

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\
 Data File : BG044216.D
 Acq On : 27 Jan 2020 15:32
 Operator : CG/JU
 Sample : PB126367BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB126367BL

Quant Time: Jan 28 00:39:19 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

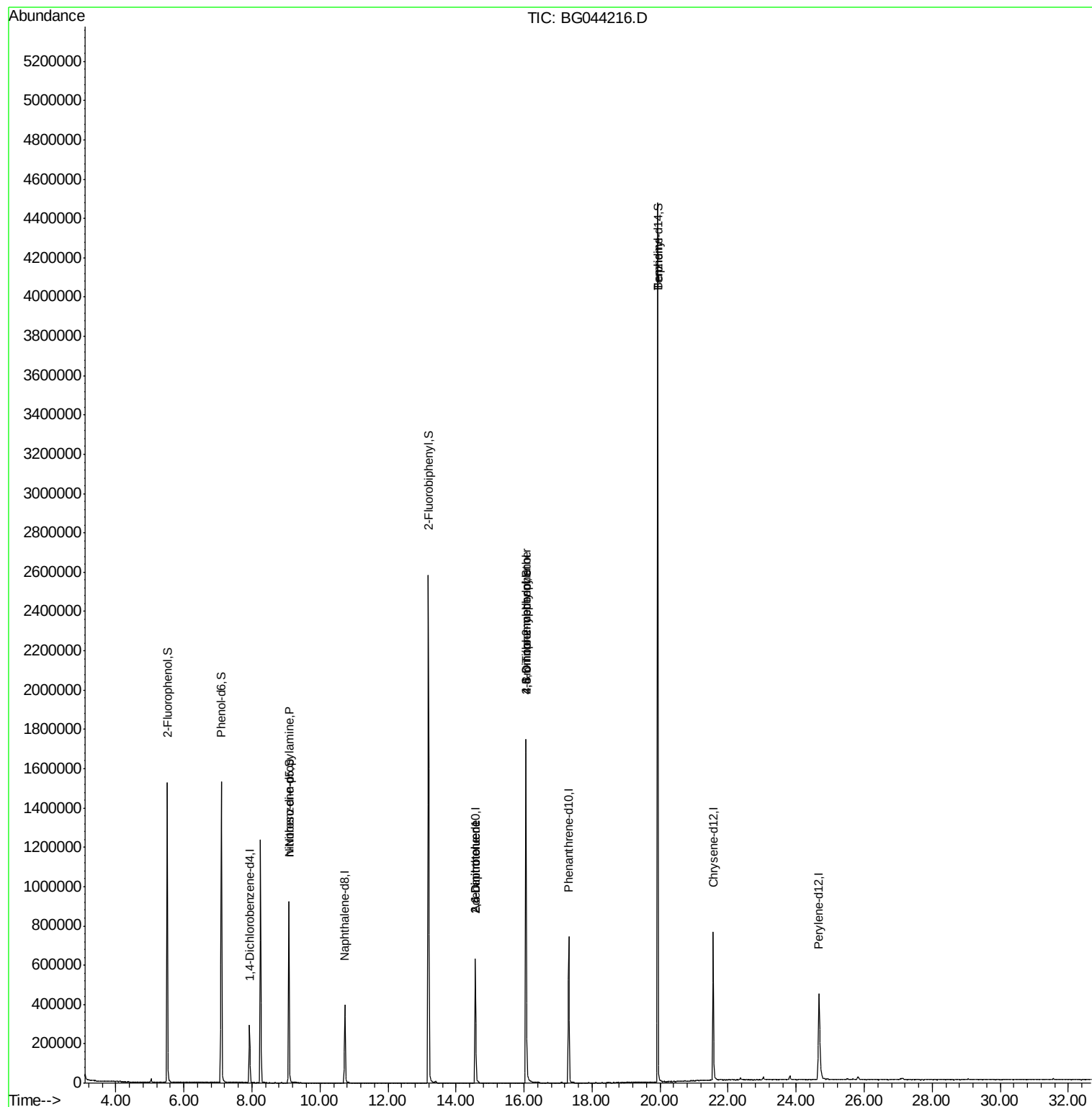
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	88263	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	387086	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	265381	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	530306	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	465704	20.00	ng	-0.03
87) Perylene-d12	24.67	264	511168	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	749395	155.90	ng	-0.03
7) Phenol-d6	7.10	99	992880	147.76	ng	-0.02
23) Nitrobenzene-d5	9.09	82	606332	83.80	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	392623	141.38	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1484104	101.32	ng	-0.03
79) Terphenyl-d14	19.93	244	2118478	122.21	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	80504	16.088	ng	# 76
51) 2,6-Dinitrotoluene	14.56	165	34224	8.036	ng	# 27
57) 2,4-Dinitrotoluene	14.56	165	34378	5.932	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1003	4.723	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	27129	4.549	ng	# 1
77) Benzidine	19.93	184	36461	3.115	ng	# 89

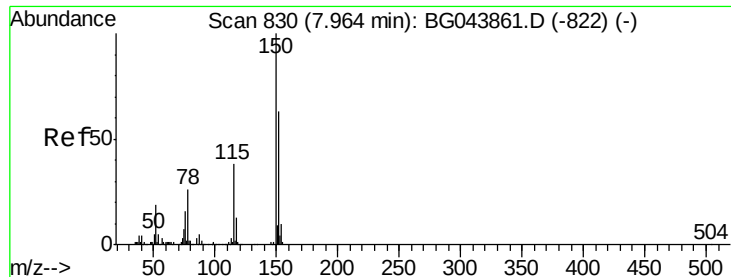
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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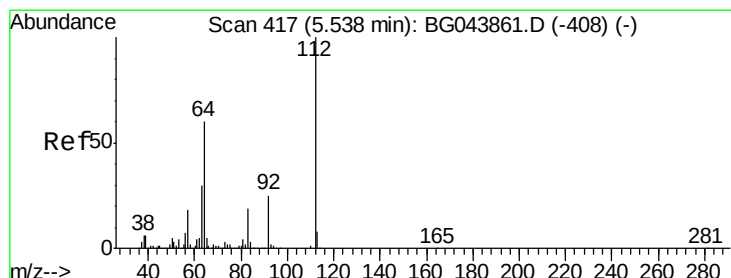
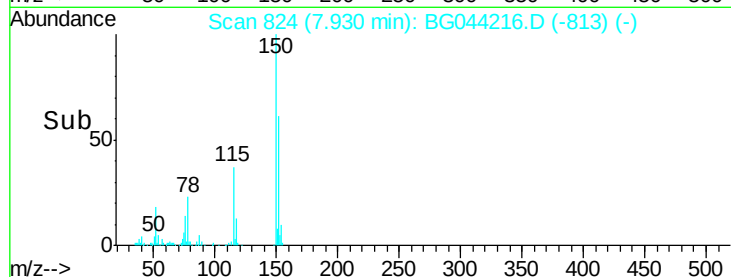
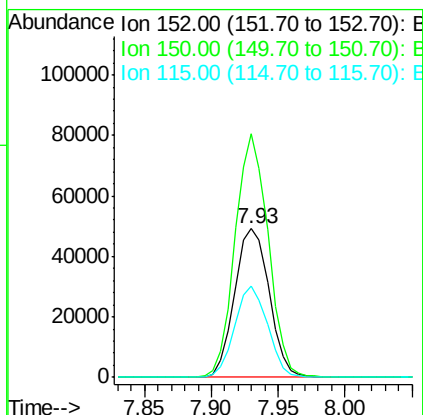
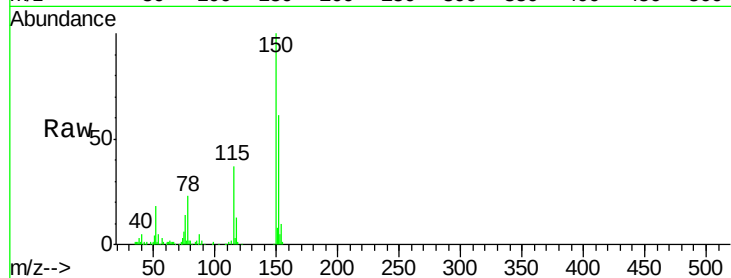


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044216.D
Acq: 27 Jan 2020 15:32

Instrument :
BNA_G
ClientSampleId :
PB126367BL

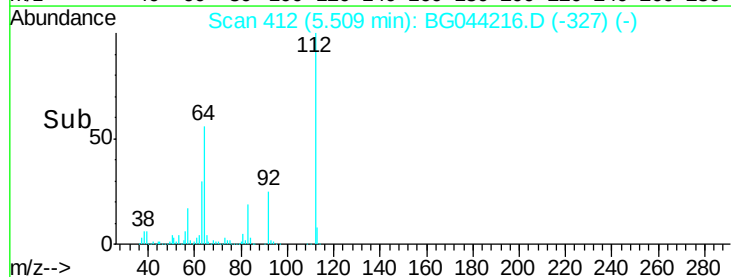
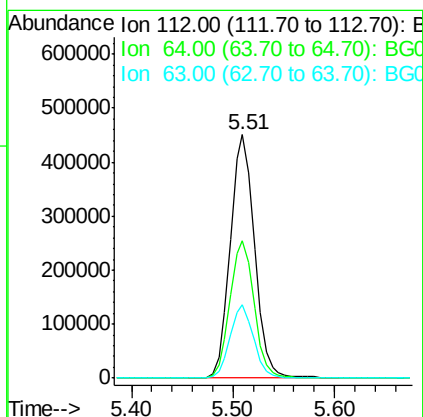
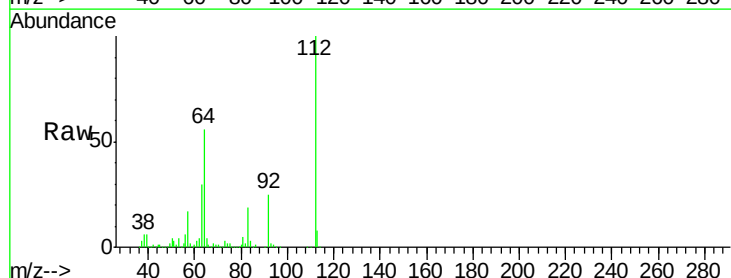
Tot Ion:152 Resp: 88263
Ion Ratio Lower Upper
152 100
150 163.7 127.0 190.4
115 61.4 47.8 71.8

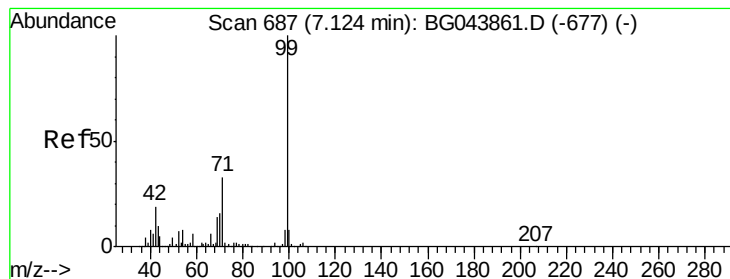


#5

2-Fluorophenol
Concen: 155.895 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044216.D
Acq: 27 Jan 2020 15:32

Tgt Ion:112 Resp: 749395
Ion Ratio Lower Upper
112 100
64 56.5 47.8 71.6
63 30.1 24.3 36.5





#7

Phenol-d6

Concen: 147.764 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044216.D

Acq: 27 Jan 2020 15:32

Instrument :

BNA_G

ClientSampleId :

PB126367BL

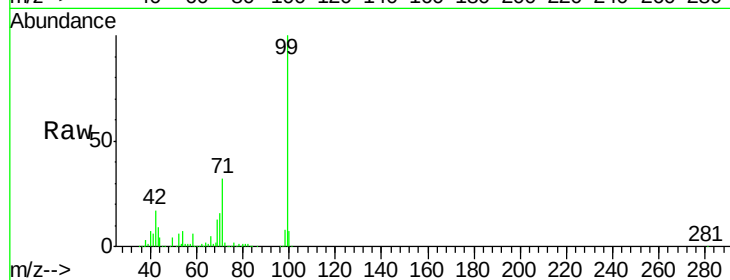
Tot Ion: 99 Resp: 992880

Ion Ratio Lower Upper

99 100

42 17.5 14.9 22.3

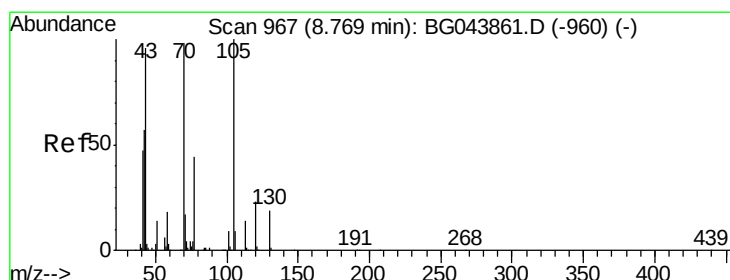
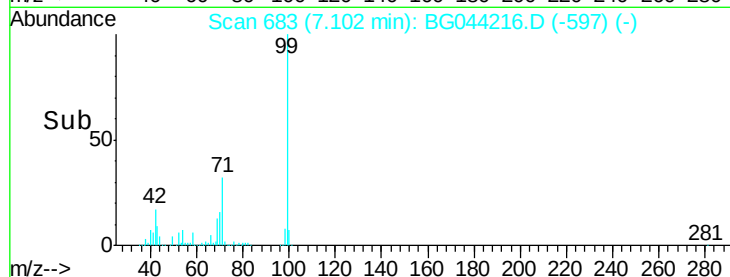
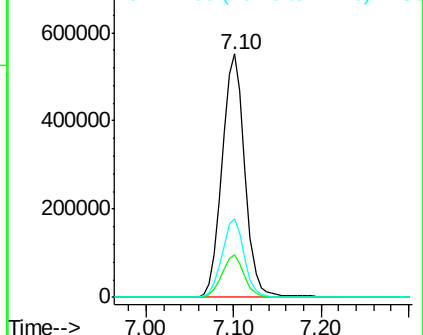
71 32.3 26.4 39.6



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: 16.088 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044216.D

Acq: 27 Jan 2020 15:32

Tgt Ion: 70 Resp: 80504

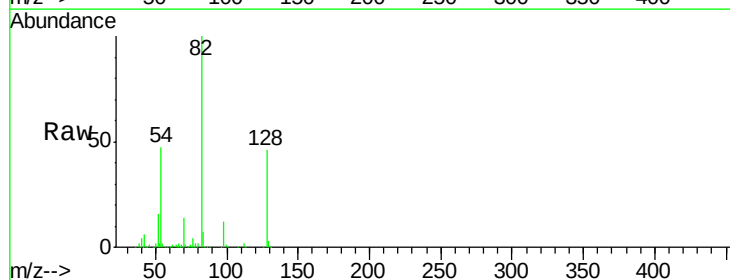
Ion Ratio Lower Upper

70 100

42 43.9 47.0 70.4#

101 0.0 7.2 10.8#

130 2.1 15.6 23.4#

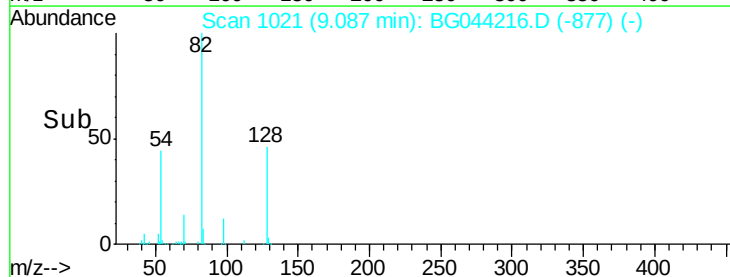
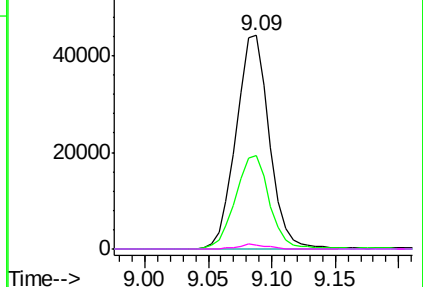


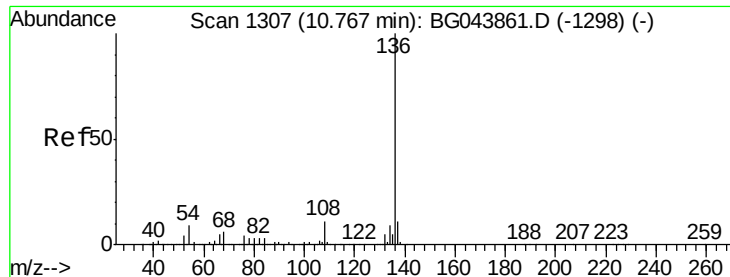
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

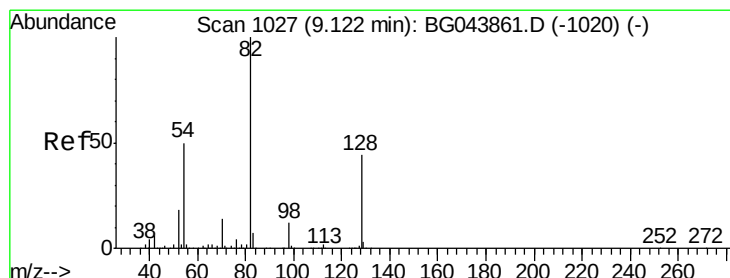
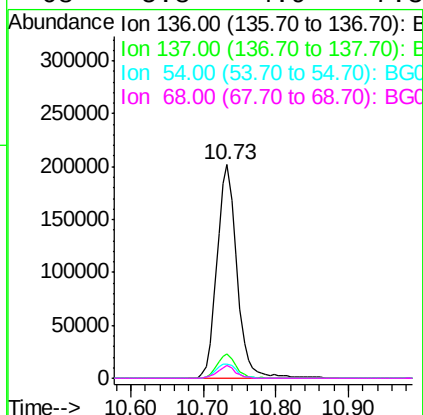
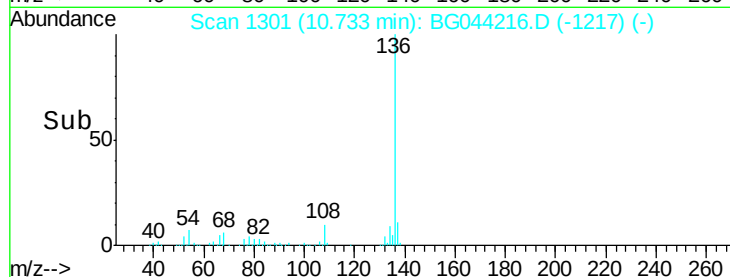
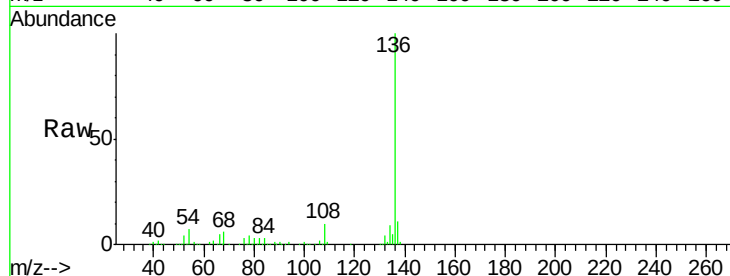




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044216.D
Acq: 27 Jan 2020 15:32

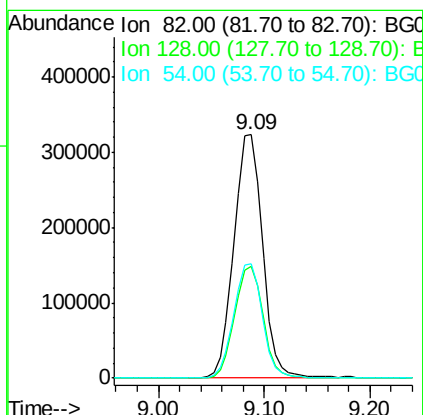
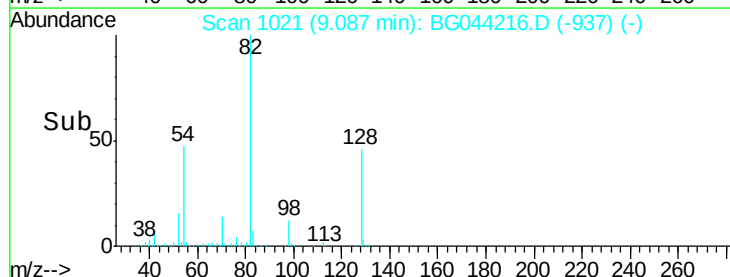
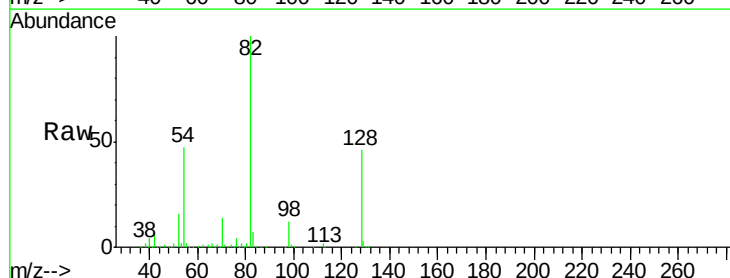
Instrument :
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PB126367BL

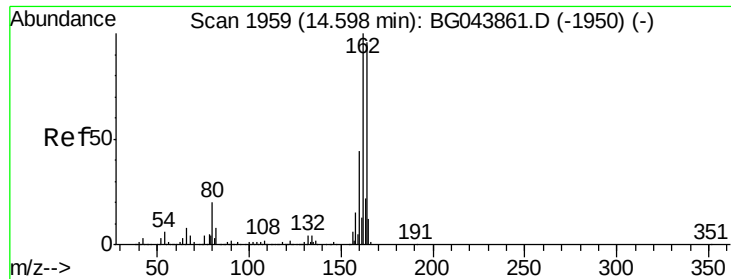
Tot Ion:136	Resp:	387086
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.8 13.2
54	6.9	7.0 10.4#
68	5.8	4.9 7.3



#23
Nitrobenzene-d5
Concen: 83.796 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044216.D
Acq: 27 Jan 2020 15:32

Tgt Ion: 82	Resp:	606332
Ion	Ratio	Lower Upper
82	100	
128	45.8	35.1 52.7
54	46.9	40.1 60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044216.D

Acq: 27 Jan 2020 15:32

Instrument :

BNA_G

ClientSampleId :

PB126367BL

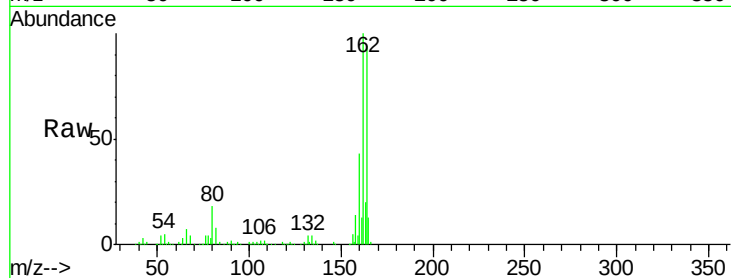
Tot Ion:164 Resp: 265381

Ion Ratio Lower Upper

164 100

162 106.2 83.0 124.4

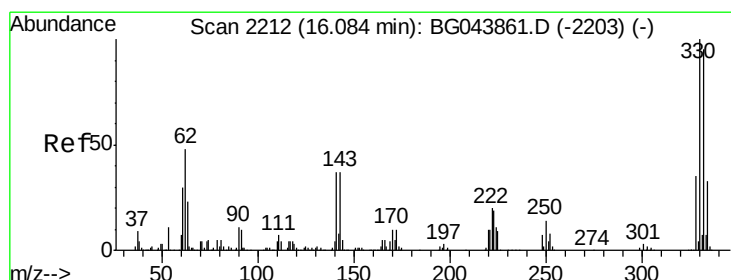
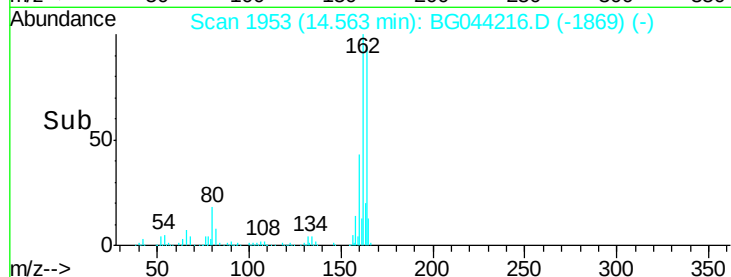
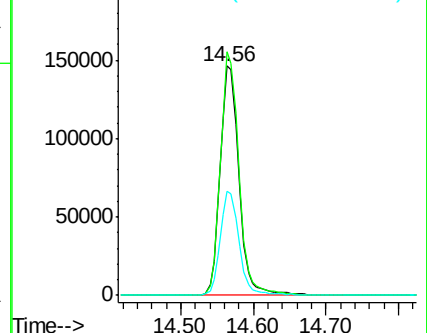
160 45.3 36.1 54.1



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: 141.376 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044216.D

Acq: 27 Jan 2020 15:32

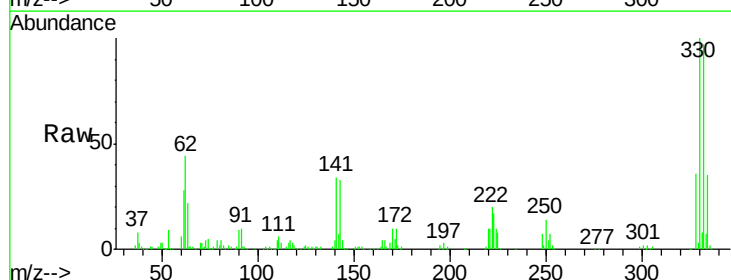
Tgt Ion:330 Resp: 392623

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

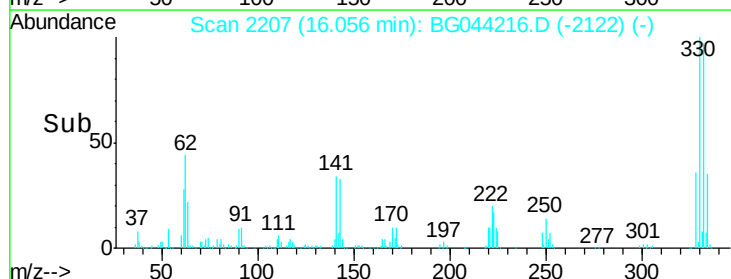
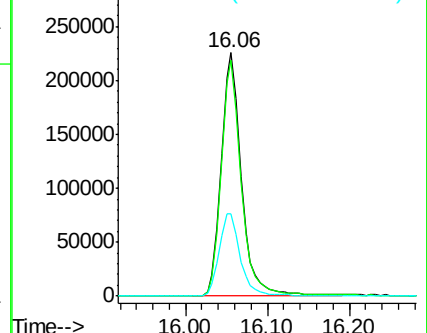
141 35.6 33.1 49.7

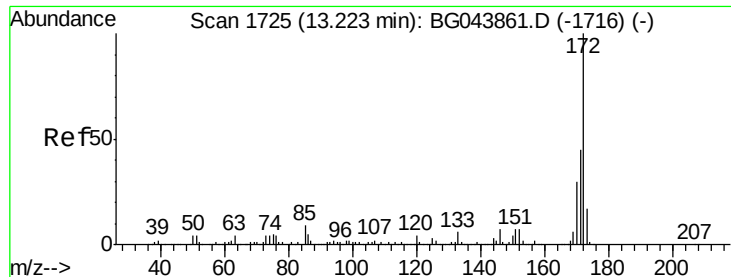


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

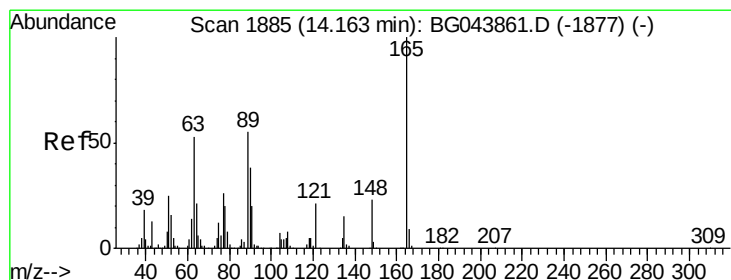
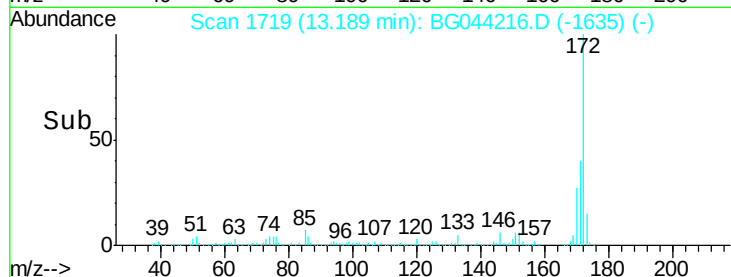
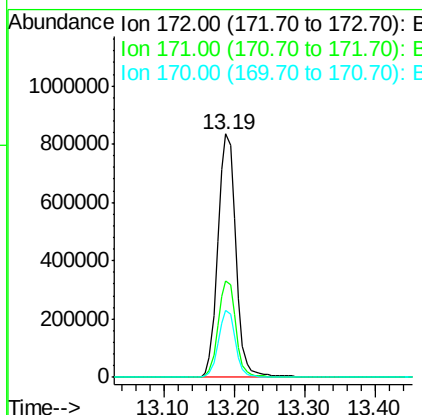
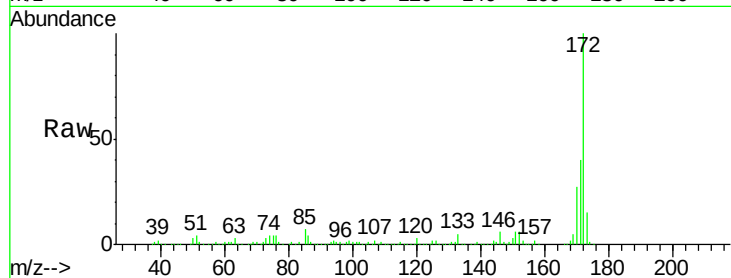




#45
 2-Fluorobiphenyl
 Concen: 101.321 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044216.D
 Acq: 27 Jan 2020 15:32

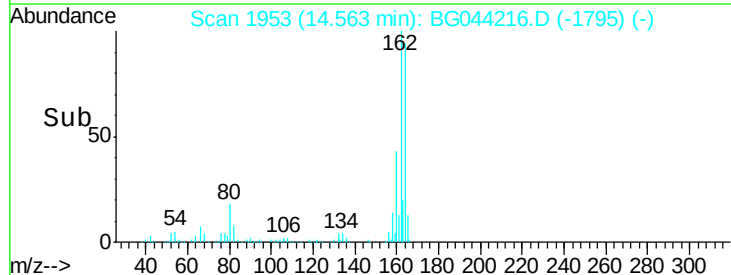
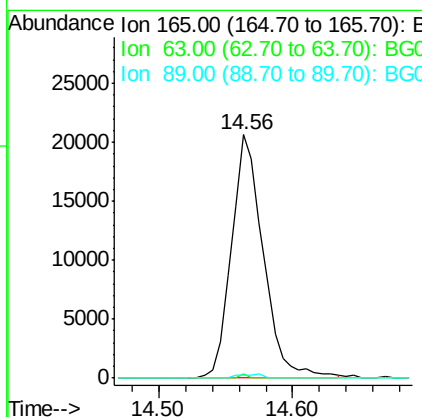
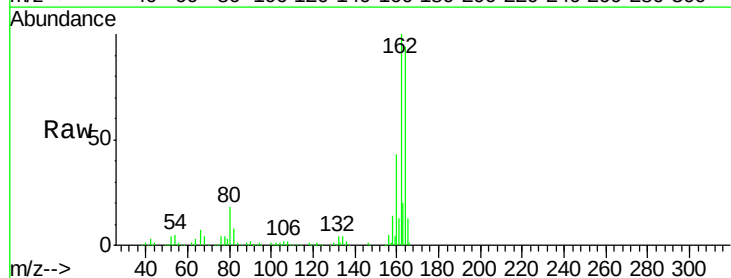
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 PB126367BL

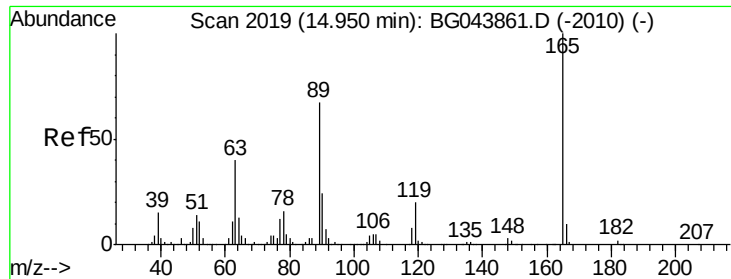
Tot Ion:172 Resp: 1484104
 Ion Ratio Lower Upper
 172 100
 171 39.6 35.8 53.8
 170 27.4 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.036 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.40 min
 Lab File: BG044216.D
 Acq: 27 Jan 2020 15:32

Tgt Ion:165 Resp: 34224
 Ion Ratio Lower Upper
 165 100
 63 1.9 43.1 64.7#
 89 1.5 43.8 65.6#

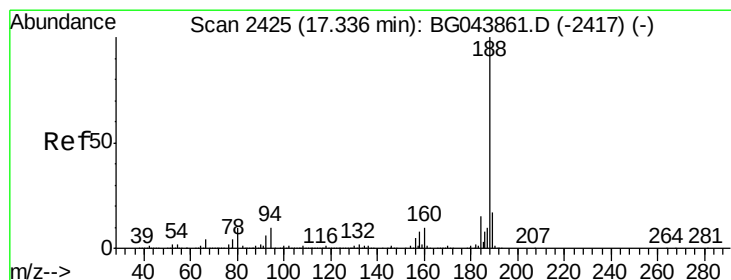
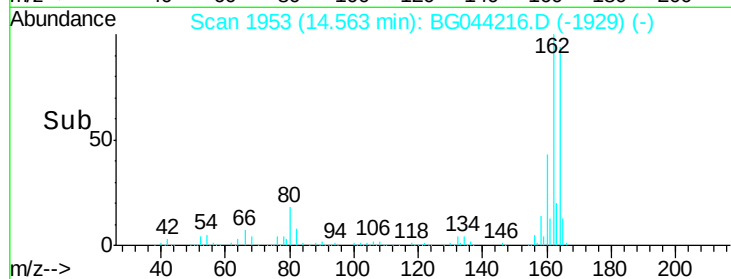
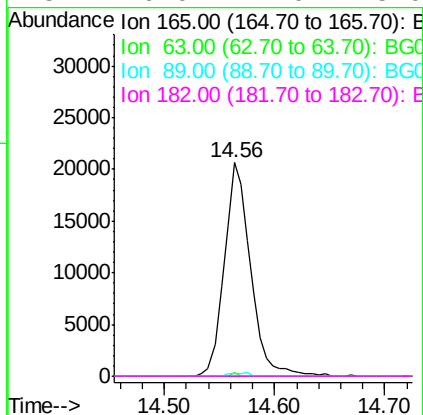
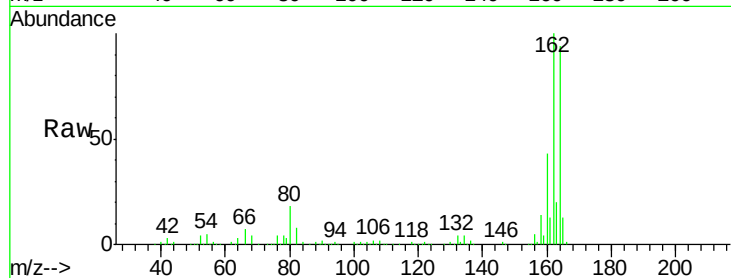




#57
 2,4-Dinitrotoluene
 Concen: 5.932 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044216.D
 Acq: 27 Jan 2020 15:32

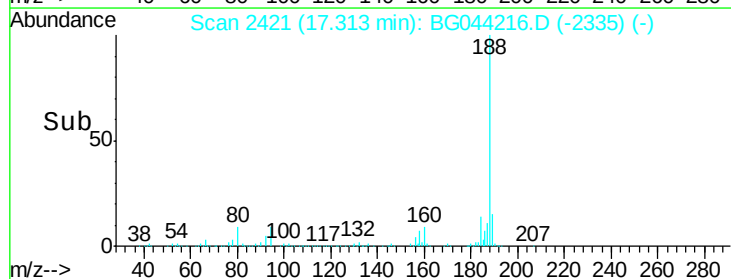
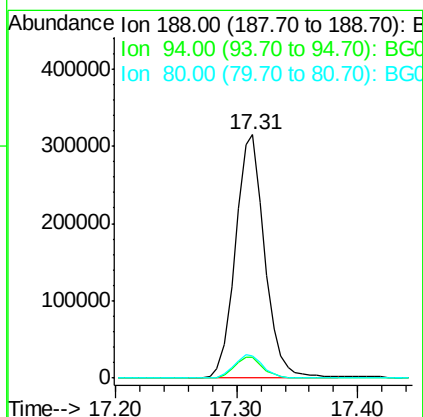
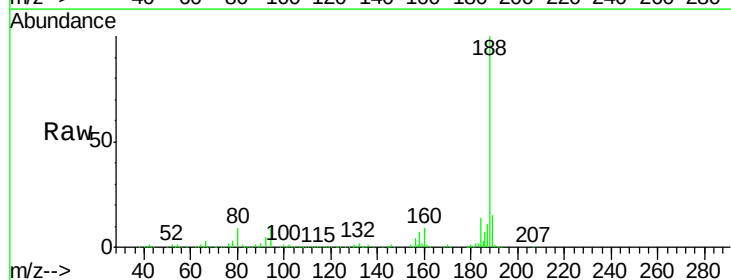
Instrument :
 BNA_G
 ClientSampleId :
 PB126367BL

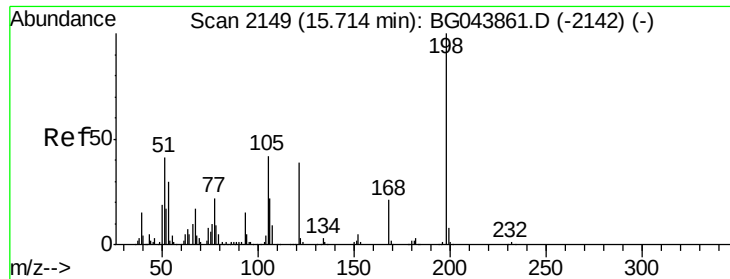
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	31.9	47.9#
89	1.5	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2421
 Delta R.T. -0.02 min
 Lab File: BG044216.D
 Acq: 27 Jan 2020 15:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.9	11.9
80	9.1	8.2	12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 4.723 ng

RT: 16.06 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044216.D

Acq: 27 Jan 2020 15:32

Instrument :

BNA_G

ClientSampleId :

PB126367BL

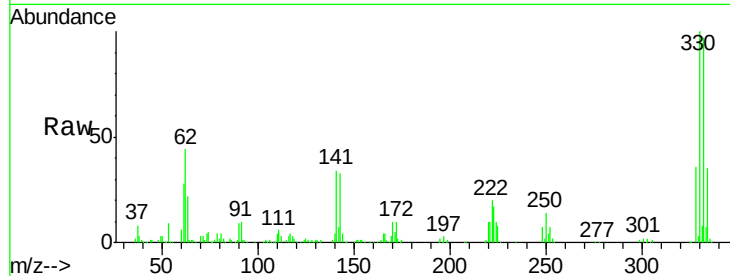
Tot Ion:198 Resp: 1003

Ion Ratio Lower Upper

198 100

51 96.9 22.5 62.5#

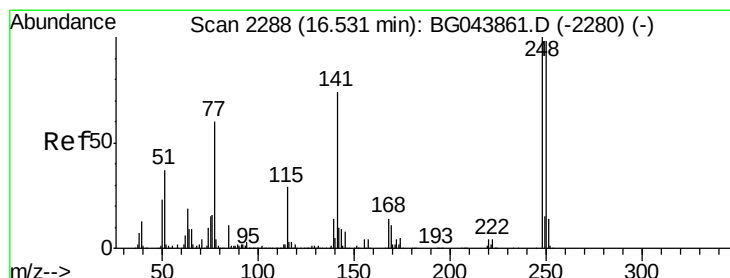
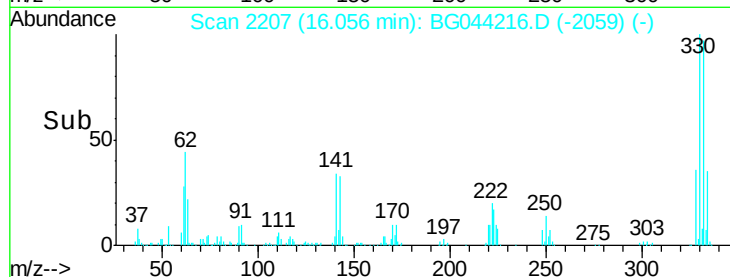
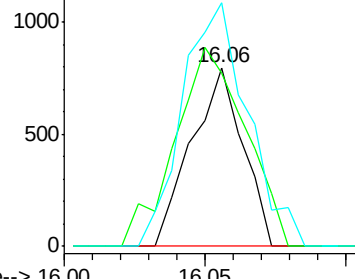
105 136.5 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.549 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.48 min

Lab File: BG044216.D

Acq: 27 Jan 2020 15:32

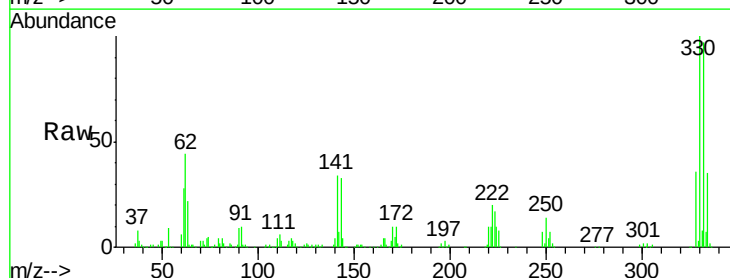
Tgt Ion:248 Resp: 27129

Ion Ratio Lower Upper

248 100

250 194.3 78.2 117.2#

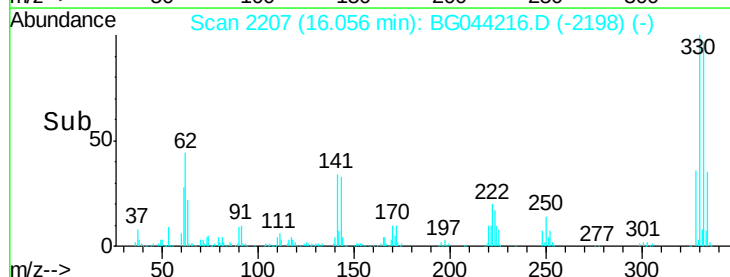
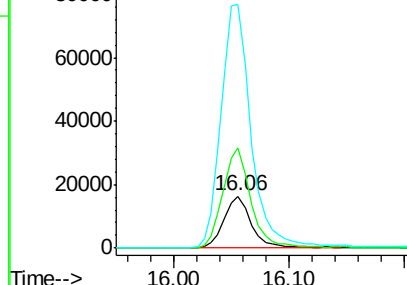
141 471.7 59.3 88.9#

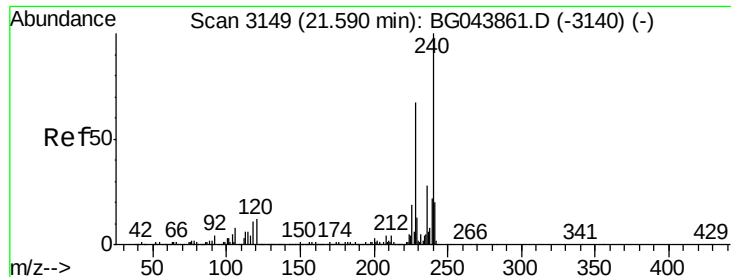


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG044216.D

Acq: 27 Jan 2020 15:32

Instrument :

BNA_G

ClientSampleId :

PB126367BL

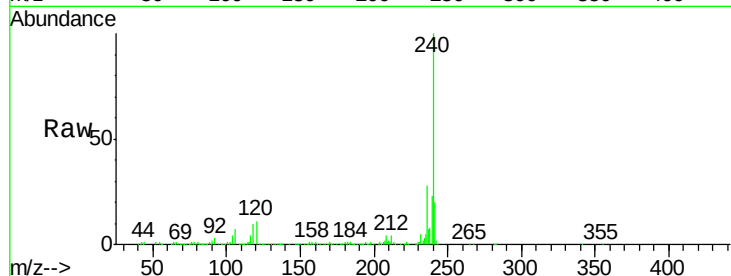
Tot Ion:240 Resp: 465704

Ion Ratio Lower Upper

240 100

120 10.7 9.6 14.4

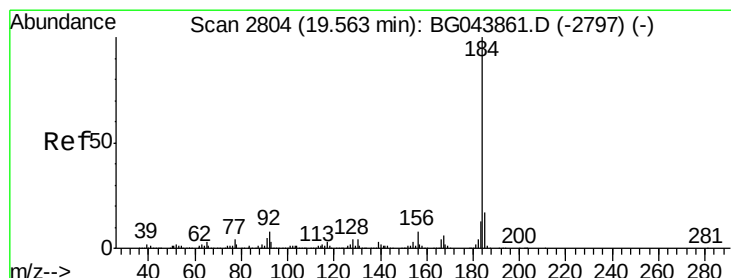
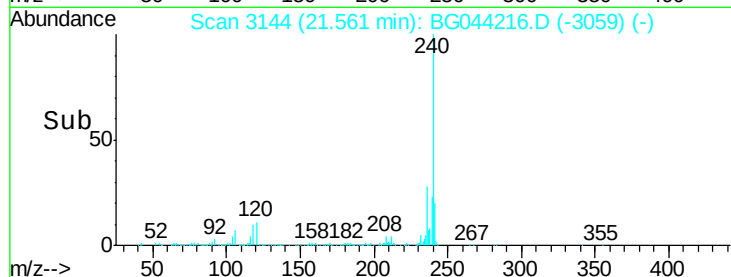
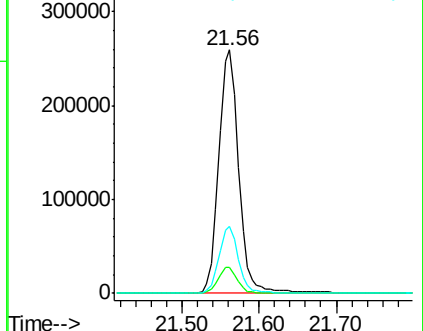
236 27.6 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 3.115 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.37 min

Lab File: BG044216.D

Acq: 27 Jan 2020 15:32

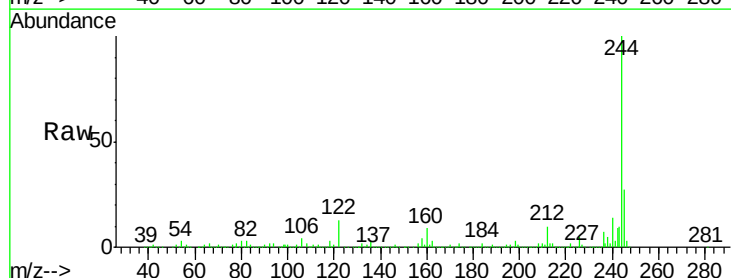
Tgt Ion:184 Resp: 36461

Ion Ratio Lower Upper

184 100

185 14.3 13.4 20.0

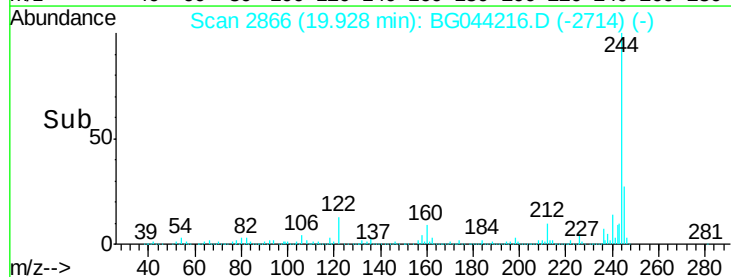
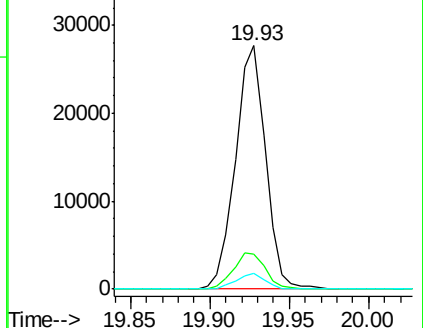
183 6.4 10.6 15.8#

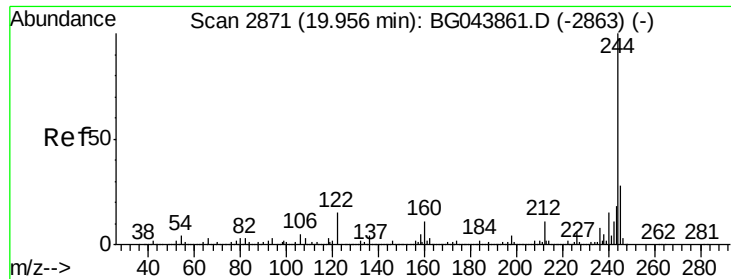


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 122.211 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044216.D

Acq: 27 Jan 2020 15:32

Instrument :

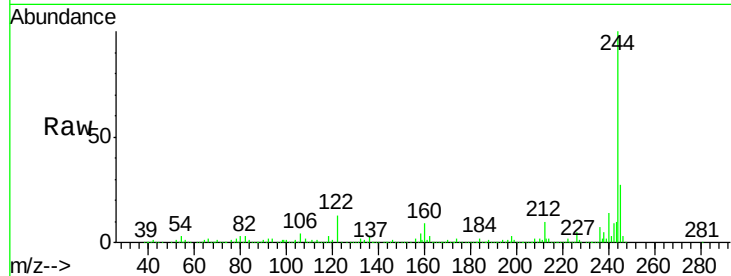
BNA_G

ClientSampleId :

PB126367BL

Tot Ion:244 Resp: 2118478

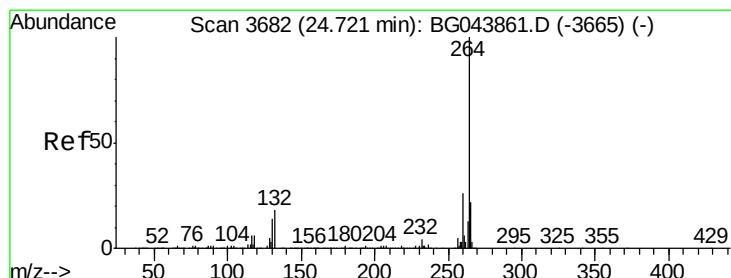
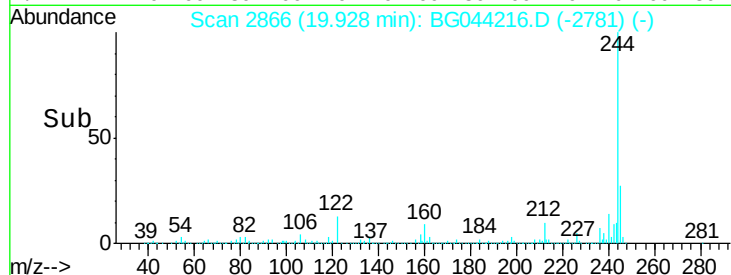
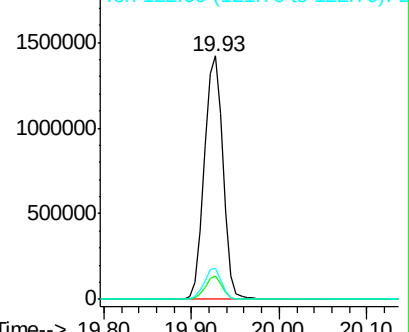
Ion	Ratio	Lower	Upper
244	100		
212	9.6	8.6	13.0
122	12.7	11.9	17.9



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

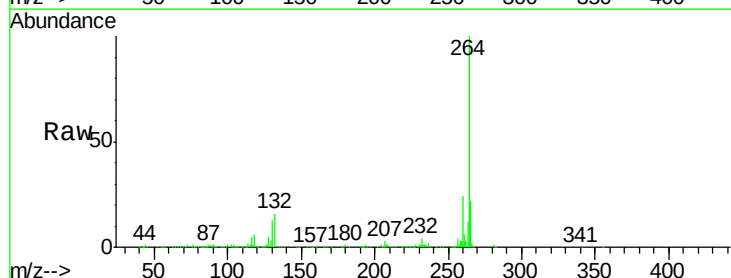
Delta R.T. -0.05 min

Lab File: BG044216.D

Acq: 27 Jan 2020 15:32

Tgt Ion:264 Resp: 511168

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.4	30.6
265	21.8	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

