

Data File : BG044108.D
Acq On : 20 Jan 2020 21:38
Operator : JU
Sample : L1165-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
QVD-GW-01-45

Quant Time: Jan 21 04:51:11 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

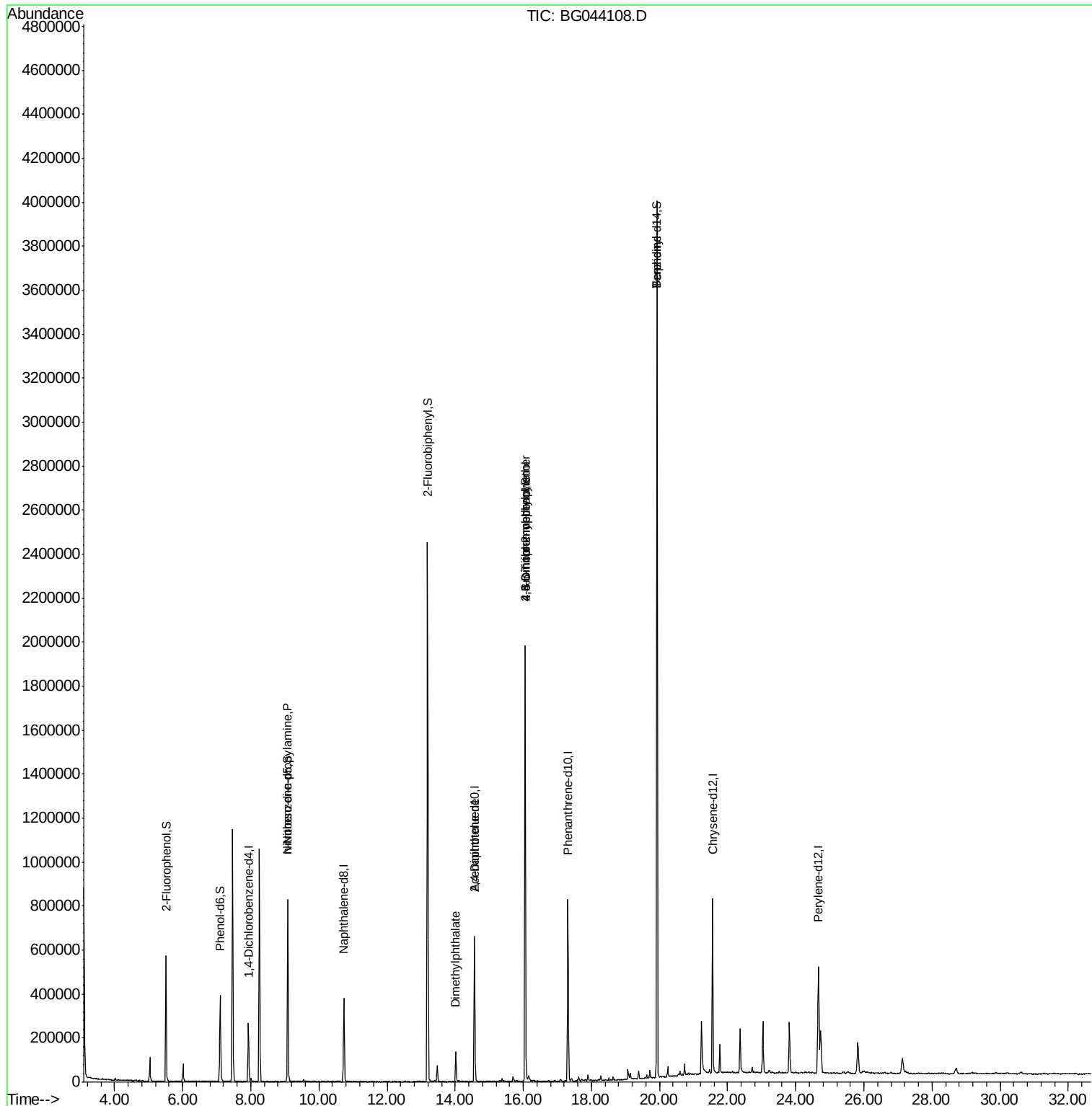
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	75351	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	342771	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	241101	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	523838	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	449023	20.00	ng	-0.03
87) Perylene-d12	24.67	264	499318	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	288288	70.25	ng	-0.03
7) Phenol-d6	7.10	99	256442	44.70	ng	-0.03
23) Nitrobenzene-d5	9.08	82	540368	84.33	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	380115	150.66	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1273607	95.71	ng	-0.03
79) Terphenyl-d14	19.92	244	1860401	106.47	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	70240	16.442	ng	# 78
50) Dimethylphthalate	14.02	163	100086	5.846	ng	# 95
57) 2,4-Dinitrotoluene	14.57	165	31239	5.933	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.05	198	1258	4.813	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	26821	4.552	ng	# 1
77) Benzidine	19.93	184	32505	2.880	ng	# 93

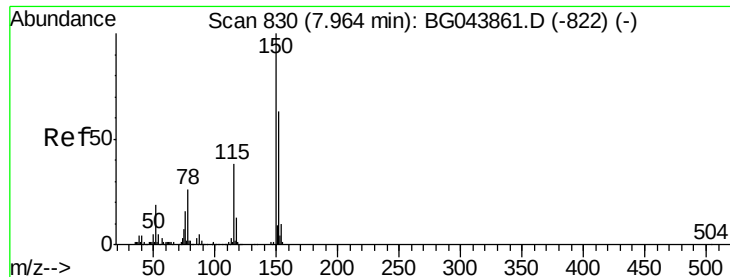
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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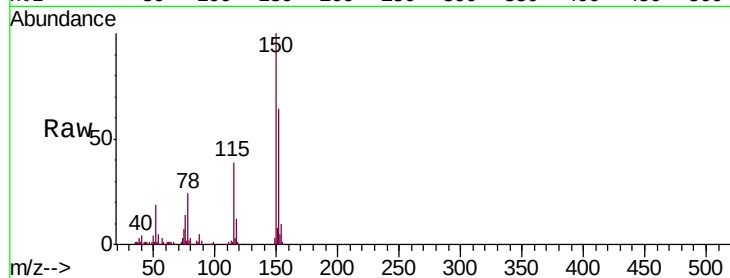


#1

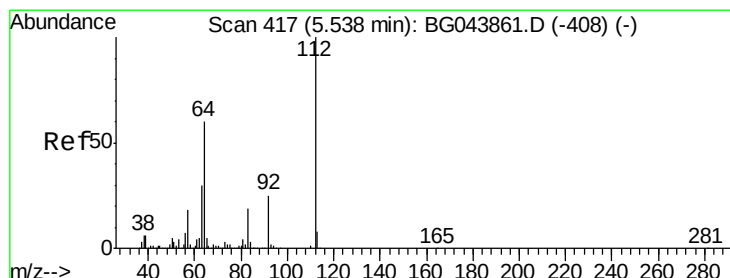
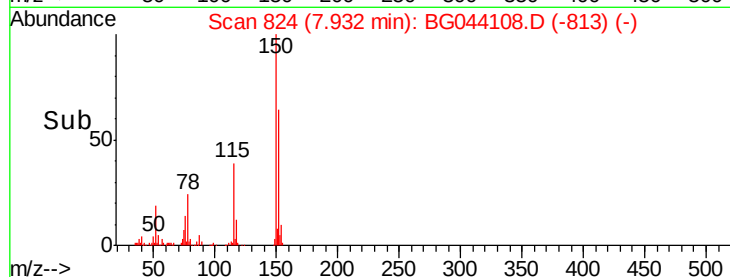
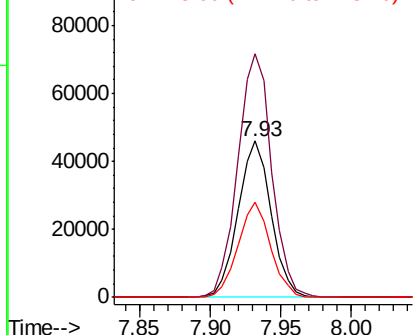
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044108.D
Acq: 20 Jan 2020 21:38

Instrument :
BNA_G
ClientSampleId :
QVD-GW-01-45

Tgt Ion:152 Resp: 75351
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.4
115 61.1 47.8 71.8



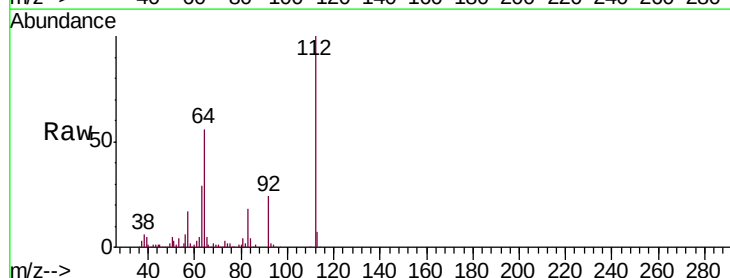
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



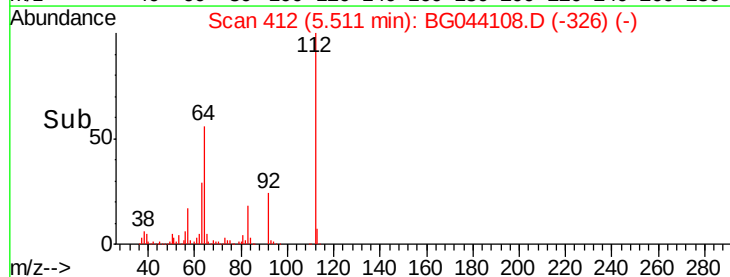
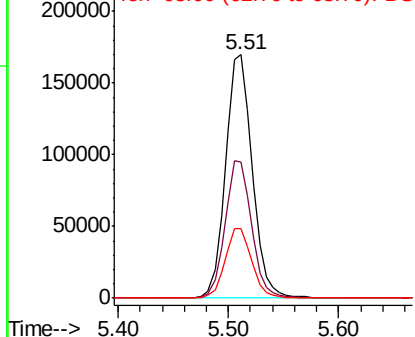
#5

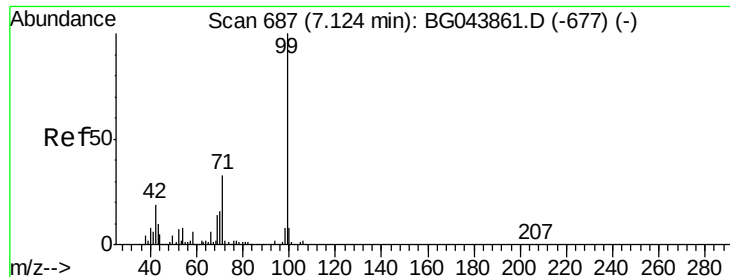
2-Fluorophenol
Concen: 70.249 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044108.D
Acq: 20 Jan 2020 21:38

Tgt Ion:112 Resp: 288288
Ion Ratio Lower Upper
112 100
64 55.9 47.8 71.6
63 28.8 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: 44.704 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044108.D

Acq: 20 Jan 2020 21:38

Instrument :

BNA_G

ClientSampleId :

QVD-GW-01-45

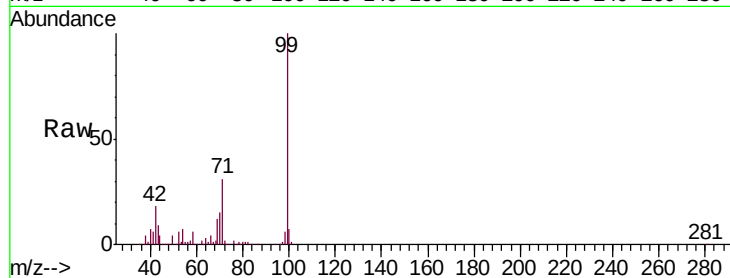
Tgt Ion: 99 Resp: 256442

Ion Ratio Lower Upper

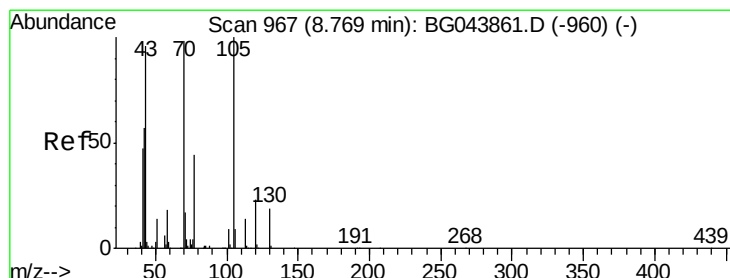
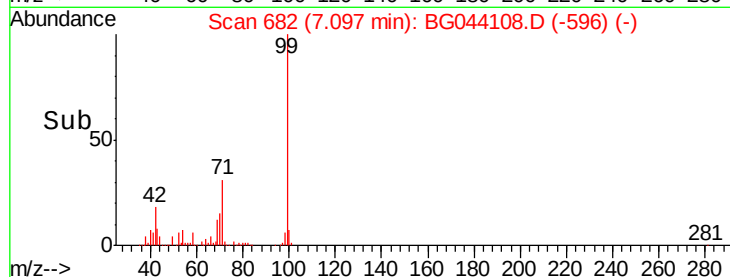
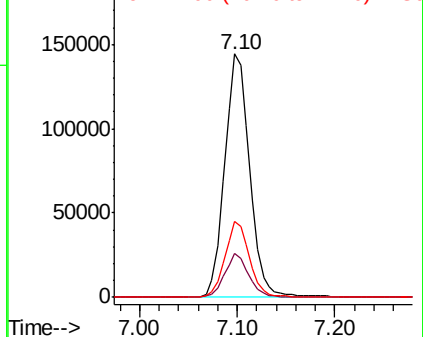
99 100

42 17.8 14.9 22.3

71 31.0 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: 16.442 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.31 min

Lab File: BG044108.D

Acq: 20 Jan 2020 21:38

Tgt Ion: 70 Resp: 70240

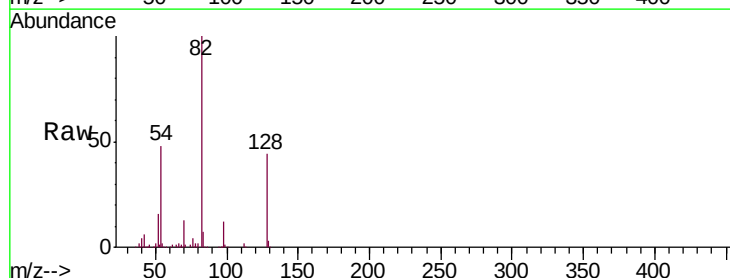
Ion Ratio Lower Upper

70 100

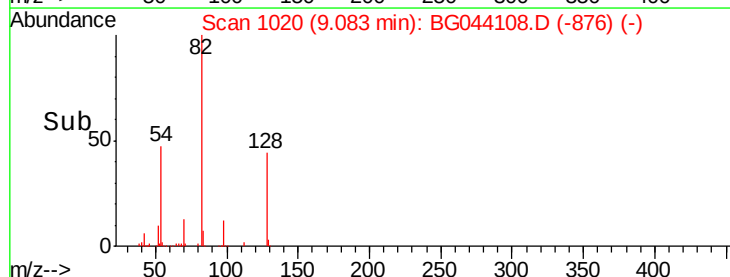
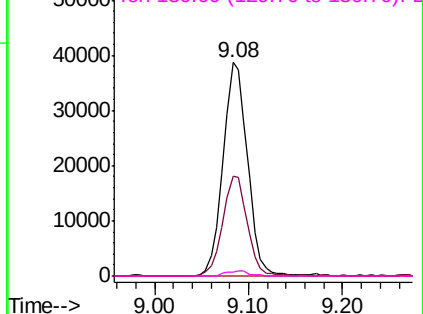
42 47.0 47.0 70.4

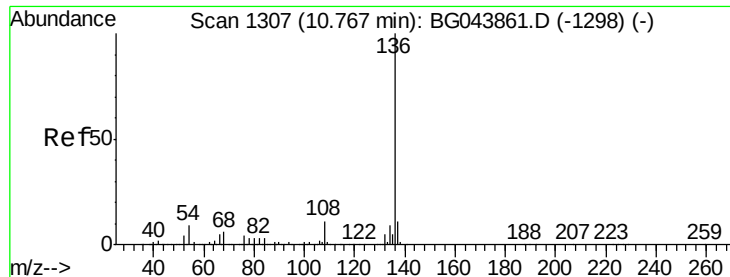
101 0.0 7.2 10.8#

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

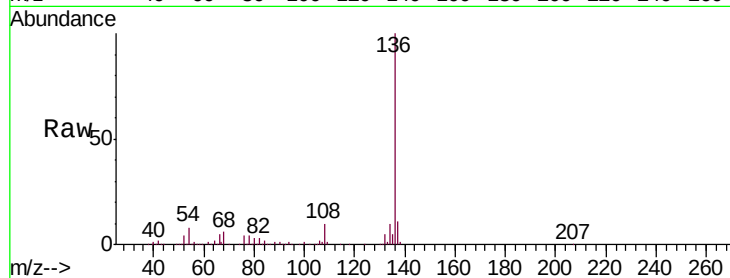




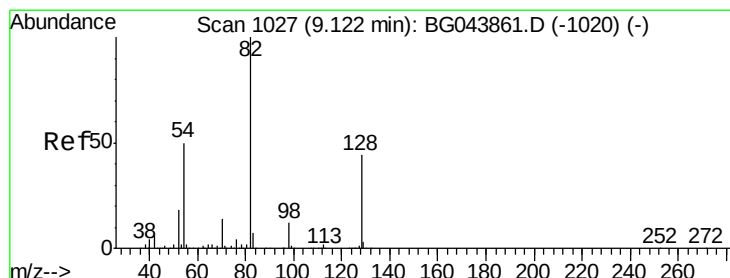
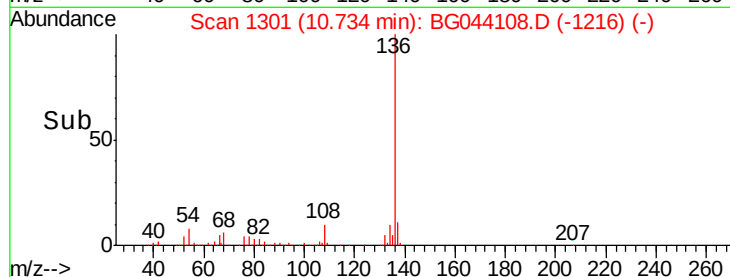
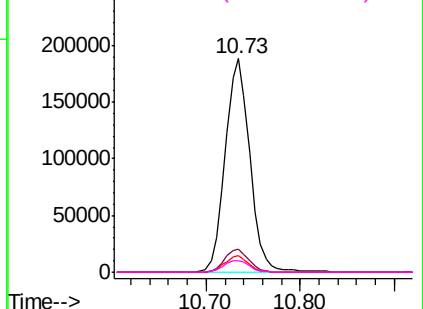
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044108.D
Acq: 20 Jan 2020 21:38

Instrument :
BNA_G
ClientSampleId :
QVD-GW-01-45

Tgt Ion:	136	Resp:	342771
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.8	7.0	10.4
68	5.6	4.9	7.3

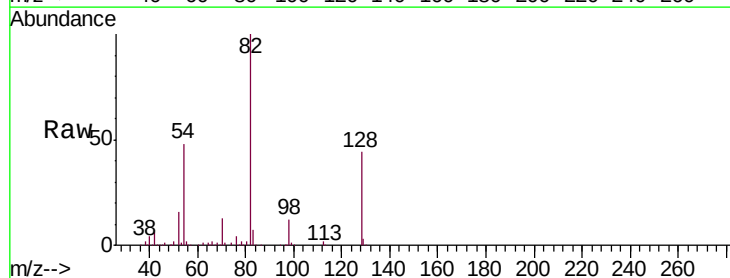


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

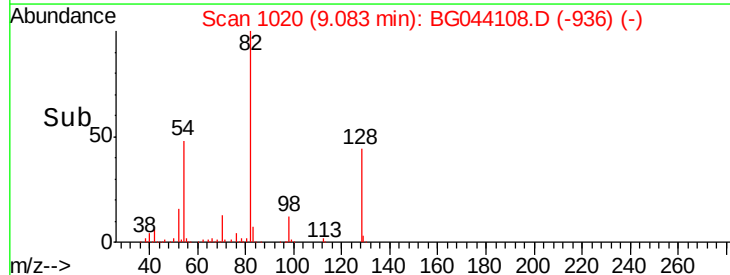
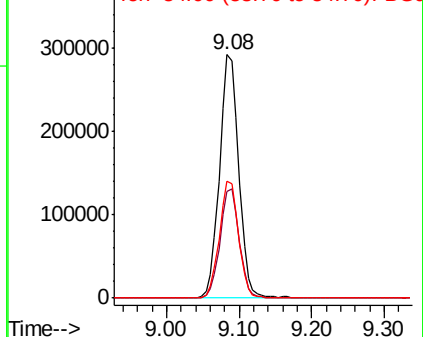


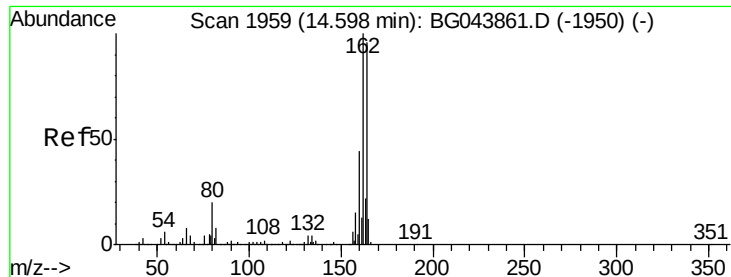
#23
Nitrobenzene-d5
Concen: 84.335 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BG044108.D
Acq: 20 Jan 2020 21:38

Tgt Ion:	82	Resp:	540368
Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.1	52.7
54	48.1	40.1	60.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044108.D

Acq: 20 Jan 2020 21:38

Instrument :

BNA_G

ClientSampleId :

QVD-GW-01-45

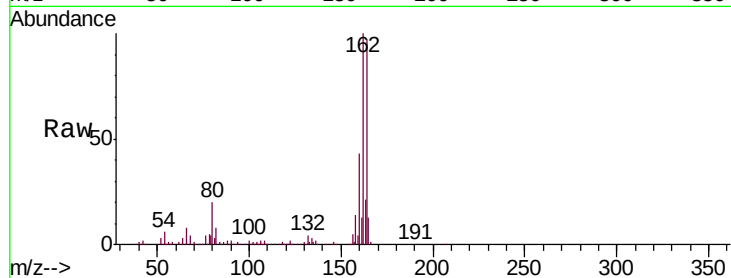
Tgt Ion:164 Resp: 241101

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.4

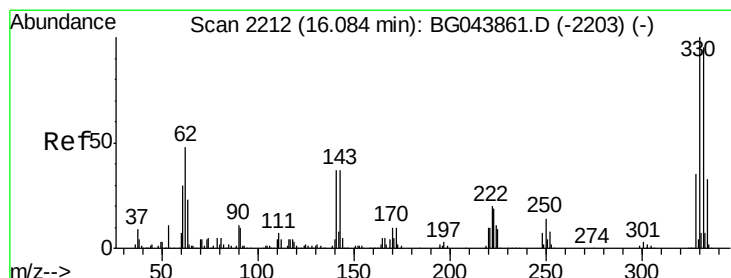
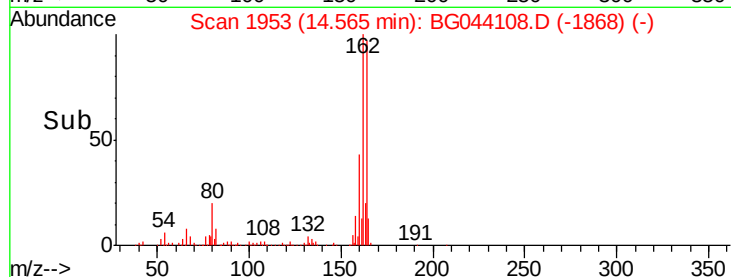
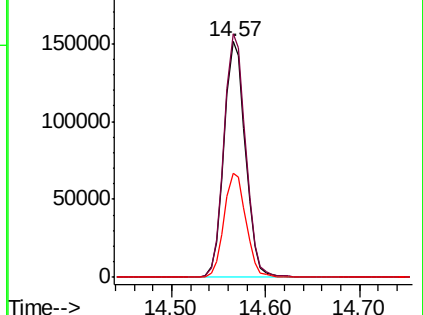
160 44.3 36.1 54.1



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: 150.656 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044108.D

Acq: 20 Jan 2020 21:38

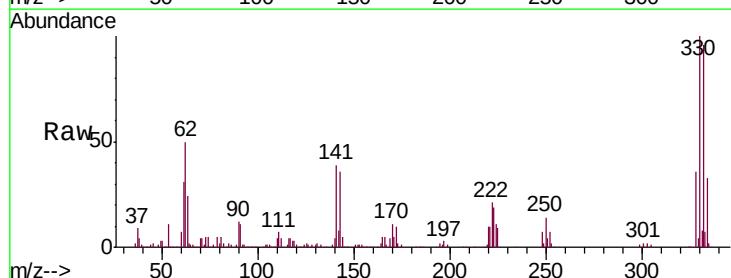
Tgt Ion:330 Resp: 380115

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

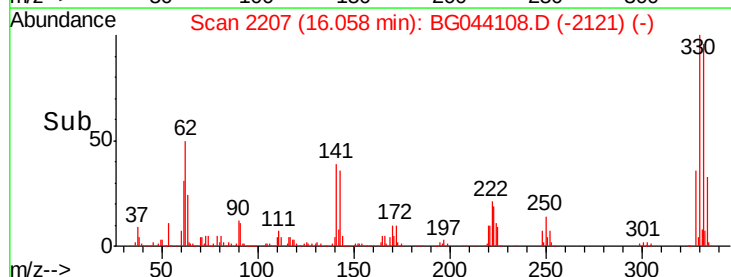
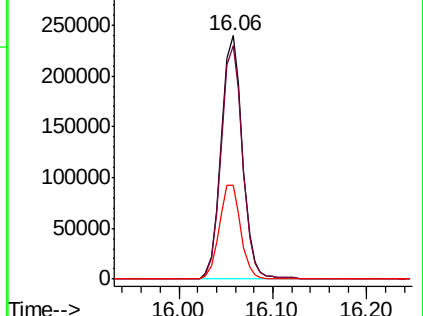
141 39.0 33.1 49.7

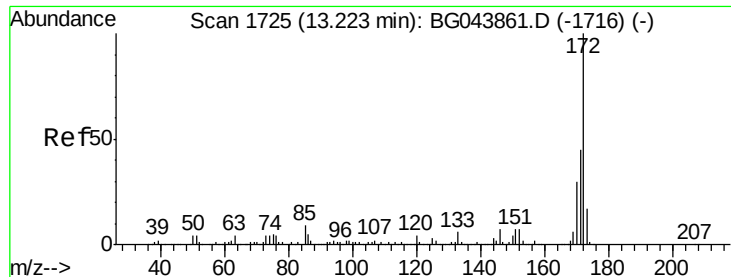


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

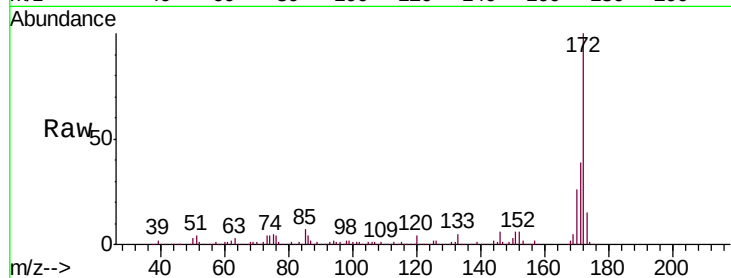




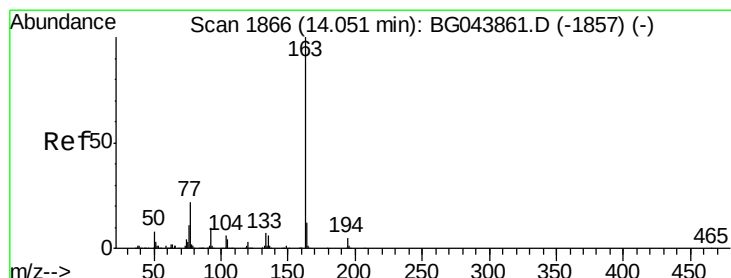
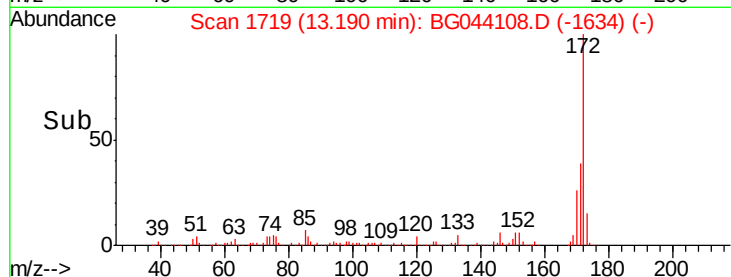
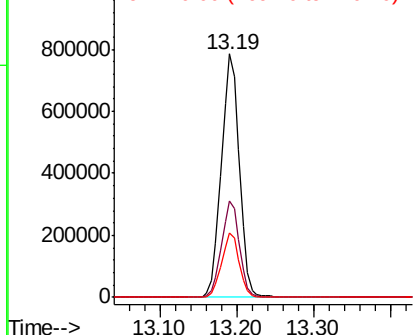
#45
2-Fluorobiphenyl
Concen: 95.706 ng
RT: 13.19 min Scan# 1719
Delta R.T. -0.03 min
Lab File: BG044108.D
Acq: 20 Jan 2020 21:38

Instrument :
BNA_G
ClientSampleId :
QVD-GW-01-45

Tgt Ion:172 Resp: 1273607
Ion Ratio Lower Upper
172 100
171 39.4 35.8 53.8
170 26.3 24.2 36.4

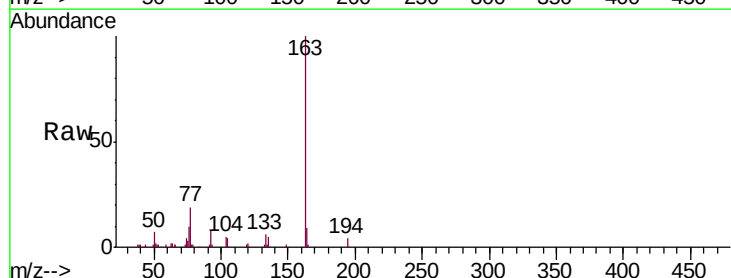


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

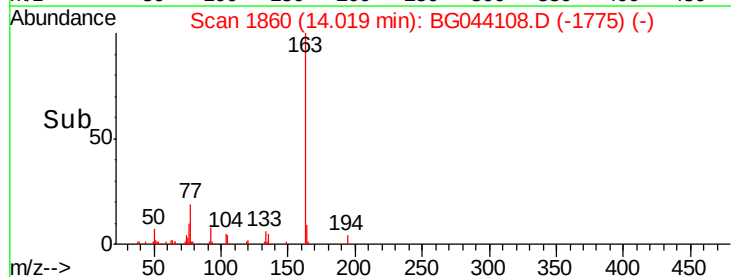
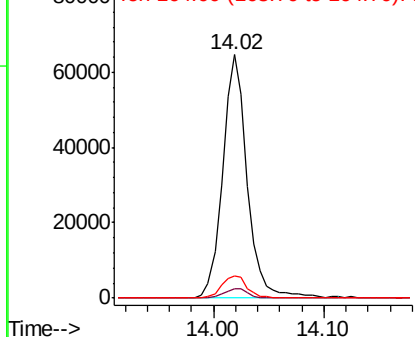


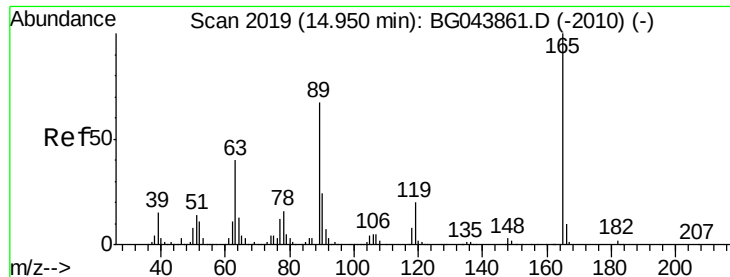
#50
Dimethylphthalate
Concen: 5.846 ng
RT: 14.02 min Scan# 1860
Delta R.T. -0.03 min
Lab File: BG044108.D
Acq: 20 Jan 2020 21:38

Tgt Ion:163 Resp: 100086
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 9.3 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 5.933 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044108.D

Acq: 20 Jan 2020 21:38

Instrument :

BNA_G

ClientSampleId :

QVD-GW-01-45

Tgt Ion:165 Resp: 31239

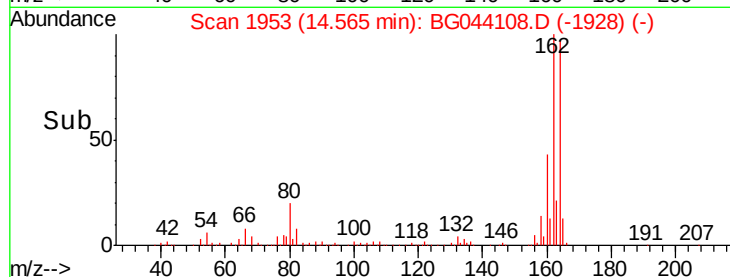
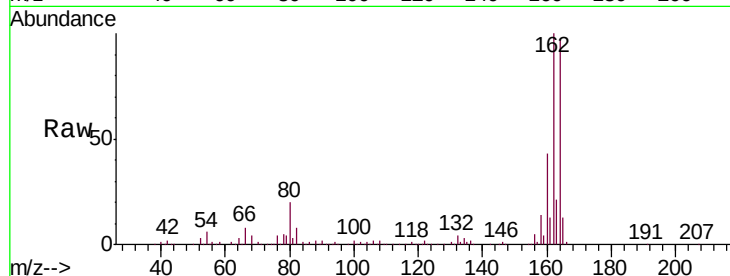
Ion Ratio Lower Upper

165 100

63 1.1 31.9 47.9#

89 1.2 53.8 80.6#

182 0.0 2.0 3.0#

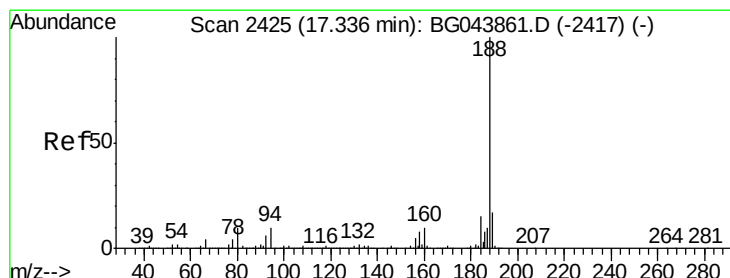
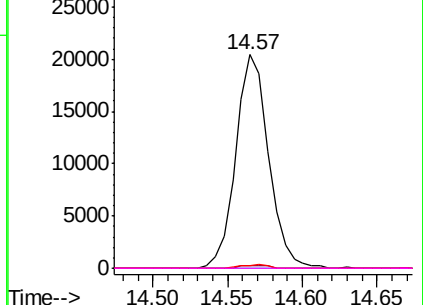


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044108.D

Acq: 20 Jan 2020 21:38

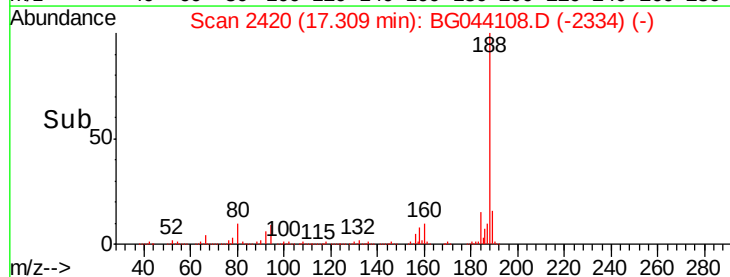
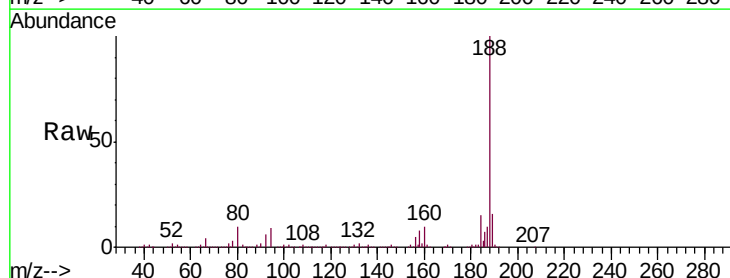
Tgt Ion:188 Resp: 523838

Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

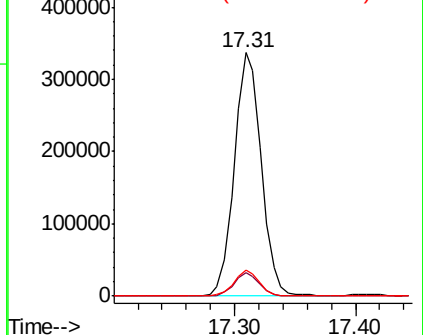
80 10.5 8.2 12.4

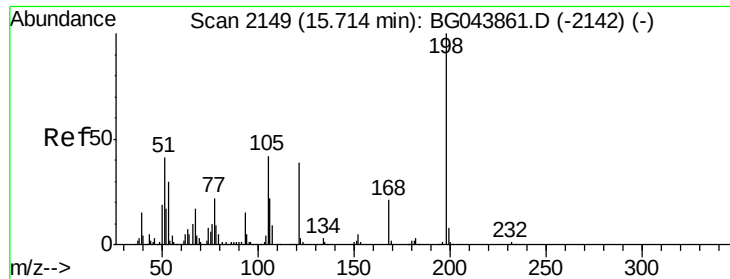


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

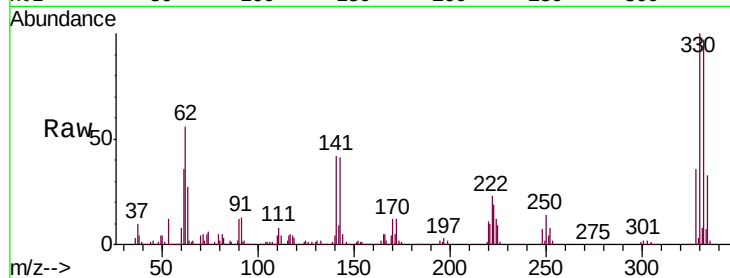




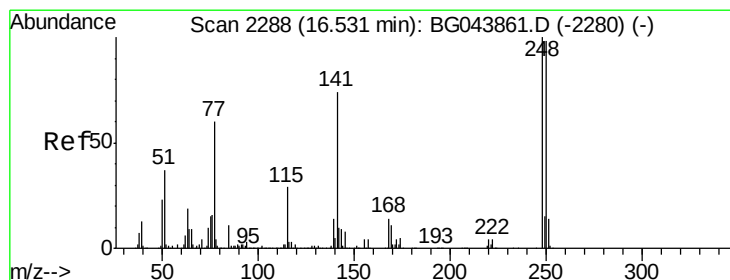
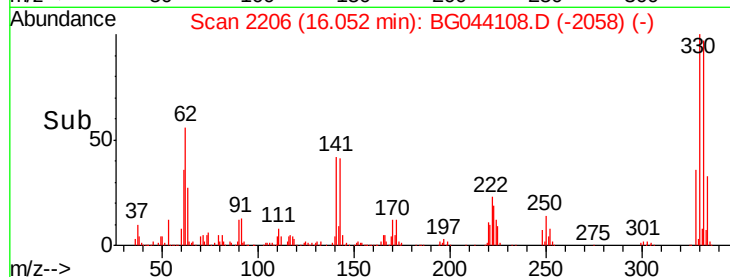
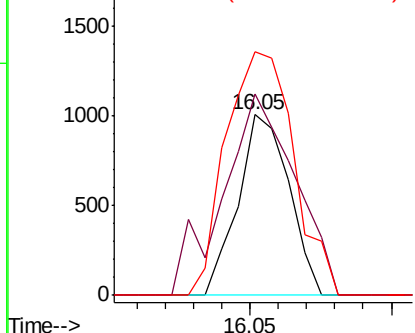
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.813 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.34 min
 Lab File: BG044108.D
 Acq: 20 Jan 2020 21:38

Instrument :
 BNA_G
 ClientSampleId :
 QVD-GW-01-45

Tgt Ion:198 Resp: 1258
 Ion Ratio Lower Upper
 198 100
 51 111.5 22.5 62.5#
 105 134.8 22.3 62.3#

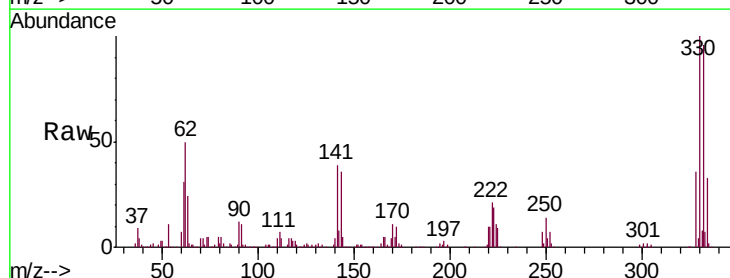


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

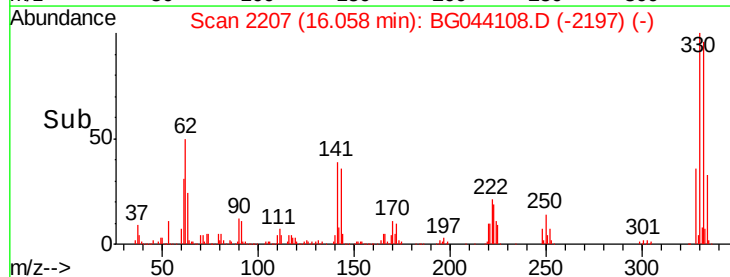
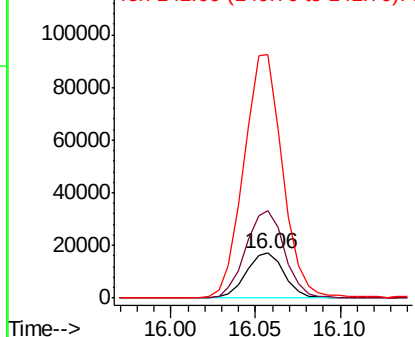


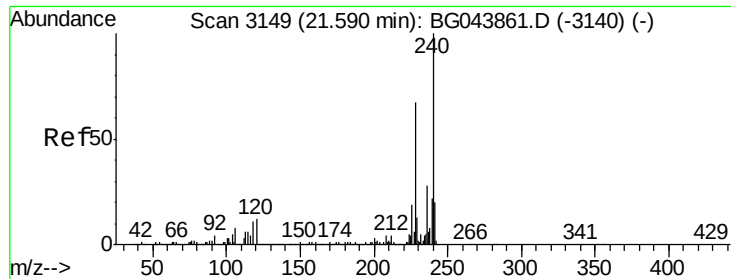
#67
 4-Bromophenyl-phenylether
 Concen: 4.552 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.47 min
 Lab File: BG044108.D
 Acq: 20 Jan 2020 21:38

Tgt Ion:248 Resp: 26821
 Ion Ratio Lower Upper
 248 100
 250 194.1 78.2 117.2#
 141 541.9 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

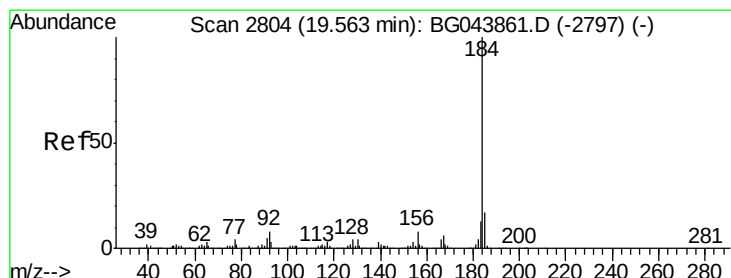
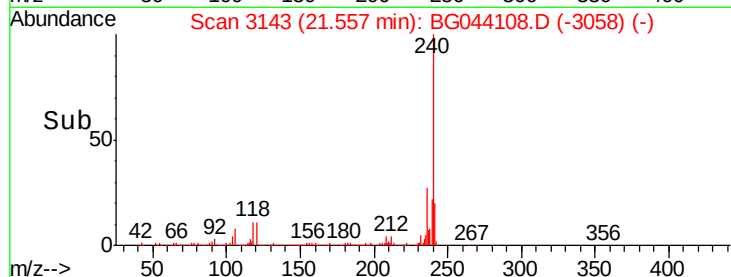
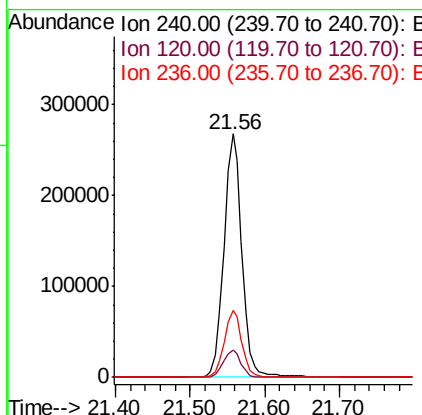
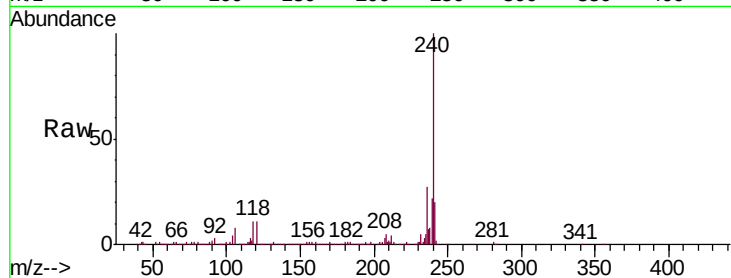




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3143
Delta R.T. -0.03 min
Lab File: BG044108.D
Acq: 20 Jan 2020 21:38

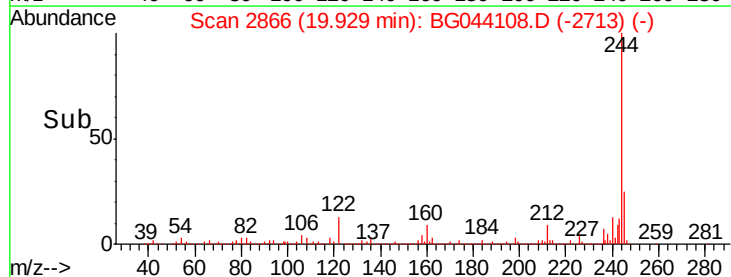
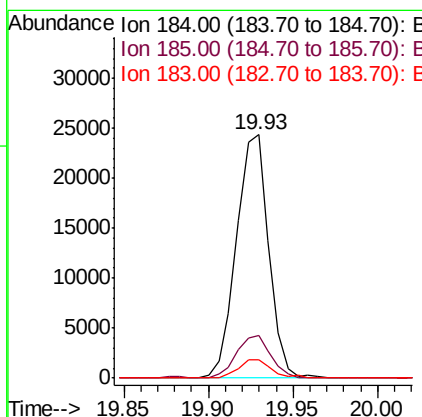
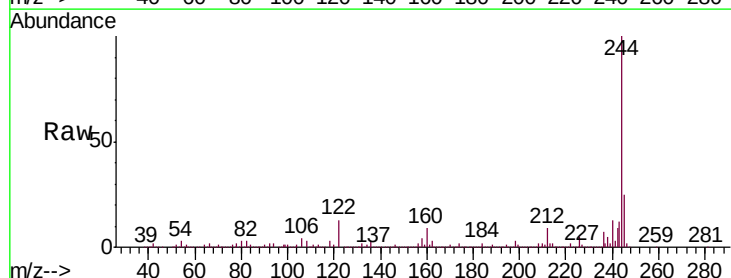
Instrument :
BNA_G
ClientSampleId :
QVD-GW-01-45

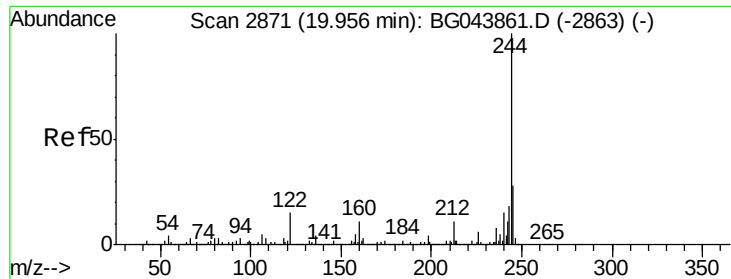
Tgt Ion:240 Resp: 449023
Ion Ratio Lower Upper
240 100
120 11.4 9.6 14.4
236 27.3 22.2 33.2



#77
Benzidine
Concen: 2.880 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.37 min
Lab File: BG044108.D
Acq: 20 Jan 2020 21:38

Tgt Ion:184 Resp: 32505
Ion Ratio Lower Upper
184 100
185 17.6 13.4 20.0
183 7.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 106.471 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044108.D

Acq: 20 Jan 2020 21:38

Instrument :

BNA_G

ClientSampleId :

QVD-GW-01-45

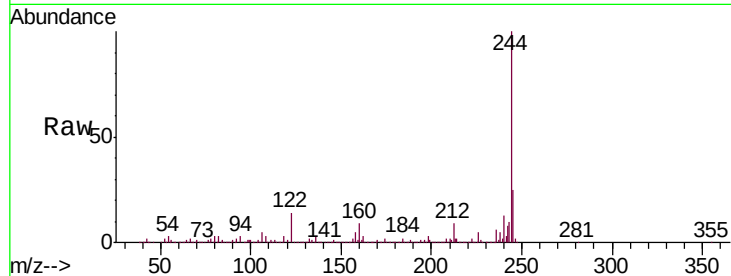
Tgt Ion:244 Resp: 1860401

Ion Ratio Lower Upper

244 100

212 9.2 8.6 13.0

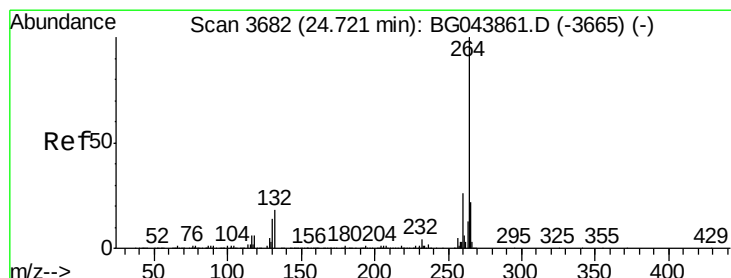
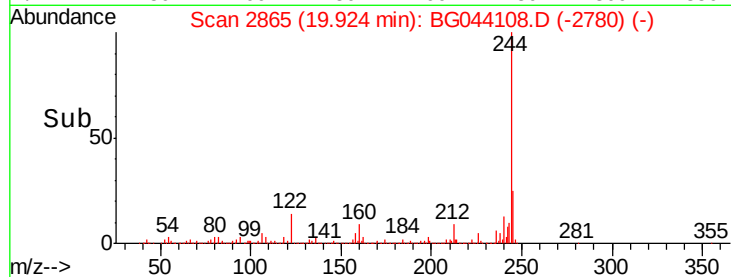
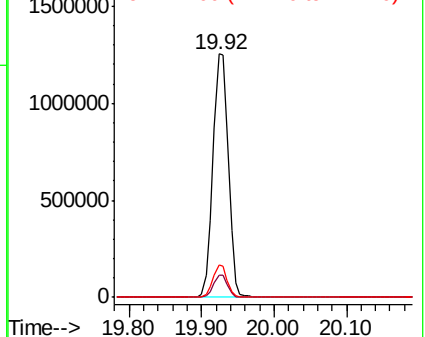
122 13.6 11.9 17.9



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# 3672

Delta R.T. -0.06 min

Lab File: BG044108.D

Acq: 20 Jan 2020 21:38

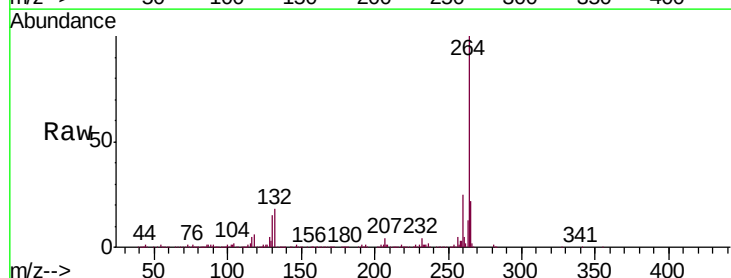
Tgt Ion:264 Resp: 499318

Ion Ratio Lower Upper

264 100

260 25.3 20.4 30.6

265 22.4 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

