

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\
 Data File : BG045701.D
 Acq On : 10 Jun 2020 21:18
 Operator : CG/JU
 Sample : L2948-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SYNERTECH

Quant Time: Jun 11 00:46:38 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	76432	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	277067	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	193521	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	411719	20.00	ng	0.00
76) Chrysene-d12	21.60	240	397639	20.00	ng	0.00
87) Perylene-d12	24.74	264	334468	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	377349	96.48	ng	0.00
7) Phenol-d6	7.14	99	525156	94.34	ng	0.00
23) Nitrobenzene-d5	9.11	82	373790	73.57	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	226908	91.68	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	801774	70.28	ng	0.00
79) Terphenyl-d14	19.95	244	1141986	66.98	ng	0.00

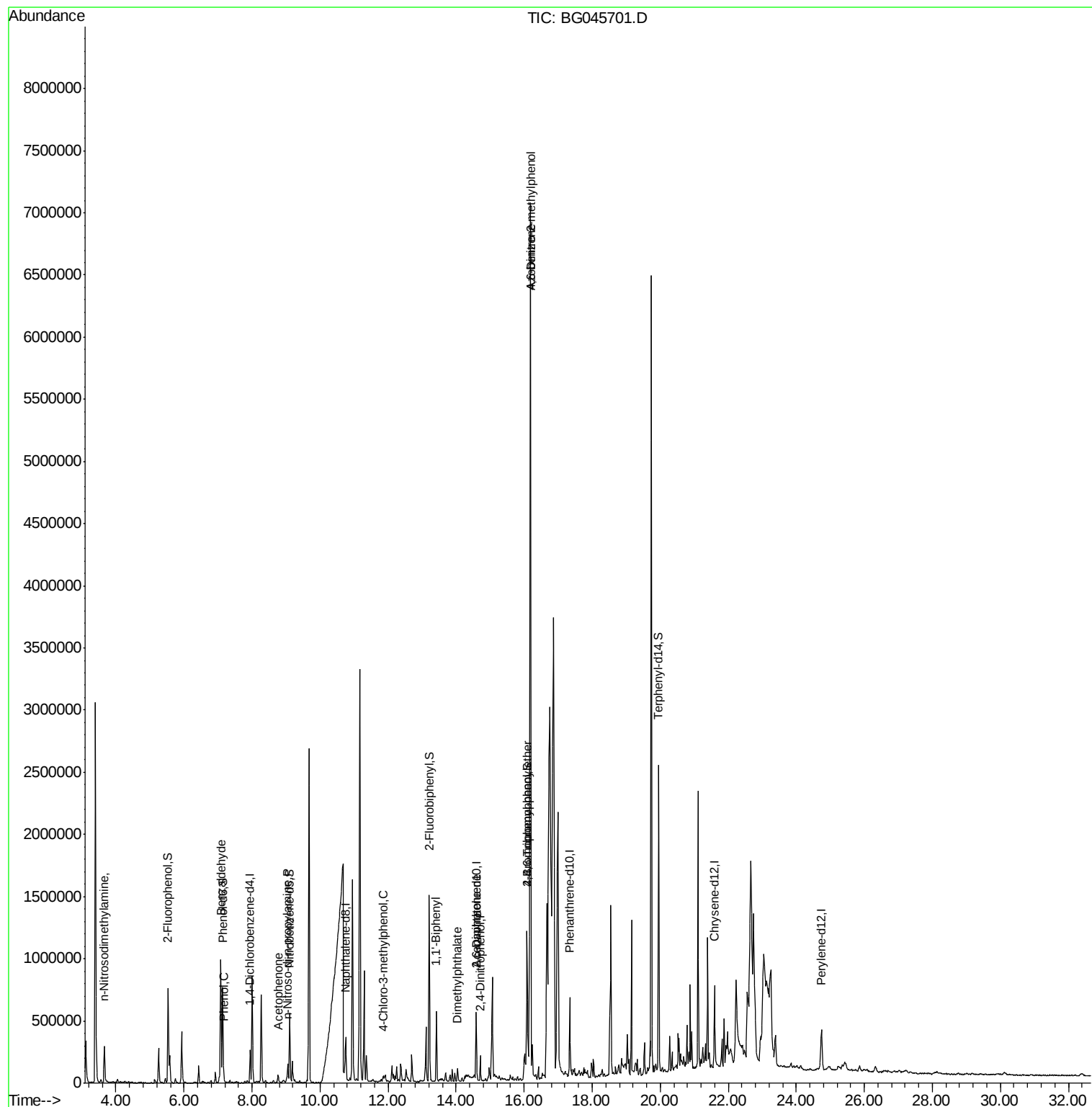
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.66	42	16447	9.305	ng	# 1
9) Benzaldehyde	7.08	77	404400	111.506	ng	96
10) Phenol	7.17	94	27155	4.733	ng	98
19) n-Nitroso-di-n-propylamine	9.05	70	21286	5.530	ng	# 76
22) Acetophenone	8.77	105	35242	5.367	ng	# 97
36) 4-Chloro-3-methylphenol	11.87	107	19075	4.150	ng	# 20
46) 1,1'-Biphenyl	13.42	154	311982	26.237	ng	96
50) Dimethylphthalate	14.04	163	57814	4.355	ng	99
51) 2,6-Dinitrotoluene	14.59	165	26168	8.735	ng	# 26
54) 2,4-Dinitrophenol	14.71	184	695	5.789	ng	# 17
63) Azobenzene	16.19	77	3193324	247.851	ng	# 4
65) 4,6-Dinitro-2-methylphenol	16.19	198	299782	125.022	ng	# 1
67) 4-Bromophenyl-phenylether	16.09	248	15496	3.476	ng	# 1

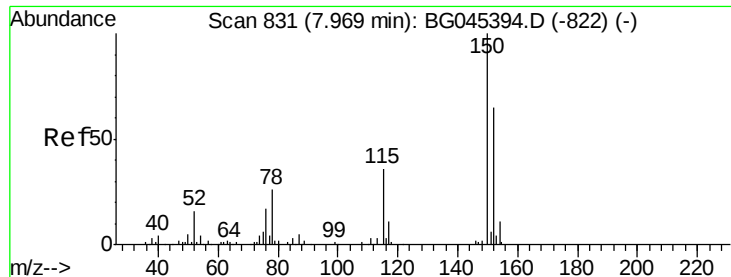
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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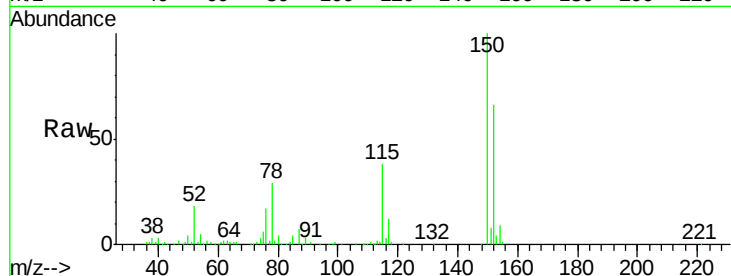


#1

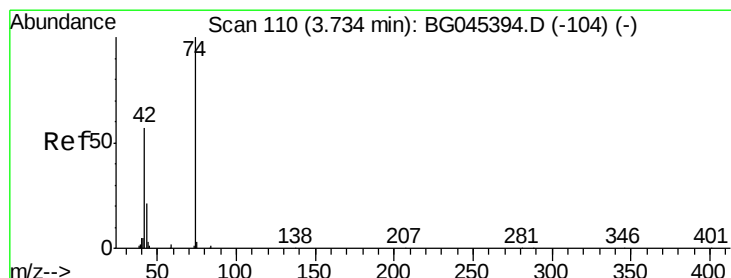
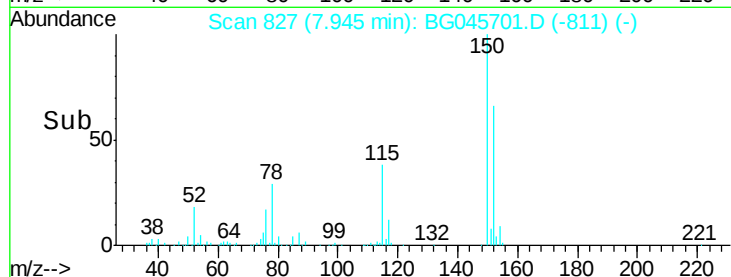
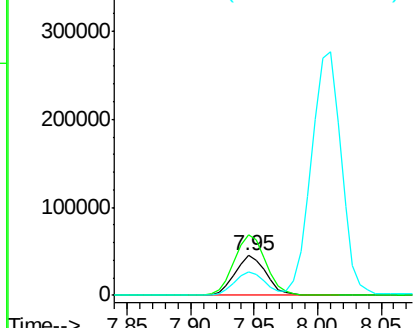
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045701.D
Acq: 10 Jun 2020 21:18

Instrument :
BNA_G
ClientSampleId :
SYNERTECH

Tot Ion:152 Resp: 76432
Ion Ratio Lower Upper
152 100
150 151.8 122.4 183.6
115 57.7 44.2 66.4



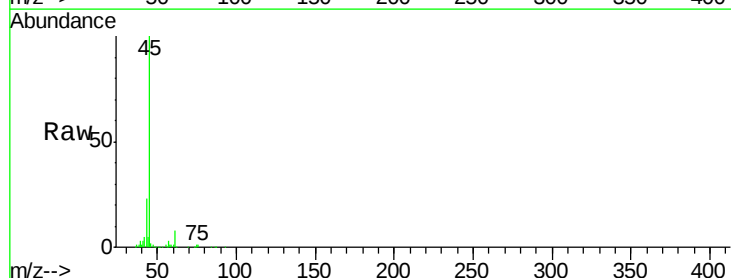
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



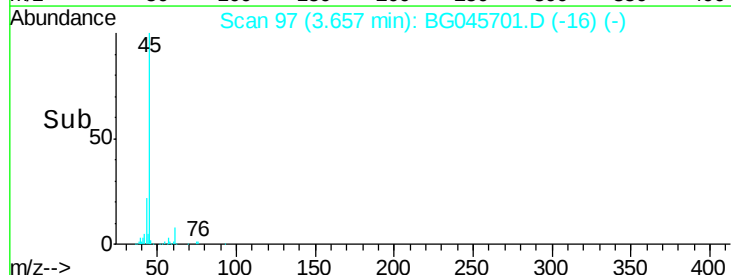
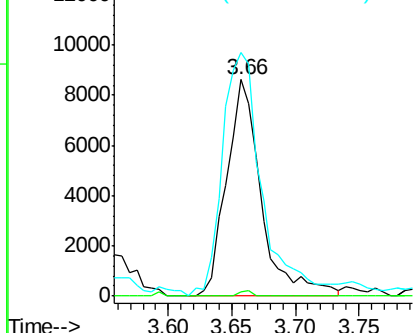
#4

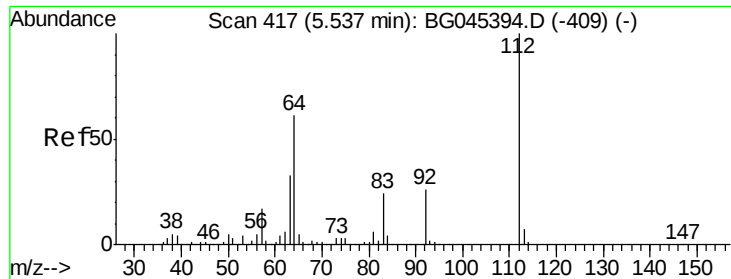
n-Nitrosodimethylamine
Concen: 9.305 ng
RT: 3.66 min Scan# 97
Delta R.T. -0.05 min
Lab File: BG045701.D
Acq: 10 Jun 2020 21:18

Tgt Ion: 42 Resp: 16447
Ion Ratio Lower Upper
42 100
74 1.7 141.3 211.9#
44 112.6 4.2 6.4#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 96.485 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

Instrument :

BNA_G

ClientSampleId :

SYNERTECH

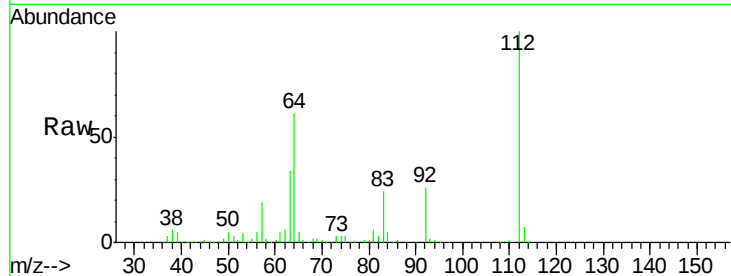
Tot Ion:112 Resp: 377349

Ion Ratio Lower Upper

112 100

64 61.0 48.6 72.8

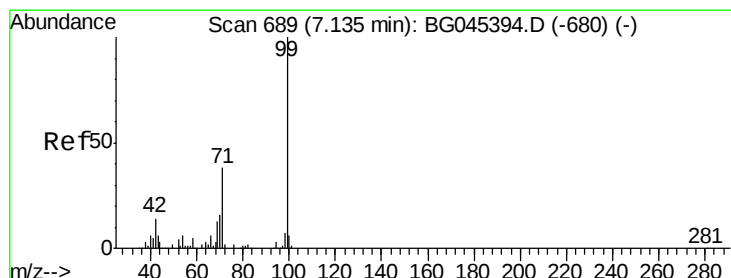
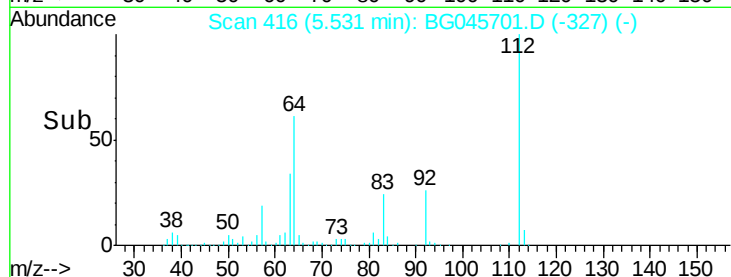
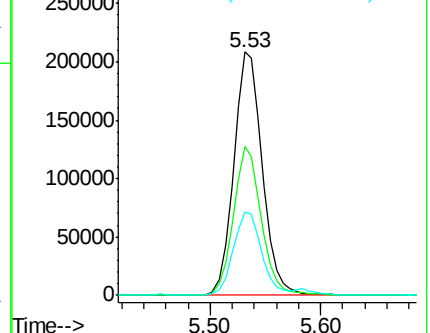
63 34.5 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 94.342 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

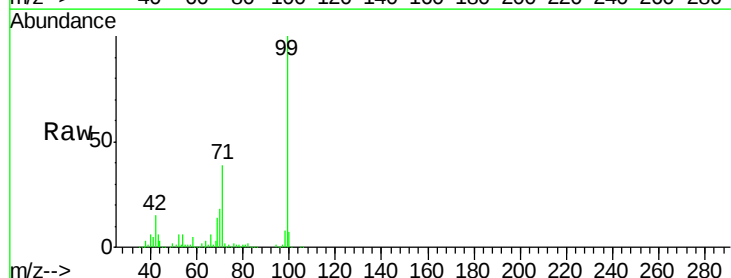
Tgt Ion: 99 Resp: 525156

Ion Ratio Lower Upper

99 100

42 14.9 11.3 16.9

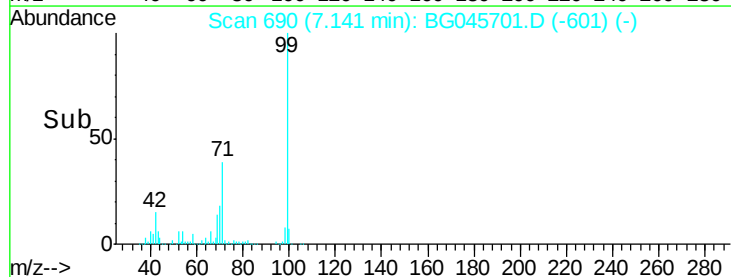
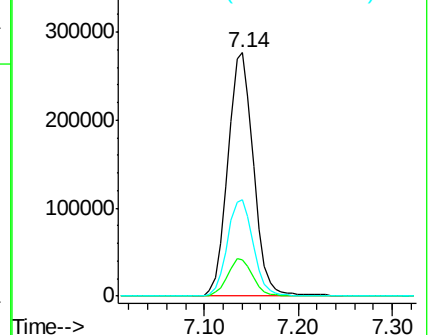
71 39.5 30.8 46.2

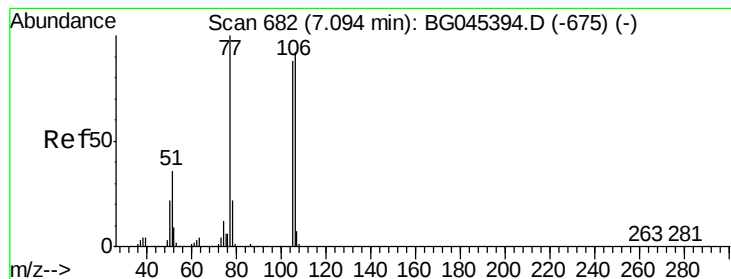


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 111.506 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

Instrument :

BNA_G

ClientSampleId :

SYNERTECH

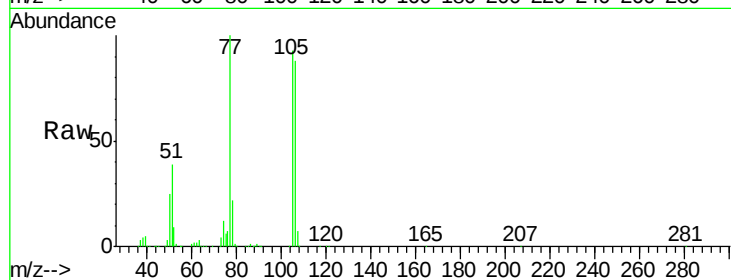
Tot Ion: 77 Resp: 404400

Ion Ratio Lower Upper

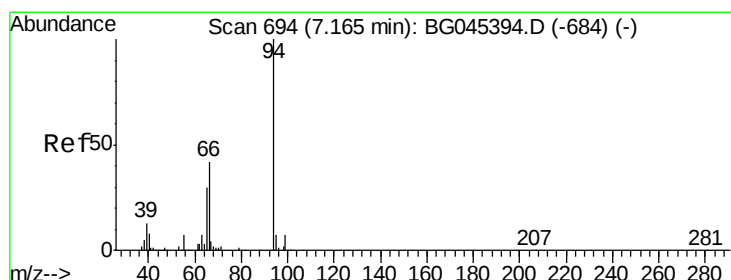
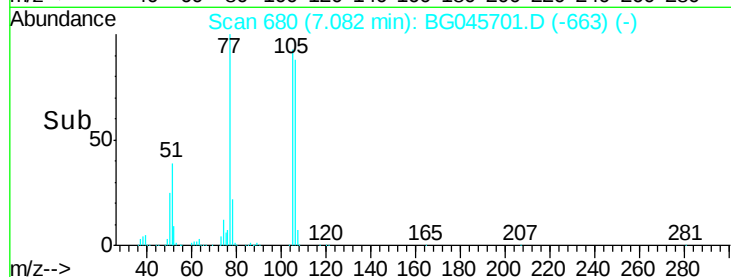
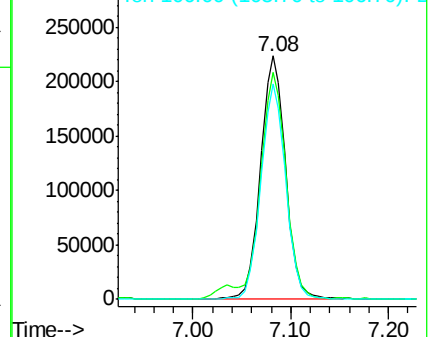
77 100

105 93.2 68.5 108.5

106 88.2 71.6 111.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 4.733 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

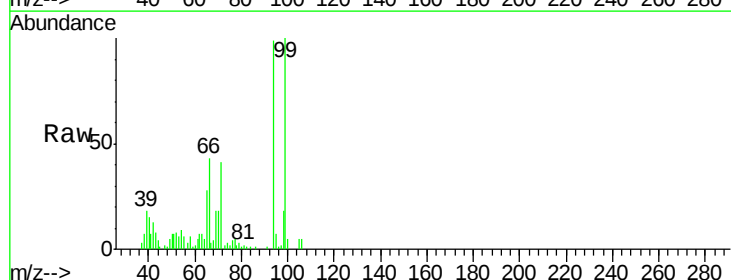
Tgt Ion: 94 Resp: 27155

Ion Ratio Lower Upper

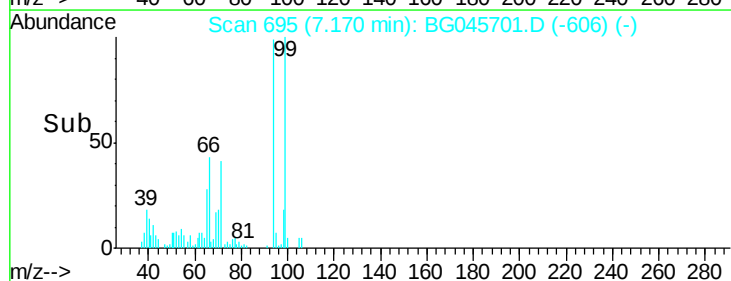
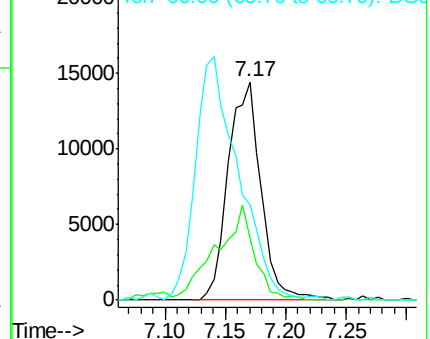
94 100

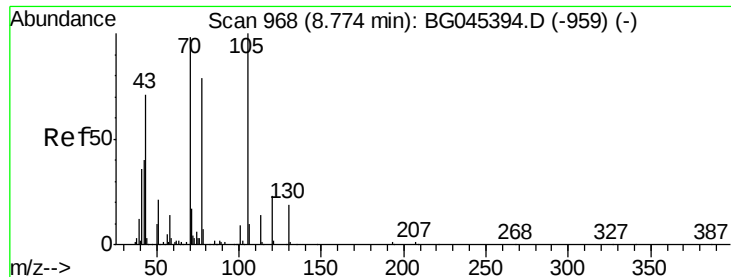
65 28.1 9.8 49.8

66 43.3 22.0 62.0



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

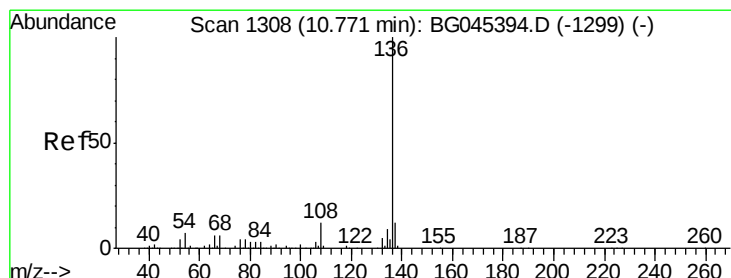
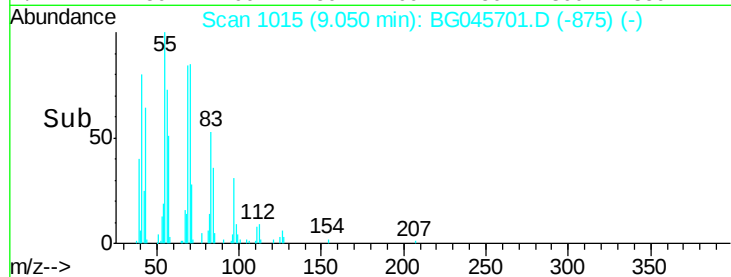
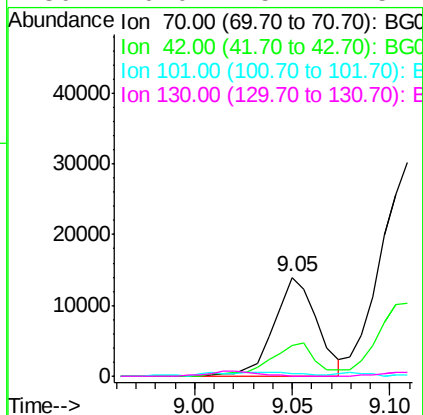
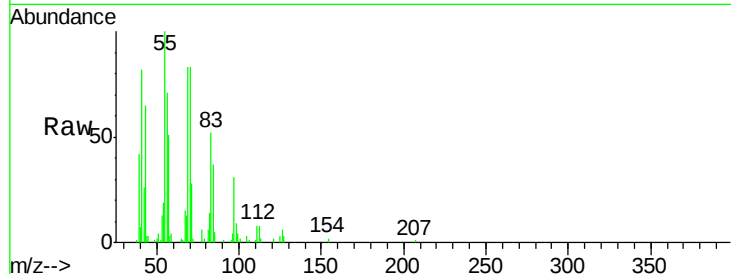




#19
n-Nitroso-di-n-propylamine
Concen: 5.530 ng
RT: 9.05 min Scan# 1015
Delta R.T. 0.29 min
Lab File: BG045701.D
Acq: 10 Jun 2020 21:18

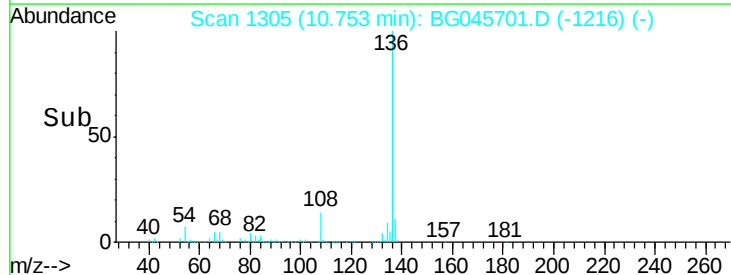
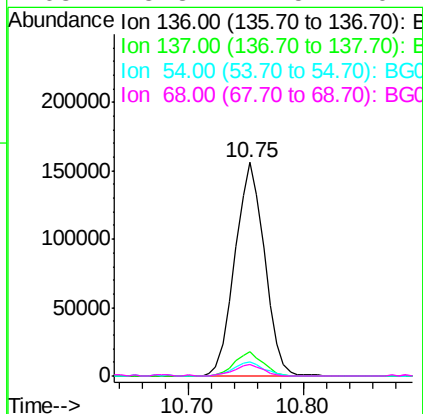
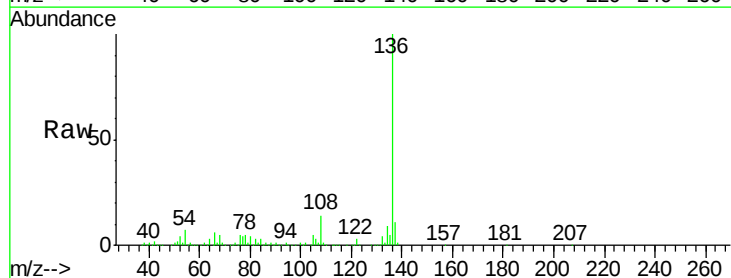
Instrument :
BNA_G
ClientSampleId :
SYNERTECH

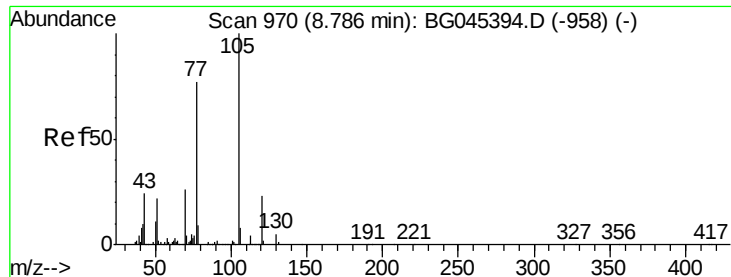
Tot Ion: 70 Resp: 21286
Ion Ratio Lower Upper
70 100
42 31.1 33.2 49.8#
101 2.2 7.8 11.6#
130 0.0 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045701.D
Acq: 10 Jun 2020 21:18

Tgt Ion: 136 Resp: 277067
Ion Ratio Lower Upper
136 100
137 11.1 9.4 14.2
54 6.7 5.8 8.6
68 5.3 4.5 6.7





#22

Acetophenone

Concen: 5.367 ng

RT: 8.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

Instrument :

BNA_G

ClientSampleId :

SYNERTECH

Tot Ion:105 Resp: 35242

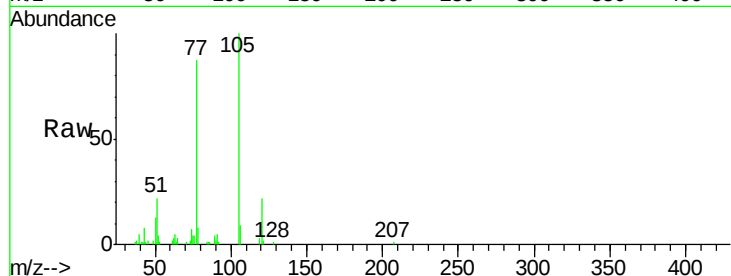
Ion Ratio Lower Upper

105 100

71 1.0 3.4 5.0#

51 22.0 18.2 27.2

120 21.6 18.6 27.8

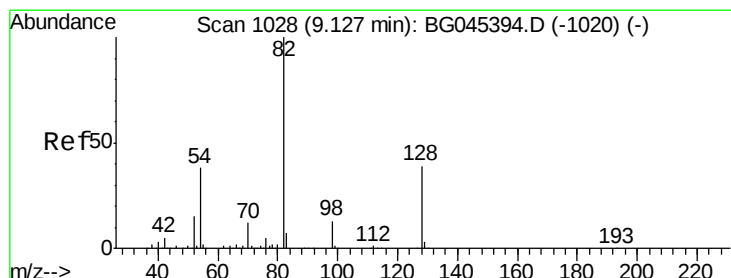
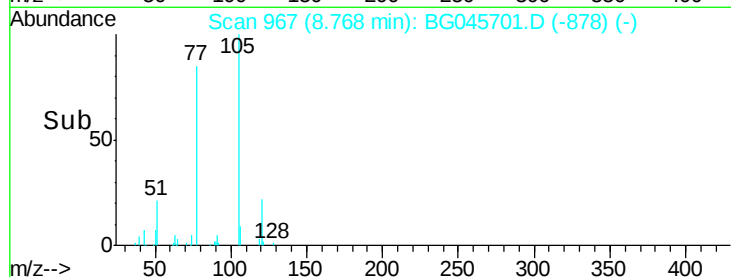
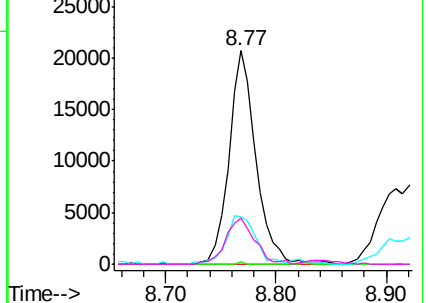


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 73.568 ng

RT: 9.11 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

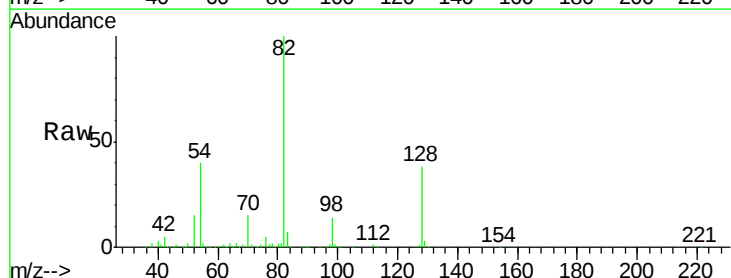
Tgt Ion: 82 Resp: 373790

Ion Ratio Lower Upper

82 100

128 37.8 30.9 46.3

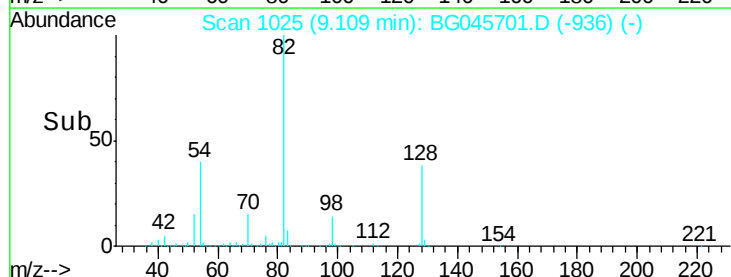
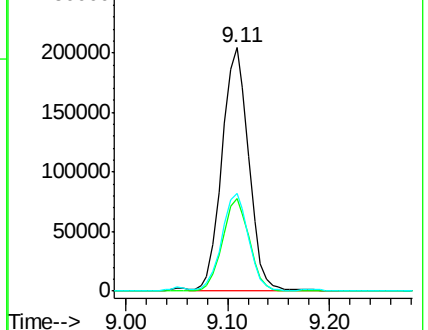
54 40.3 30.3 45.5

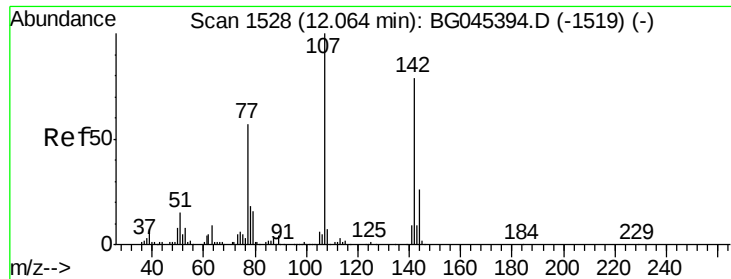


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

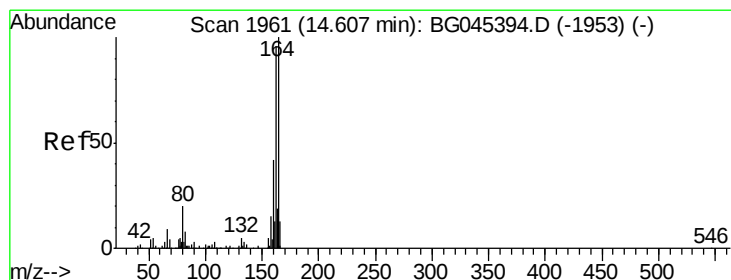
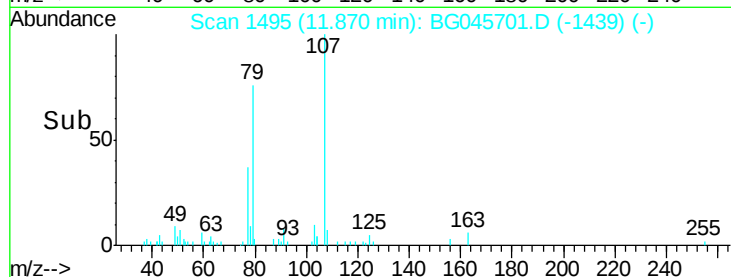
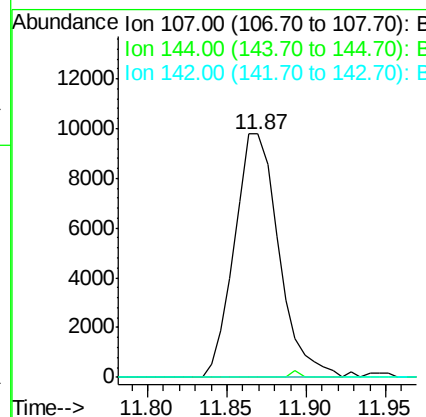
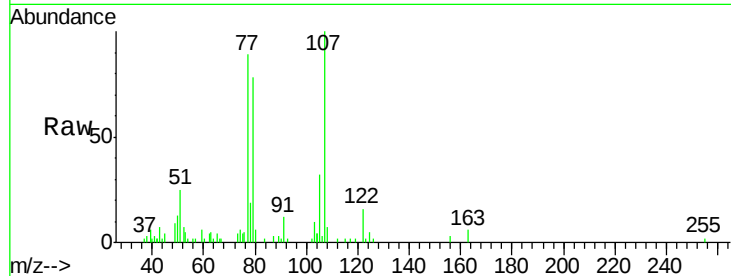




#36
 4-Chloro-3-methylphenol
 Concen: 4.150 ng
 RT: 11.87 min Scan# 1495
 Delta R.T. -0.20 min
 Lab File: BG045701.D
 Acq: 10 Jun 2020 21:18

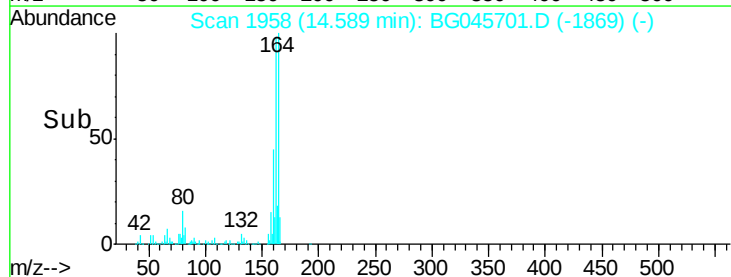
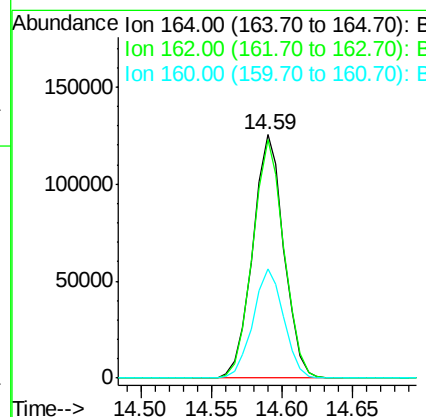
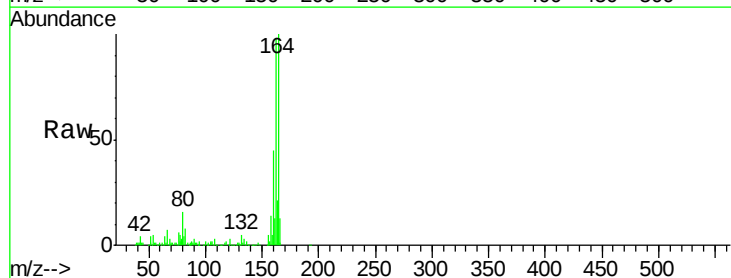
Instrument :
 BNA_G
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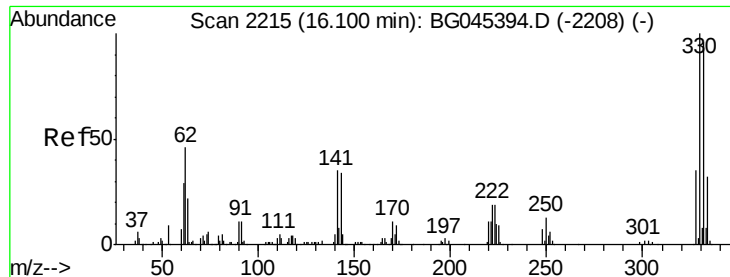
Tot Ion:107 Resp: 19075
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.8 31.2#
 142 0.0 62.8 94.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.01 min
 Lab File: BG045701.D
 Acq: 10 Jun 2020 21:18

Tgt Ion:164 Resp: 193521
 Ion Ratio Lower Upper
 164 100
 162 97.9 76.9 115.3
 160 44.9 33.8 50.8





#42

2,4,6-Tribromophenol

Concen: 91.683 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

Instrument :

BNA_G

ClientSampleId :

SYNERTECH

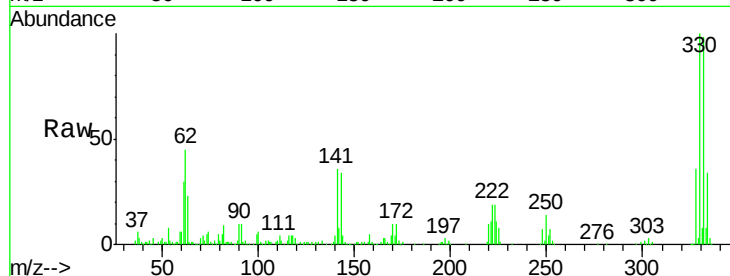
Tot Ion:330 Resp: 226908

Ion Ratio Lower Upper

330 100

332 99.5 78.2 117.4

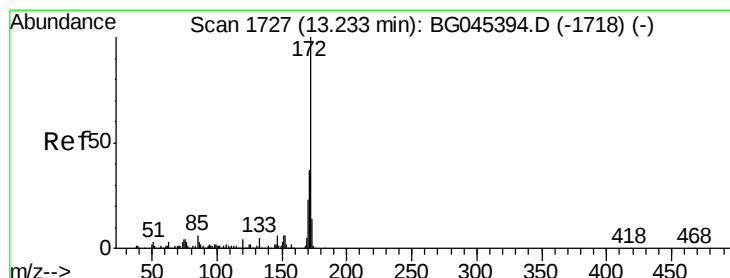
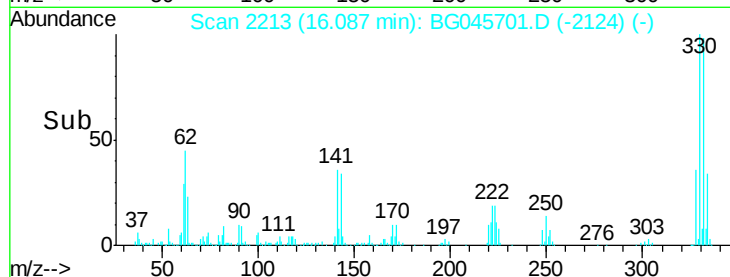
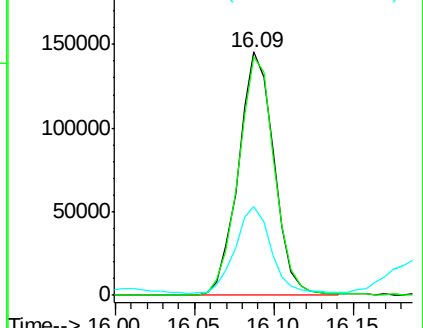
141 38.4 28.2 42.4



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: 70.275 ng

RT: 13.21 min Scan# 1723

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

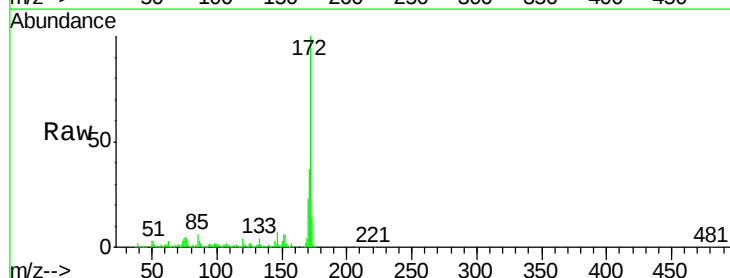
Tgt Ion:172 Resp: 801774

Ion Ratio Lower Upper

172 100

171 37.2 29.5 44.3

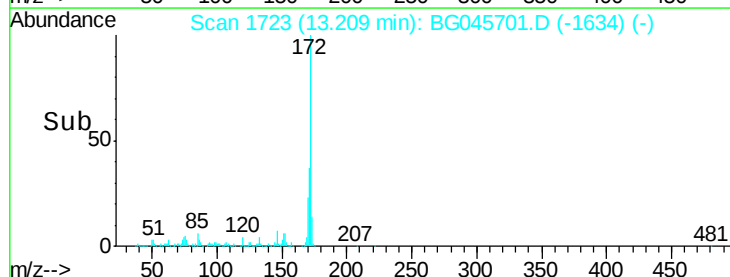
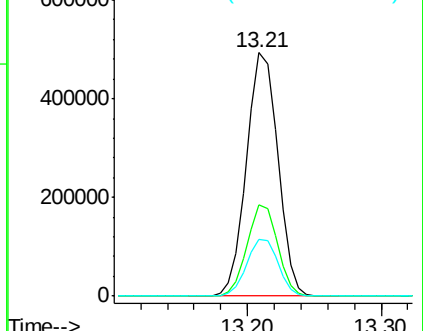
170 23.3 18.5 27.7

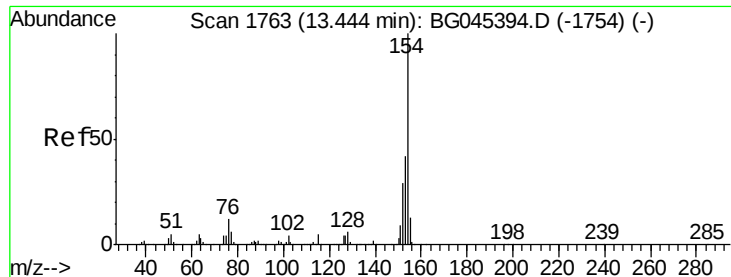


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 26.237 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

Instrument :

BNA_G

ClientSampleId :

SYNERTECH

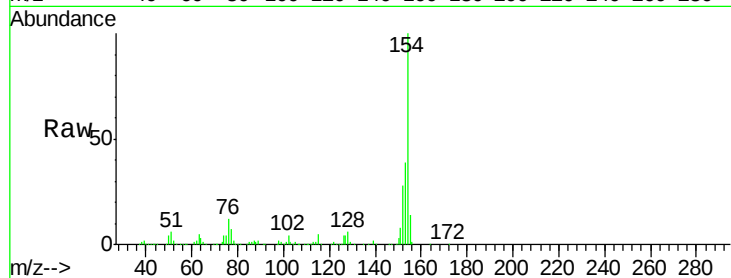
Tot Ion:154 Resp: 311982

Ion Ratio Lower Upper

154 100

153 39.1 22.2 62.2

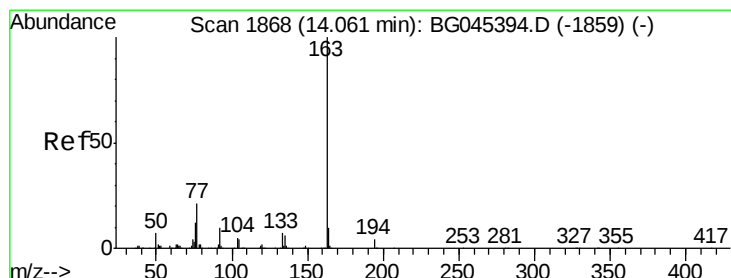
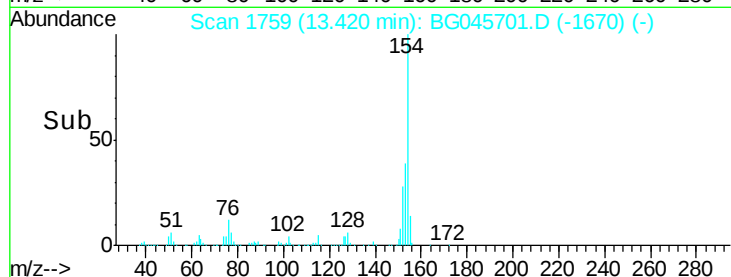
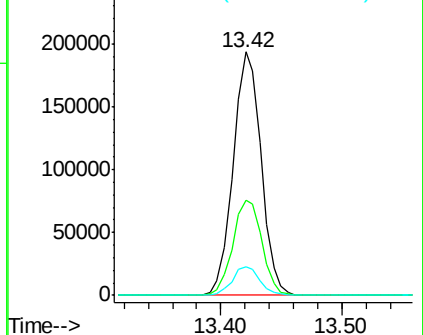
76 11.9 0.0 32.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#50

Dimethylphthalate

Concen: 4.355 ng

RT: 14.04 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

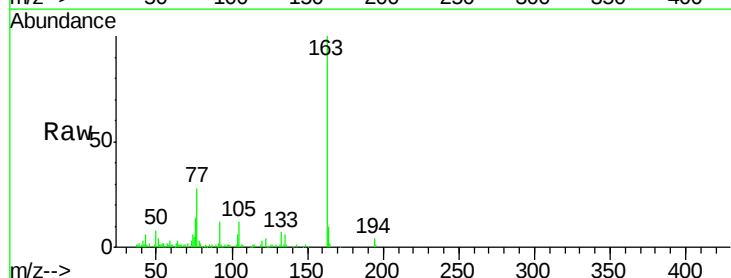
Tgt Ion:163 Resp: 57814

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

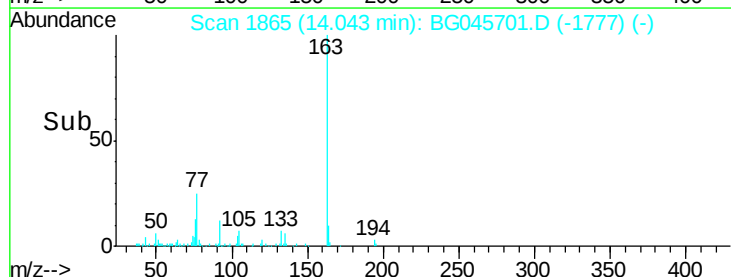
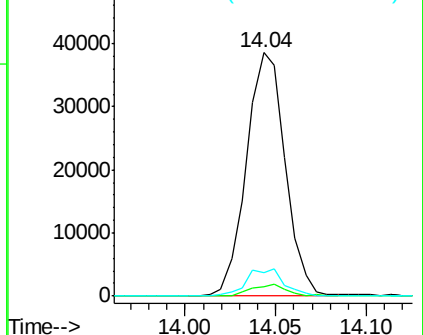
164 9.8 8.3 12.5

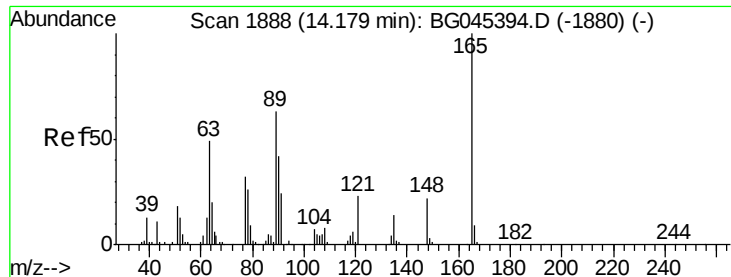


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

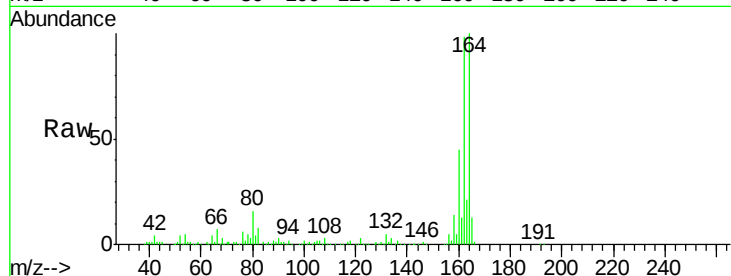




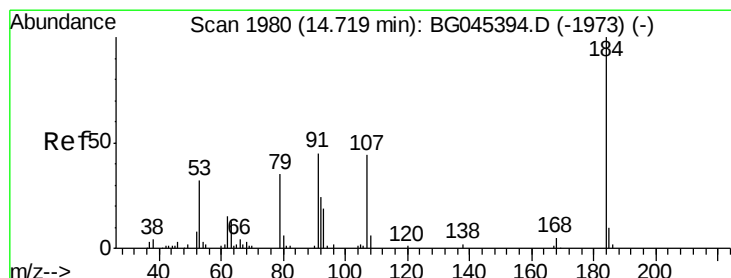
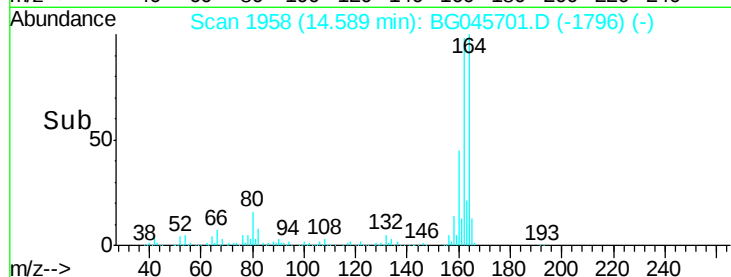
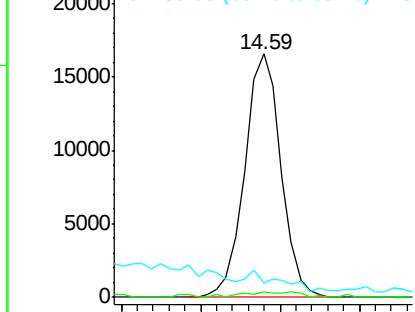
#51
 2,6-Dinitrotoluene
 Concen: 8.735 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.42 min
 Lab File: BG045701.D
 Acq: 10 Jun 2020 21:18

Instrument :
 BNA_G
 ClientSampleId :
 SYNERTECH

Tot Ion:165 Resp: 26168
 Ion Ratio Lower Upper
 165 100
 63 2.1 45.0 67.4#
 89 6.0 50.2 75.4#

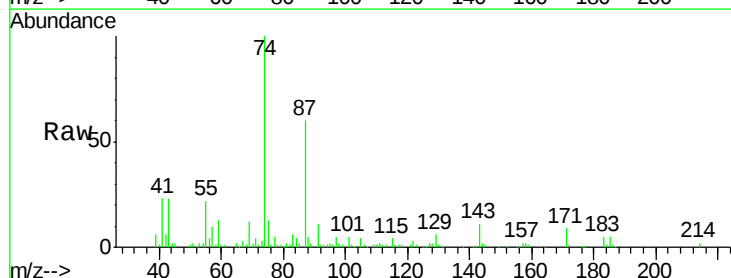


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

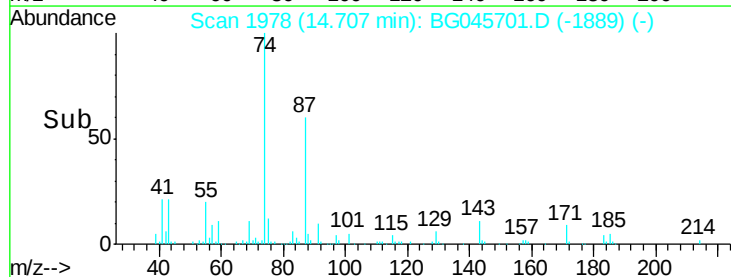
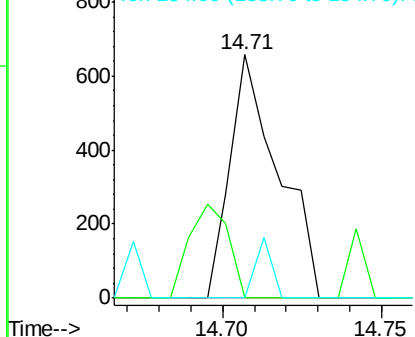


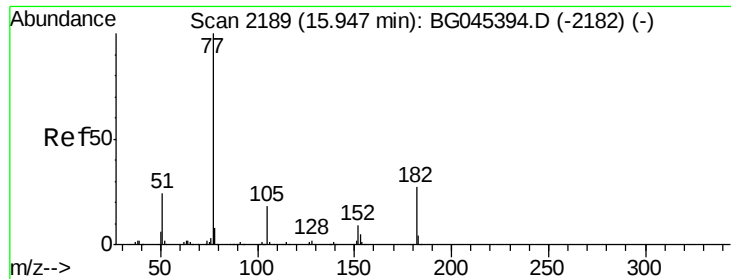
#54
 2,4-Dinitrophenol
 Concen: 5.789 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: BG045701.D
 Acq: 10 Jun 2020 21:18

Tgt Ion:184 Resp: 695
 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): BGC
 Ion 154.00 (153.70 to 154.70): E

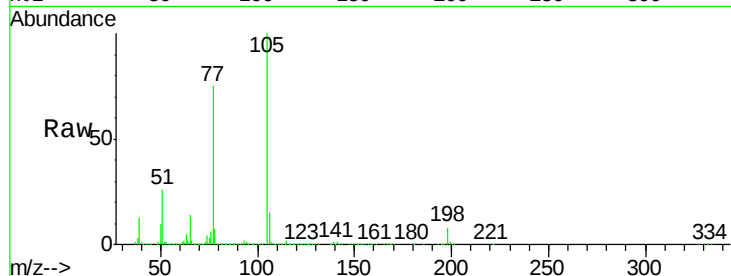




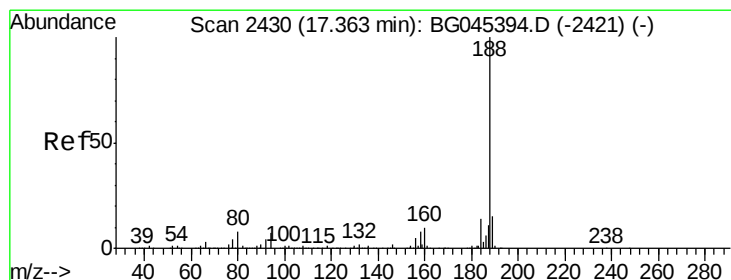
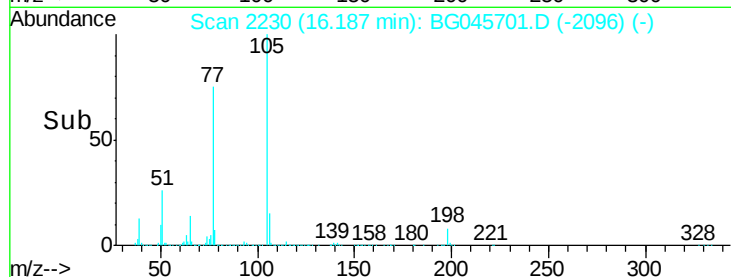
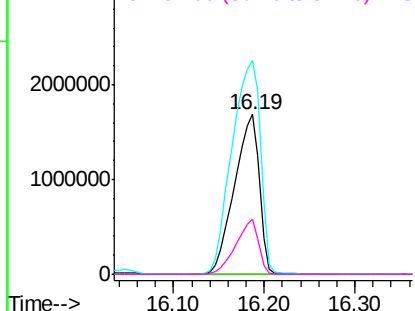
#63
Azobenzene
Concen: 247.851 ng
RT: 16.19 min Scan# 2230
Delta R.T. 0.26 min
Lab File: BG045701.D
Acq: 10 Jun 2020 21:18

Instrument :
BNA_G
ClientSampleId :
SYNERTECH

Tot Ion: 77 Resp: 3193324
Ion Ratio Lower Upper
77 100
182 0.0 6.5 46.5#
105 133.6 0.0 37.9#
51 34.5 4.1 44.1

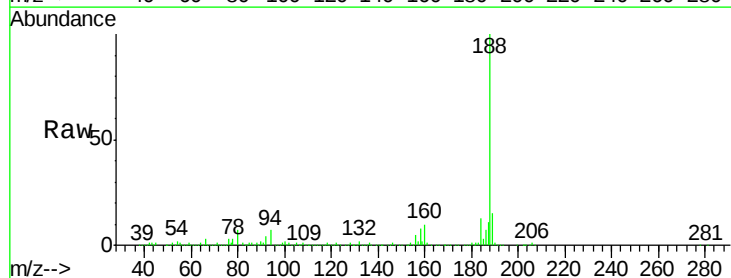


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

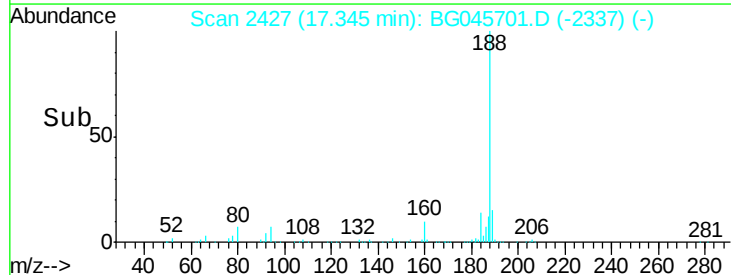
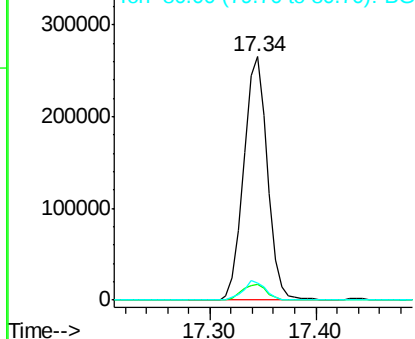


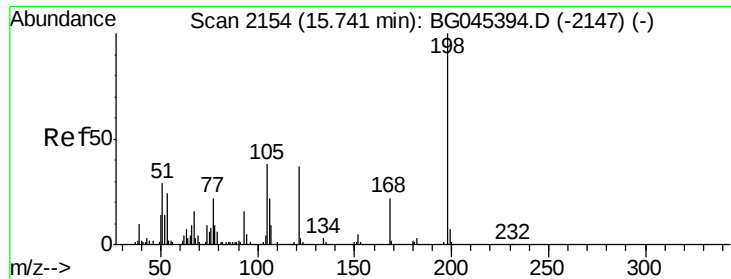
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BG045701.D
Acq: 10 Jun 2020 21:18

Tgt Ion: 188 Resp: 411719
Ion Ratio Lower Upper
188 100
94 6.5 5.5 8.3
80 7.1 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

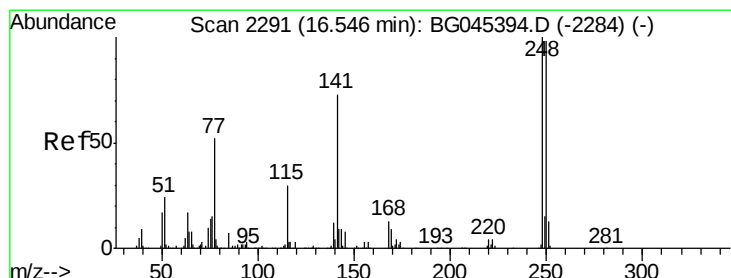
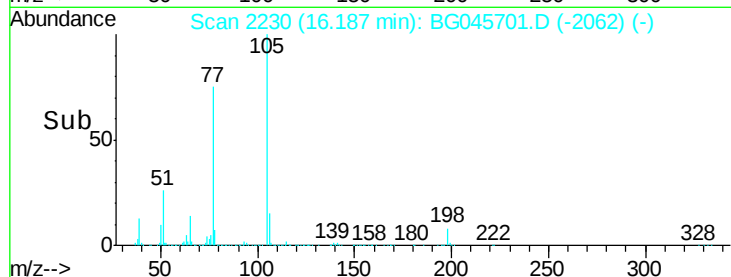
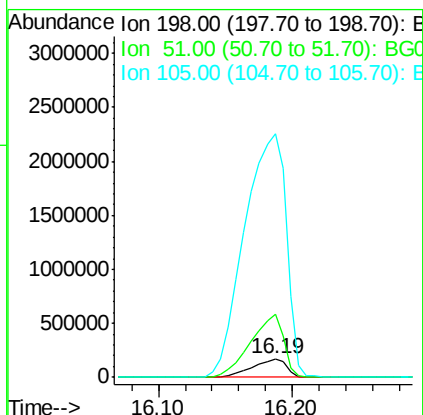
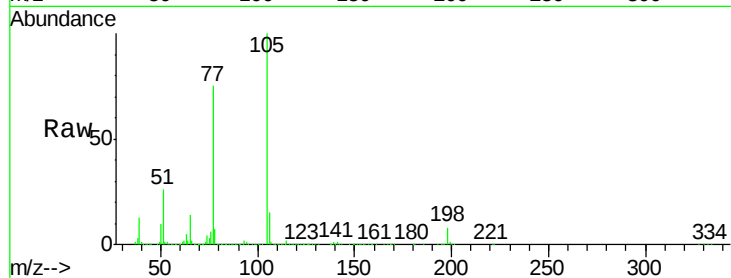




#65
 4,6-Dinitro-2-methylphenol
 Concen: 125.022 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.46 min
 Lab File: BG045701.D
 Acq: 10 Jun 2020 21:18

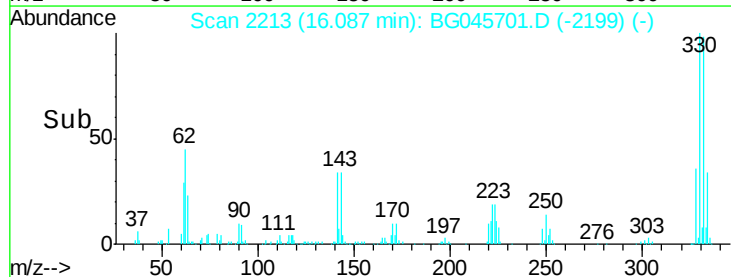
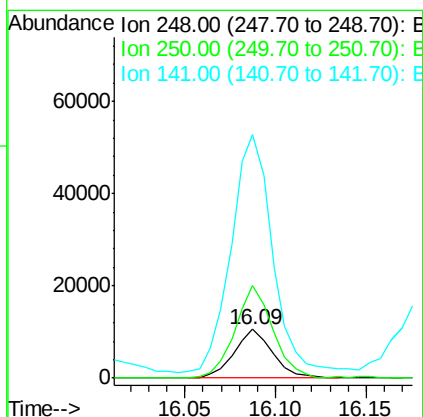
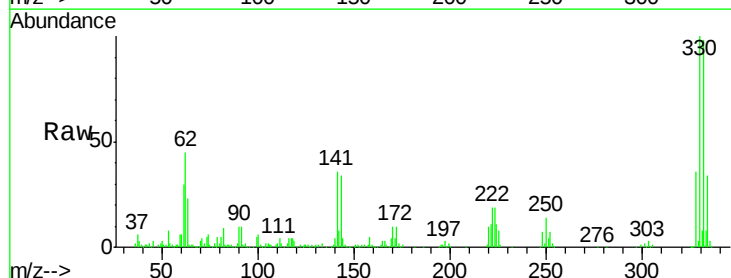
Instrument :
 BNA_G
 ClientSampleId :
 SYNERTECH

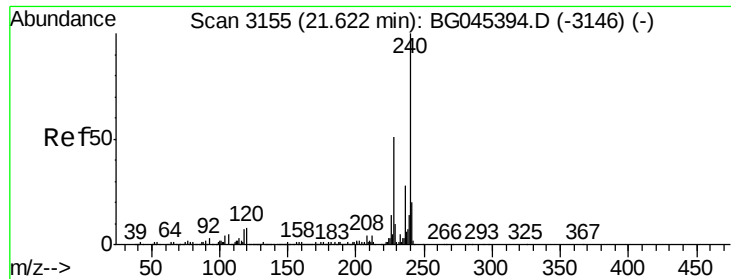
Tot Ion:198 Resp: 299782
 Ion Ratio Lower Upper
 198 100
 51 336.0 10.0 50.0#
 105 1300.8 18.9 58.9#



#67
 4-Bromophenyl-phenylether
 Concen: 3.476 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.45 min
 Lab File: BG045701.D
 Acq: 10 Jun 2020 21:18

Tgt Ion:248 Resp: 15496
 Ion Ratio Lower Upper
 248 100
 250 188.6 78.6 117.8#
 141 496.9 58.2 87.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

Instrument :

BNA_G

ClientSampleId :

SYNERTECH

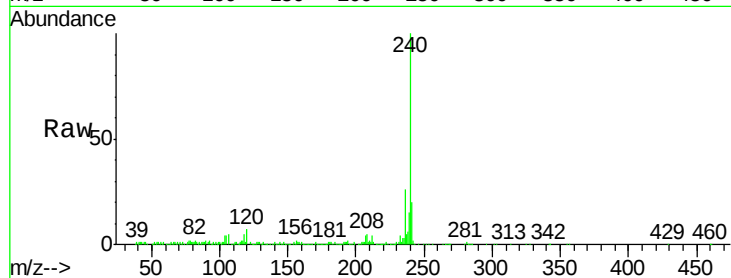
Tot Ion:240 Resp: 397639

Ion Ratio Lower Upper

240 100

120 6.6 6.1 9.1

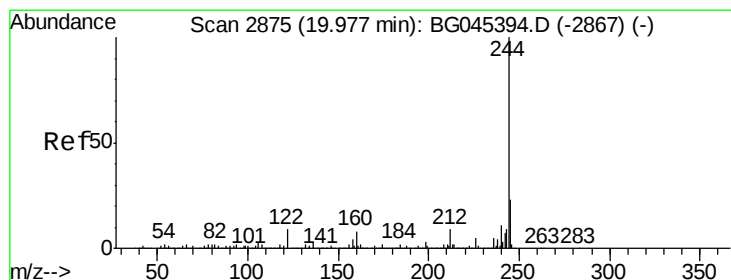
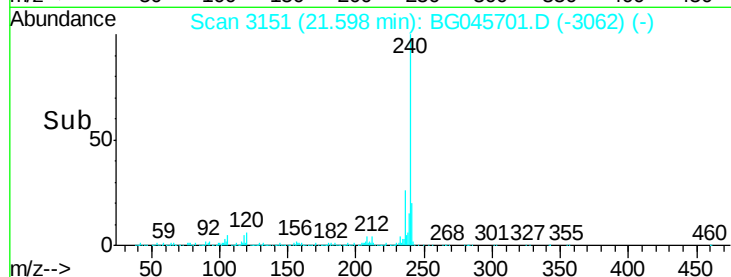
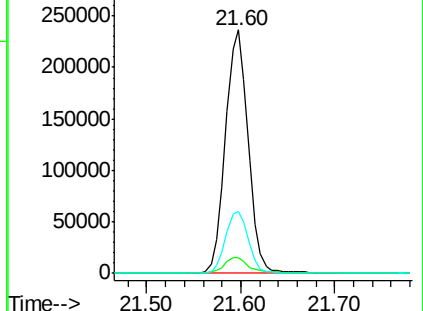
236 25.6 22.3 33.5



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



#79

Terphenyl-d14

Concen: 66.982 ng

RT: 19.95 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BG045701.D

Acq: 10 Jun 2020 21:18

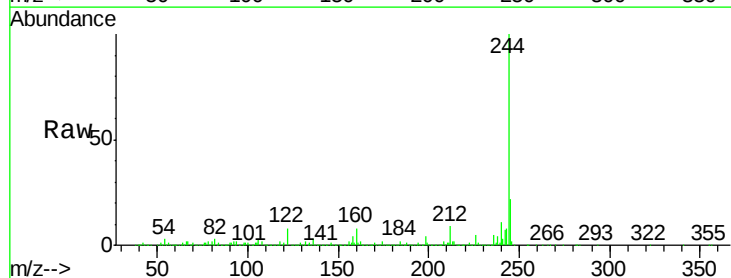
Tgt Ion:244 Resp: 1141986

Ion Ratio Lower Upper

244 100

212 9.2 7.4 11.0

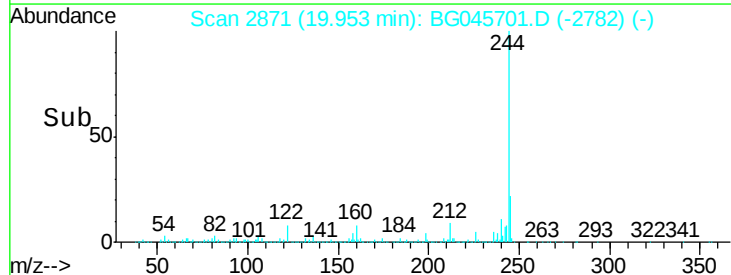
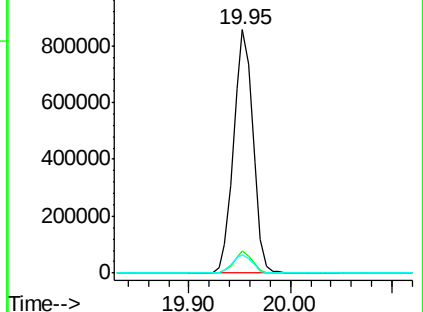
122 7.7 6.8 10.2

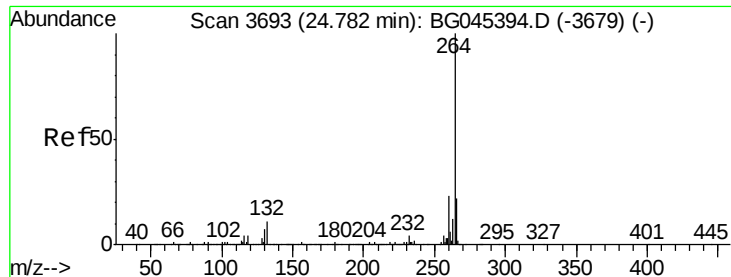


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.74 min Scan# 3686
 Delta R.T. -0.01 min
 Lab File: BG045701.D
 Acq: 10 Jun 2020 21:18

Instrument :
 BNA_G
 ClientSampleId :
 SYNERTECH

Tot Ion:	264	Resp:	334468
Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.2	27.4
265	23.1	17.6	26.4

