

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061220\
 Data File : BG045748.D
 Acq On : 12 Jun 2020 20:03
 Operator : CG/JU
 Sample : L2993-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS043MW014-200610

Quant Time: Jun 12 23:48:26 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

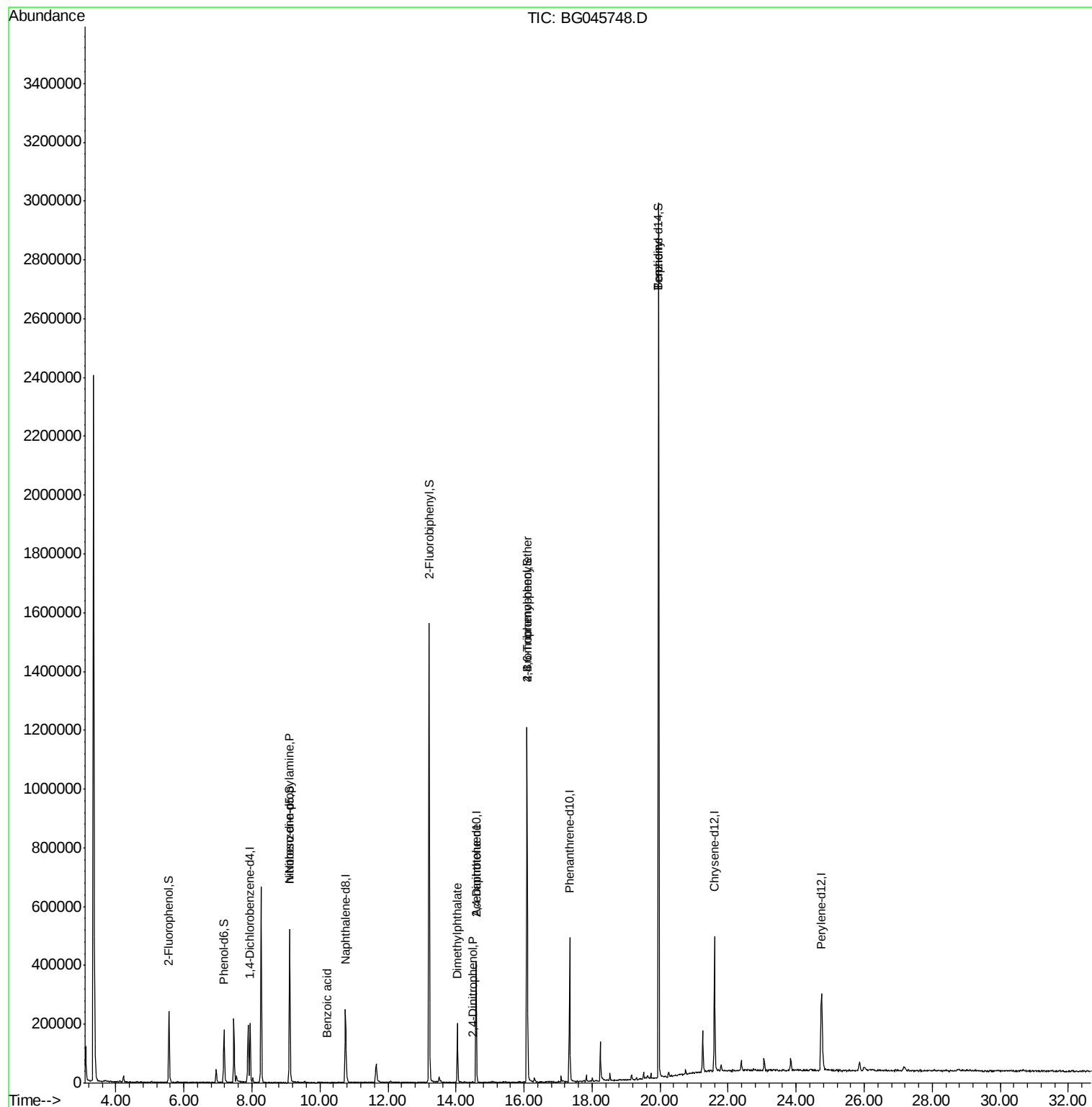
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	54353	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	222566	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	155032	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	333409	20.00	ng	0.00
76) Chrysene-d12	21.60	240	312579	20.00	ng	0.00
87) Perylene-d12	24.74	264	324564	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	125252	45.04	ng	0.02
7) Phenol-d6	7.18	99	121922	30.80	ng	0.03
23) Nitrobenzene-d5	9.11	82	374395	91.73	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	252656	127.43	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	880215	96.30	ng	0.00
79) Terphenyl-d14	19.96	244	1440603	107.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	50730	18.533	ng	# 81
32) Benzoic acid	10.21	122	124	10.074	ng	# 41
50) Dimethylphthalate	14.04	163	133749	12.576	ng	100
54) 2,4-Dinitrophenol	14.49	184	79	5.506	ng	# 17
57) 2,4-Dinitrotoluene	14.59	165	20215	5.816	ng	# 21
67) 4-Bromophenyl-phenylether	16.09	248	17152	4.751	ng	# 1
77) Benzidine	19.96	184	27212	3.100	ng	# 90

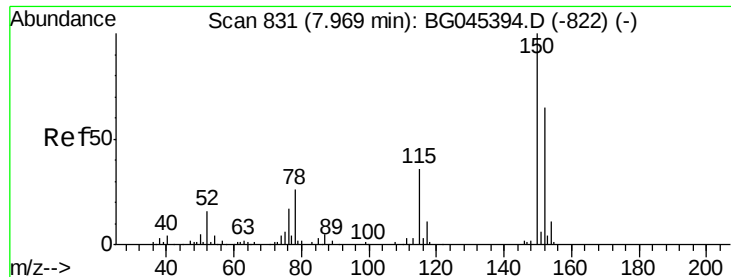
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 12 23:48:26 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.94 min Scan# 826

Delta R.T. -0.01 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

Instrument :

BNA_G

ClientSampleId :

SS043MW014-200610

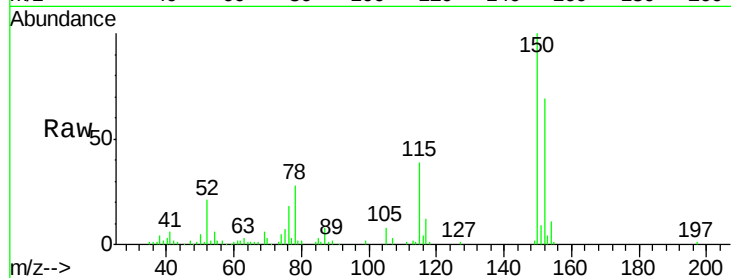
Tot Ion:152 Resp: 54353

Ion Ratio Lower Upper

152 100

150 145.7 122.4 183.6

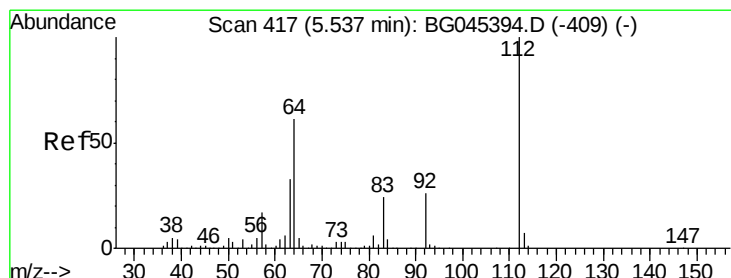
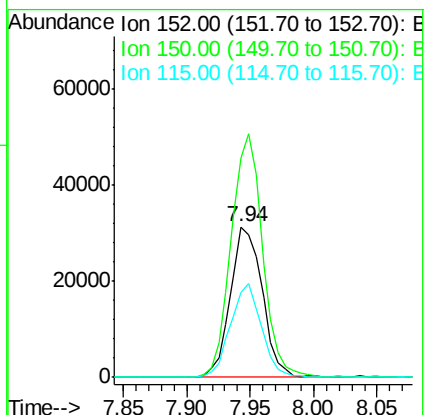
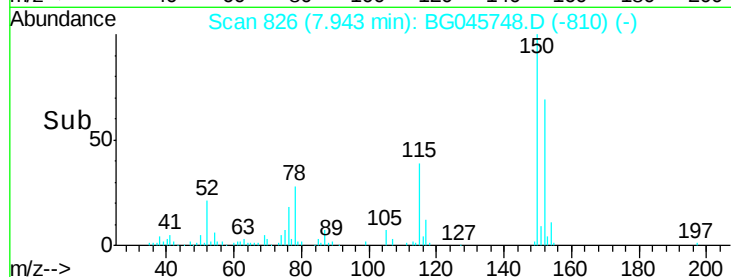
115 56.5 44.2 66.4



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: 45.035 ng

RT: 5.56 min Scan# 420

Delta R.T. 0.02 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

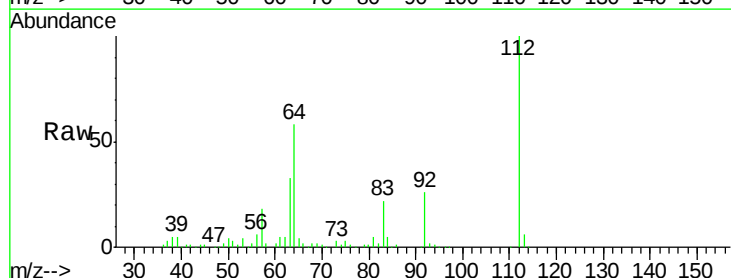
Tgt Ion:112 Resp: 125252

Ion Ratio Lower Upper

112 100

64 58.1 48.6 72.8

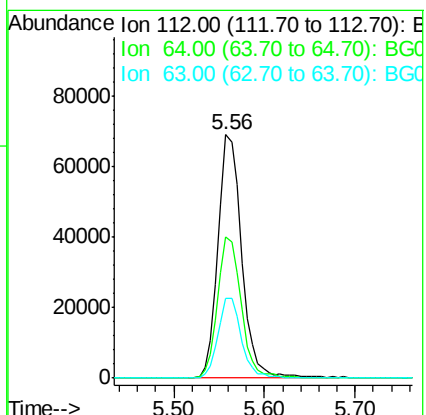
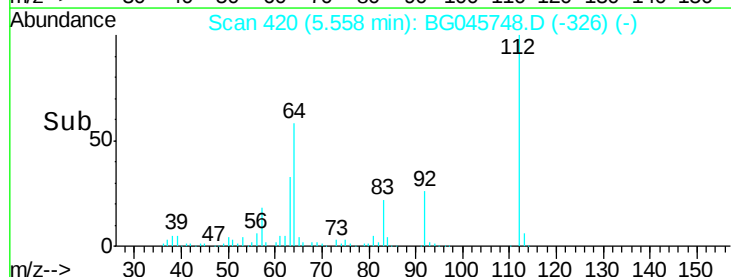
63 33.0 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 30.800 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.03 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

Instrument :

BNA_G

ClientSampleId :

SS043MW014-200610

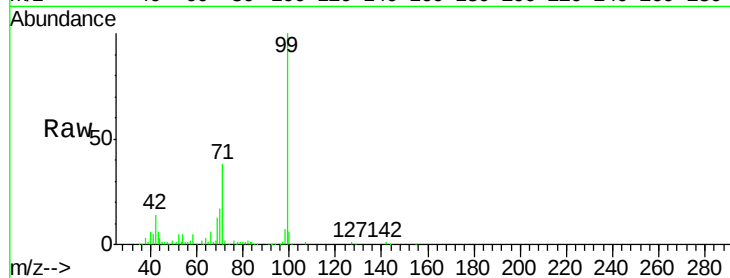
Tot Ion: 99 Resp: 121922

Ion Ratio Lower Upper

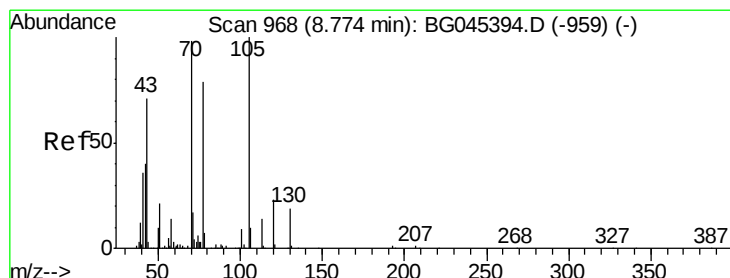
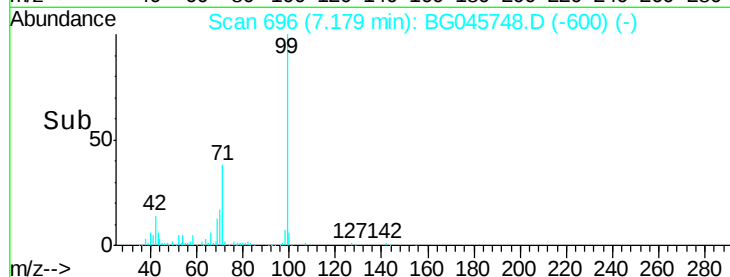
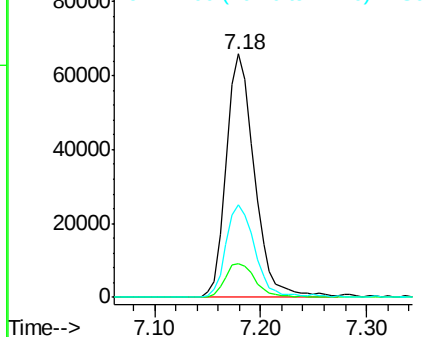
99 100

42 13.7 11.3 16.9

71 38.3 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: 18.533 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

Tgt Ion: 70 Resp: 50730

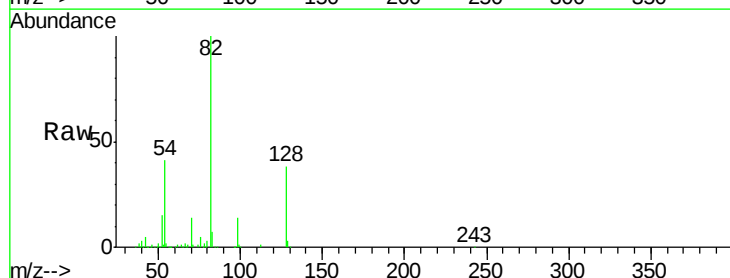
Ion Ratio Lower Upper

70 100

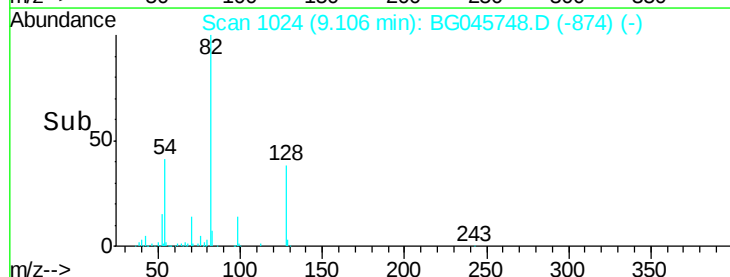
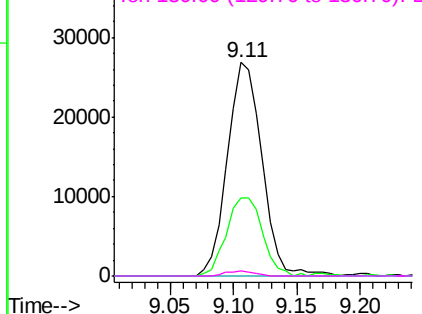
42 36.6 33.2 49.8

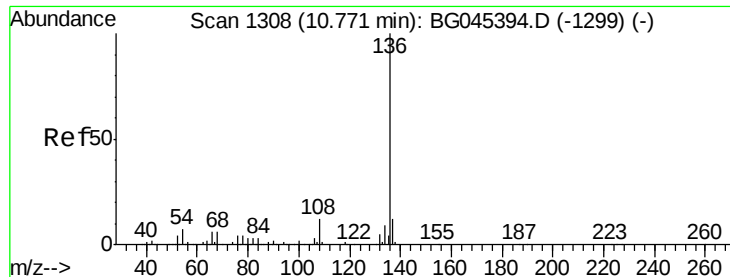
101 0.0 7.8 11.6#

130 2.1 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

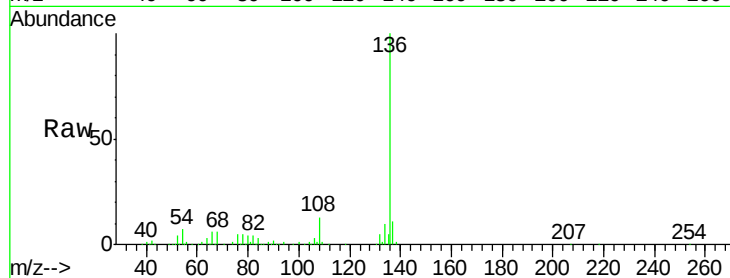




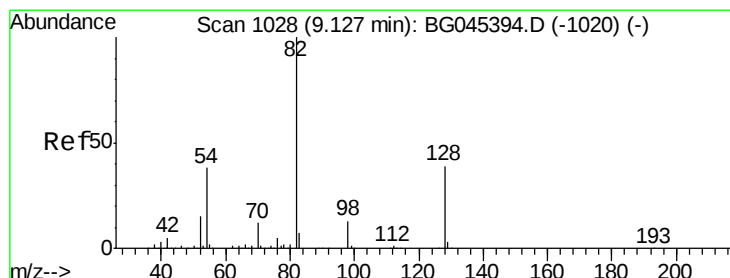
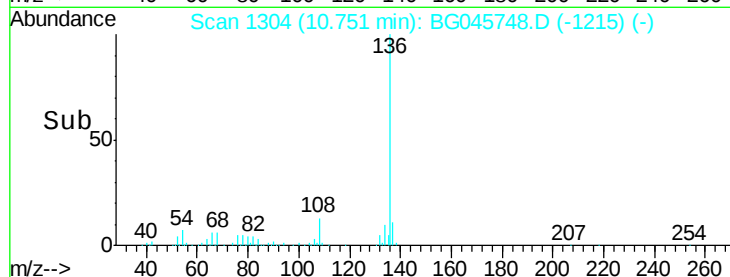
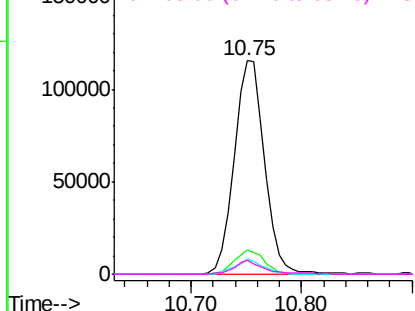
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG045748.D
Acq: 12 Jun 2020 20:03

Instrument :
BNA_G
ClientSampleId :
SS043MW014-200610

Tot Ion:136	Resp:	222566
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.4	14.2
54 7.0	5.8	8.6
68 6.3	4.5	6.7

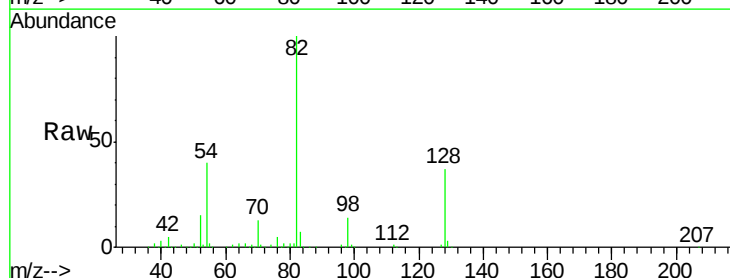


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

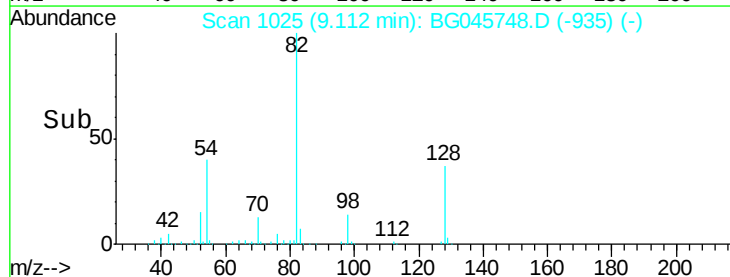
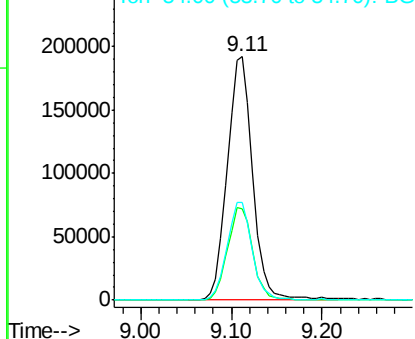


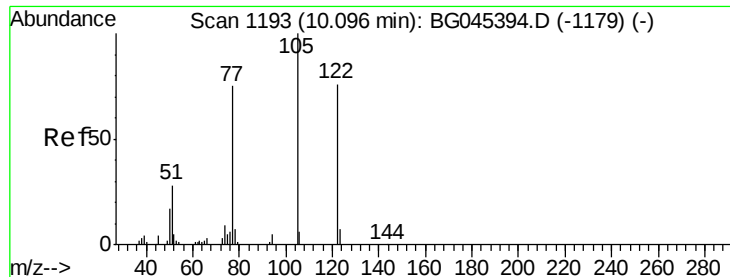
#23
Nitrobenzene-d5
Concen: 91.732 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BG045748.D
Acq: 12 Jun 2020 20:03

Tgt Ion: 82	Resp: 374395
Ion Ratio	Lower Upper
82 100	
128 37.4	30.9 46.3
54 40.3	30.3 45.5



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





#32

Benzoic acid

Concen: 10.074 ng

RT: 10.21 min Scan# 1212

Delta R.T. 0.09 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

Instrument :

BNA_G

ClientSampleId :

SS043MW014-200610

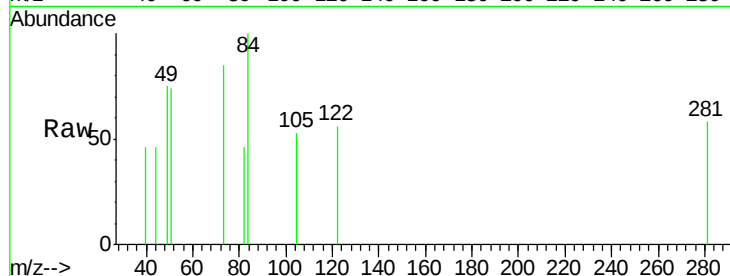
Tot Ion:122 Resp: 124

Ion Ratio Lower Upper

122 100

105 95.0 107.9 147.9#

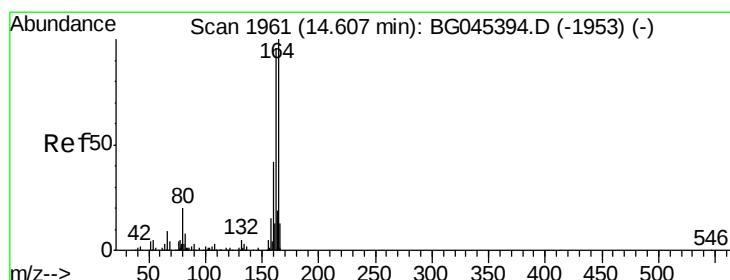
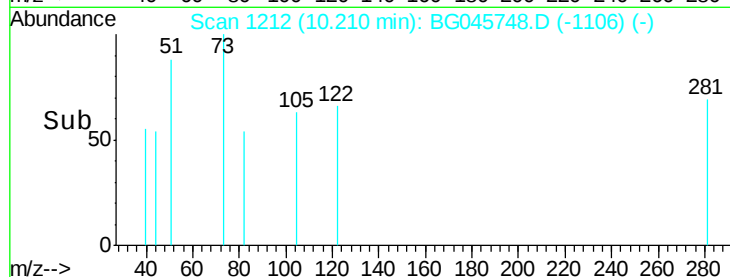
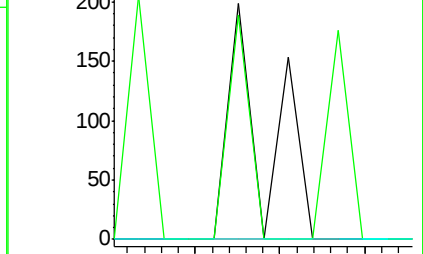
77 0.0 78.9 118.9#



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

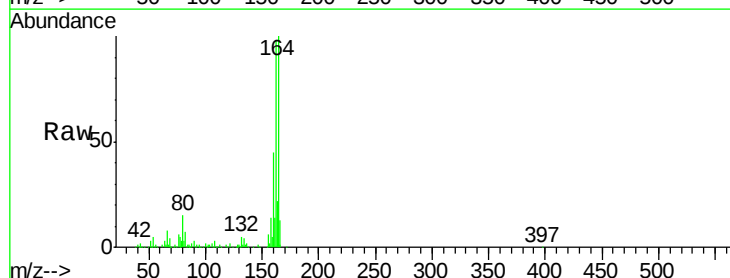
Tgt Ion:164 Resp: 155032

Ion Ratio Lower Upper

164 100

162 97.8 76.9 115.3

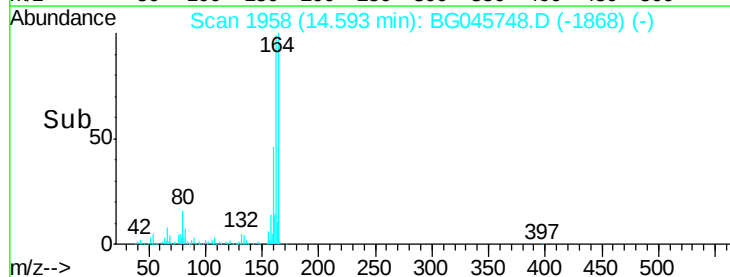
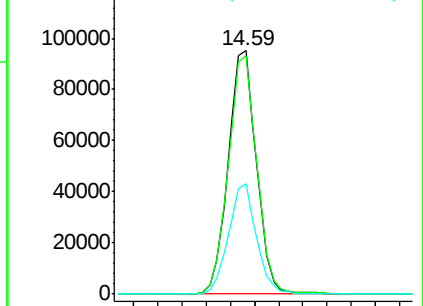
160 45.3 33.8 50.8

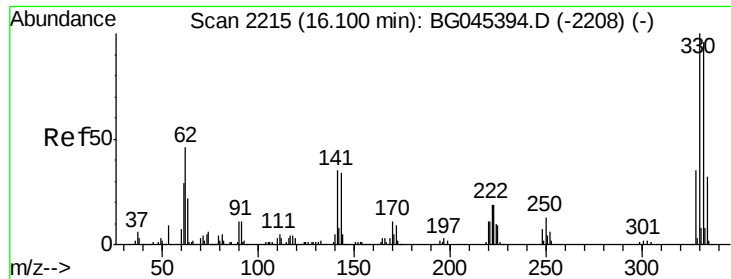


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 127.431 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

Instrument :

BNA_G

ClientSampleId :

SS043MW014-200610

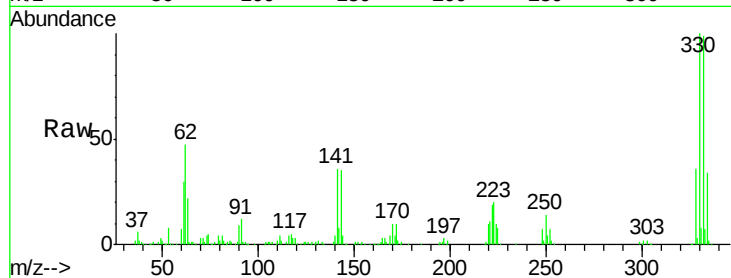
Tot Ion:330 Resp: 252656

Ion Ratio Lower Upper

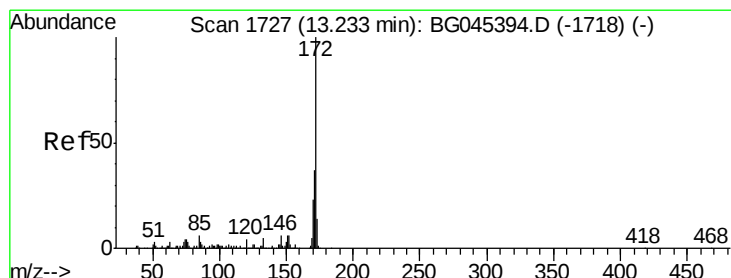
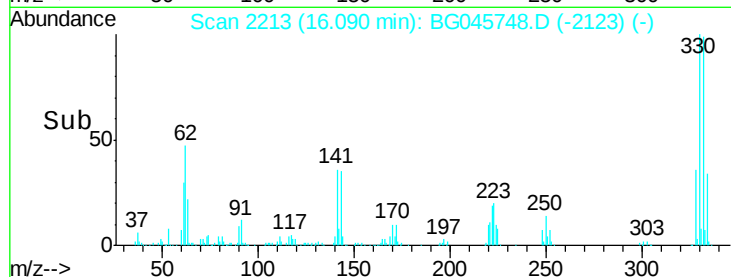
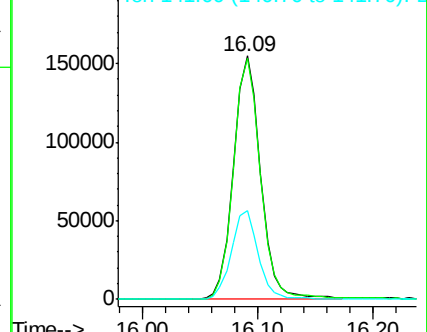
330 100

332 99.6 78.2 117.4

141 36.7 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: 96.304 ng

RT: 13.21 min Scan# 1723

Delta R.T. -0.00 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

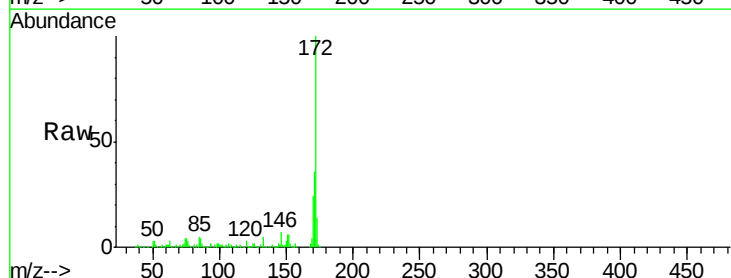
Tgt Ion:172 Resp: 880215

Ion Ratio Lower Upper

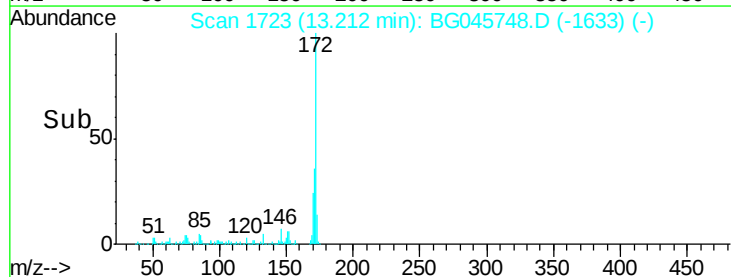
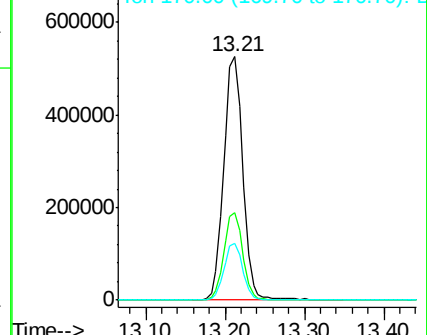
172 100

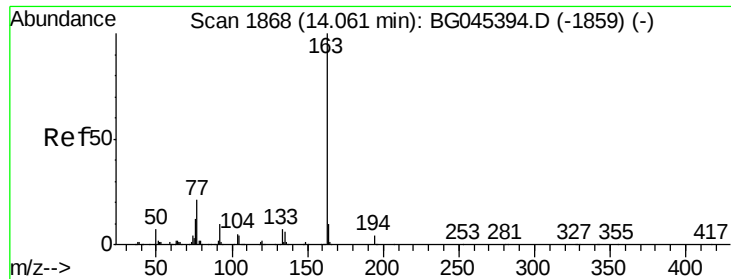
171 36.1 29.5 44.3

170 23.5 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: 12.576 ng

RT: 14.04 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

Instrument :

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ClientSampleId :

SS043MW014-200610

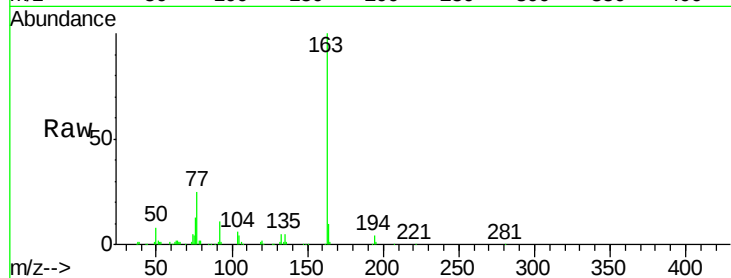
Tot Ion:163 Resp: 133749

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

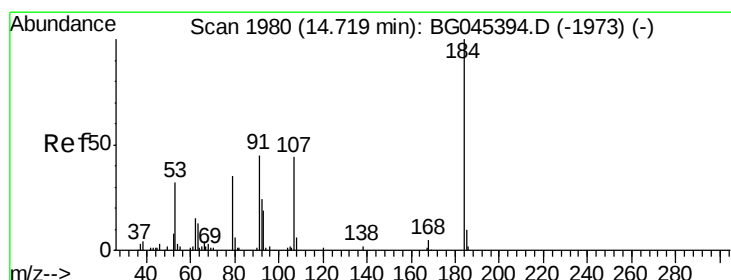
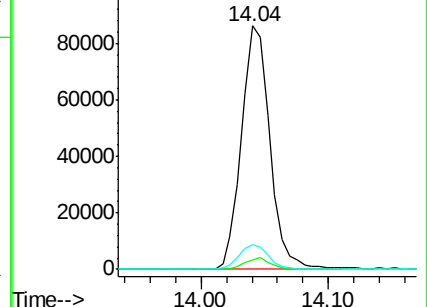
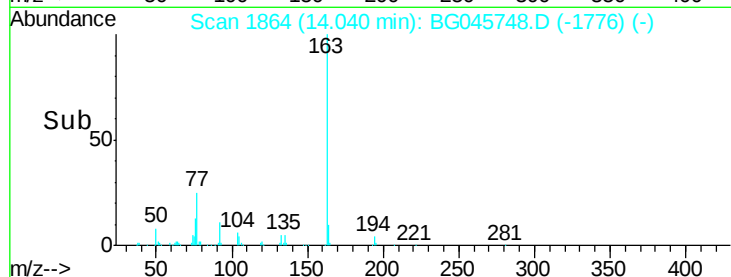
164 10.2 8.3 12.5



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: 5.506 ng

RT: 14.49 min Scan# 1940

Delta R.T. -0.23 min

Lab File: BG045748.D

Acq: 12 Jun 2020 20:03

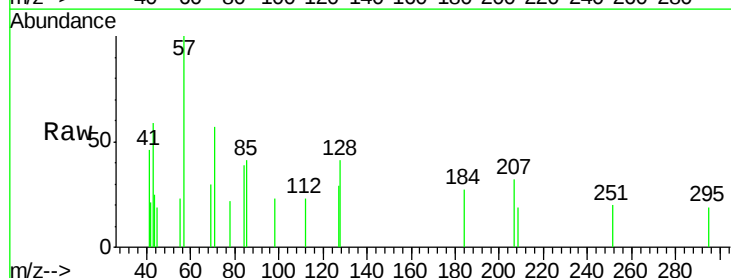
Tgt Ion:184 Resp: 79

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

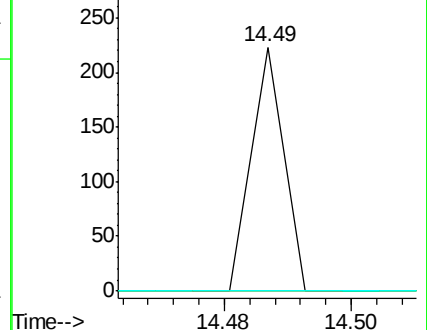
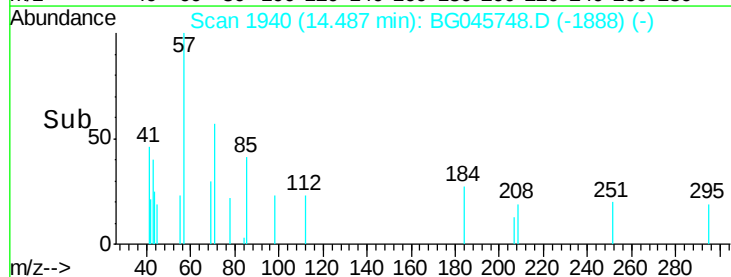
154 0.0 58.3 87.5#

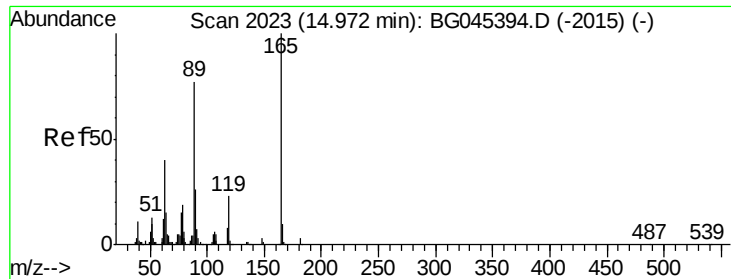


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

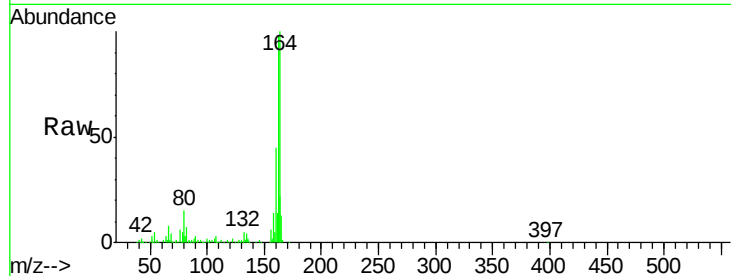




#57
2,4-Dinitrotoluene
Concen: 5.816 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.37 min
Lab File: BG045748.D
Acq: 12 Jun 2020 20:03

Instrument :
BNA_G
ClientSampleId :
SS043MW014-200610

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.5	48.7#
89	0.0	61.8	92.6#
182	0.0	2.3	3.5#

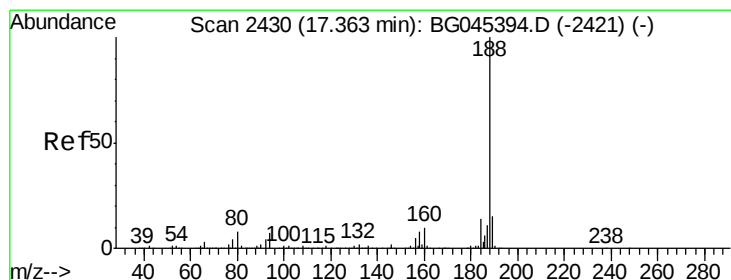
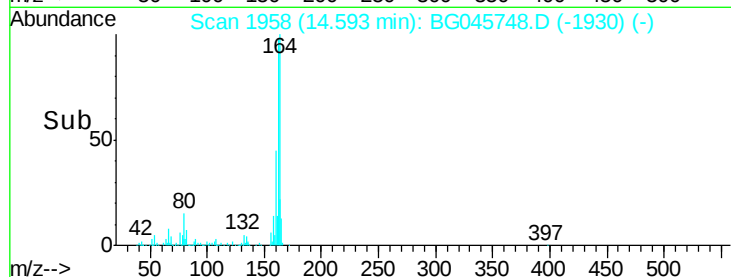
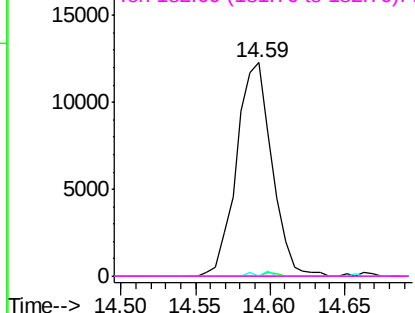


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

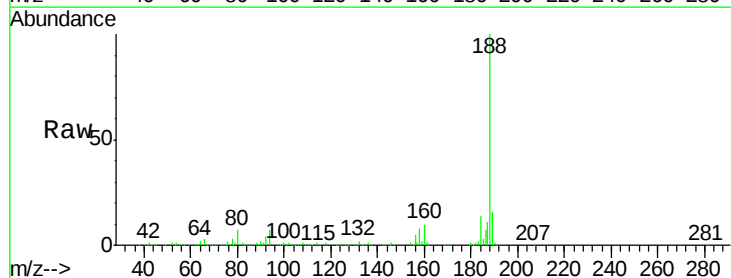
Ion 89.00 (88.70 to 89.70): BGC

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: BG045748.D
Acq: 12 Jun 2020 20:03

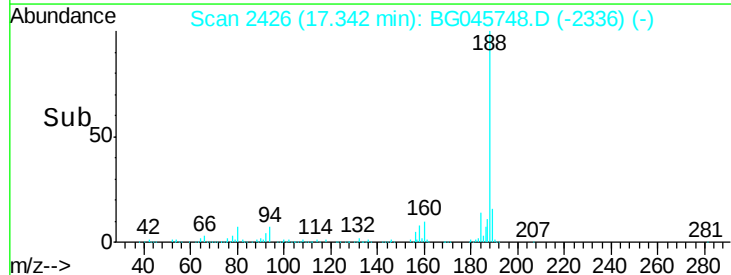
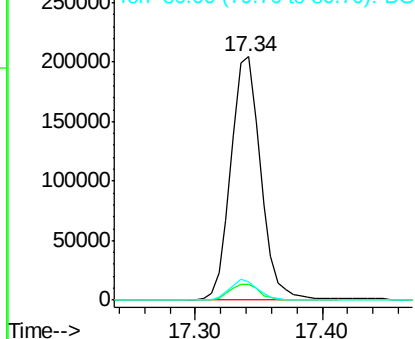
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.5	8.3
80	7.5	6.6	10.0

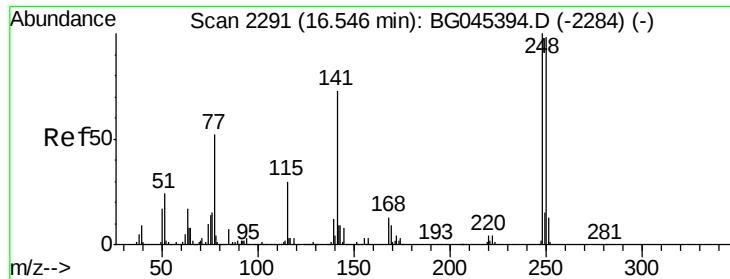


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

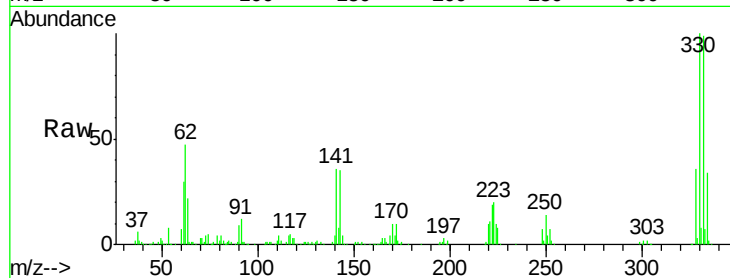




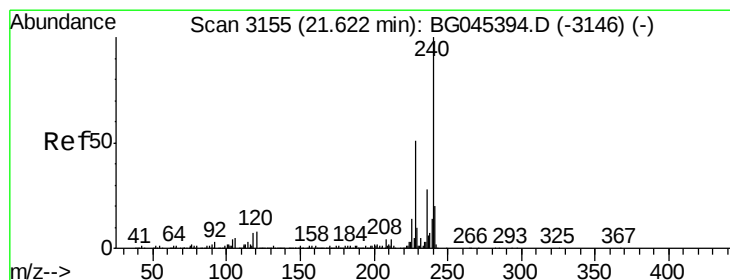
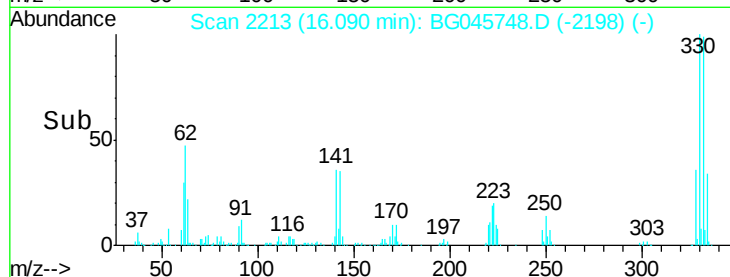
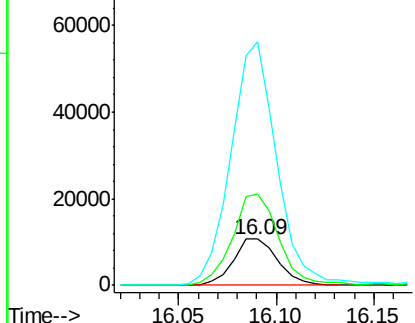
#67
4-Bromophenyl-phenylether
Concen: 4.751 ng
RT: 16.09 min Scan# 2213
Delta R.T. -0.44 min
Lab File: BG045748.D
Acq: 12 Jun 2020 20:03

Instrument :
BNA_G
ClientSampleId :
SS043MW014-200610

Tot Ion:248 Resp: 17152
Ion Ratio Lower Upper
248 100
250 197.4 78.6 117.8#
141 526.8 58.2 87.2#

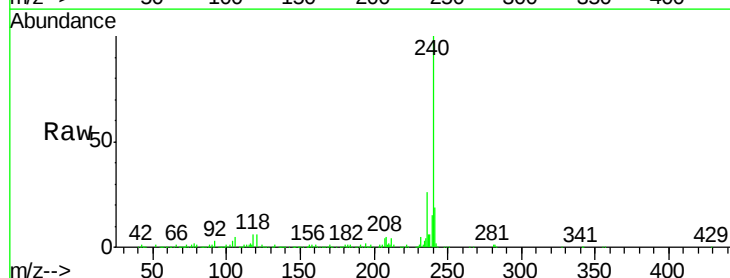


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

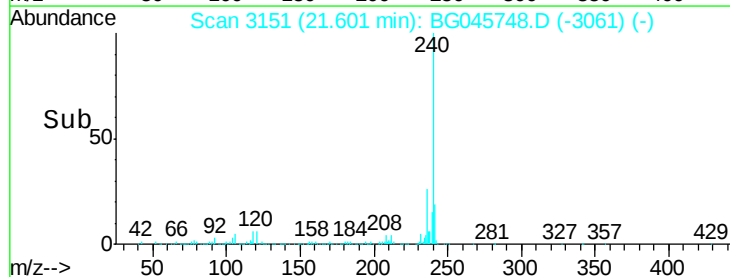
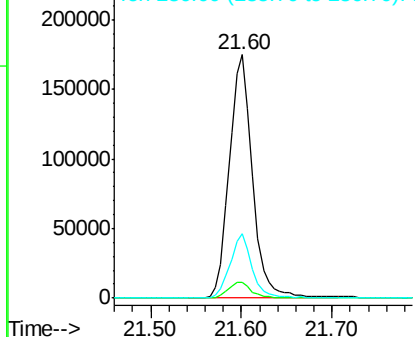


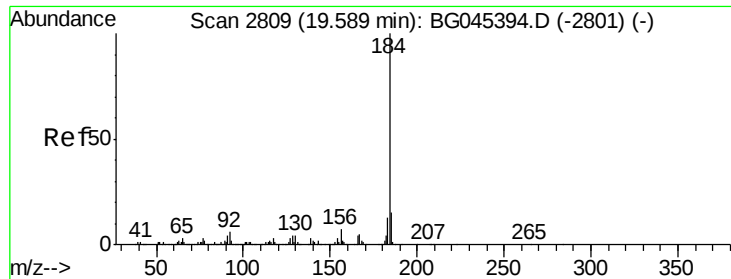
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG045748.D
Acq: 12 Jun 2020 20:03

Tgt Ion:240 Resp: 312579
Ion Ratio Lower Upper
240 100
120 6.5 6.1 9.1
236 26.3 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

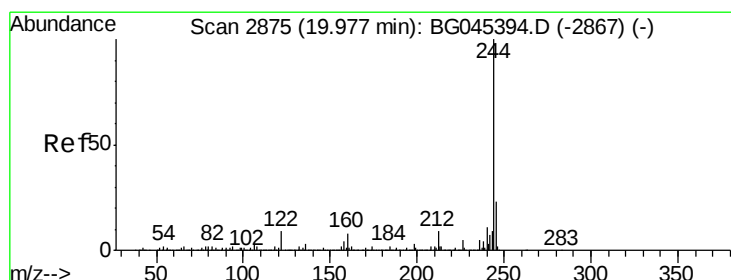
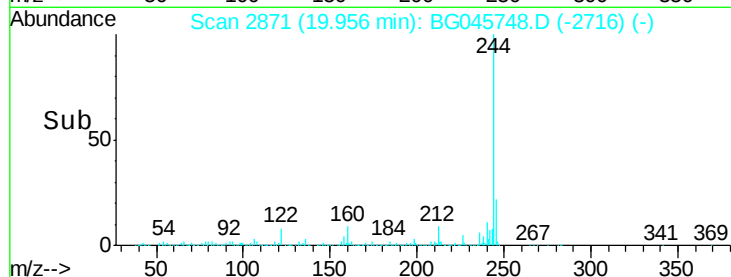
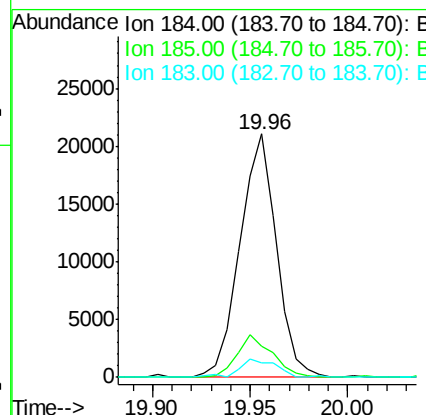
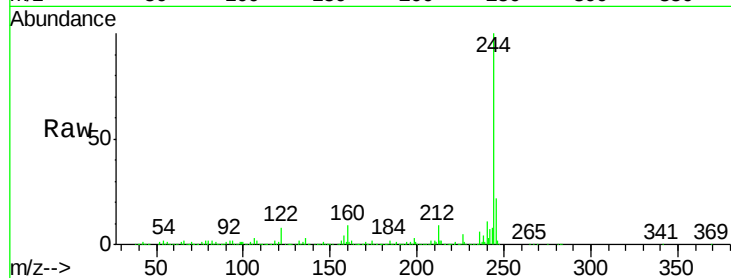




#77
Benzidine
Concen: 3.100 ng
RT: 19.96 min Scan# 2871
Delta R.T. 0.38 min
Lab File: BG045748.D
Acq: 12 Jun 2020 20:03

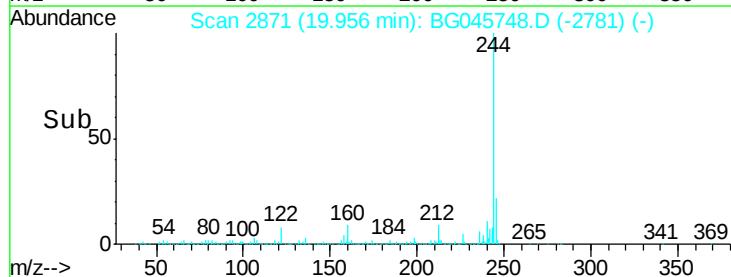
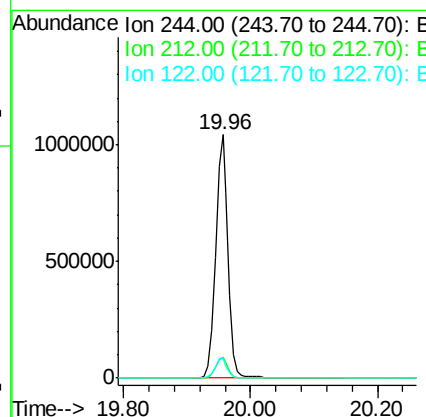
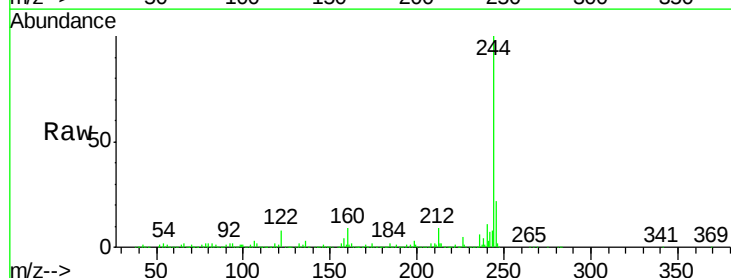
Instrument :
BNA_G
ClientSampleId :
SS043MW014-200610

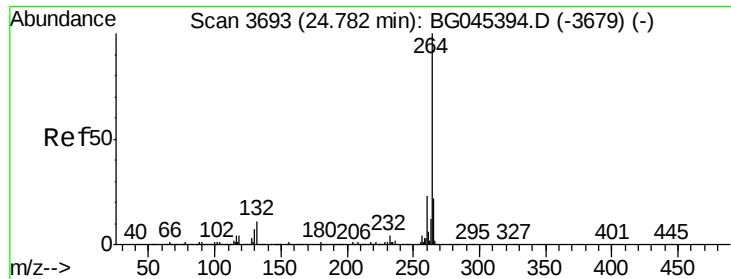
Tot Ion:184 Resp: 27212
Ion Ratio Lower Upper
184 100
185 12.6 11.7 17.5
183 6.1 10.2 15.4#



#79
Terphenyl-d14
Concen: 107.490 ng
RT: 19.96 min Scan# 2871
Delta R.T. -0.00 min
Lab File: BG045748.D
Acq: 12 Jun 2020 20:03

Tgt Ion:244 Resp: 1440603
Ion Ratio Lower Upper
244 100
212 8.6 7.4 11.0
122 7.9 6.8 10.2

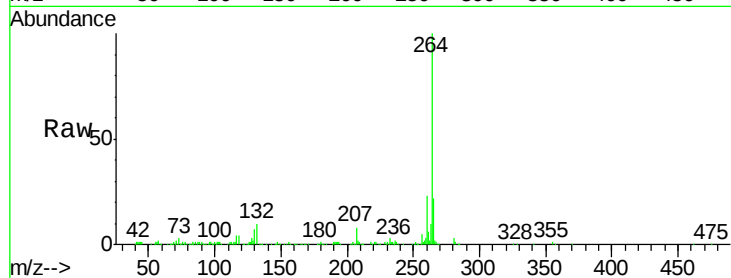




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.74 min Scan# 3685
Delta R.T. -0.01 min
Lab File: BG045748.D
Acq: 12 Jun 2020 20:03

Instrument :
BNA_G
ClientSampleId :
SS043MW014-200610

Tot Ion:	264	Resp:	324564
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	21.9	17.6	26.4



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

