

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044737.D
 Acq On : 12 Mar 2020 16:11
 Operator : CG/JU
 Sample : PB127474BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:08:21 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	8.06	152	103702	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	408552	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	280348	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	640892	20.00	ng	0.00
76) Chrysene-d12	21.70	240	629676	20.00	ng	-0.01
87) Perylene-d12	24.92	264	694535	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	832891	125.03	ng	0.00
7) Phenol-d6	7.21	99	1166833	120.55	ng	0.00
23) Nitrobenzene-d5	9.21	82	762907	81.94	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	449424	122.43	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1591535	81.30	ng	0.00
79) Terphenyl-d14	20.05	244	2657446	78.94	ng	0.00

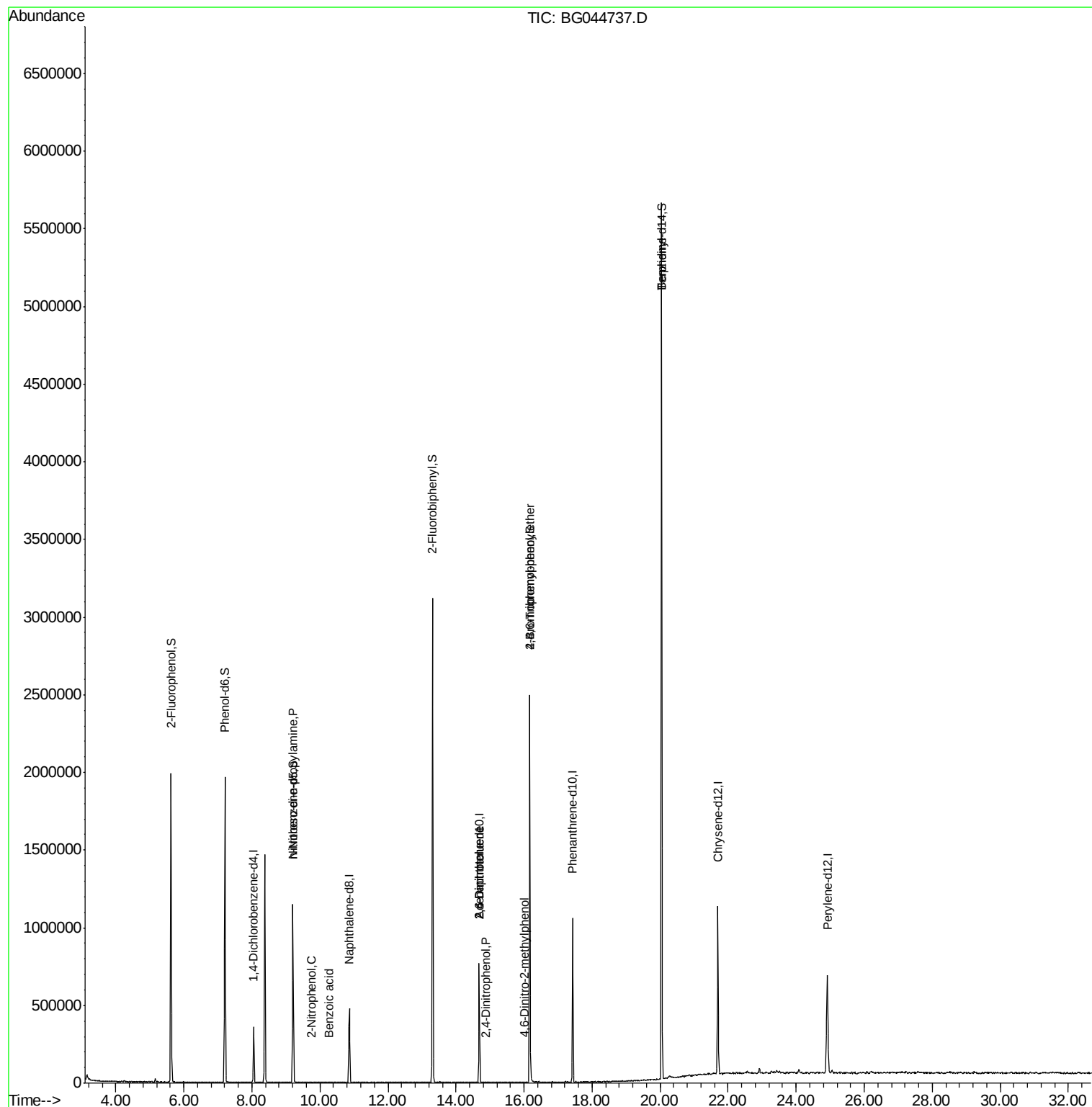
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.22	77	2141	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	102976	15.067	ng	# 70
26) 2-Nitrophenol	9.74	139	57	5.530	ng	# 3
32) Benzoic acid	10.26	122	63	9.681	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	37112	8.246	ng	# 20
54) 2,4-Dinitrophenol	14.87	184	67	8.348	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	37112	6.012	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.99	198	58	7.744	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	32937	4.111	ng	# 1
77) Benzidine	20.04	184	53714	2.628	ng	# 89

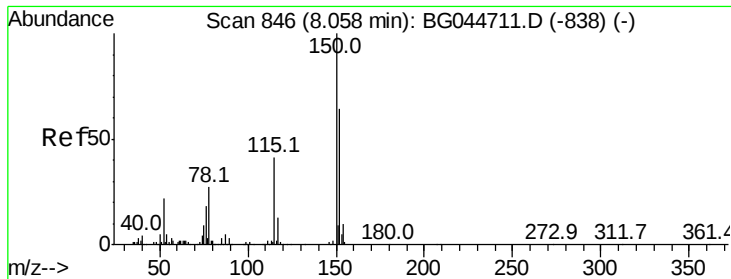
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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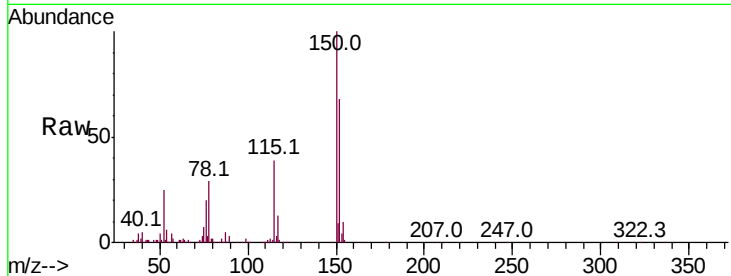


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BG044737.D
 Acq: 12 Mar 2020 16:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.1	125.3	187.9
115	58.1	51.7	77.5

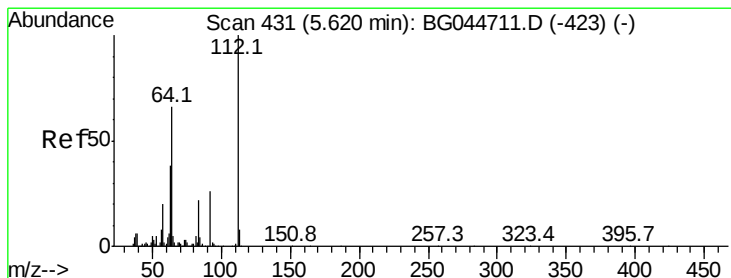
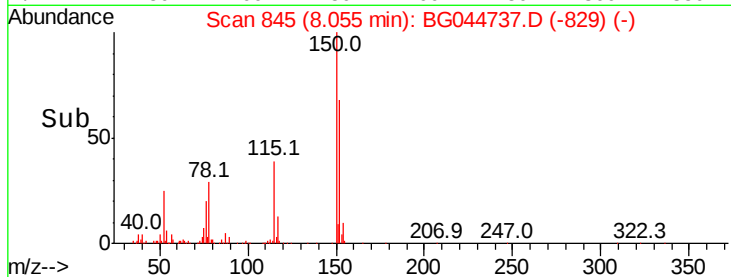
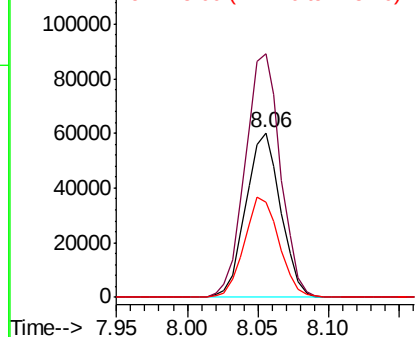


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

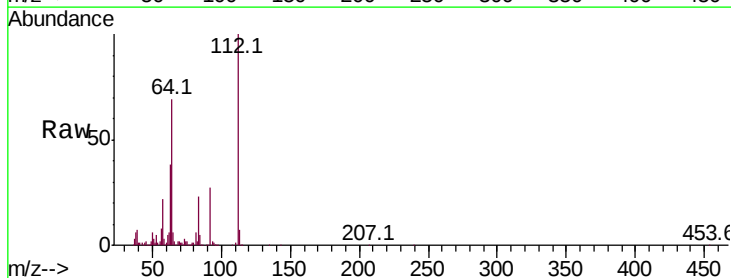
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 125.027 ng
 RT: 5.62 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: BG044737.D
 Acq: 12 Mar 2020 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	52.6	78.8
63	37.6	30.2	45.4

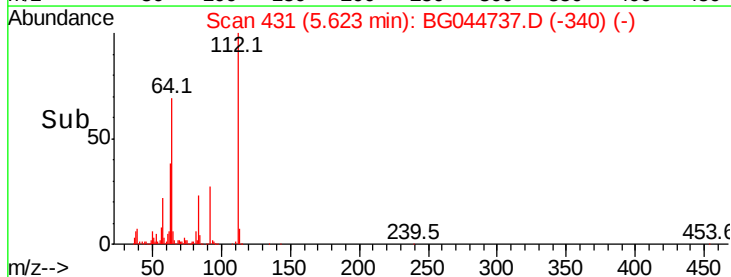
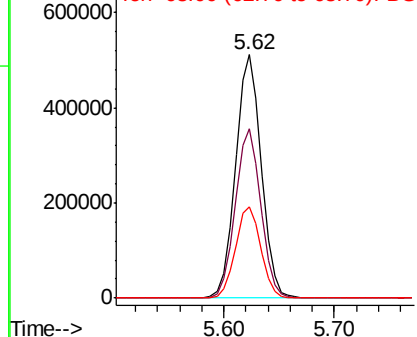


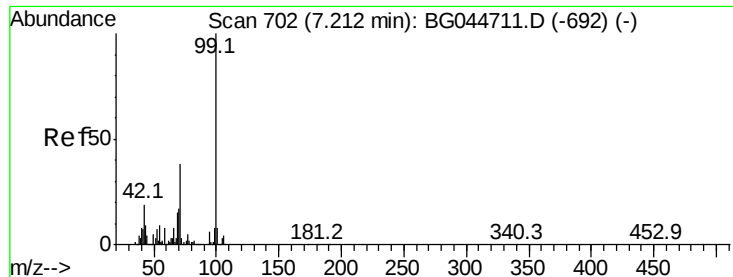
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 120.553 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

Instrument :

BNA_G

ClientSampleId :

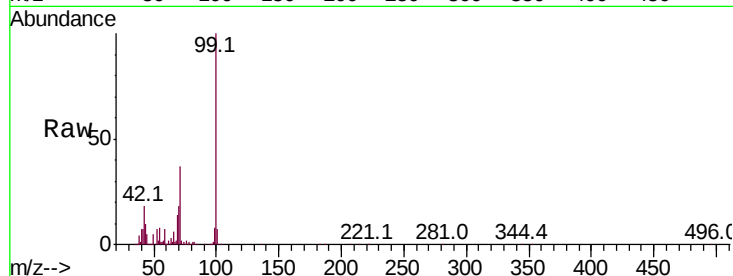
Tot Ion: 99 Resp: 1166833

Ion Ratio Lower Upper

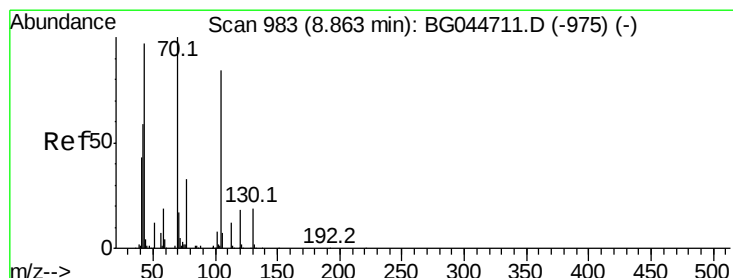
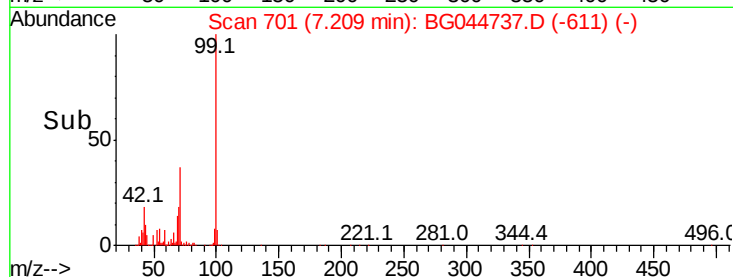
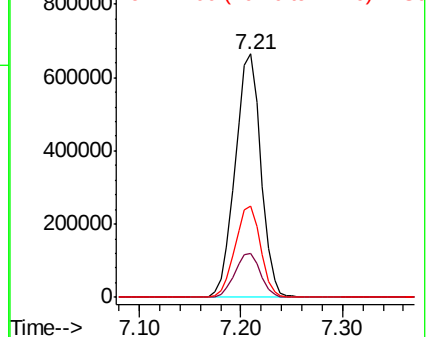
99 100

42 18.1 15.4 23.0

71 37.4 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: 15.067 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

Tgt Ion: 70 Resp: 102976

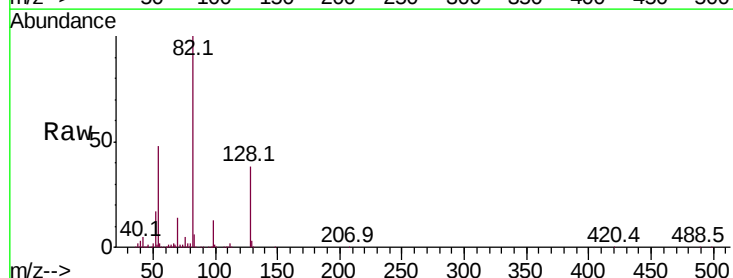
Ion Ratio Lower Upper

70 100

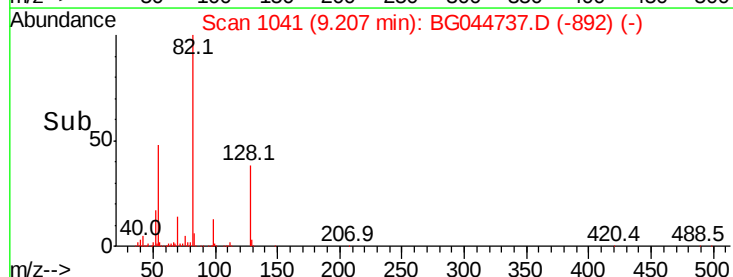
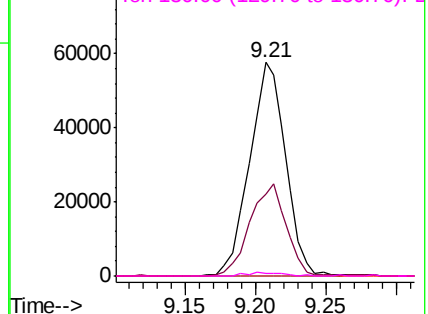
42 38.3 47.6 71.4#

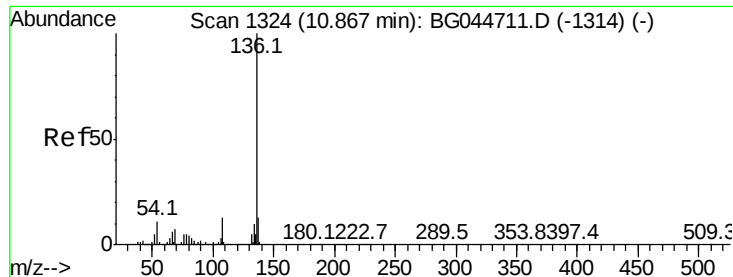
101 0.0 6.5 9.7#

130 1.0 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

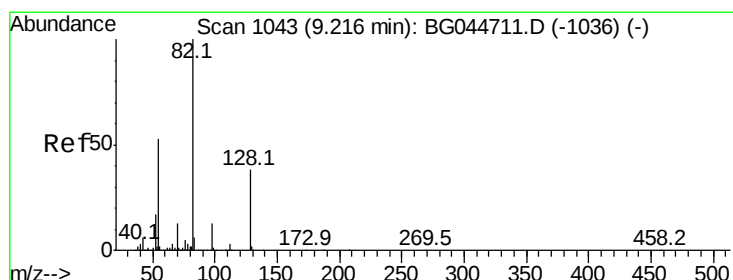
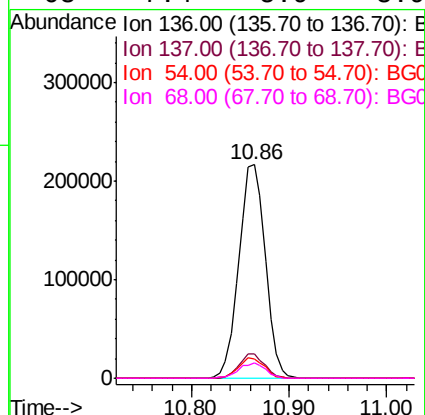
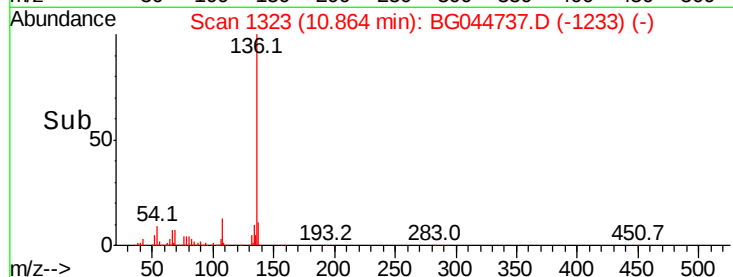
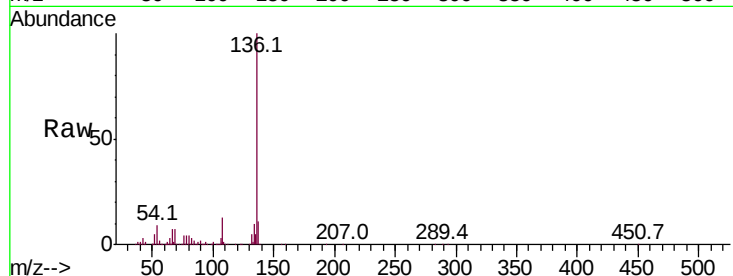




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG044737.D
Acq: 12 Mar 2020 16:11

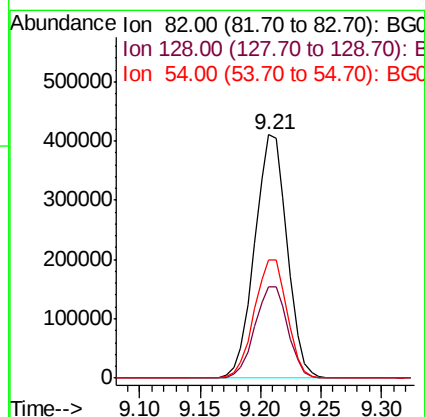
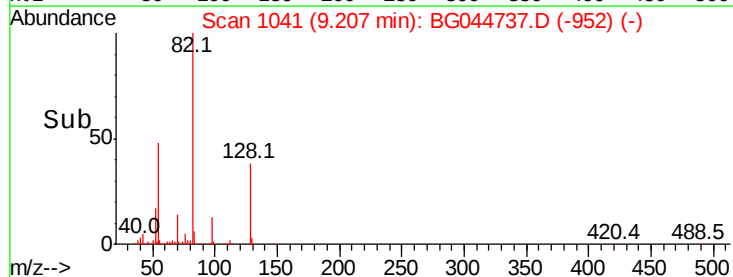
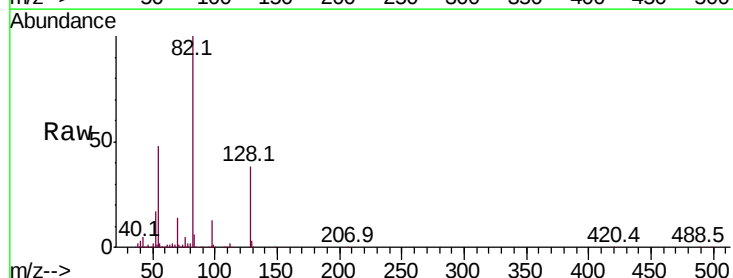
Instrument :
BNA_G
ClientSampleId :

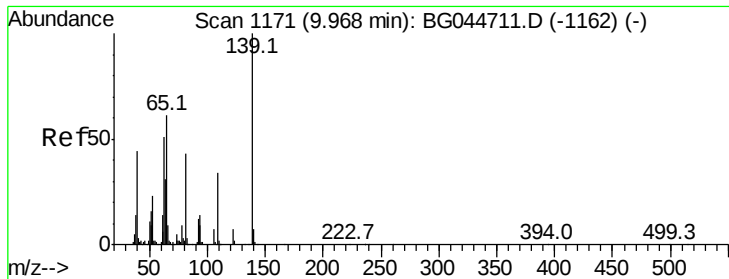
Tot Ion:	136	Resp:	408552
Ion	Ratio	Lower	Upper
136	100		
137	11.3	10.7	16.1
54	9.2	9.0	13.4
68	7.4	5.9	8.9



#23
Nitrobenzene-d5
Concen: 81.942 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044737.D
Acq: 12 Mar 2020 16:11

Tgt Ion:	82	Resp:	762907
Ion	Ratio	Lower	Upper
82	100		
128	37.7	30.2	45.2
54	48.3	41.8	62.8





#26

2-Nitrophenol

Concen: 5.530 ng

RT: 9.74 min Scan# 1132

Delta R.T. -0.23 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

Instrument :

BNA_G

ClientSampled :

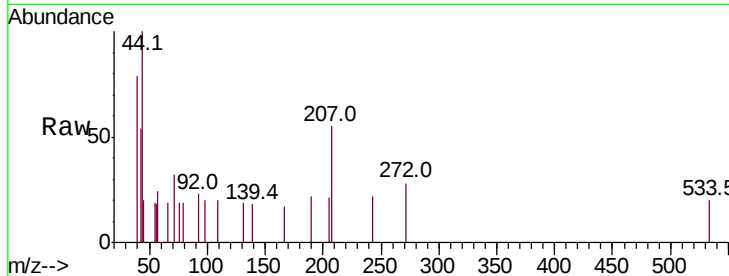
Tot Ion:139 Resp: 57

Ion Ratio Lower Upper

139 100

109 106.7 27.0 40.4#

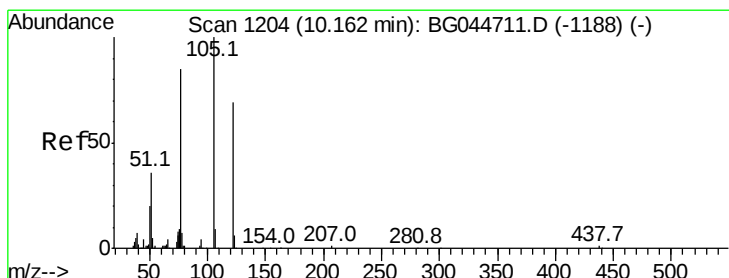
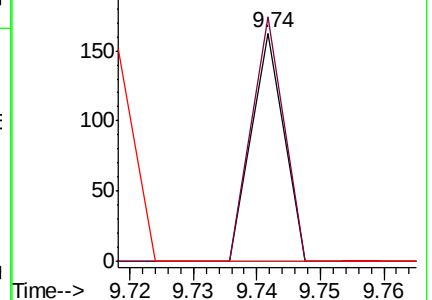
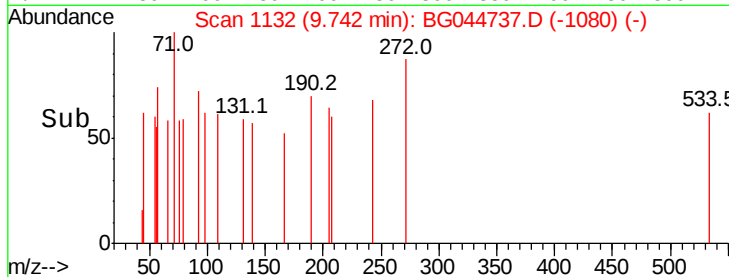
65 0.0 48.6 73.0#



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: 10.26 min Scan# 1221

Delta R.T. 0.10 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

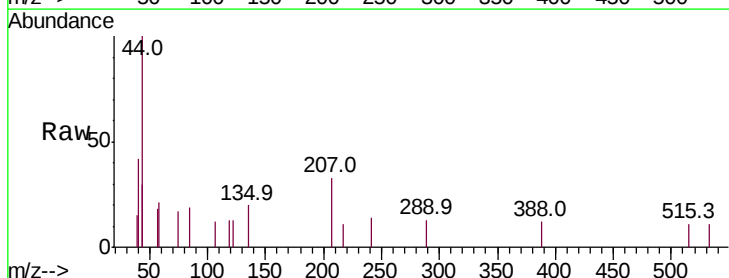
Tgt Ion:122 Resp: 63

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

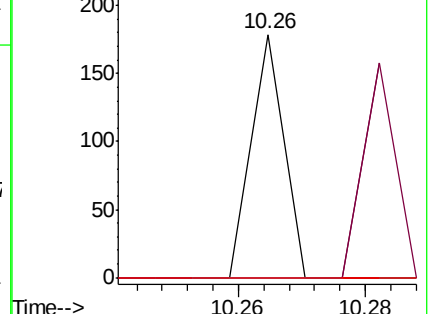
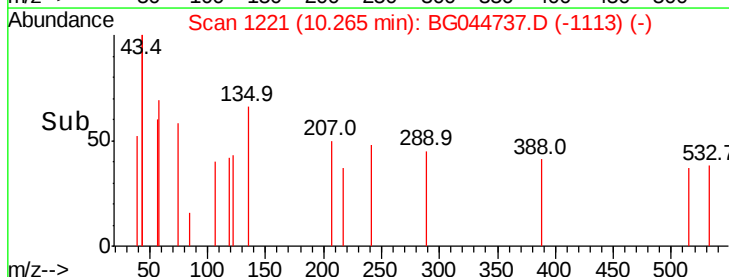
77 0.0 96.4 136.4#

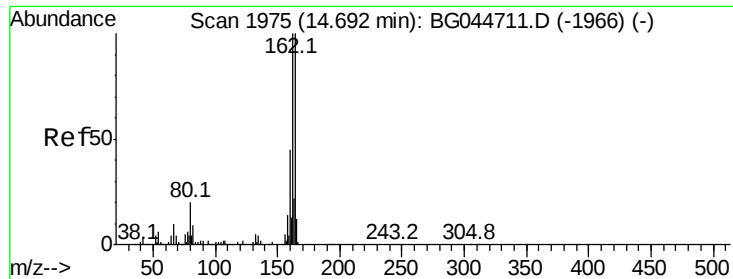


Abundance Ion 122.00 (121.70 to 122.70): E

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: 14.68 min Scan# 1973

Delta R.T. -0.01 min

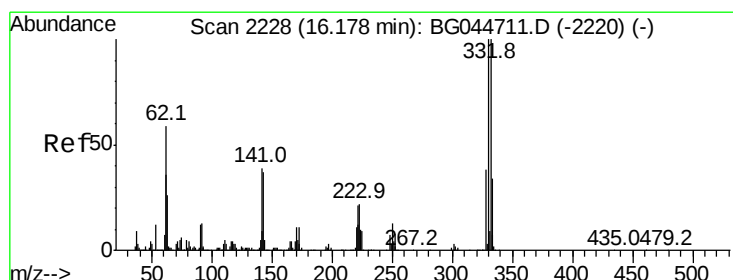
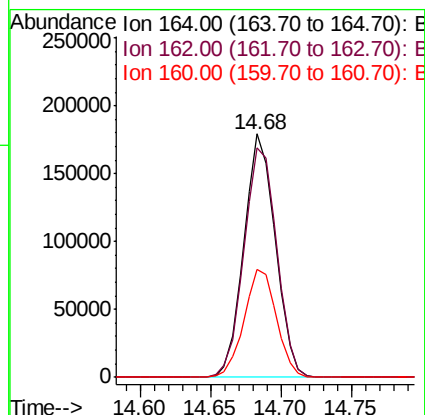
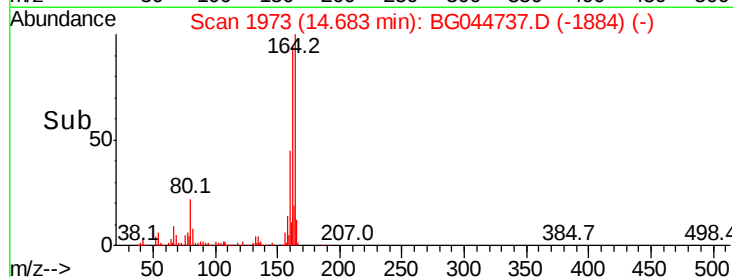
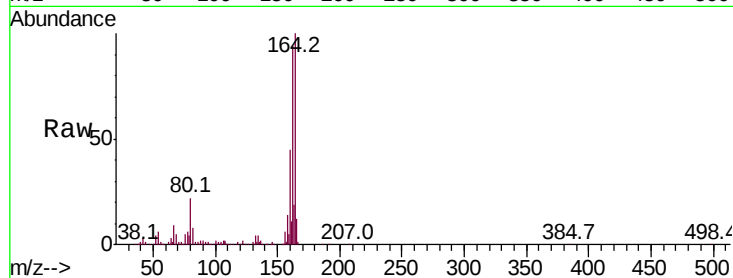
Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 280348

Ion	Ratio	Lower	Upper
164	100		
162	94.4	80.2	120.4
160	44.5	36.2	54.2



#42

2,4,6-Tribromophenol

Concen: 122.435 ng

RT: 16.17 min Scan# 2226

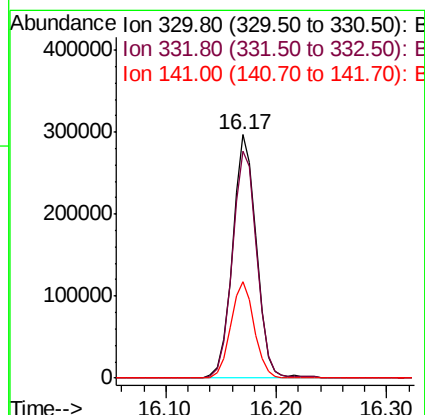
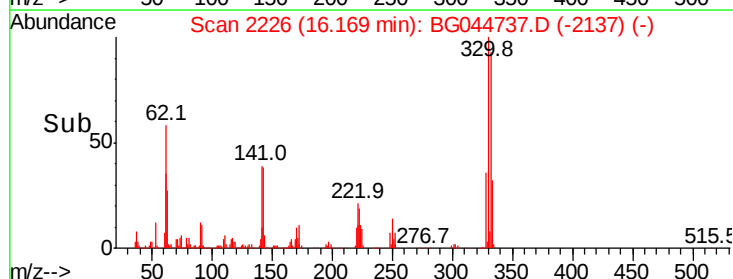
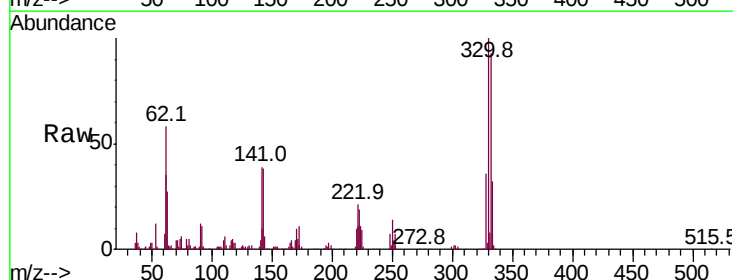
Delta R.T. -0.01 min

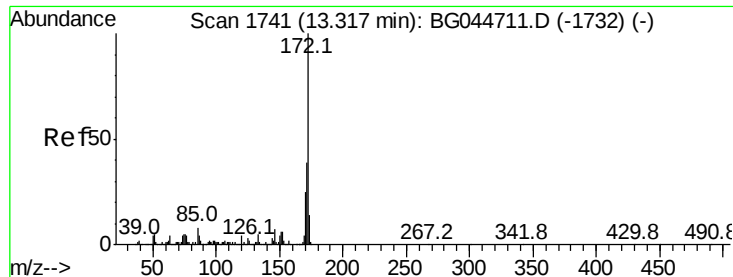
Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

Tgt Ion:330 Resp: 449424

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.5	116.3
141	39.4	31.7	47.5





#45

2-Fluorobiphenyl

Concen: 81.296 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

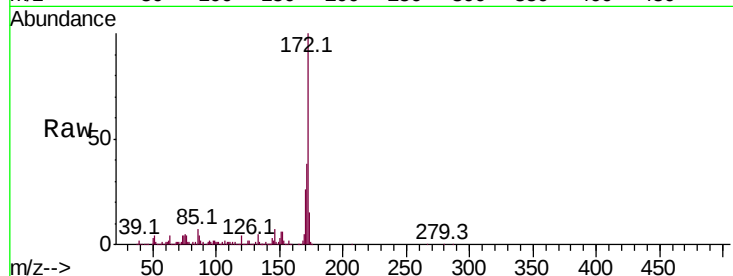
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1591535

Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.8	46.2
170	25.6	20.0	30.0

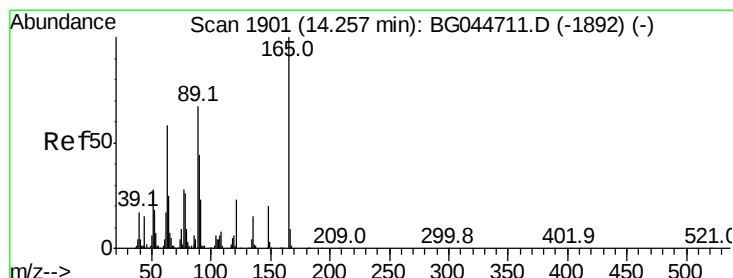
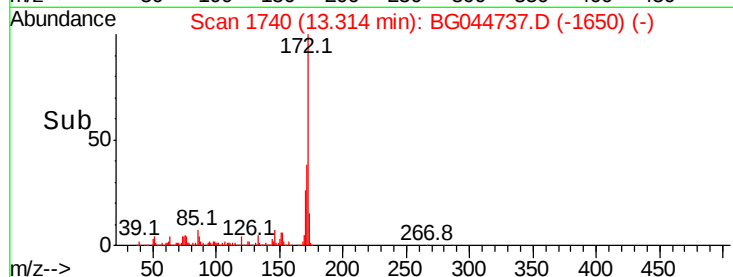
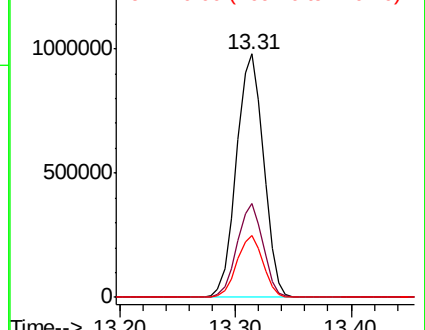


Abundance

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: 8.246 ng

RT: 14.68 min Scan# 1973

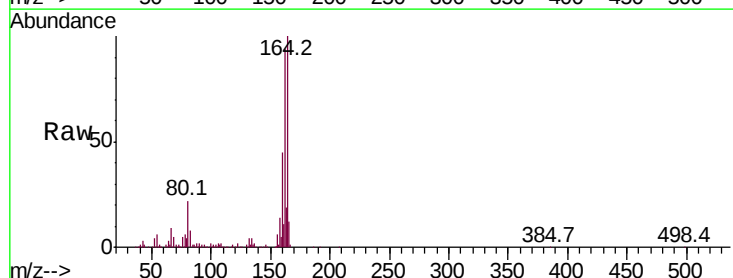
Delta R.T. 0.43 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

Tgt Ion:165 Resp: 37112

Ion	Ratio	Lower	Upper
165	100		
63	1.5	48.9	73.3#
89	2.3	53.8	80.8#

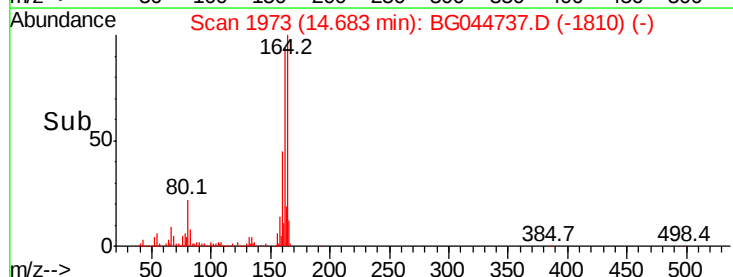
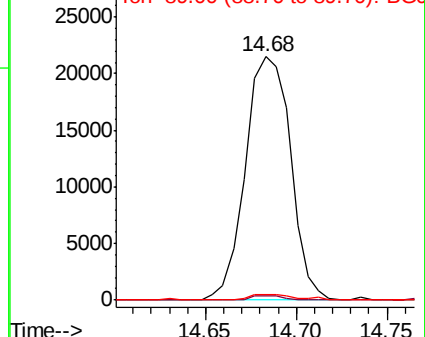


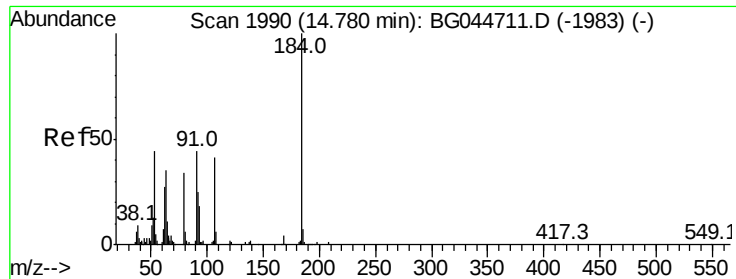
Abundance

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

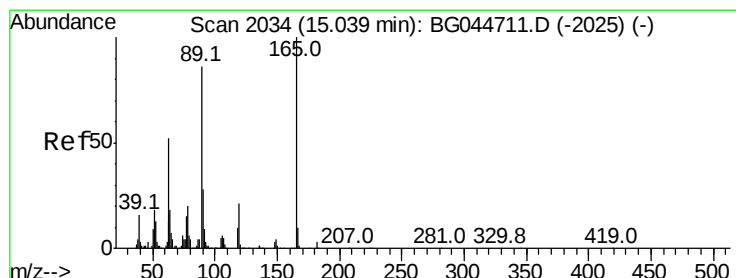
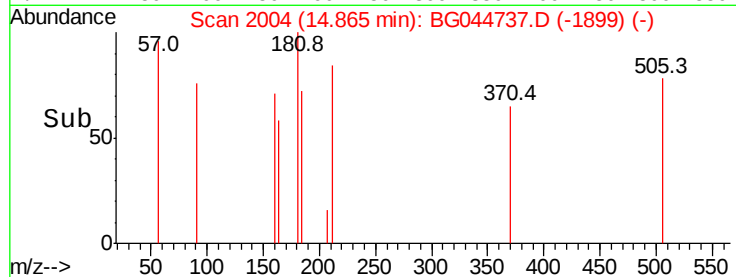
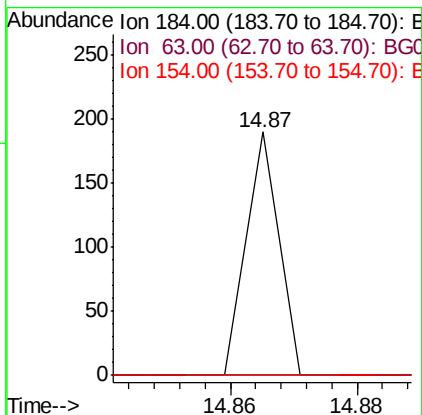
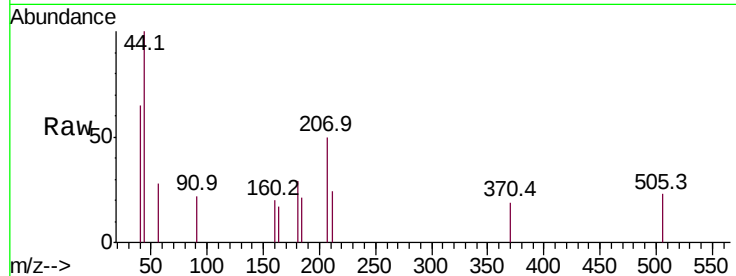




#54
 2,4-Dinitrophenol
 Concen: 8.348 ng
 RT: 14.87 min Scan# 2004
 Delta R.T. 0.09 min
 Lab File: BG044737.D
 Acq: 12 Mar 2020 16:11

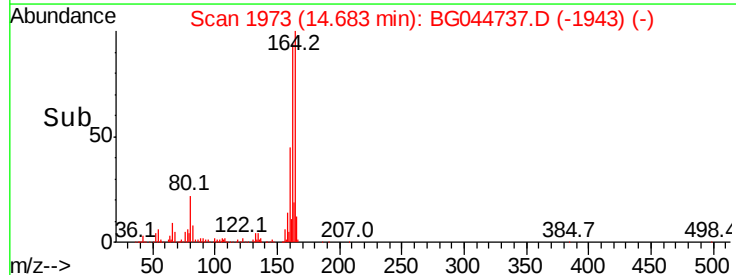
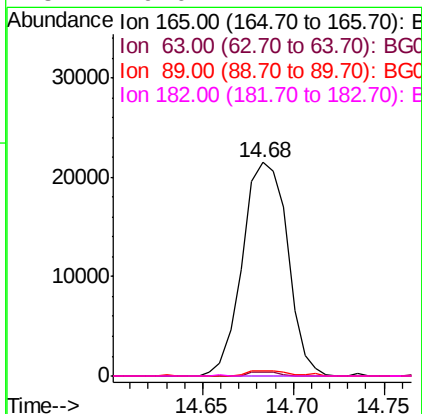
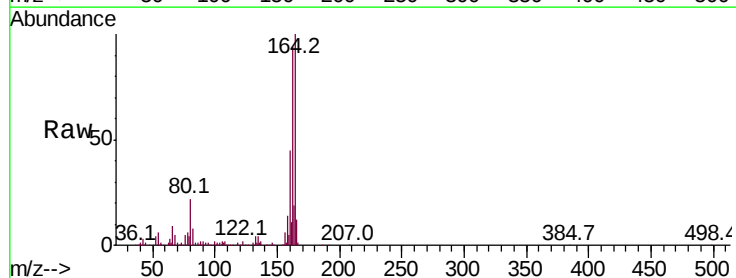
Instrument :
 BNA_G
 ClientSampleId :

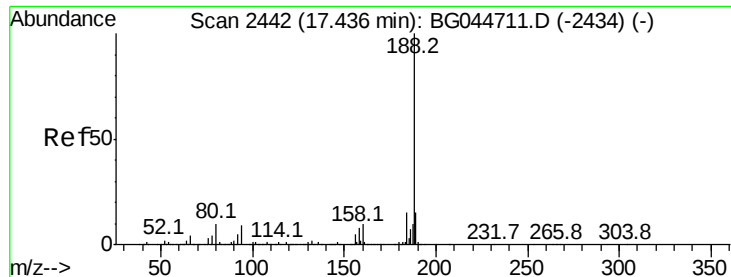
Tot Ion:184 Resp: 67
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.0 73.6#
 154 0.0 94.5 141.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.012 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.36 min
 Lab File: BG044737.D
 Acq: 12 Mar 2020 16:11

Tgt Ion:165 Resp: 37112
 Ion Ratio Lower Upper
 165 100
 63 1.5 41.5 62.3#
 89 2.3 69.0 103.4#
 182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

Instrument :

BNA_G

ClientSampleId :

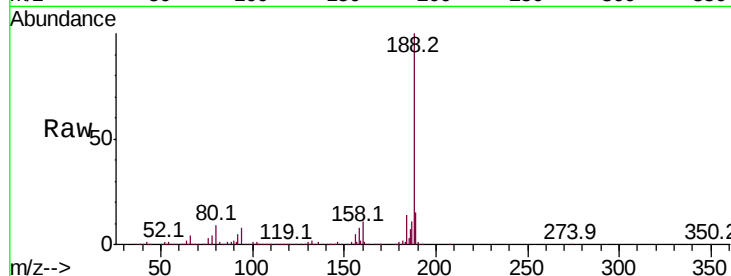
Tot Ion:188 Resp: 640892

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

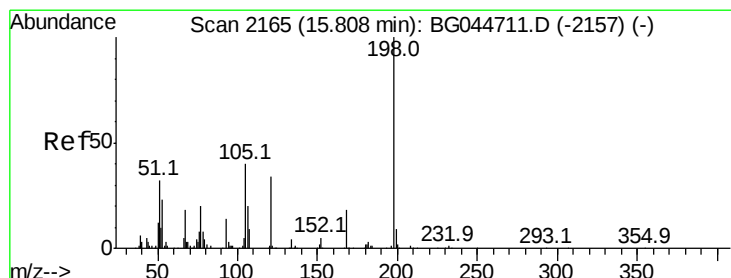
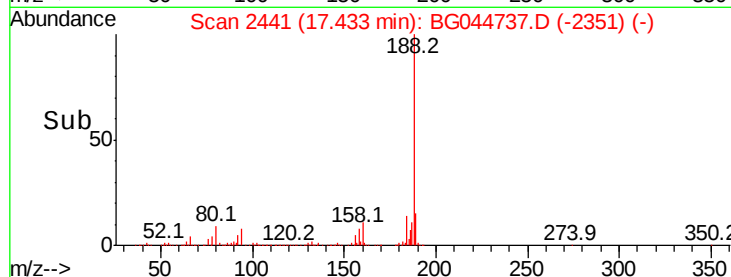
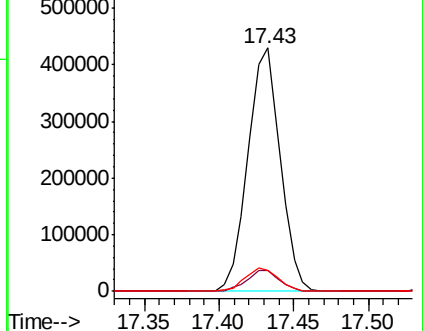
80 8.8 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 7.744 ng

RT: 15.99 min Scan# 2196

Delta R.T. 0.19 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

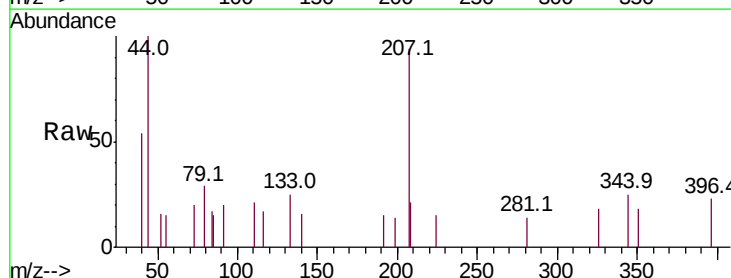
Tgt Ion:198 Resp: 58

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

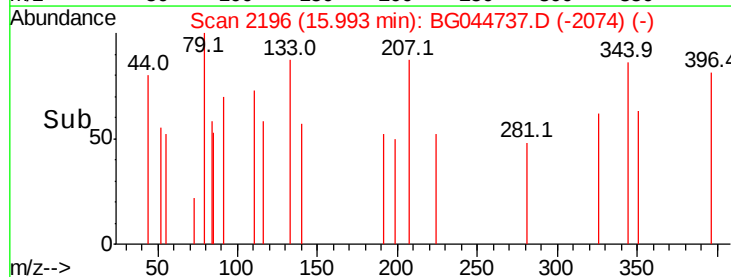
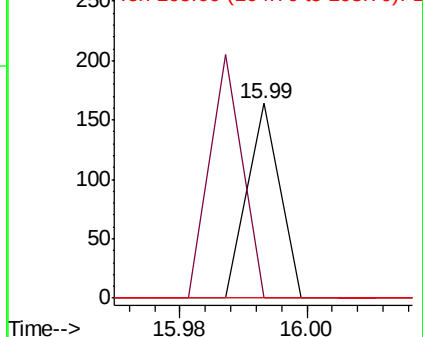
105 0.0 21.3 61.3#

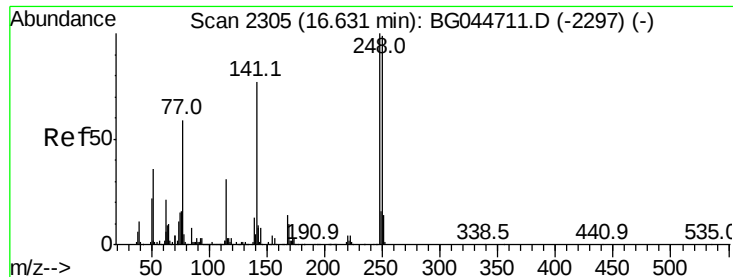


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

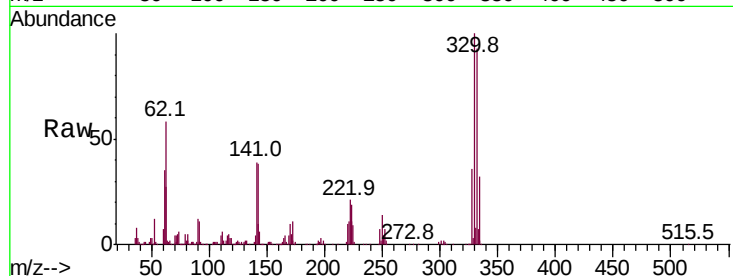




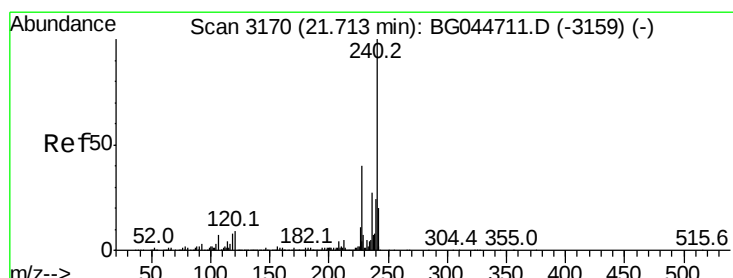
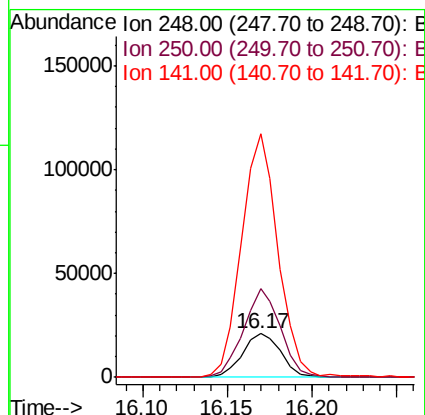
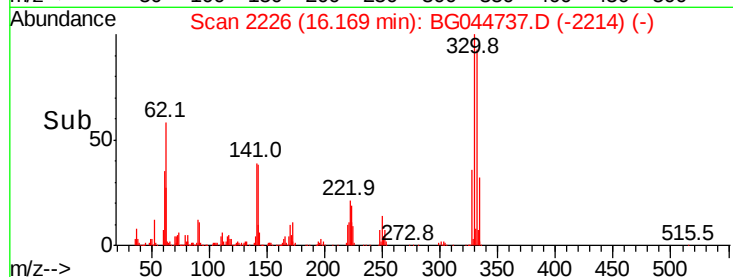
#67
4-Bromophenyl-phenylether
Concen: 4.111 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.46 min
Lab File: BG044737.D
Acq: 12 Mar 2020 16:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 32937
Ion Ratio Lower Upper
248 100
250 201.8 79.4 119.0#
141 555.9 61.7 92.5#

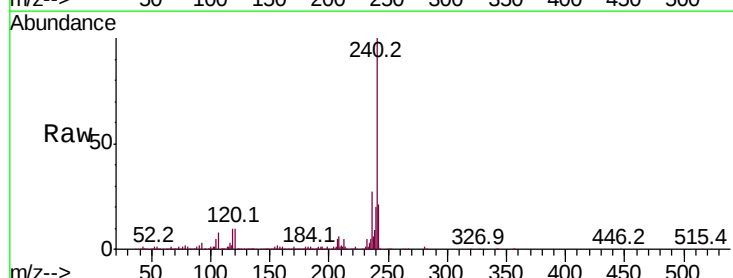


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

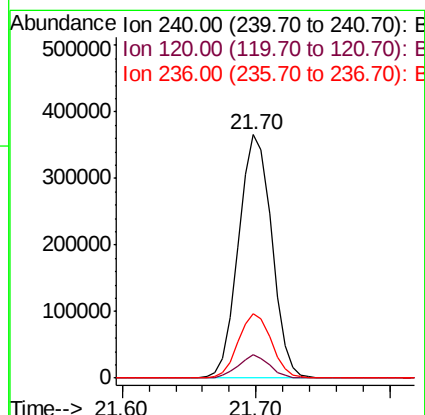
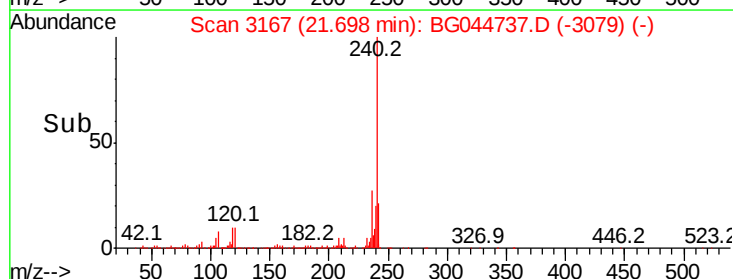


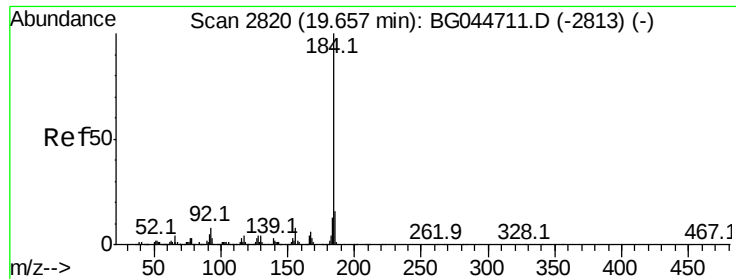
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG044737.D
Acq: 12 Mar 2020 16:11

Tgt Ion:240 Resp: 629676
Ion Ratio Lower Upper
240 100
120 9.5 6.9 10.3
236 26.6 21.9 32.9



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: 2.628 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.38 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

Instrument :

BNA_G

ClientSampled :

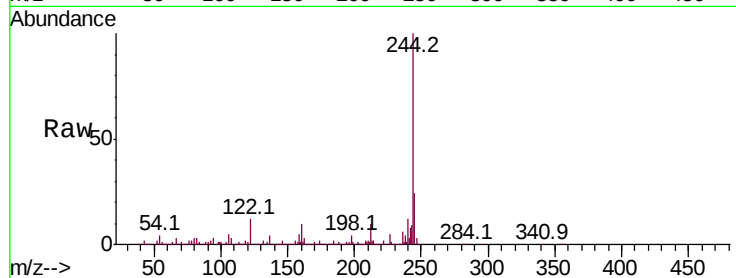
Tot Ion:184 Resp: 53714

Ion Ratio Lower Upper

184 100

185 13.8 12.9 19.3

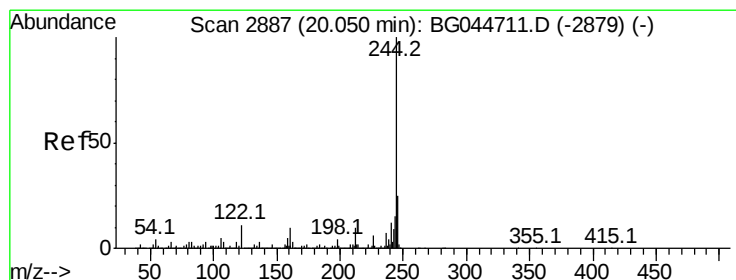
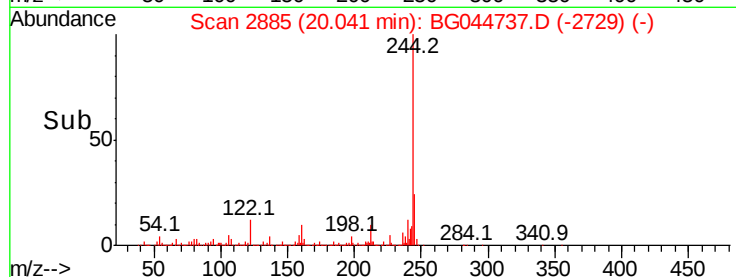
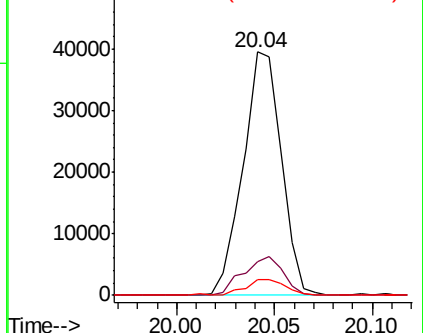
183 6.3 10.6 15.8#



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: 78.944 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG044737.D

Acq: 12 Mar 2020 16:11

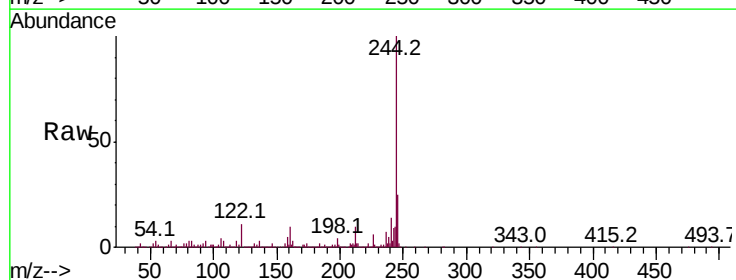
Tgt Ion:244 Resp: 2657446

Ion Ratio Lower Upper

244 100

212 10.5 8.4 12.6

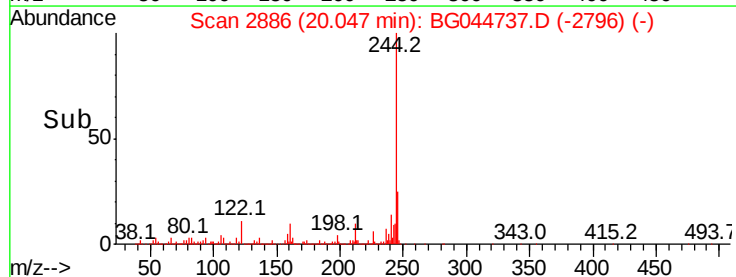
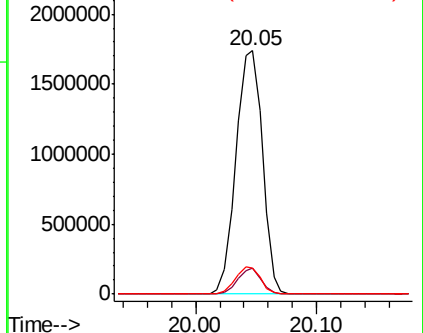
122 10.9 8.7 13.1

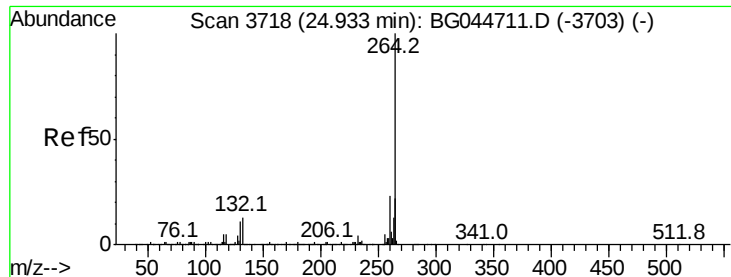


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.92 min Scan# 3715
 Delta R.T. -0.01 min
 Lab File: BG044737.D
 Acq: 12 Mar 2020 16:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.4	27.6
265	21.7	17.4	26.2

