

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044757.D
 Acq On : 13 Mar 2020 6:04
 Operator : CG/JU
 Sample : L1824-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 07:49:03 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	96730	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	382355	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	252870	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	557619	20.00	ng	0.00
76) Chrysene-d12	21.70	240	532958	20.00	ng	-0.01
87) Perylene-d12	24.91	264	599879	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	340752	54.84	ng	0.00
7) Phenol-d6	7.20	99	297514	32.95	ng	-0.01
23) Nitrobenzene-d5	9.21	82	778148	89.30	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	418297	126.34	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1576180	89.26	ng	0.00
79) Terphenyl-d14	20.04	244	2322980	81.53	ng	0.00

Target Compounds

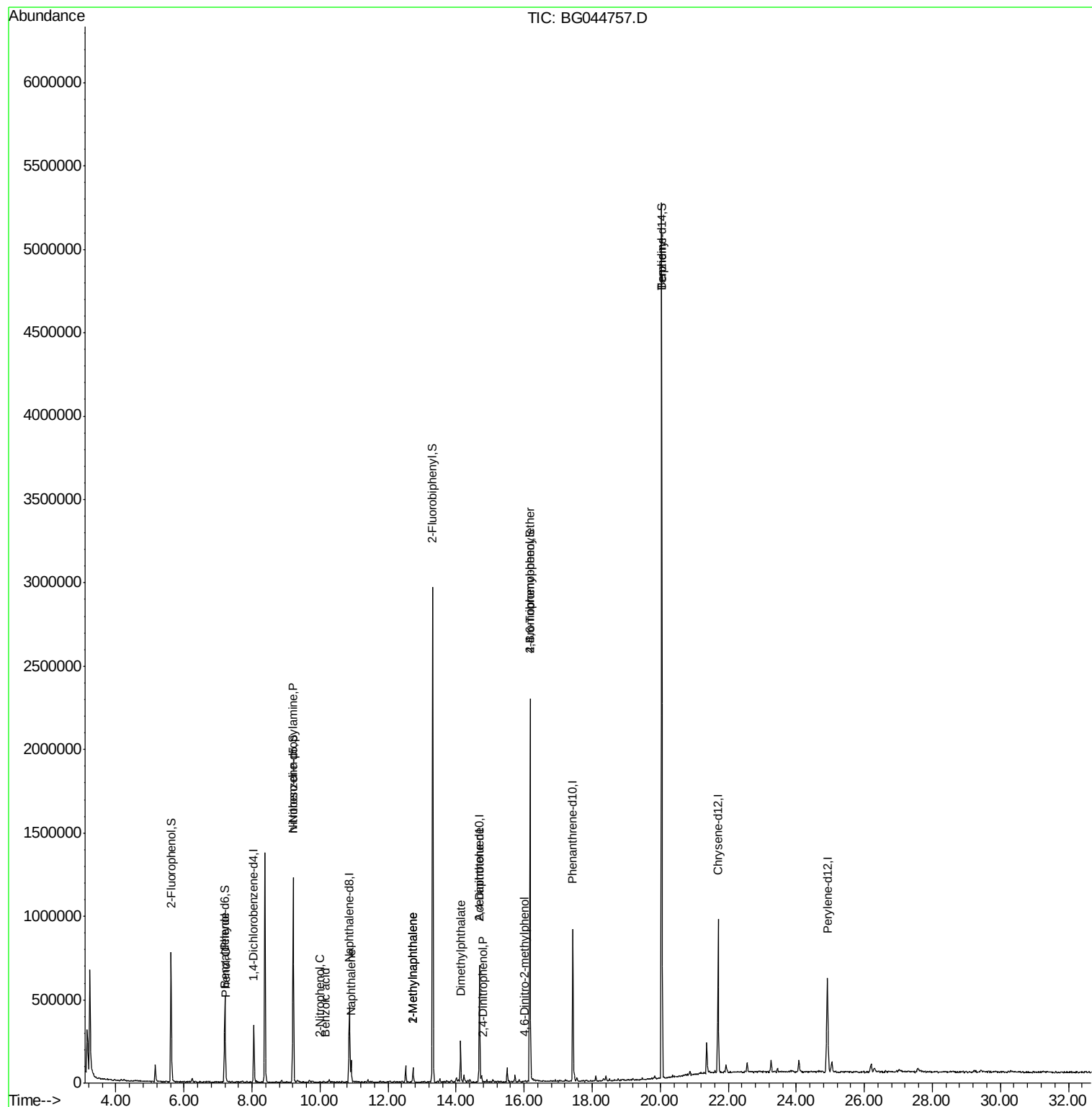
						Qvalue
9) Benzaldehyde	7.18	77	36264	3.560	ng	89
10) Phenol	7.22	94	19388	2.169	ng	83
19) n-Nitroso-di-n-propylamine	9.21	70	104799	16.439	ng	# 79
26) 2-Nitrophenol	9.98	139	74	5.536	ng	# 28
31) Naphthalene	10.91	128	110550	5.219	ng	96
32) Benzoic acid	10.16	122	62	9.681	ng	# 1
37) 2-Methylnaphthalene	12.73	142	39866	2.516	ng	87
38) 1-Methylnaphthalene	12.73	142	39866	2.676	ng	84
50) Dimethylphthalate	14.13	163	160593	7.974	ng	97
54) 2,4-Dinitrophenol	14.78	184	69	8.352	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	33172	5.958	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.00	198	56	7.746	ng	# 15
67) 4-Bromophenyl-phenylether	16.17	248	29976	4.300	ng	# 1
77) Benzidine	20.04	184	47159	2.726	ng	# 91

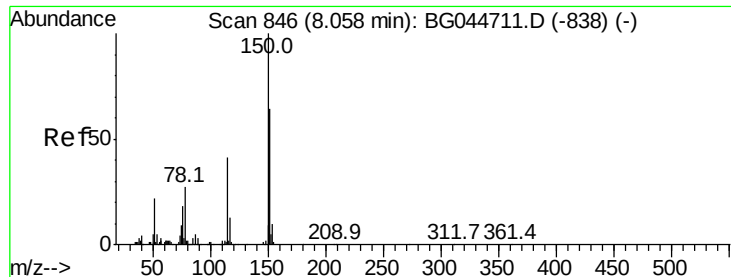
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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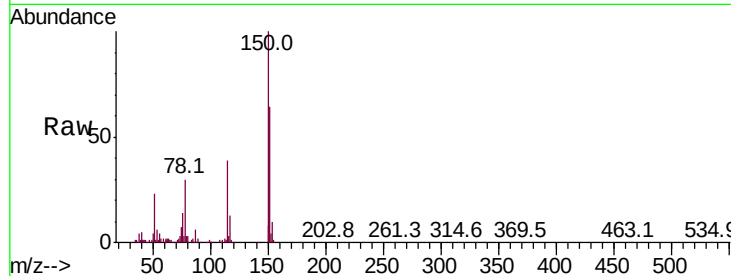


#1

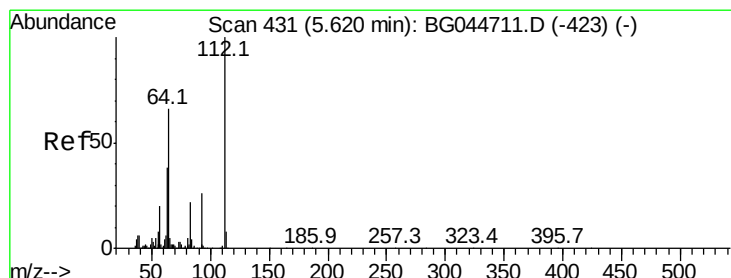
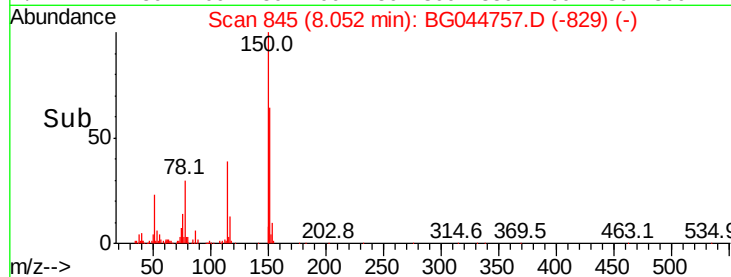
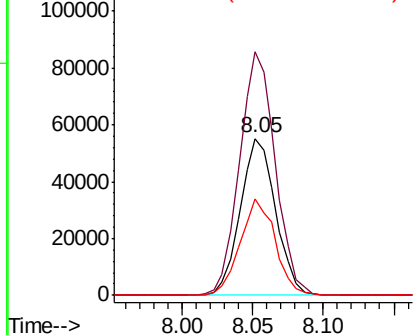
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG044757.D
 Acq: 13 Mar 2020 6:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 96730
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.3 187.9
 115 61.3 51.7 77.5



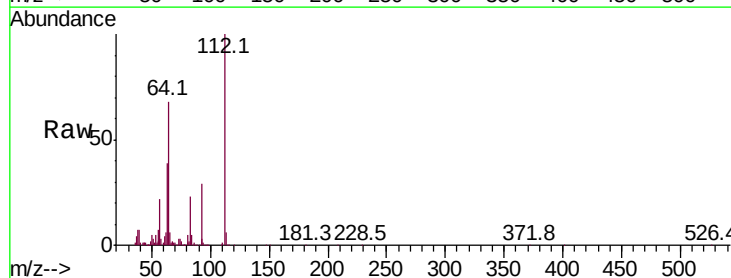
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



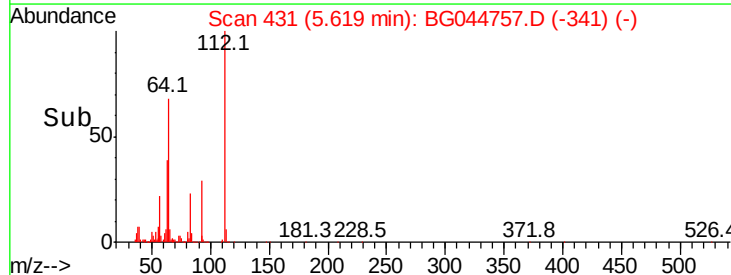
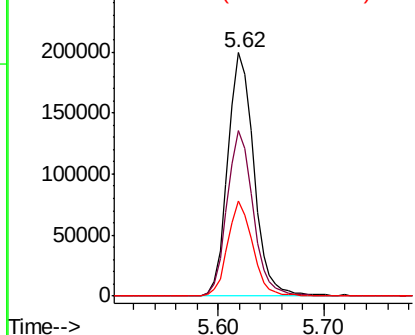
#5

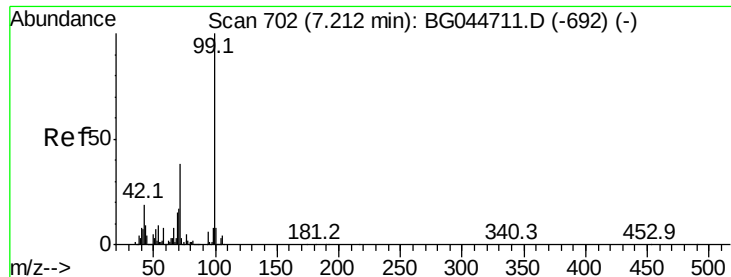
2-Fluorophenol
 Concen: 54.838 ng
 RT: 5.62 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: BG044757.D
 Acq: 13 Mar 2020 6:04

Tgt Ion:112 Resp: 340752
 Ion Ratio Lower Upper
 112 100
 64 67.8 52.6 78.8
 63 39.3 30.2 45.4



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 32.954 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

Instrument :

BNA_G

ClientSampleId :

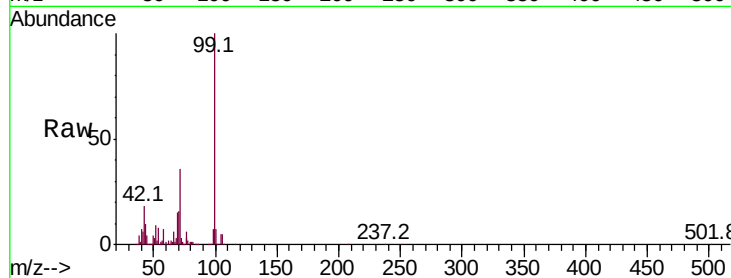
Tot Ion: 99 Resp: 297514

Ion Ratio Lower Upper

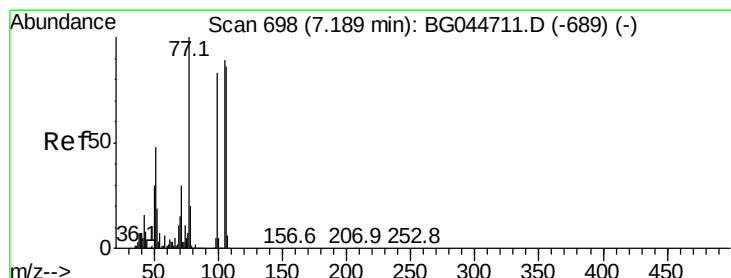
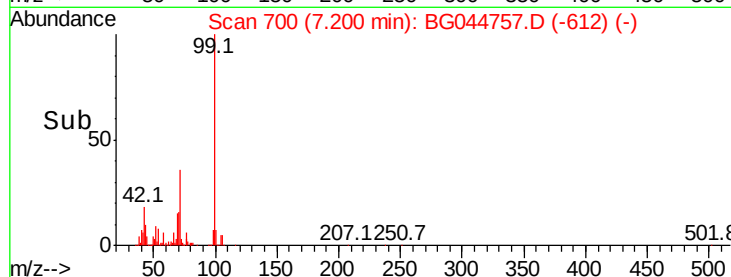
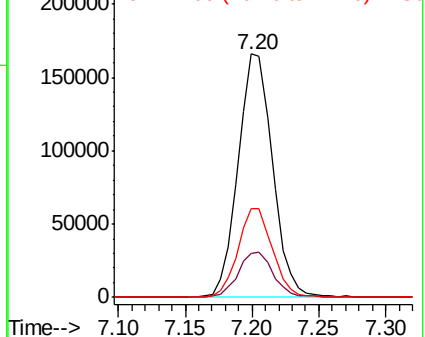
99 100

42 18.3 15.4 23.0

71 36.3 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



#9

Benzaldehyde

Concen: 3.560 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

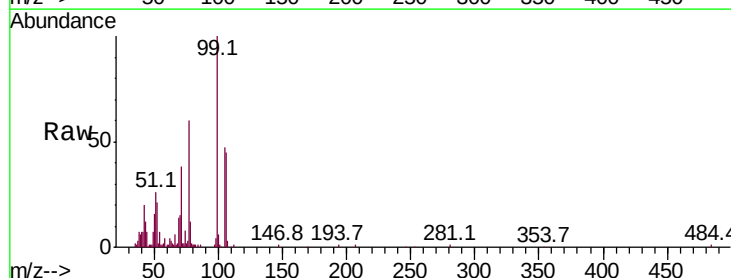
Tgt Ion: 77 Resp: 36264

Ion Ratio Lower Upper

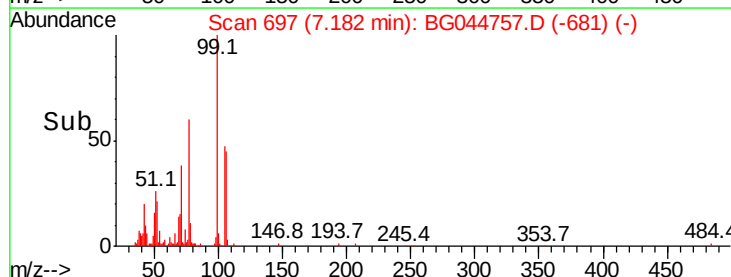
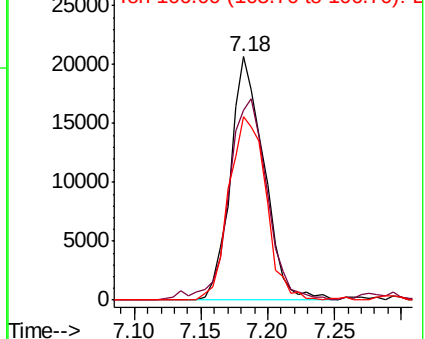
77 100

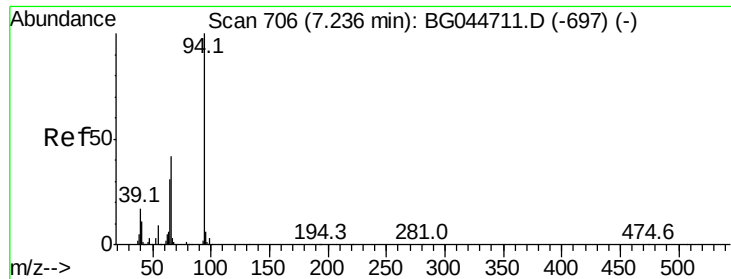
105 78.2 68.6 108.6

106 75.5 65.9 105.9



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: 2.169 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

Instrument :

BNA_G

ClientSampleId :

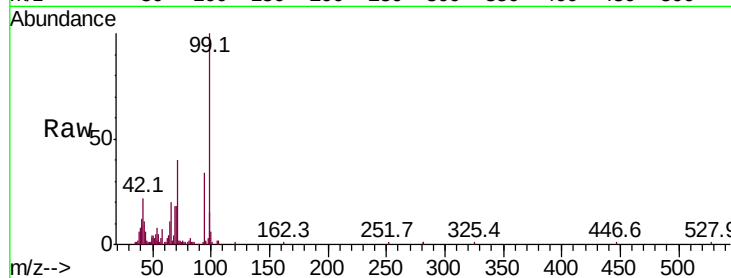
Tot Ion: 94 Resp: 19388

Ion Ratio Lower Upper

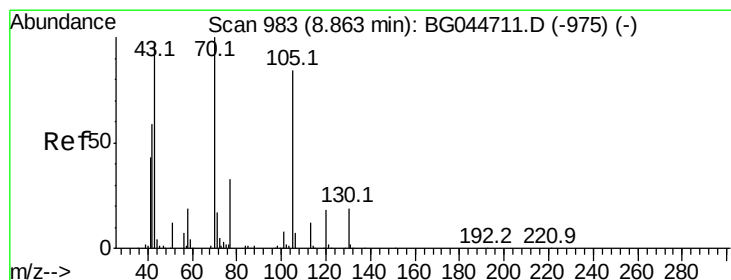
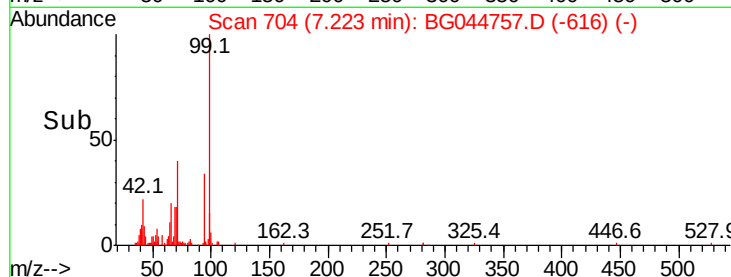
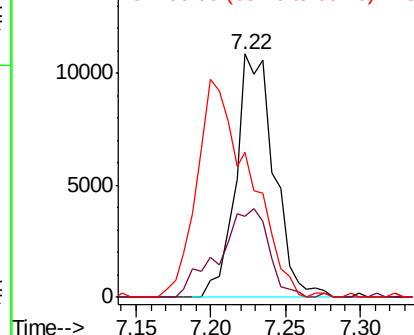
94 100

65 33.5 11.3 51.3

66 59.3 22.9 62.9



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: 16.439 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

Tgt Ion: 70 Resp: 104799

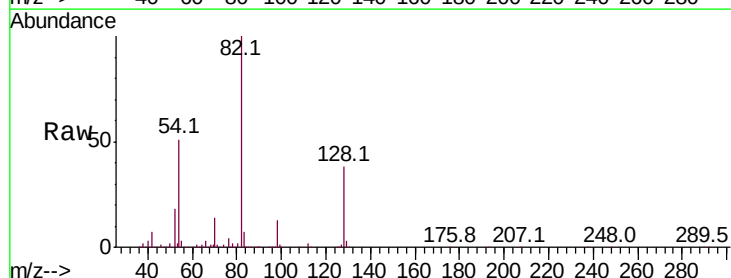
Ion Ratio Lower Upper

70 100

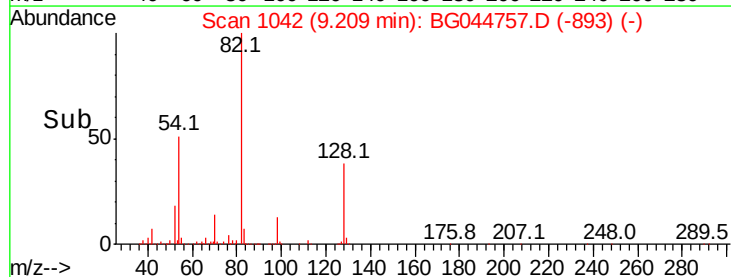
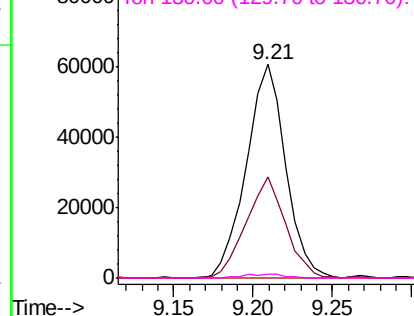
42 47.2 47.6 71.4#

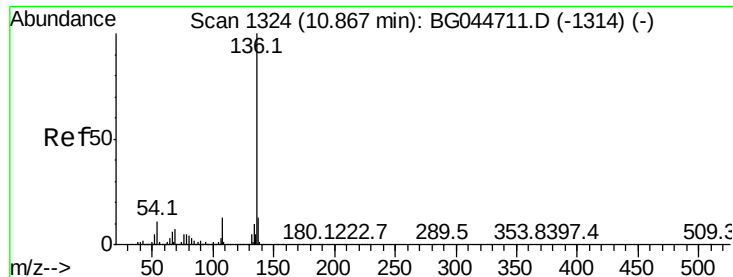
101 0.0 6.5 9.7#

130 2.1 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

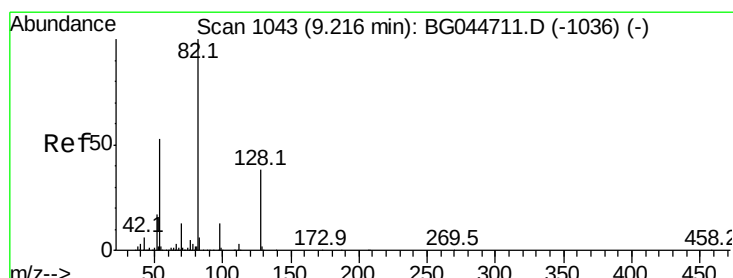
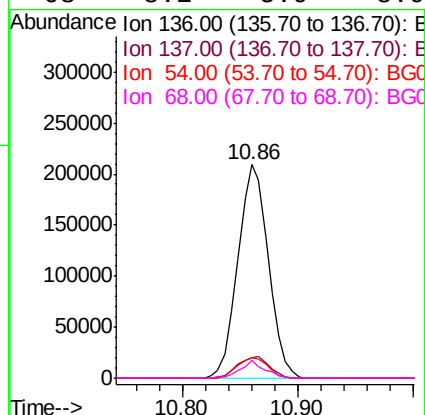
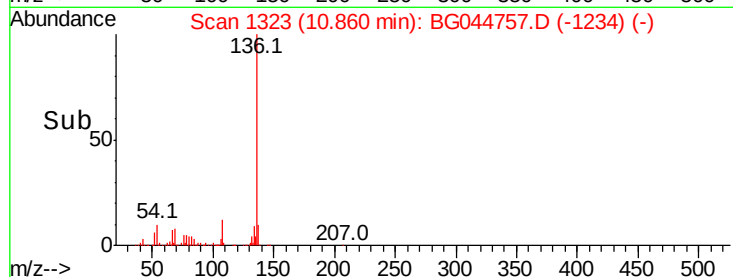
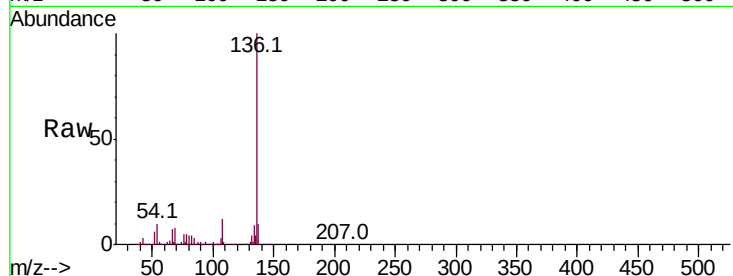




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

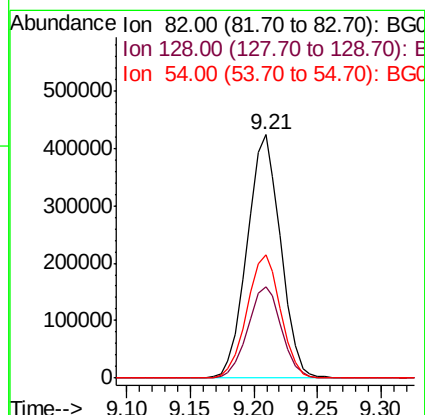
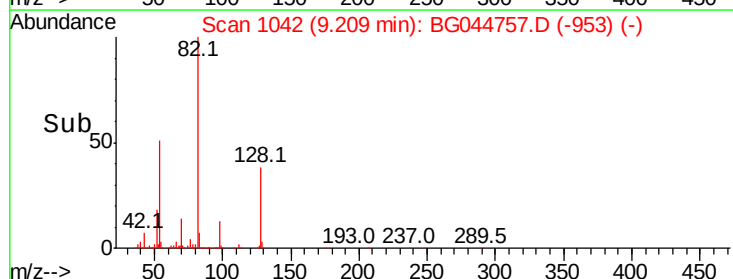
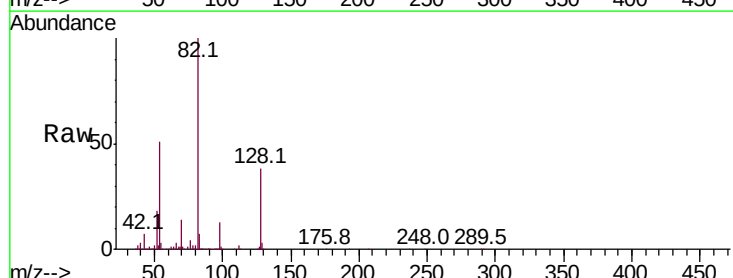
Instrument :
BNA_G
ClientSampleId :

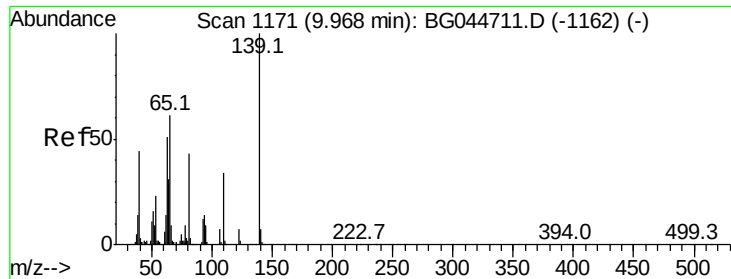
Tot Ion:136	Resp:	382355
Ion Ratio	Lower	Upper
136	100	
137	9.6	10.7 16.1#
54	9.6	9.0 13.4
68	8.2	5.9 8.9



#23
Nitrobenzene-d5
Concen: 89.305 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

Tgt Ion: 82	Resp:	778148
Ion Ratio	Lower	Upper
82	100	
128	37.5	30.2 45.2
54	50.9	41.8 62.8

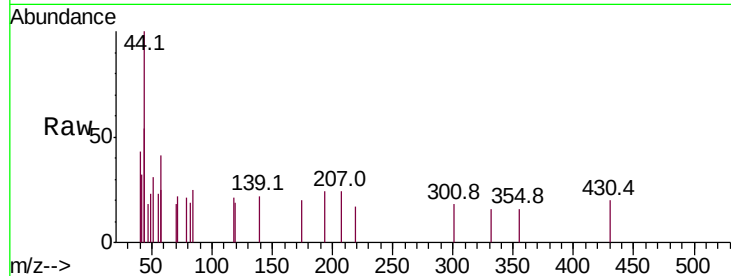




#26
2-Nitrophenol
Concen: 5.536 ng
RT: 9.98 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

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#

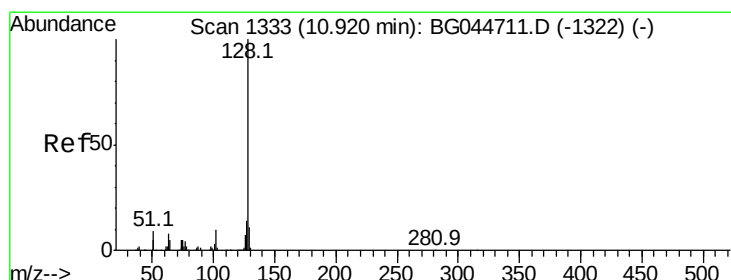
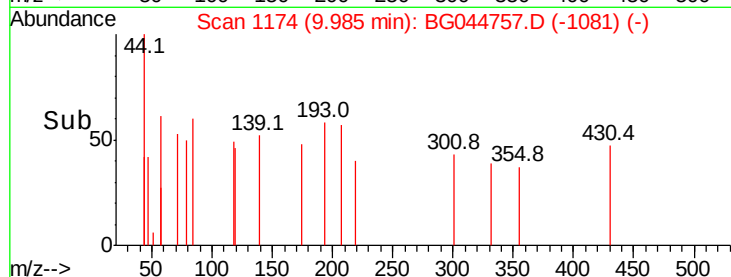
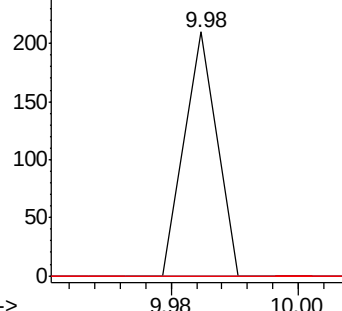


Abundance

Ion 139.00 (138.70 to 139.70): E

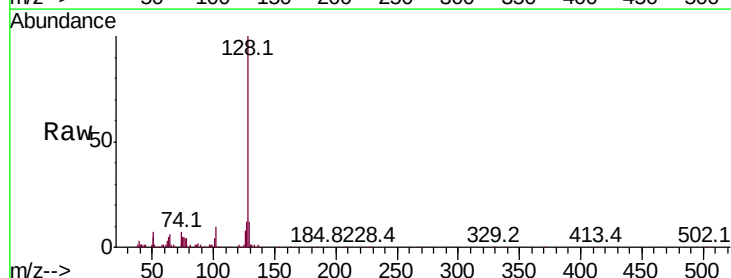
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#31
Naphthalene
Concen: 5.219 ng
RT: 10.91 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.4
127	11.5	11.0	16.6

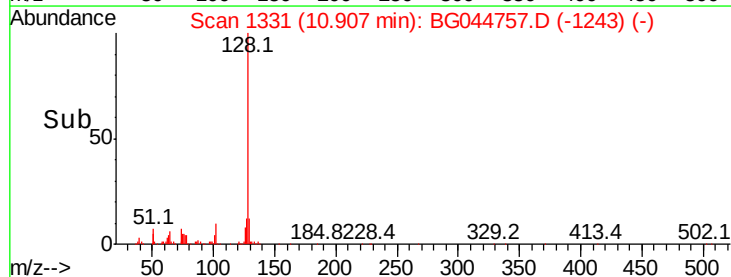
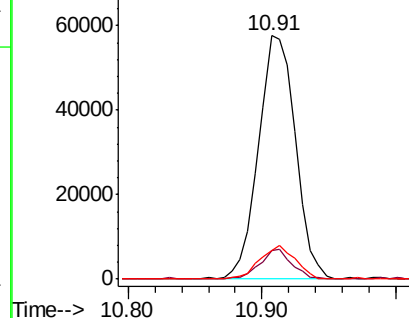


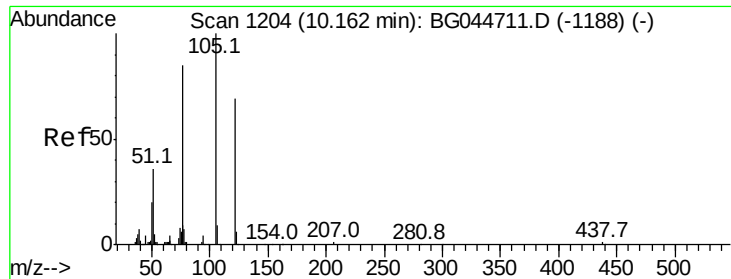
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

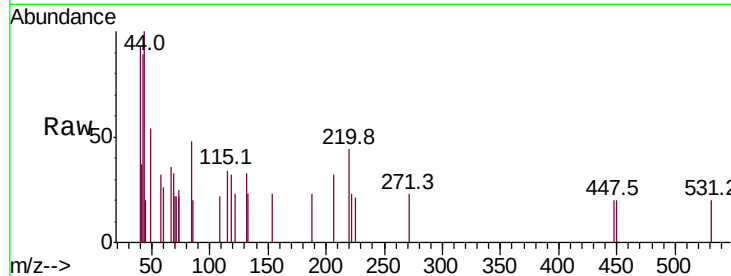




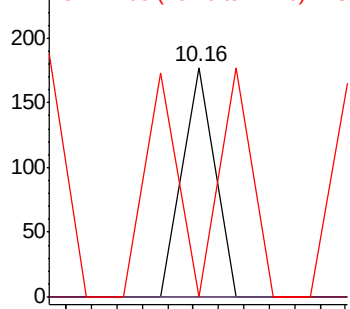
#32
Benzoic acid
Concen: 9.681 ng
RT: 10.16 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

Instrument :
BNA_G
ClientSampleId :

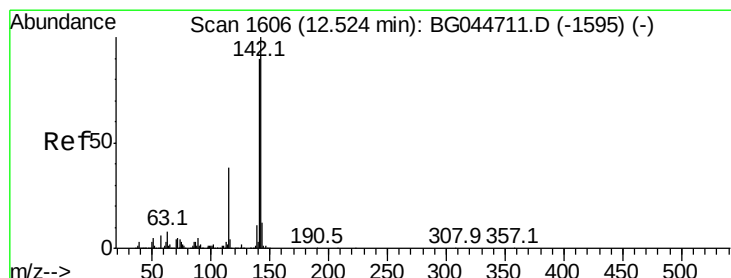
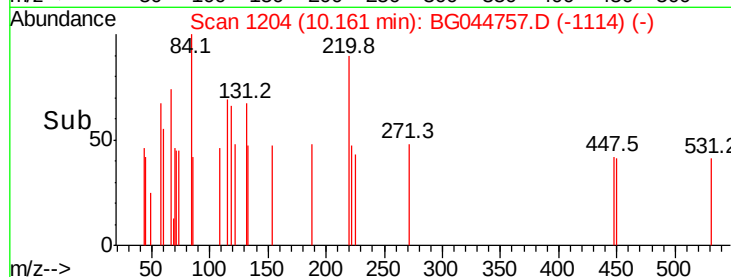
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#



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

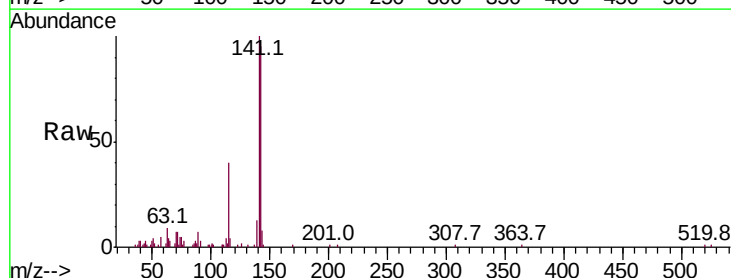


Time--> 10.14 10.16 10.18

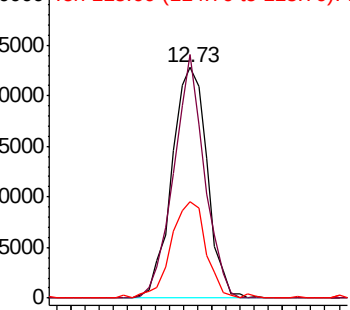


#37
2-Methylnaphthalene
Concen: 2.516 ng
RT: 12.73 min Scan# 1642
Delta R.T. 0.21 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

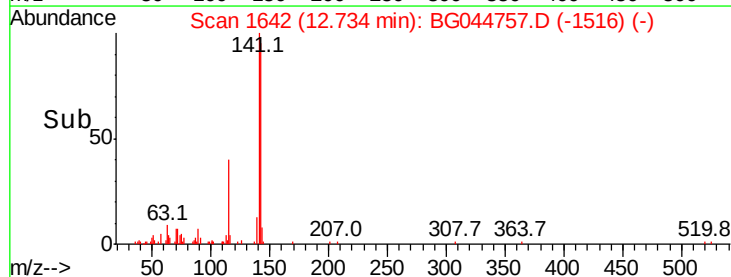
Tgt Ion	Ratio	Lower	Upper
142	100		
141	105.6	72.3	108.5
115	42.0	30.6	45.8

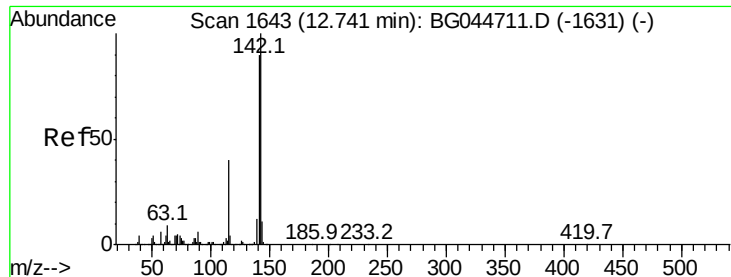


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



Time--> 12.65 12.70 12.75 12.80





#38

1-Methylnaphthalene

Concen: 2.676 ng

RT: 12.73 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

Instrument :

BNA_G

ClientSampleId :

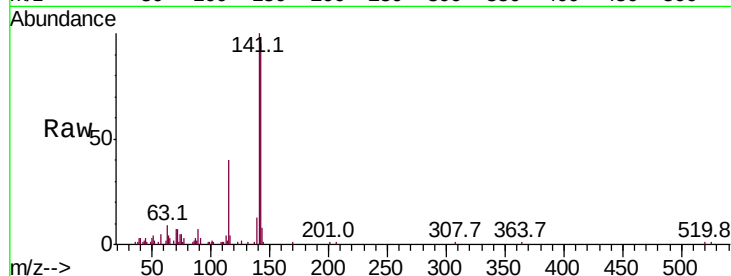
Tot Ion:142 Resp: 39866

Ion Ratio Lower Upper

142 100

141 105.6 72.2 108.2

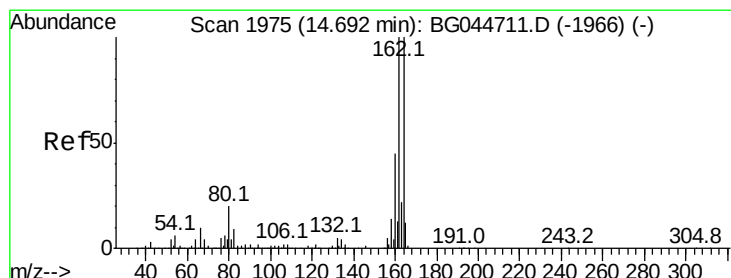
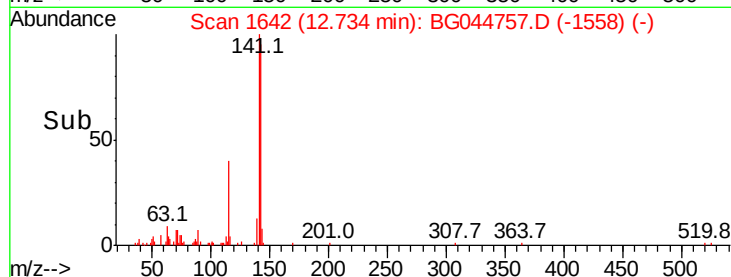
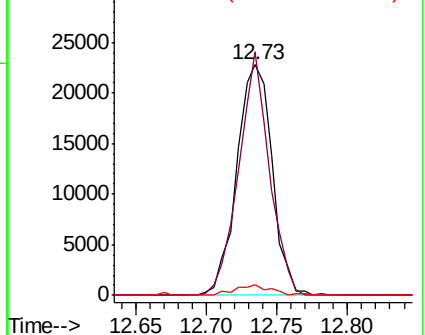
116 4.4 3.5 5.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

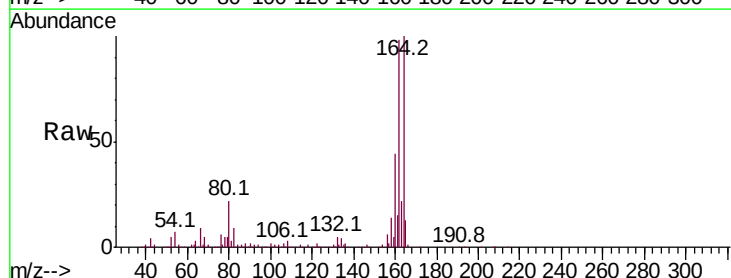
Tgt Ion:164 Resp: 252870

Ion Ratio Lower Upper

164 100

162 97.8 80.2 120.4

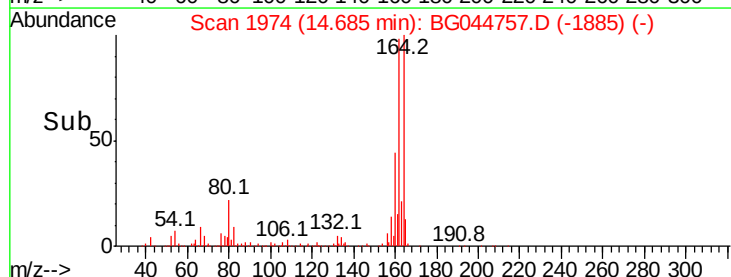
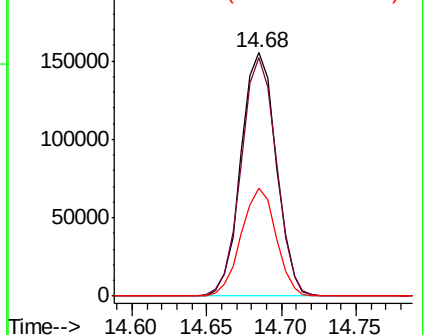
160 44.3 36.2 54.2

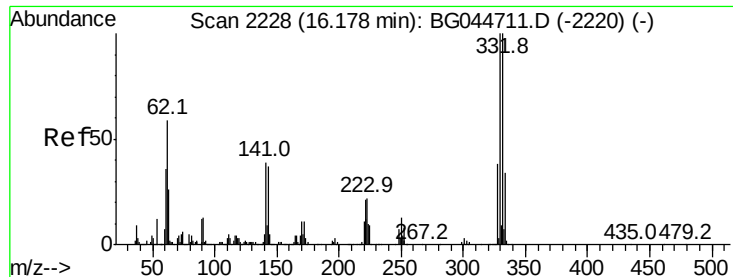


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 126.338 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

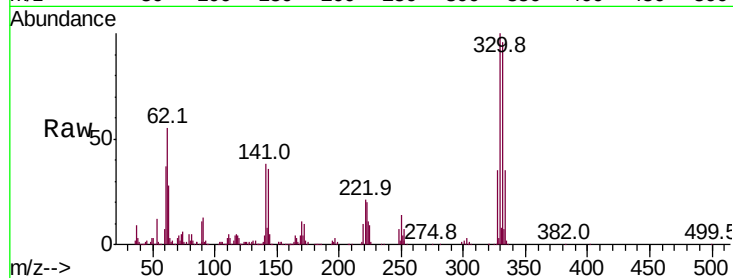
Instrument :

BNA_G

ClientSampleId :

Tot Ion:330 Resp: 418297

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.5	116.3
141	40.0	31.7	47.5

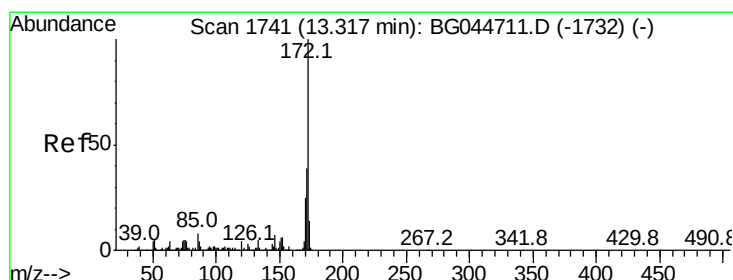
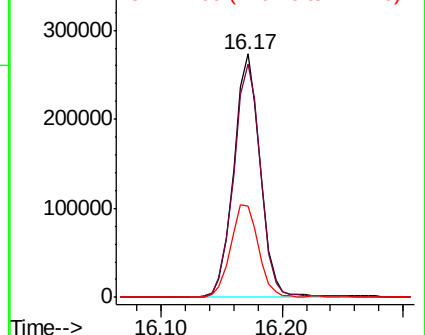
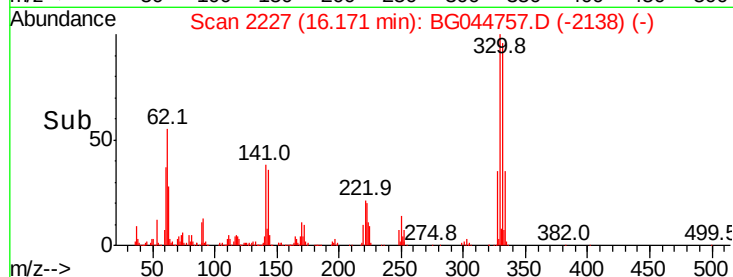


Abundance

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: 89.261 ng

RT: 13.31 min Scan# 1740

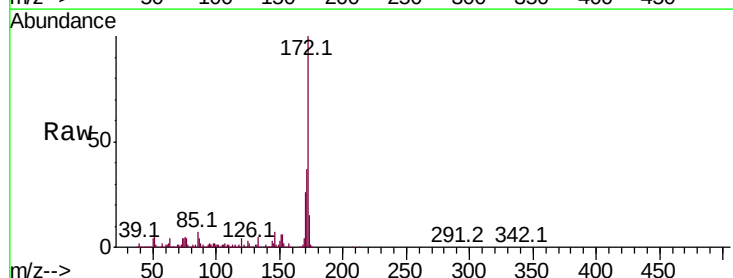
Delta R.T. -0.01 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

Tgt Ion:172 Resp: 1576180

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.8	46.2
170	25.5	20.0	30.0

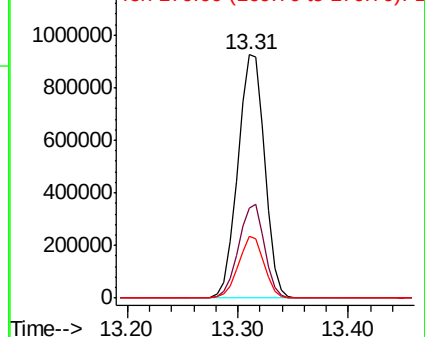
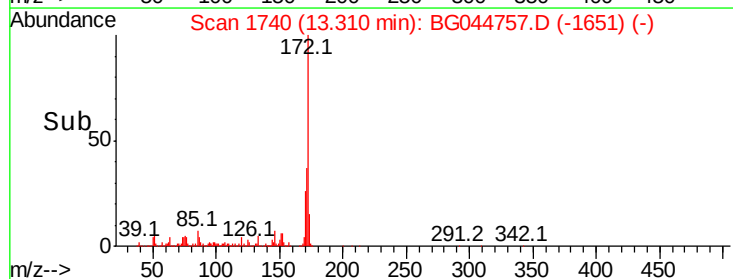


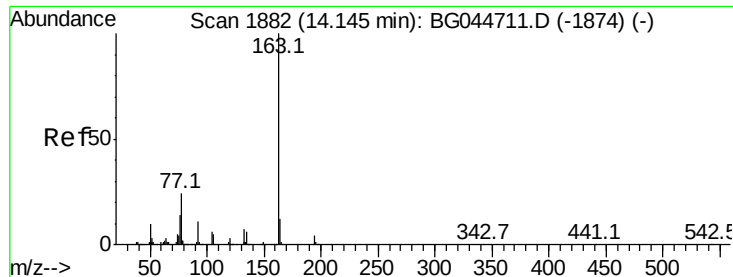
Abundance

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





#50

Dimethylphthalate

Concen: 7.974 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044757.D

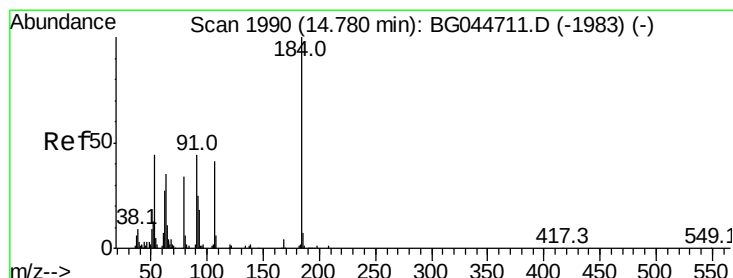
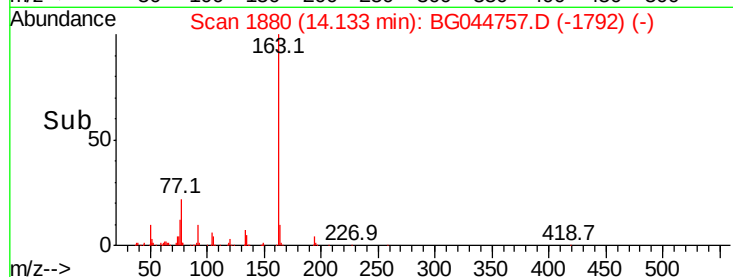
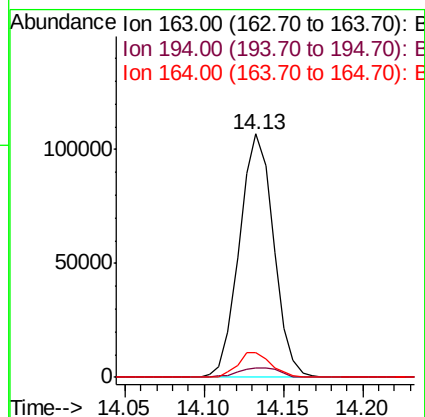
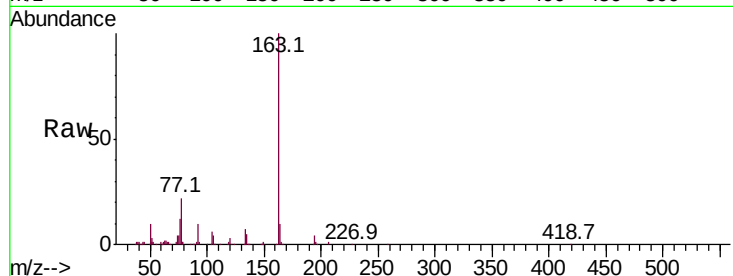
Acq: 13 Mar 2020 6:04

Instrument :

BNA_G

ClientSampled :

Tot Ion:	163	Resp:	160593
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.5	5.3
164	10.2	9.2	13.8



#54

2,4-Dinitrophenol

Concen: 8.352 ng

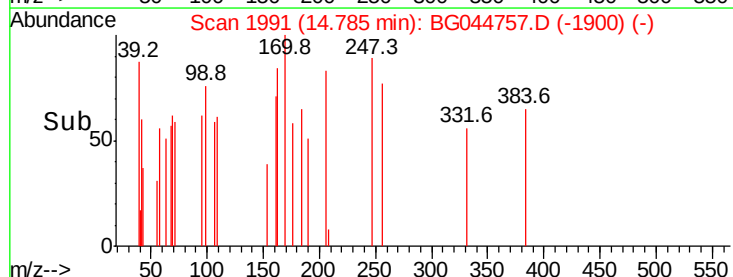
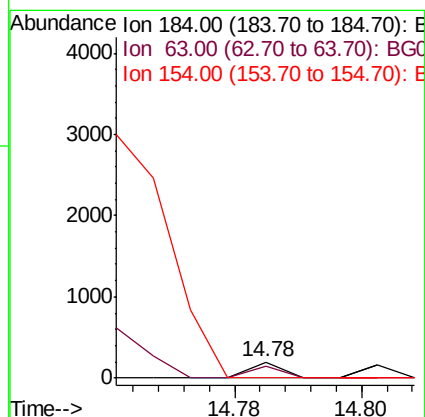
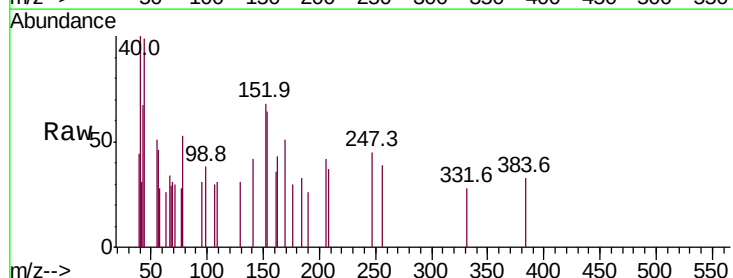
RT: 14.78 min Scan# 1991

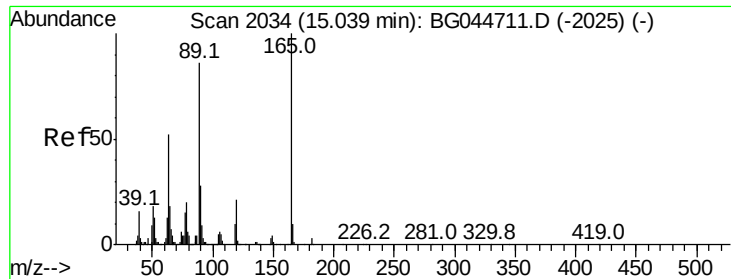
Delta R.T. 0.01 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

Tgt Ion:	184	Resp:	69
Ion Ratio	Lower	Upper	
184	100		
63	78.1	49.0	73.6#
154	0.0	94.5	141.7#

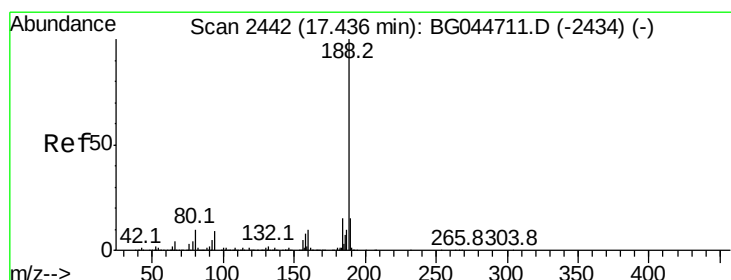
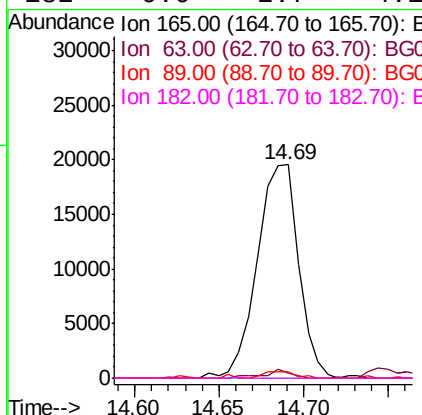
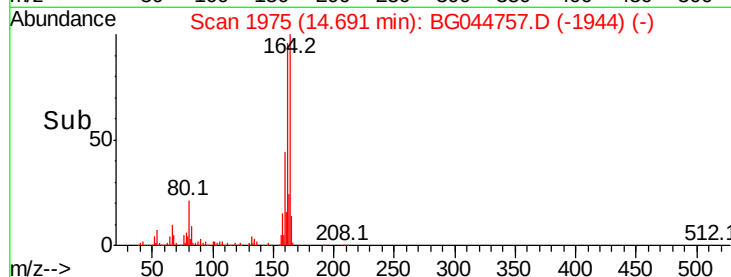
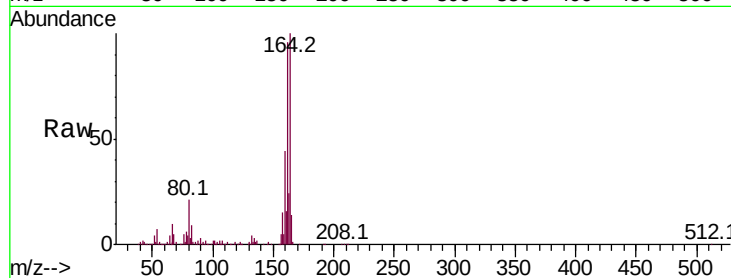




#57
 2,4-Dinitrotoluene
 Concen: 5.958 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.35 min
 Lab File: BG044757.D
 Acq: 13 Mar 2020 6:04

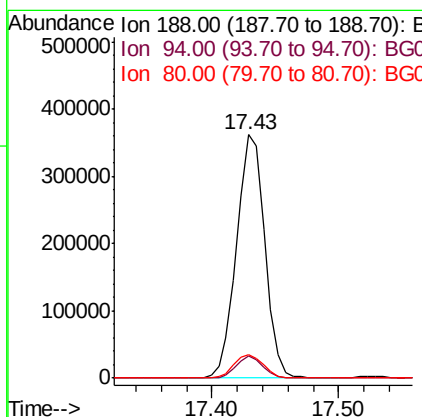
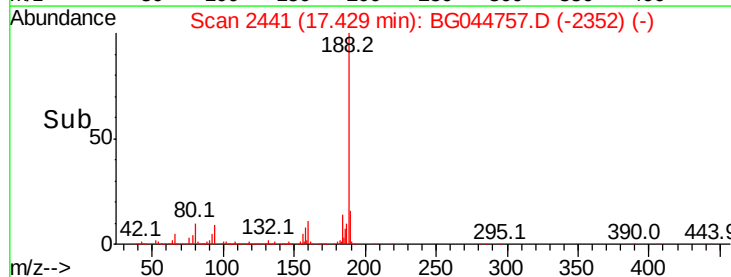
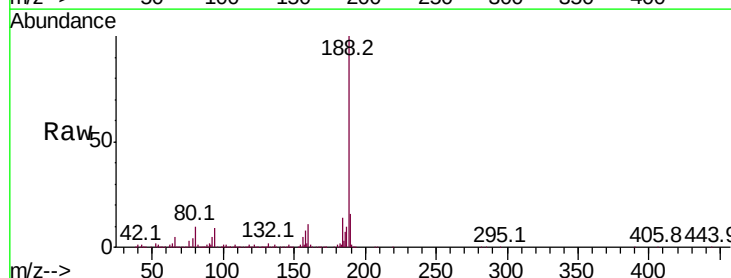
Instrument :
 BNA_G
 ClientSampleId :

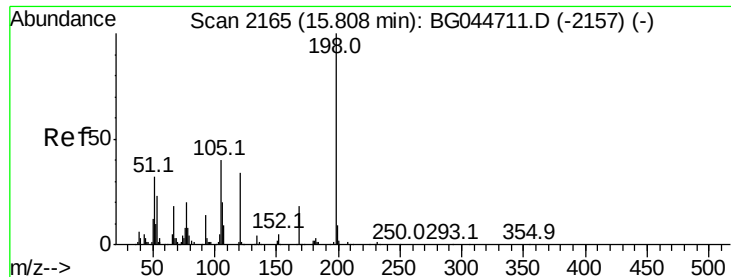
Tot Ion:165 Resp: 33172
 Ion Ratio Lower Upper
 165 100
 63 2.4 41.5 62.3#
 89 2.9 69.0 103.4#
 182 0.0 2.7 4.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG044757.D
 Acq: 13 Mar 2020 6:04

Tgt Ion:188 Resp: 557619
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.0 10.6
 80 9.6 8.4 12.6

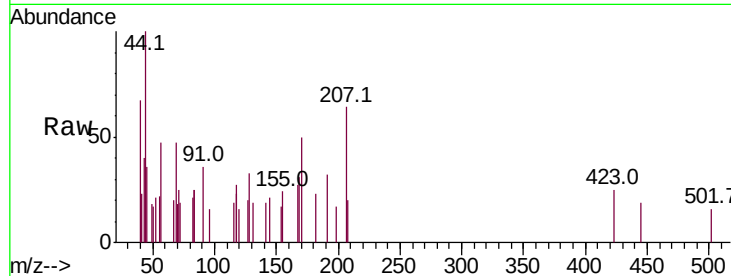




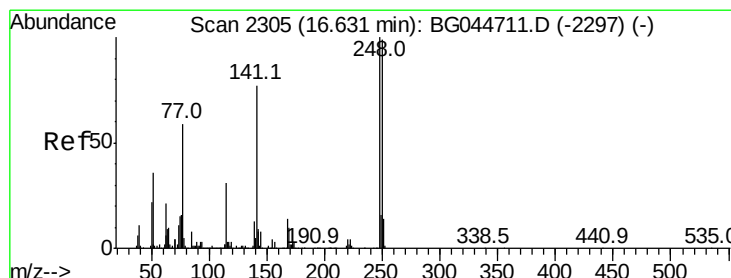
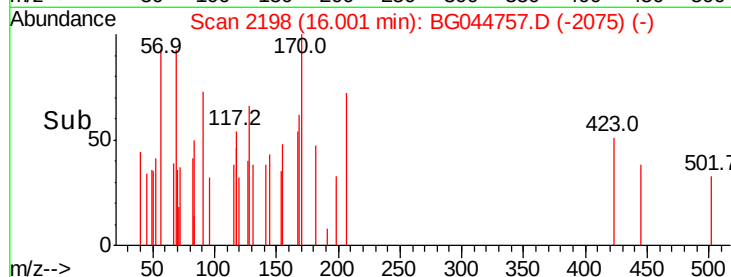
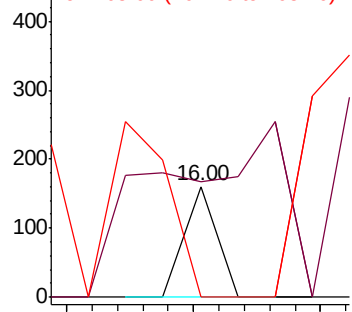
#65
4,6-Dinitro-2-methylphenol
Concen: 7.746 ng
RT: 16.00 min Scan# 2198
Delta R.T. 0.19 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
51 104.4 20.1 60.1#
105 0.0 21.3 61.3#

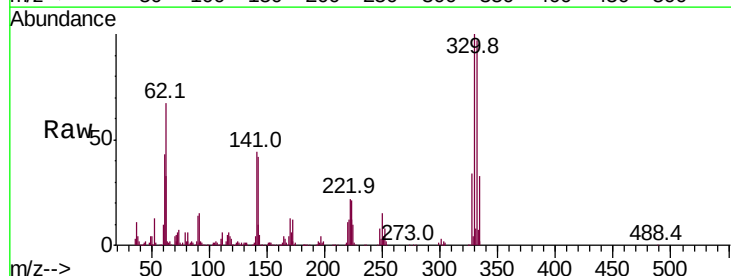


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

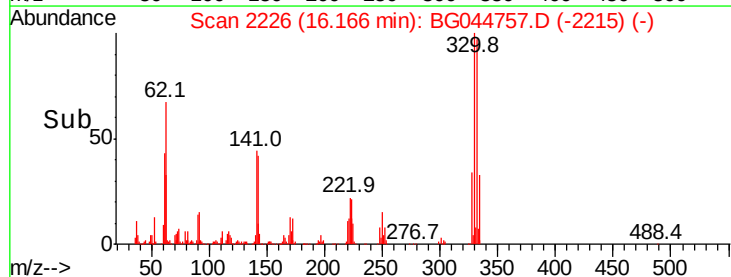
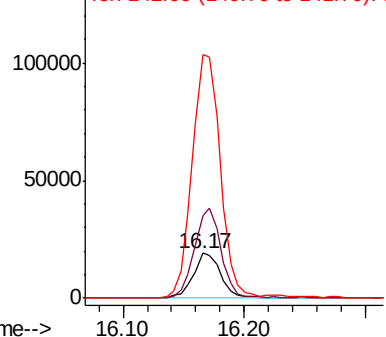


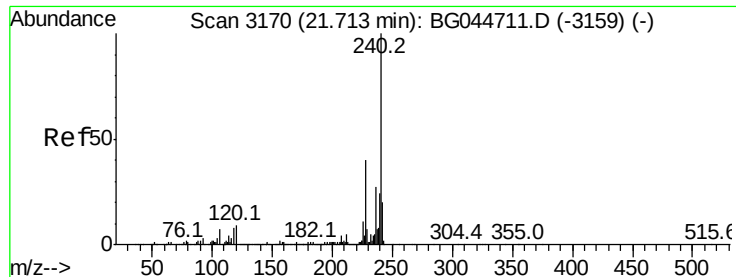
#67
4-Bromophenyl-phenylether
Concen: 4.300 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.47 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

Tgt Ion:248 Resp: 29976
Ion Ratio Lower Upper
248 100
250 184.3 79.4 119.0#
141 545.4 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

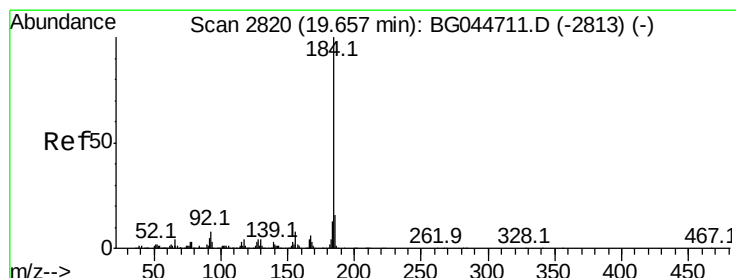
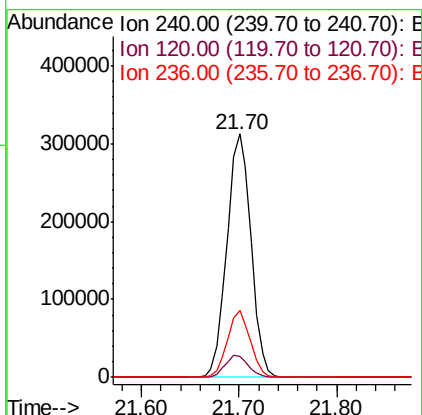
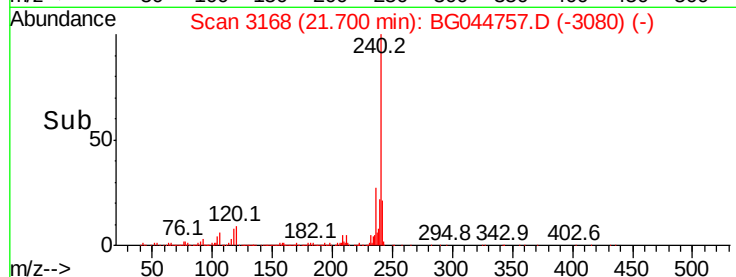
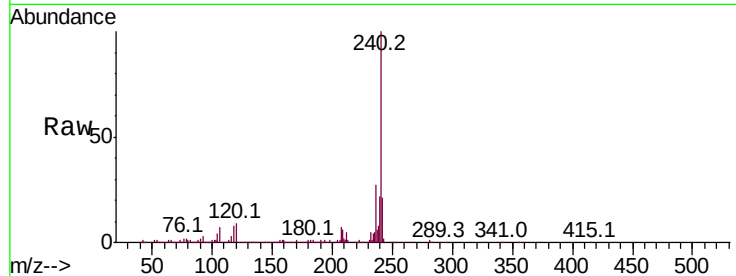




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

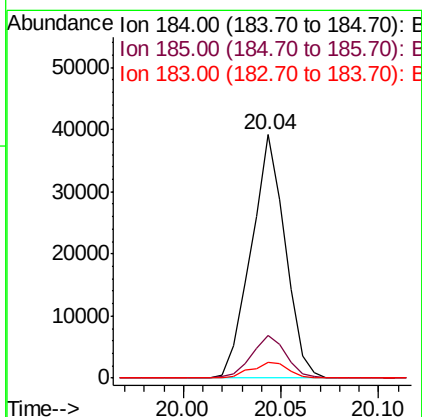
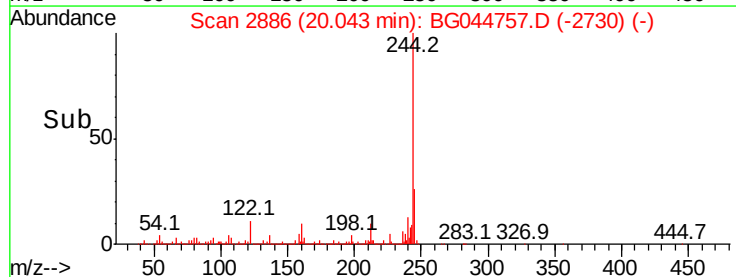
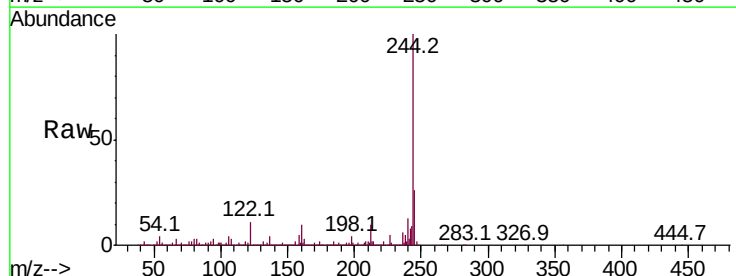
Instrument :
BNA_G
ClientSampleId :

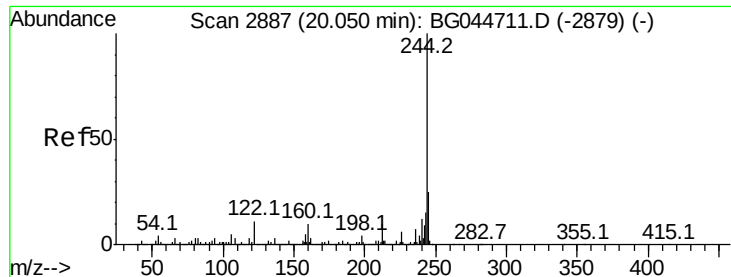
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.9	10.3
236	27.5	21.9	32.9



#77
Benzidine
Concen: 2.726 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.39 min
Lab File: BG044757.D
Acq: 13 Mar 2020 6:04

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.5	12.9	19.3
183	6.5	10.6	15.8





#79

Terphenyl-d14

Concen: 81.531 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

Instrument :

BNA_G

ClientSampleId :

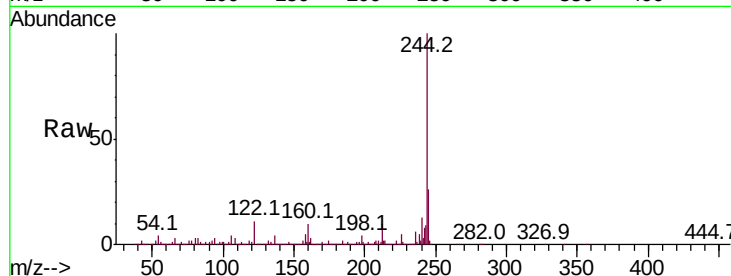
Tot Ion:244 Resp: 2322980

Ion Ratio Lower Upper

244 100

212 10.4 8.4 12.6

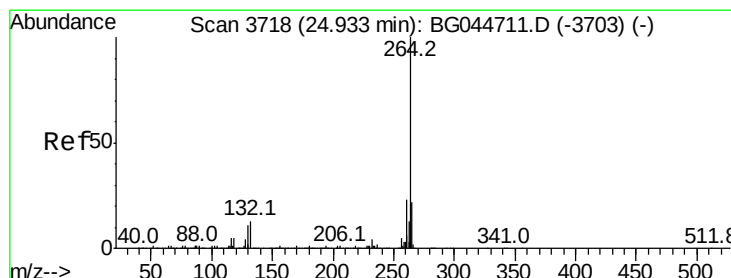
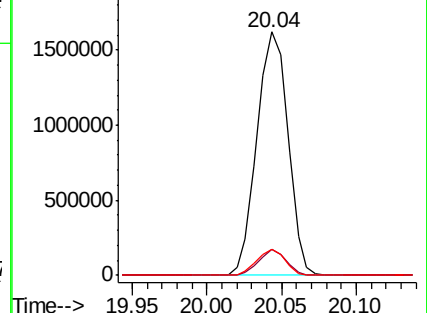
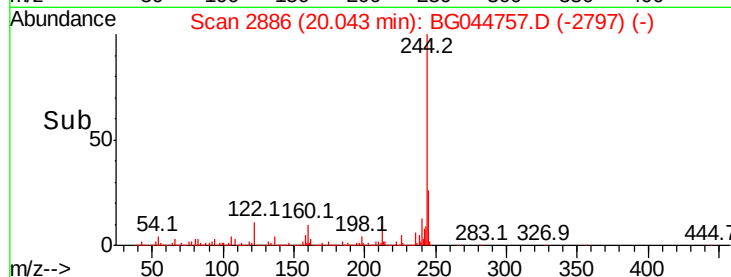
122 10.6 8.7 13.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3715

Delta R.T. -0.02 min

Lab File: BG044757.D

Acq: 13 Mar 2020 6:04

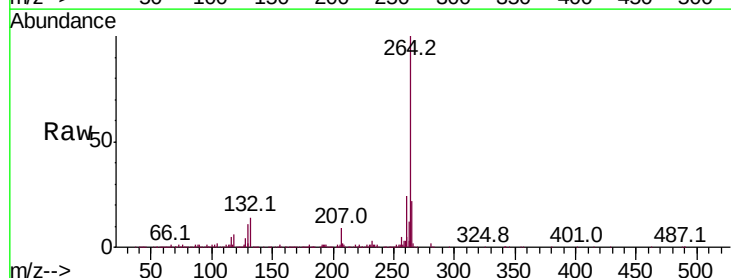
Tgt Ion:264 Resp: 599879

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.5 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

