

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
 Data File : BG044025.D
 Acq On : 13 Jan 2020 23:37
 Operator : JU
 Sample : L1065-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:17:08 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	7.95	152	126564	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	506990	20.00	ng	-0.02
39) Acenaphthene-d10	14.57	164	325809	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	709924	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	629611	20.00	ng	-0.02
87) Perylene-d12	24.69	264	716356	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	429799	62.35	ng	-0.01
7) Phenol-d6	7.11	99	362895	37.66	ng	-0.01
23) Nitrobenzene-d5	9.10	82	778896	82.19	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	496100	145.50	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1613259	89.71	ng	-0.02
79) Terphenyl-d14	19.94	244	2274744	87.89	ng	-0.02

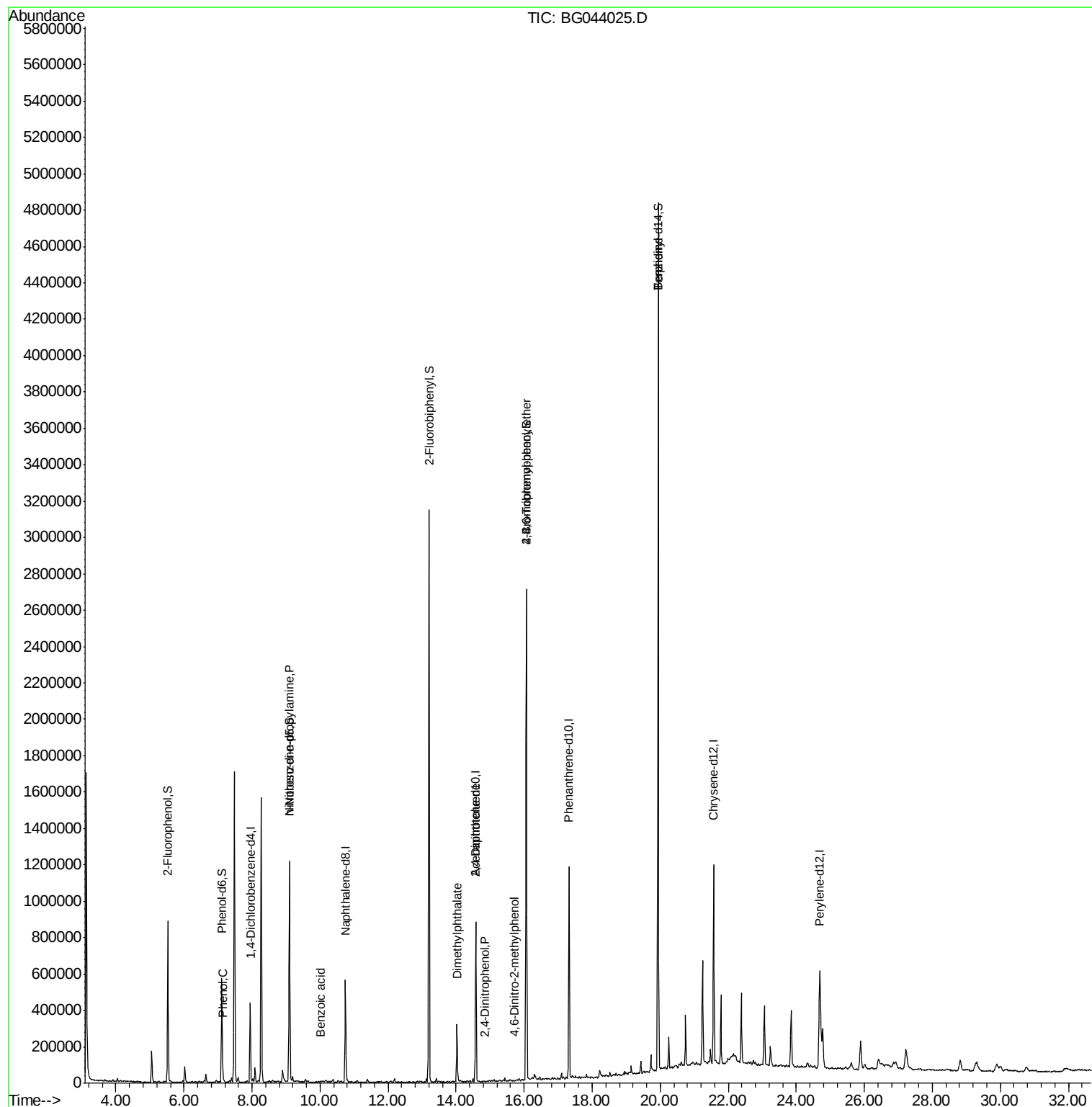
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.14	94	27191	2.739	ng	98
19) n-Nitroso-di-n-propylamine	9.10	70	102628	14.303	ng	# 78
32) Benzoic acid	10.00	122	115	6.280	ng	# 1
50) Dimethylphthalate	14.03	163	220728	9.541	ng	98
54) 2,4-Dinitrophenol	14.84	184	56	5.503	ng	# 20
57) 2,4-Dinitrotoluene	14.58	165	44307	6.227	ng	# 26
65) 4,6-Dinitro-2-methylphenol	15.71	198	62	4.405	ng	# 26
67) 4-Bromophenyl-phenylether	16.07	248	35539	4.451	ng	# 1
77) Benzidine	19.94	184	43648	2.758	ng	# 96

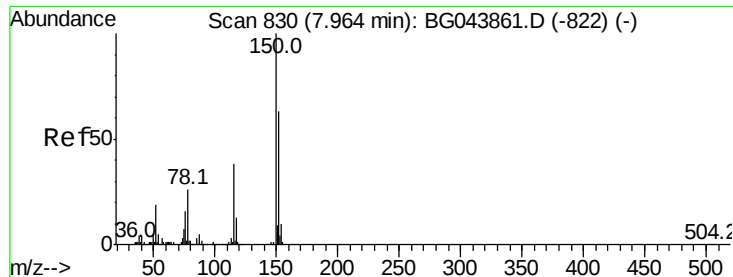
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
Data File : BG044025.D
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Sample : L1065-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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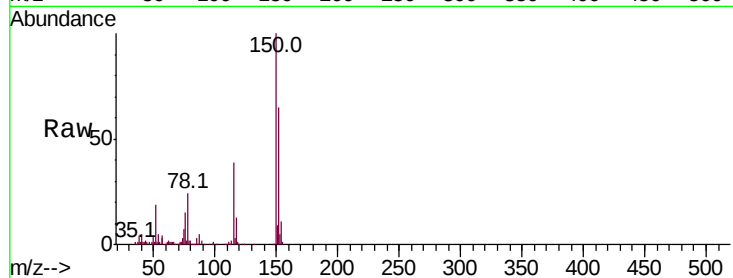


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	127.0	190.4
115	59.6	47.8	71.8

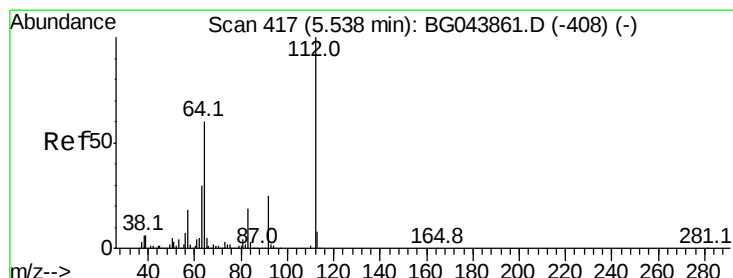
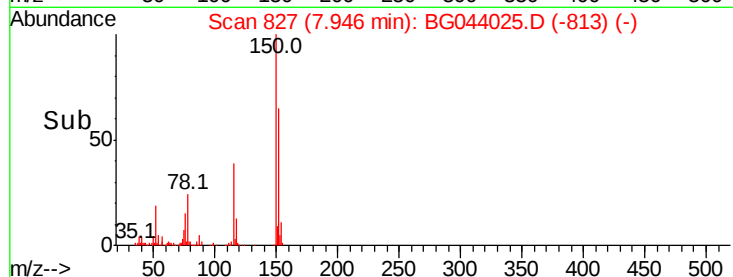
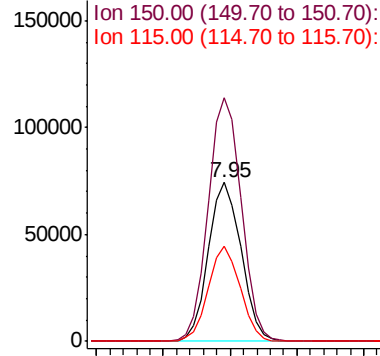


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

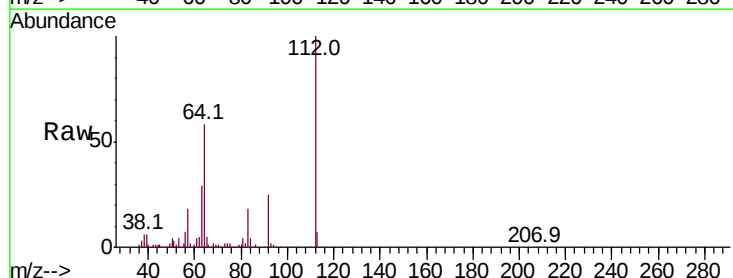
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 62.353 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.8	71.6
63	28.9	24.3	36.5

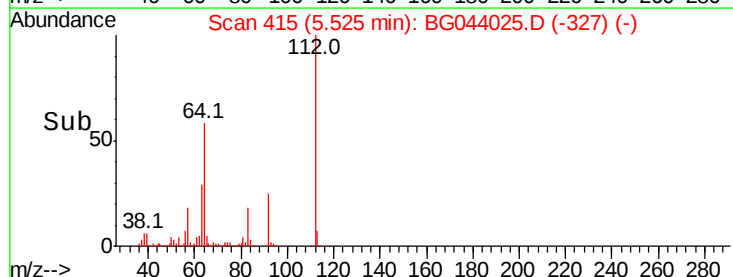
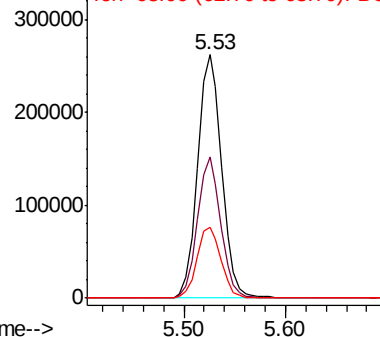


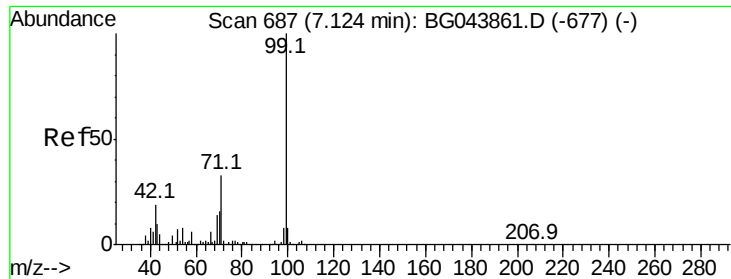
Abundance

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: 37.664 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044025.D

Acq: 13 Jan 2020 23:37

Instrument :

BNA_G

ClientSampleId :

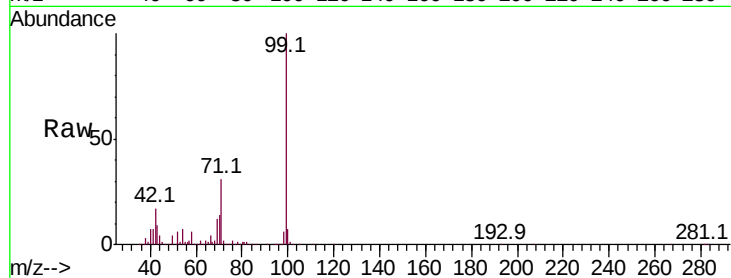
Tot Ion: 99 Resp: 362895

Ion Ratio Lower Upper

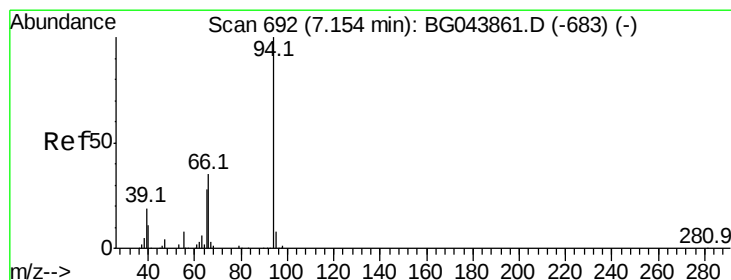
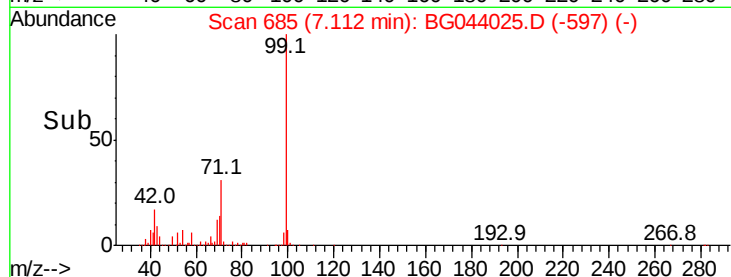
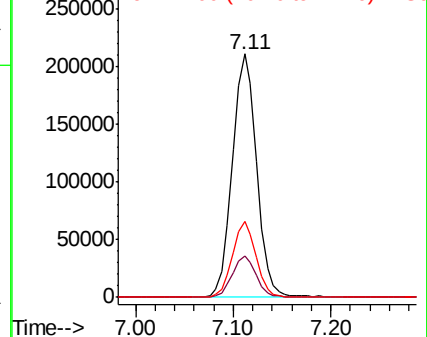
99 100

42 17.0 14.9 22.3

71 31.1 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: 2.739 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG044025.D

Acq: 13 Jan 2020 23:37

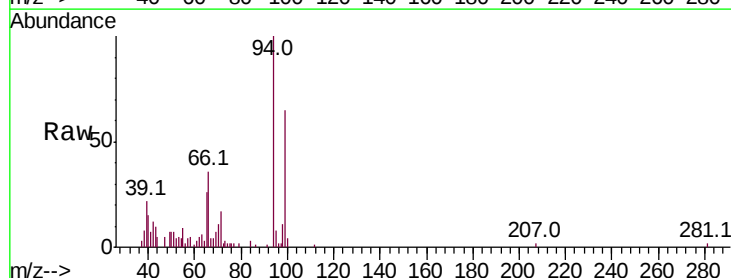
Tgt Ion: 94 Resp: 27191

Ion Ratio Lower Upper

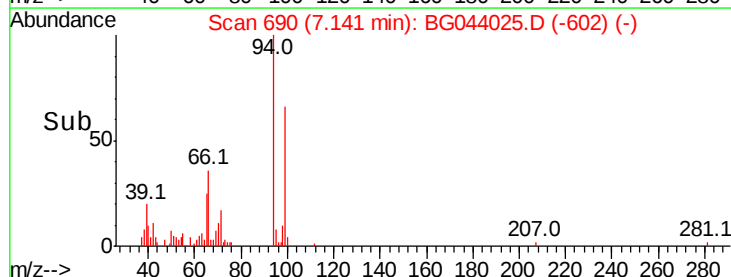
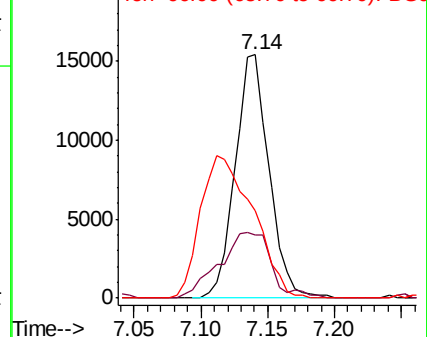
94 100

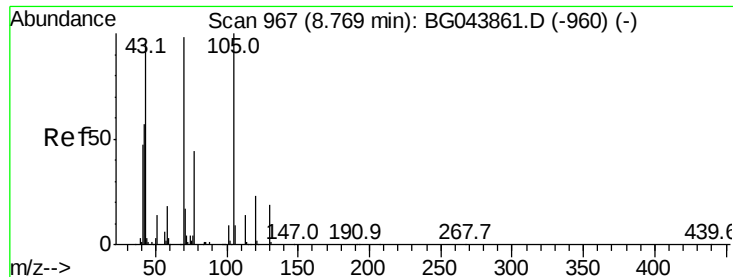
65 25.8 8.1 48.1

66 35.8 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: 14.303 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.33 min

Lab File: BG044025.D

Acq: 13 Jan 2020 23:37

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 102628

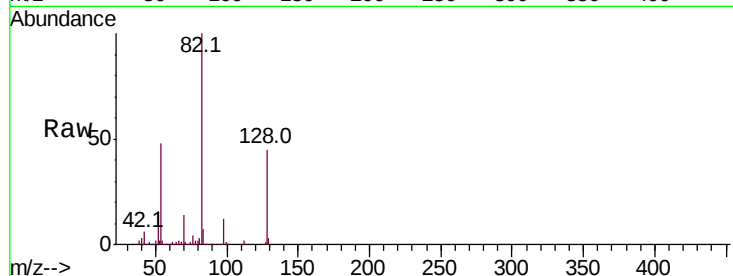
Ion Ratio Lower Upper

70 100

42 46.7 47.0 70.4#

101 0.0 7.2 10.8#

130 1.8 15.6 23.4#

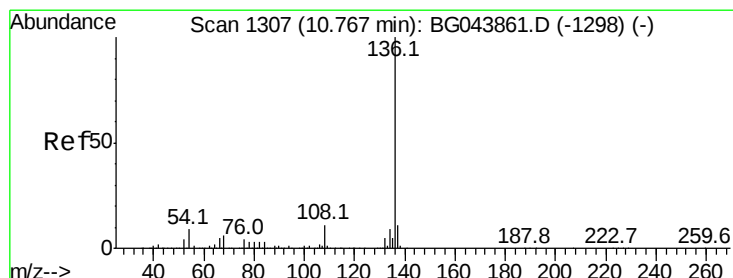
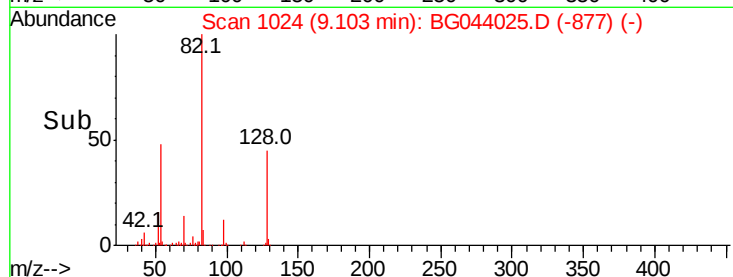
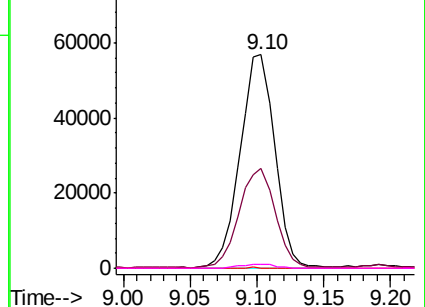


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.75 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BG044025.D

Acq: 13 Jan 2020 23:37

Tgt Ion: 136 Resp: 506990

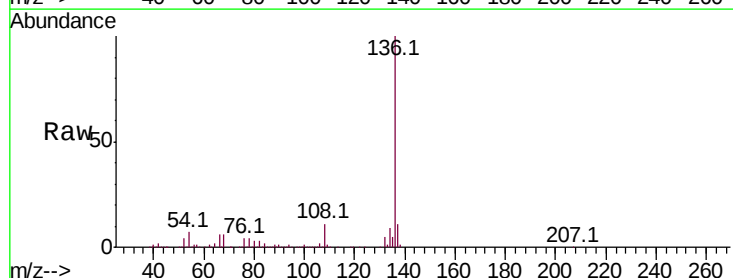
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 7.4 7.0 10.4

68 5.5 4.9 7.3

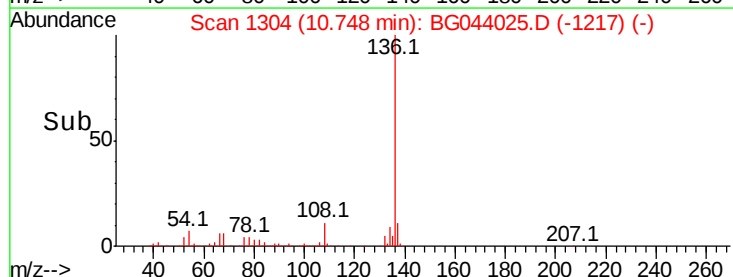
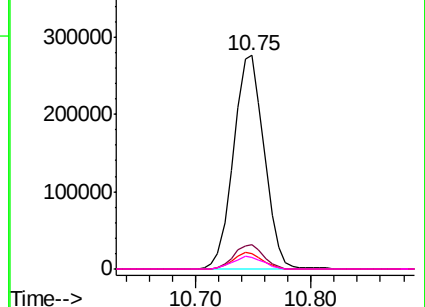


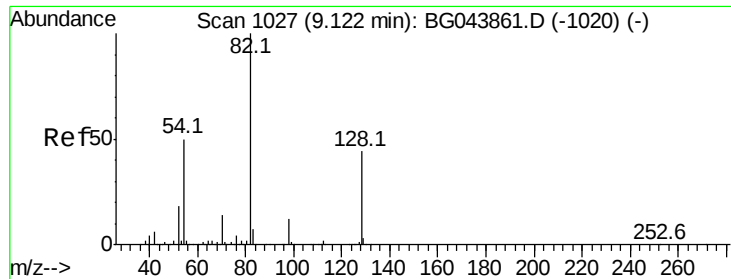
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

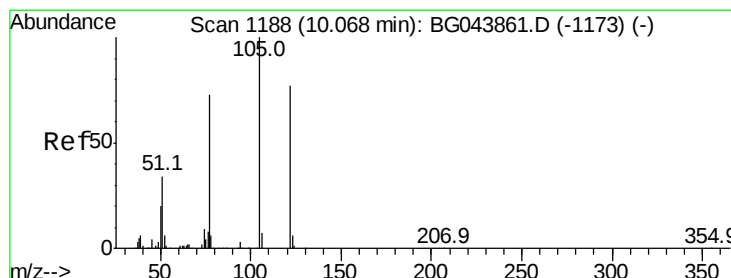
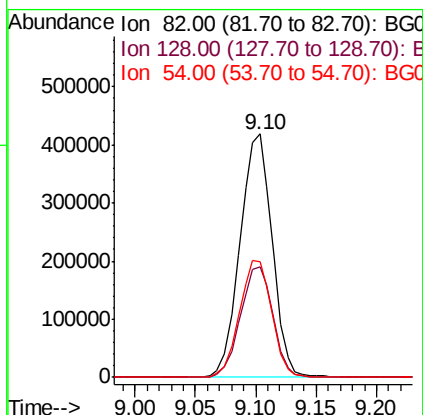
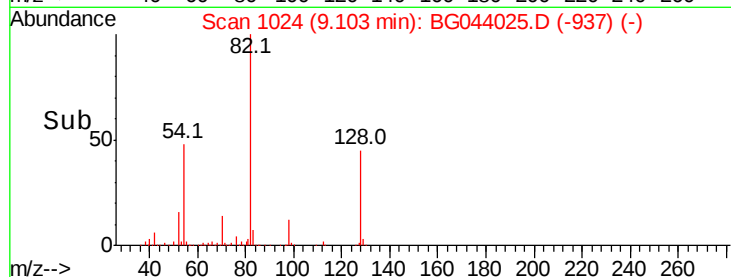
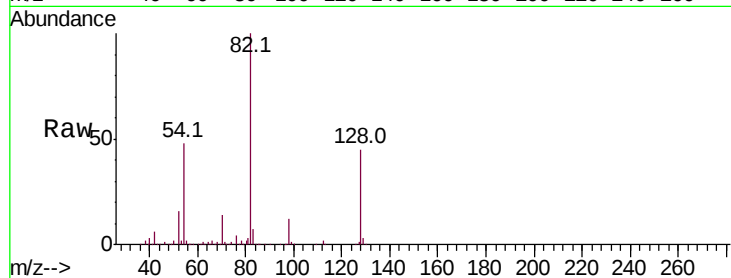




#23
Nitrobenzene-d5
Concen: 82.186 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

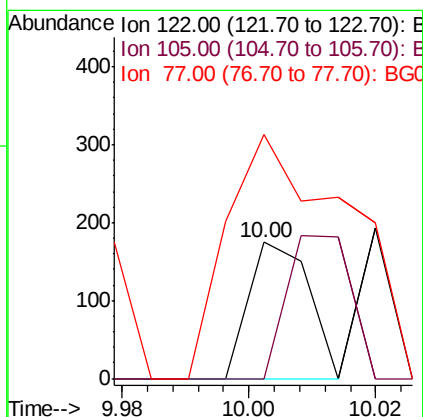
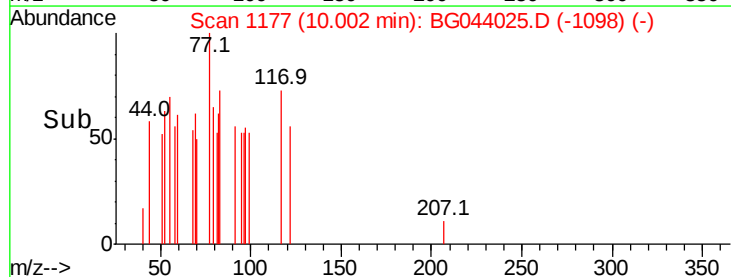
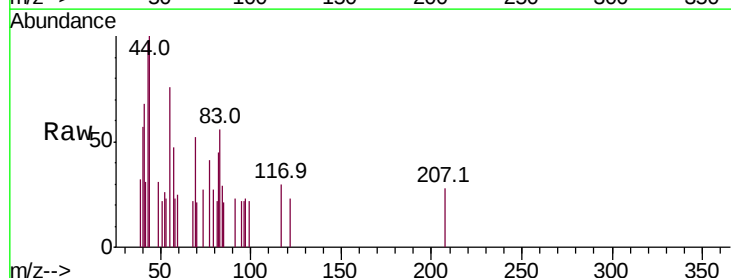
Instrument :
BNA_G
ClientSampleId :

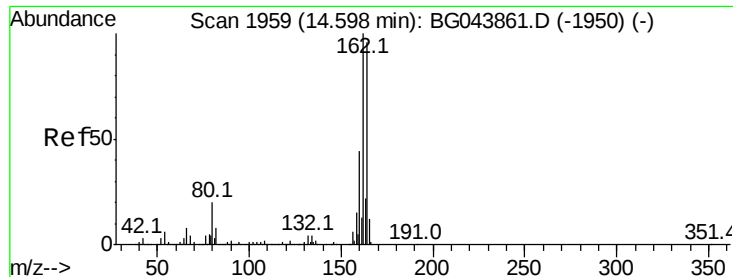
Tot Ion: 82 Resp: 778896
Ion Ratio Lower Upper
82 100
128 45.4 35.1 52.7
54 47.7 40.1 60.1



#32
Benzoic acid
Concen: 6.280 ng
RT: 10.00 min Scan# 1177
Delta R.T. -0.06 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

Tgt Ion: 122 Resp: 115
Ion Ratio Lower Upper
122 100
105 0.0 106.4 146.4#
77 178.9 74.6 114.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044025.D

Acq: 13 Jan 2020 23:37

Instrument :

BNA_G

ClientSampleId :

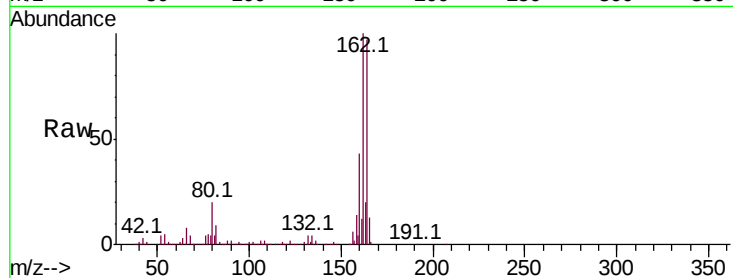
Tot Ion:164 Resp: 325809

Ion Ratio Lower Upper

164 100

162 103.5 83.0 124.4

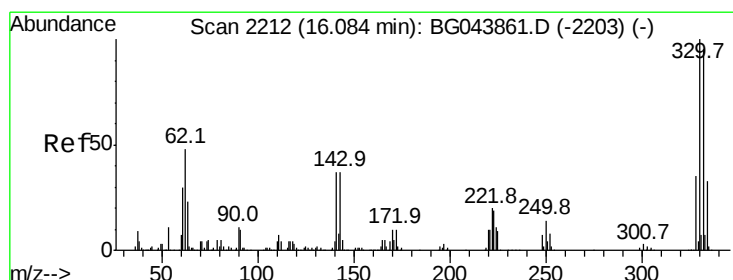
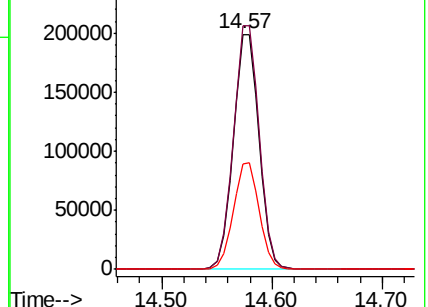
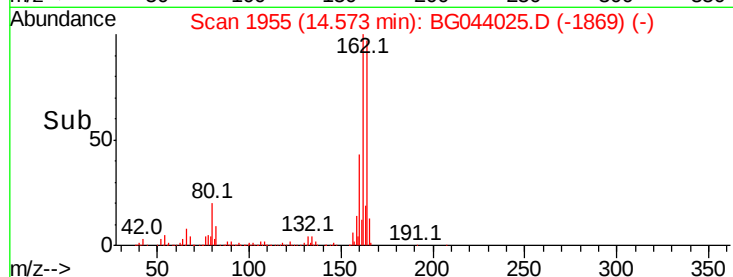
160 44.9 36.1 54.1



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: 145.504 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.02 min

Lab File: BG044025.D

Acq: 13 Jan 2020 23:37

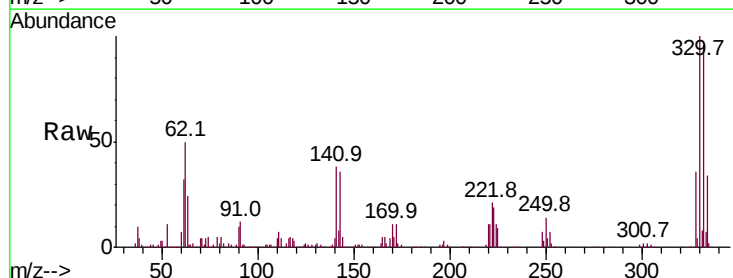
Tgt Ion:330 Resp: 496100

Ion Ratio Lower Upper

330 100

332 96.9 77.2 115.8

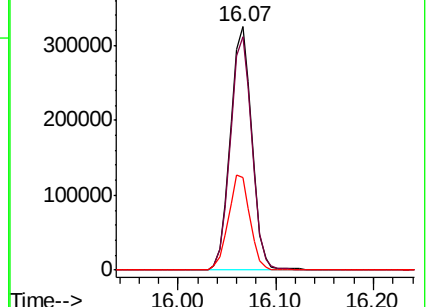
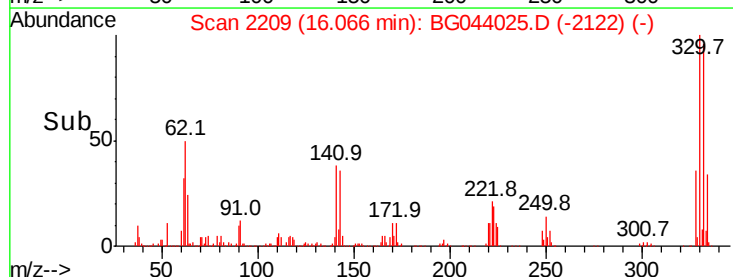
141 39.5 33.1 49.7

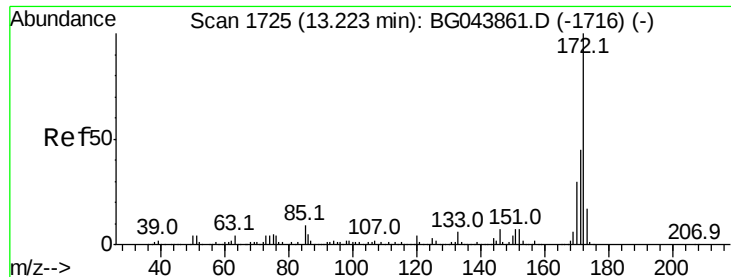


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

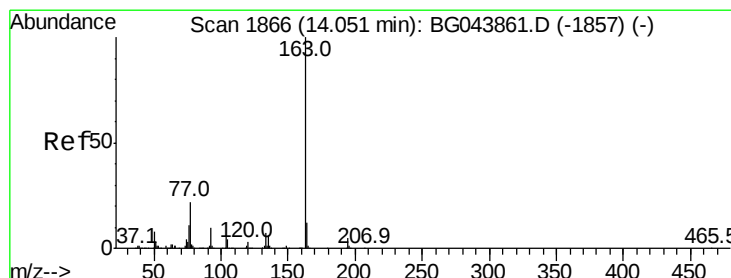
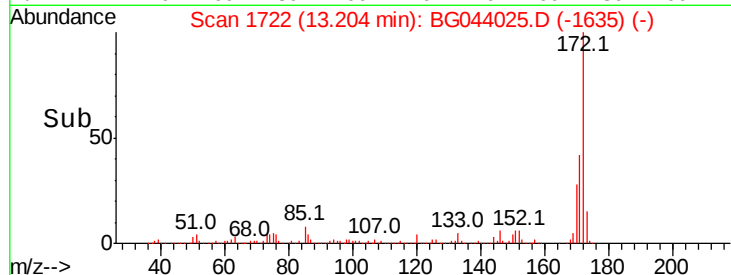
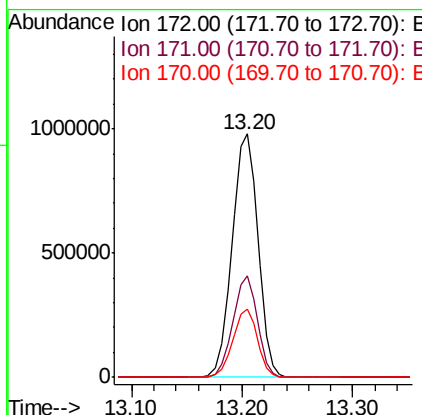
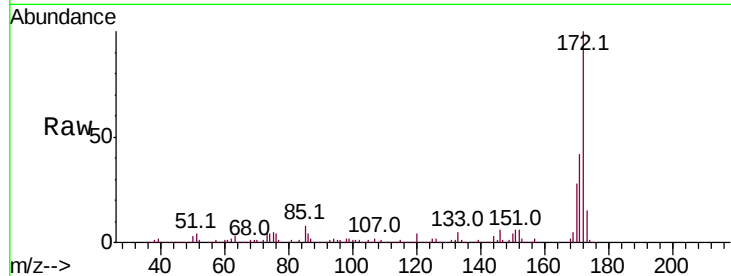




#45
2-Fluorobiphenyl
Concen: 89.711 ng
RT: 13.20 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

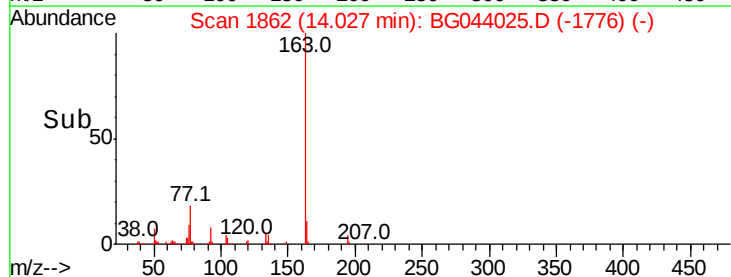
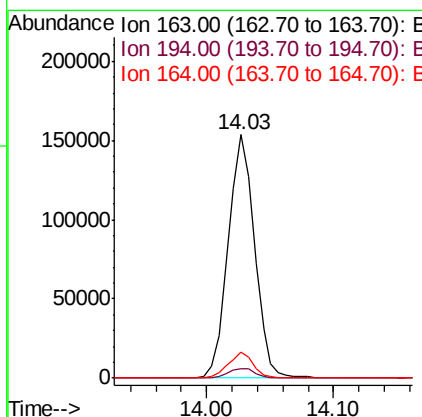
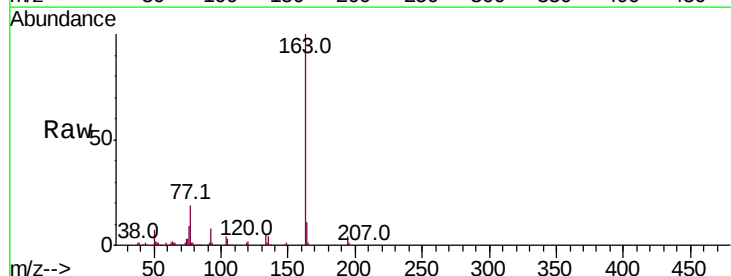
Instrument :
BNA_G
ClientSampleId :

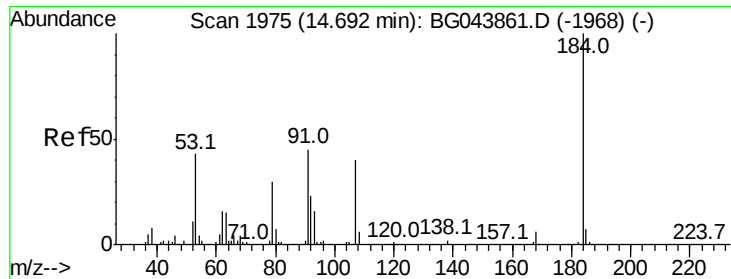
Tot Ion:172 Resp: 1613259
Ion Ratio Lower Upper
172 100
171 41.9 35.8 53.8
170 28.1 24.2 36.4



#50
Dimethylphthalate
Concen: 9.541 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

Tgt Ion:163 Resp: 220728
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 10.9 9.3 13.9

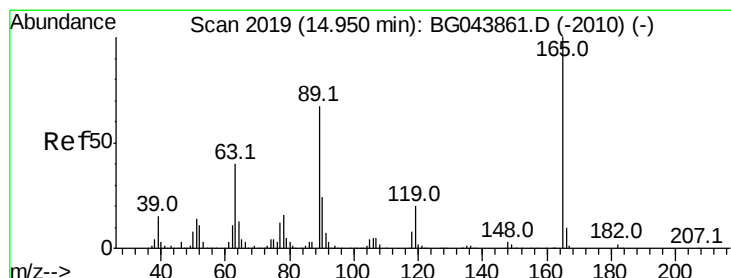
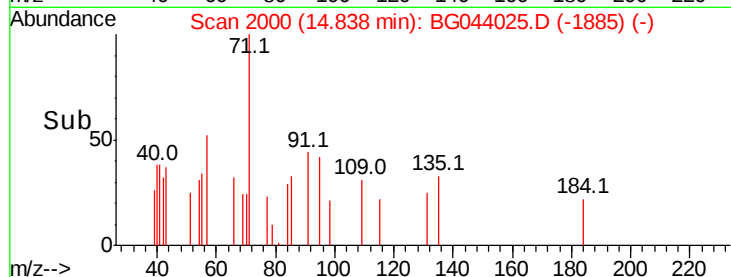
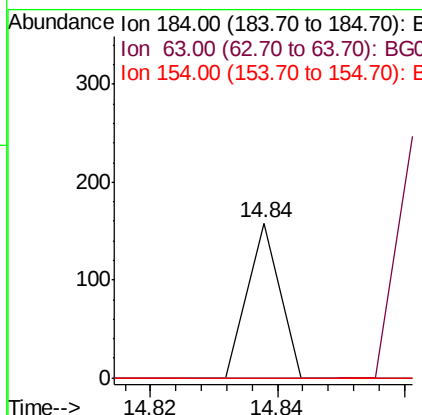
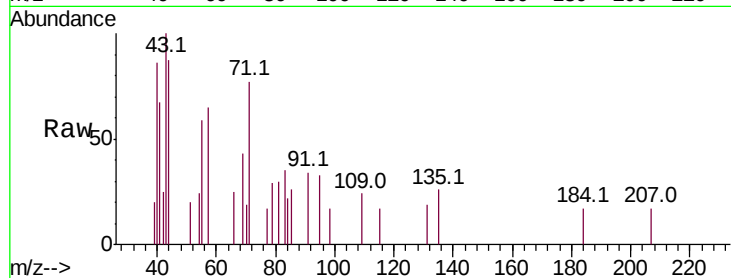




#54
2,4-Dinitrophenol
Concen: 5.503 ng
RT: 14.84 min Scan# 2000
Delta R.T. 0.15 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

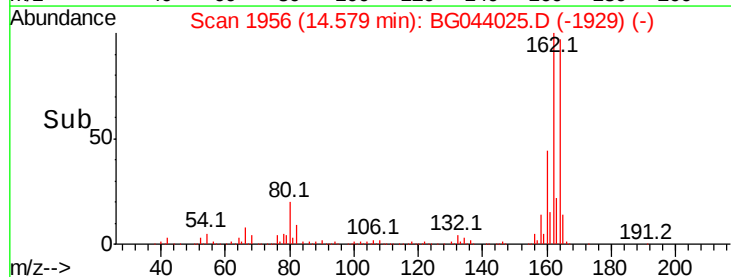
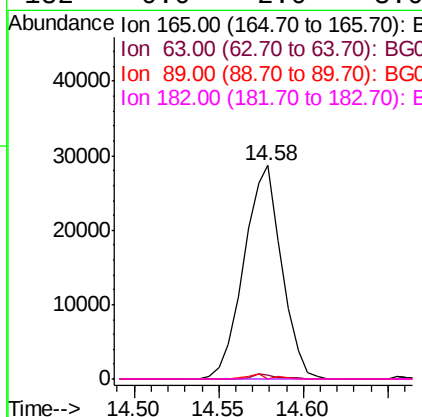
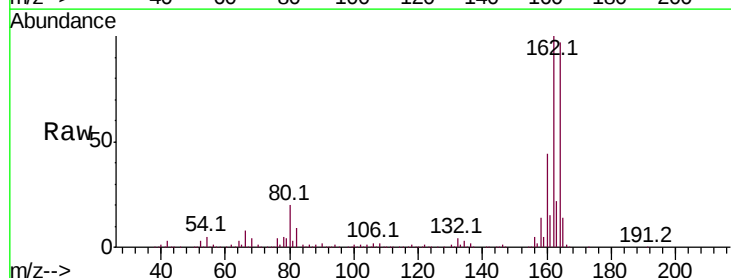
Instrument :
BNA_G
ClientSampleId :

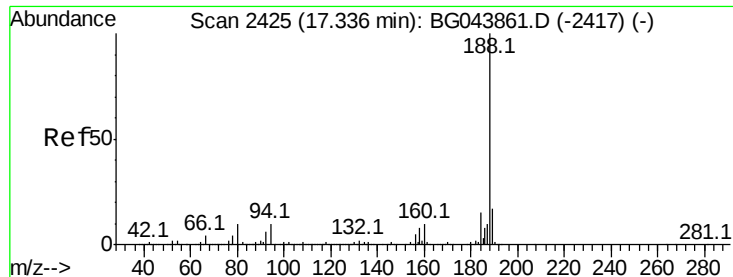
Tot Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 46.6 70.0#
154 0.0 50.2 75.4#



#57
2,4-Dinitrotoluene
Concen: 6.227 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.37 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

Tgt Ion:165 Resp: 44307
Ion Ratio Lower Upper
165 100
63 1.8 31.9 47.9#
89 0.0 53.8 80.6#
182 0.0 2.0 3.0#

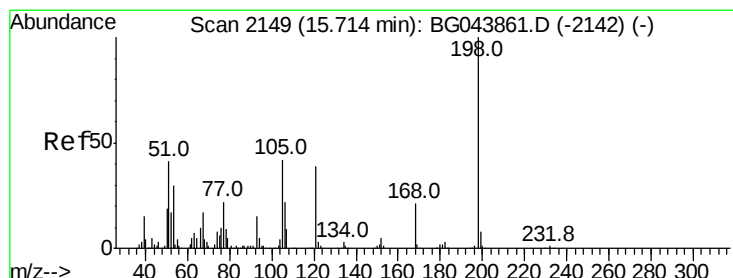
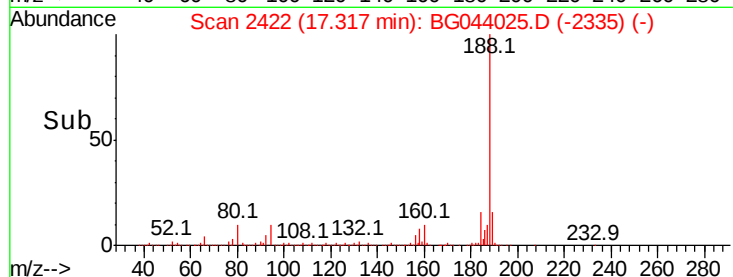
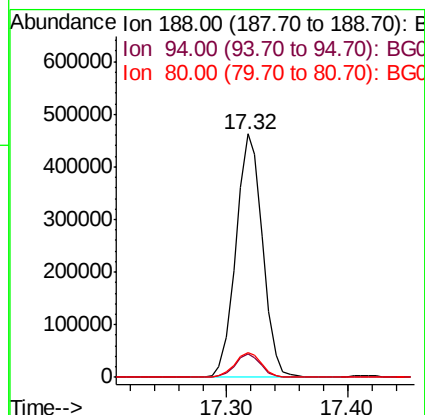
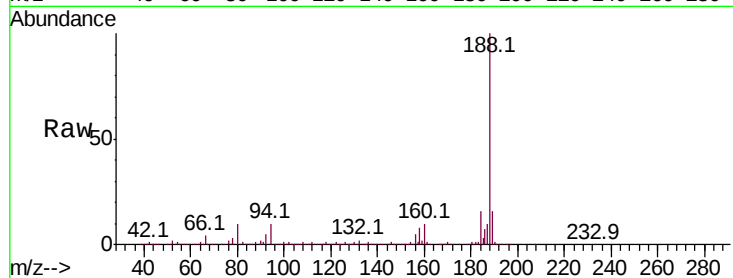




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.02 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

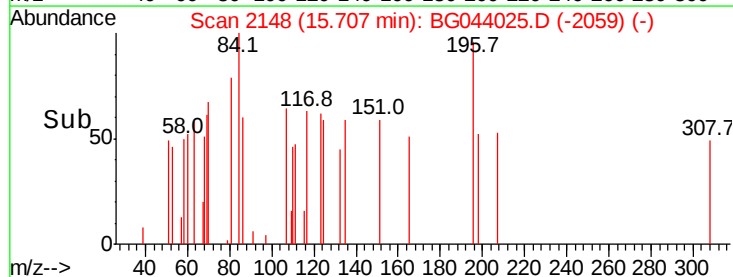
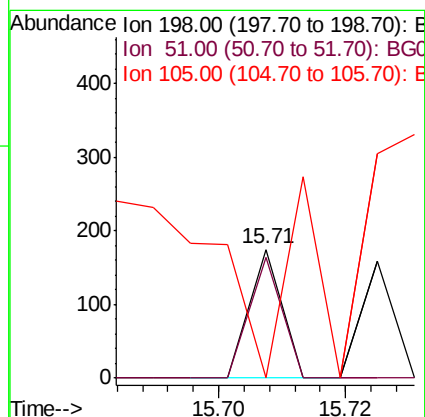
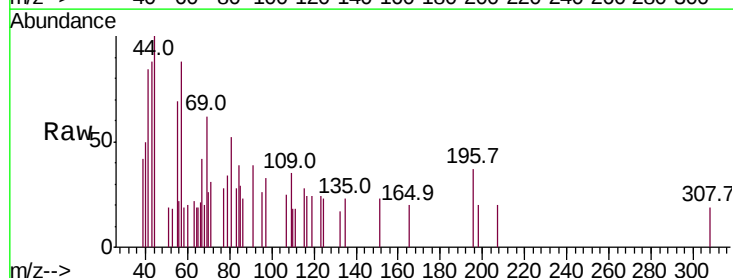
Instrument :
BNA_G
ClientSampleId :

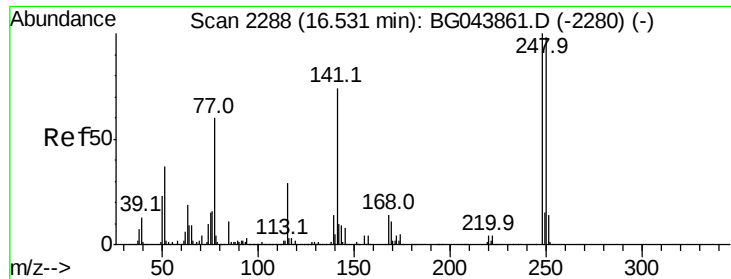
Tot Ion:188 Resp: 709924
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.4 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.405 ng
RT: 15.71 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

Tgt Ion:198 Resp: 62
Ion Ratio Lower Upper
198 100
51 93.7 22.5 62.5#
105 0.0 22.3 62.3#

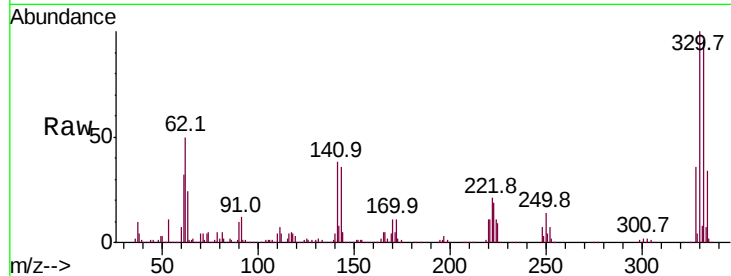




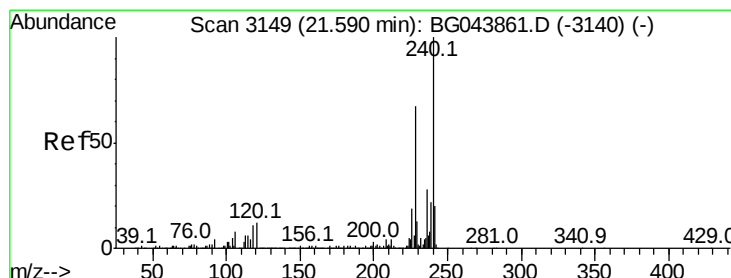
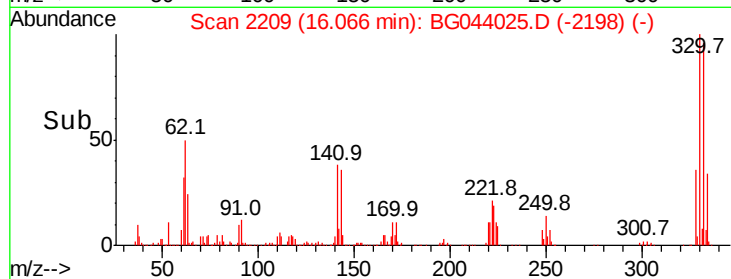
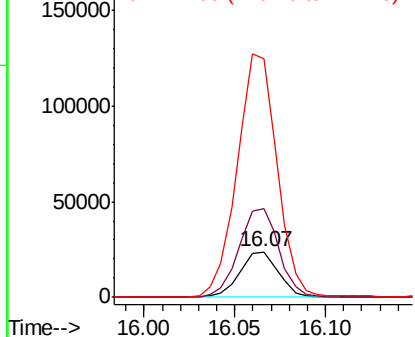
#67
 4-Bromophenyl-phenylether
 Concen: 4.451 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.47 min
 Lab File: BG044025.D
 Acq: 13 Jan 2020 23:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 35539
 Ion Ratio Lower Upper
 248 100
 250 193.9 78.2 117.2#
 141 520.3 59.3 88.9#

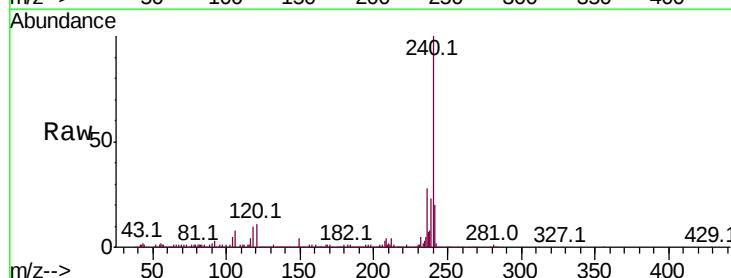


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

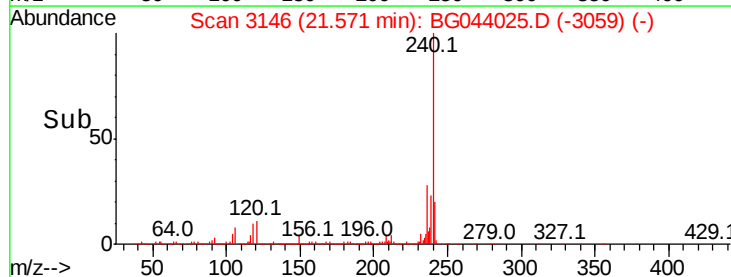
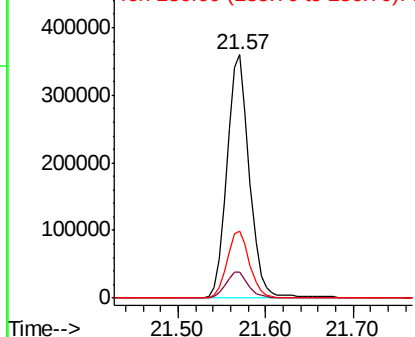


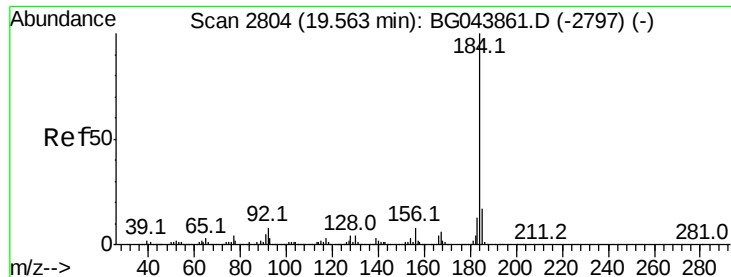
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG044025.D
 Acq: 13 Jan 2020 23:37

Tgt Ion:240 Resp: 629611
 Ion Ratio Lower Upper
 240 100
 120 10.7 9.6 14.4
 236 27.6 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: 2.758 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG044025.D

Acq: 13 Jan 2020 23:37

Instrument :

BNA_G

ClientSampleId :

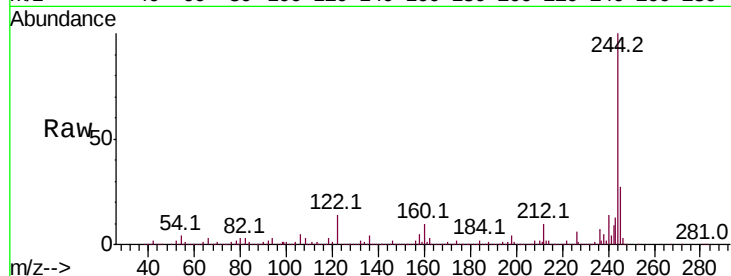
Tot Ion:184 Resp: 43648

Ion Ratio Lower Upper

184 100

185 17.2 13.4 20.0

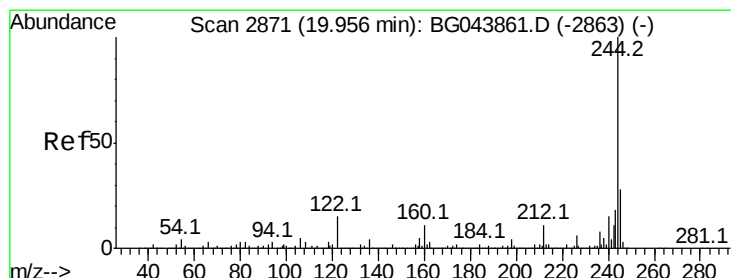
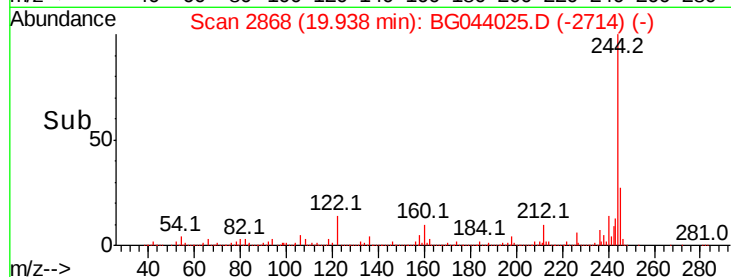
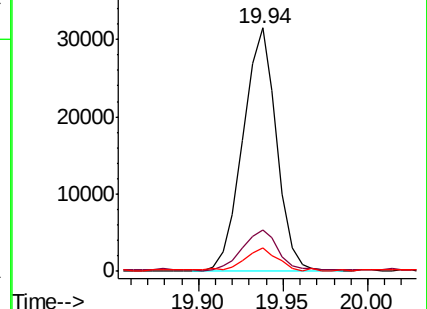
183 9.8 10.6 15.8#



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: 87.891 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044025.D

Acq: 13 Jan 2020 23:37

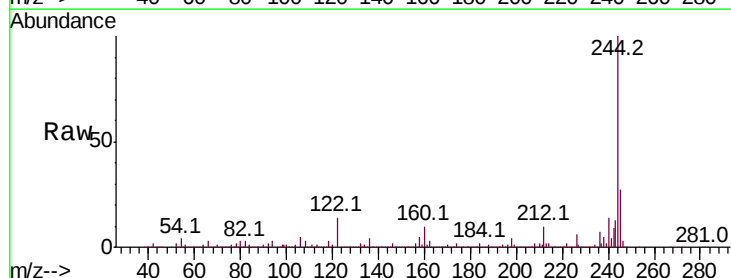
Tgt Ion:244 Resp: 2274744

Ion Ratio Lower Upper

244 100

212 10.4 8.6 13.0

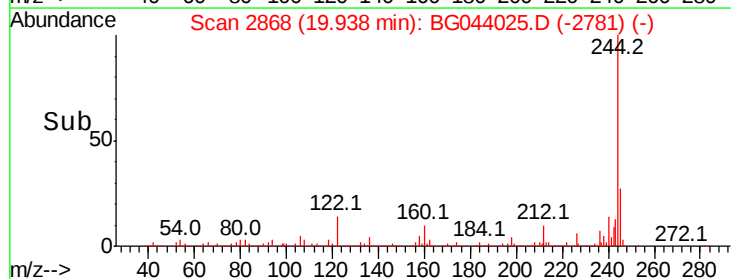
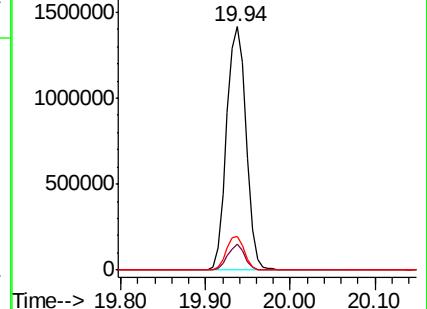
122 14.1 11.9 17.9

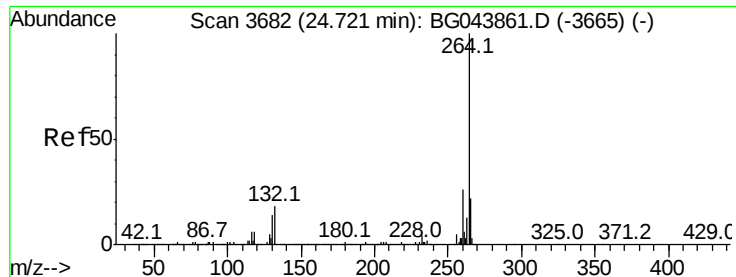


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.69 min Scan# 3677
Delta R.T. -0.03 min
Lab File: BG044025.D
Acq: 13 Jan 2020 23:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.4	30.6
265	21.9	17.4	26.2

