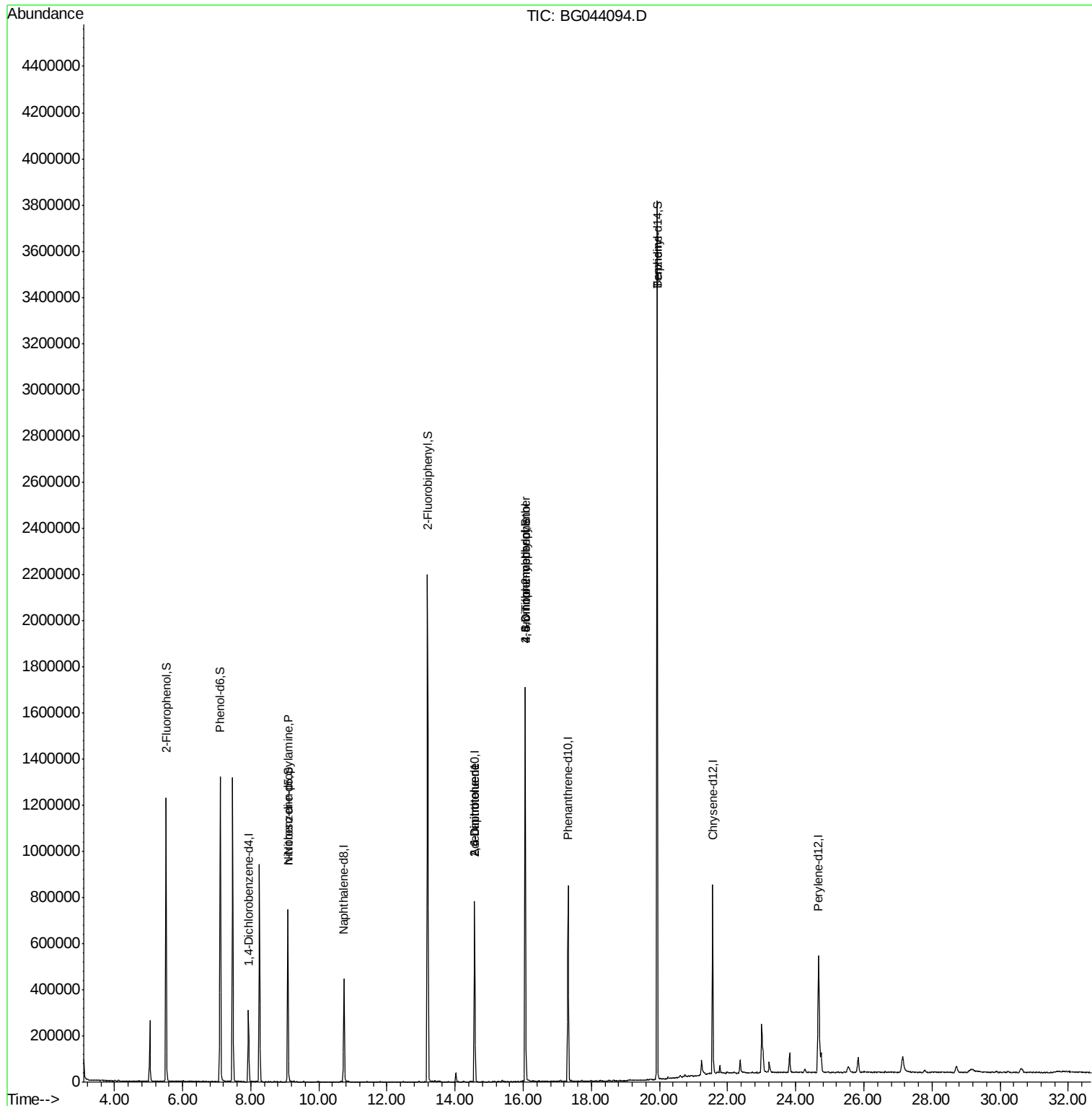
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	90814	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	406997	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	280257	20.00	ng	-0.03
64) Phenanthrene-d10	17.32	188	555955	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	473137	20.00	ng	-0.03
87) Perylene-d12	24.67	264	534143	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	583972	118.07	ng	-0.03
7) Phenol-d6	7.10	99	860481	124.46	ng	-0.02
23) Nitrobenzene-d5	9.09	82	481993	63.35	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	328912	112.15	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1219117	78.81	ng	-0.03
79) Terphenyl-d14	19.93	244	1735086	89.71	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	62385	12.117	ng	# 79
51) 2,6-Dinitrotoluene	14.57	165	37202	8.271	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	37202	6.079	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	976	4.699	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	23087	3.692	ng	# 1
77) Benzidine	19.93	184	29412	2.473	ng	# 94

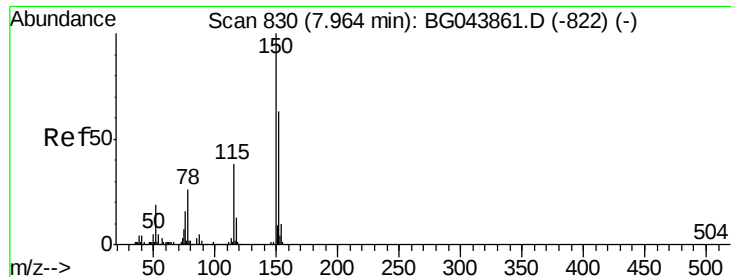
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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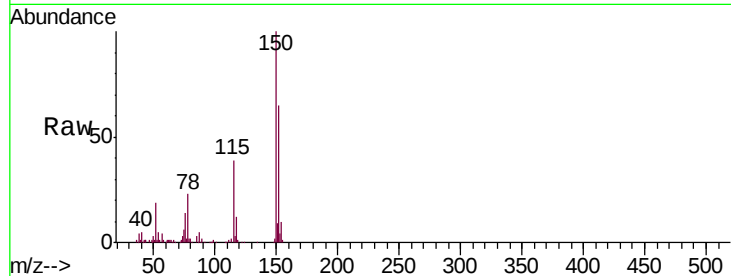


#1

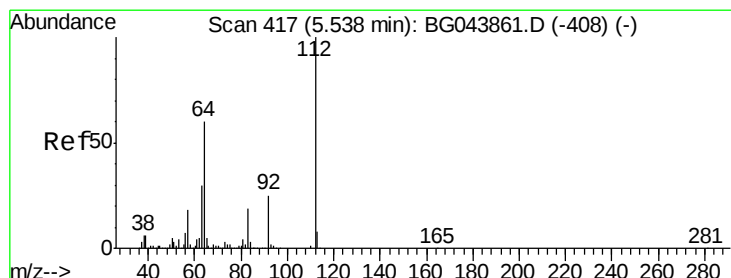
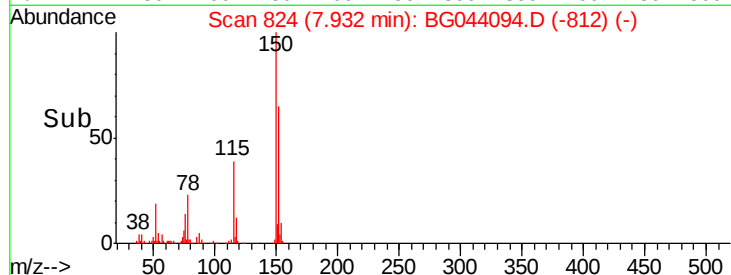
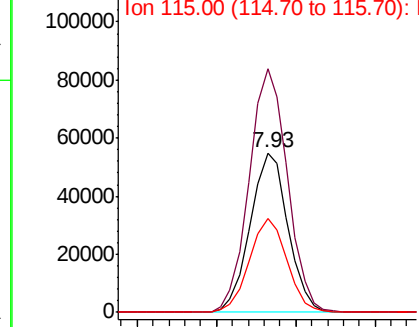
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044094.D
Acq: 20 Jan 2020 12:26

Instrument :
BNA_G
ClientSampleId :
PB126101BL

Tgt Ion:152 Resp: 90814
Ion Ratio Lower Upper
152 100
150 152.7 127.0 190.4
115 59.2 47.8 71.8



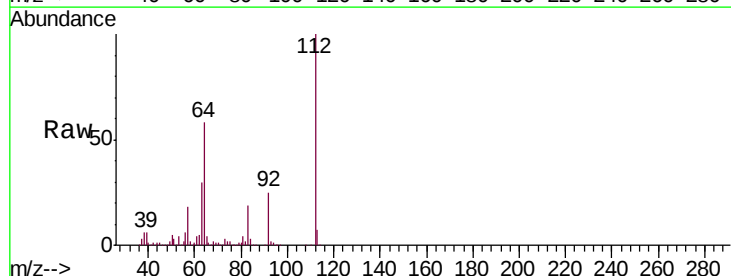
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



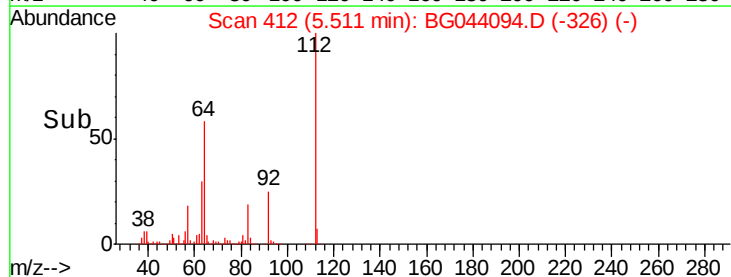
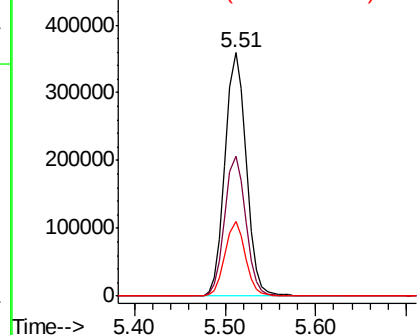
#5

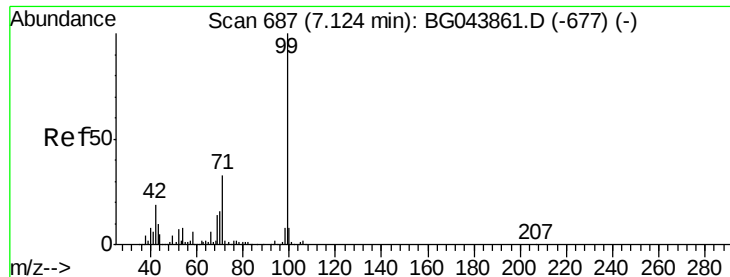
2-Fluorophenol
Concen: 118.070 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044094.D
Acq: 20 Jan 2020 12:26

Tgt Ion:112 Resp: 583972
Ion Ratio Lower Upper
112 100
64 57.5 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: 124.463 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044094.D

Acq: 20 Jan 2020 12:26

Instrument :

BNA_G

ClientSampleId :

PB126101BL

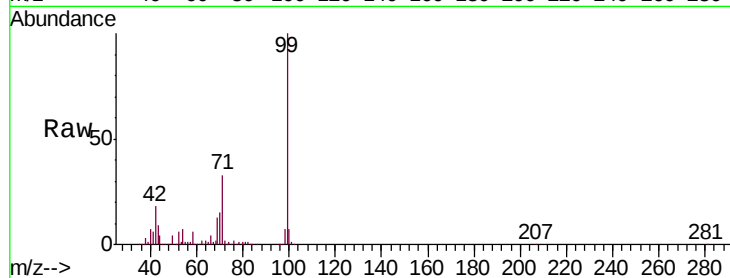
Tgt Ion: 99 Resp: 860481

Ion Ratio Lower Upper

99 100

42 17.9 14.9 22.3

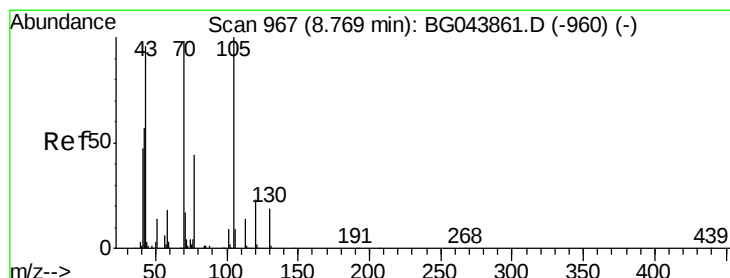
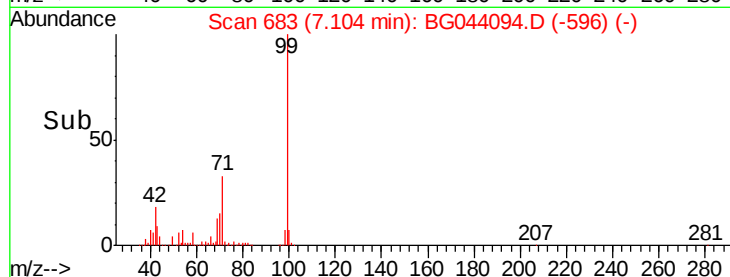
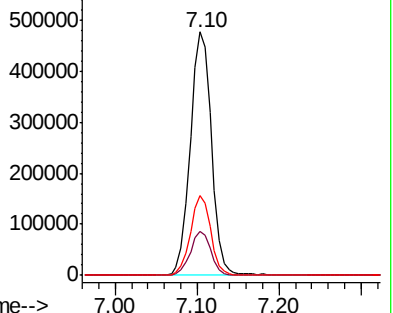
71 32.5 26.4 39.6



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: 12.117 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044094.D

Acq: 20 Jan 2020 12:26

Tgt Ion: 70 Resp: 62385

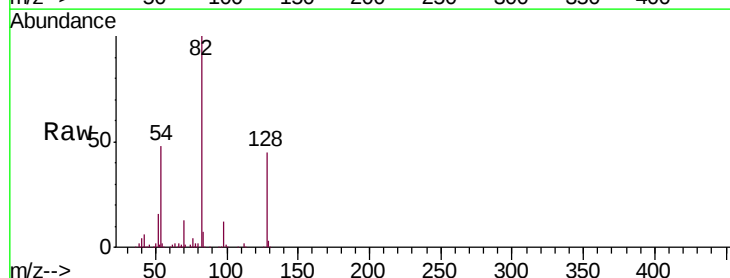
Ion Ratio Lower Upper

70 100

42 47.4 47.0 70.4

101 0.0 7.2 10.8#

130 2.2 15.6 23.4#

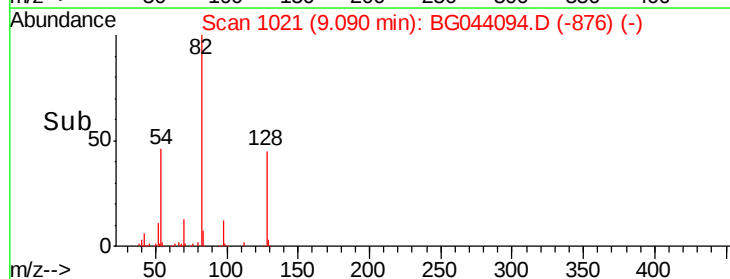
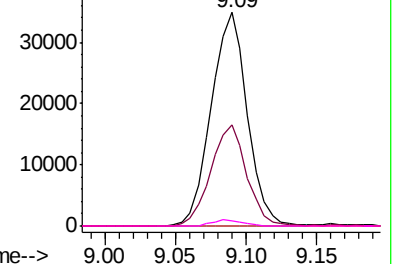


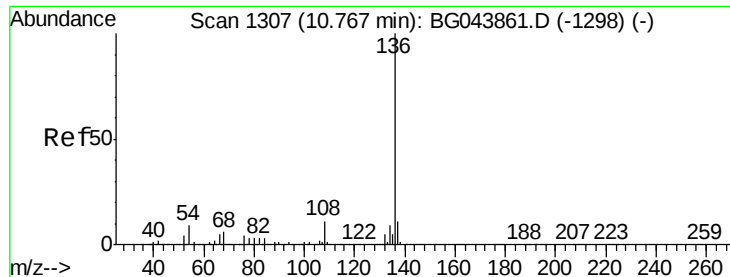
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

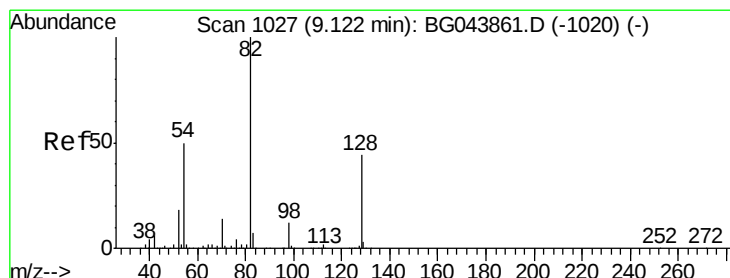
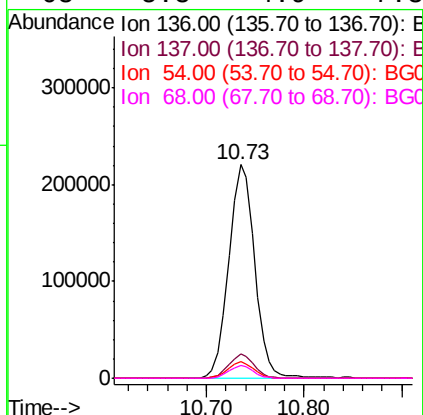
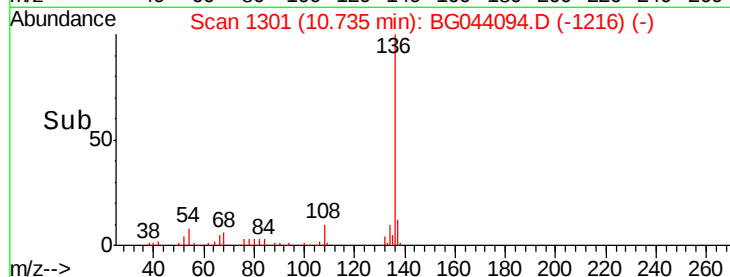
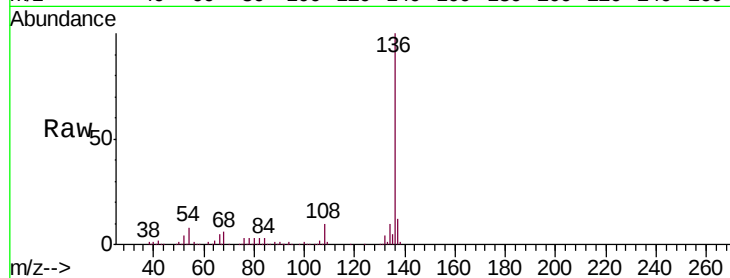




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044094.D
Acq: 20 Jan 2020 12:26

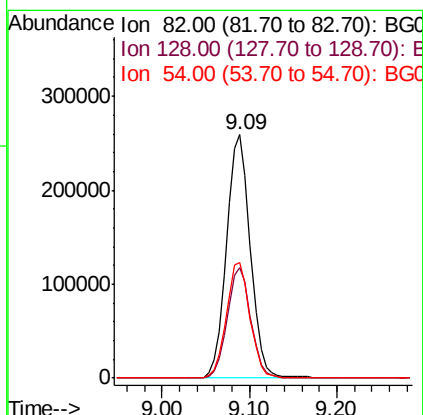
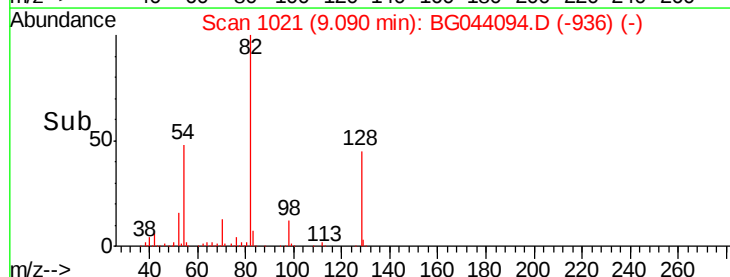
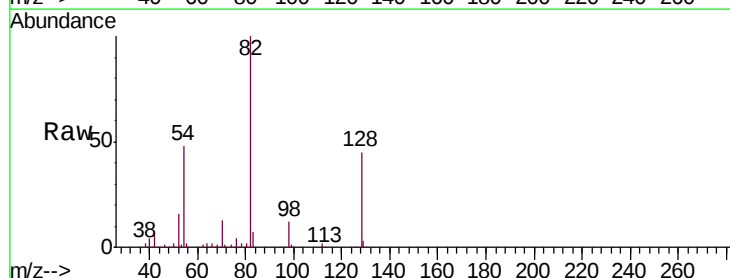
Instrument :
BNA_G
ClientSampleId :
PB126101BL

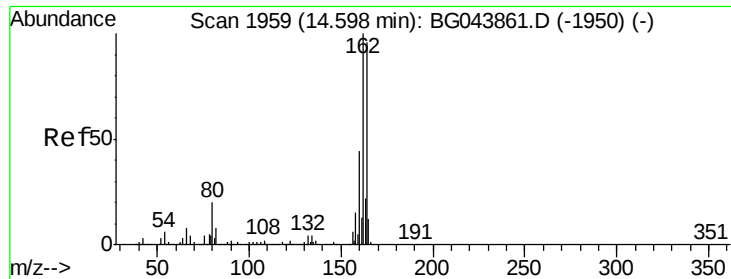
Tgt Ion:	136	Resp:	406997
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	7.6	7.0	10.4
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 63.353 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044094.D
Acq: 20 Jan 2020 12:26

Tgt Ion:	82	Resp:	481993
Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.1	52.7
54	47.6	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: BG044094.D

Acq: 20 Jan 2020 12:26

Instrument :

BNA_G

ClientSampleId :

PB126101BL

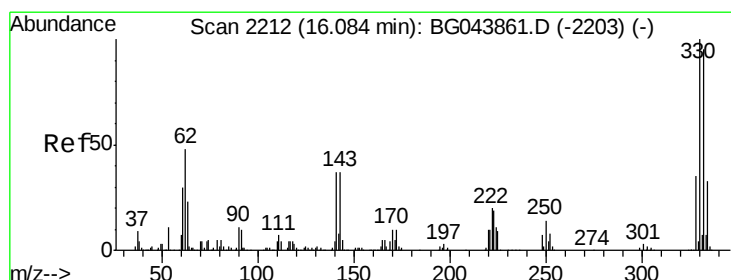
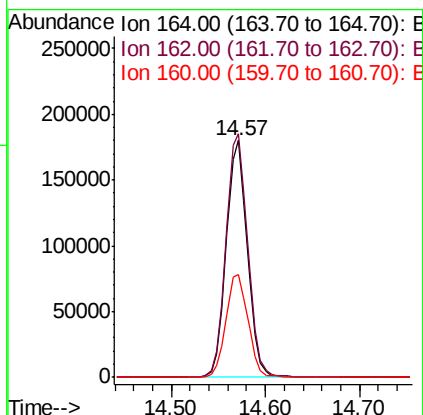
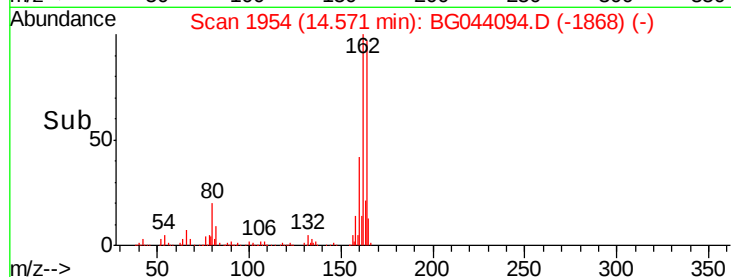
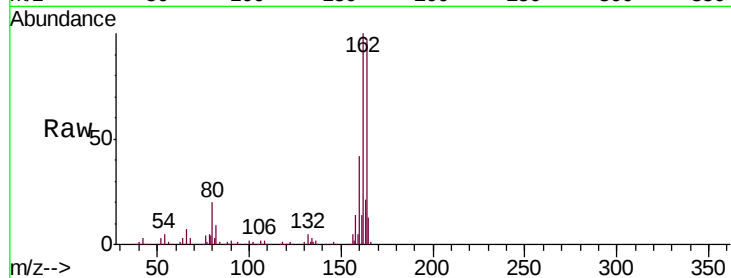
Tgt Ion:164 Resp: 280257

Ion Ratio Lower Upper

164 100

162 102.8 83.0 124.4

160 43.5 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 112.148 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044094.D

Acq: 20 Jan 2020 12:26

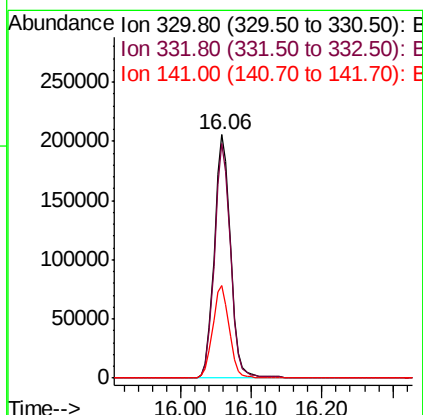
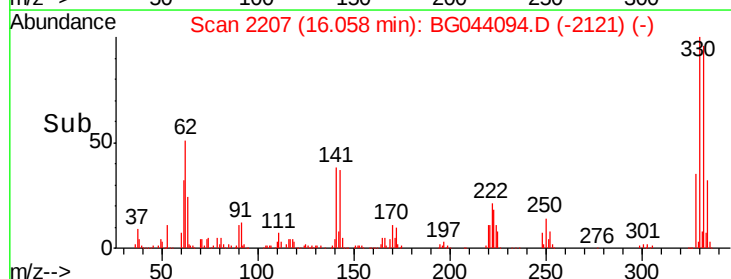
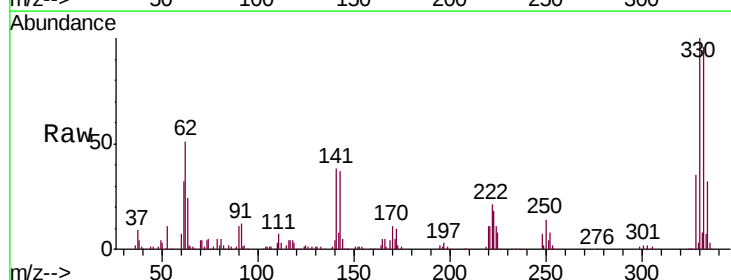
Tgt Ion:330 Resp: 328912

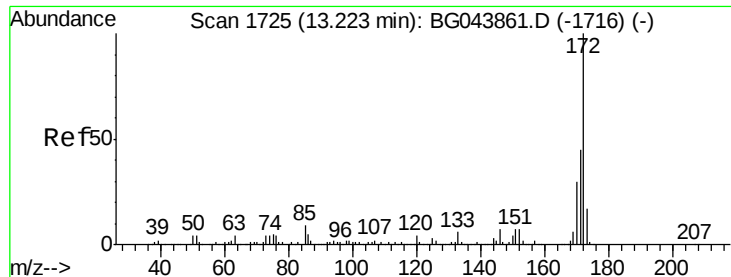
Ion Ratio Lower Upper

330 100

332 95.3 77.2 115.8

141 38.5 33.1 49.7

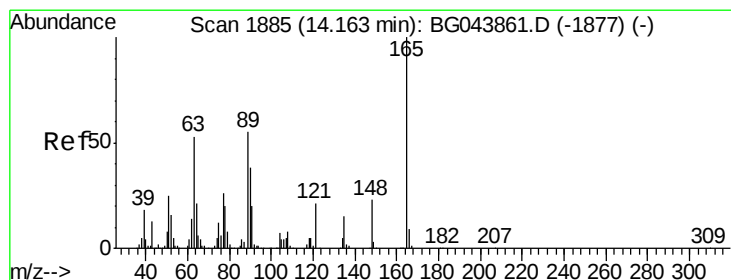
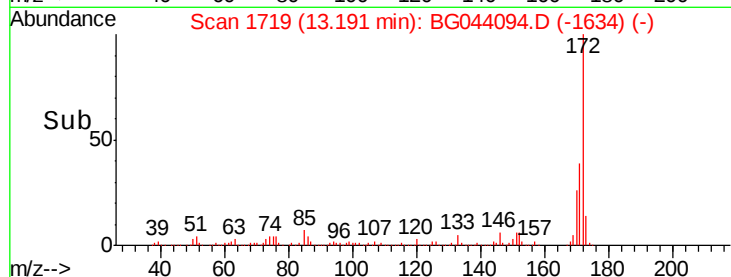
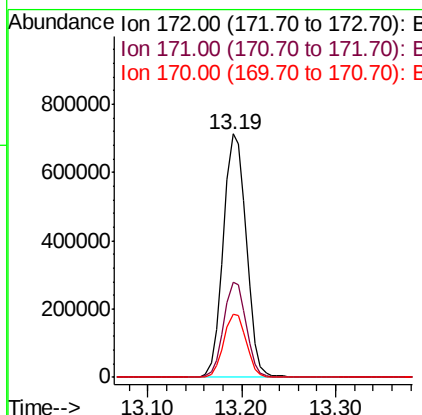
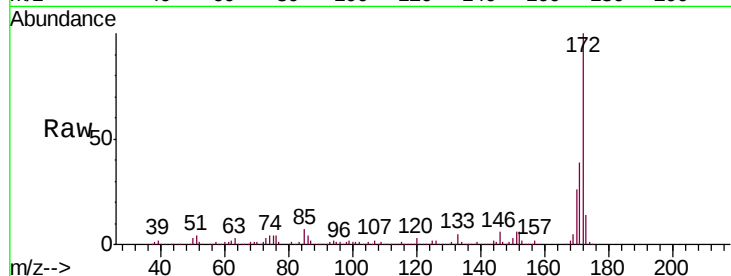




#45
 2-Fluorobiphenyl
 Concen: 78.812 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044094.D
 Acq: 20 Jan 2020 12:26

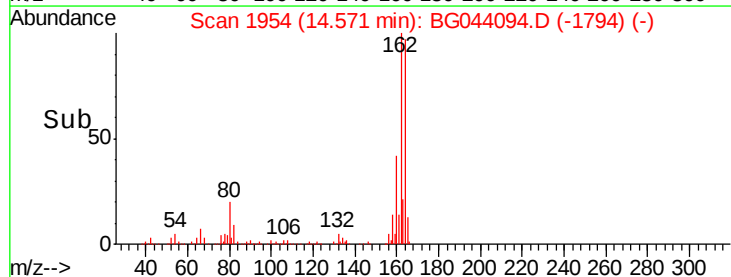
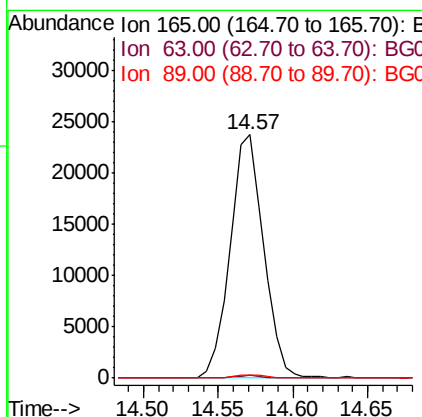
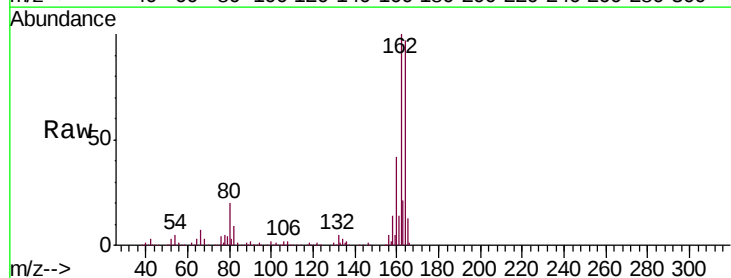
Instrument :
 BNA_G
 ClientSampleId :
 PB126101BL

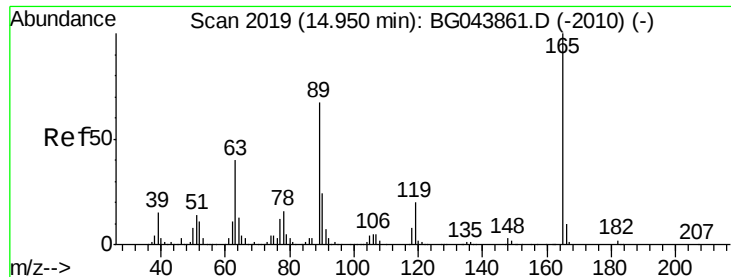
Tgt Ion:172 Resp: 1219117
 Ion Ratio Lower Upper
 172 100
 171 39.3 35.8 53.8
 170 26.2 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.271 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.41 min
 Lab File: BG044094.D
 Acq: 20 Jan 2020 12:26

Tgt Ion:165 Resp: 37202
 Ion Ratio Lower Upper
 165 100
 63 1.3 43.1 64.7#
 89 1.3 43.8 65.6#

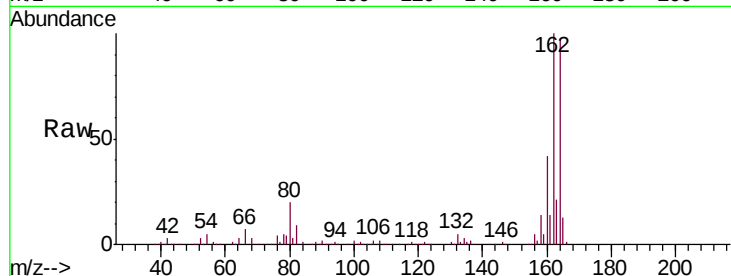




#57
 2,4-Dinitrotoluene
 Concen: 6.079 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG044094.D
 Acq: 20 Jan 2020 12:26

Instrument :
 BNA_G
 ClientSampleId :
 PB126101BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.9	47.9#
89	1.3	53.8	80.6#
182	0.0	2.0	3.0#

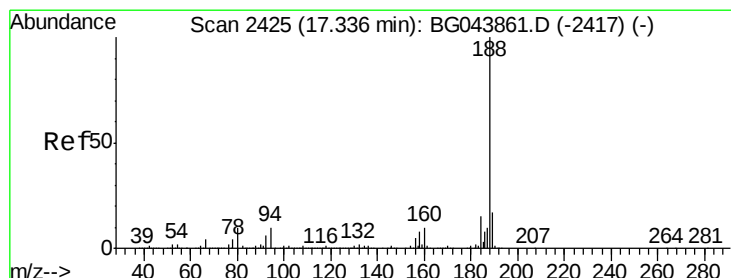
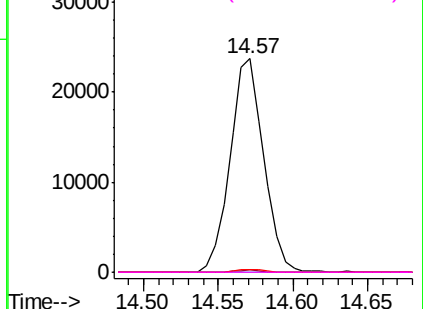
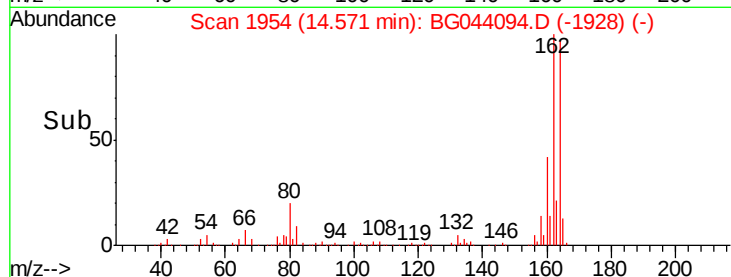


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

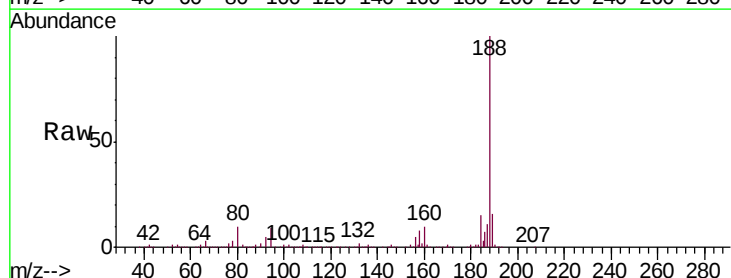
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2421
 Delta R.T. -0.02 min
 Lab File: BG044094.D
 Acq: 20 Jan 2020 12:26

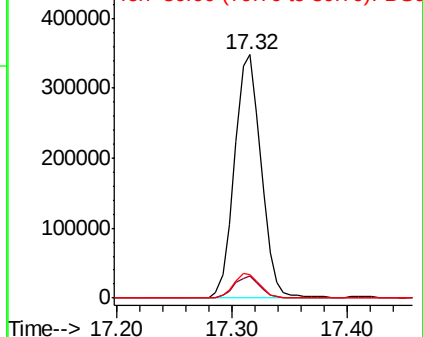
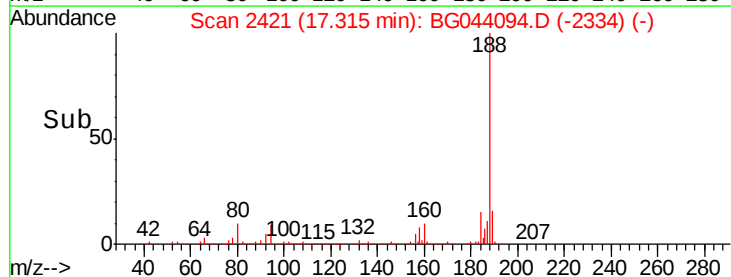
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.9	11.9
80	9.8	8.2	12.4

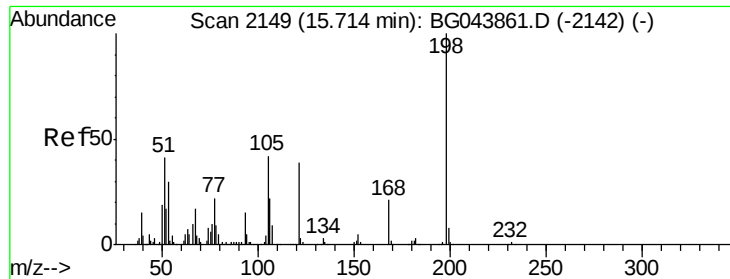


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

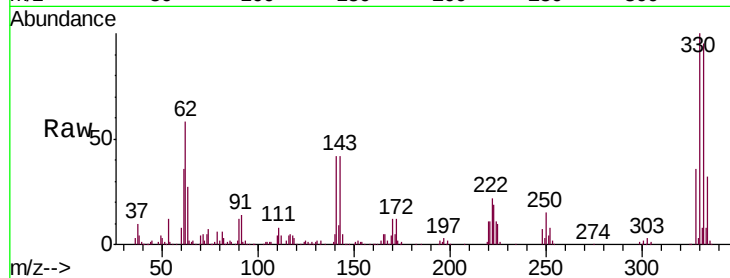




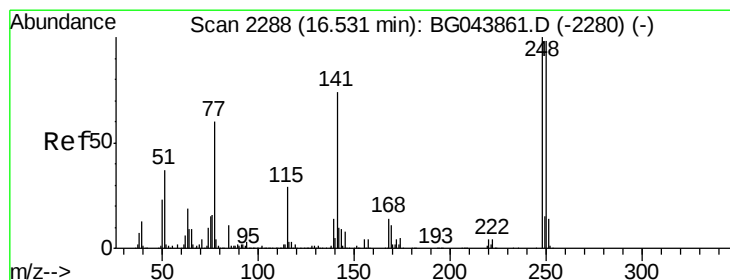
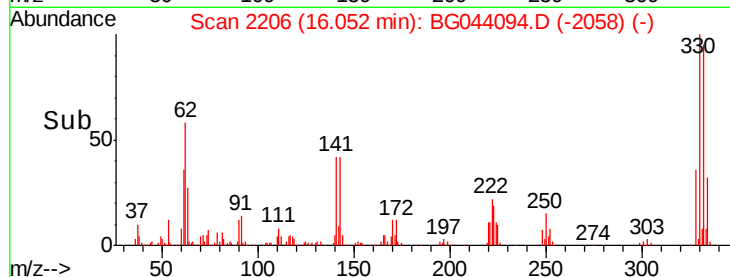
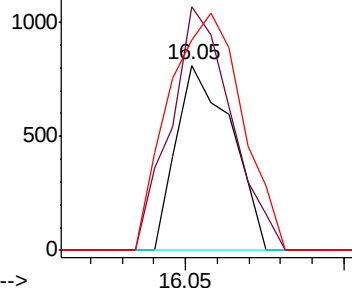
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.699 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.34 min
 Lab File: BG044094.D
 Acq: 20 Jan 2020 12:26

Instrument :
 BNA_G
 ClientSampleId :
 PB126101BL

Tgt Ion:198 Resp: 976
 Ion Ratio Lower Upper
 198 100
 51 131.4 22.5 62.5#
 105 113.8 22.3 62.3#

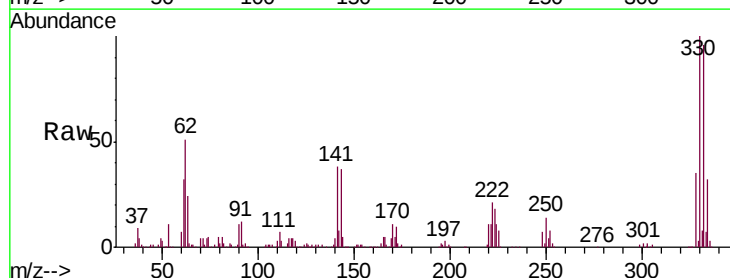


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

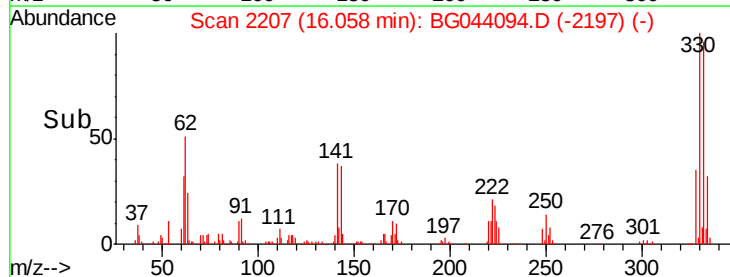
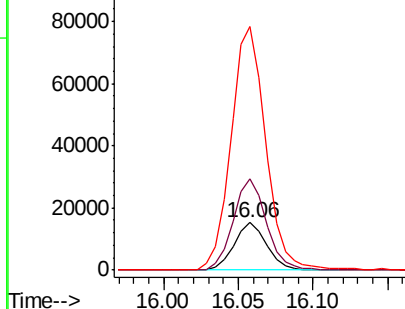


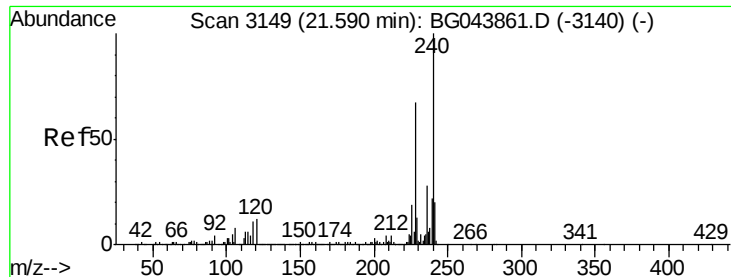
#67
 4-Bromophenyl-phenylether
 Concen: 3.692 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.47 min
 Lab File: BG044094.D
 Acq: 20 Jan 2020 12:26

Tgt Ion:248 Resp: 23087
 Ion Ratio Lower Upper
 248 100
 250 192.8 78.2 117.2#
 141 516.0 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

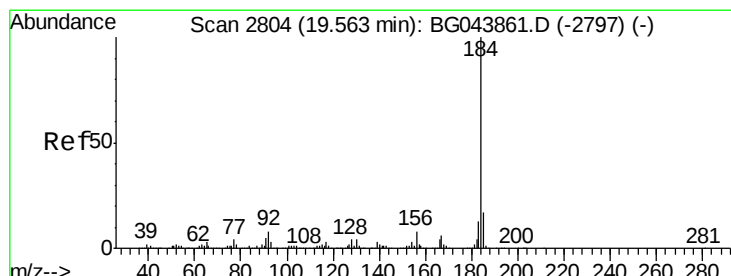
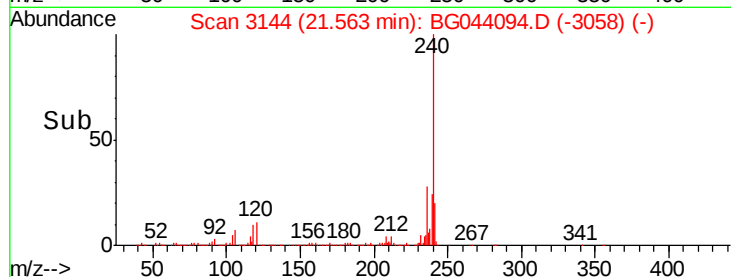
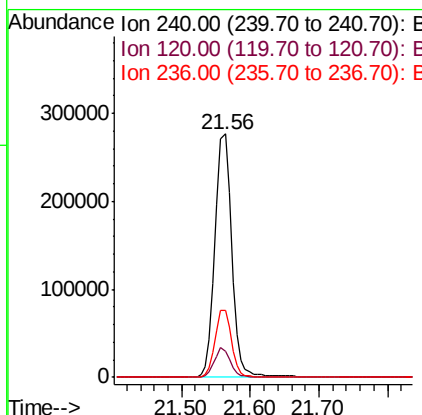
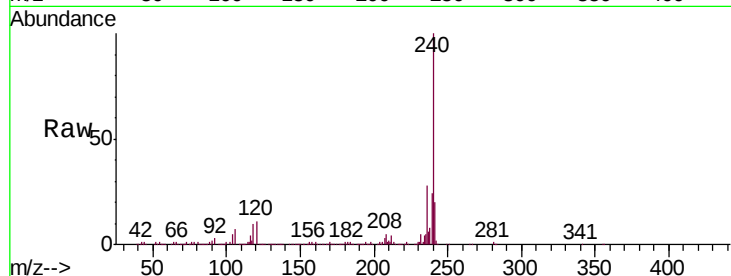




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.03 min
Lab File: BG044094.D
Acq: 20 Jan 2020 12:26

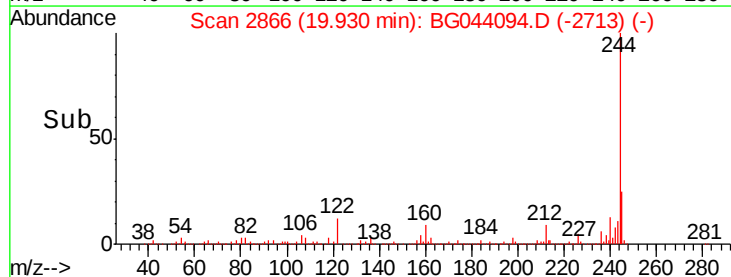
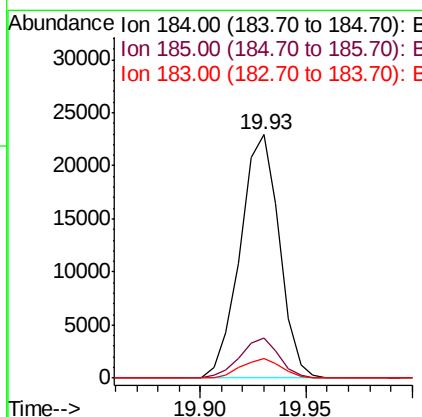
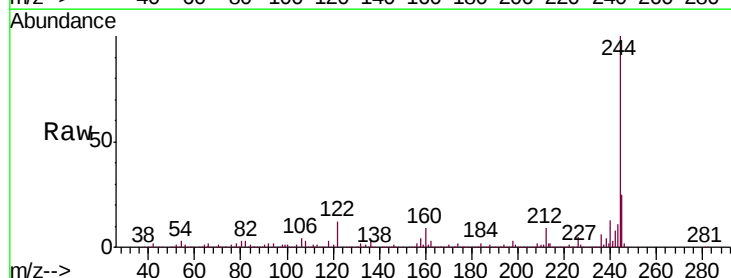
Instrument :
BNA_G
ClientSampleId :
PB126101BL

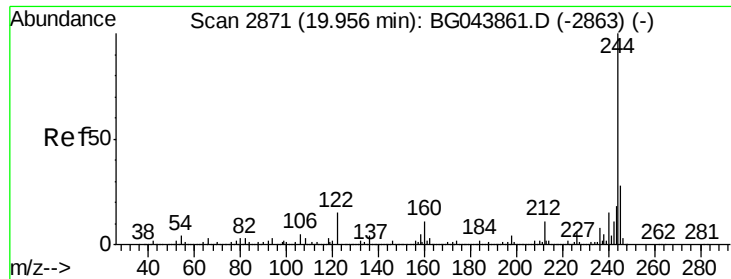
Tgt Ion:240 Resp: 473137
Ion Ratio Lower Upper
240 100
120 10.7 9.6 14.4
236 27.8 22.2 33.2



#77
Benzidine
Concen: 2.473 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.37 min
Lab File: BG044094.D
Acq: 20 Jan 2020 12:26

Tgt Ion:184 Resp: 29412
Ion Ratio Lower Upper
184 100
185 16.3 13.4 20.0
183 7.9 10.6 15.8#





#79

Terphenyl-d14

Concen: 89.706 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044094.D

Acq: 20 Jan 2020 12:26

Instrument :

BNA_G

ClientSampleId :

PB126101BL

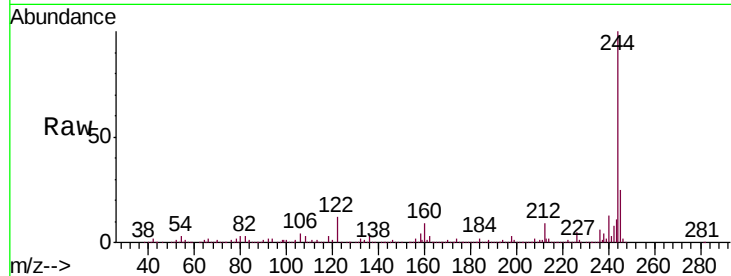
Tgt Ion:244 Resp: 1735086

Ion Ratio Lower Upper

244 100

212 9.1 8.6 13.0

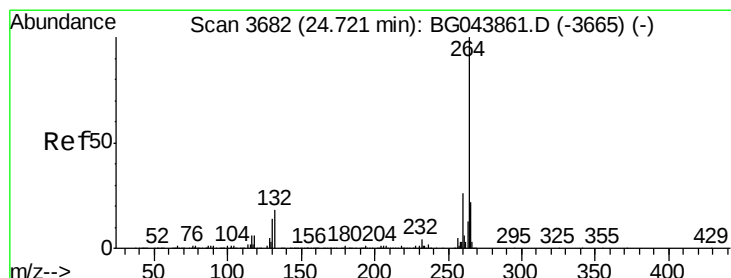
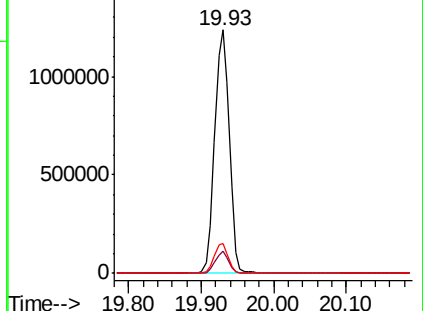
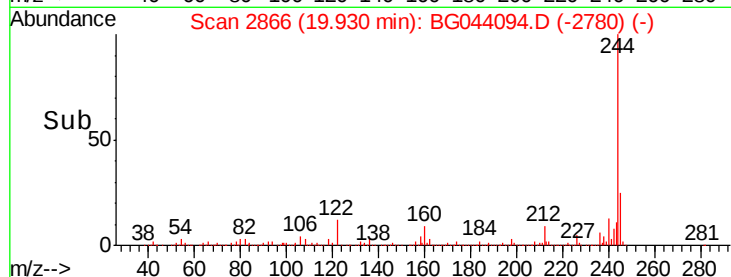
122 12.5 11.9 17.9



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: 24.67 min Scan# 3673

Delta R.T. -0.05 min

Lab File: BG044094.D

Acq: 20 Jan 2020 12:26

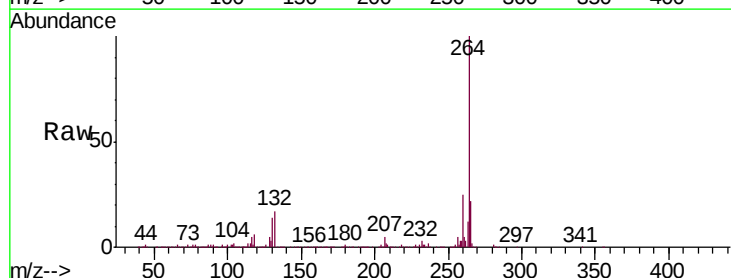
Tgt Ion:264 Resp: 534143

Ion Ratio Lower Upper

264 100

260 24.9 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

