

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060420\
 Data File : BG045608.D
 Acq On : 4 Jun 2020 16:58
 Operator : CG/JU
 Sample : L2871-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WARREN-TP

Quant Time: Jun 04 17:42:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

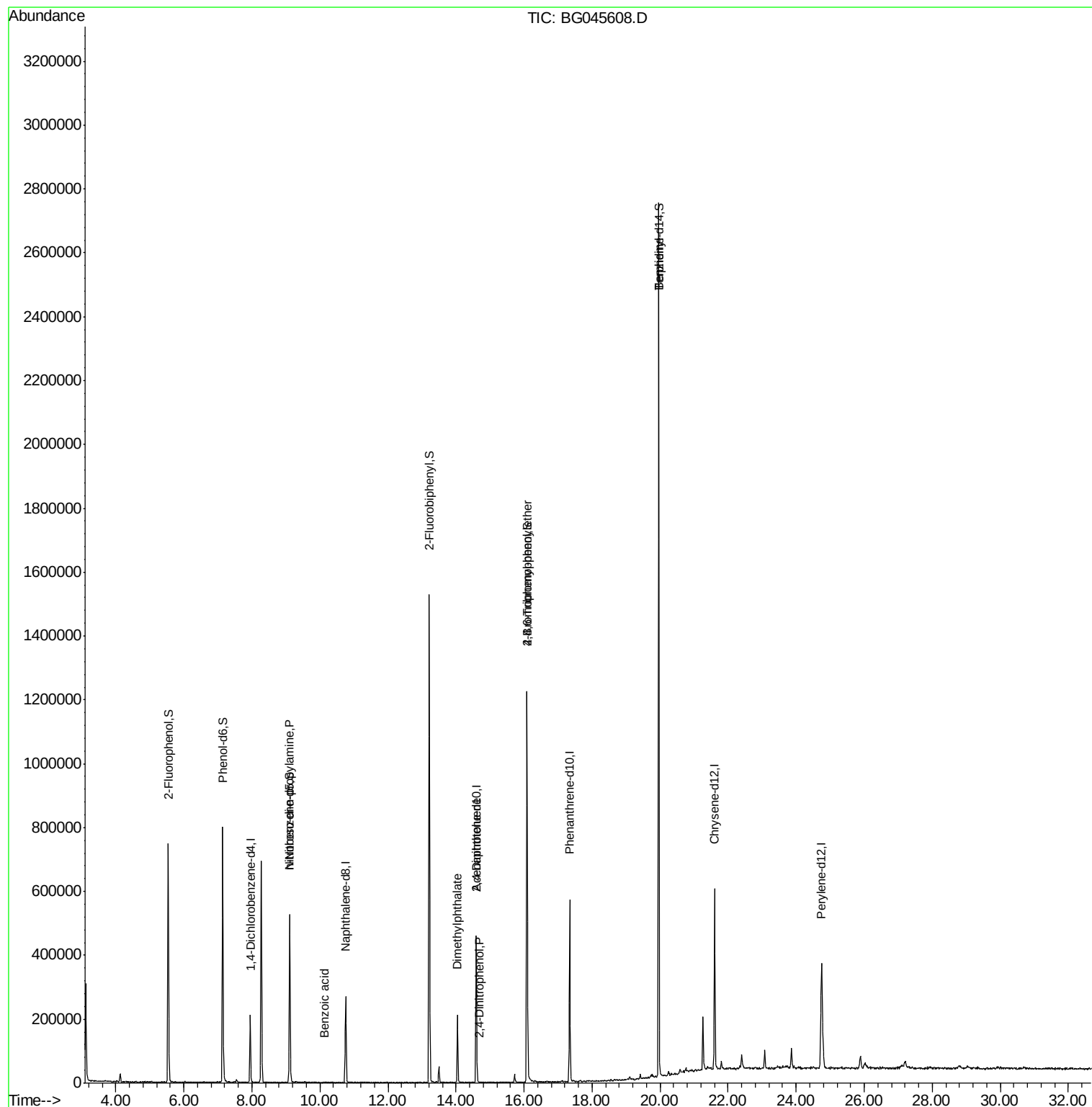
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	64384	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	248510	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	169279	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	383541	20.00	ng	0.00
76) Chrysene-d12	21.60	240	367287	20.00	ng	0.00
87) Perylene-d12	24.75	264	383520	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	373707	113.43	ng	0.00
7) Phenol-d6	7.14	99	537209	114.57	ng	0.00
23) Nitrobenzene-d5	9.11	82	367542	80.65	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	270227	124.82	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	839430	84.11	ng	0.00
79) Terphenyl-d14	19.96	244	1364882	86.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	51904	16.007	ng	# 79
32) Benzoic acid	10.12	122	74	10.050	ng	# 33
50) Dimethylphthalate	14.05	163	153728	13.238	ng	# 97
54) 2,4-Dinitrophenol	14.70	184	57	5.490	ng	# 17
57) 2,4-Dinitrotoluene	14.59	165	20709	5.457	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	18142	4.368	ng	# 1
77) Benzidine	19.96	184	24864	2.410	ng	# 90

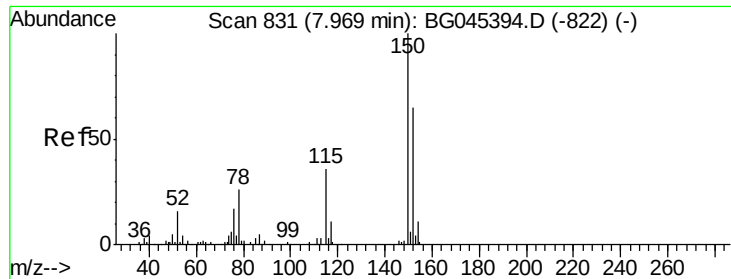
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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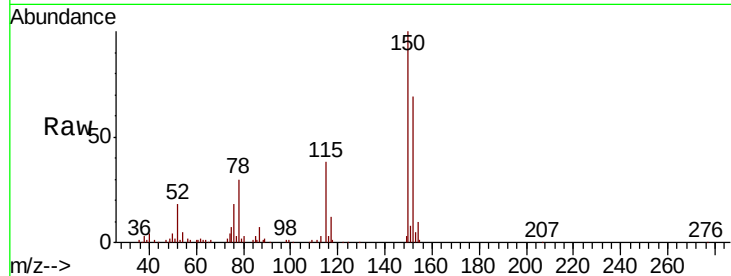


#1

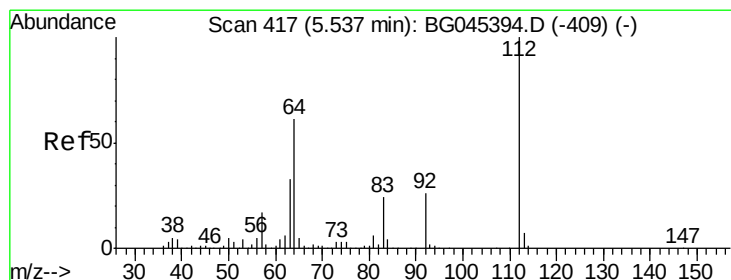
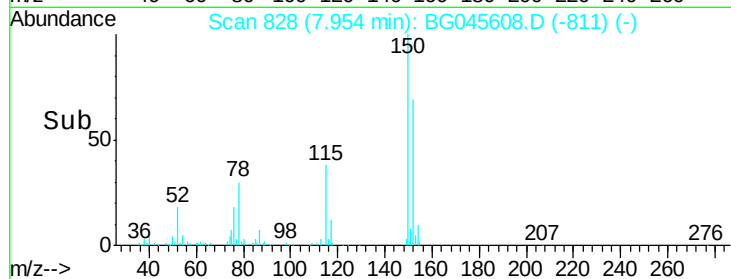
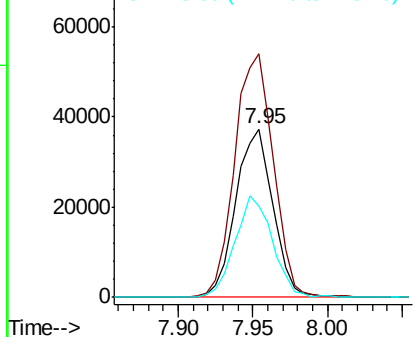
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045608.D
Acq: 4 Jun 2020 16:58

Instrument :
BNA_G
ClientSampleId :
WARREN-TP

Tot Ion:152 Resp: 64384
Ion Ratio Lower Upper
152 100
150 144.6 122.4 183.6
115 54.3 44.2 66.4



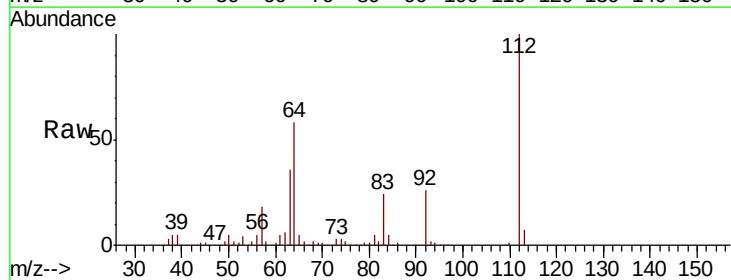
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



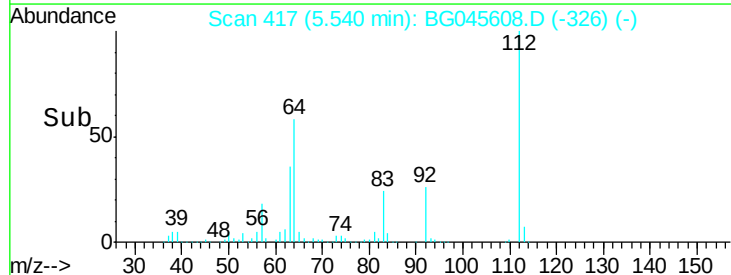
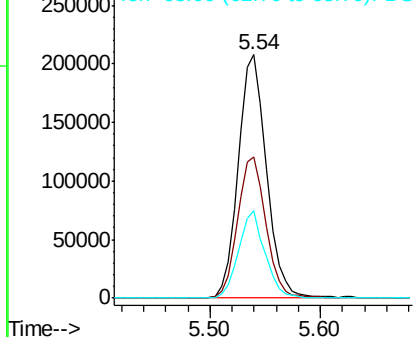
#5

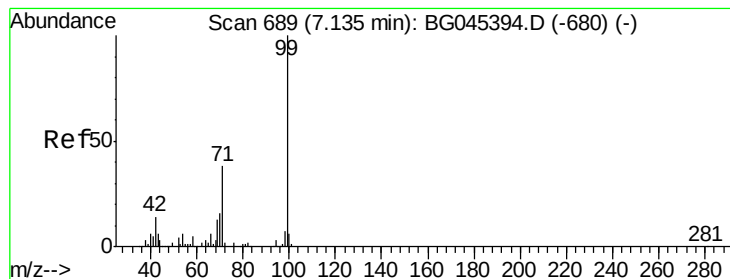
2-Fluorophenol
Concen: 113.434 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045608.D
Acq: 4 Jun 2020 16:58

Tgt Ion:112 Resp: 373707
Ion Ratio Lower Upper
112 100
64 58.1 48.6 72.8
63 36.0 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 114.567 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

Instrument :

BNA_G

ClientSampleId :

WARREN-TP

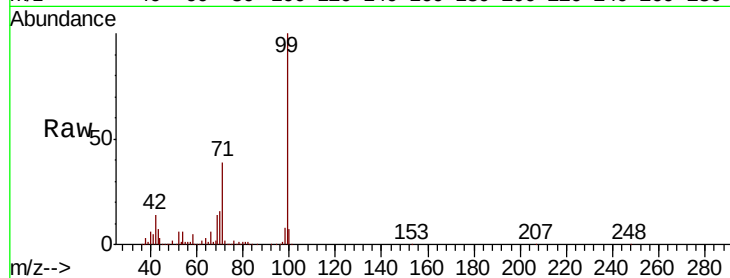
Tot Ion: 99 Resp: 537209

Ion Ratio Lower Upper

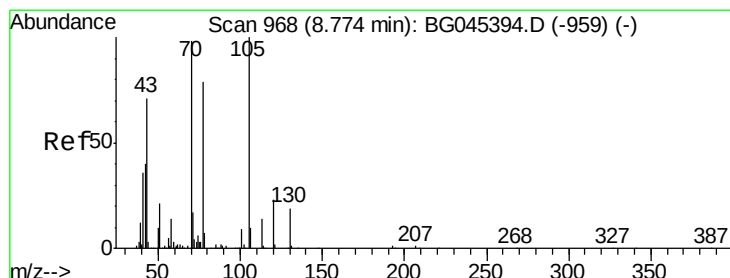
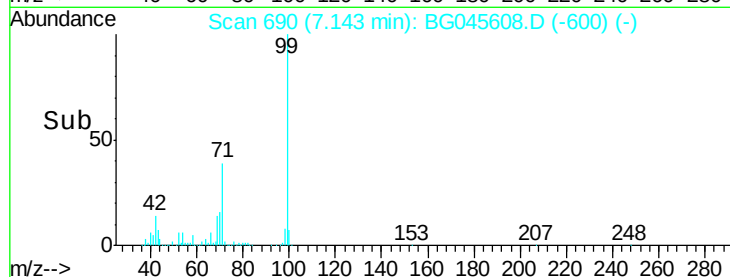
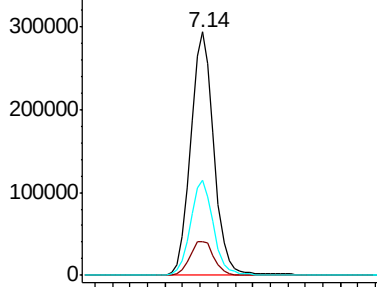
99 100

42 14.1 11.3 16.9

71 39.1 30.8 46.2



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: 16.007 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

Tgt Ion: 70 Resp: 51904

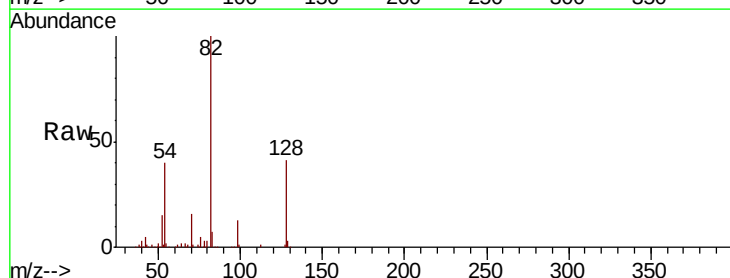
Ion Ratio Lower Upper

70 100

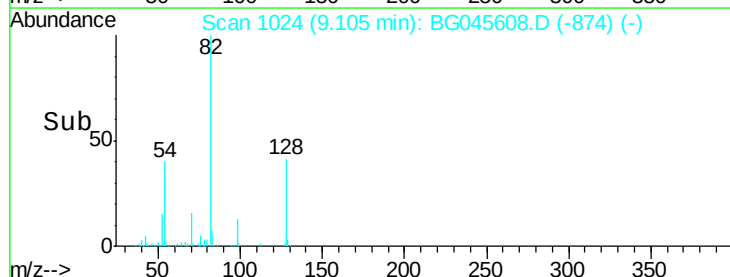
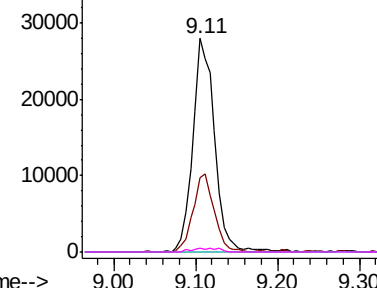
42 34.7 33.2 49.8

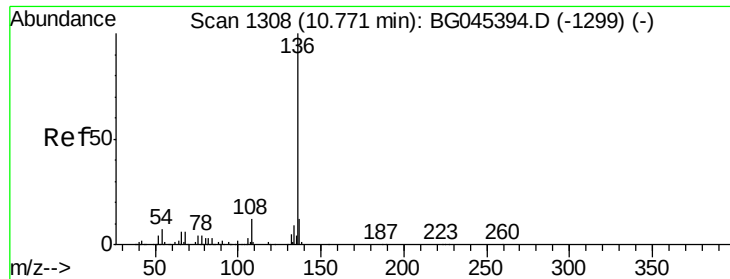
101 0.0 7.8 11.6#

130 1.8 15.4 23.2#



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

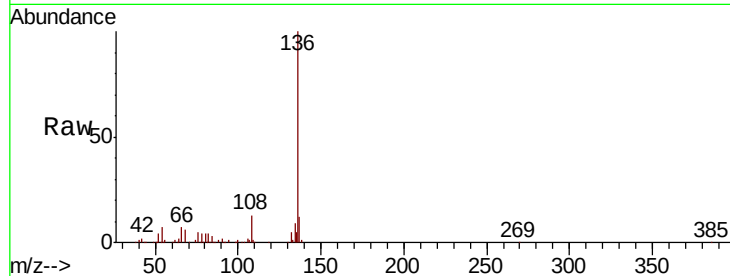




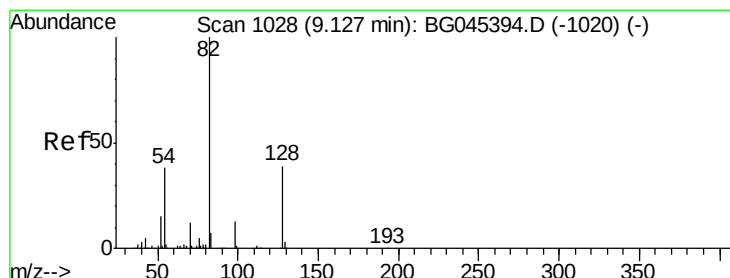
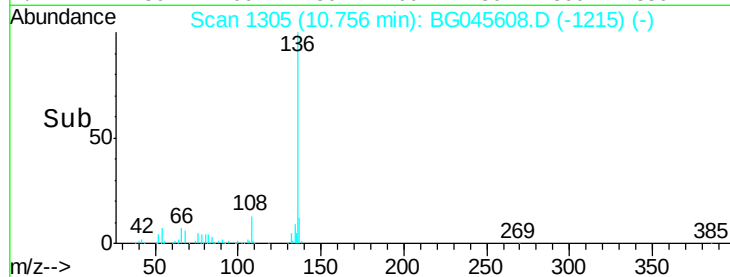
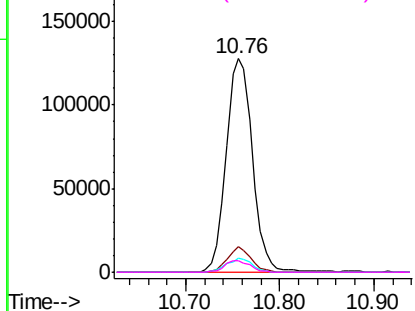
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BG045608.D
Acq: 4 Jun 2020 16:58

Instrument :
BNA_G
ClientSampleId :
WARREN-TP

Tot Ion:136	Resp:	248510
Ion Ratio	Lower	Upper
136 100		
137 12.0	9.4	14.2
54 6.6	5.8	8.6
68 5.6	4.5	6.7

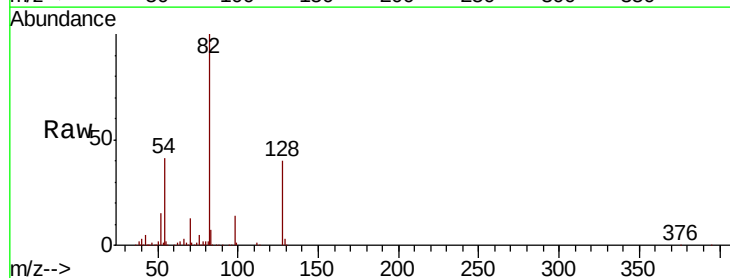


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

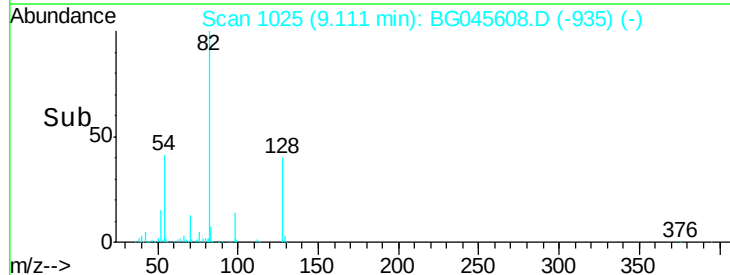
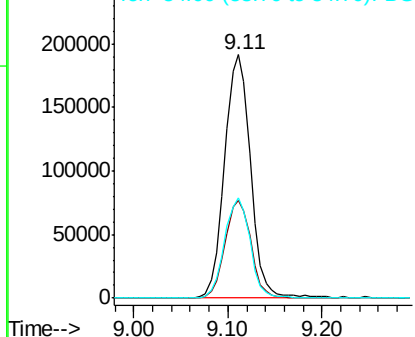


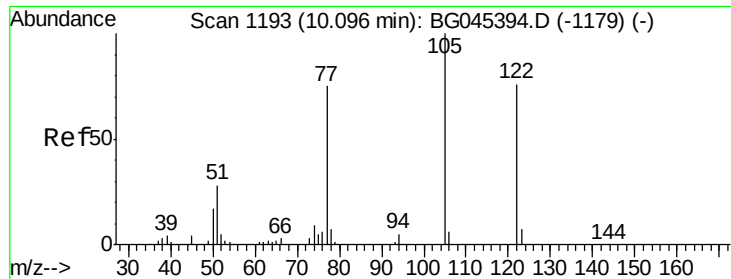
#23
Nitrobenzene-d5
Concen: 80.651 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BG045608.D
Acq: 4 Jun 2020 16:58

Tgt Ion: 82	Resp: 367542
Ion Ratio	Lower Upper
82 100	
128 40.1	30.9 46.3
54 41.2	30.3 45.5



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





#32

Benzoic acid

Concen: 10.050 ng

RT: 10.12 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

Instrument :

BNA_G

ClientSampleId :

WARREN-TP

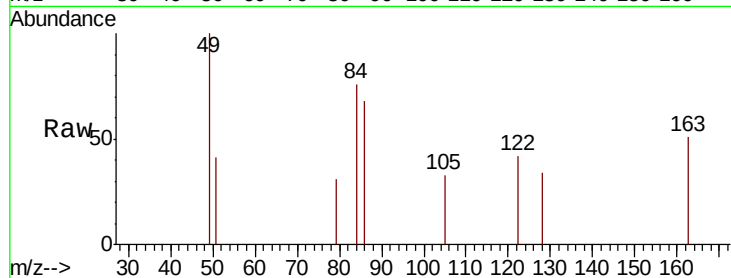
Tot Ion:122 Resp: 74

Ion Ratio Lower Upper

122 100

105 78.7 107.9 147.9#

77 0.0 78.9 118.9#

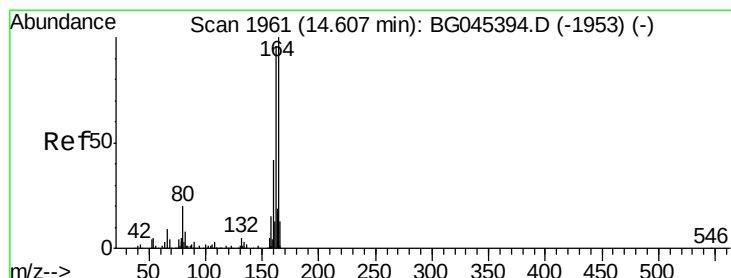
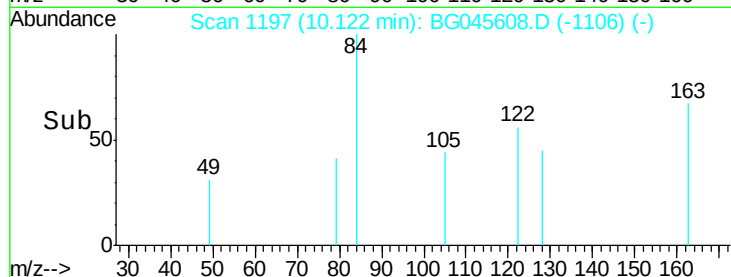
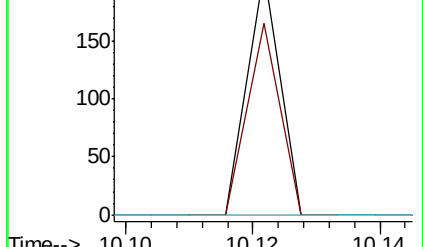


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

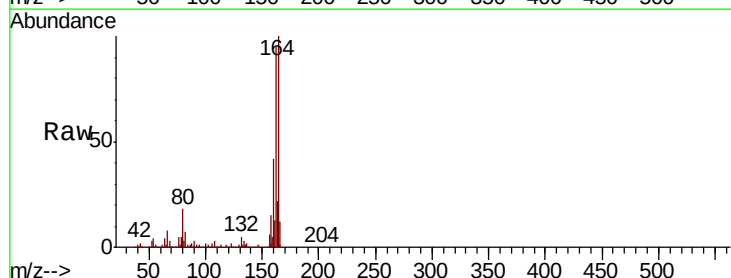
Tgt Ion:164 Resp: 169279

Ion Ratio Lower Upper

164 100

162 94.9 76.9 115.3

160 41.7 33.8 50.8

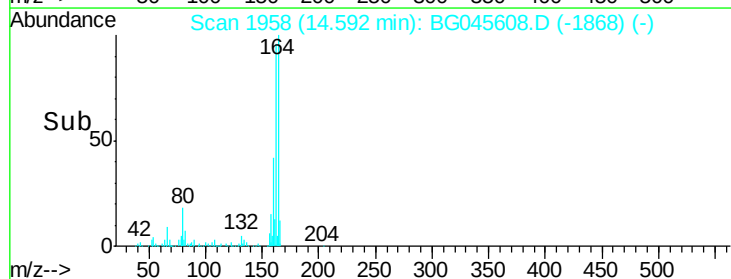
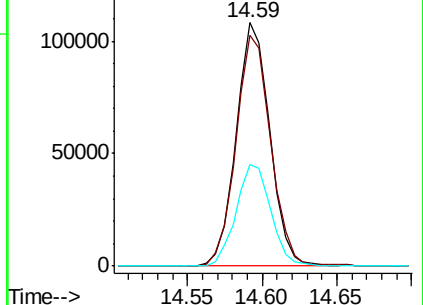


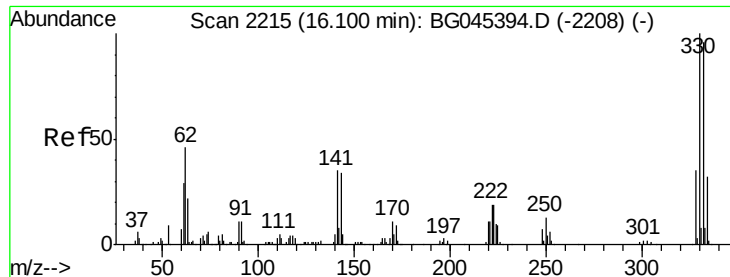
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->





#42

2,4,6-Tribromophenol

Concen: 124.823 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

Instrument :

BNA_G

ClientSampleId :

WARREN-TP

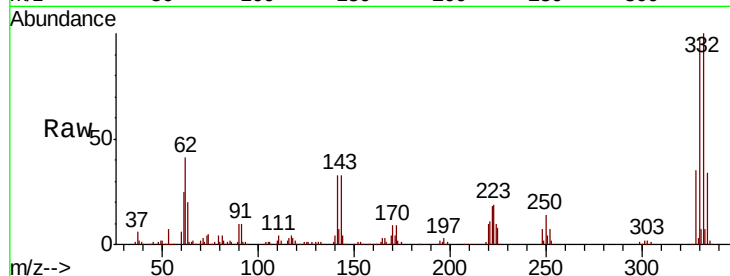
Tot Ion:330 Resp: 270227

Ion Ratio Lower Upper

330 100

332 98.3 78.2 117.4

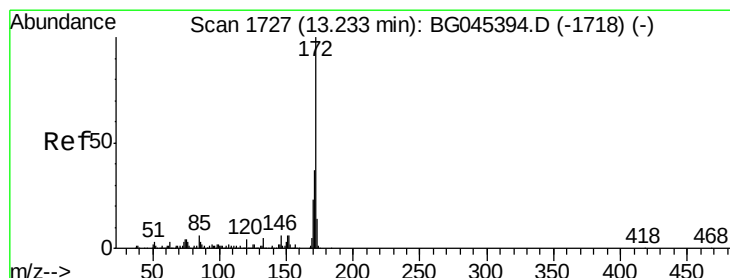
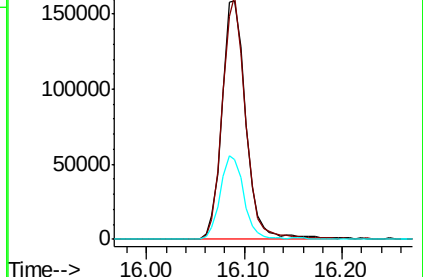
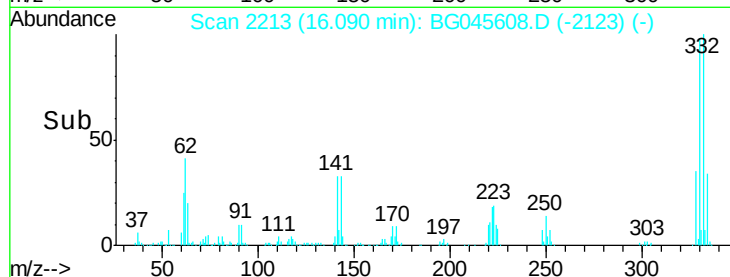
141 34.6 28.2 42.4



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: 84.112 ng

RT: 13.22 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

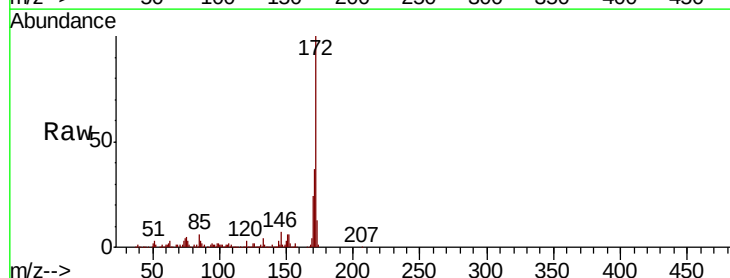
Tgt Ion:172 Resp: 839430

Ion Ratio Lower Upper

172 100

171 37.0 29.5 44.3

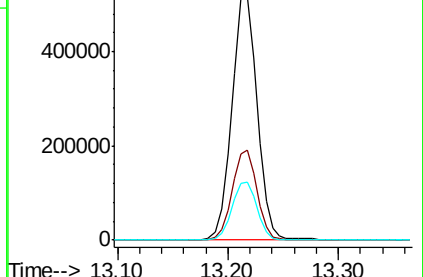
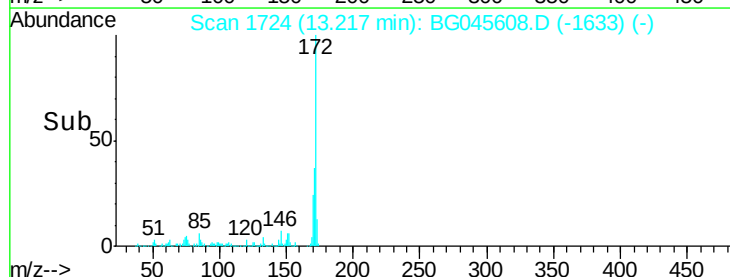
170 23.8 18.5 27.7

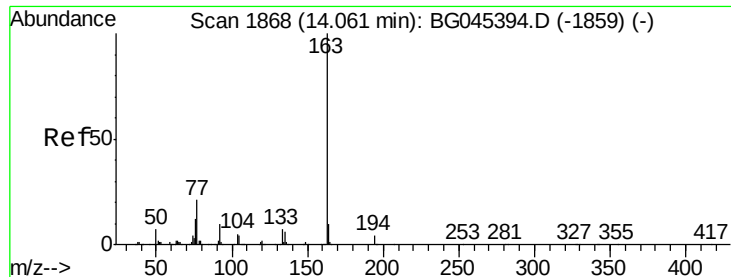


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 13.238 ng

RT: 14.05 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

Instrument :

BNA_G

ClientSampleId :

WARREN-TP

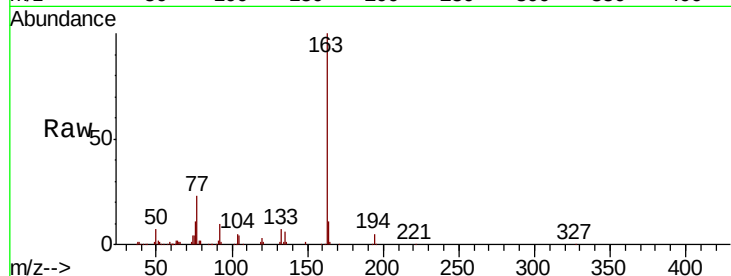
Tot Ion:163 Resp: 153728

Ion Ratio Lower Upper

163 100

194 5.0 3.2 4.8#

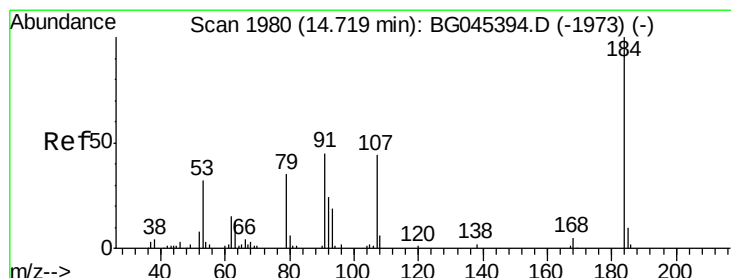
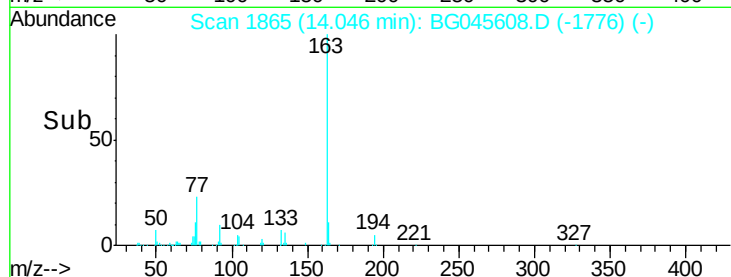
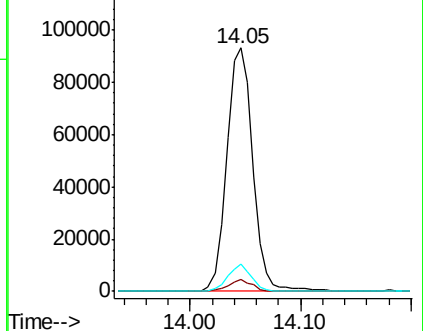
164 11.3 8.3 12.5



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



#54

2,4-Dinitrophenol

Concen: 5.490 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.02 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

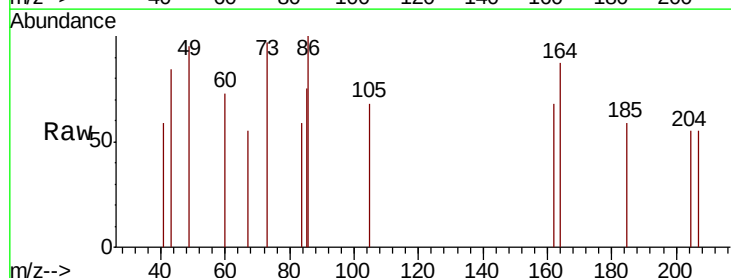
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

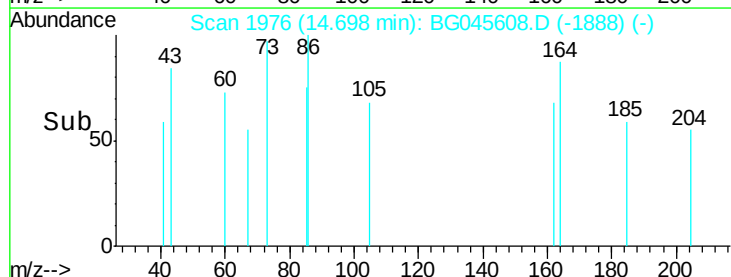
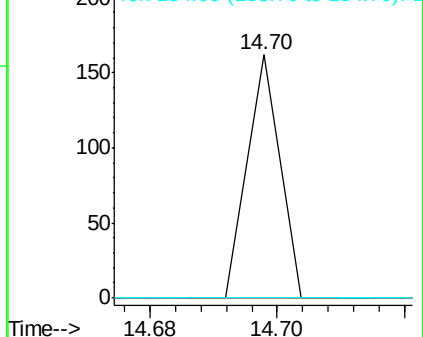
154 0.0 58.3 87.5#

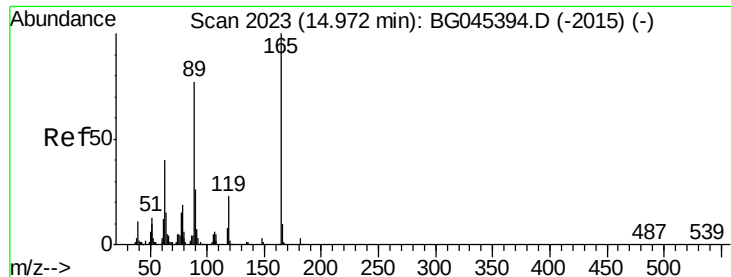


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

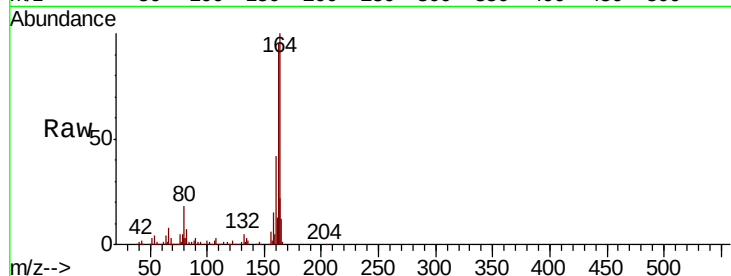




#57
 2,4-Dinitrotoluene
 Concen: 5.457 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.37 min
 Lab File: BG045608.D
 Acq: 4 Jun 2020 16:58

Instrument :
 BNA_G
 ClientSampleId :
 WARREN-TP

Tot Ion:165	Resp:	20709
Ion Ratio	Lower	Upper
165	100	
63	2.0	32.5 48.7#
89	1.6	61.8 92.6#
182	0.0	2.3 3.5#

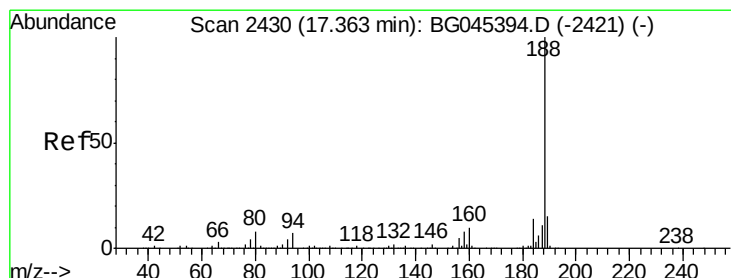
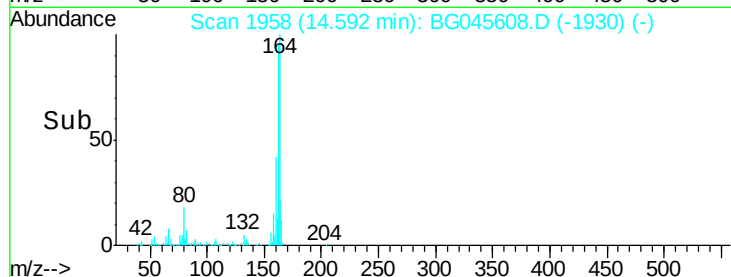
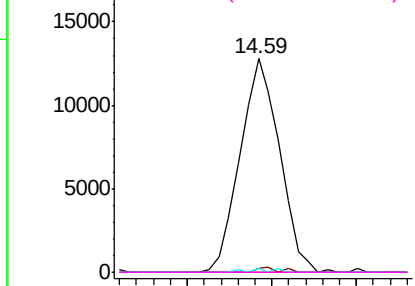


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

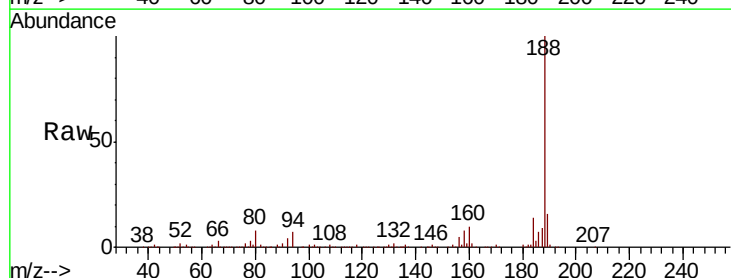
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.34 min Scan# 2426
 Delta R.T. -0.00 min
 Lab File: BG045608.D
 Acq: 4 Jun 2020 16:58

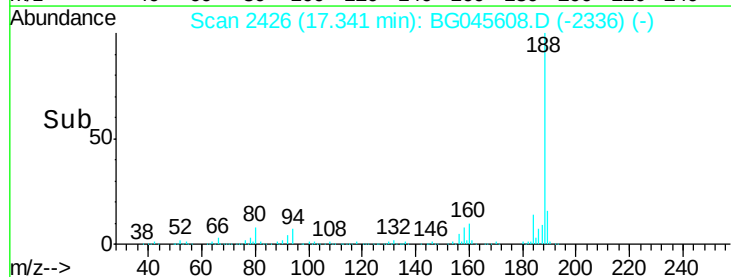
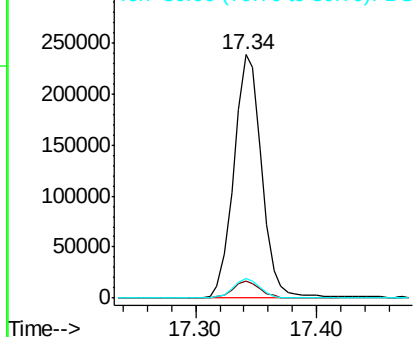
Tgt Ion:188	Resp:	383541
Ion Ratio	Lower	Upper
188	100	
94	7.1	5.5 8.3
80	8.1	6.6 10.0

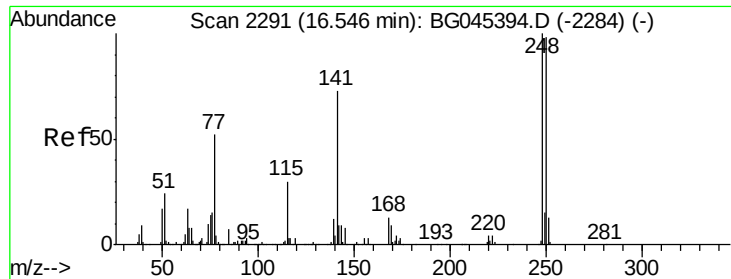


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

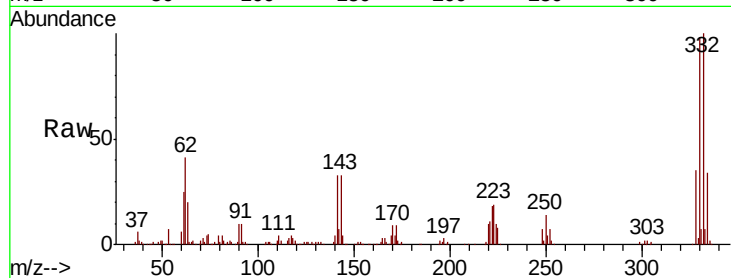




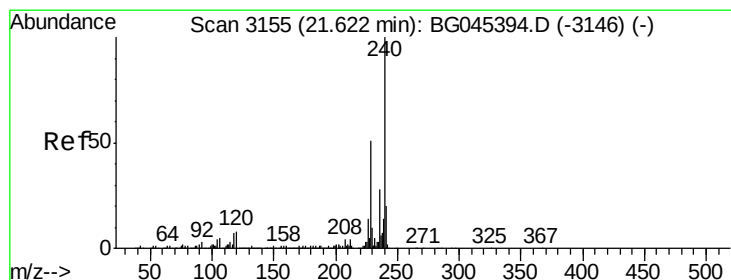
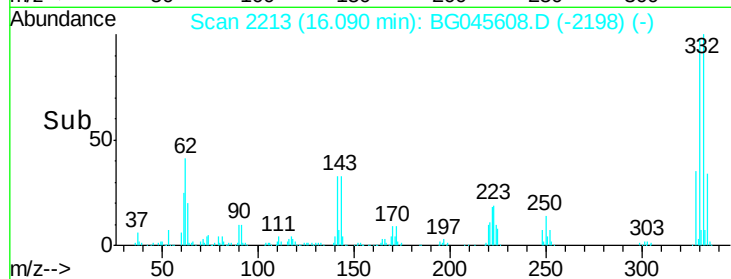
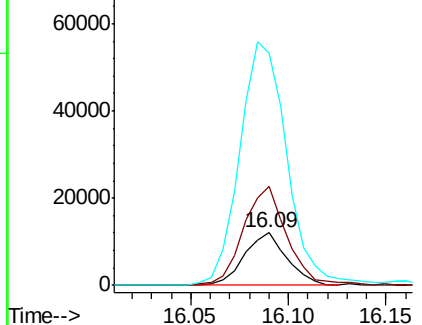
#67
 4-Bromophenyl-phenylether
 Concen: 4.368 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.44 min
 Lab File: BG045608.D
 Acq: 4 Jun 2020 16:58

Instrument :
 BNA_G
 ClientSampleId :
 WARREN-TP

Tot Ion:248 Resp: 18142
 Ion Ratio Lower Upper
 248 100
 250 188.5 78.6 117.8#
 141 441.5 58.2 87.2#

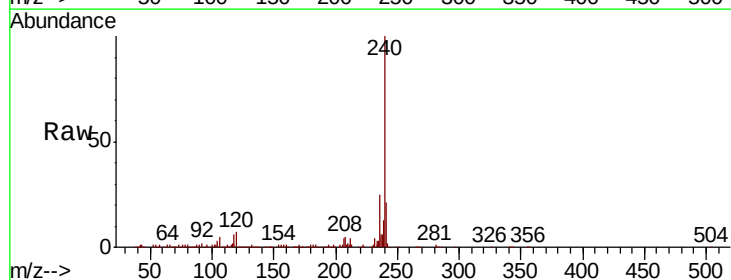


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

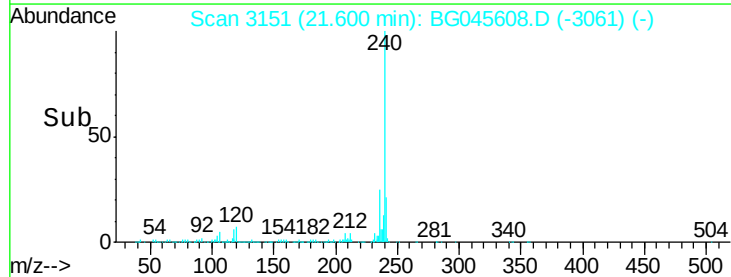
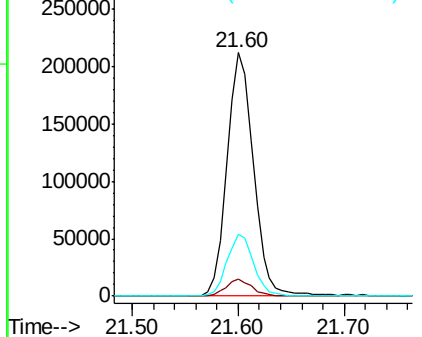


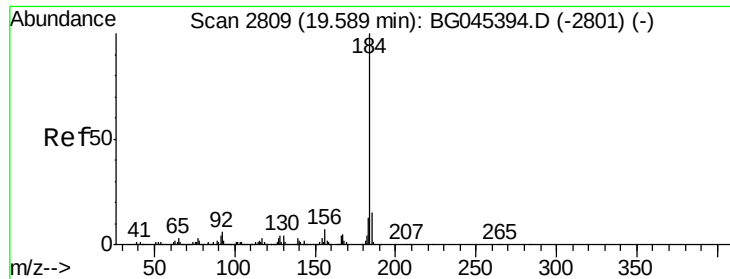
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.60 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: BG045608.D
 Acq: 4 Jun 2020 16:58

Tgt Ion:240 Resp: 367287
 Ion Ratio Lower Upper
 240 100
 120 6.9 6.1 9.1
 236 25.4 22.3 33.5



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: 2.410 ng

RT: 19.96 min Scan# 2871

Delta R.T. 0.38 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

Instrument :

BNA_G

ClientSampleId :

WARREN-TP

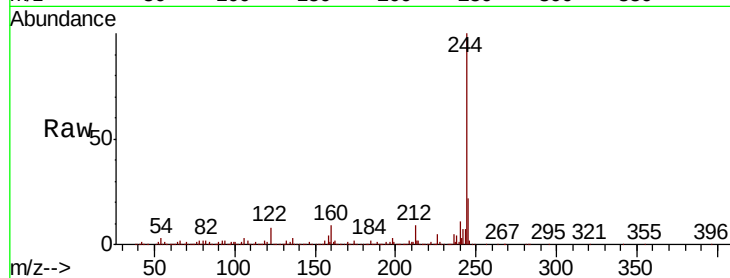
Tot Ion:184 Resp: 24864

Ion Ratio Lower Upper

184 100

185 14.0 11.7 17.5

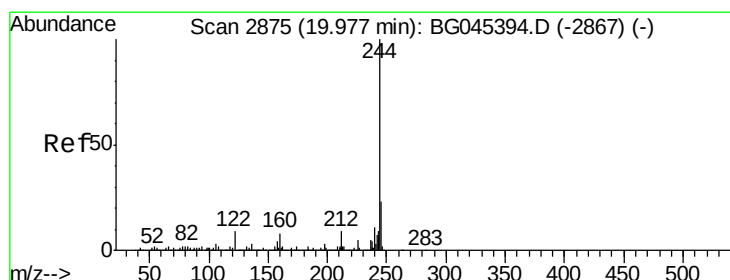
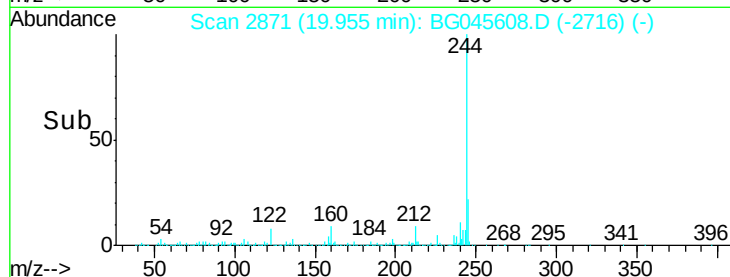
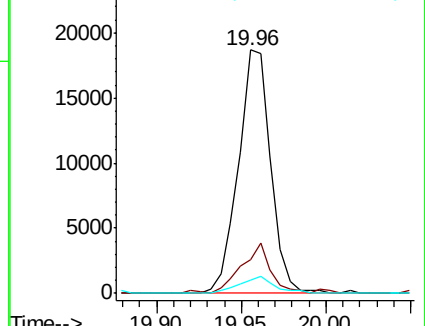
183 5.3 10.2 15.4#



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: 86.671 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045608.D

Acq: 4 Jun 2020 16:58

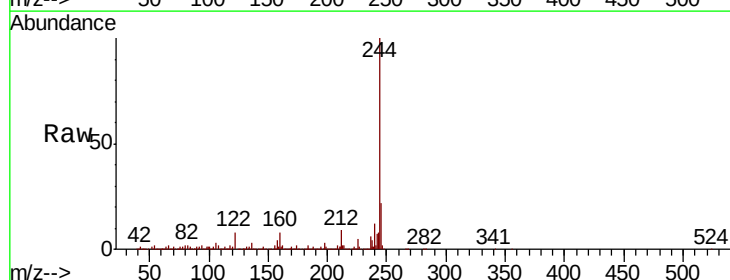
Tgt Ion:244 Resp: 1364882

Ion Ratio Lower Upper

244 100

212 9.1 7.4 11.0

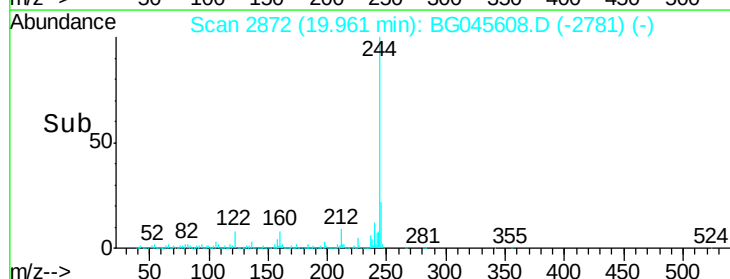
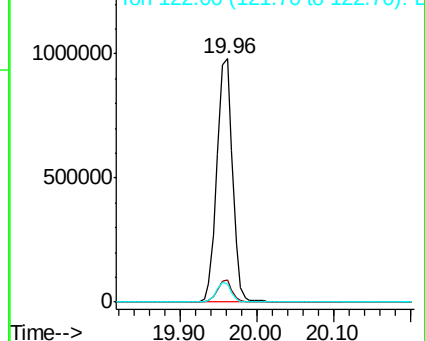
122 7.5 6.8 10.2

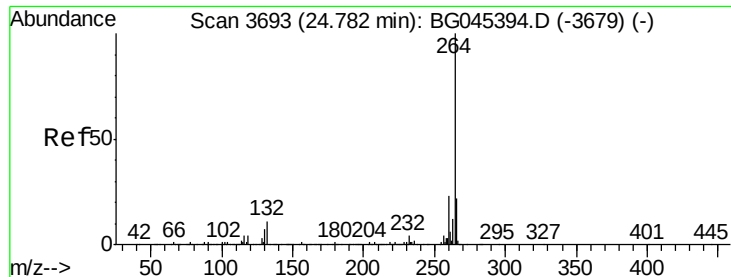


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.75 min Scan# 3687
Delta R.T. -0.00 min
Lab File: BG045608.D
Acq: 4 Jun 2020 16:58

Instrument :
BNA_G
ClientSampleId :
WARREN-TP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	22.4	17.6	26.4

