

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044752.D
 Acq On : 13 Mar 2020 2:46
 Operator : CG/JU
 Sample : PB127459TB
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:10:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	95261	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	397365	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	273551	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	623871	20.00	ng	0.00
76) Chrysene-d12	21.70	240	588092	20.00	ng	-0.01
87) Perylene-d12	24.91	264	646688	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	616696	100.78	ng	0.00
7) Phenol-d6	7.21	99	869600	97.81	ng	0.00
23) Nitrobenzene-d5	9.21	82	568598	62.79	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	327479	91.43	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1206074	63.14	ng	0.00
79) Terphenyl-d14	20.04	244	1975780	62.84	ng	0.00

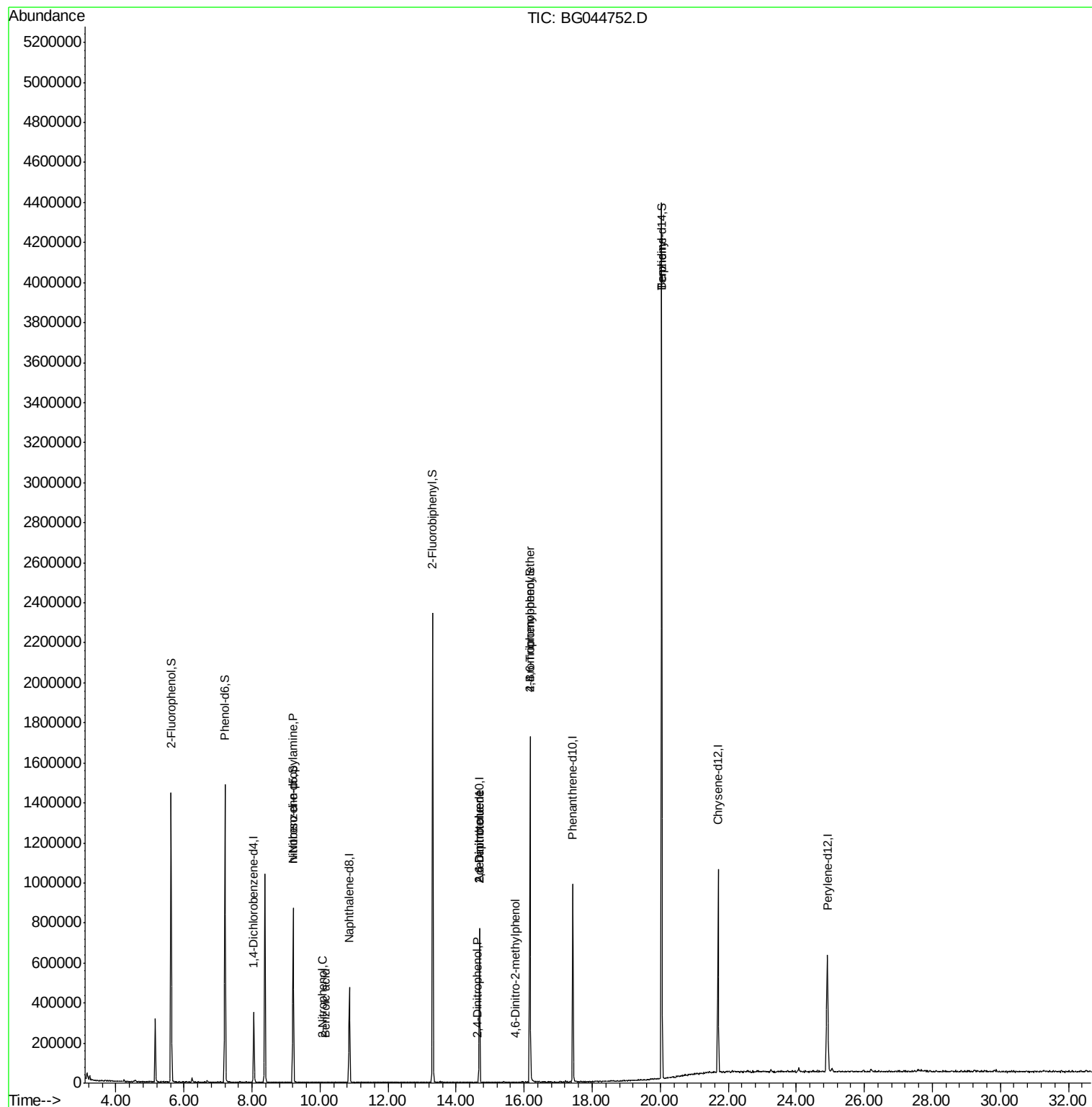
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	60	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.21	70	76349	12.161	ng	# 78
26) 2-Nitrophenol	10.07	139	60	5.531	ng	# 28
32) Benzoic acid	10.14	122	65	9.681	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	34359	7.824	ng	# 20
54) 2,4-Dinitrophenol	14.61	184	71	8.350	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	34359	5.705	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.73	198	84	7.752	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	22083	2.831	ng	# 1
77) Benzidine	20.04	184	38758	2.030	ng	# 92

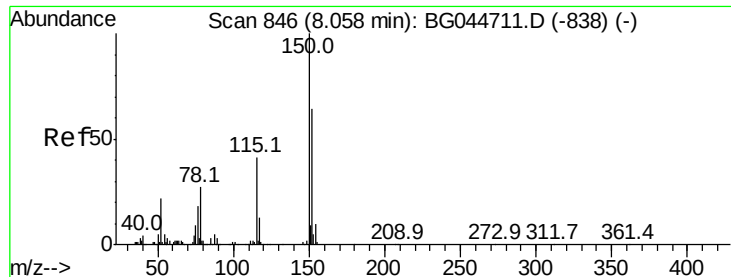
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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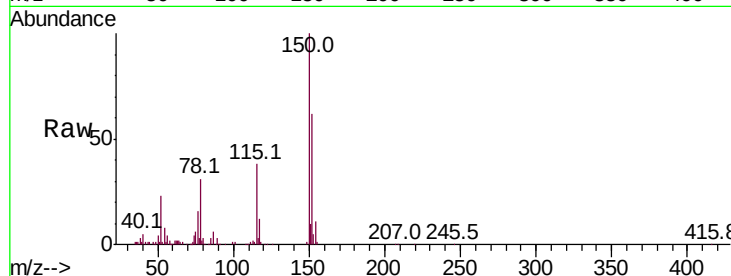


#1

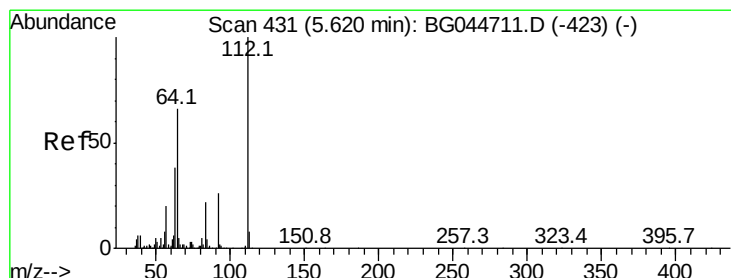
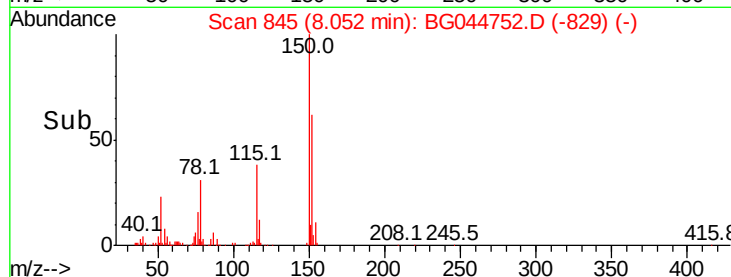
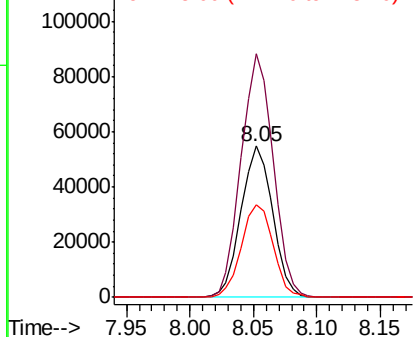
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044752.D
Acq: 13 Mar 2020 2:46

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	125.3	187.9
115	61.5	51.7	77.5



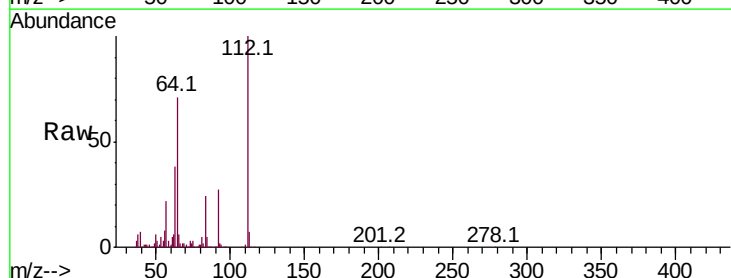
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



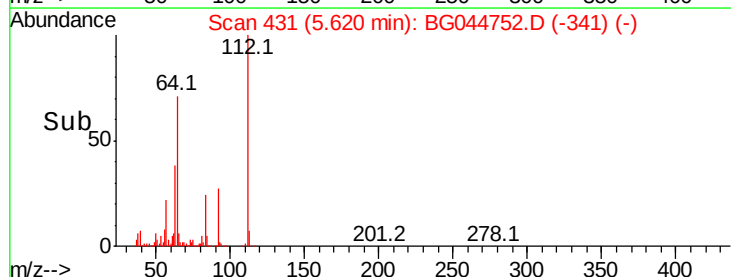
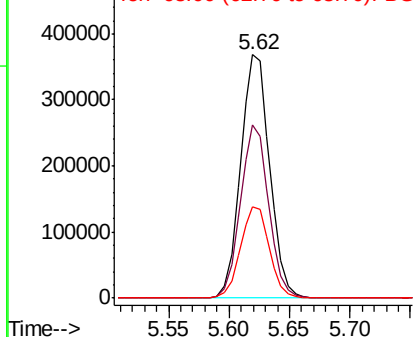
#5

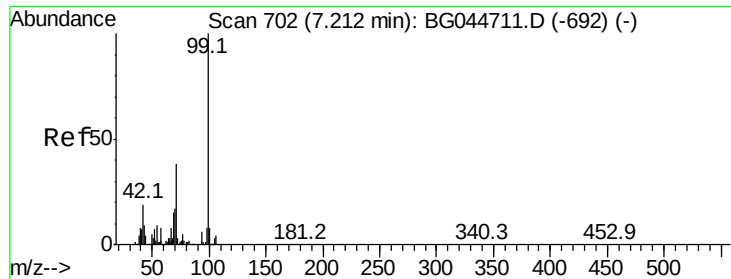
2-Fluorophenol
Concen: 100.776 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.00 min
Lab File: BG044752.D
Acq: 13 Mar 2020 2:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	52.6	78.8
63	37.6	30.2	45.4



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: 97.805 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Instrument :

BNA_G

ClientSampleId :

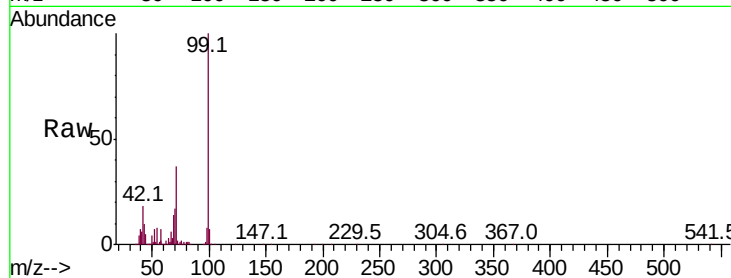
Tot Ion: 99 Resp: 869600

Ion Ratio Lower Upper

99 100

42 18.2 15.4 23.0

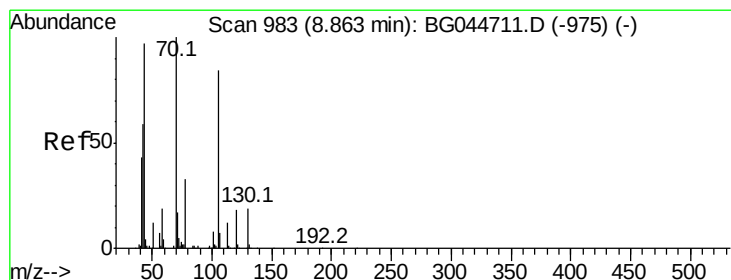
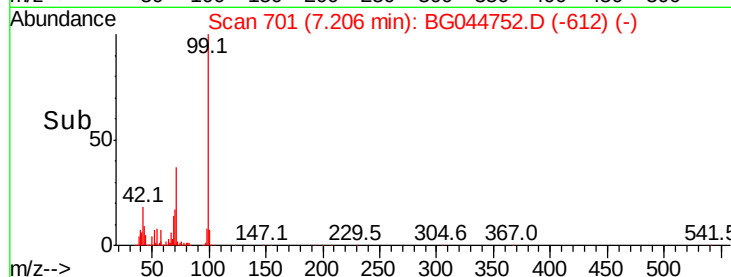
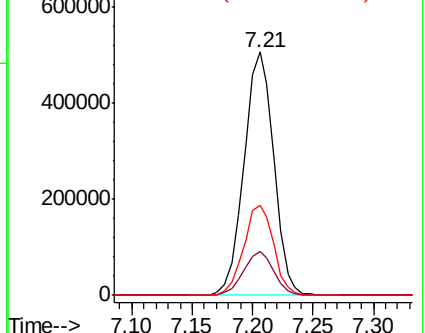
71 36.7 30.2 45.4



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: 12.161 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Tgt Ion: 70 Resp: 76349

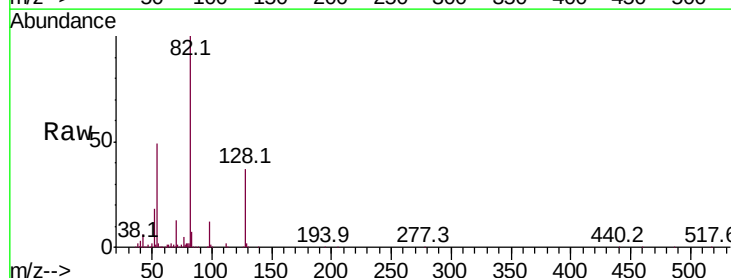
Ion Ratio Lower Upper

70 100

42 46.9 47.6 71.4#

101 0.0 6.5 9.7#

130 1.2 15.0 22.4#

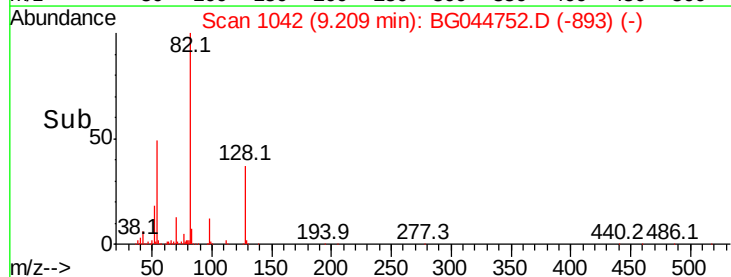
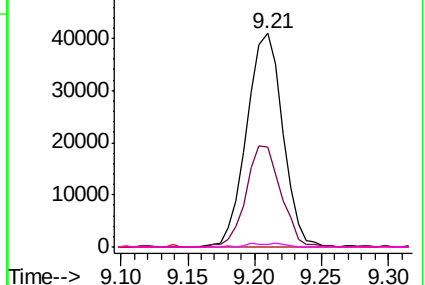


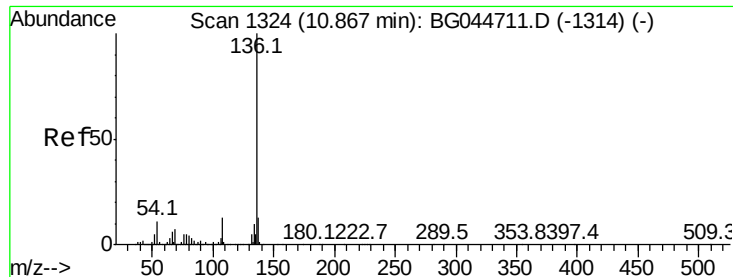
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

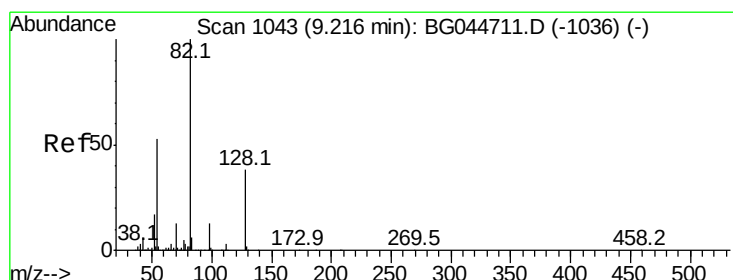
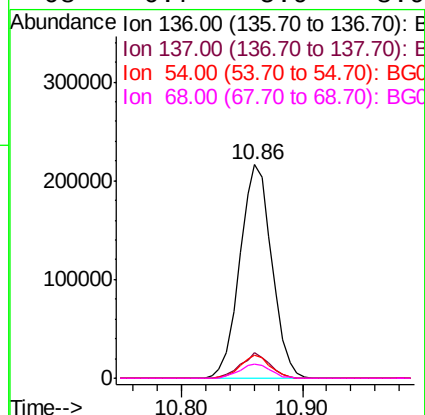
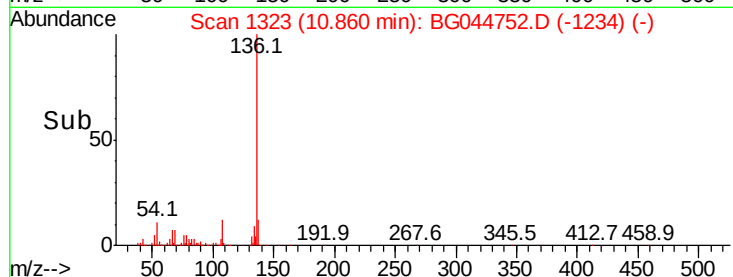
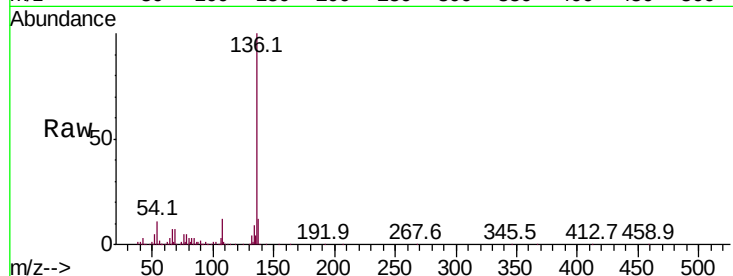




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044752.D
Acq: 13 Mar 2020 2:46

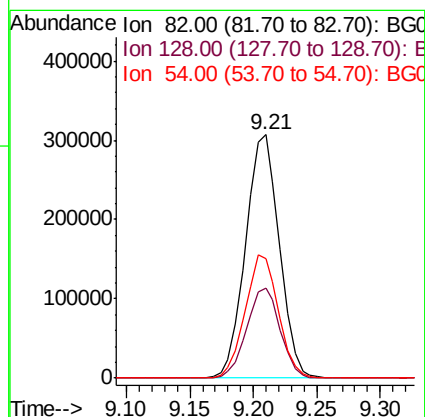
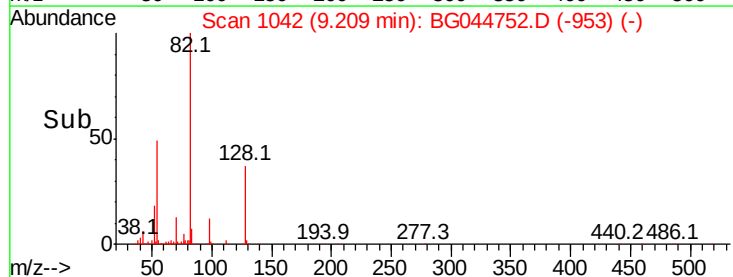
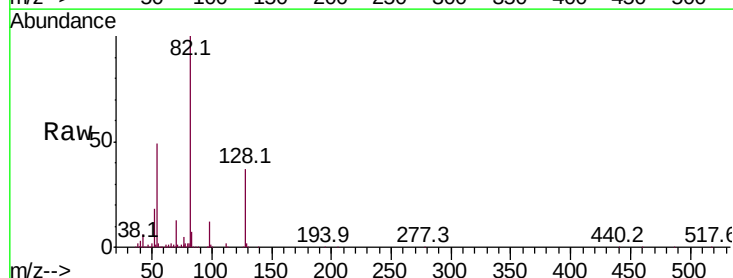
Instrument :
BNA_G
ClientSampleId :

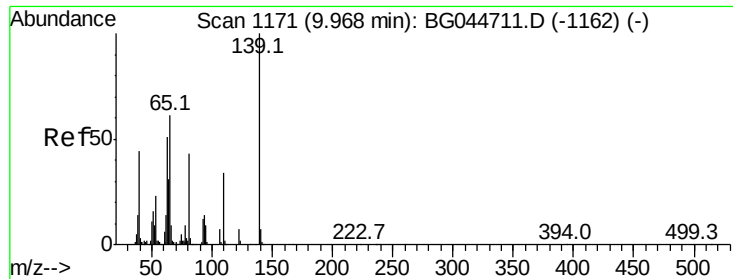
Tot Ion:136	Resp:	397365
Ion Ratio	Lower	Upper
136	100	
137	12.1	10.7 16.1
54	10.6	9.0 13.4
68	6.7	5.9 8.9



#23
Nitrobenzene-d5
Concen: 62.791 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044752.D
Acq: 13 Mar 2020 2:46

Tgt Ion: 82	Resp:	568598
Ion Ratio	Lower	Upper
82	100	
128	37.1	30.2 45.2
54	49.3	41.8 62.8





#26

2-Nitrophenol

Concen: 5.531 ng

RT: 10.07 min Scan# 1189

Delta R.T. 0.11 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Instrument :

BNA_G

ClientSampled :

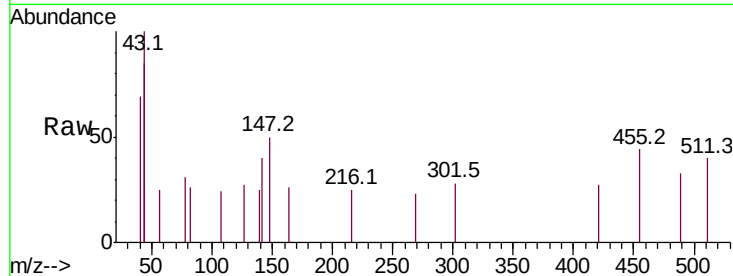
Tot Ion:139 Resp: 60

Ion Ratio Lower Upper

139 100

109 0.0 27.0 40.4#

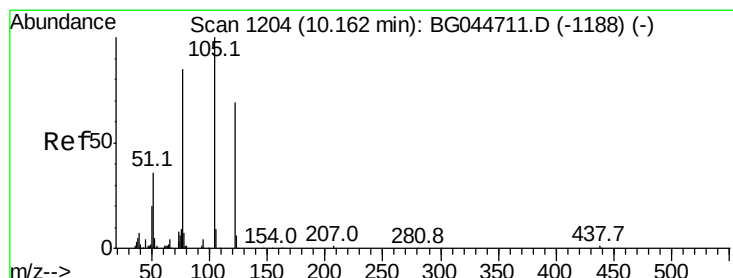
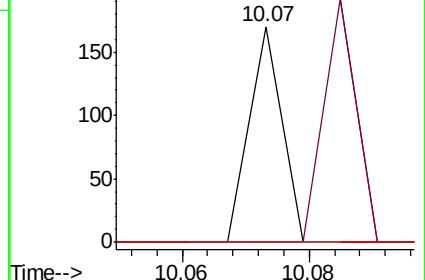
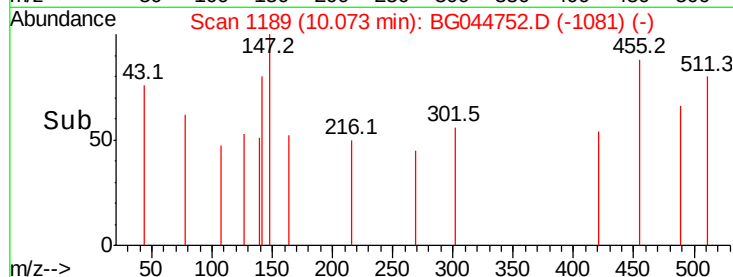
65 0.0 48.6 73.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#32

Benzoic acid

Concen: 9.681 ng

RT: 10.14 min Scan# 1201

Delta R.T. -0.02 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

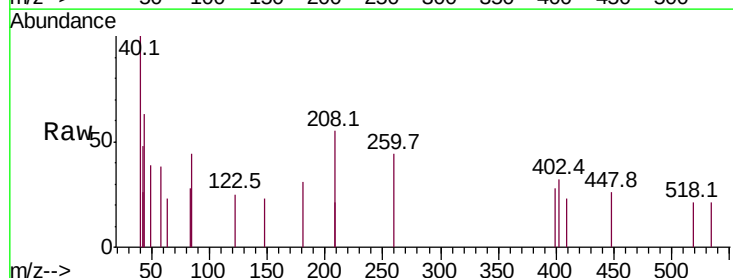
Tgt Ion:122 Resp: 65

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

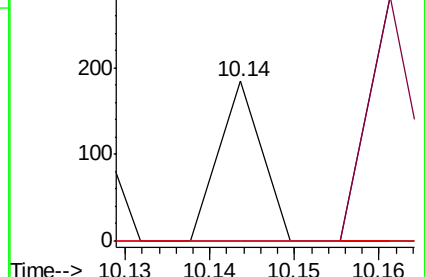
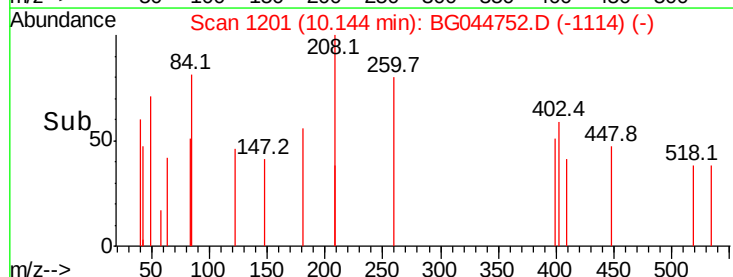
77 0.0 96.4 136.4#

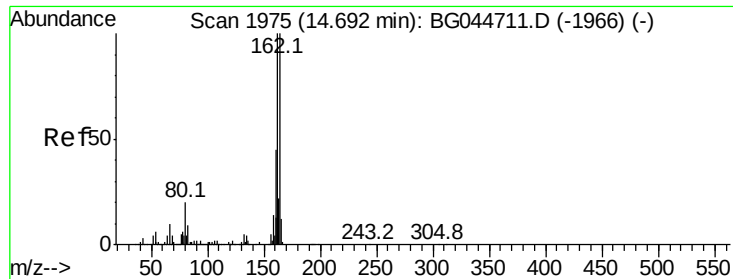


Abundance Ion 122.00 (121.70 to 122.70): E

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: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Instrument :

BNA_G

ClientSampleId :

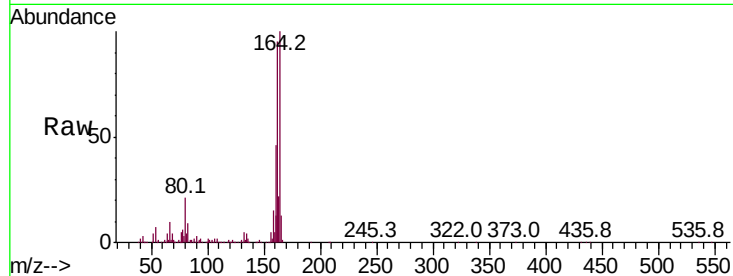
Tot Ion:164 Resp: 273551

Ion Ratio Lower Upper

164 100

162 94.7 80.2 120.4

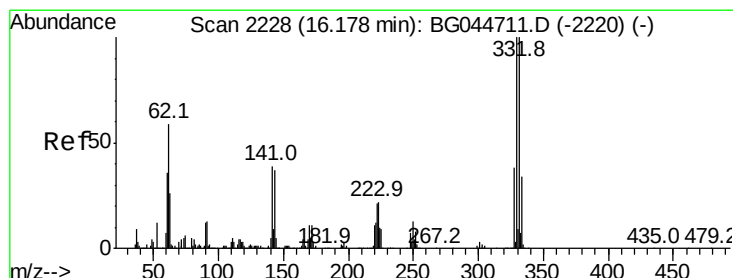
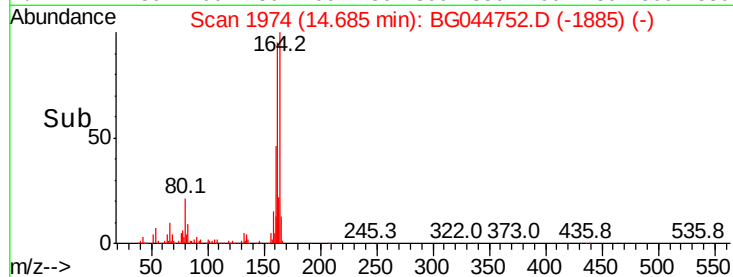
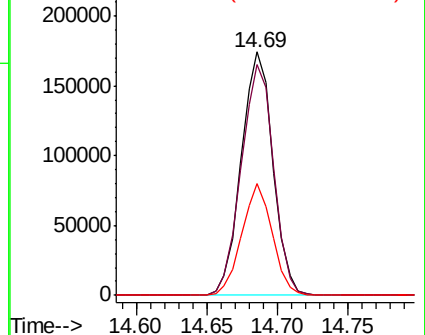
160 45.7 36.2 54.2



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: 91.430 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

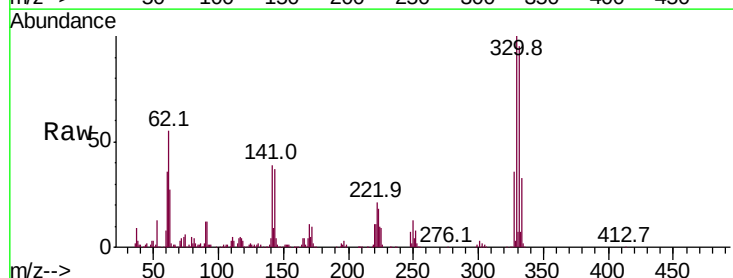
Tgt Ion:330 Resp: 327479

Ion Ratio Lower Upper

330 100

332 95.4 77.5 116.3

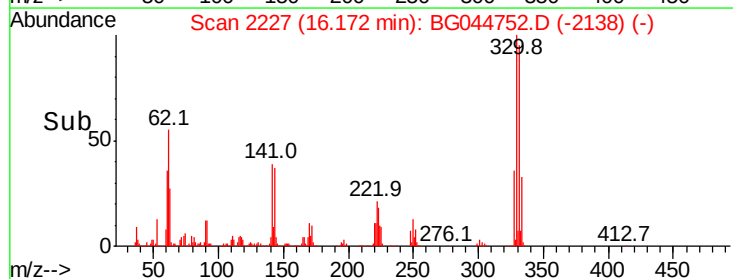
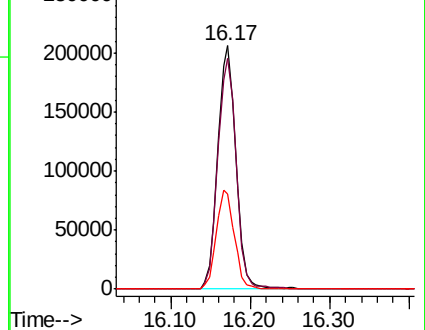
141 40.5 31.7 47.5

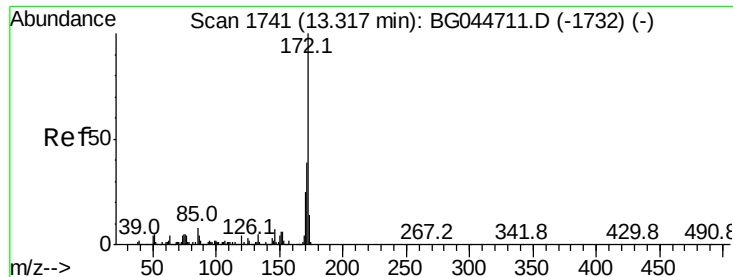


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 63.138 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Instrument :

BNA_G

ClientSampled :

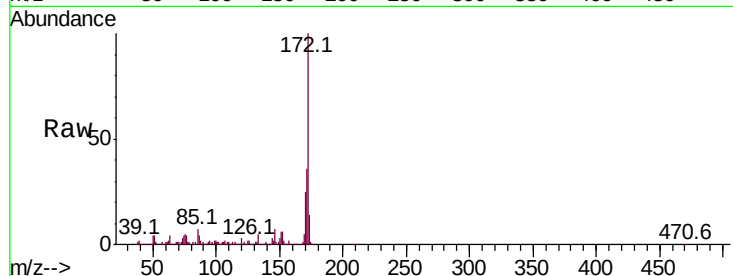
Tot Ion:172 Resp: 1206074

Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.8	46.2
170	25.5	20.0	30.0

172 100

171 35.7 30.8 46.2

170 25.5 20.0 30.0

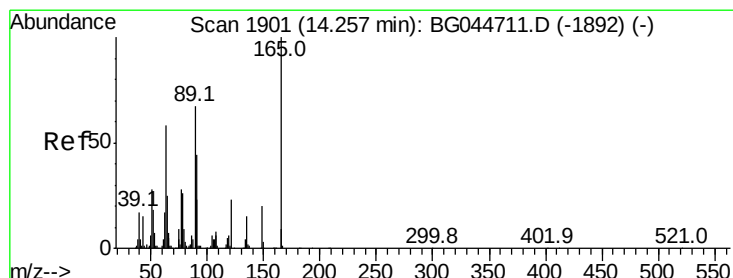
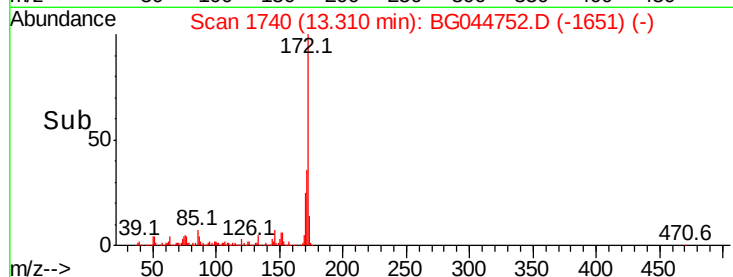
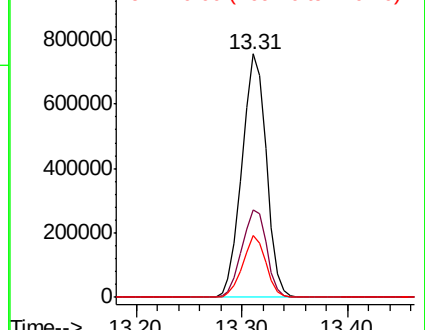


Abundance

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



#51

2,6-Dinitrotoluene

Concen: 7.824 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.43 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

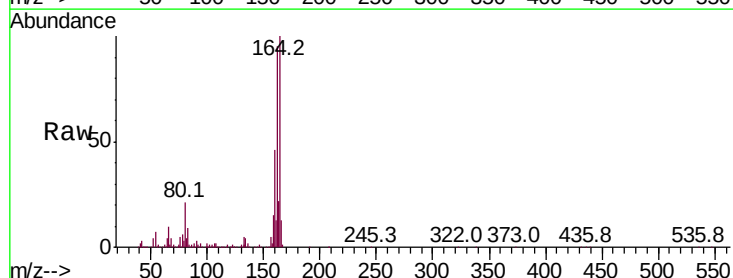
Tgt Ion:165 Resp: 34359

Ion	Ratio	Lower	Upper
165	100		
63	1.1	48.9	73.3#
89	1.5	53.8	80.8#

165 100

63 1.1 48.9 73.3#

89 1.5 53.8 80.8#

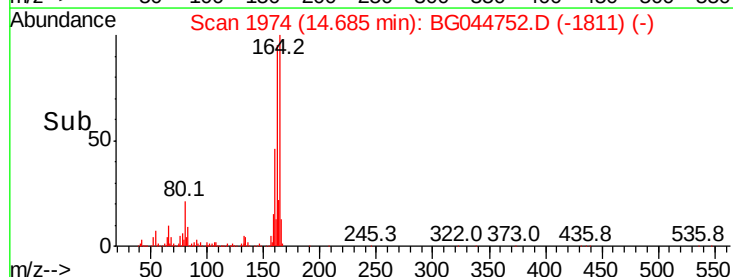
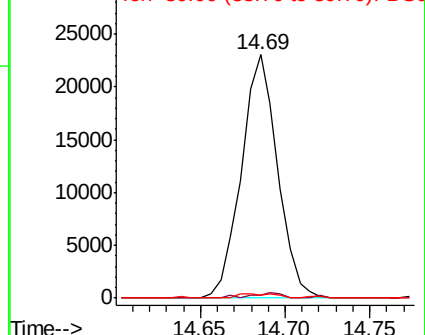


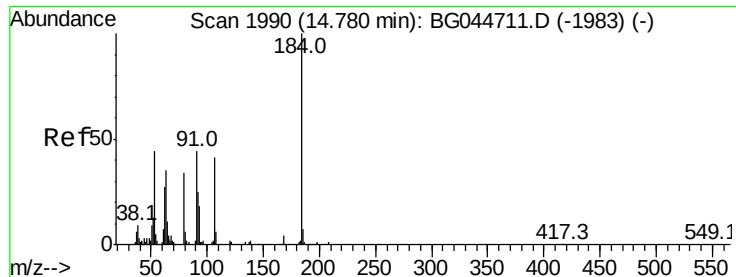
Abundance

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

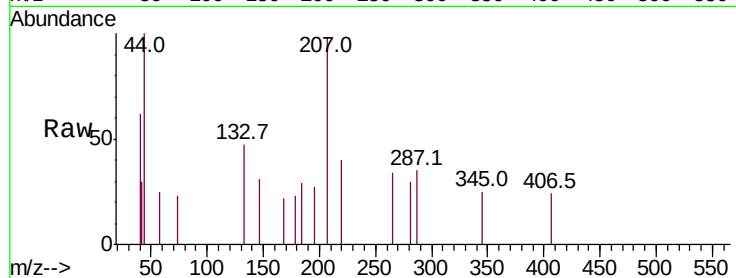




#54
2,4-Dinitrophenol
Concen: 8.350 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.17 min
Lab File: BG044752.D
Acq: 13 Mar 2020 2:46

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.0	73.6#
154	0.0	94.5	141.7#

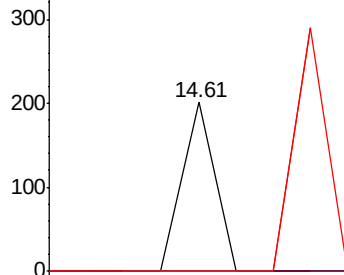


Abundance

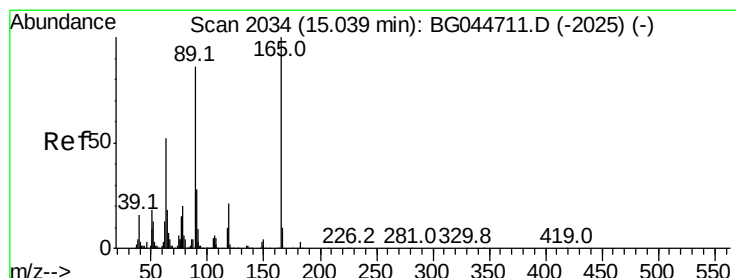
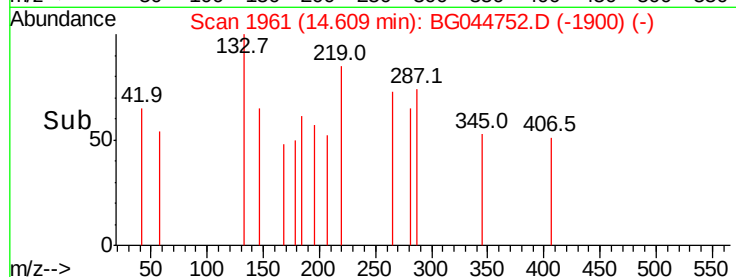
Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

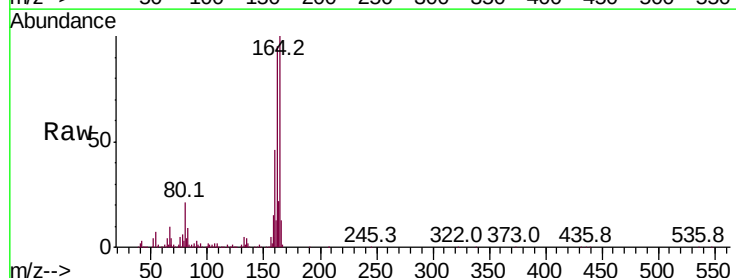


Time-->



#57
2,4-Dinitrotoluene
Concen: 5.705 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044752.D
Acq: 13 Mar 2020 2:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.5	62.3#
89	1.5	69.0	103.4#
182	0.0	2.7	4.1#



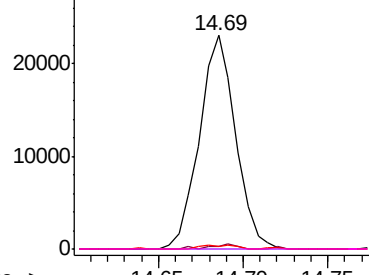
Abundance

Ion 165.00 (164.70 to 165.70): E

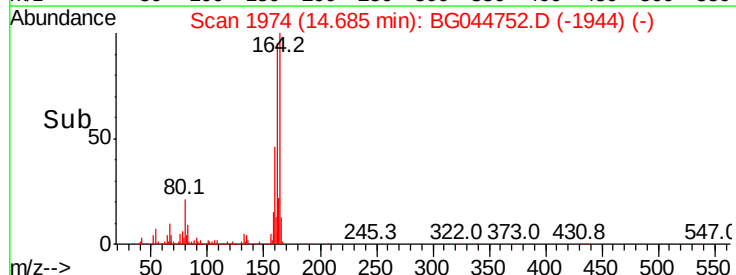
Ion 63.00 (62.70 to 63.70): BG

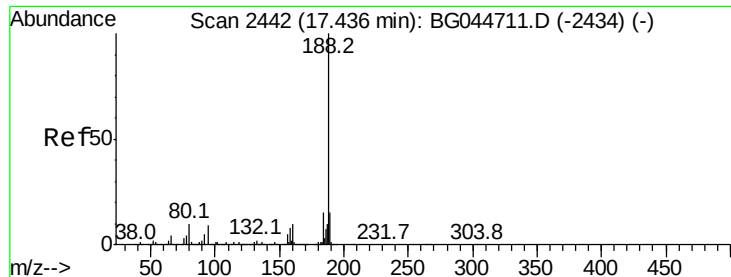
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Instrument :

BNA_G

ClientSampleId :

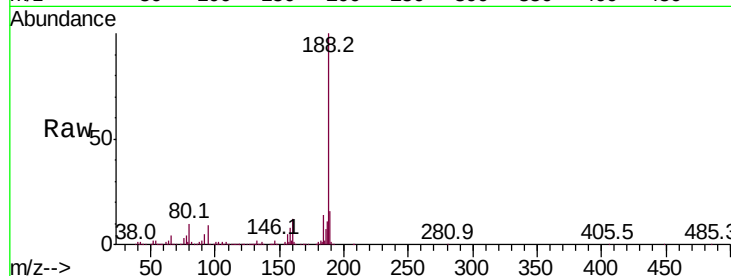
Tot Ion:188 Resp: 623871

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

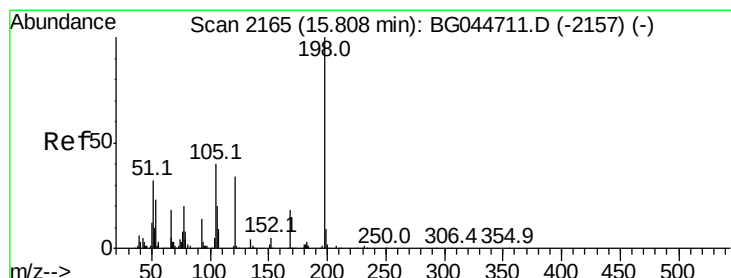
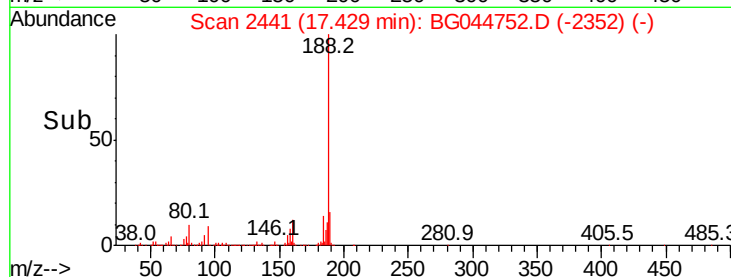
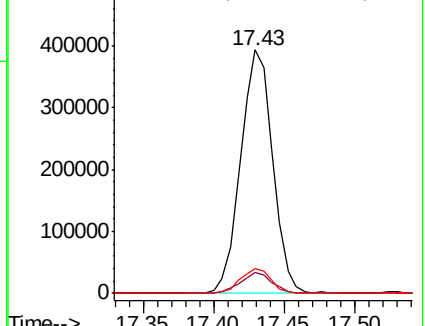
80 10.3 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.752 ng

RT: 15.73 min Scan# 2151

Delta R.T. -0.08 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

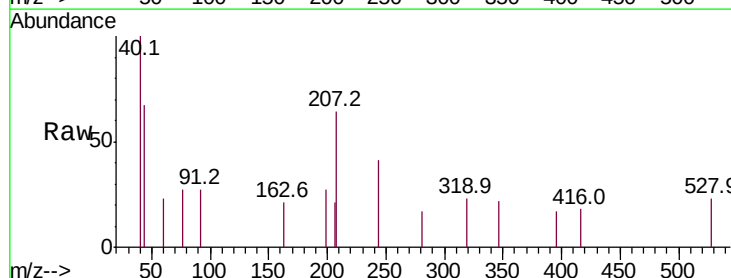
Tgt Ion:198 Resp: 84

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

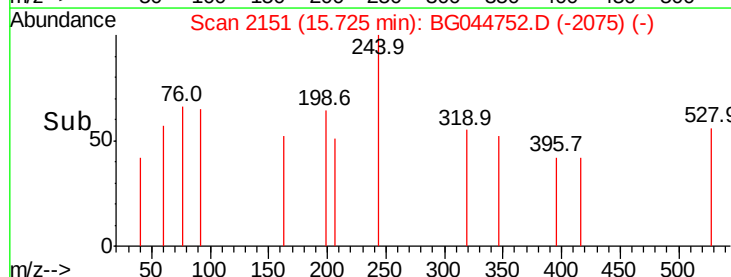
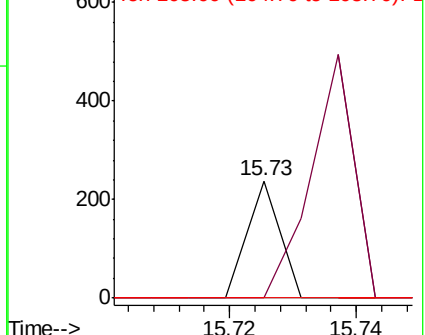
105 0.0 21.3 61.3#

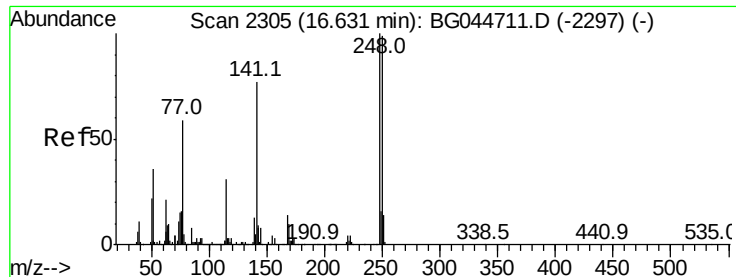


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

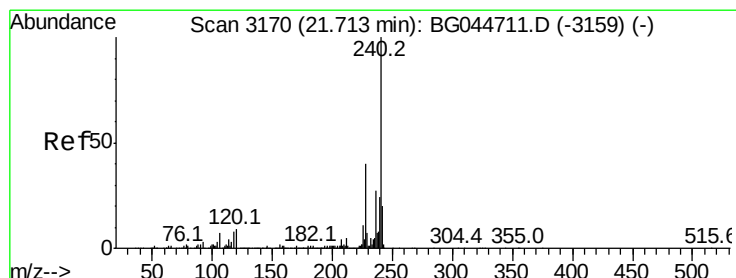
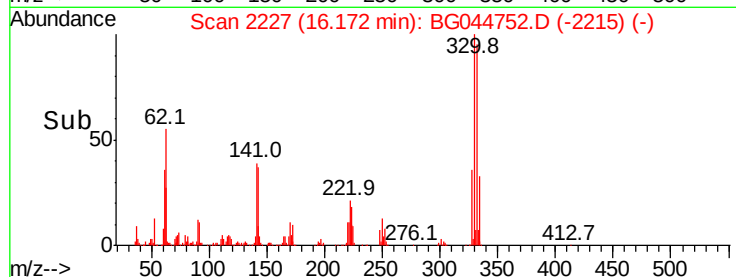
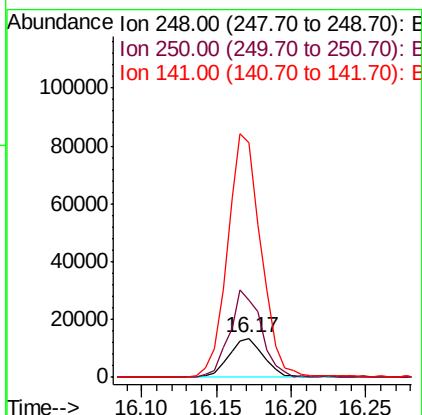
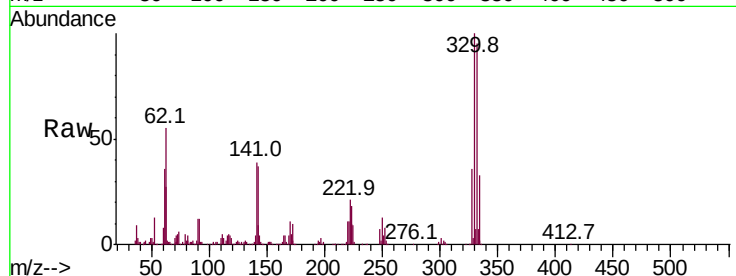




#67
 4-Bromophenyl-phenylether
 Concen: 2.831 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG044752.D
 Acq: 13 Mar 2020 2:46

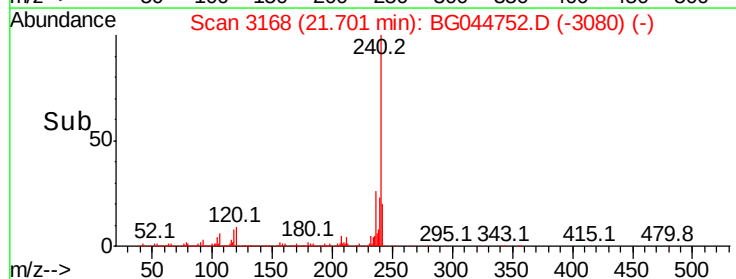
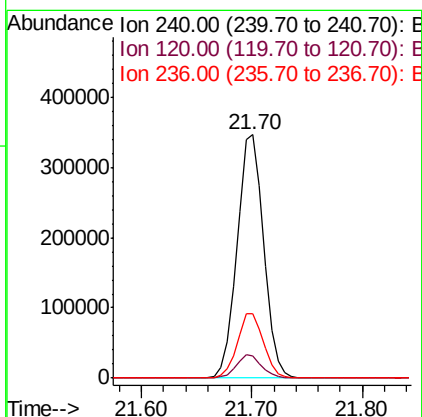
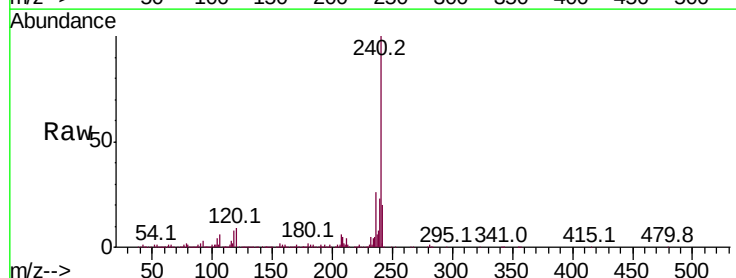
Instrument :
 BNA_G
 ClientSampled :

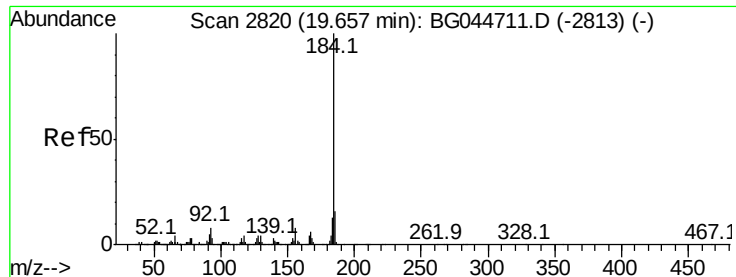
Tot Ion:248 Resp: 22083
 Ion Ratio Lower Upper
 248 100
 250 197.9 79.4 119.0#
 141 597.6 61.7 92.5#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG044752.D
 Acq: 13 Mar 2020 2:46

Tgt Ion:240 Resp: 588092
 Ion Ratio Lower Upper
 240 100
 120 9.3 6.9 10.3
 236 26.3 21.9 32.9





#77

Benzidine

Concen: 2.030 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Instrument :

BNA_G

ClientSampleId :

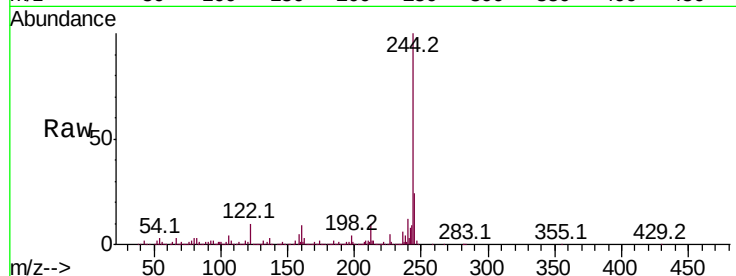
Tot Ion:184 Resp: 38758

Ion Ratio Lower Upper

184 100

185 16.5 12.9 19.3

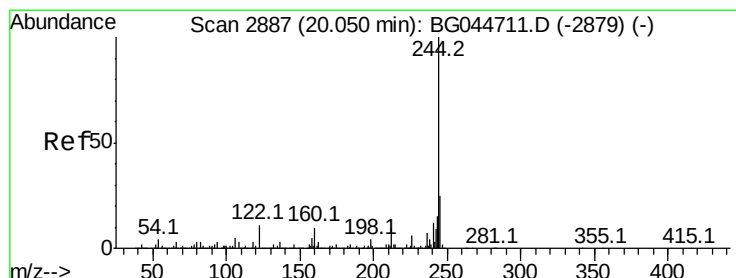
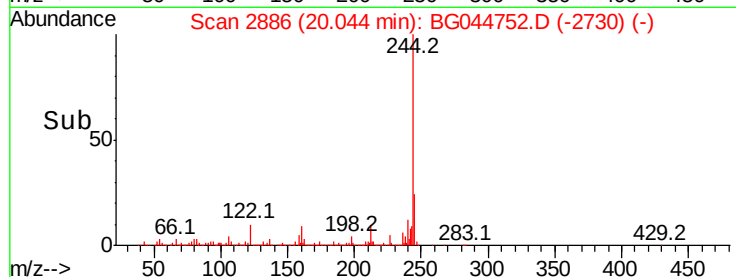
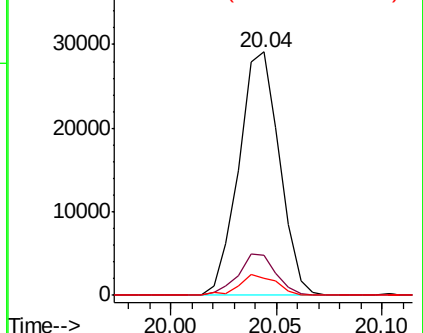
183 6.9 10.6 15.8#



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: 62.844 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

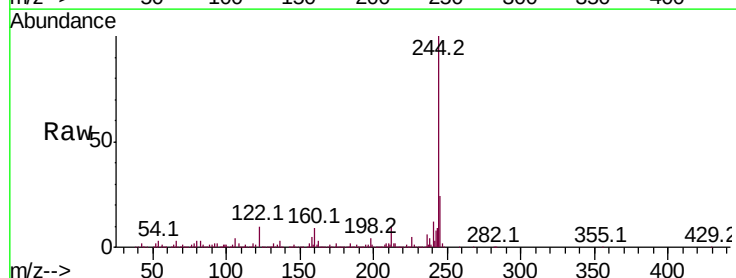
Tgt Ion:244 Resp: 1975780

Ion Ratio Lower Upper

244 100

212 9.8 8.4 12.6

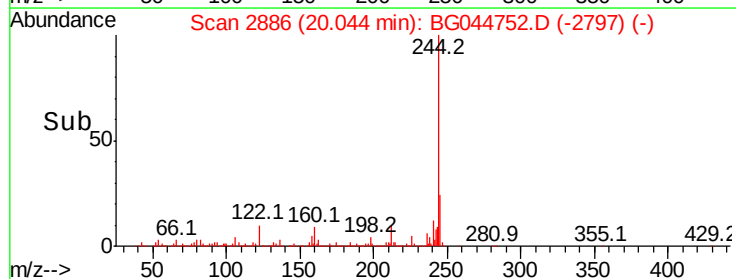
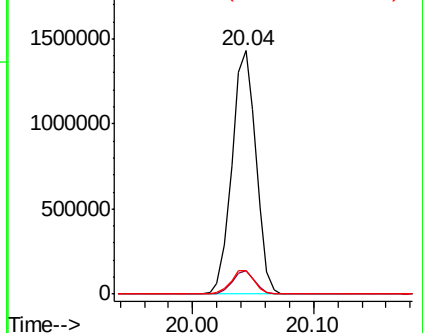
122 9.5 8.7 13.1

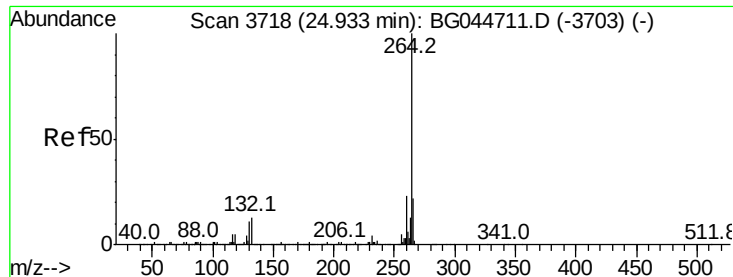


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

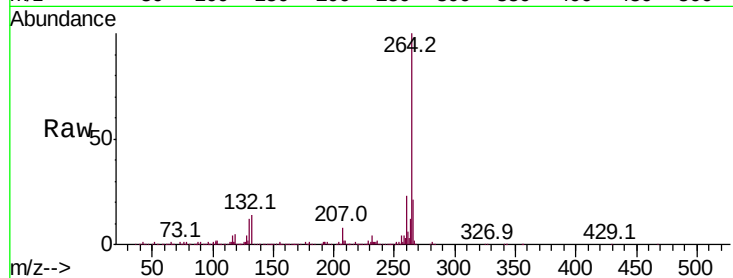




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3715
 Delta R.T. -0.02 min
 Lab File: BG044752.D
 Acq: 13 Mar 2020 2:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.4	27.6
265	21.1	17.4	26.2



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

