

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052920\
 Data File : BG045539.D
 Acq On : 30 May 2020 4:02
 Operator : CG/JU
 Sample : L2503-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-052820

Quant Time: May 30 06:32:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 11:17:45 2020
 Response via : Initial Calibration

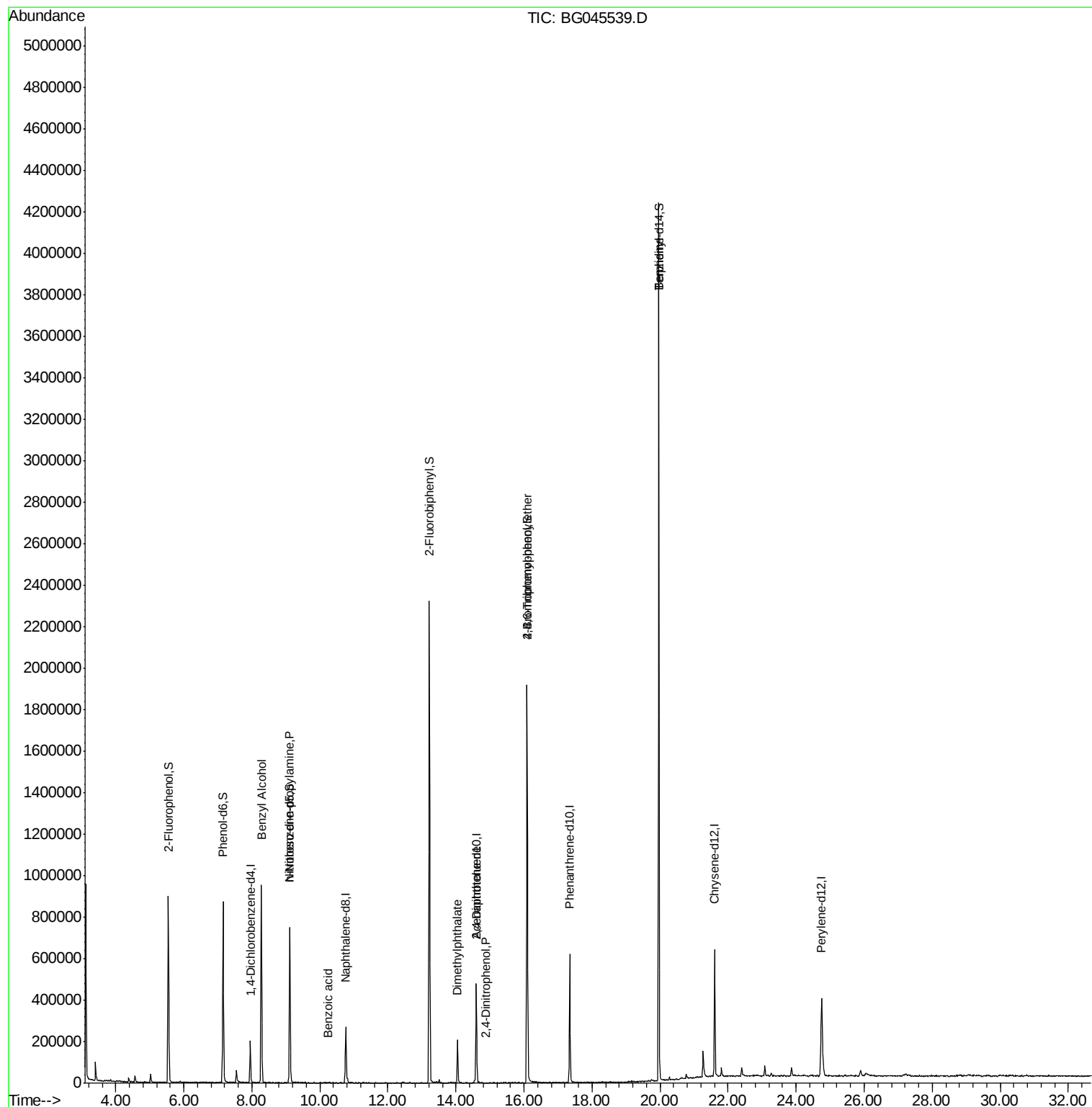
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	59704	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	244597	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	179613	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	423112	20.00	ng	0.00
76) Chrysene-d12	21.61	240	406970	20.00	ng	0.00
87) Perylene-d12	24.75	264	431531	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	447973	146.64	ng	0.00
7) Phenol-d6	7.16	99	584992	134.54	ng	0.00
23) Nitrobenzene-d5	9.11	82	522910	116.58	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	405094	176.35	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1227620	115.93	ng	0.00
79) Terphenyl-d14	19.96	244	2035087	116.63	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.28	79	8838	2.460	ng	# 58
19) n-Nitroso-di-n-propylamine	9.11	70	70724	23.521	ng	# 82
32) Benzoic acid	10.23	122	66	10.048	ng	# 1
50) Dimethylphthalate	14.05	163	146927	11.925	ng	# 99
54) 2,4-Dinitrophenol	14.89	184	68	5.494	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	23747	5.897	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	27226	5.942	ng	# 1
77) Benzidine	19.96	184	39619	3.466	ng	# 92

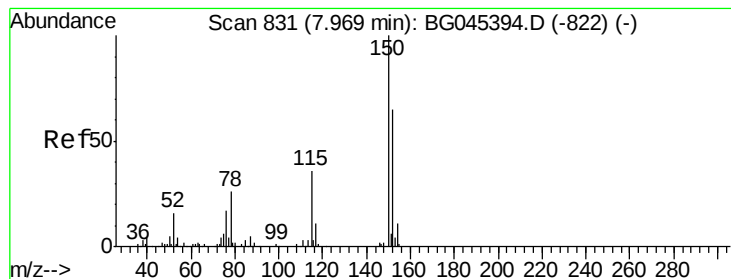
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052920\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

Instrument :

BNA_G

ClientSampleId :

OR-03-052820

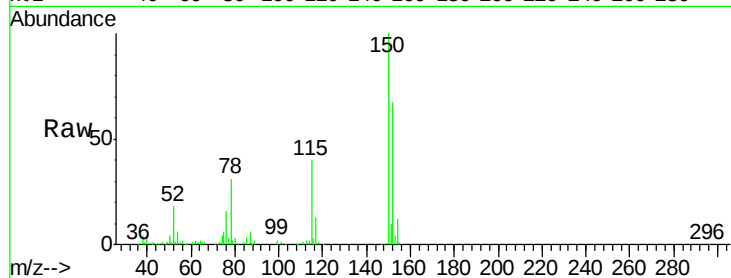
Tot Ion:152 Resp: 59704

Ion Ratio Lower Upper

152 100

150 149.4 122.4 183.6

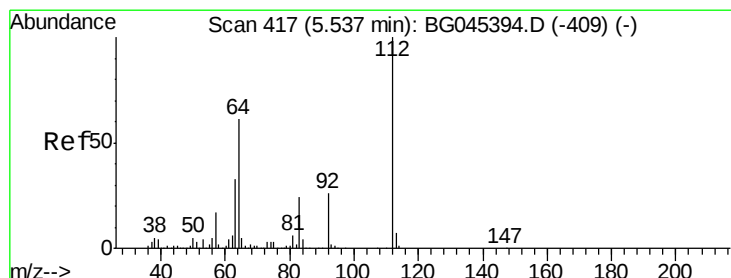
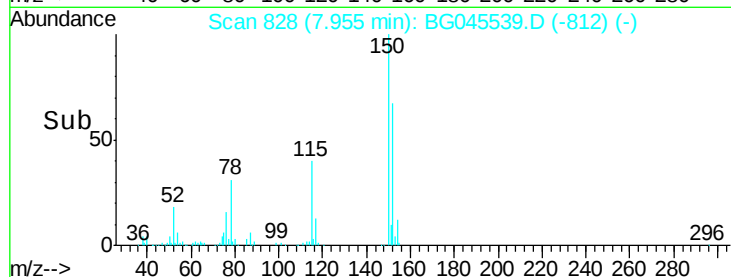
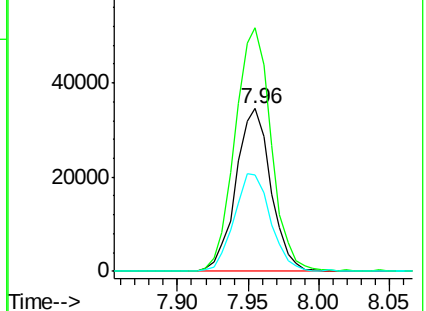
115 59.3 44.2 66.4



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: 146.635 ng

RT: 5.55 min Scan# 418

Delta R.T. -0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

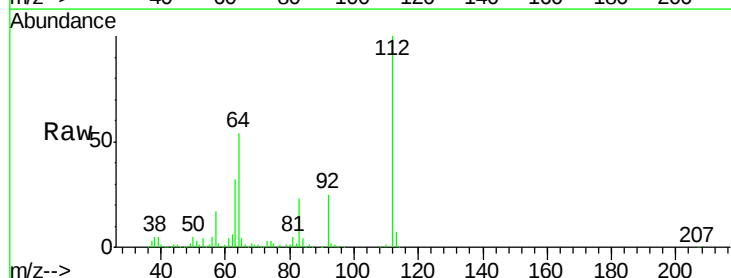
Tgt Ion:112 Resp: 447973

Ion Ratio Lower Upper

112 100

64 54.3 48.6 72.8

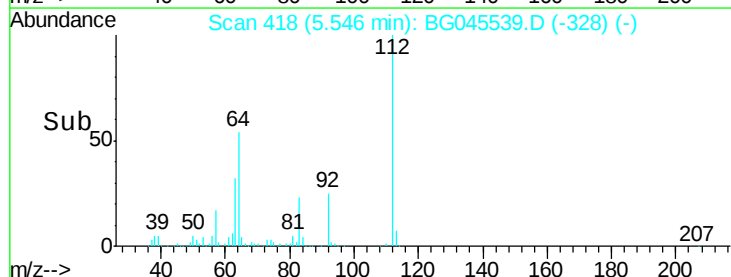
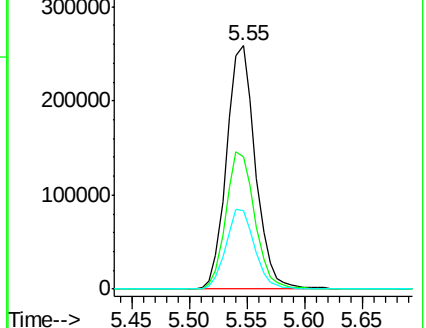
63 32.2 26.5 39.7

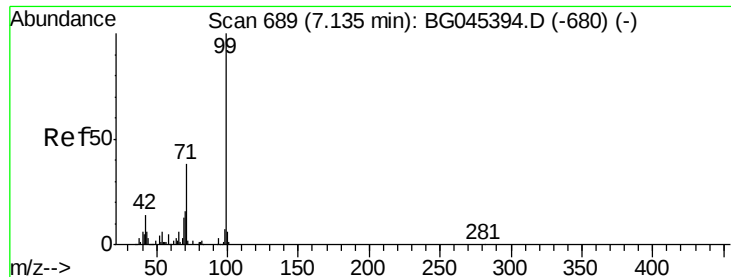


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 134.537 ng

RT: 7.16 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

Instrument :

BNA_G

ClientSampleId :

OR-03-052820

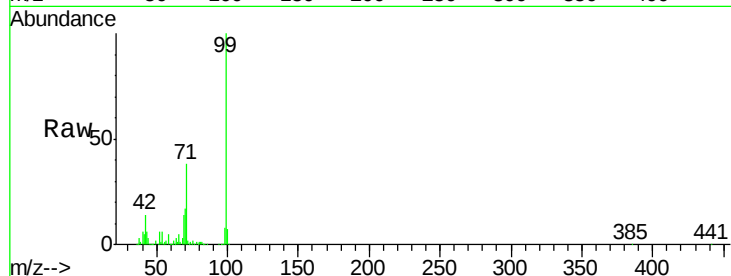
Tot Ion: 99 Resp: 584992

Ion Ratio Lower Upper

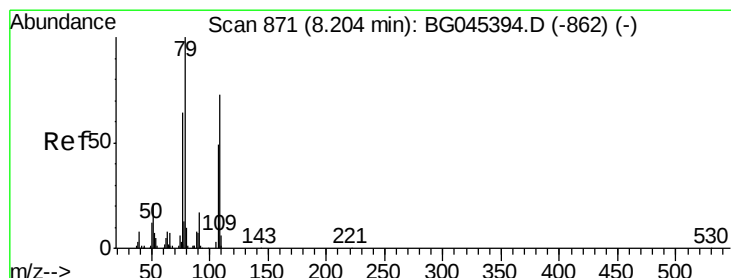
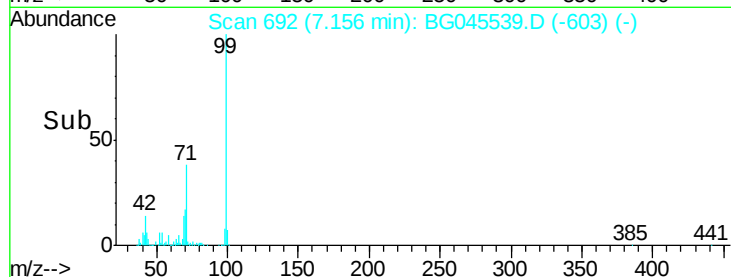
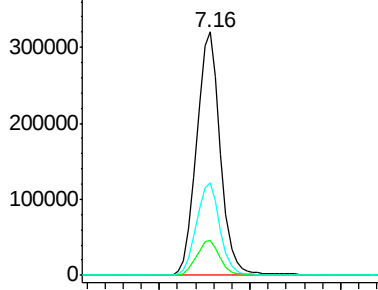
99 100

42 14.4 11.3 16.9

71 37.9 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



#15

Benzyl Alcohol

Concen: 2.460 ng

RT: 8.28 min Scan# 883

Delta R.T. 0.07 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

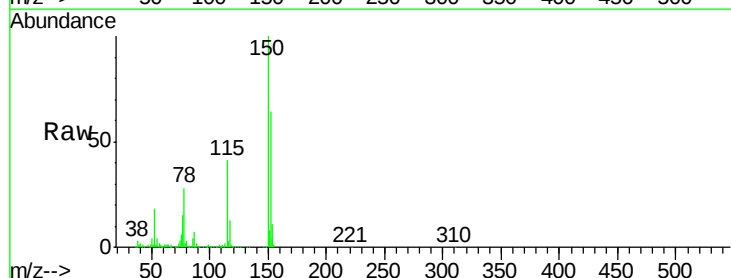
Tgt Ion: 79 Resp: 8838

Ion Ratio Lower Upper

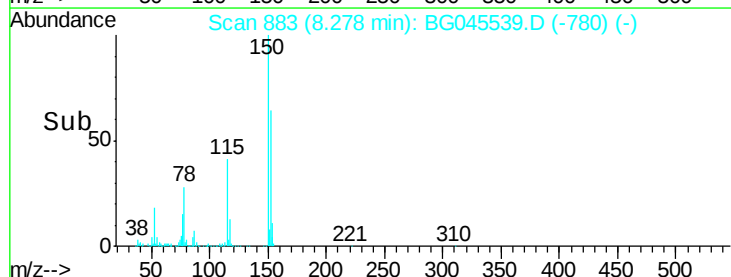
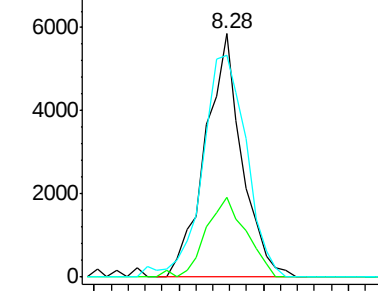
79 100

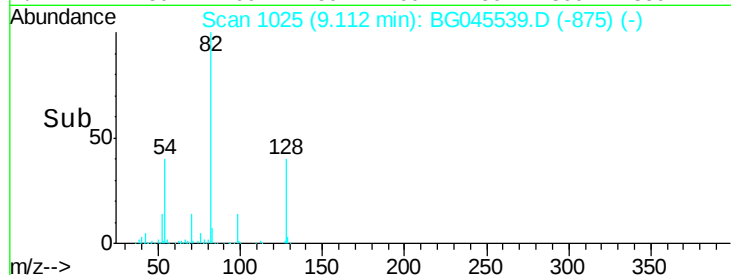
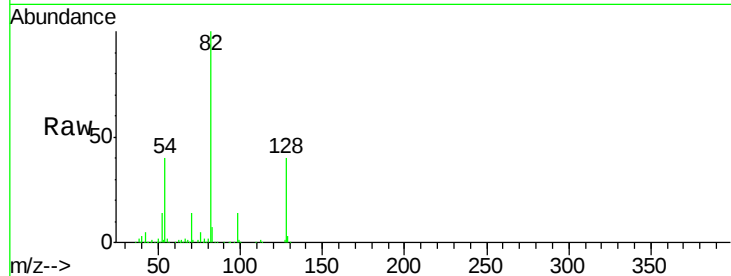
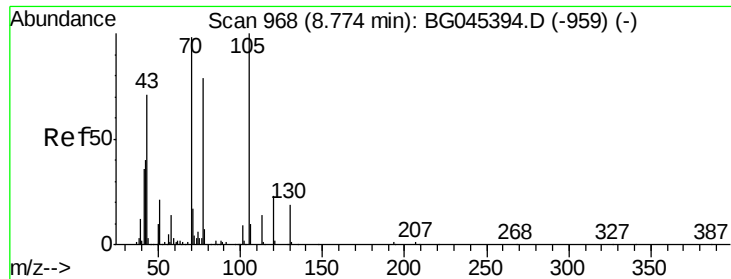
108 32.5 58.2 87.4#

77 91.0 51.0 76.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

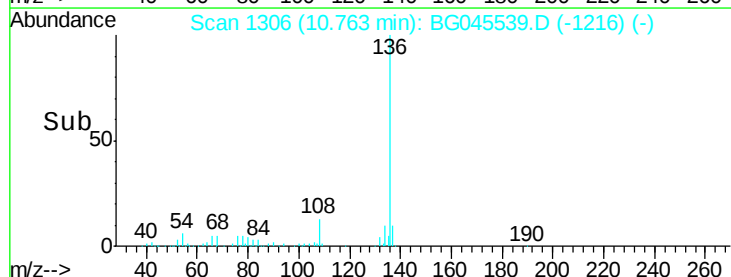
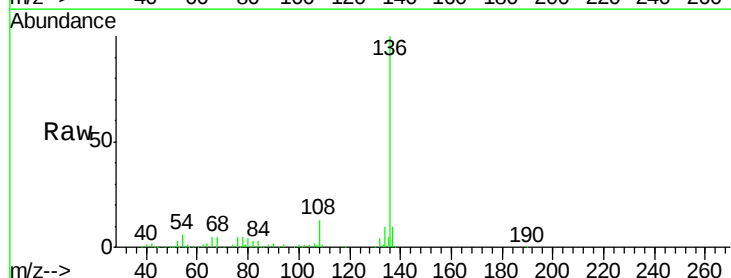
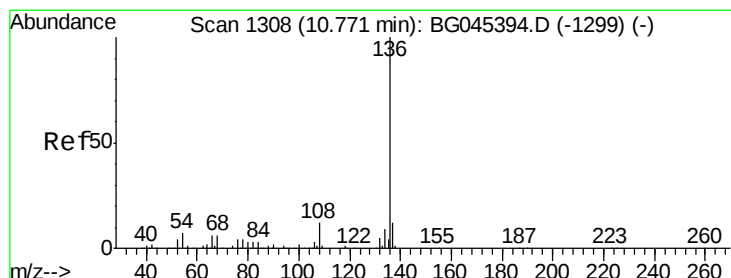
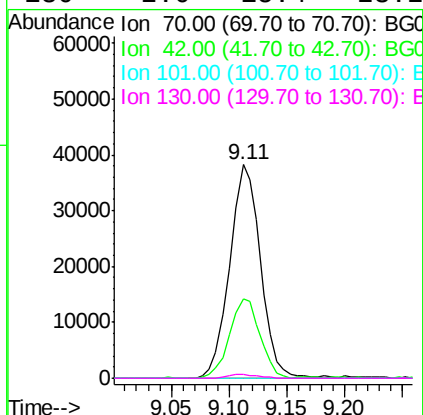




#19
n-Nitroso-di-n-propylamine
Concen: 23.521 ng
RT: 9.11 min Scan# 1025
Delta R.T. 0.35 min
Lab File: BG045539.D
Acq: 30 May 2020 4:02

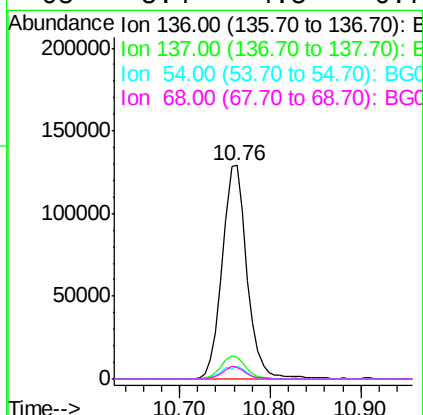
Instrument :
BNA_G
ClientSampleId :
OR-03-052820

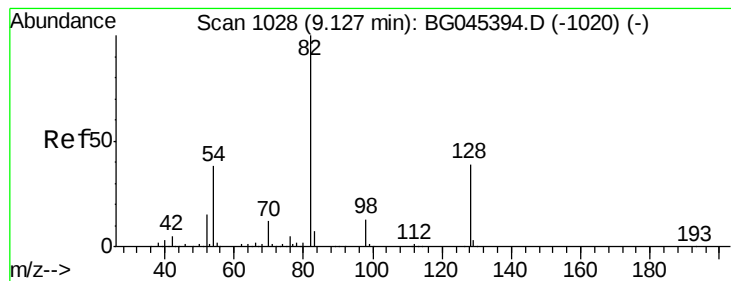
Tot Ion	Ratio	Lower	Upper
70	100		
42	37.1	33.2	49.8
101	0.0	7.8	11.6#
130	2.0	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG045539.D
Acq: 30 May 2020 4:02

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.4	14.2
54	6.0	5.8	8.6
68	5.4	4.5	6.7





#23

Nitrobenzene-d5

Concen: 116.580 ng

RT: 9.11 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

Instrument :

BNA_G

ClientSampleId :

OR-03-052820

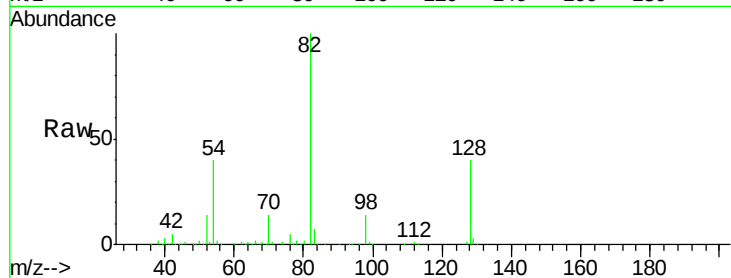
Tot Ion: 82 Resp: 522910

Ion Ratio Lower Upper

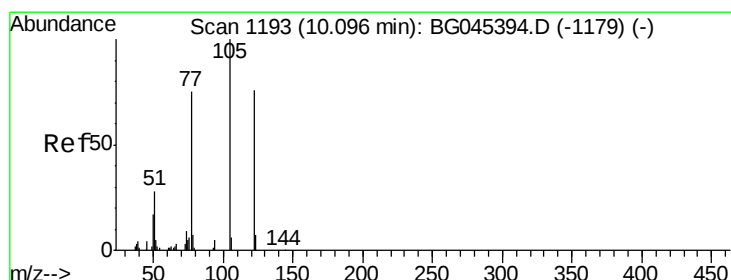
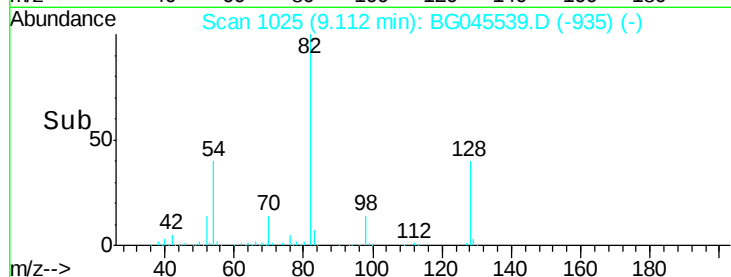
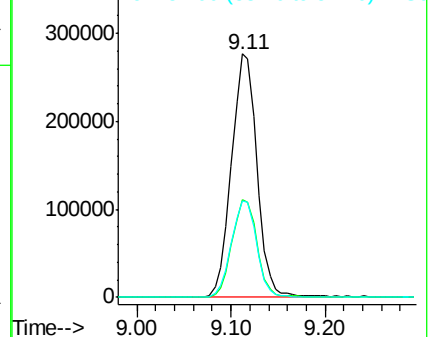
82 100

128 39.9 30.9 46.3

54 39.9 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: 10.048 ng

RT: 10.23 min Scan# 1215

Delta R.T. 0.10 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

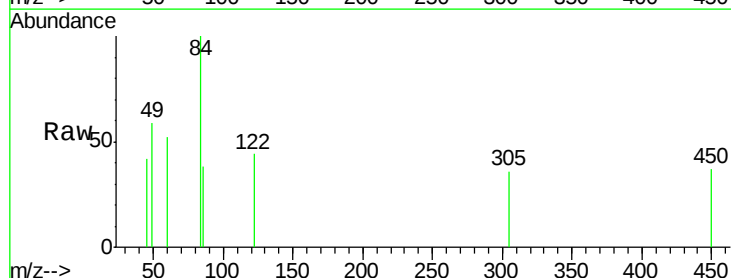
Tgt Ion: 122 Resp: 66

Ion Ratio Lower Upper

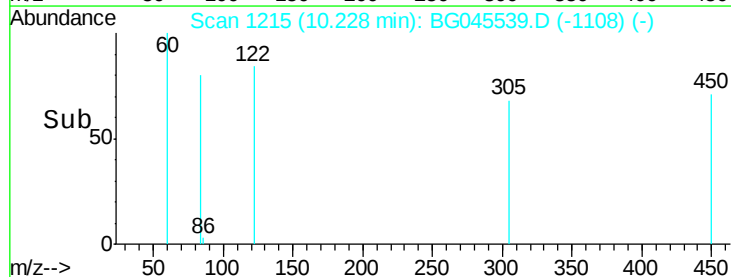
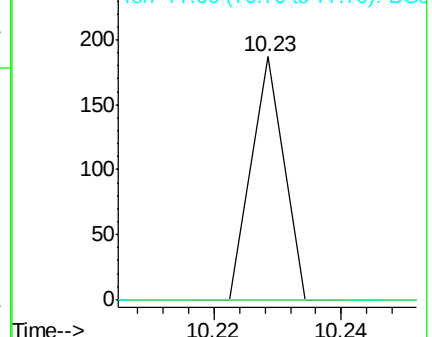
122 100

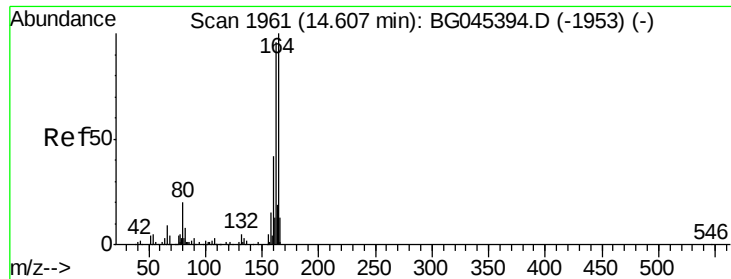
105 0.0 107.9 147.9#

77 0.0 78.9 118.9#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

Instrument :

BNA_G

ClientSampleId :

OR-03-052820

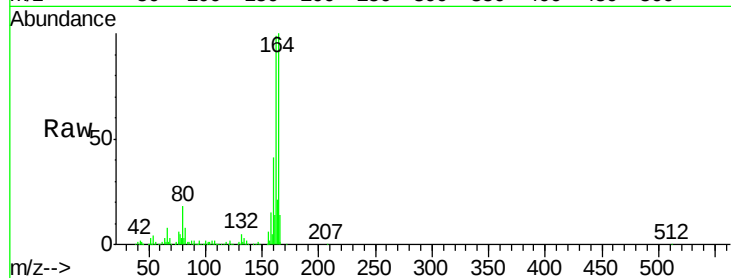
Tot Ion:164 Resp: 179613

Ion Ratio Lower Upper

164 100

162 98.9 76.9 115.3

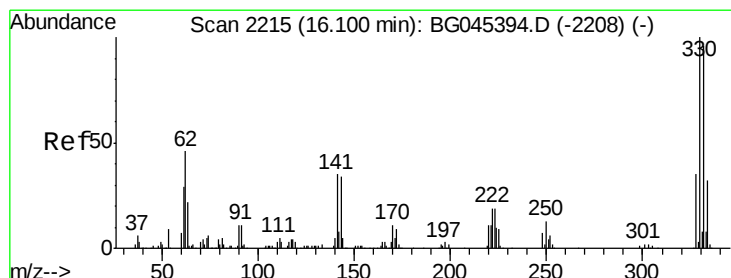
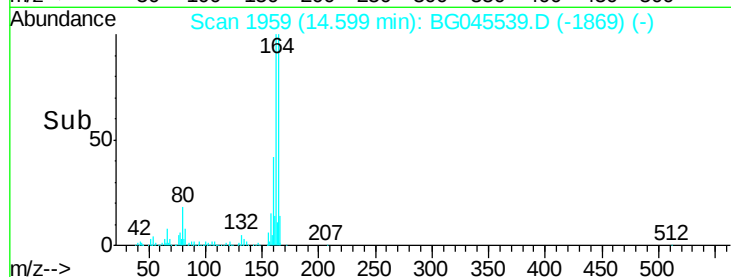
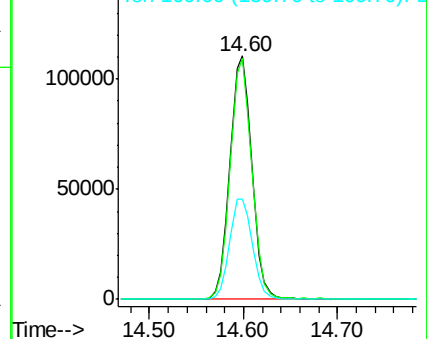
160 41.3 33.8 50.8



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: 176.354 ng

RT: 16.10 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

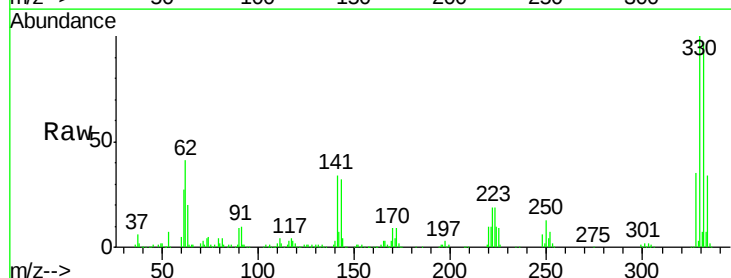
Tgt Ion:330 Resp: 405094

Ion Ratio Lower Upper

330 100

332 97.2 78.2 117.4

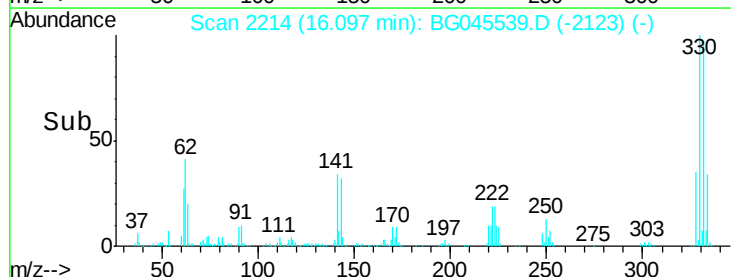
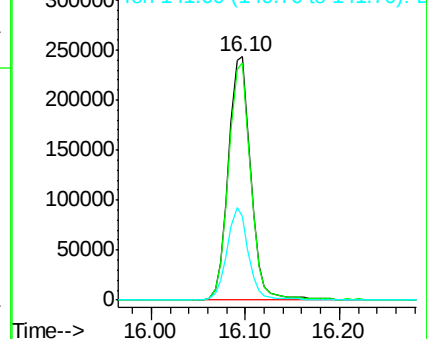
141 36.3 28.2 42.4

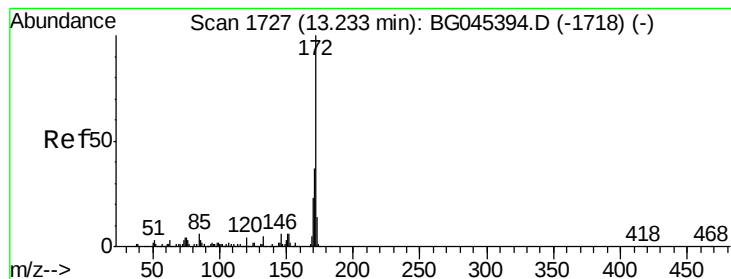


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 115.932 ng

RT: 13.22 min Scan# 1724

Delta R.T. -0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

Instrument :

BNA_G

ClientSampleId :

OR-03-052820

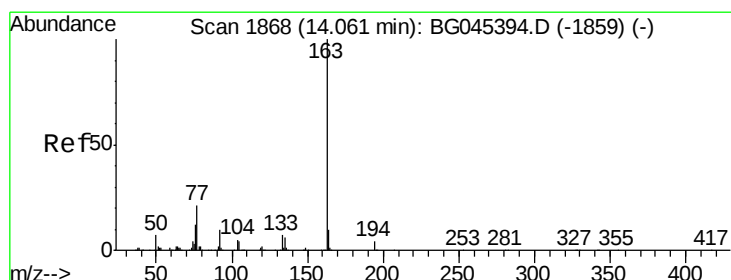
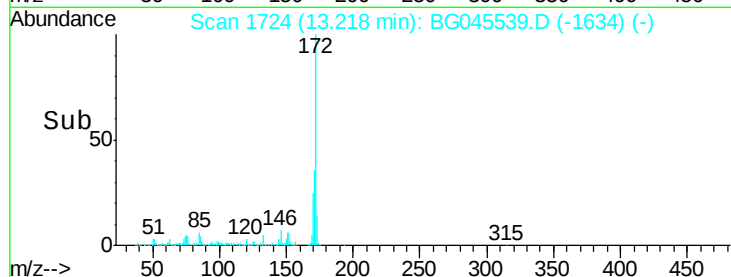
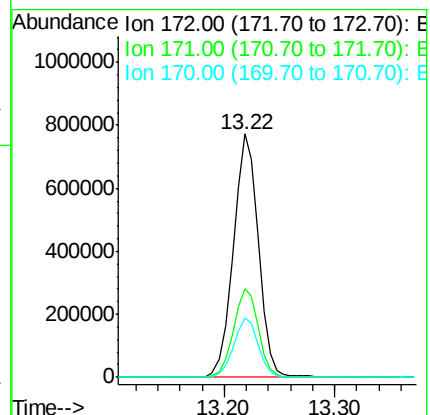
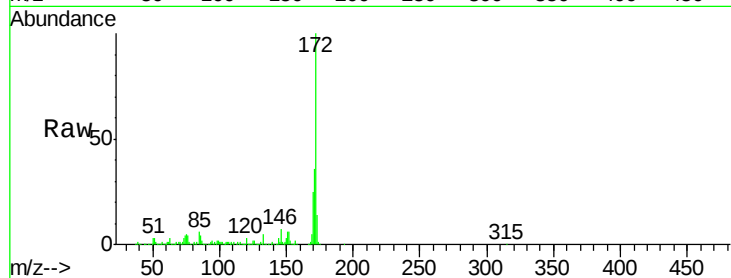
Tot Ion:172 Resp: 1227620

Ion Ratio Lower Upper

172 100

171 36.3 29.5 44.3

170 24.6 18.5 27.7



#50

Dimethylphthalate

Concen: 11.925 ng

RT: 14.05 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

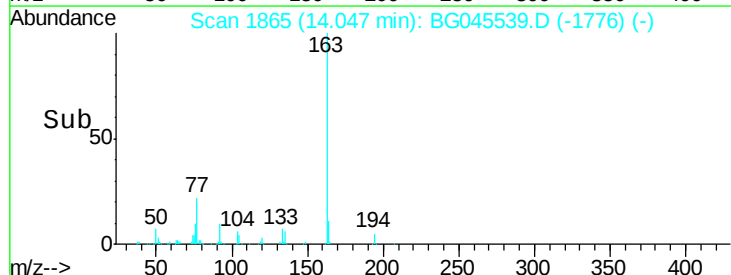
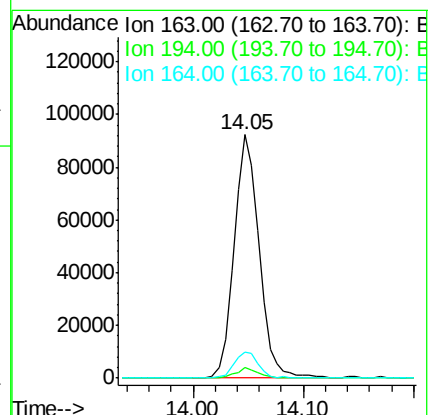
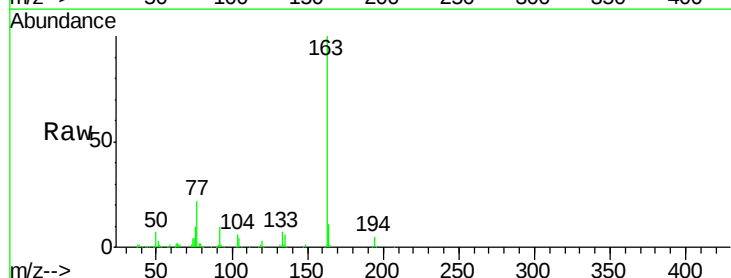
Tgt Ion:163 Resp: 146927

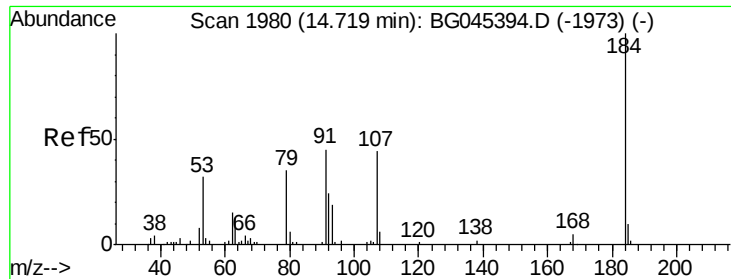
Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

164 10.6 8.3 12.5

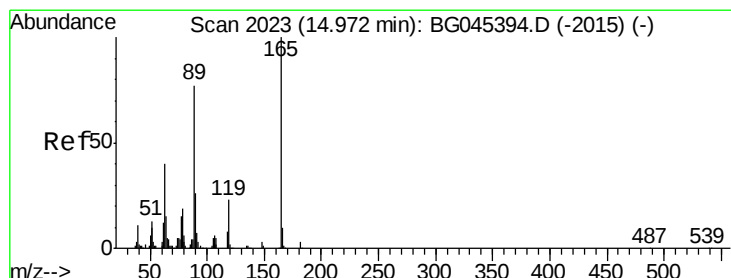
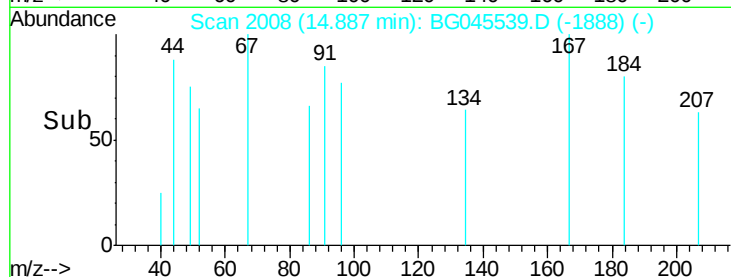
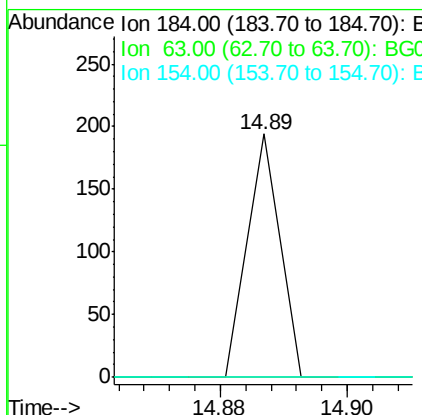
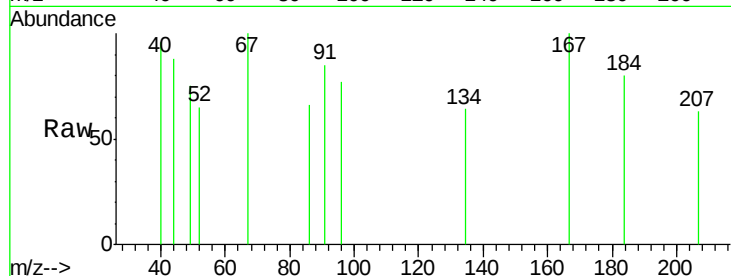




#54
2,4-Dinitrophenol
Concen: 5.494 ng
RT: 14.89 min Scan# 2008
Delta R.T. 0.17 min
Lab File: BG045539.D
Acq: 30 May 2020 4:02

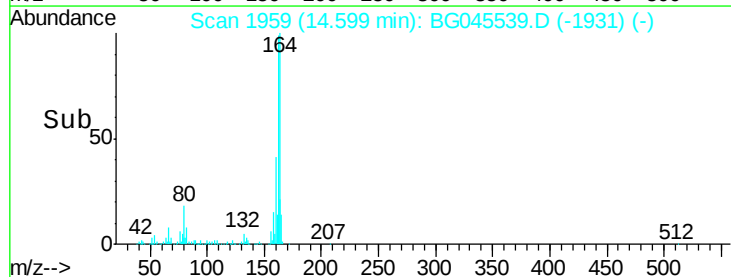
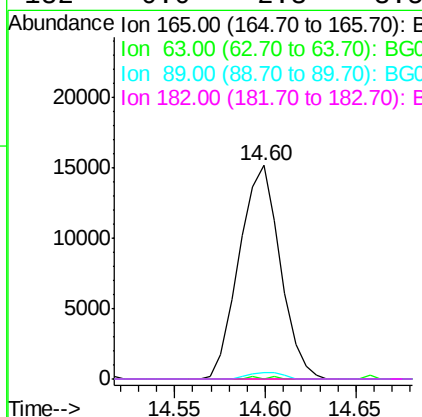
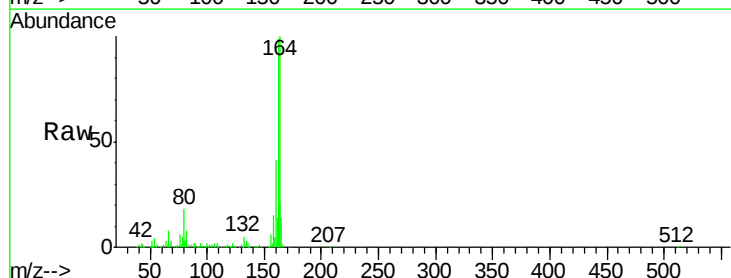
Instrument :
BNA_G
ClientSampleId :
OR-03-052820

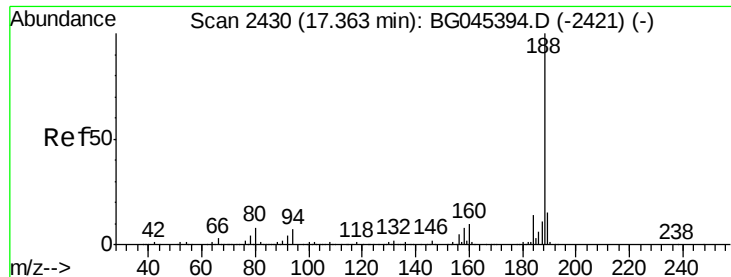
Tot Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 0.0 47.8 71.6#
154 0.0 58.3 87.5#



#57
2,4-Dinitrotoluene
Concen: 5.897 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.37 min
Lab File: BG045539.D
Acq: 30 May 2020 4:02

Tgt Ion:165 Resp: 23747
Ion Ratio Lower Upper
165 100
63 0.0 32.5 48.7#
89 3.1 61.8 92.6#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

Instrument :

BNA_G

ClientSampleId :

OR-03-052820

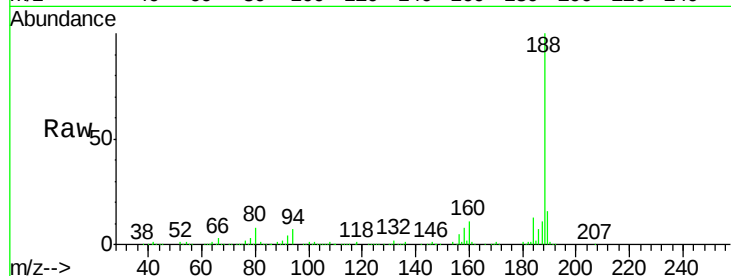
Tot Ion:188 Resp: 423112

Ion Ratio Lower Upper

188 100

94 6.9 5.5 8.3

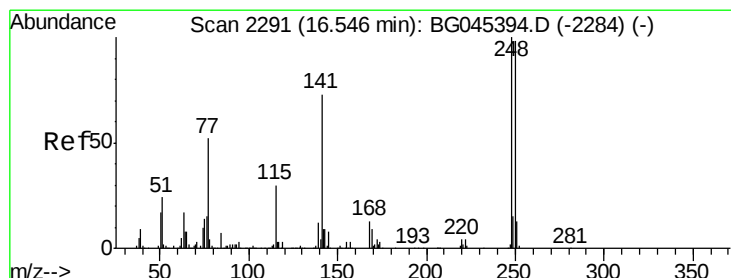
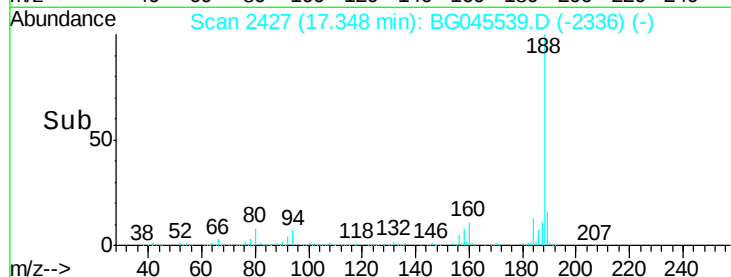
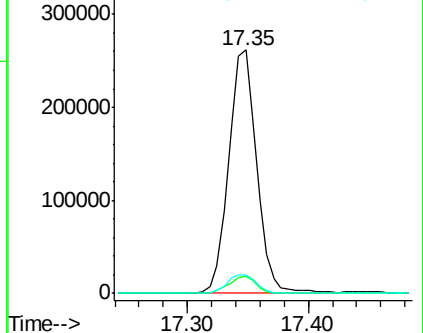
80 7.8 6.6 10.0



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: 5.942 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.44 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

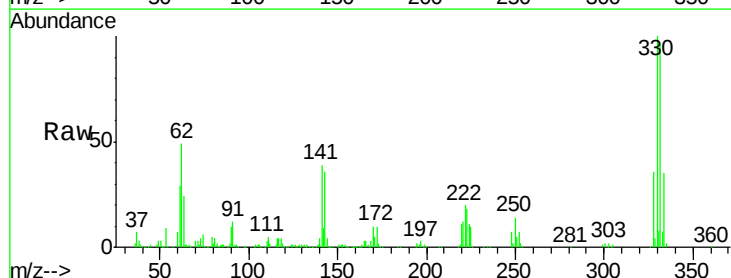
Tgt Ion:248 Resp: 27226

Ion Ratio Lower Upper

248 100

250 205.7 78.6 117.8#

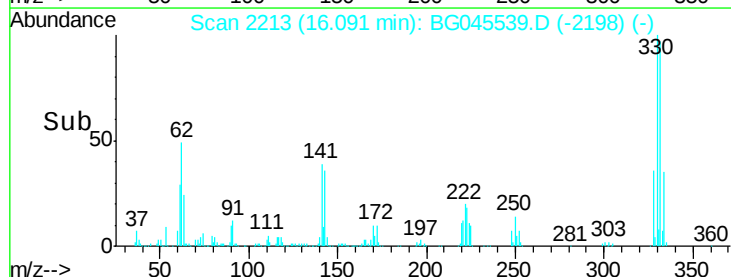
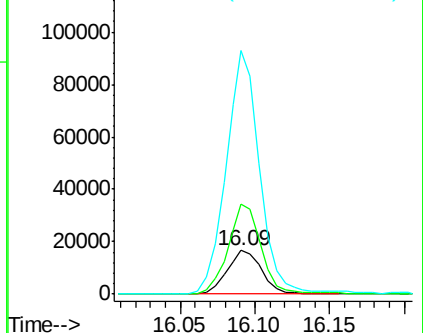
141 554.8 58.2 87.2#

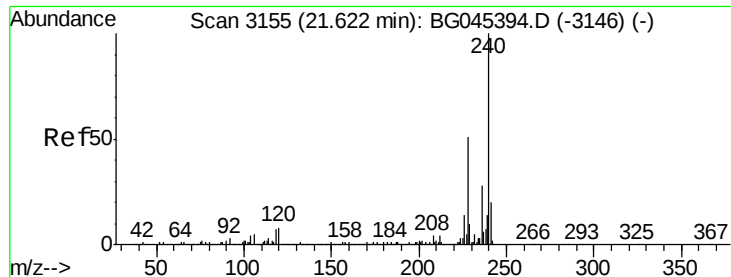


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.61 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

Instrument :

BNA_G

ClientSampleId :

OR-03-052820

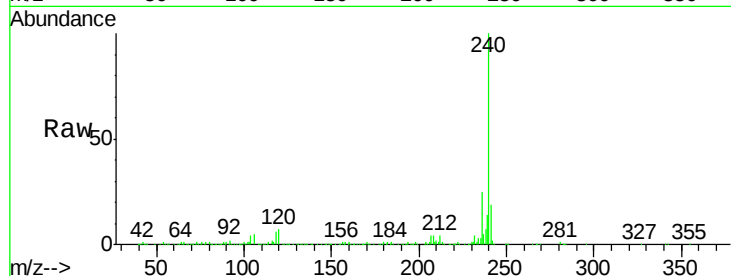
Tot Ion:240 Resp: 406970

Ion Ratio Lower Upper

240 100

120 6.7 6.1 9.1

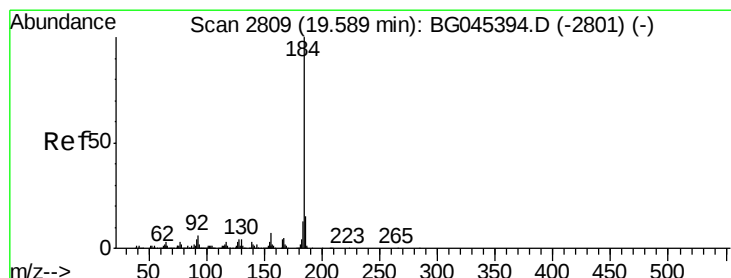
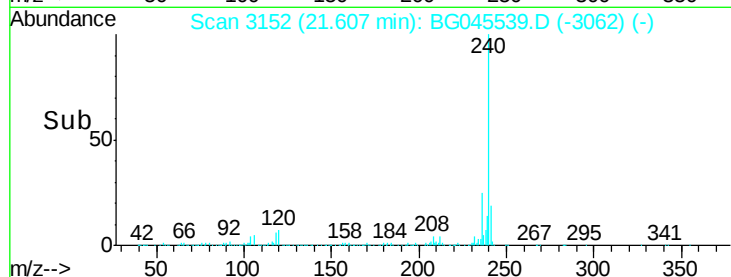
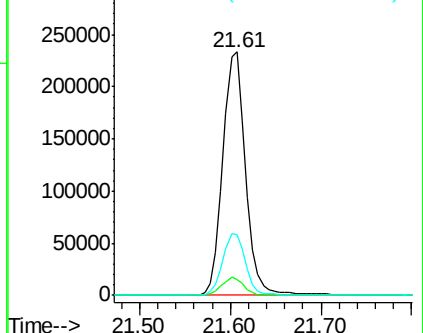
236 24.9 22.3 33.5



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: 3.466 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

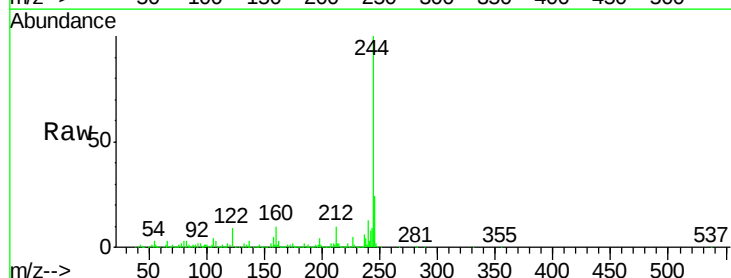
Tgt Ion:184 Resp: 39619

Ion Ratio Lower Upper

184 100

185 15.1 11.7 17.5

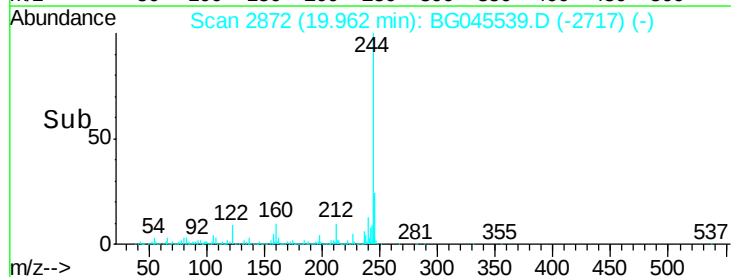
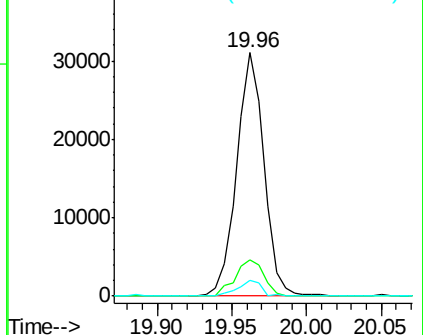
183 6.5 10.2 15.4#

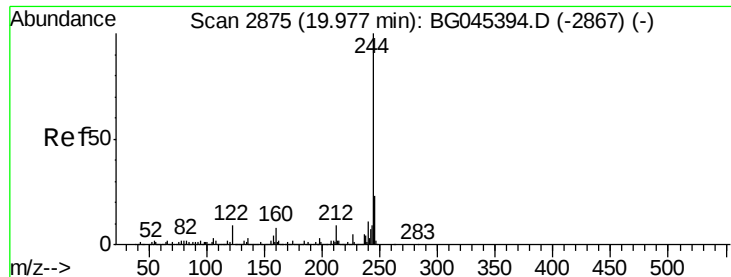


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 116.629 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

Instrument :

BNA_G

ClientSampleId :

OR-03-052820

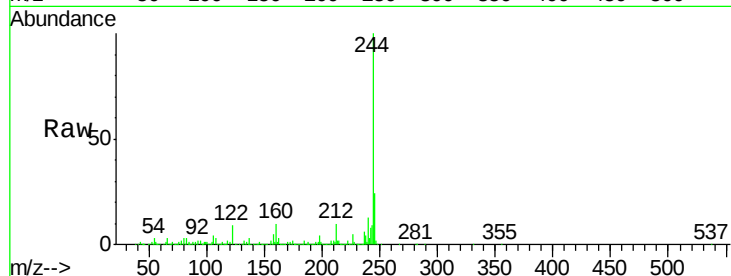
Tot Ion:244 Resp: 2035087

Ion Ratio Lower Upper

244 100

212 10.0 7.4 11.0

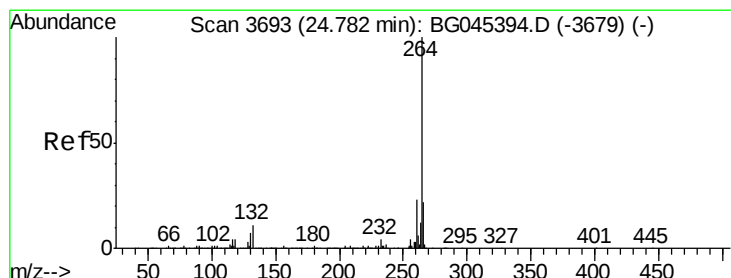
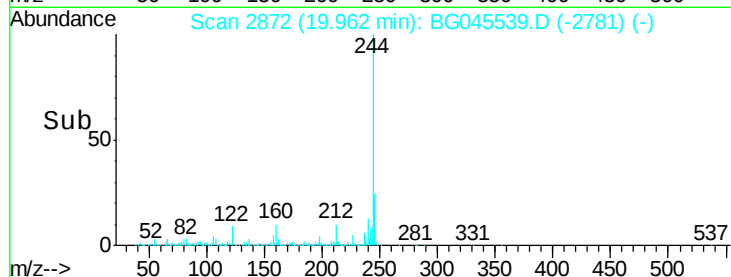
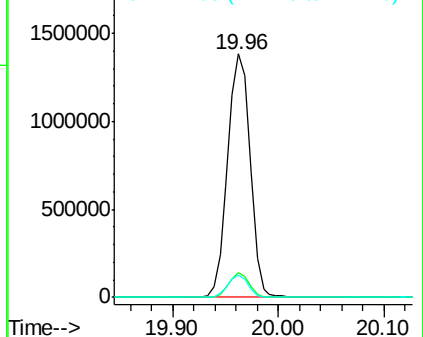
122 8.9 6.8 10.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3687

Delta R.T. -0.00 min

Lab File: BG045539.D

Acq: 30 May 2020 4:02

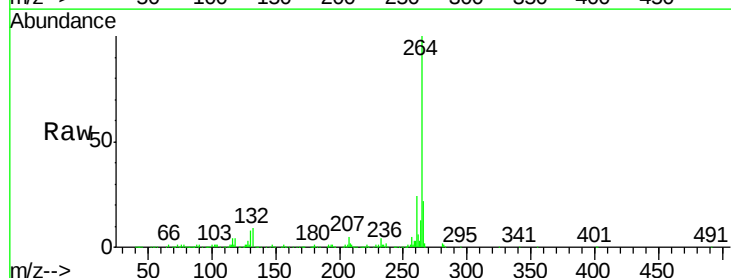
Tgt Ion:264 Resp: 431531

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 22.2 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

