

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044755.D
 Acq On : 13 Mar 2020 4:45
 Operator : CG/JU
 Sample : L1853-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:11:15 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	98641	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	392315	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	266303	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	599531	20.00	ng	0.00
76) Chrysene-d12	21.70	240	569801	20.00	ng	-0.01
87) Perylene-d12	24.91	264	651944	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	750765	118.48	ng	0.00
7) Phenol-d6	7.21	99	983385	106.81	ng	0.00
23) Nitrobenzene-d5	9.21	82	807164	90.28	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	480970	137.94	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1642897	88.35	ng	0.00
79) Terphenyl-d14	20.04	244	2732142	89.69	ng	0.00

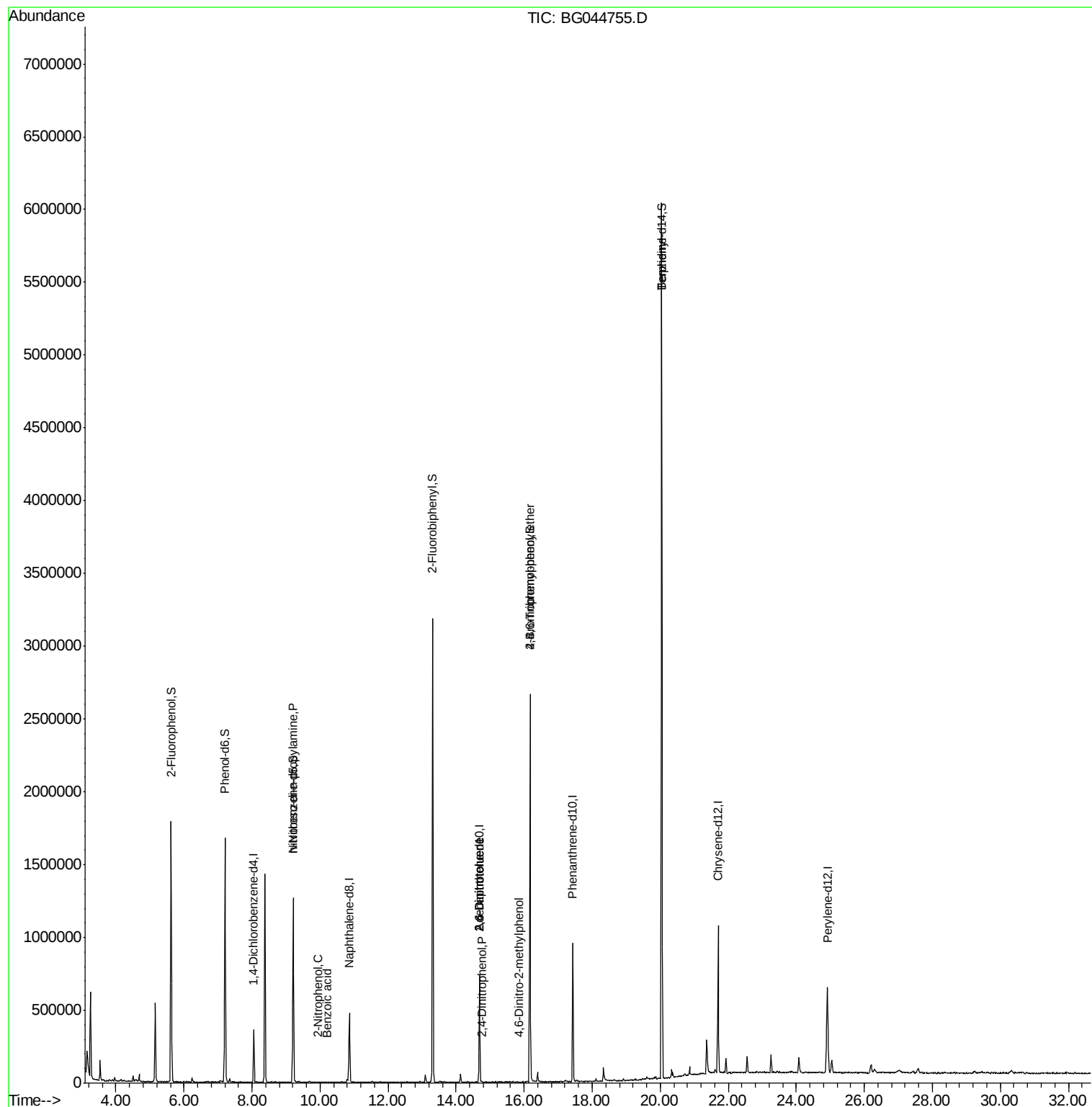
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	2205	Below Cal		# 16
19) n-Nitroso-di-n-propylamine	9.20	70	109337	16.819	ng	# 75
26) 2-Nitrophenol	9.96	139	127	5.550	ng	# 28
32) Benzoic acid	10.20	122	61	9.681	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	34551	8.082	ng	# 20
54) 2,4-Dinitrophenol	14.76	184	62	8.348	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	34551	5.893	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.86	198	77	7.751	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	35122	4.686	ng	# 1
77) Benzidine	20.04	184	58782	3.178	ng	# 91

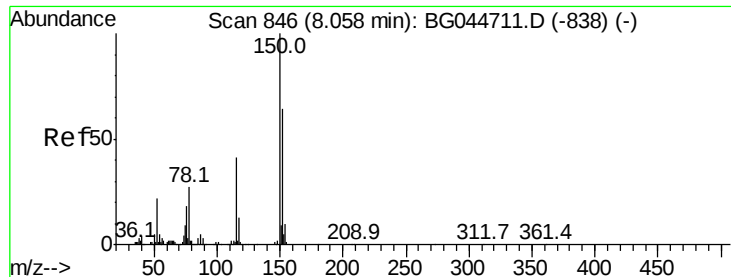
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
Data File : BG044755.D
Acq On : 13 Mar 2020 4:45
Operator : CG/JU
Sample : L1853-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 13 06:11:15 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



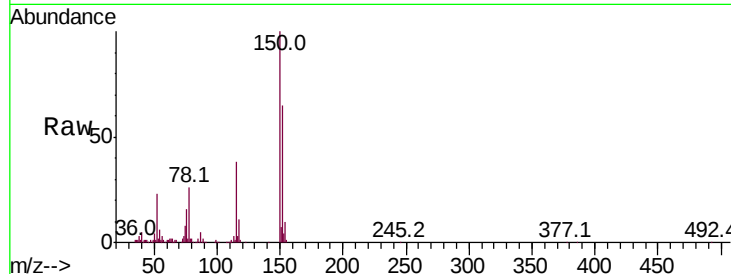


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.3	187.9
115	58.2	51.7	77.5

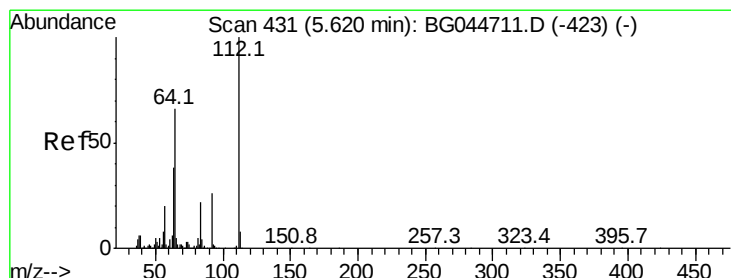
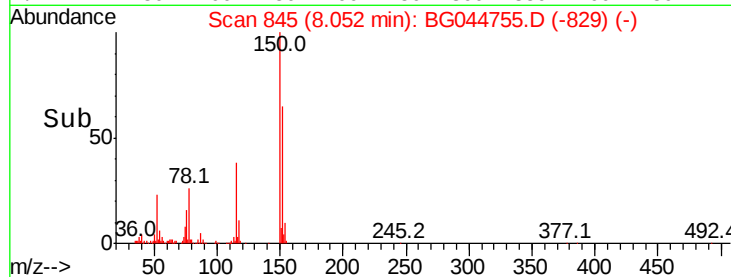
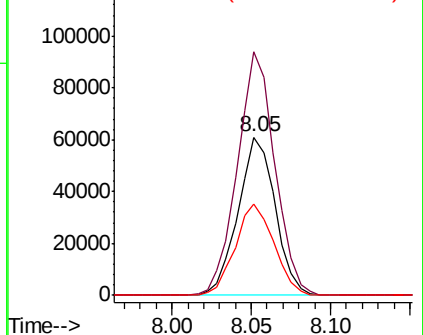


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

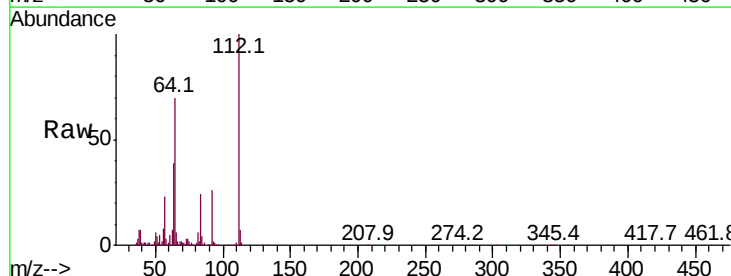
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.481 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.00 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	52.6	78.8
63	38.6	30.2	45.4

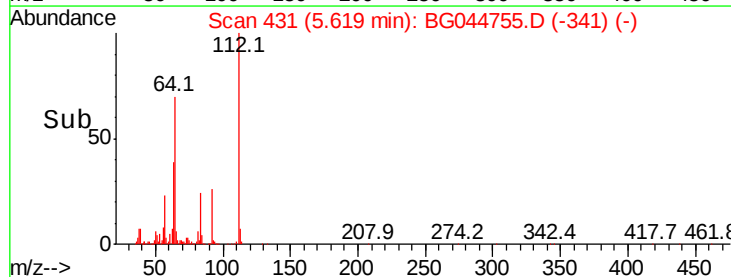
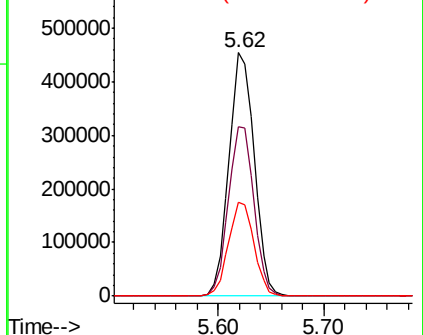


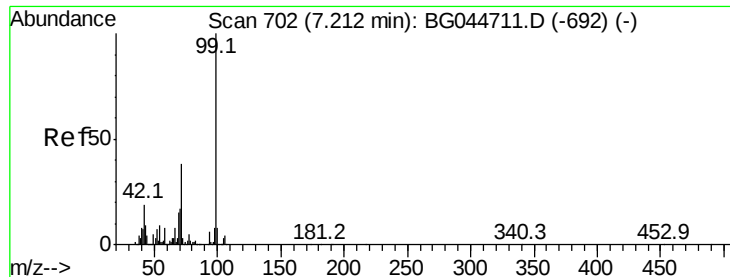
Abundance

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: 106.813 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044755.D

Acq: 13 Mar 2020 4:45

Instrument :

BNA_G

ClientSampleId :

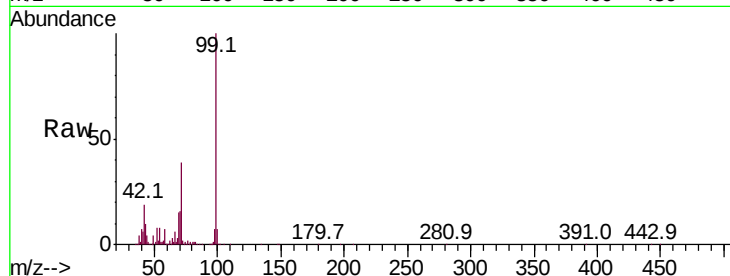
Tot Ion: 99 Resp: 983385

Ion Ratio Lower Upper

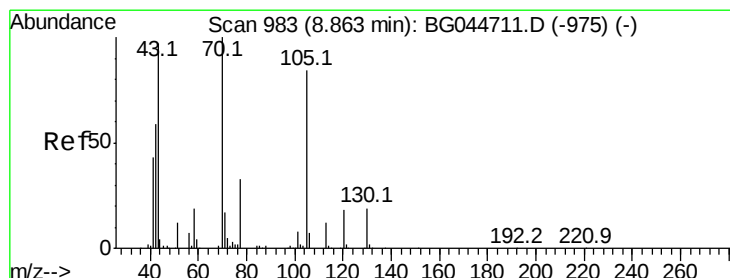
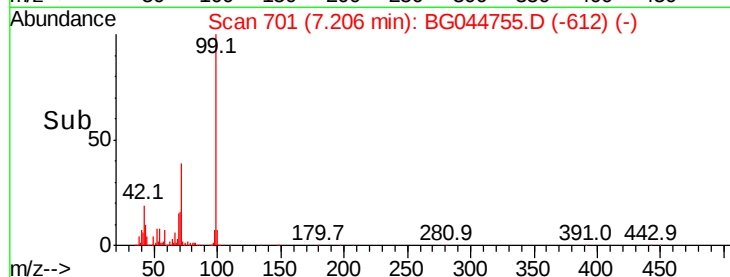
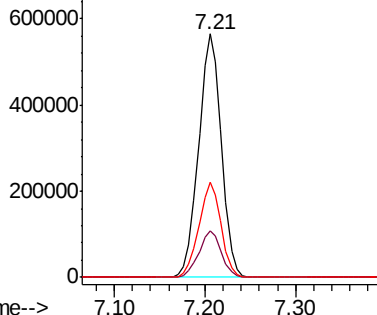
99 100

42 18.9 15.4 23.0

71 39.1 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: 16.819 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044755.D

Acq: 13 Mar 2020 4:45

Tgt Ion: 70 Resp: 109337

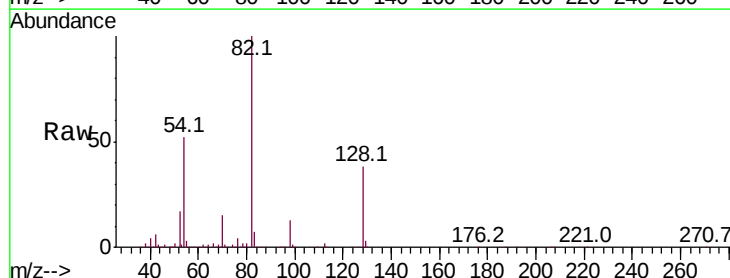
Ion Ratio Lower Upper

70 100

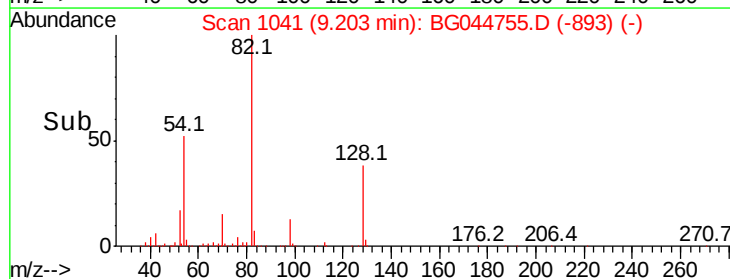
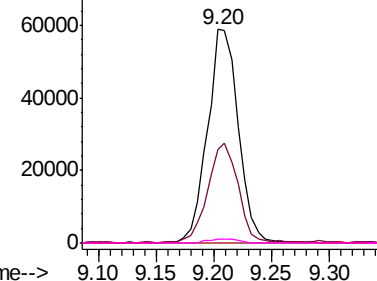
42 43.7 47.6 71.4#

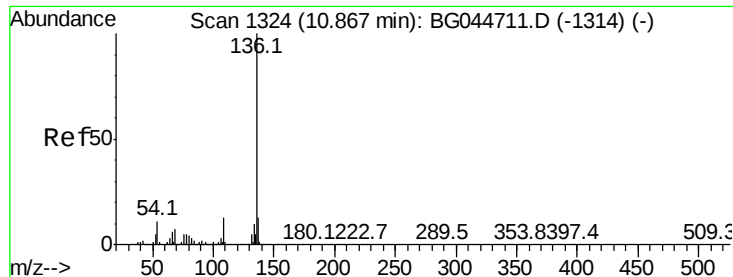
101 0.0 6.5 9.7#

130 1.7 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

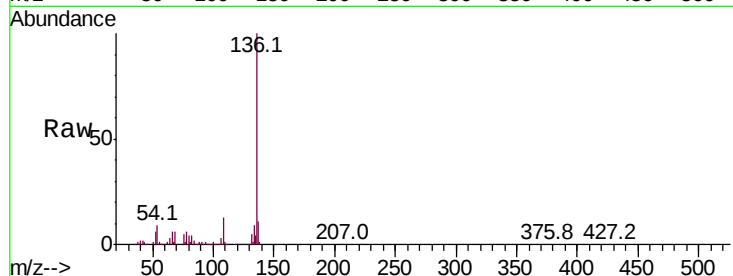




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	392315
Ion	Ratio	Lower	Upper
136	100		
137	11.4	10.7	16.1
54	8.8	9.0	13.4
68	6.5	5.9	8.9



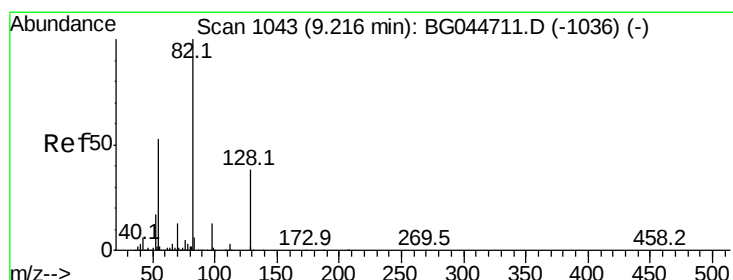
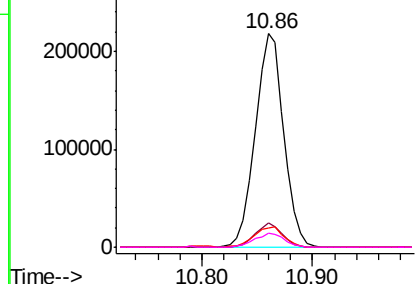
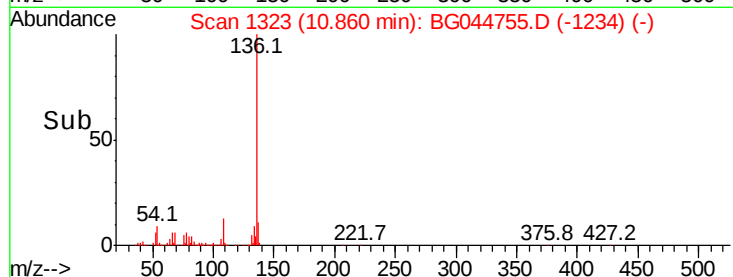
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

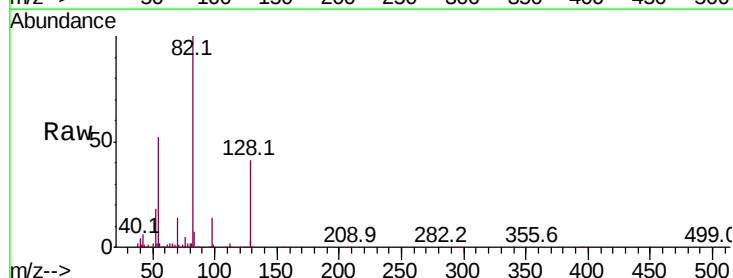
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 90.283 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Tgt Ion:	82	Resp:	807164
Ion	Ratio	Lower	Upper
82	100		
128	40.9	30.2	45.2
54	52.1	41.8	62.8

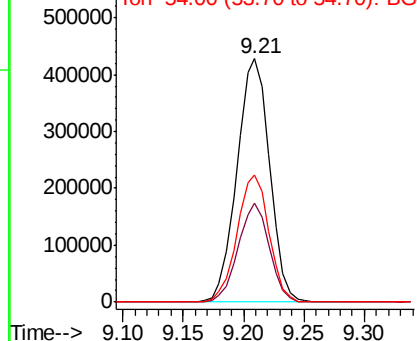
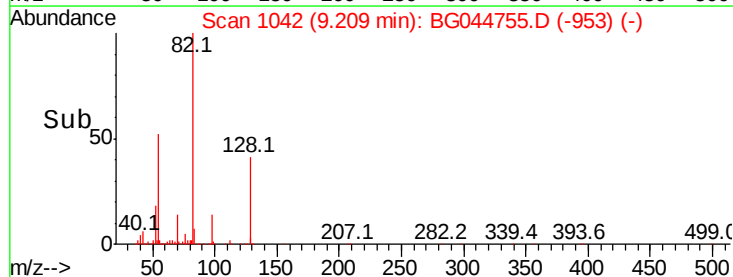


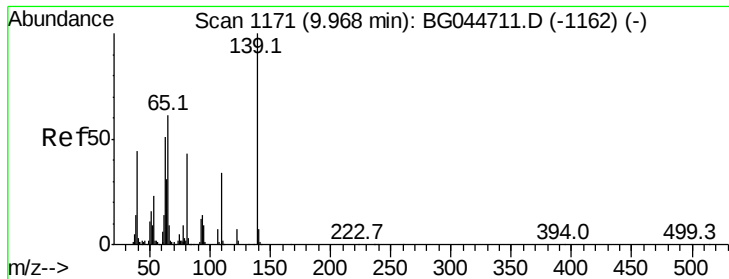
Abundance

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

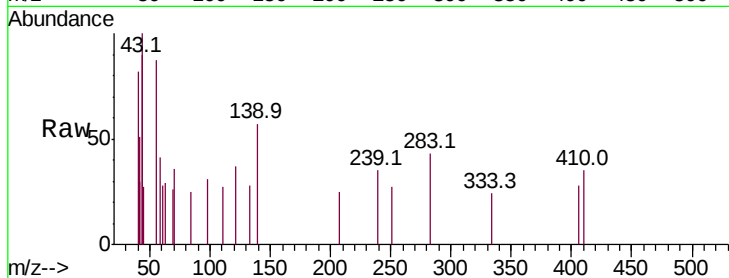




#26
2-Nitrophenol
Concen: 5.550 ng
RT: 9.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#

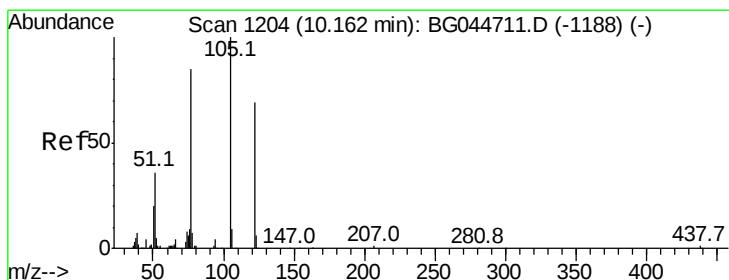
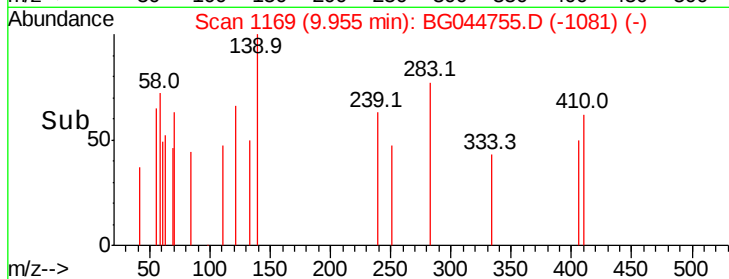
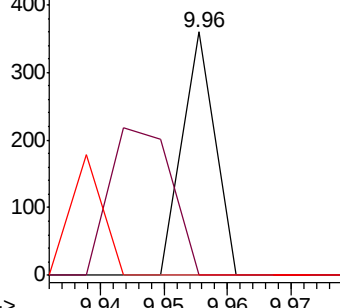


Abundance

Ion 139.00 (138.70 to 139.70): E

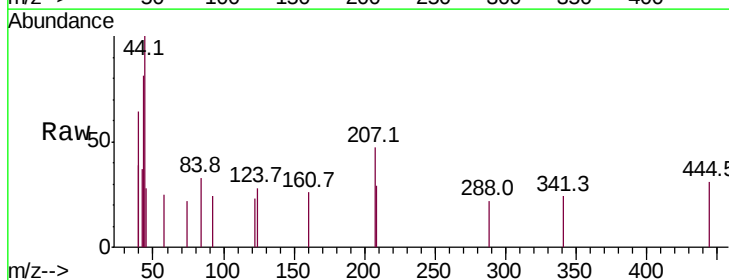
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#32
Benzoic acid
Concen: 9.681 ng
RT: 10.20 min Scan# 1211
Delta R.T. 0.04 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#

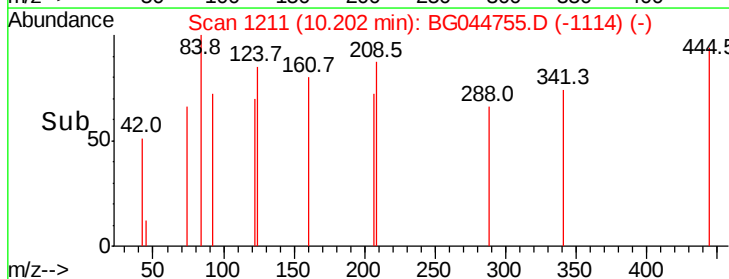
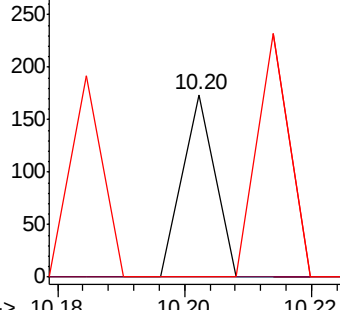


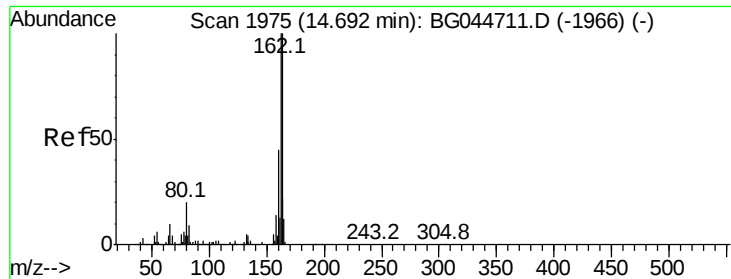
Abundance

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

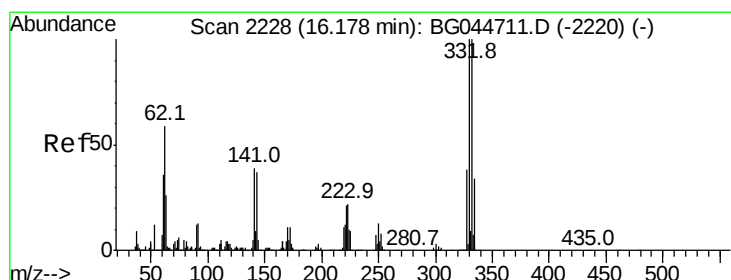
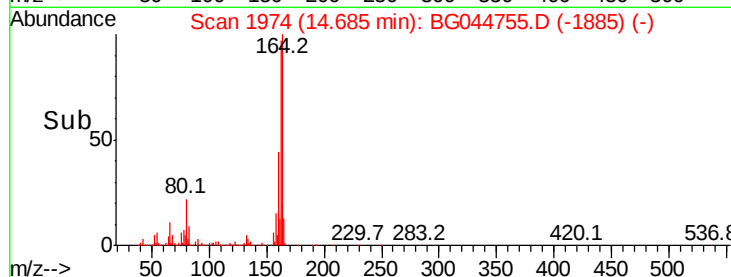
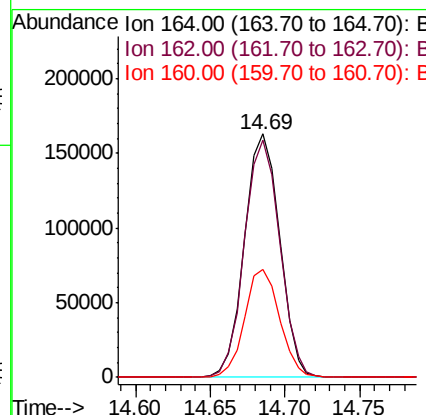
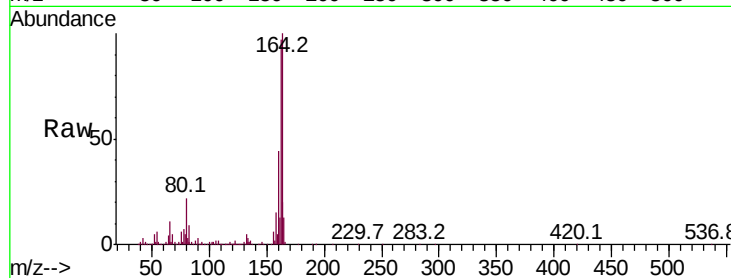




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

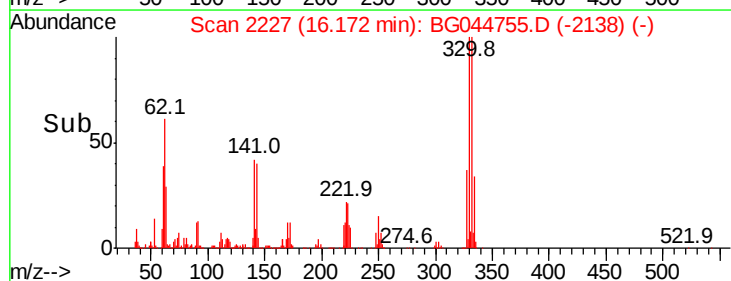
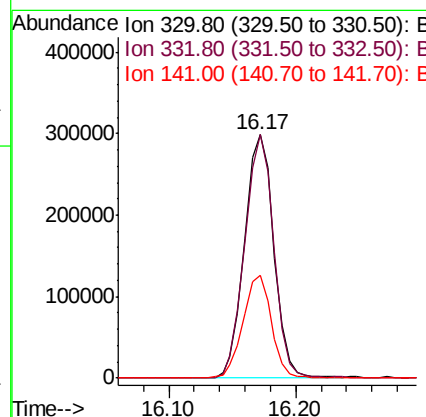
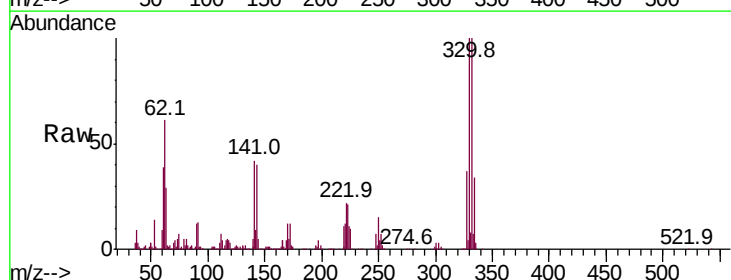
Instrument :
BNA_G
ClientSampleId :

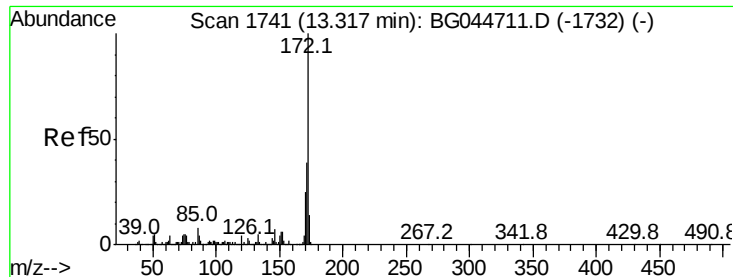
Tot Ion:164 Resp: 266303
Ion Ratio Lower Upper
164 100
162 97.3 80.2 120.4
160 44.4 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 137.939 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Tgt Ion:330 Resp: 480970
Ion Ratio Lower Upper
330 100
332 98.8 77.5 116.3
141 41.0 31.7 47.5





#45

2-Fluorobiphenyl

Concen: 88.346 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044755.D

Acq: 13 Mar 2020 4:45

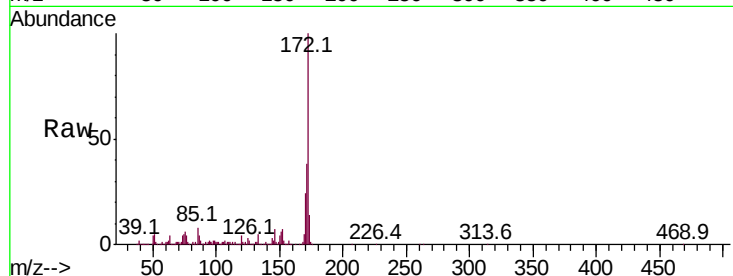
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1642897

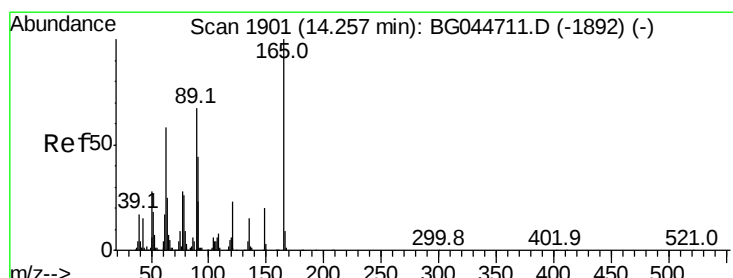
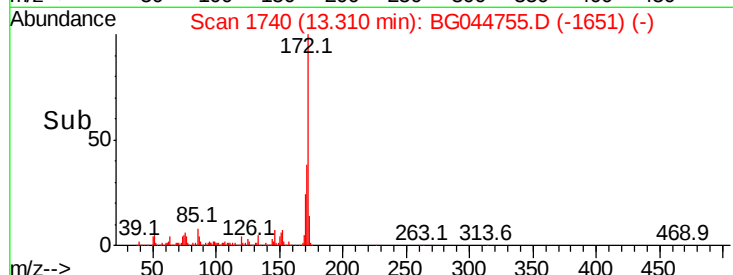
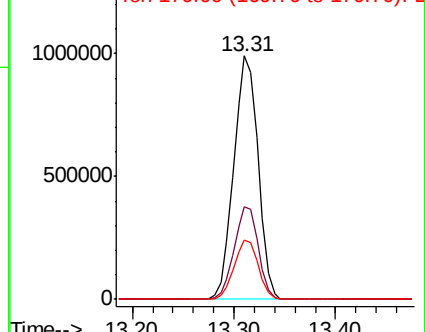
Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.8	46.2
170	24.3	20.0	30.0



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: 8.082 ng

RT: 14.69 min Scan# 1974

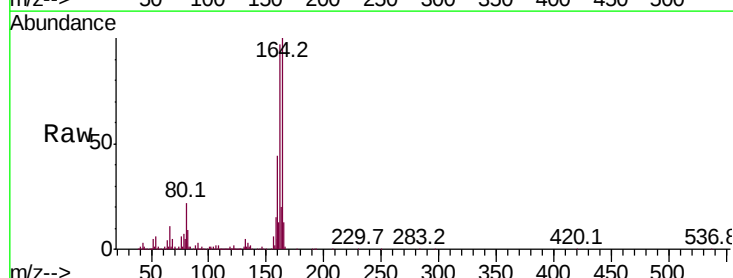
Delta R.T. 0.43 min

Lab File: BG044755.D

Acq: 13 Mar 2020 4:45

Tgt Ion:165 Resp: 34551

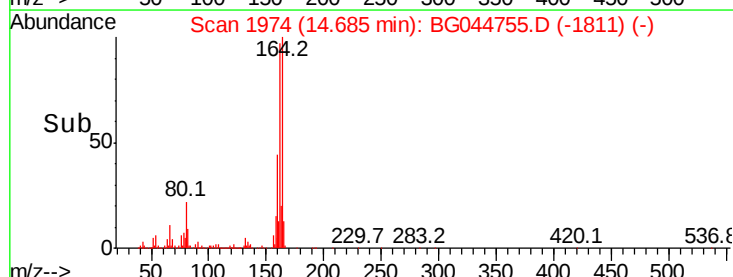
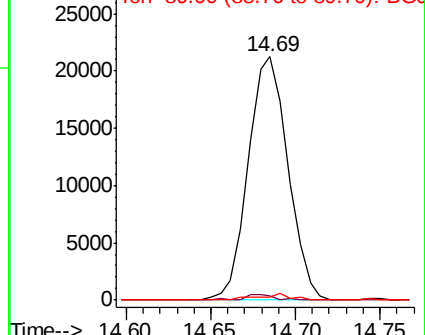
Ion	Ratio	Lower	Upper
165	100		
63	1.7	48.9	73.3#
89	1.5	53.8	80.8#

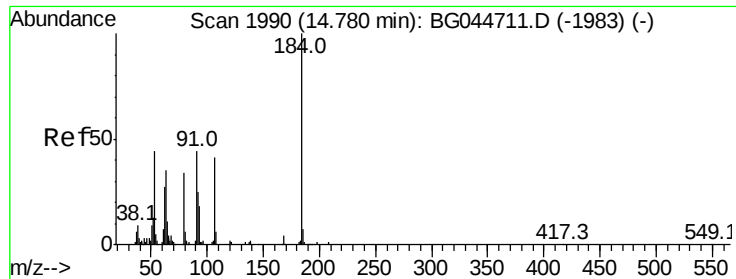


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

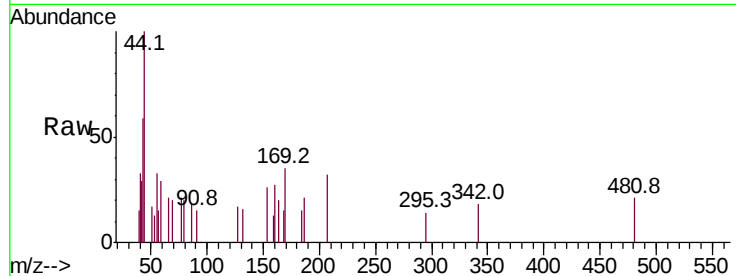




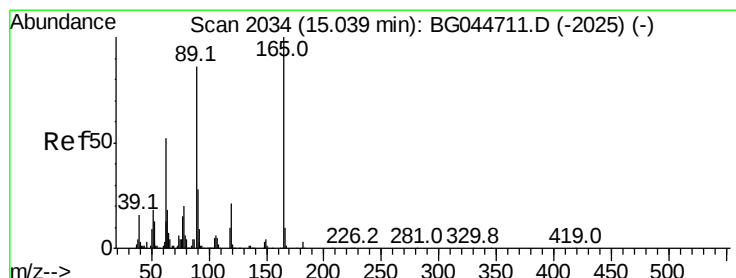
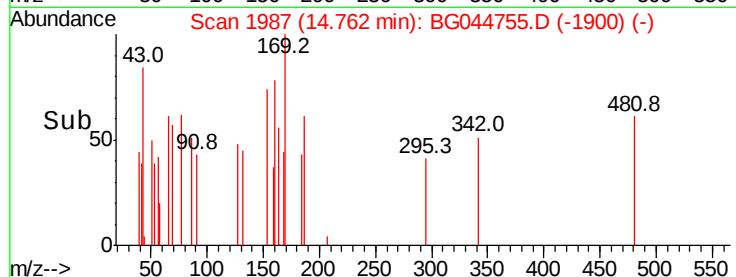
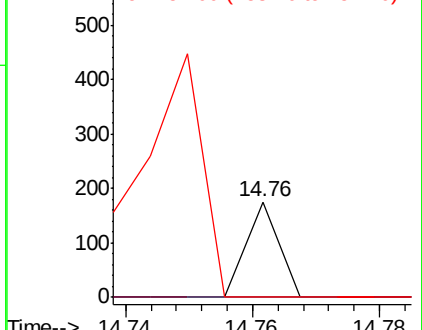
#54
2,4-Dinitrophenol
Concen: 8.348 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.02 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#

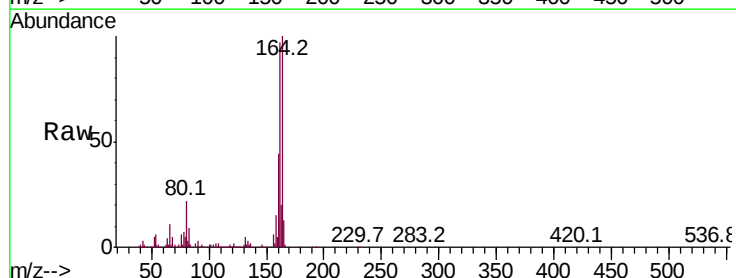


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

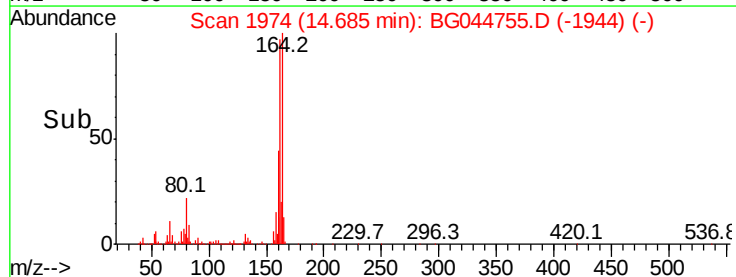
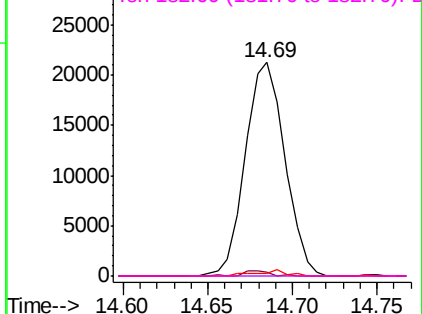


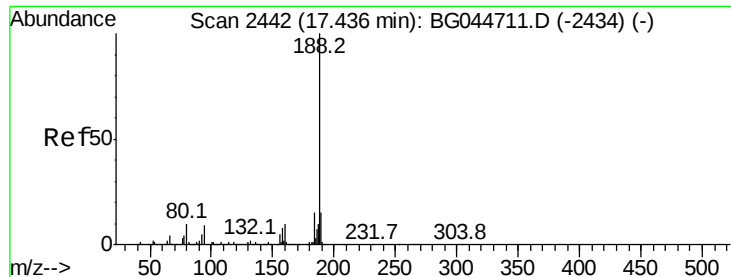
#57
2,4-Dinitrotoluene
Concen: 5.893 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Tgt Ion:165 Resp: 34551
Ion Ratio Lower Upper
165 100
63 1.7 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044755.D

Acq: 13 Mar 2020 4:45

Instrument :

BNA_G

ClientSampleId :

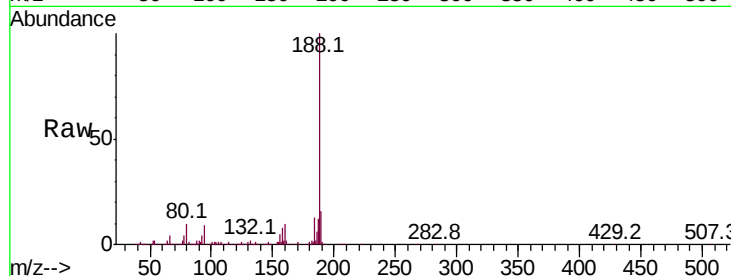
Tot Ion:188 Resp: 599531

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): BG0

Ion 80.00 (79.70 to 80.70): BG0

400000

300000

200000

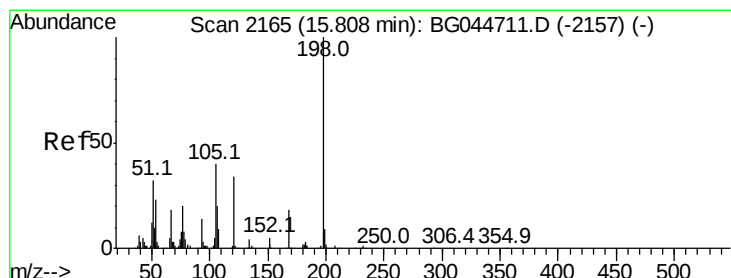
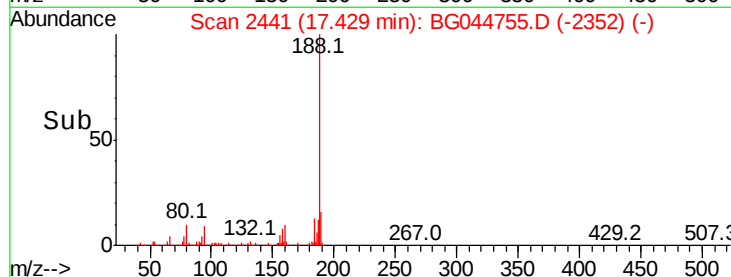
100000

0

17.43

17.40 17.50

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.751 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.05 min

Lab File: BG044755.D

Acq: 13 Mar 2020 4:45

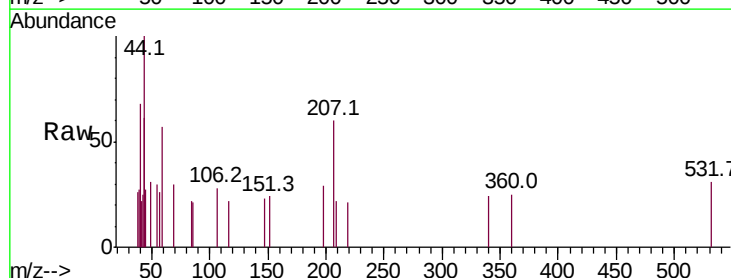
Tgt Ion:198 Resp: 77

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): BG0

Ion 105.00 (104.70 to 105.70): E

300

200

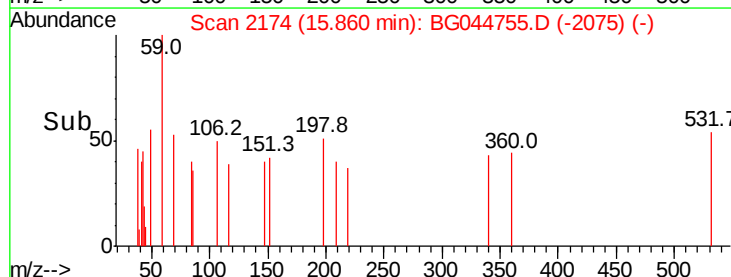
100

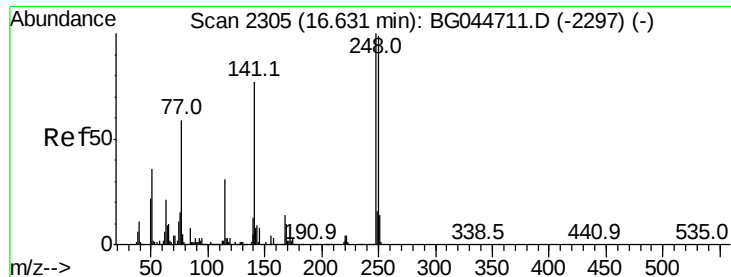
0

15.86

15.84 15.86

Time-->

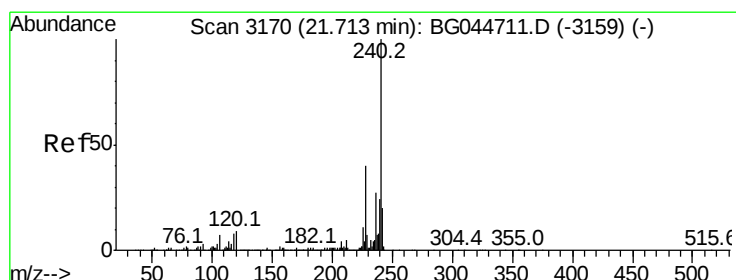
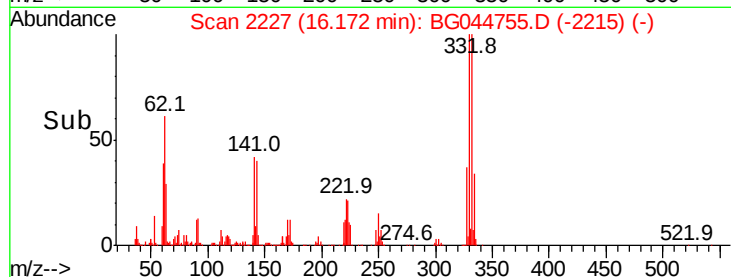
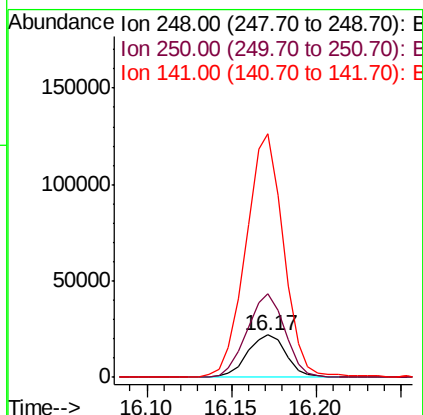
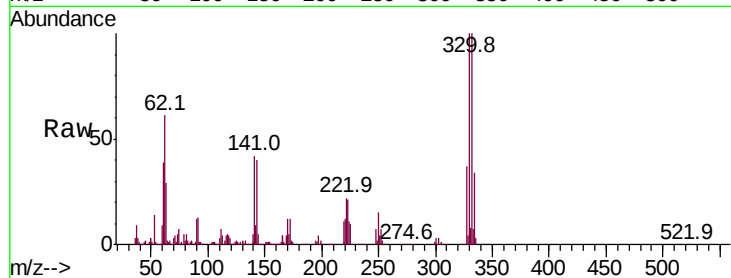




#67
4-Bromophenyl-phenylether
Concen: 4.686 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.46 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

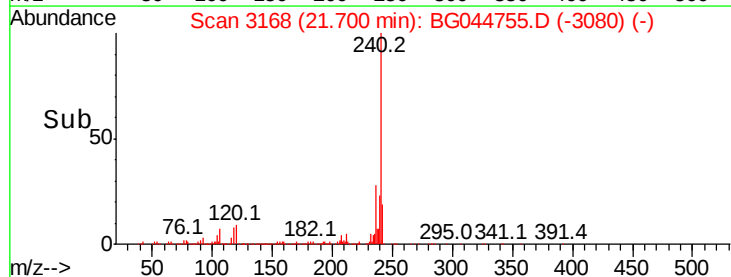
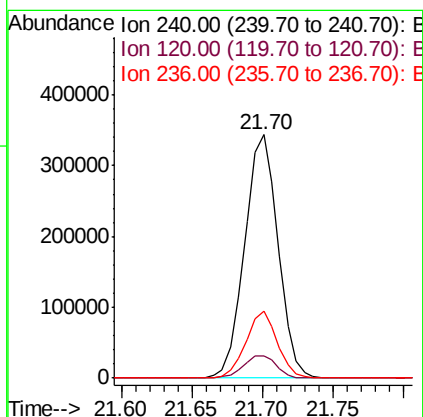
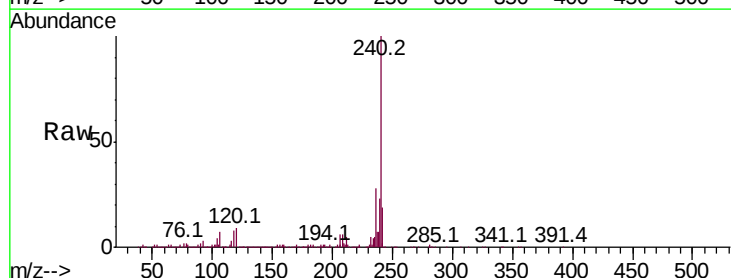
Instrument :
BNA_G
ClientSampleId :

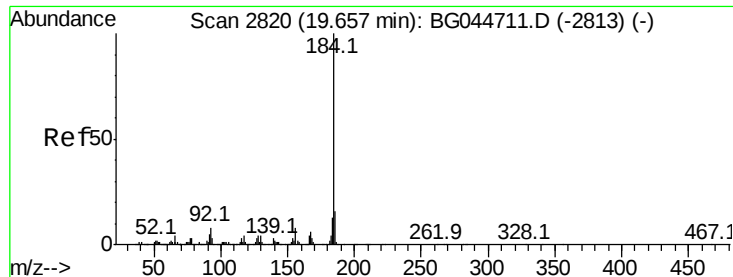
Tot Ion:248 Resp: 35122
Ion Ratio Lower Upper
248 100
250 196.6 79.4 119.0#
141 572.3 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044755.D
Acq: 13 Mar 2020 4:45

Tgt Ion:240 Resp: 569801
Ion Ratio Lower Upper
240 100
120 9.1 6.9 10.3
236 27.7 21.9 32.9





#77

Benzidine

Concen: 3.178 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044755.D

Acq: 13 Mar 2020 4:45

Instrument :

BNA_G

ClientSampleId :

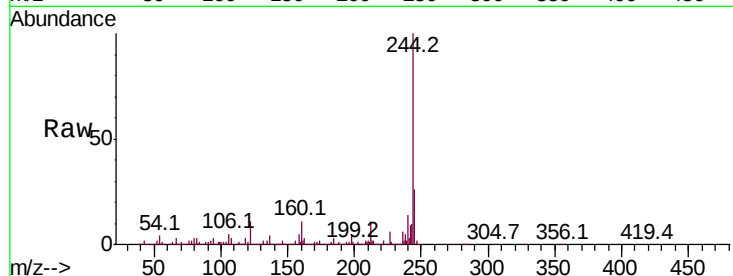
Tot Ion:184 Resp: 58782

Ion Ratio Lower Upper

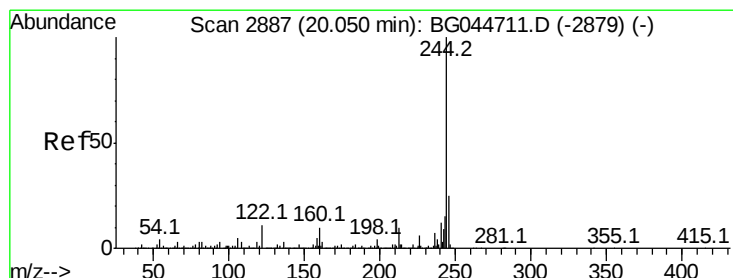
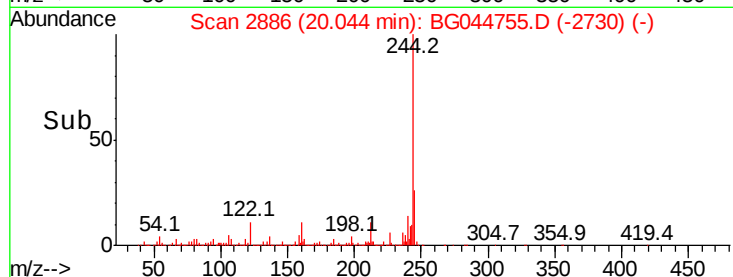
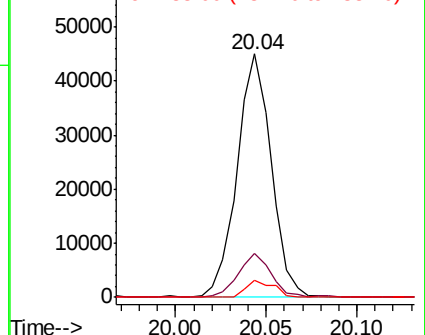
184 100

185 17.8 12.9 19.3

183 7.3 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: 89.691 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044755.D

Acq: 13 Mar 2020 4:45

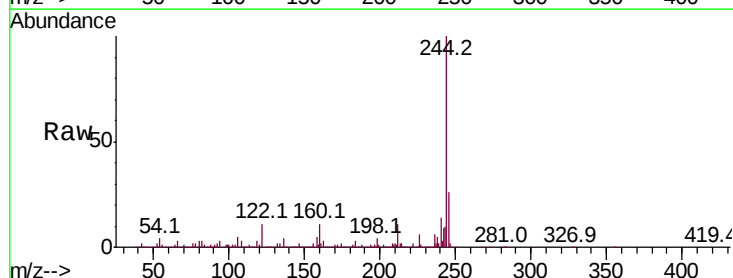
Tgt Ion:244 Resp: 2732142

Ion Ratio Lower Upper

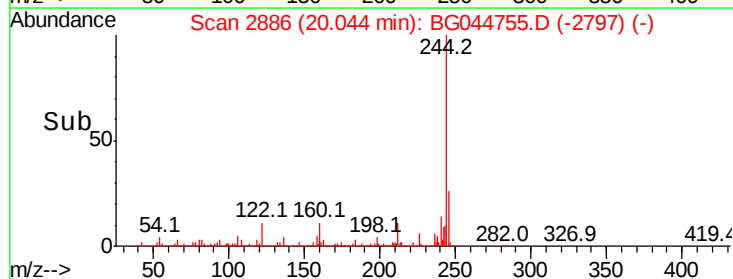
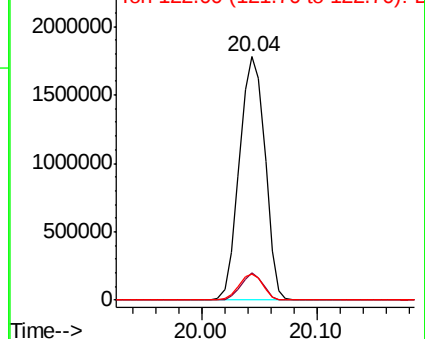
244 100

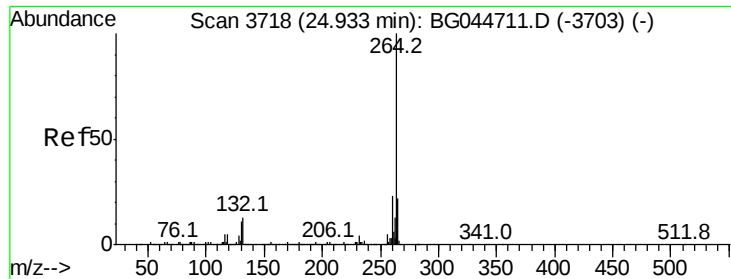
212 11.0 8.4 12.6

122 10.8 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: BG044755.D
 Acq: 13 Mar 2020 4:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.4	27.6
265	22.3	17.4	26.2

