

Data File : BG044105.D
Acq On : 20 Jan 2020 19:41
Operator : JU
Sample : L1166-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
QVD-WC-L-01

Quant Time: Jan 21 04:50:20 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

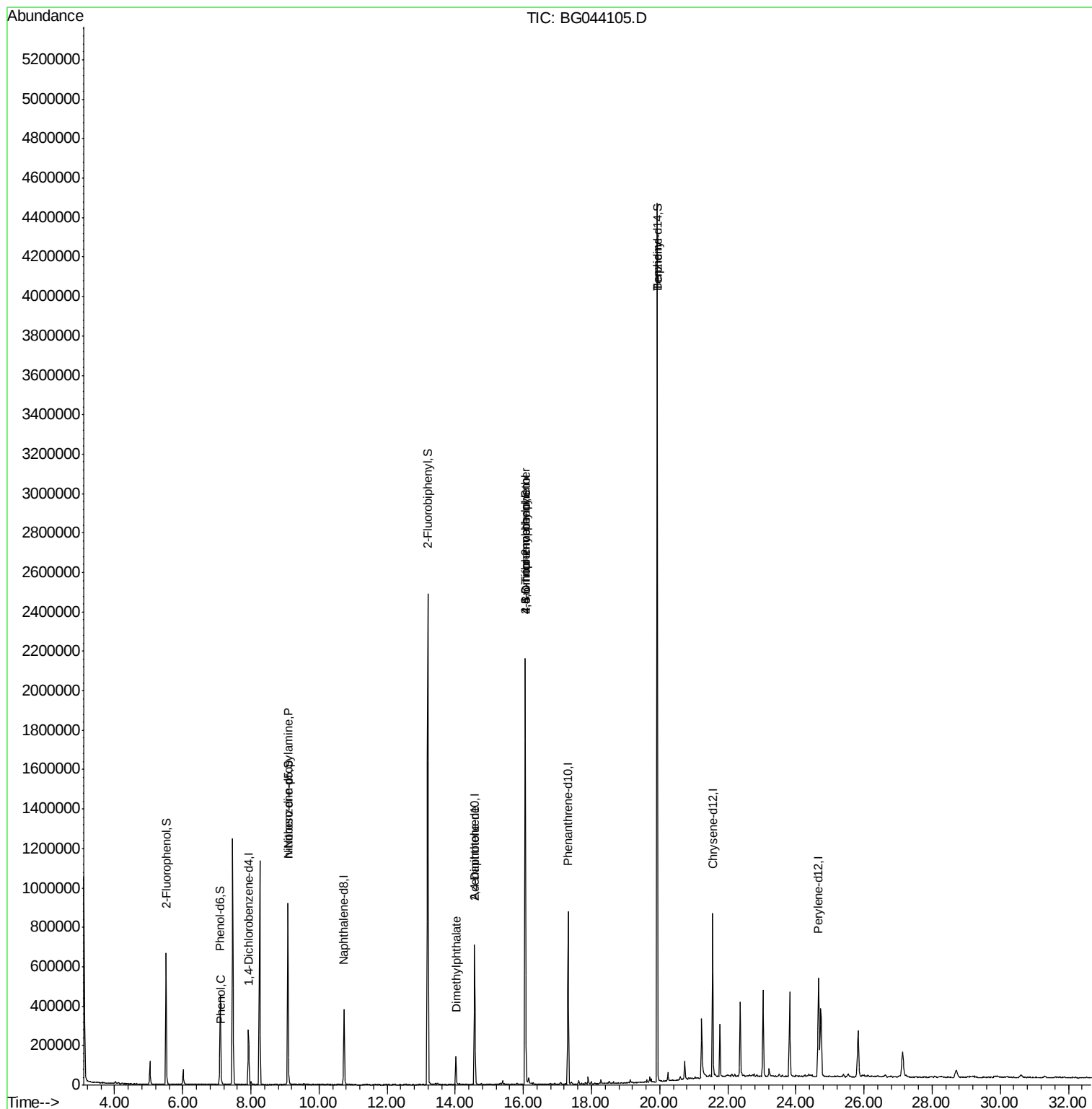
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	83640	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	361753	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	248849	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	543443	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	459071	20.00	ng	-0.03
87) Perylene-d12	24.67	264	511015	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	324876	71.32	ng	-0.03
7) Phenol-d6	7.10	99	286112	44.93	ng	-0.02
23) Nitrobenzene-d5	9.09	82	581764	86.03	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	408747	156.96	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1357093	98.80	ng	-0.03
79) Terphenyl-d14	19.93	244	1950570	110.43	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	15761	2.402	ng	98
19) n-Nitroso-di-n-propylamine	9.09	70	77845	16.416	ng	# 76
50) Dimethylphthalate	14.02	163	112590	6.372	ng	98
57) 2,4-Dinitrotoluene	14.57	165	32759	6.028	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.06	198	1238	4.791	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	28982	4.742	ng	# 1
77) Benizidine	19.93	184	35667	3.091	ng	# 92

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

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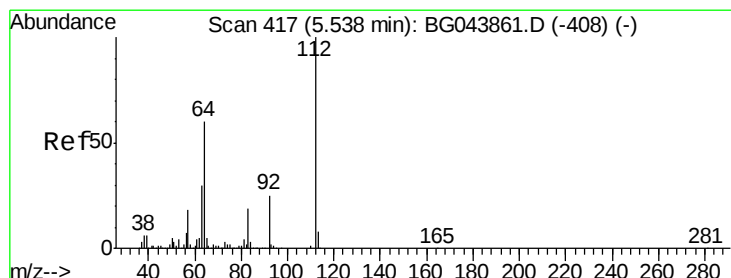
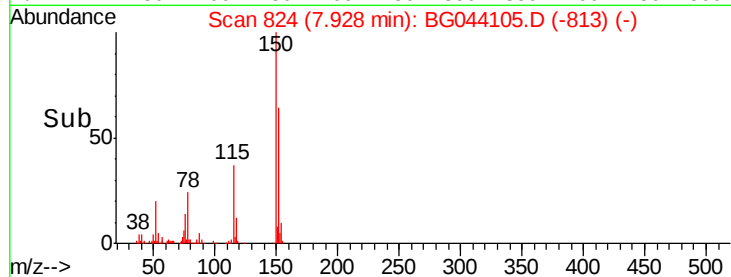
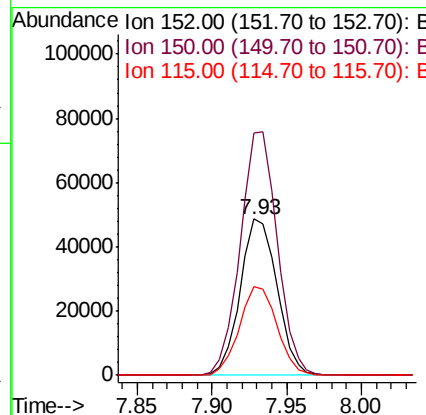
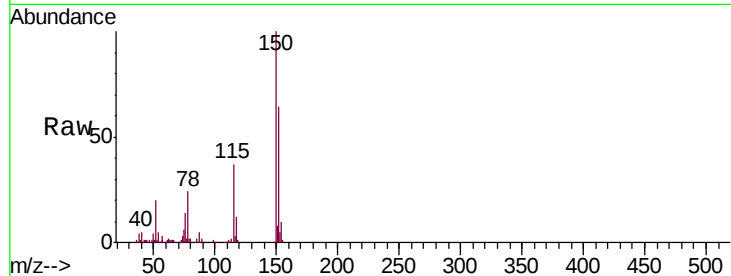


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044105.D
Acq: 20 Jan 2020 19:41

Instrument :
BNA_G
ClientSampleId :
QVD-WC-L-01

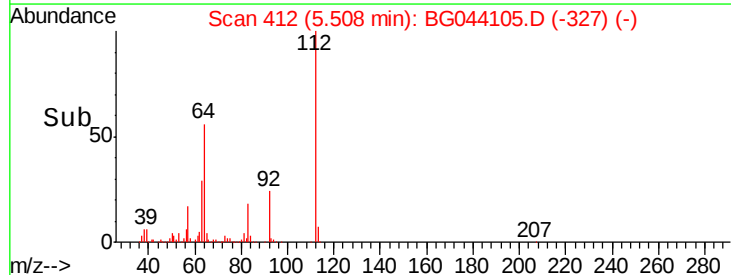
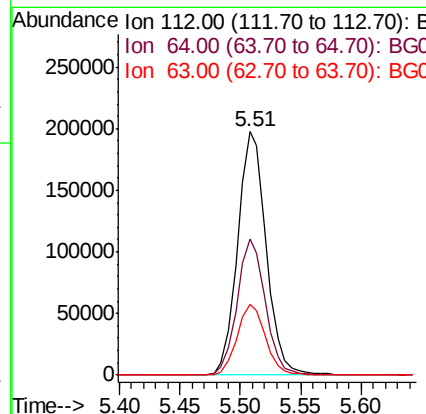
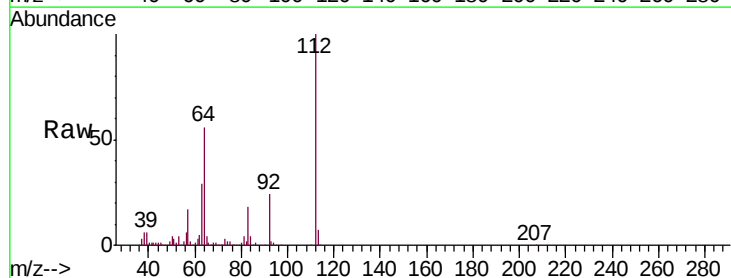
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.0	190.4
115	56.8	47.8	71.8



#5

2-Fluorophenol
Concen: 71.319 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044105.D
Acq: 20 Jan 2020 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.8	71.6
63	28.9	24.3	36.5





#7

Phenol-d6

Concen: 44.934 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044105.D

Acq: 20 Jan 2020 19:41

Instrument :

BNA_G

ClientSampleId :

QVD-WC-L-01

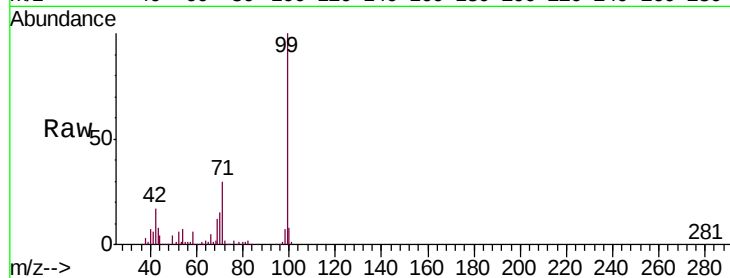
Tgt Ion: 99 Resp: 286112

Ion Ratio Lower Upper

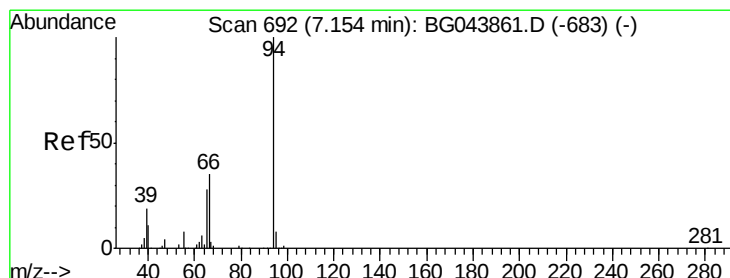
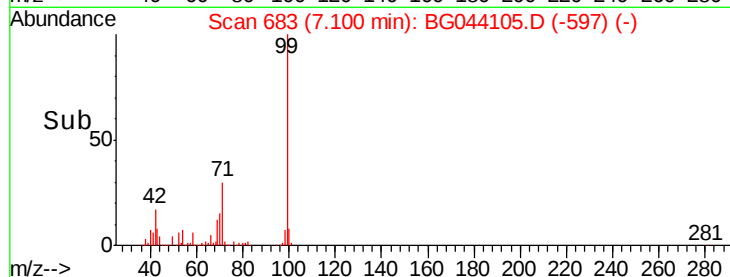
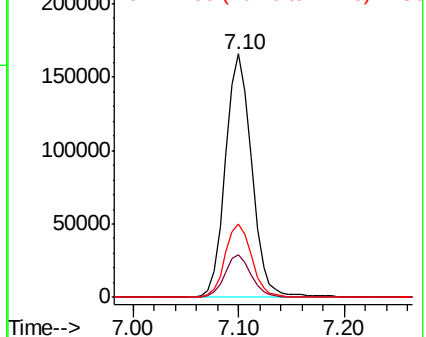
99 100

42 17.5 14.9 22.3

71 30.3 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



#10

Phenol

Concen: 2.402 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.02 min

Lab File: BG044105.D

Acq: 20 Jan 2020 19:41

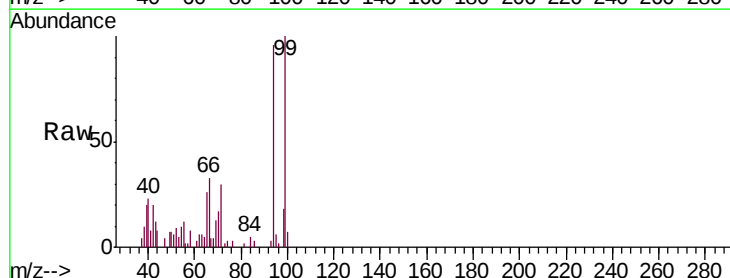
Tgt Ion: 94 Resp: 15761

Ion Ratio Lower Upper

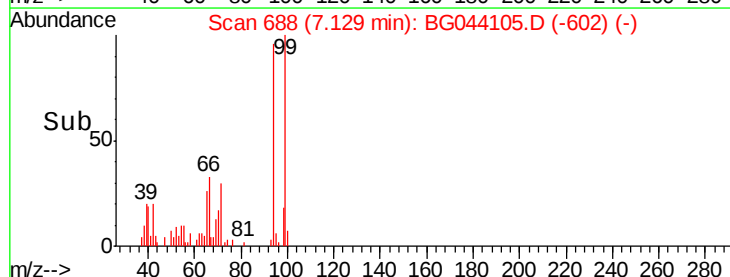
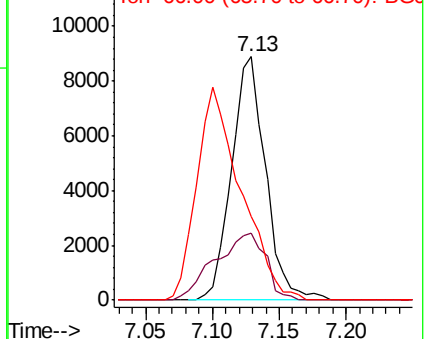
94 100

65 27.4 8.1 48.1

66 34.5 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

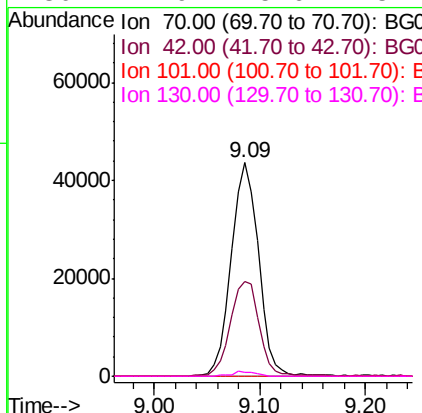
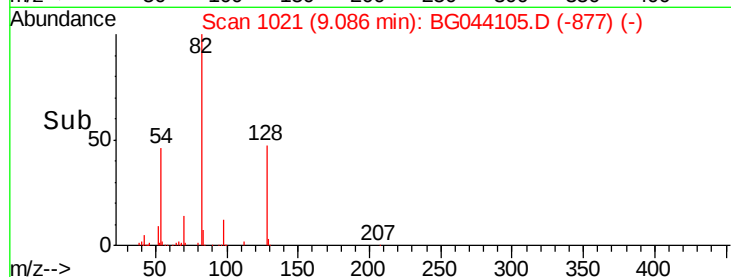
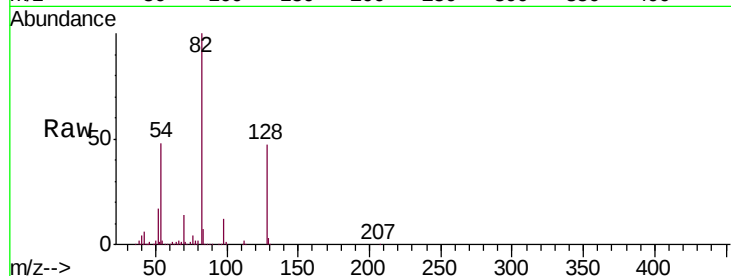




#19
n-Nitroso-di-n-propylamine
Concen: 16.416 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044105.D
Acq: 20 Jan 2020 19:41

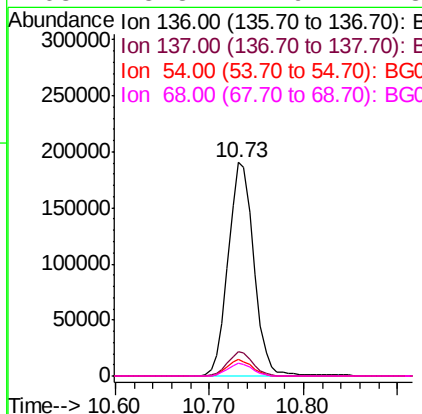
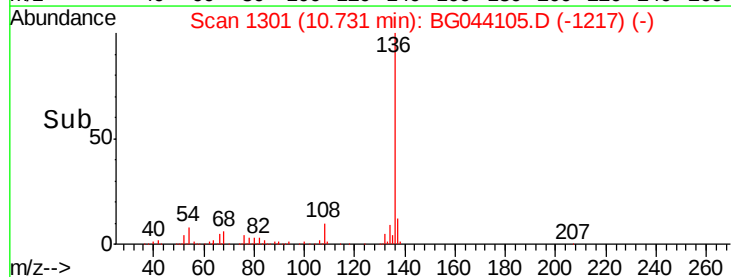
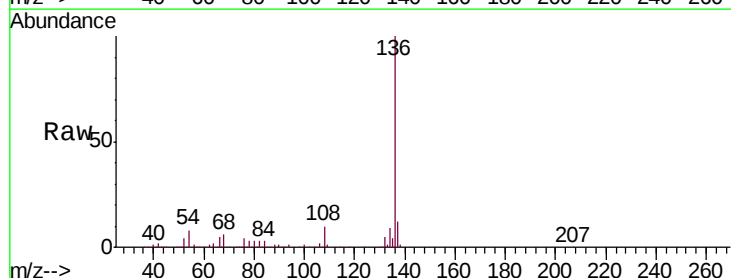
Instrument :
BNA_G
ClientSampleId :
QVD-WC-L-01

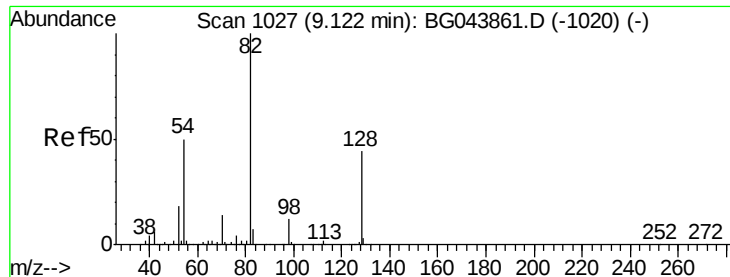
Tgt Ion: 70 Resp: 77845
Ion Ratio Lower Upper
70 100
42 44.2 47.0 70.4#
101 0.0 7.2 10.8#
130 1.9 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044105.D
Acq: 20 Jan 2020 19:41

Tgt Ion: 136 Resp: 361753
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 7.8 7.0 10.4
68 5.8 4.9 7.3

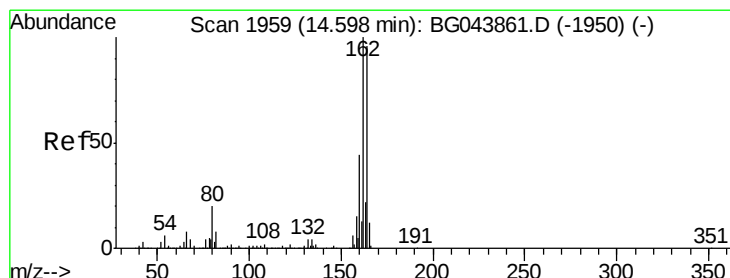
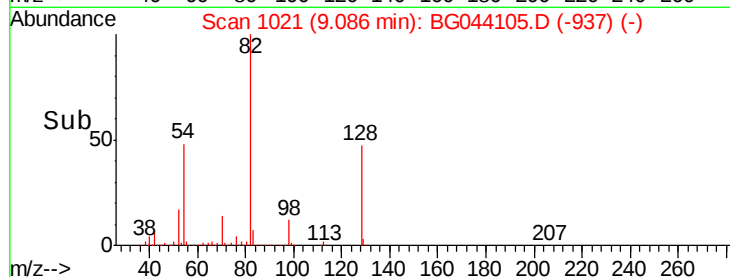
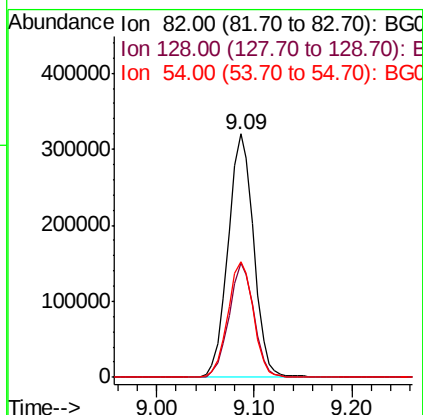
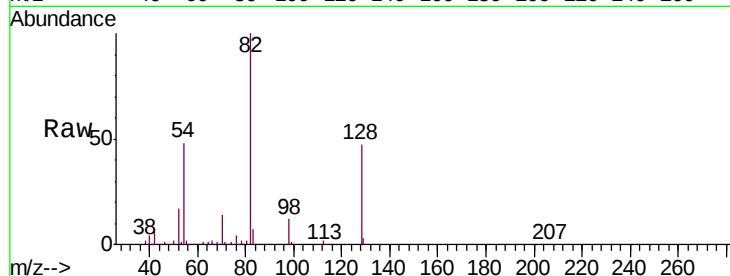




#23
 Nitrobenzene-d5
 Concen: 86.031 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. -0.04 min
 Lab File: BG044105.D
 Acq: 20 Jan 2020 19:41

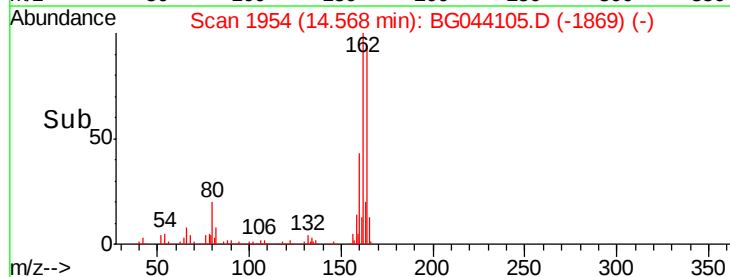
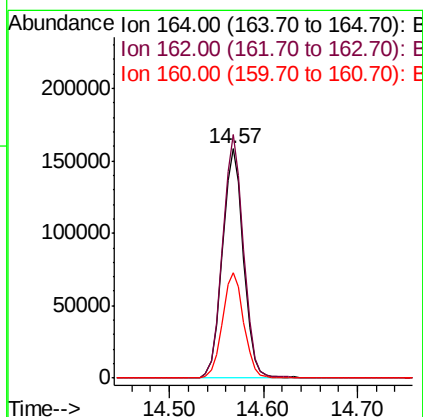
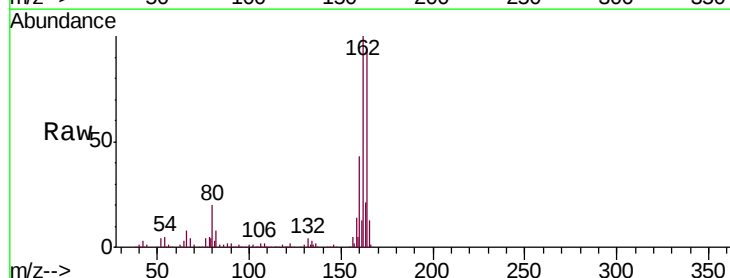
Instrument :
 BNA_G
 ClientSampleId :
 QVD-WC-L-01

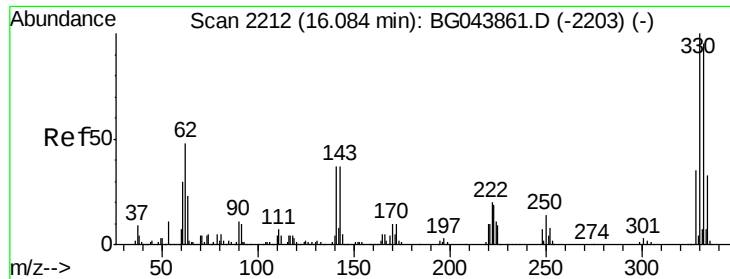
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	35.1	52.7
54	47.7	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.03 min
 Lab File: BG044105.D
 Acq: 20 Jan 2020 19:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.0	124.4
160	45.9	36.1	54.1

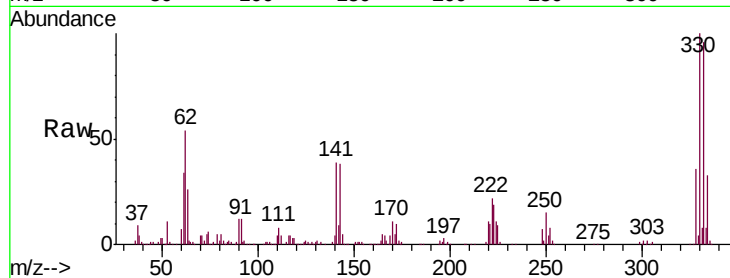




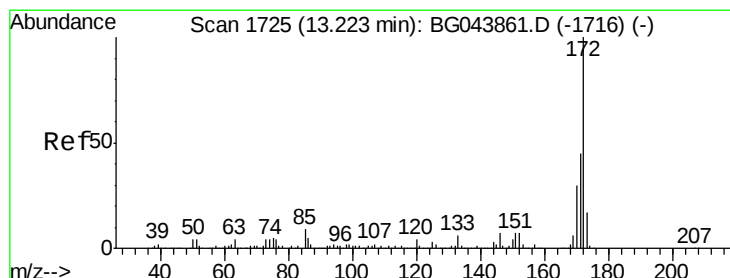
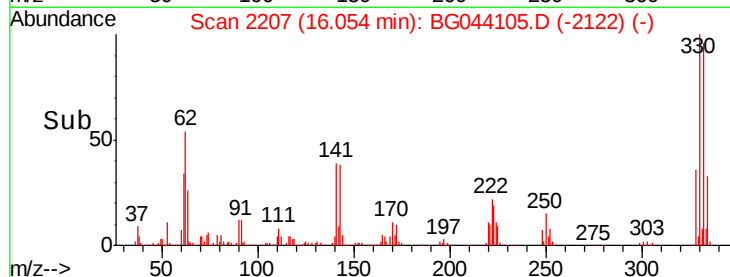
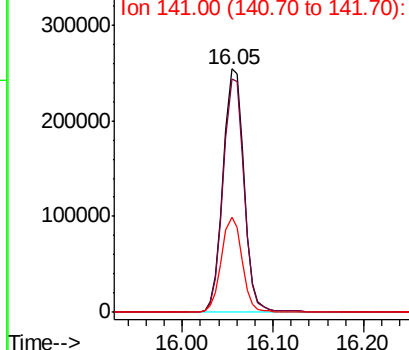
#42
 2,4,6-Tribromophenol
 Concen: 156.960 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044105.D
 Acq: 20 Jan 2020 19:41

Instrument :
 BNA_G
 ClientSampleId :
 QVD-WC-L-01

Tgt Ion:330 Resp: 408747
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.2 115.8
 141 38.7 33.1 49.7

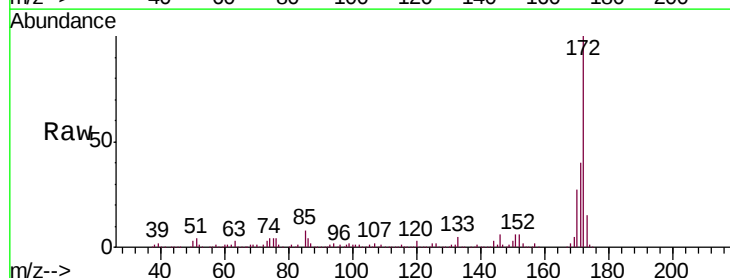


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

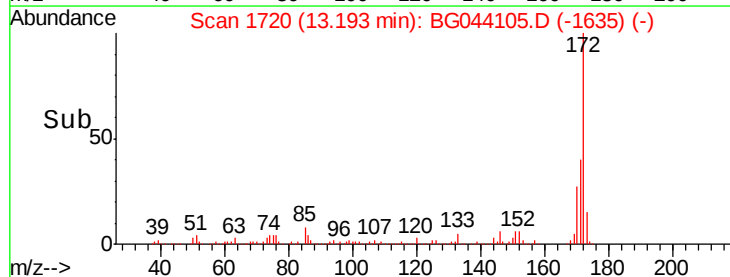
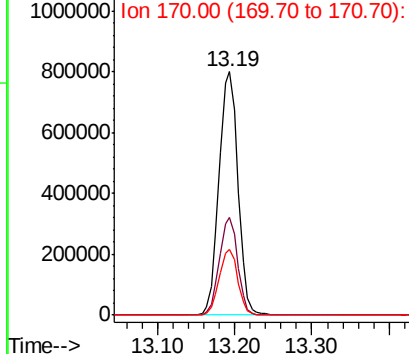


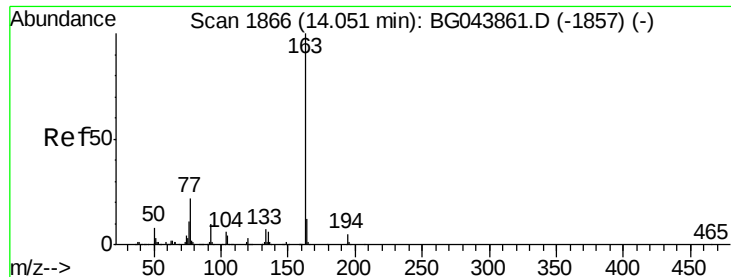
#45
 2-Fluorobiphenyl
 Concen: 98.804 ng
 RT: 13.19 min Scan# 1720
 Delta R.T. -0.03 min
 Lab File: BG044105.D
 Acq: 20 Jan 2020 19:41

Tgt Ion:172 Resp: 1357093
 Ion Ratio Lower Upper
 172 100
 171 40.3 35.8 53.8
 170 27.1 24.2 36.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.372 ng

RT: 14.02 min Scan# 1861

Delta R.T. -0.03 min

Lab File: BG044105.D

Acq: 20 Jan 2020 19:41

Instrument :

BNA_G

ClientSampleId :

QVD-WC-L-01

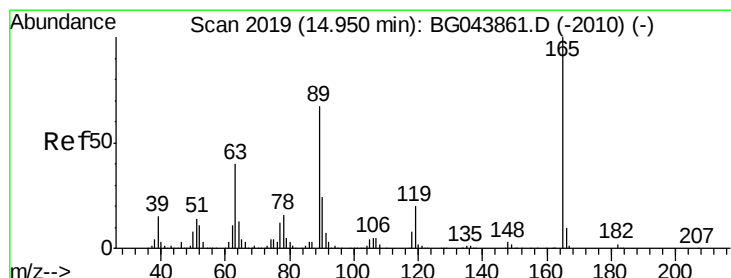
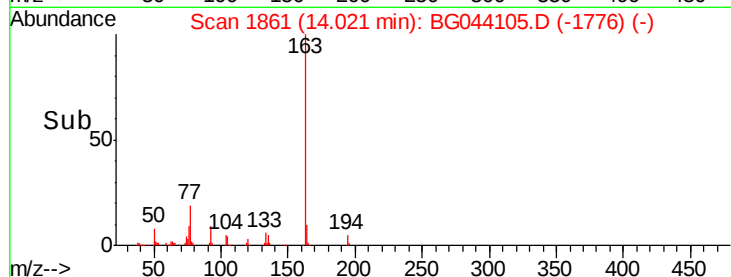
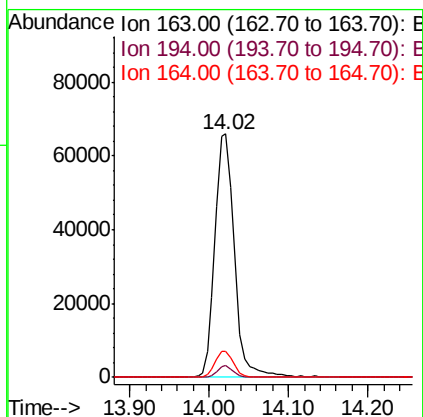
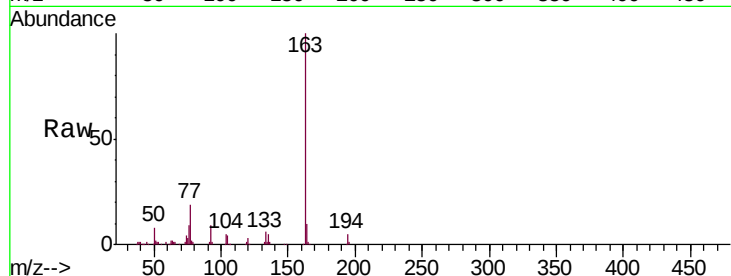
Tgt Ion:163 Resp: 112590

Ion Ratio Lower Upper

163 100

194 4.7 3.7 5.5

164 10.5 9.3 13.9



#57

2,4-Dinitrotoluene

Concen: 6.028 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.38 min

Lab File: BG044105.D

Acq: 20 Jan 2020 19:41

Tgt Ion:165 Resp: 32759

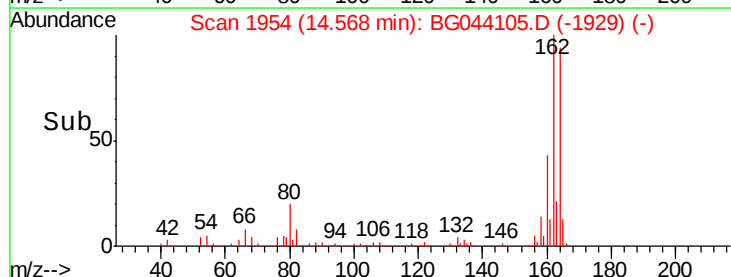
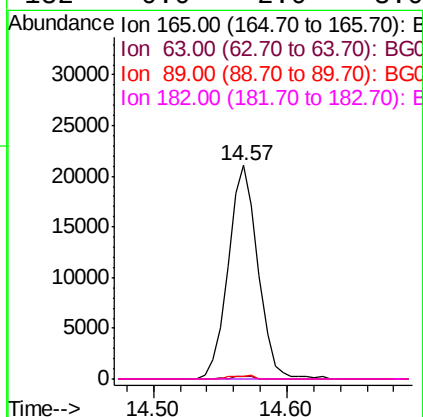
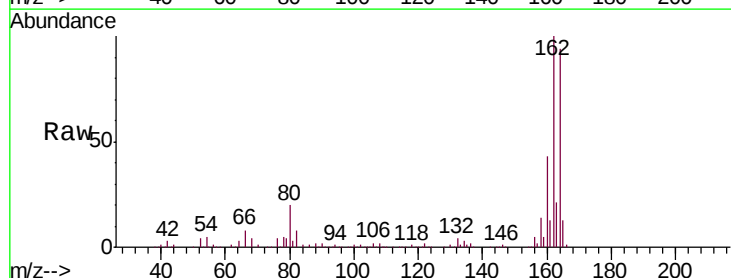
Ion Ratio Lower Upper

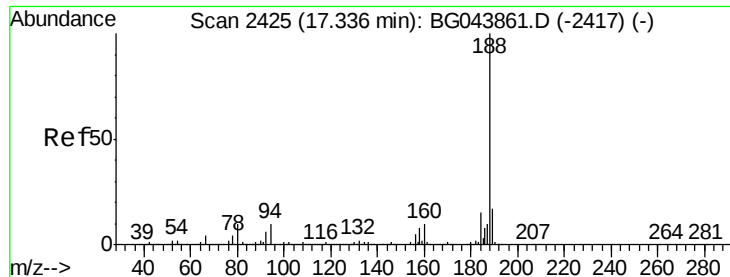
165 100

63 1.1 31.9 47.9#

89 0.9 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

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QVD-WC-L-01

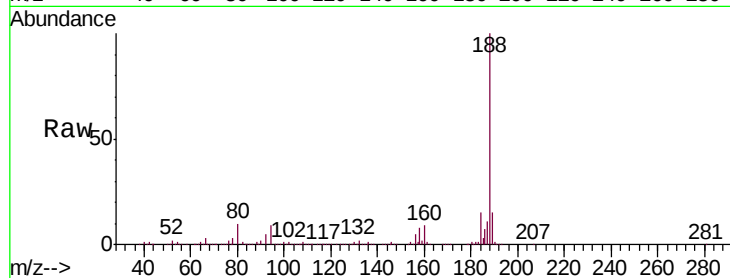
Tgt Ion:188 Resp: 543443

Ion Ratio Lower Upper

188 100

94 8.9 7.9 11.9

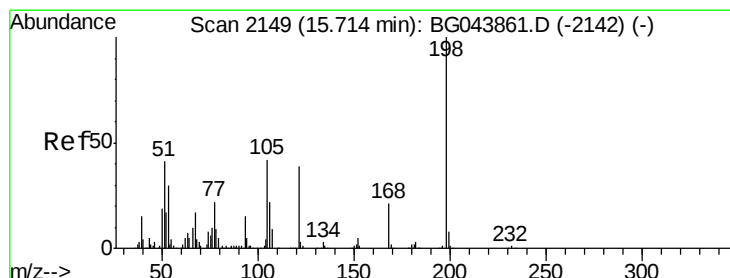
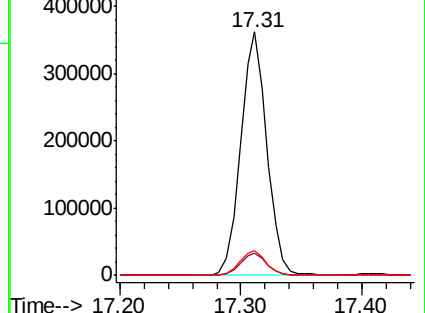
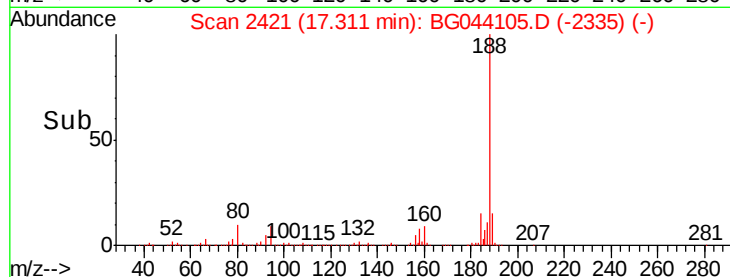
80 10.0 8.2 12.4



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: 4.791 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.35 min

Lab File: BG044105.D

Acq: 20 Jan 2020 19:41

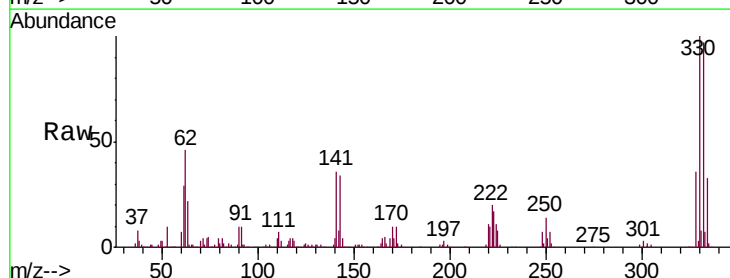
Tgt Ion:198 Resp: 1238

Ion Ratio Lower Upper

198 100

51 128.8 22.5 62.5#

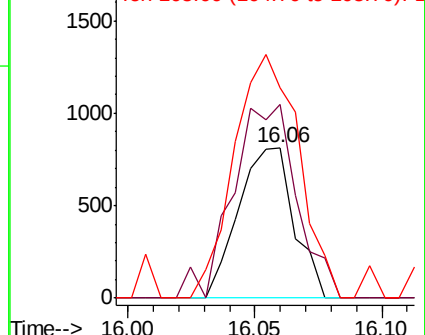
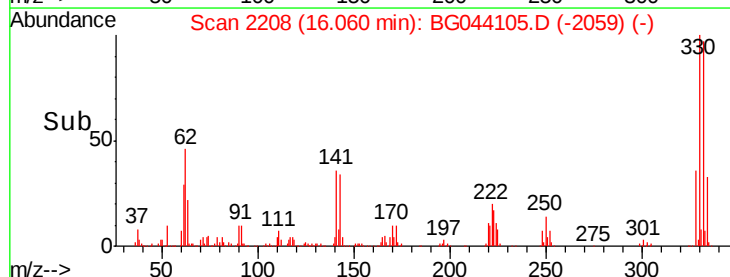
105 139.9 22.3 62.3#

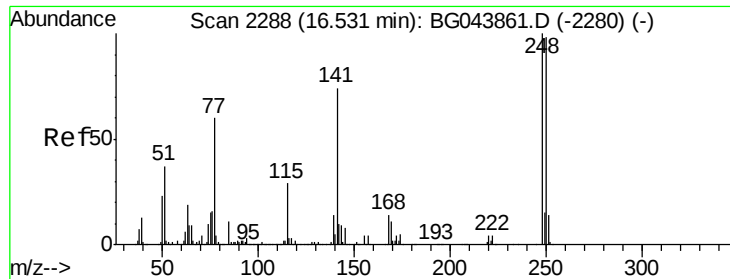


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

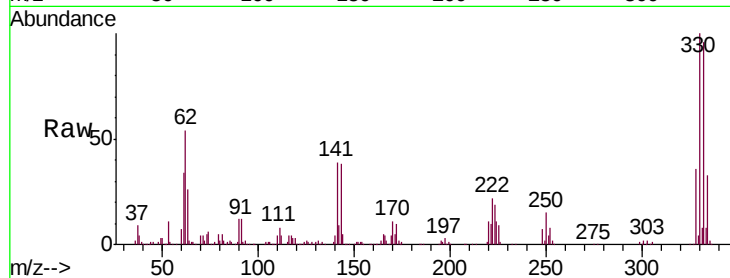




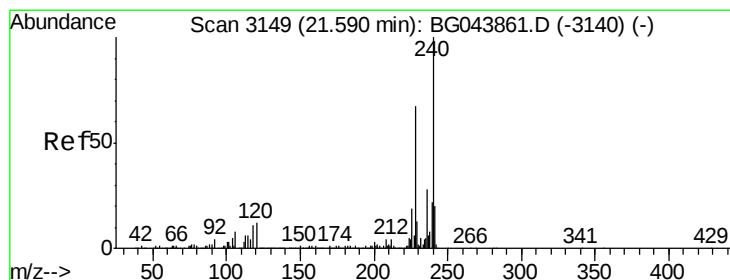
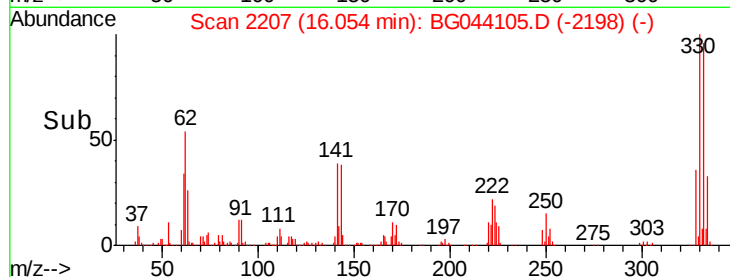
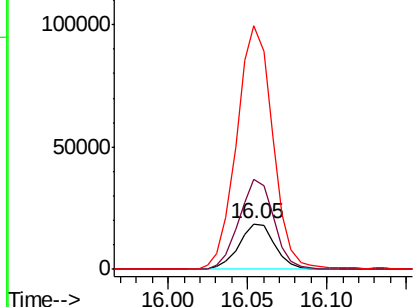
#67
 4-Bromophenyl-phenylether
 Concen: 4.742 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044105.D
 Acq: 20 Jan 2020 19:41

Instrument :
 BNA_G
 ClientSampleId :
 QVD-WC-L-01

Tgt Ion:248 Resp: 28982
 Ion Ratio Lower Upper
 248 100
 250 197.8 78.2 117.2#
 141 531.5 59.3 88.9#

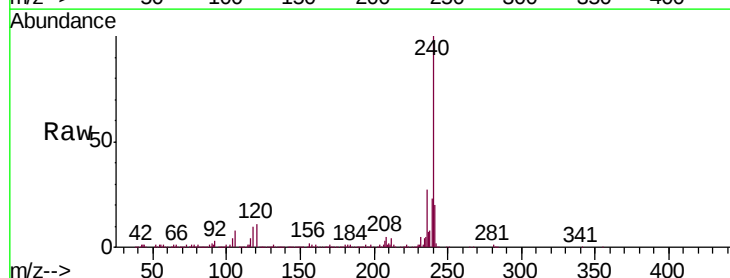


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

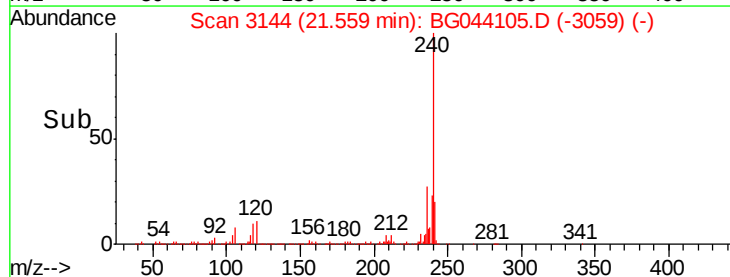
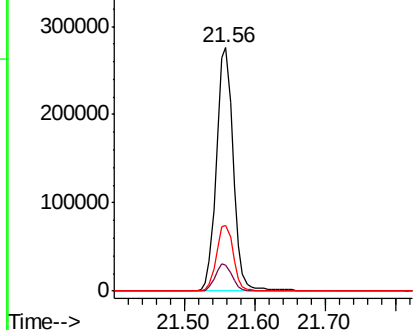


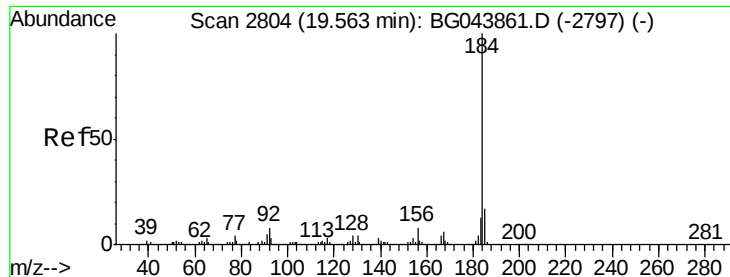
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3144
 Delta R.T. -0.03 min
 Lab File: BG044105.D
 Acq: 20 Jan 2020 19:41

Tgt Ion:240 Resp: 459071
 Ion Ratio Lower Upper
 240 100
 120 10.8 9.6 14.4
 236 27.0 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: 3.091 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.36 min

Lab File: BG044105.D

Acq: 20 Jan 2020 19:41

Instrument :

BNA_G

ClientSampleId :

QVD-WC-L-01

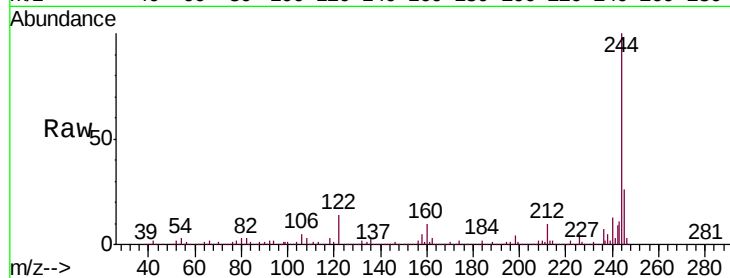
Tgt Ion:184 Resp: 35667

Ion Ratio Lower Upper

184 100

185 17.5 13.4 20.0

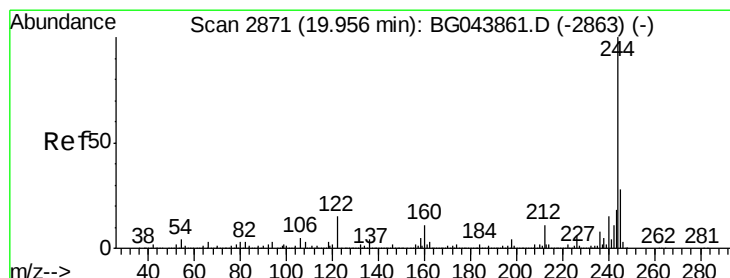
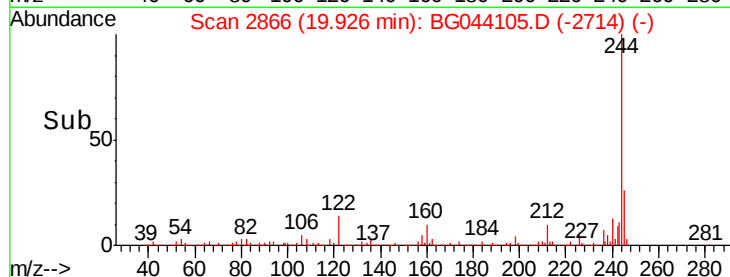
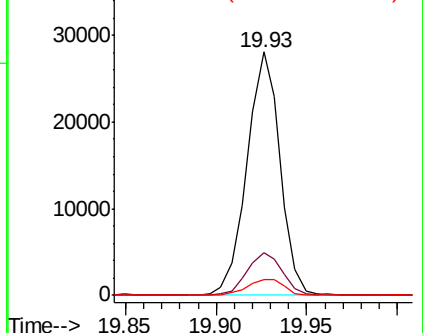
183 6.6 10.6 15.8#



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: 110.426 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044105.D

Acq: 20 Jan 2020 19:41

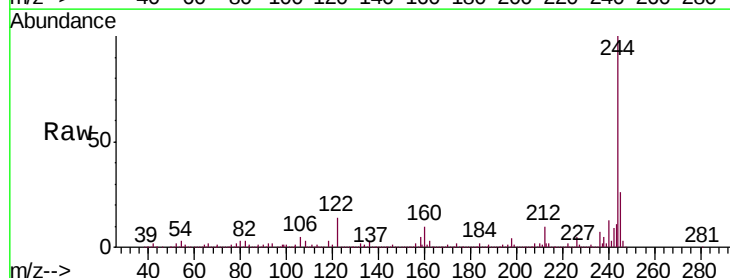
Tgt Ion:244 Resp: 1950570

Ion Ratio Lower Upper

244 100

212 9.8 8.6 13.0

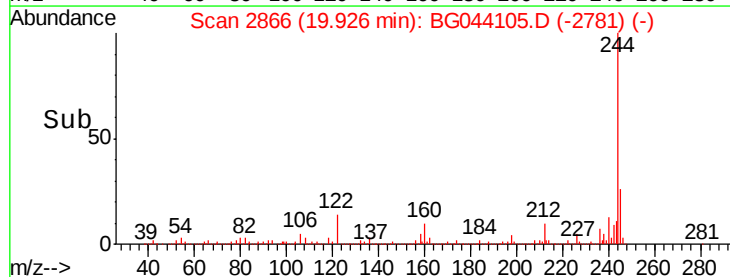
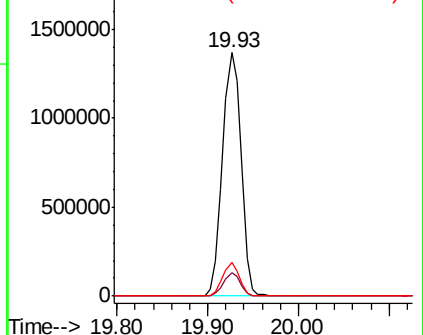
122 13.7 11.9 17.9

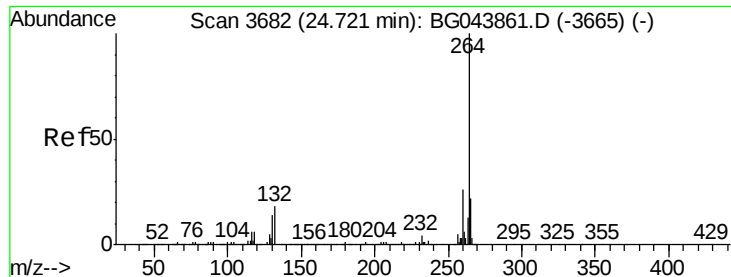


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG044105.D
Acq: 20 Jan 2020 19:41

Instrument :
BNA_G
ClientSampleId :
QVD-WC-L-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.4	30.6
265	21.5	17.4	26.2

