

Data File : BG044056.D
Acq On : 15 Jan 2020 19:09
Operator : JU
Sample : PB126095BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126095BL

Quant Time: Jan 16 08:12:28 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

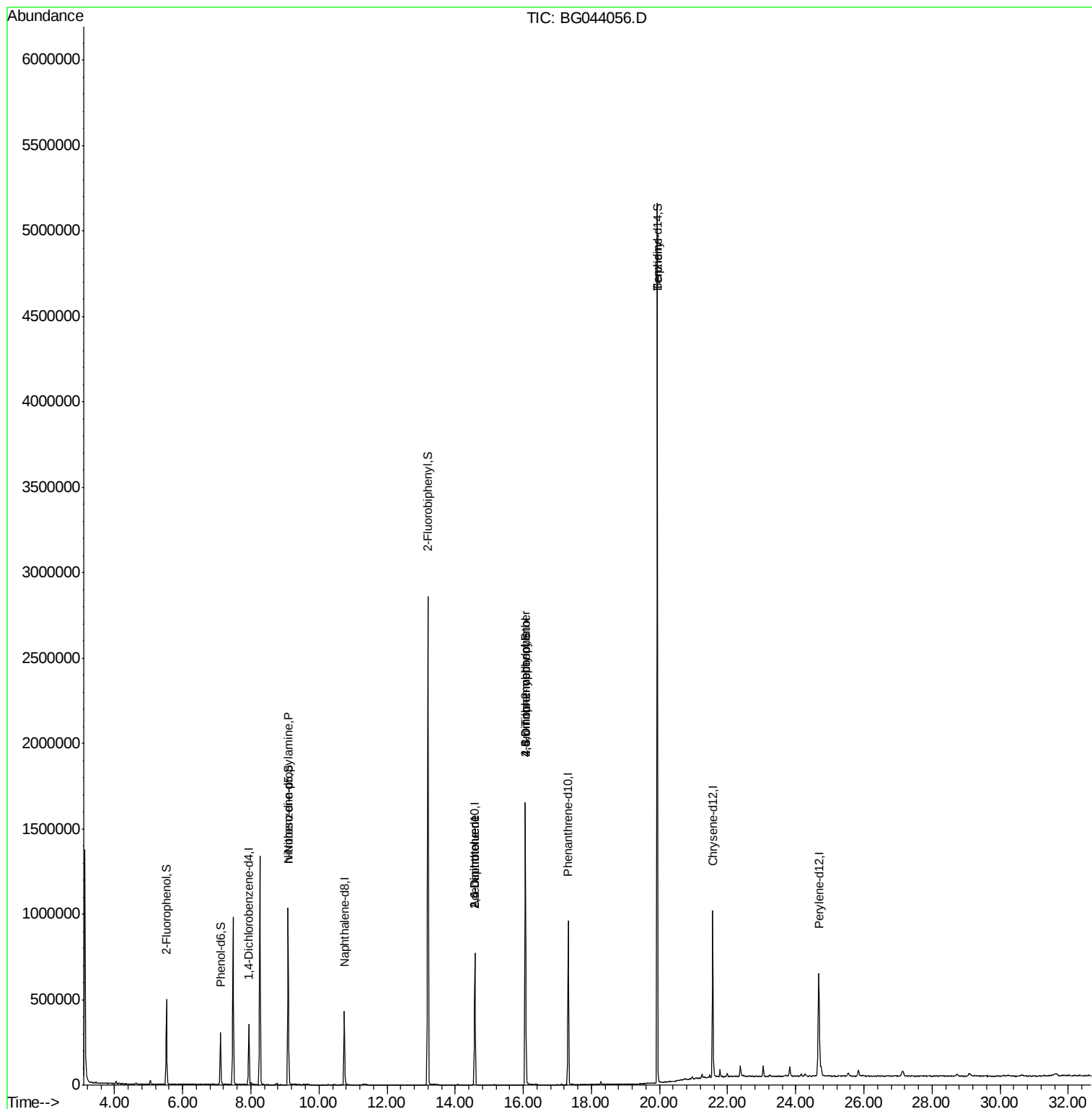
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	103523	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	410380	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	275324	20.00	ng	-0.02
64) Phenanthrene-d10	17.31	188	617371	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	554490	20.00	ng	-0.03
87) Perylene-d12	24.68	264	615727	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	247046	43.82	ng	-0.02
7) Phenol-d6	7.11	99	199941	25.37	ng	-0.02
23) Nitrobenzene-d5	9.09	82	676061	88.13	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	329521	114.37	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1519338	99.98	ng	-0.02
79) Terphenyl-d14	19.93	244	2248764	103.26	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	89446	15.240	ng	# 79
51) 2,6-Dinitrotoluene	14.58	165	36403	8.239	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	36403	6.055	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1033	4.685	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	22857	3.292	ng	# 1
77) Benzidine	19.93	184	42012	3.014	ng	# 94

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

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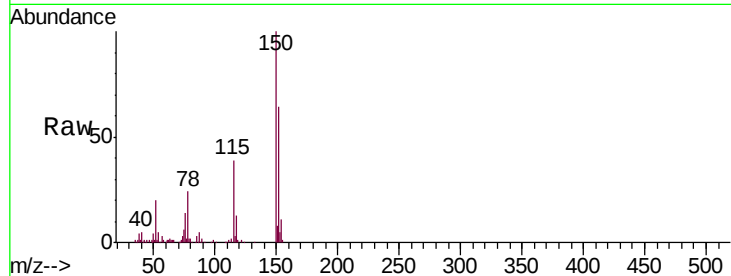


#1

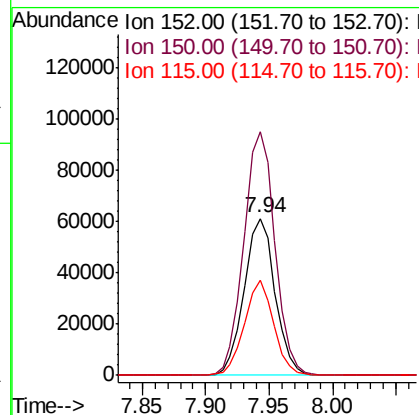
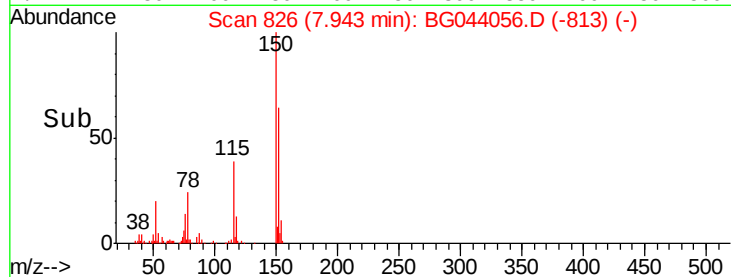
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.02 min
Lab File: BG044056.D
Acq: 15 Jan 2020 19:09

Instrument :
BNA_G
ClientSampleId :
PB126095BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.0	190.4
115	60.5	47.8	71.8



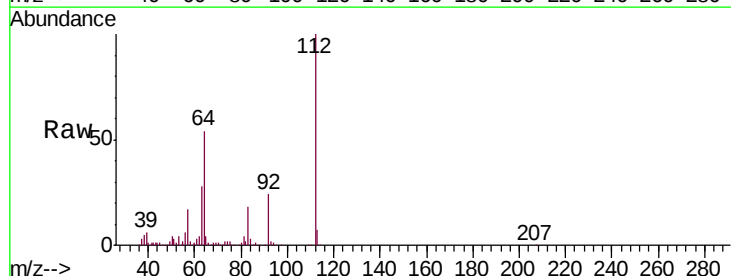
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



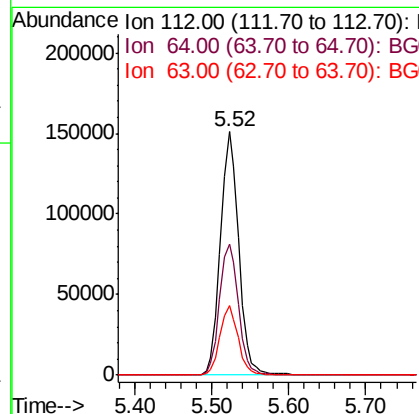
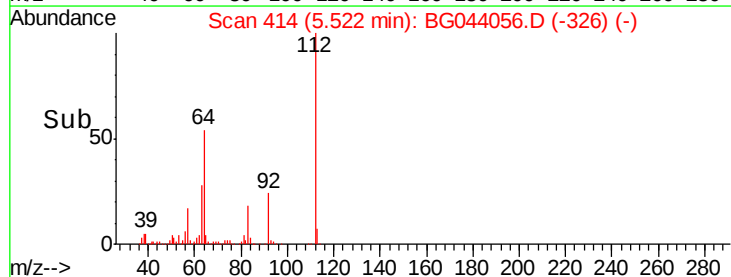
#5

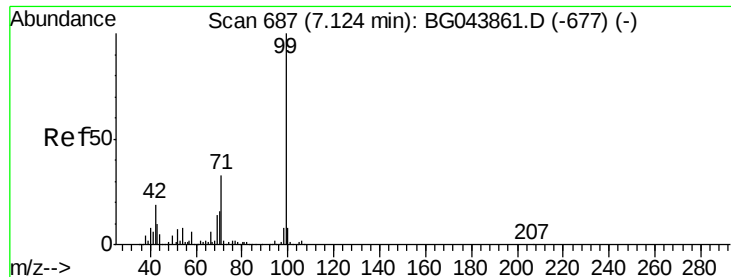
2-Fluorophenol
Concen: 43.817 ng
RT: 5.52 min Scan# 414
Delta R.T. -0.02 min
Lab File: BG044056.D
Acq: 15 Jan 2020 19:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	47.8	71.6
63	28.4	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: 25.370 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.02 min

Lab File: BG044056.D

Acq: 15 Jan 2020 19:09

Instrument :

BNA_G

ClientSampleId :

PB126095BL

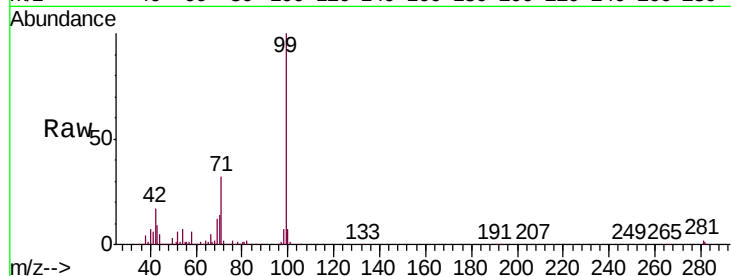
Tgt Ion: 99 Resp: 199941

Ion Ratio Lower Upper

99 100

42 17.3 14.9 22.3

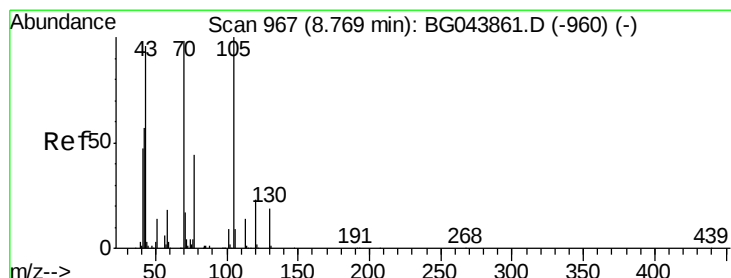
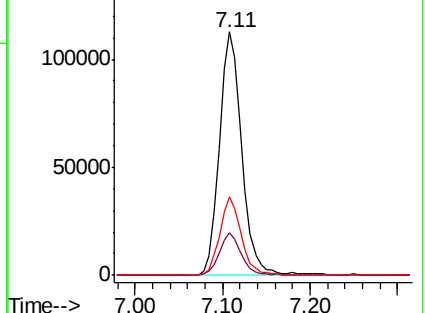
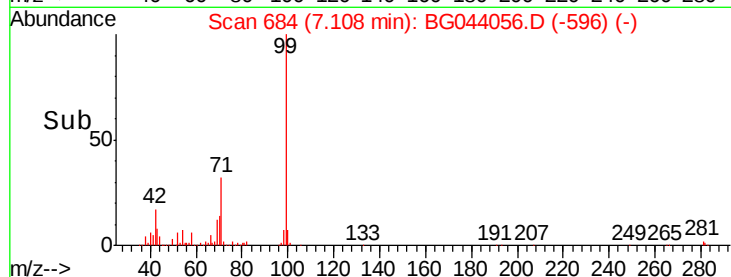
71 32.2 26.4 39.6



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: 15.240 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.33 min

Lab File: BG044056.D

Acq: 15 Jan 2020 19:09

Tgt Ion: 70 Resp: 89446

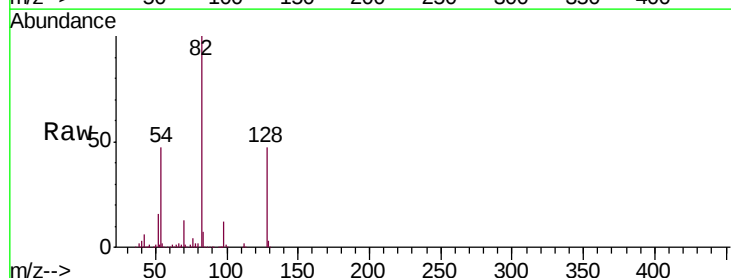
Ion Ratio Lower Upper

70 100

42 47.9 47.0 70.4

101 0.0 7.2 10.8#

130 2.0 15.6 23.4#

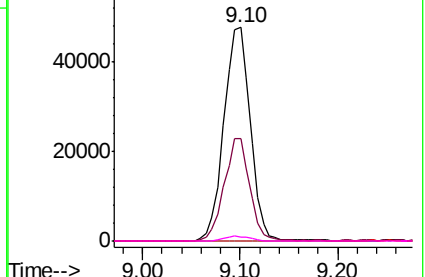
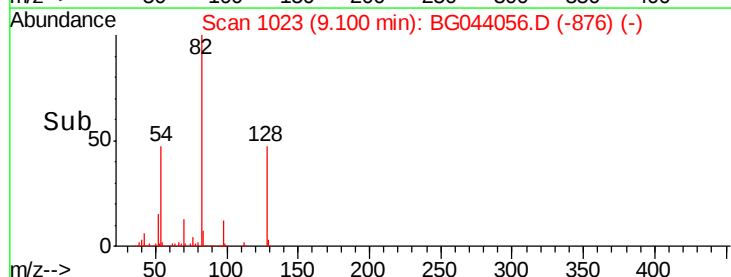


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

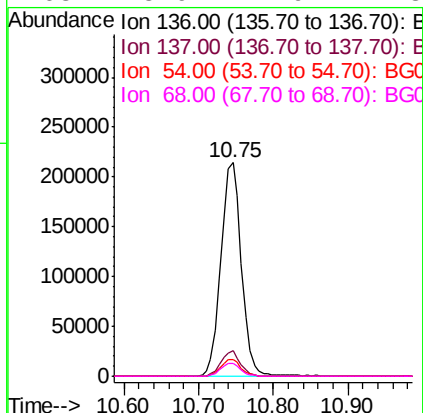
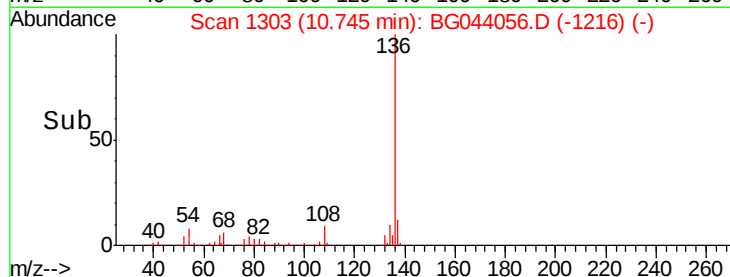
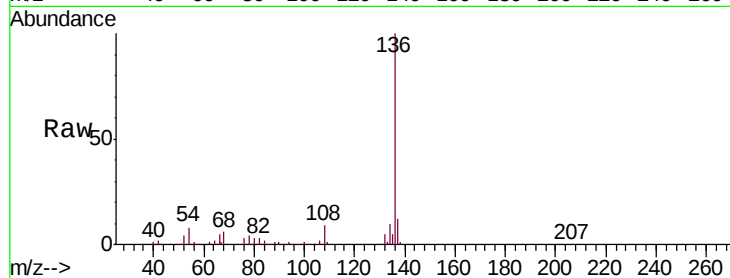




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BG044056.D
Acq: 15 Jan 2020 19:09

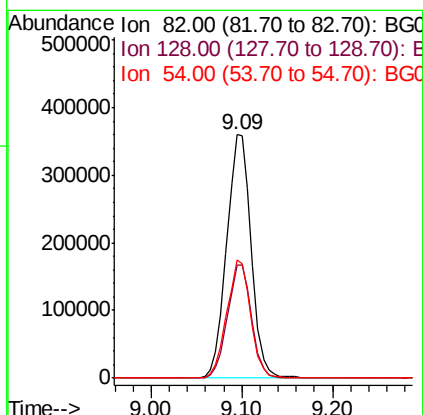
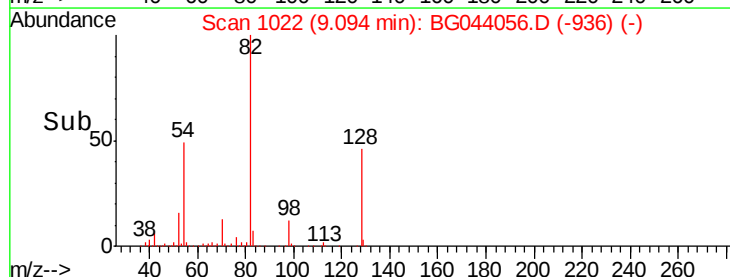
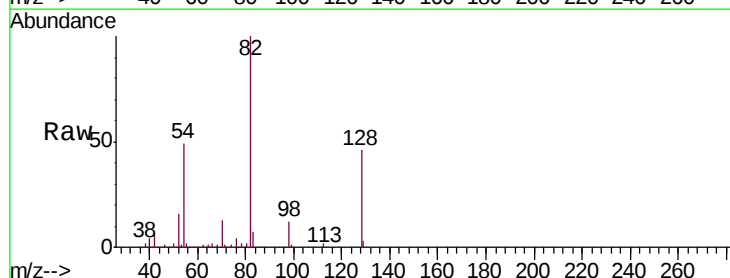
Instrument :
BNA_G
ClientSampleId :
PB126095BL

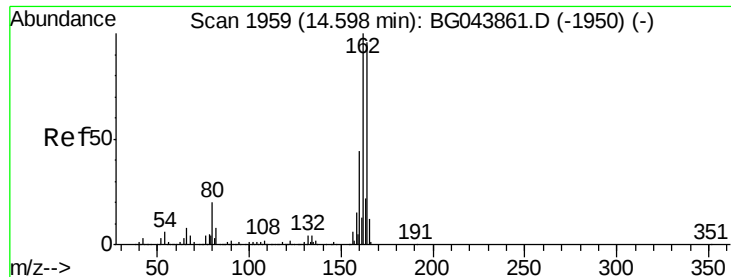
Tgt Ion:	136	Resp:	410380
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	7.8	7.0	10.4
68	5.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 88.129 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BG044056.D
Acq: 15 Jan 2020 19:09

Tgt Ion:	82	Resp:	676061
Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.1	52.7
54	48.5	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044056.D

Acq: 15 Jan 2020 19:09

Instrument :

BNA_G

ClientSampleId :

PB126095BL

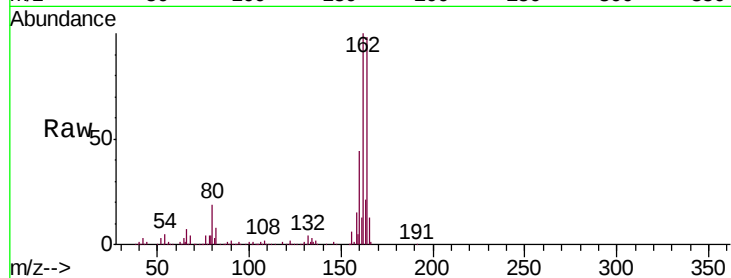
Tgt Ion:164 Resp: 275324

Ion Ratio Lower Upper

164 100

162 101.7 83.0 124.4

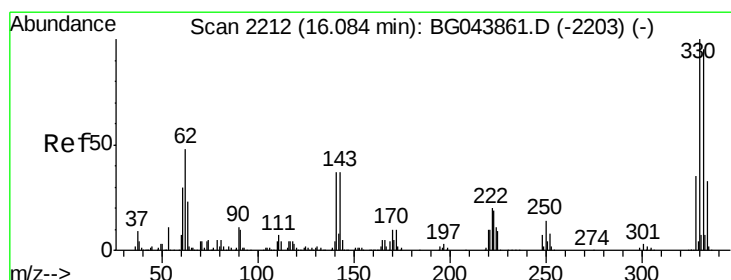
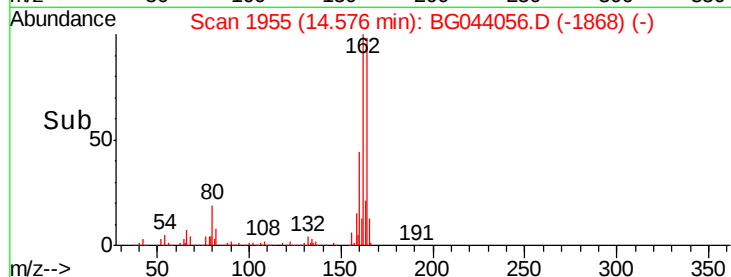
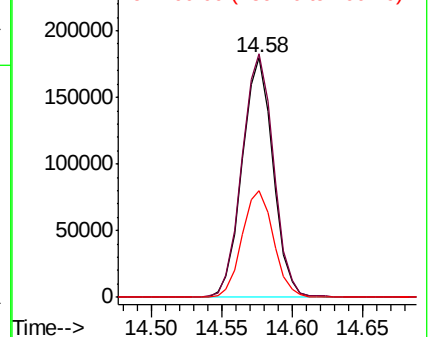
160 44.6 36.1 54.1



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: 114.369 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044056.D

Acq: 15 Jan 2020 19:09

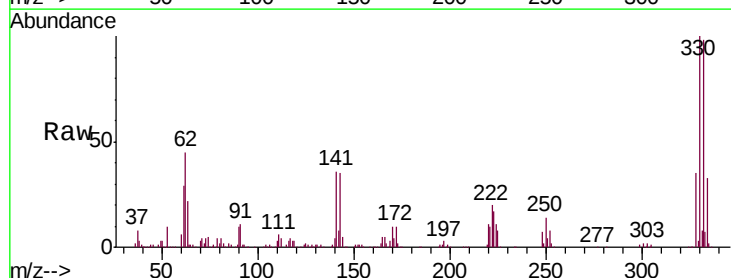
Tgt Ion:330 Resp: 329521

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

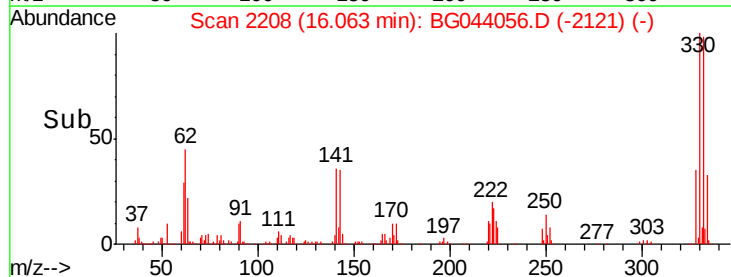
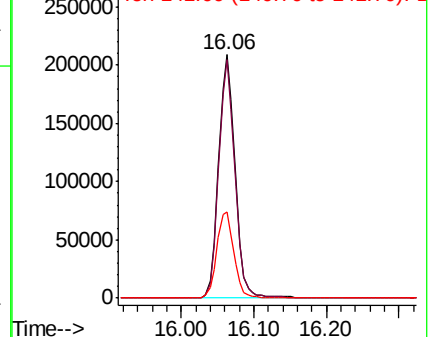
141 36.6 33.1 49.7

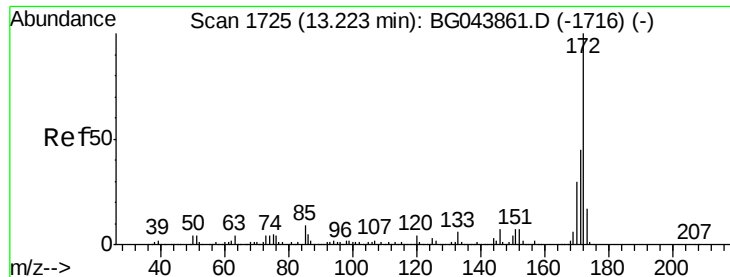


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

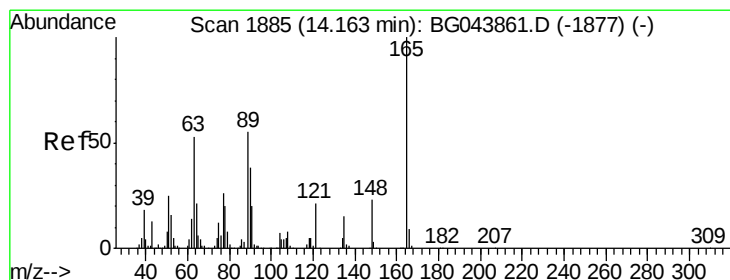
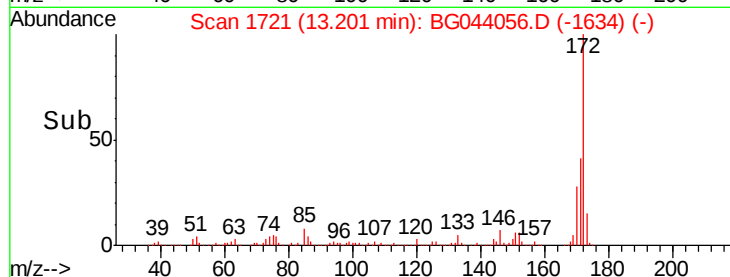
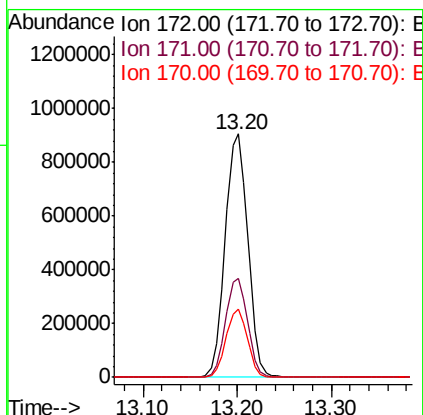
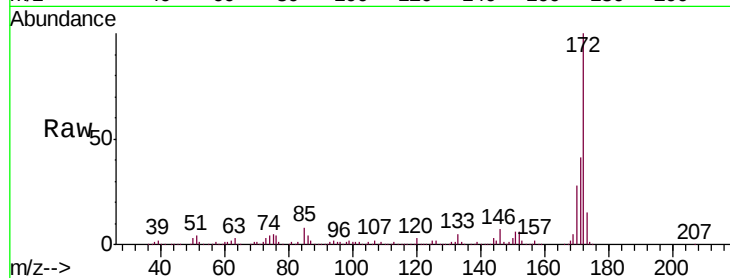




#45
 2-Fluorobiphenyl
 Concen: 99.980 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044056.D
 Acq: 15 Jan 2020 19:09

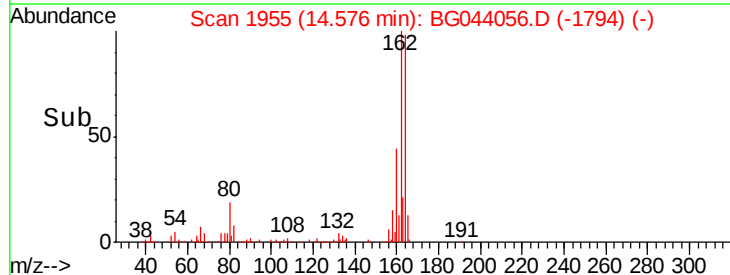
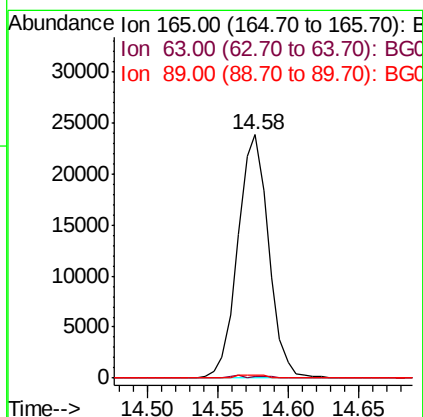
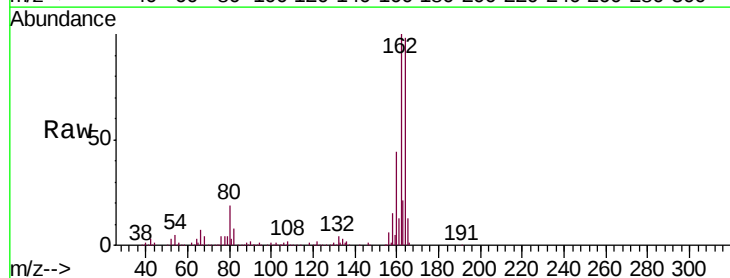
Instrument :
 BNA_G
 ClientSampleId :
 PB126095BL

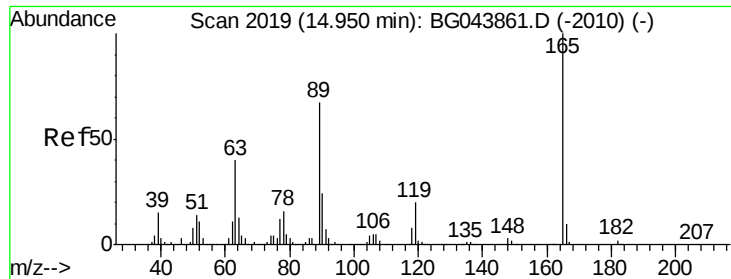
Tgt Ion:172 Resp: 1519338
 Ion Ratio Lower Upper
 172 100
 171 40.8 35.8 53.8
 170 27.9 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.239 ng
 RT: 14.58 min Scan# 1955
 Delta R.T. 0.41 min
 Lab File: BG044056.D
 Acq: 15 Jan 2020 19:09

Tgt Ion:165 Resp: 36403
 Ion Ratio Lower Upper
 165 100
 63 0.8 43.1 64.7#
 89 1.4 43.8 65.6#

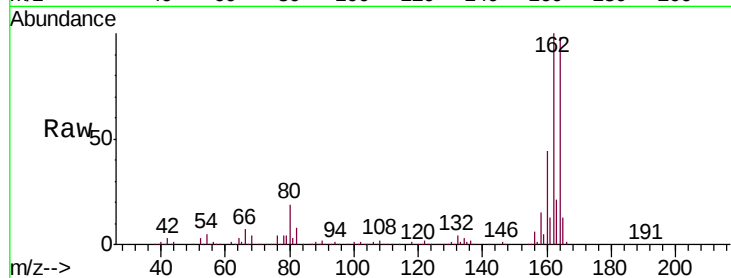




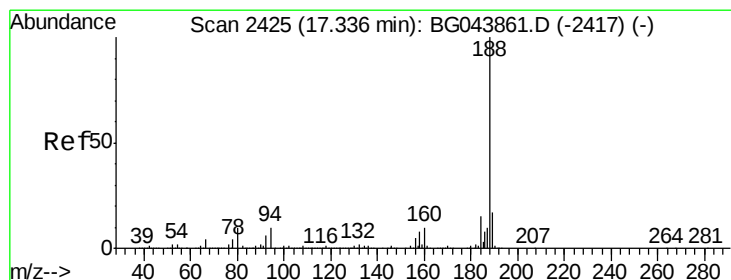
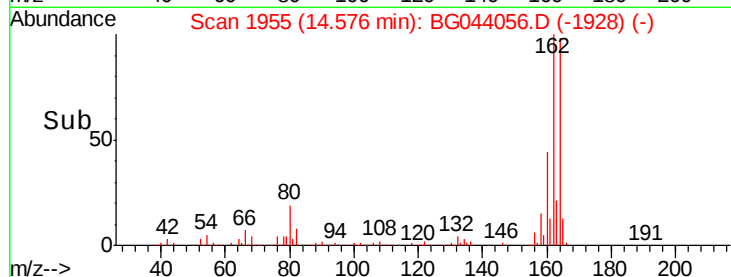
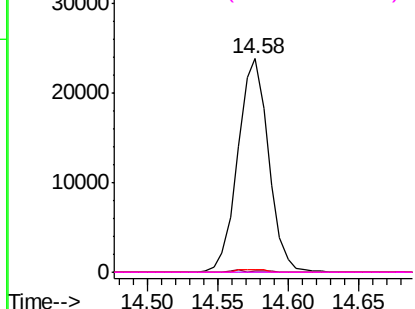
#57
 2,4-Dinitrotoluene
 Concen: 6.055 ng
 RT: 14.58 min Scan# 1955
 Delta R.T. -0.37 min
 Lab File: BG044056.D
 Acq: 15 Jan 2020 19:09

Instrument :
 BNA_G
 ClientSampleId :
 PB126095BL

Tgt Ion:	165	Resp:	36403
Ion	Ratio	Lower	Upper
165	100		
63	0.8	31.9	47.9#
89	1.4	53.8	80.6#
182	0.0	2.0	3.0#

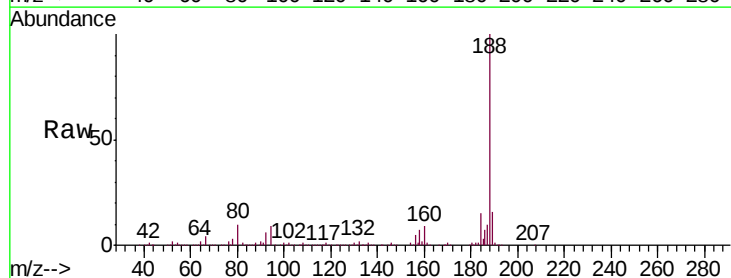


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

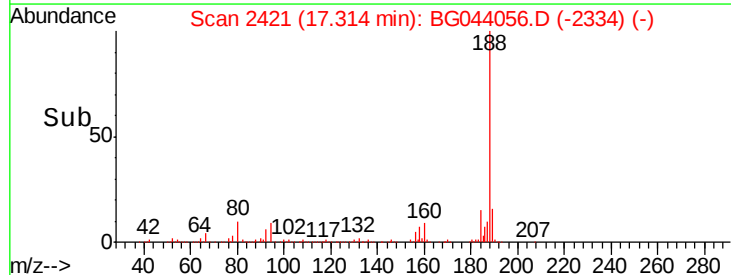
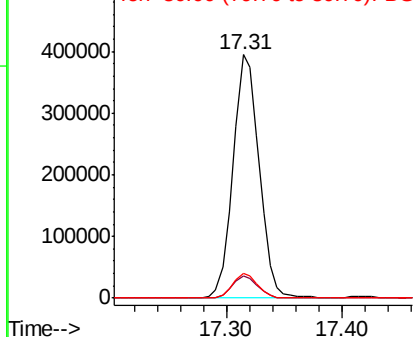


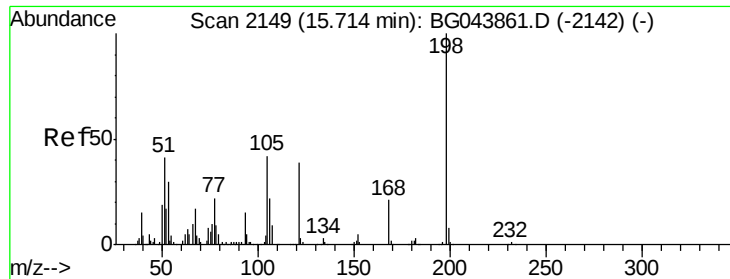
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2421
 Delta R.T. -0.02 min
 Lab File: BG044056.D
 Acq: 15 Jan 2020 19:09

Tgt Ion:	188	Resp:	617371
Ion	Ratio	Lower	Upper
188	100		
94	9.0	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

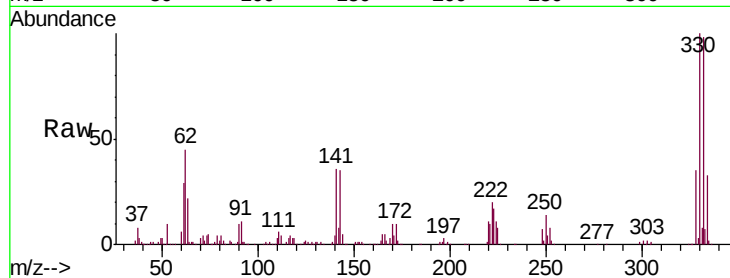




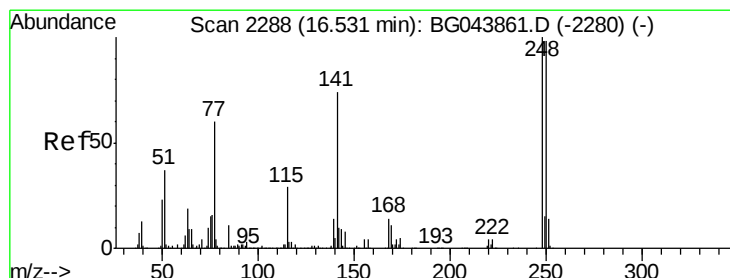
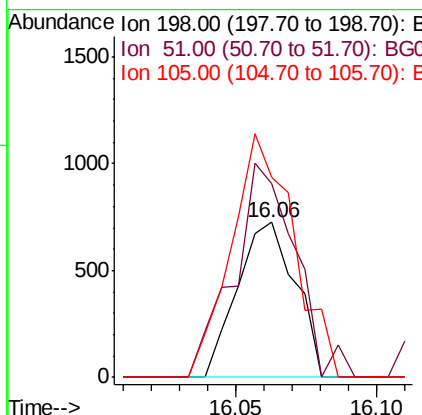
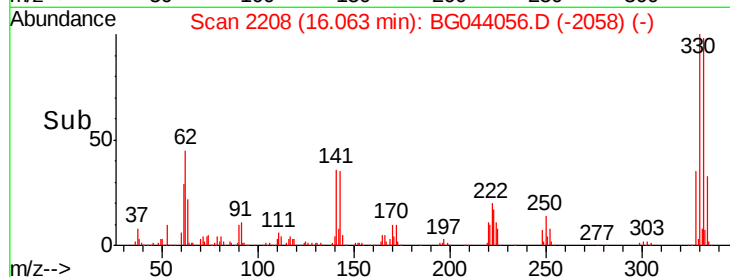
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.685 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. 0.35 min
 Lab File: BG044056.D
 Acq: 15 Jan 2020 19:09

Instrument :
 BNA_G
 ClientSampleId :
 PB126095BL

Tgt Ion:198 Resp: 1033
 Ion Ratio Lower Upper
 198 100
 51 124.8 22.5 62.5#
 105 128.8 22.3 62.3#

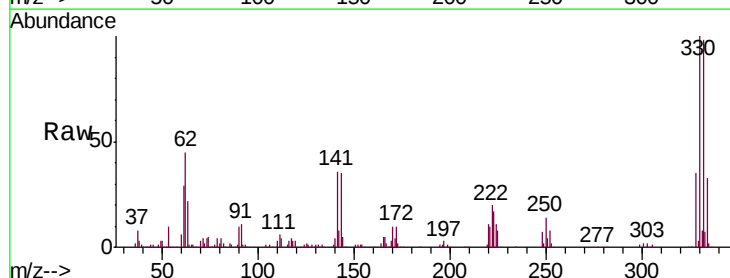


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

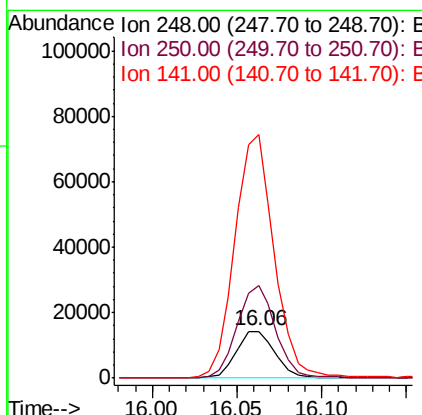
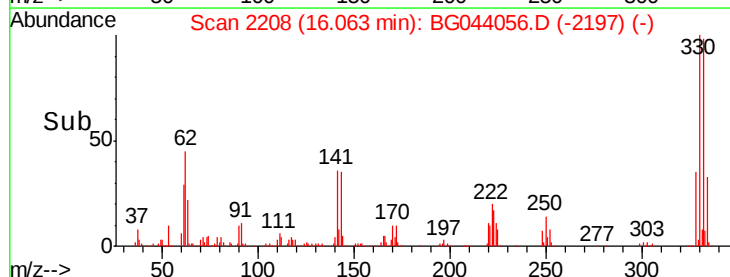


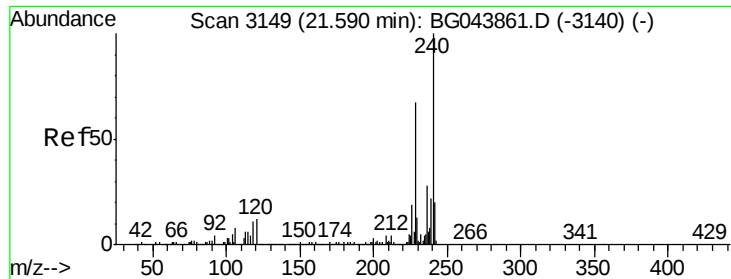
#67
 4-Bromophenyl-phenylether
 Concen: 3.292 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.47 min
 Lab File: BG044056.D
 Acq: 15 Jan 2020 19:09

Tgt Ion:248 Resp: 22857
 Ion Ratio Lower Upper
 248 100
 250 198.9 78.2 117.2#
 141 519.8 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

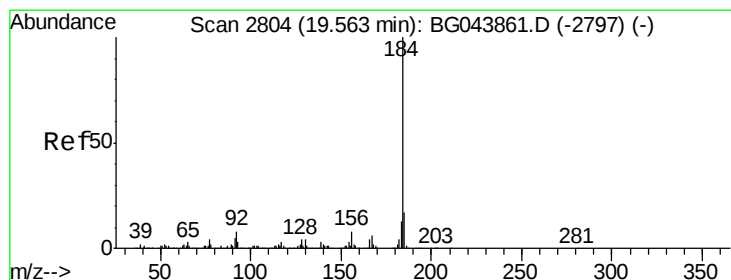
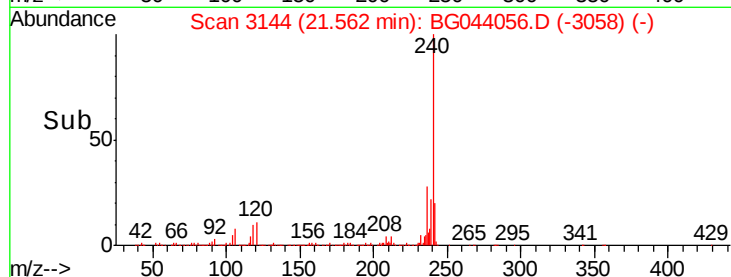
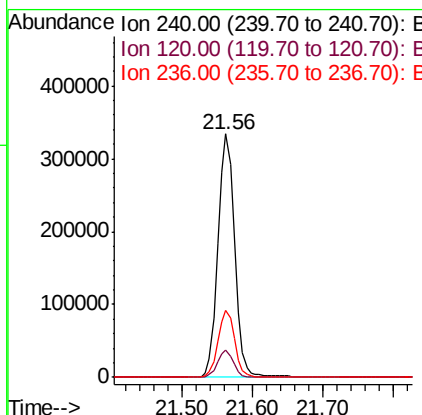
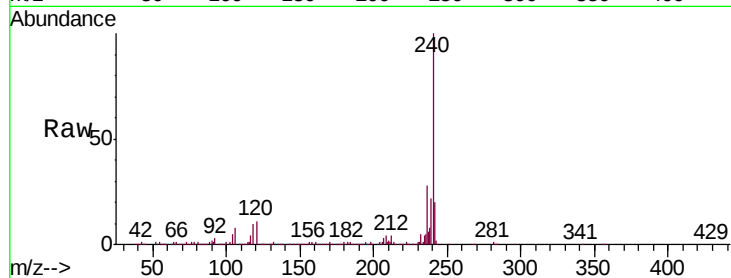




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.03 min
Lab File: BG044056.D
Acq: 15 Jan 2020 19:09

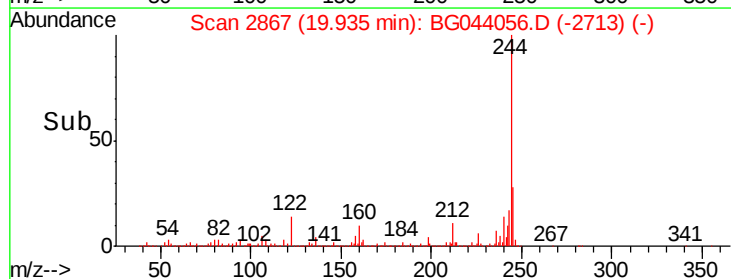
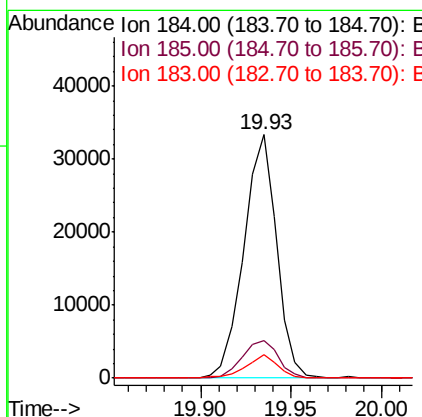
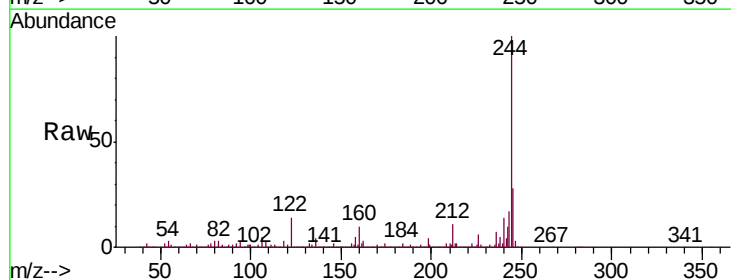
Instrument :
BNA_G
ClientSampleId :
PB126095BL

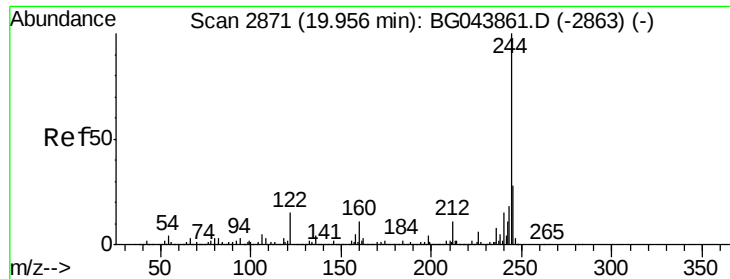
Tgt Ion:240 Resp: 554490
Ion Ratio Lower Upper
240 100
120 11.2 9.6 14.4
236 27.7 22.2 33.2



#77
Benzidine
Concen: 3.014 ng
RT: 19.93 min Scan# 2867
Delta R.T. 0.37 min
Lab File: BG044056.D
Acq: 15 Jan 2020 19:09

Tgt Ion:184 Resp: 42012
Ion Ratio Lower Upper
184 100
185 15.6 13.4 20.0
183 9.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 103.260 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.02 min

Lab File: BG044056.D

Acq: 15 Jan 2020 19:09

Instrument :

BNA_G

ClientSampleId :

PB126095BL

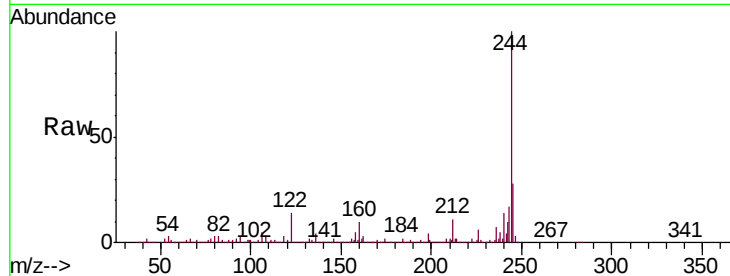
Tgt Ion:244 Resp: 2248764

Ion Ratio Lower Upper

244 100

212 10.6 8.6 13.0

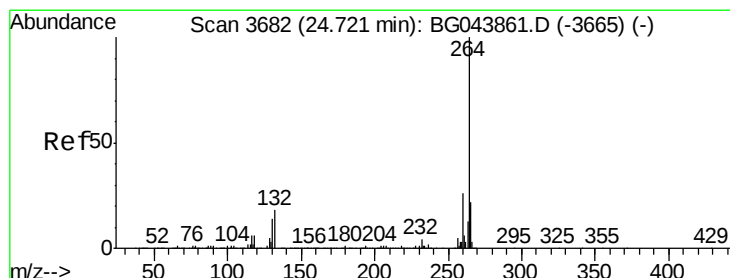
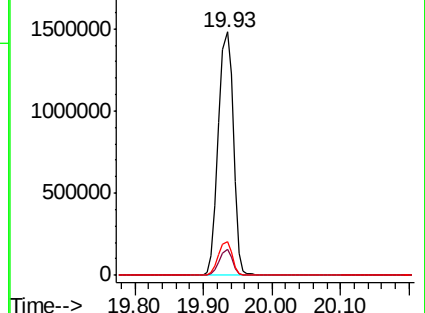
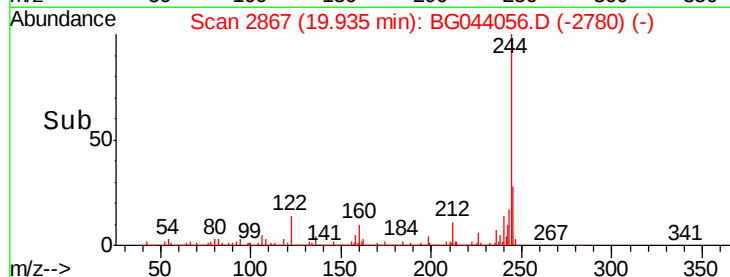
122 13.9 11.9 17.9



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: BG044056.D

Acq: 15 Jan 2020 19:09

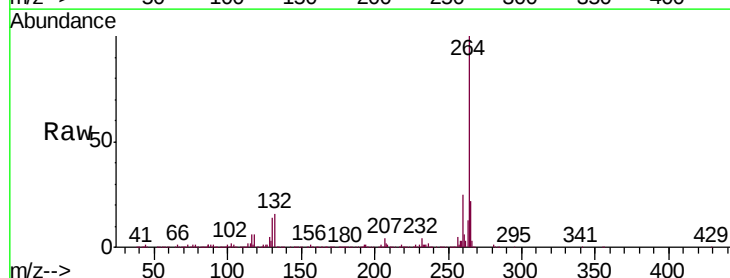
Tgt Ion:264 Resp: 615727

Ion Ratio Lower Upper

264 100

260 24.8 20.4 30.6

265 22.1 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

