

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044771.D
 Acq On : 13 Mar 2020 17:36
 Operator : CG/JU
 Sample : L1852-25
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:05:24 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	121971	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	506677	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	318703	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	632408	20.00	ng	0.00
76) Chrysene-d12	21.70	240	538442	20.00	ng	-0.01
87) Perylene-d12	24.93	264	628732	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	437625	55.85	ng	0.00
7) Phenol-d6	7.21	99	391623	34.40	ng	0.00
23) Nitrobenzene-d5	9.21	82	956374	82.83	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	520504	124.73	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1848429	83.06	ng	0.00
79) Terphenyl-d14	20.04	244	2202418	76.51	ng	0.00

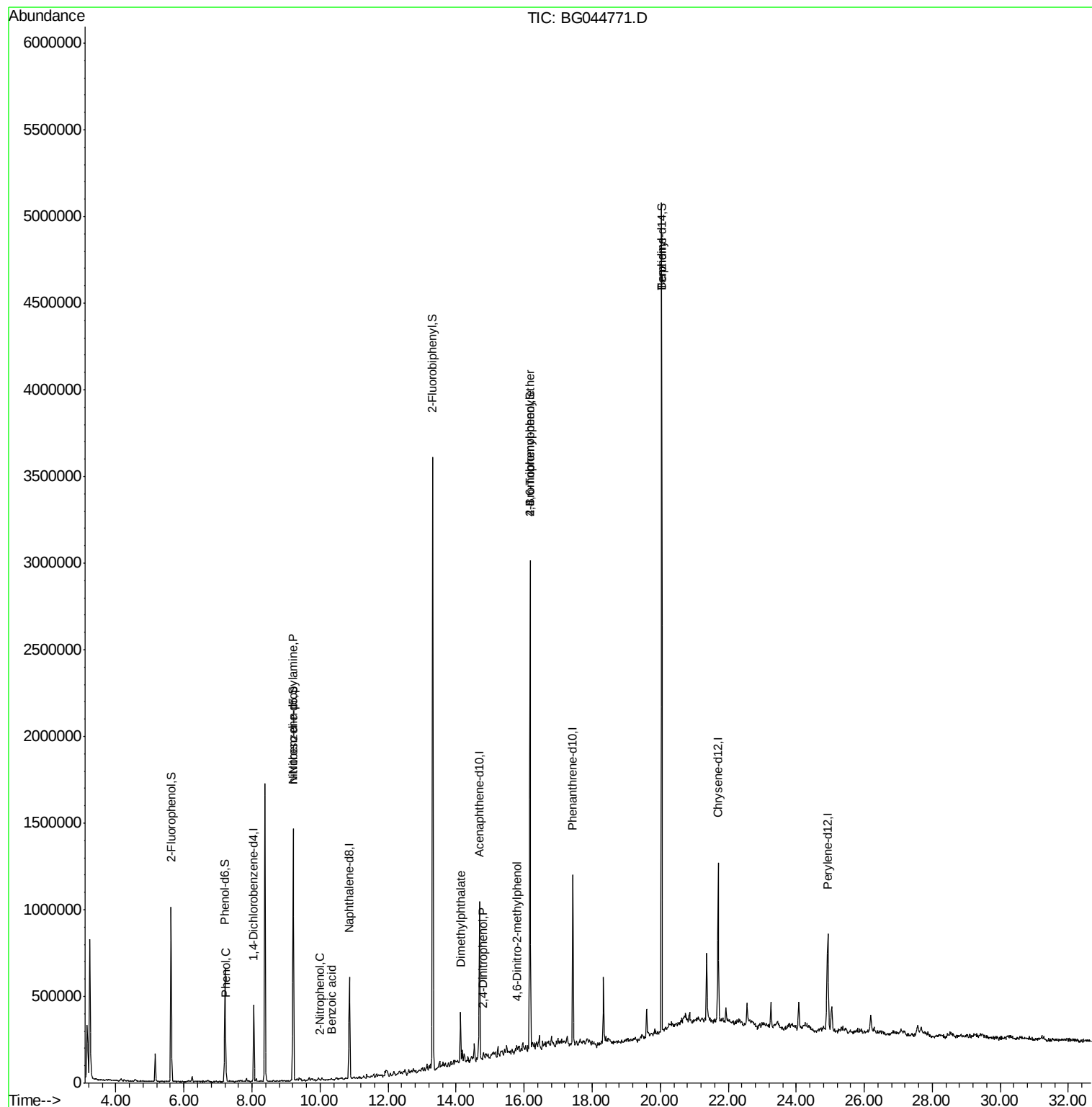
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1697	Below Cal		# 35
10) Phenol	7.23	94	42654	3.785	ng	# 91
19) n-Nitroso-di-n-propylamine	9.21	70	129415	16.100	ng	# 74
26) 2-Nitrophenol	10.00	139	61	5.528	ng	# 28
32) Benzoic acid	10.34	122	247	9.704	ng	# 92
50) Dimethylphthalate	14.13	163	142847	5.628	ng	# 98
54) 2,4-Dinitrophenol	14.81	184	79	8.349	ng	# 66
65) 4,6-Dinitro-2-methylphenol	15.79	198	287	7.809	ng	# 1
67) 4-Bromophenyl-phenylether	16.18	248	37867	4.790	ng	# 1
77) Benzidine	20.04	184	49306	2.821	ng	# 95

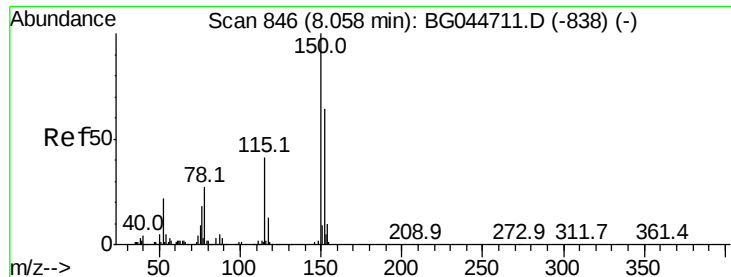
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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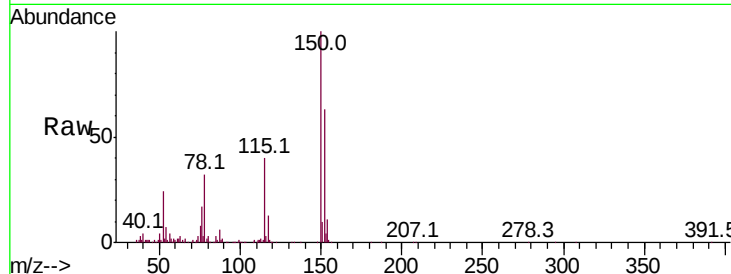


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044771.D
Acq: 13 Mar 2020 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.3	187.9
115	62.7	51.7	77.5

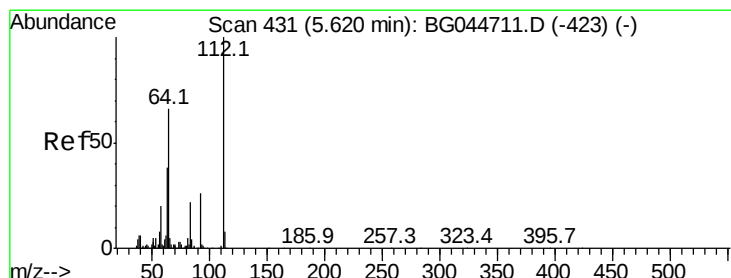
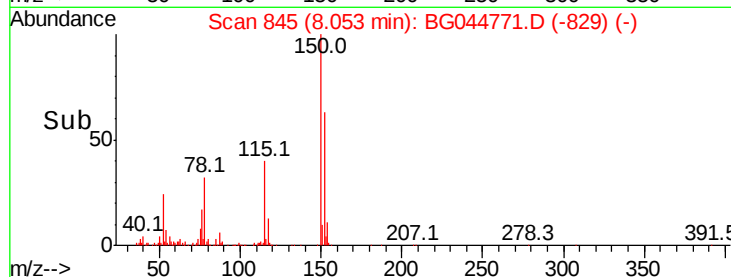
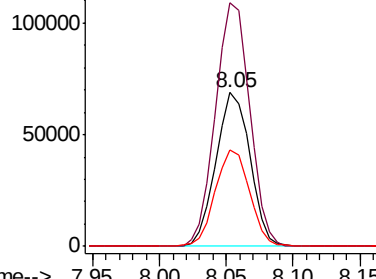


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

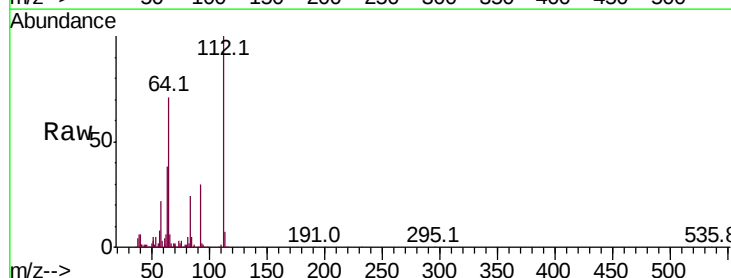
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 55.853 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044771.D
Acq: 13 Mar 2020 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.2	52.6	78.8
63	38.2	30.2	45.4

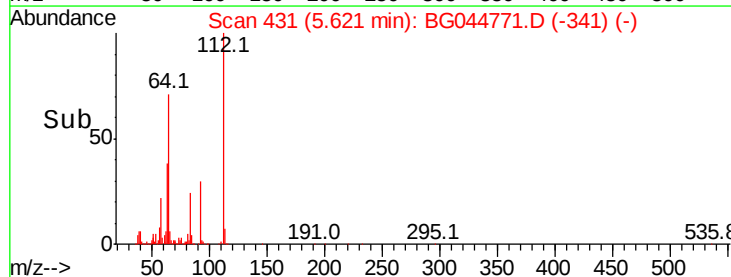
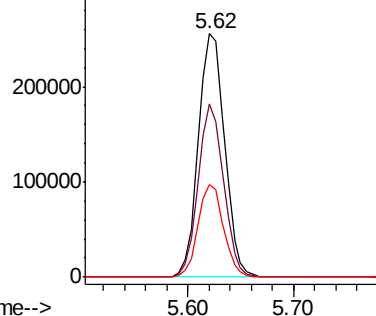


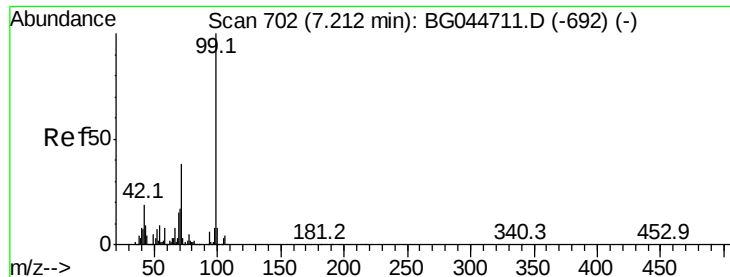
Abundance

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: 34.401 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

Instrument :

BNA_G

ClientSampleId :

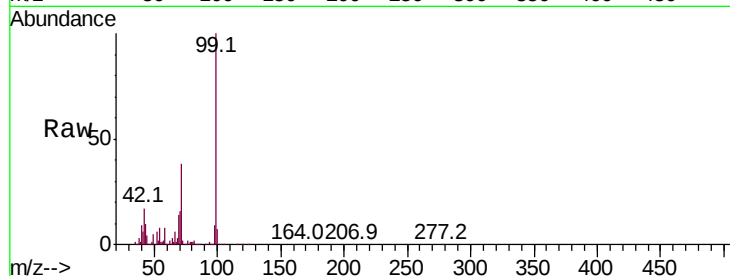
Tot Ion: 99 Resp: 391623

Ion Ratio Lower Upper

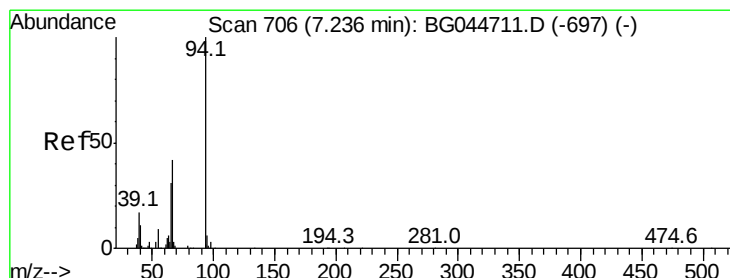
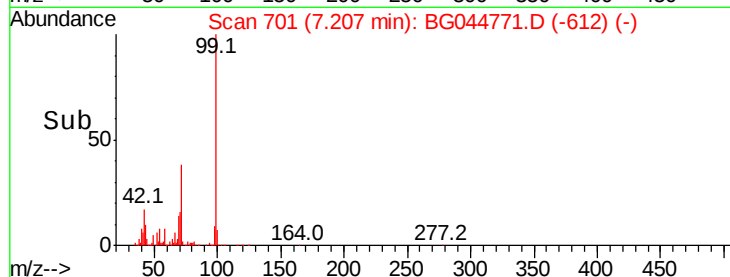
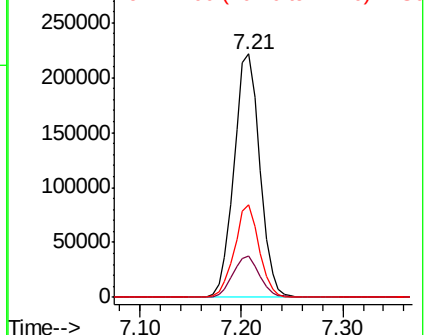
99 100

42 17.2 15.4 23.0

71 37.9 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



#10

Phenol

Concen: 3.785 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

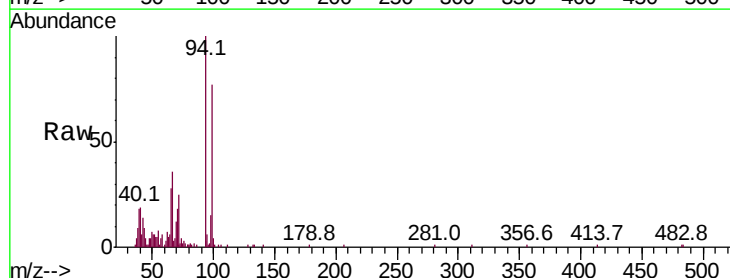
Tgt Ion: 94 Resp: 42654

Ion Ratio Lower Upper

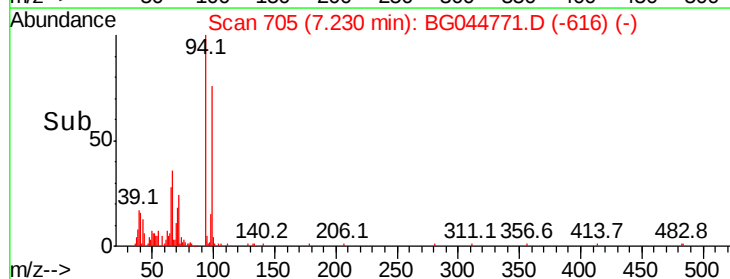
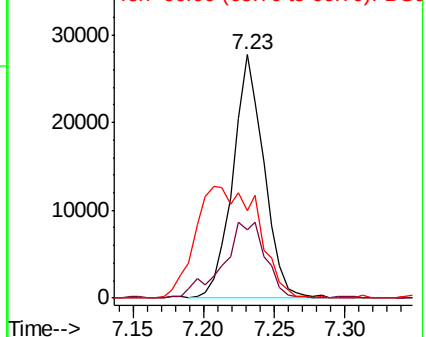
94 100

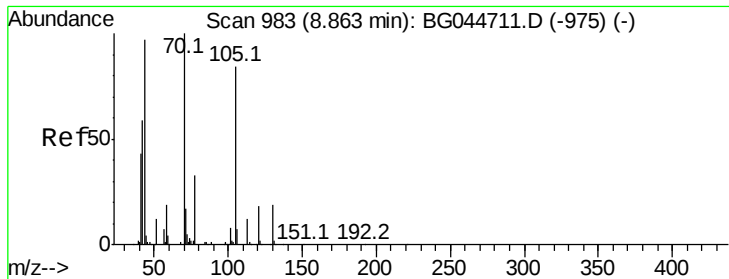
65 28.1 11.3 51.3

66 36.1 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: 16.100 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 129415

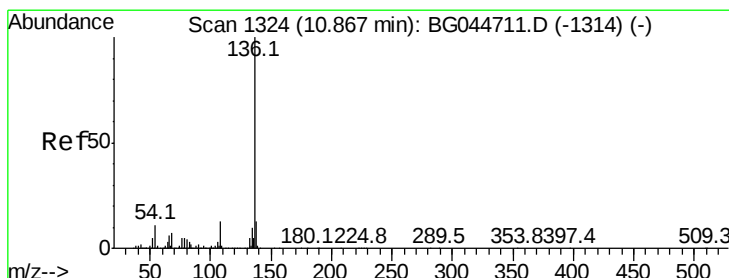
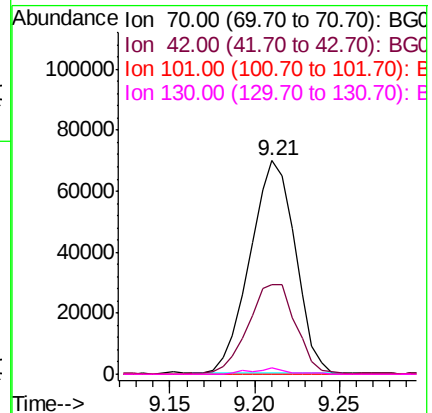
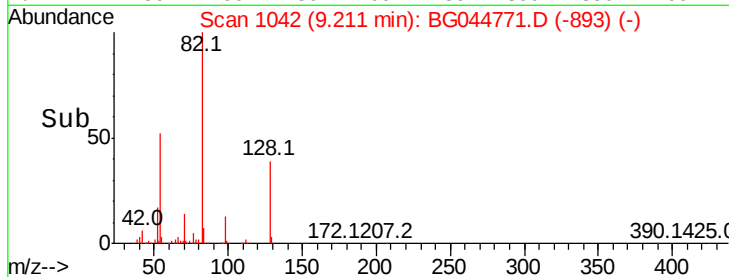
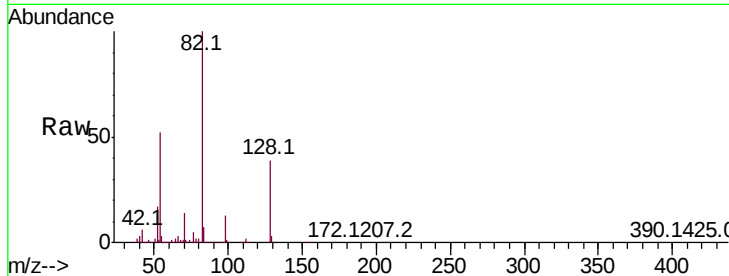
Ion Ratio Lower Upper

70 100

42 41.8 47.6 71.4#

101 0.0 6.5 9.7#

130 2.8 15.0 22.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

Tgt Ion: 136 Resp: 506677

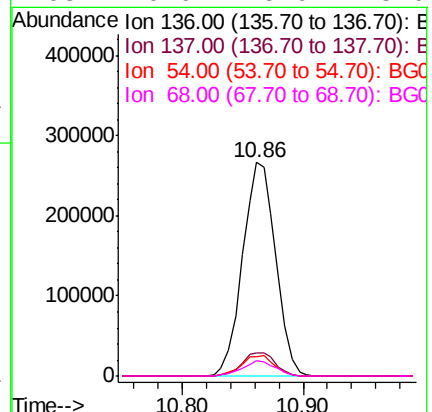
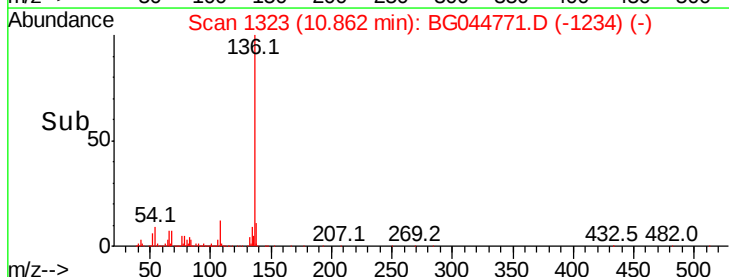
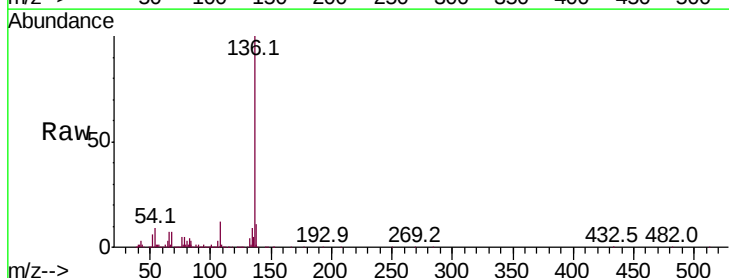
Ion Ratio Lower Upper

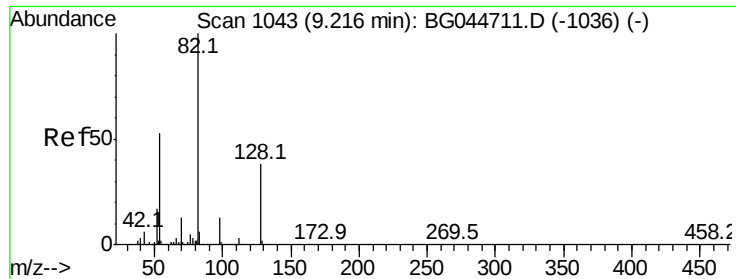
136 100

137 11.0 10.7 16.1

54 8.8 9.0 13.4#

68 6.9 5.9 8.9

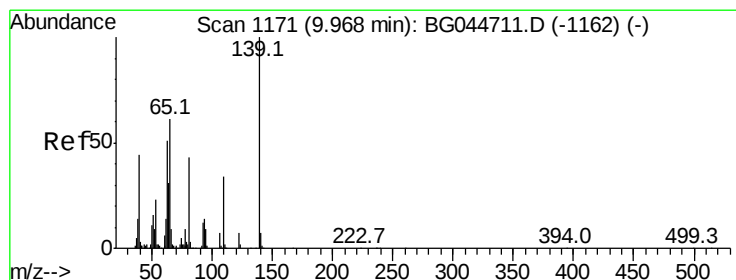
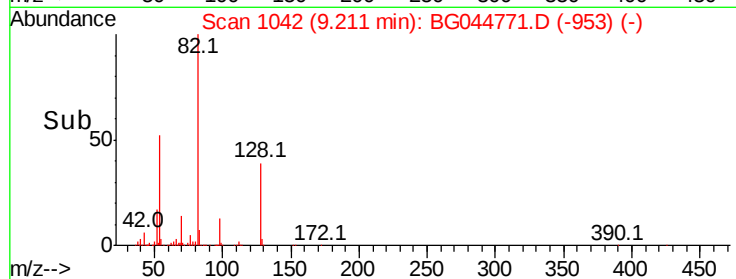
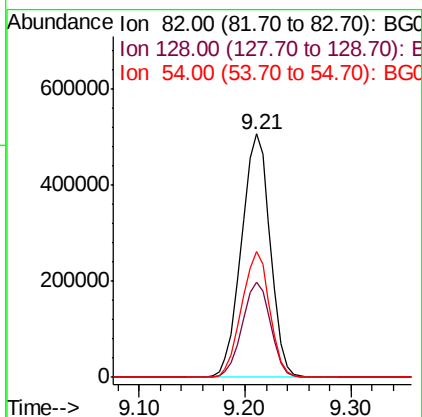
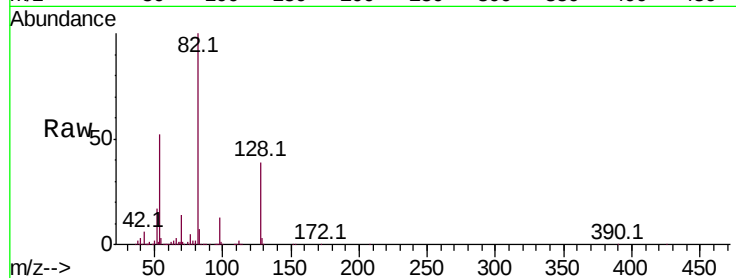




#23
Nitrobenzene-d5
Concen: 82.828 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044771.D
Acq: 13 Mar 2020 17:36

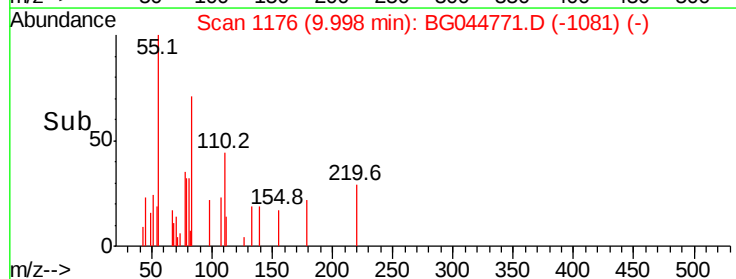
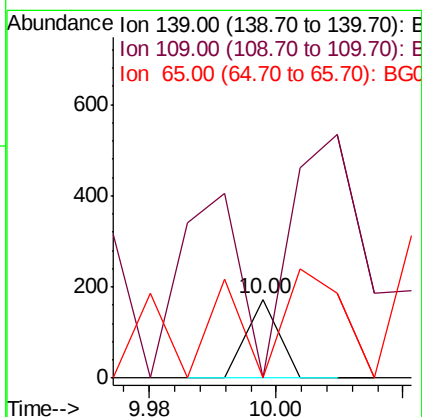
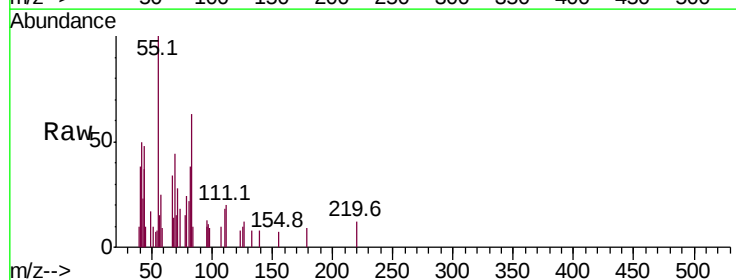
Instrument :
BNA_G
ClientSampleId :

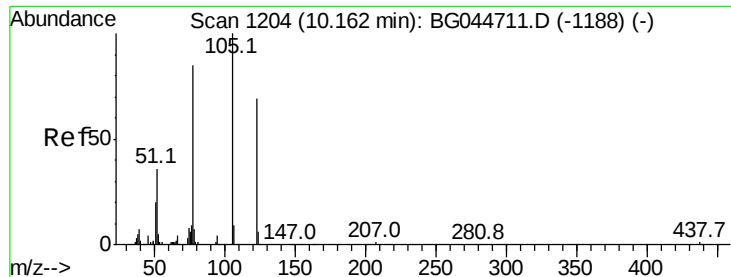
Tot Ion	82	Resp	956374
Ion Ratio	Lower	Upper	
82	100		
128	39.3	30.2	45.2
54	51.5	41.8	62.8



#26
2-Nitrophenol
Concen: 5.528 ng
RT: 10.00 min Scan# 1176
Delta R.T. 0.03 min
Lab File: BG044771.D
Acq: 13 Mar 2020 17:36

Tgt Ion	139	Resp	61
Ion Ratio	Lower	Upper	
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#





#32

Benzoic acid

Concen: 9.704 ng

RT: 10.34 min Scan# 1235

Delta R.T. 0.18 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

Instrument :

BNA_G

ClientSampleId :

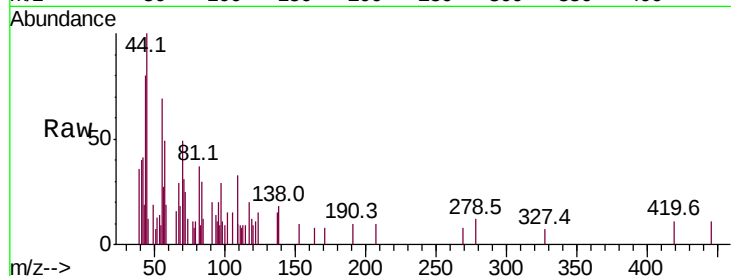
Tot Ion:122 Resp: 247

Ion Ratio Lower Upper

122 100

105 137.3 119.0 159.0

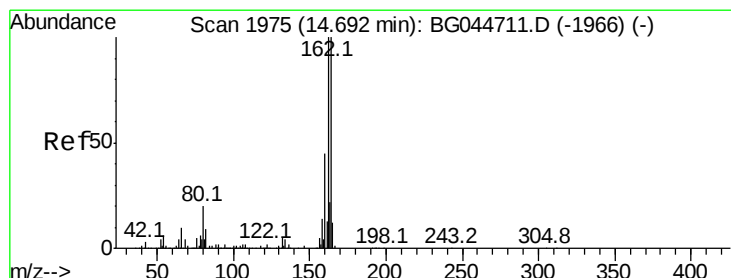
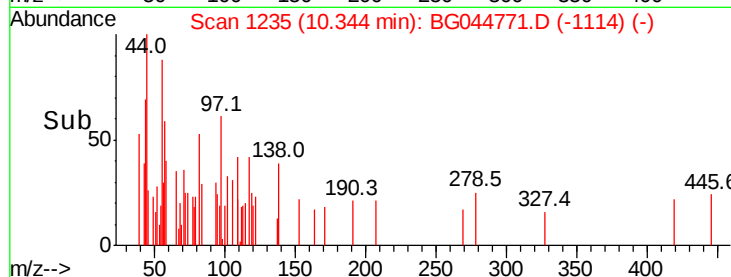
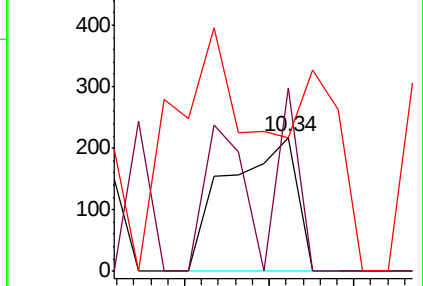
77 100.0 96.4 136.4



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: BG044771.D

Acq: 13 Mar 2020 17:36

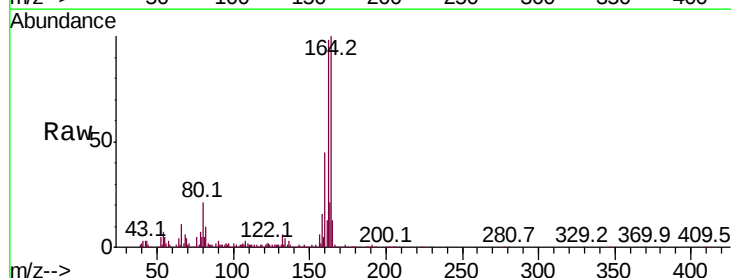
Tgt Ion:164 Resp: 318703

Ion Ratio Lower Upper

164 100

162 98.2 80.2 120.4

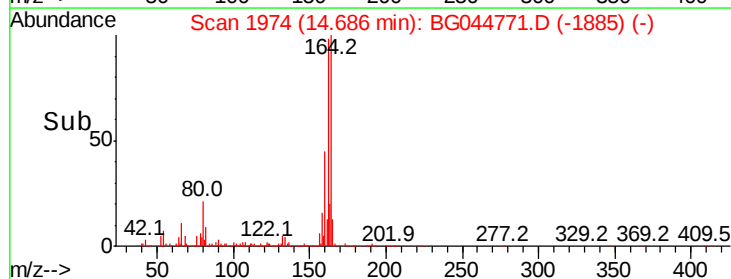
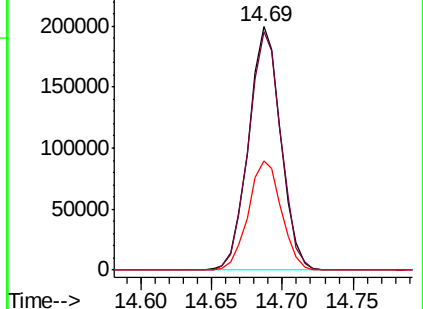
160 44.9 36.2 54.2

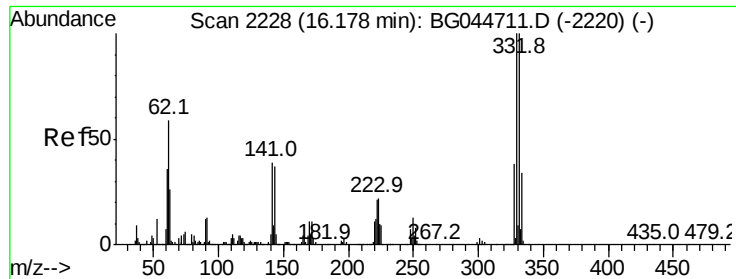


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

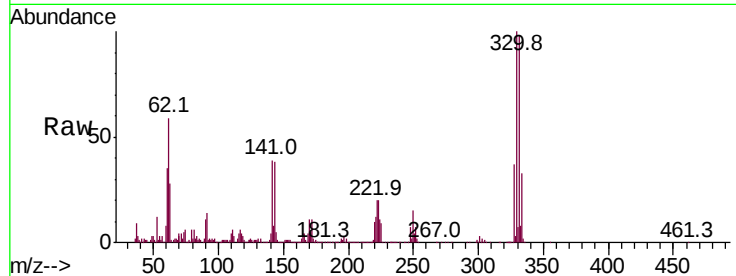




#42
 2,4,6-Tribromophenol
 Concen: 124.734 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG044771.D
 Acq: 13 Mar 2020 17:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.5	116.3
141	39.3	31.7	47.5

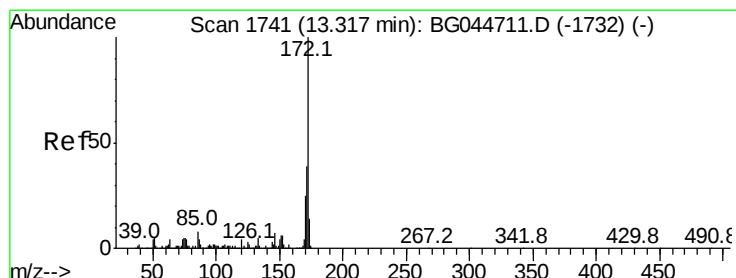
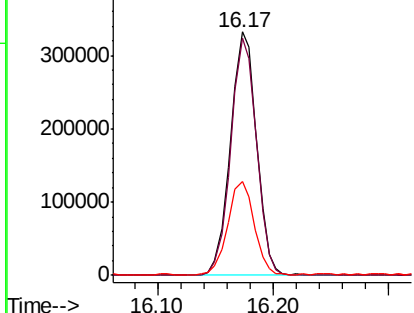
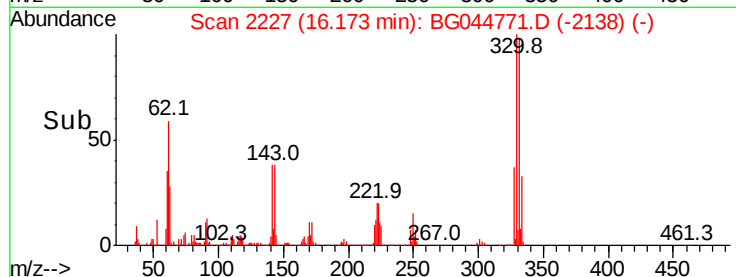


Abundance

Ion 329.80 (329.50 to 330.50): E

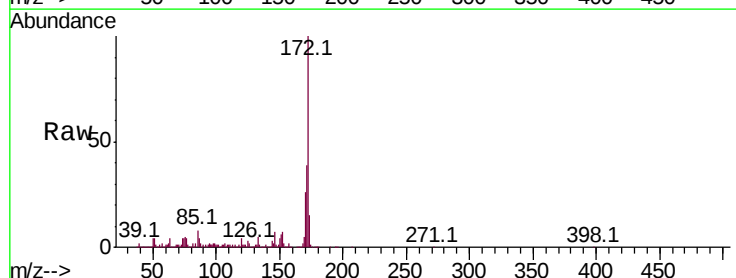
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 83.056 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG044771.D
 Acq: 13 Mar 2020 17:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.3	30.8	46.2
170	25.5	20.0	30.0

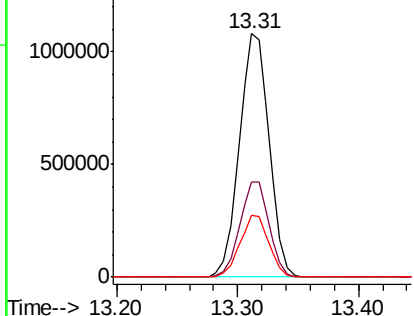
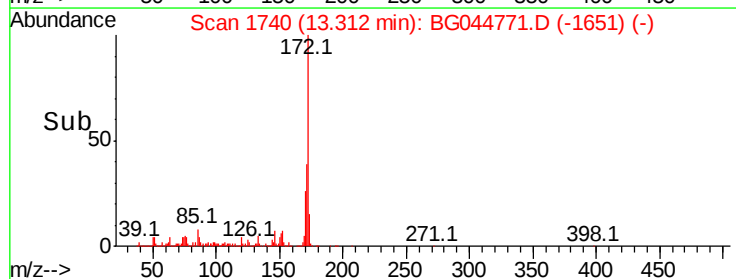


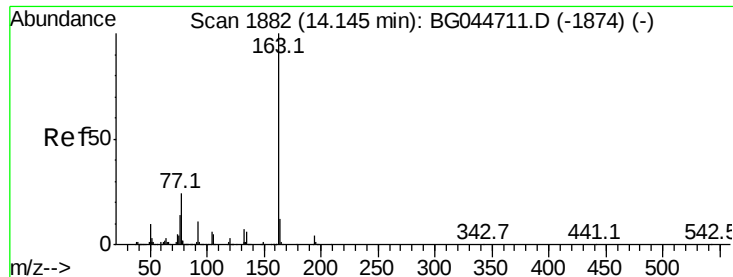
Abundance

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: 5.628 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

Instrument :

BNA_G

ClientSampleId :

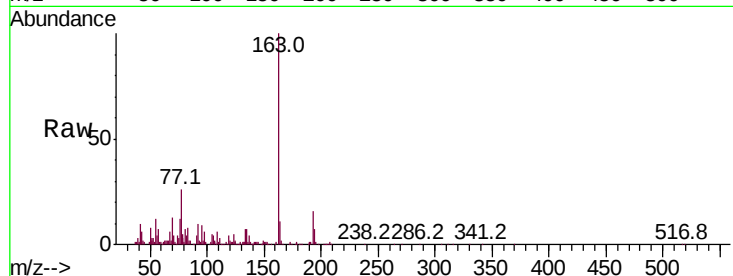
Tot Ion:163 Resp: 142847

Ion Ratio Lower Upper

163 100

194 7.3 3.5 5.3#

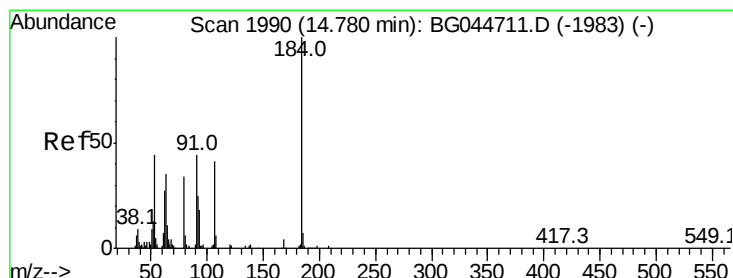
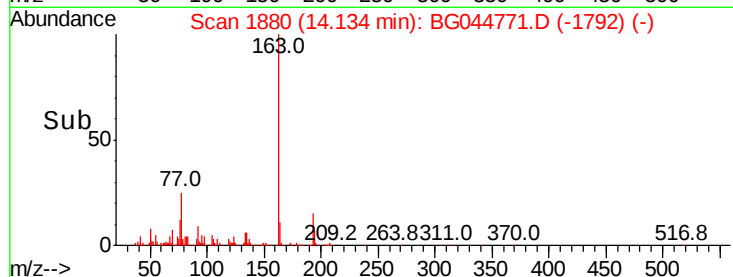
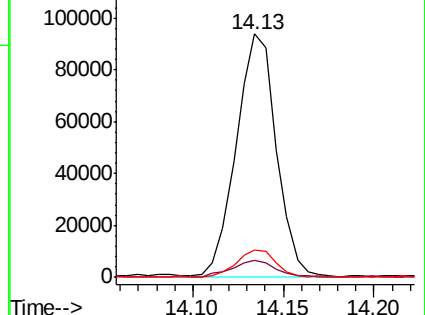
164 11.5 9.2 13.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 8.349 ng

RT: 14.81 min Scan# 1995

Delta R.T. 0.03 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

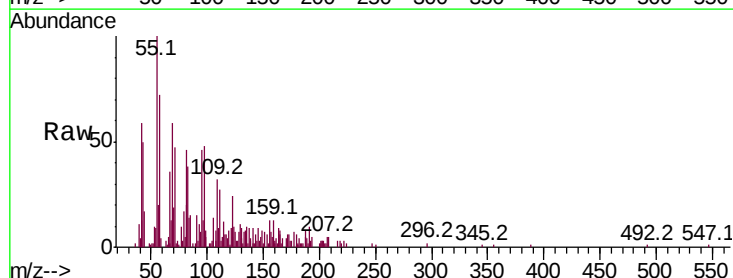
Tgt Ion:184 Resp: 79

Ion Ratio Lower Upper

184 100

63 135.6 49.0 73.6#

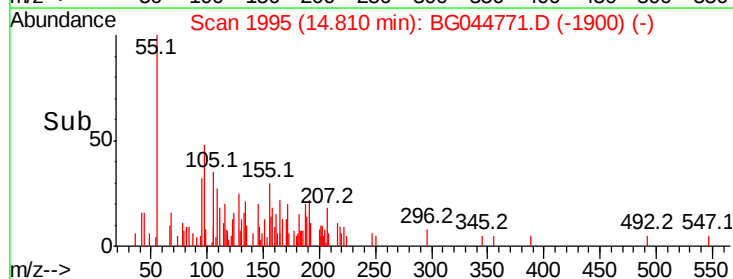
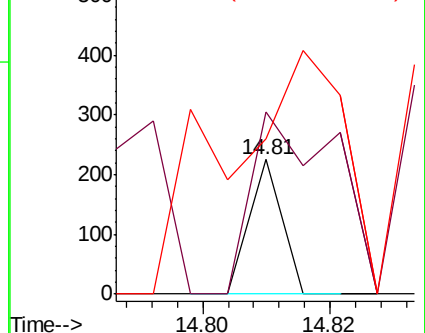
154 116.0 94.5 141.7

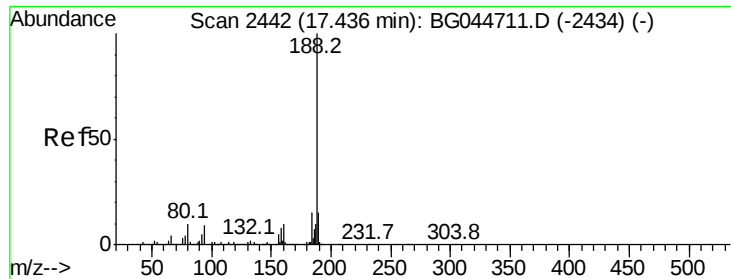


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

Instrument :

BNA_G

ClientSampleId :

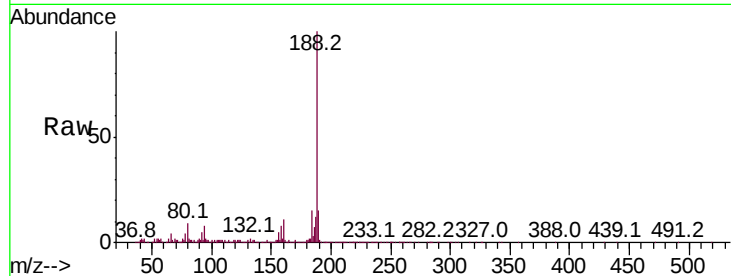
Tot Ion:188 Resp: 632408

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

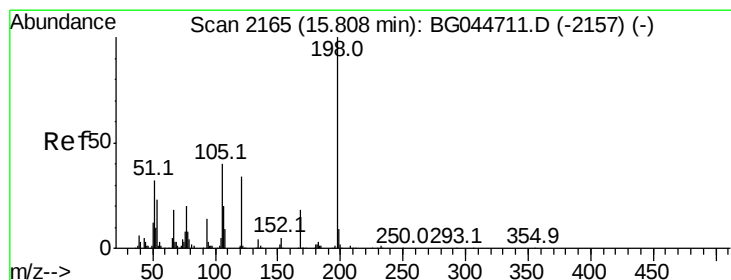
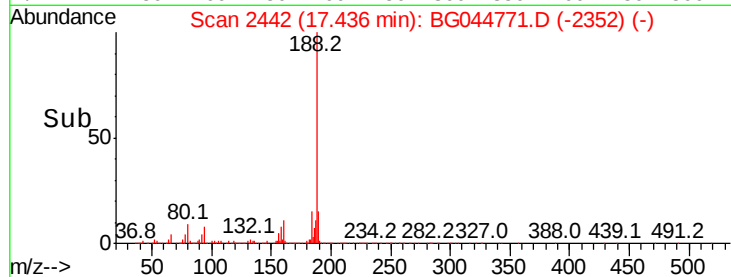
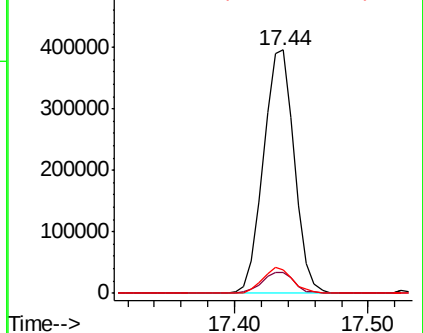
80 9.5 8.4 12.6



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: 7.809 ng

RT: 15.79 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

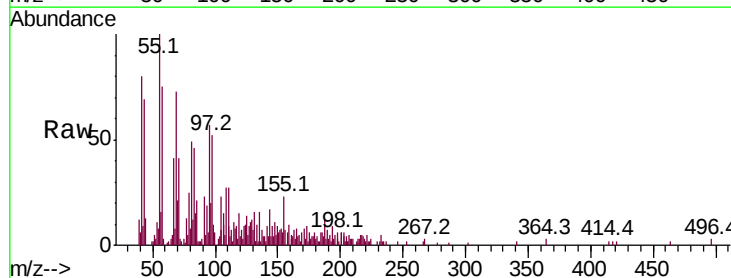
Tgt Ion:198 Resp: 287

Ion Ratio Lower Upper

198 100

51 84.3 20.1 60.1#

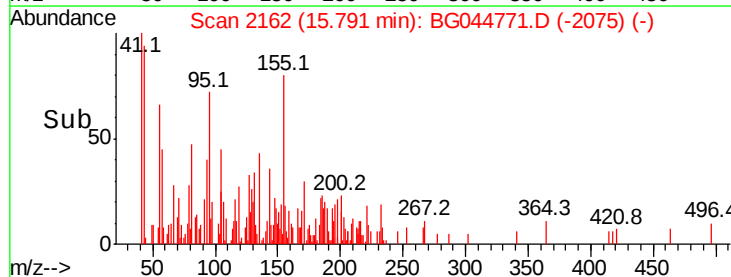
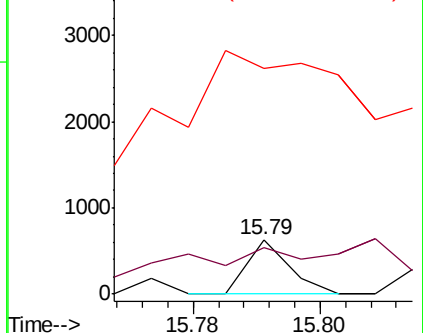
105 414.3 21.3 61.3#

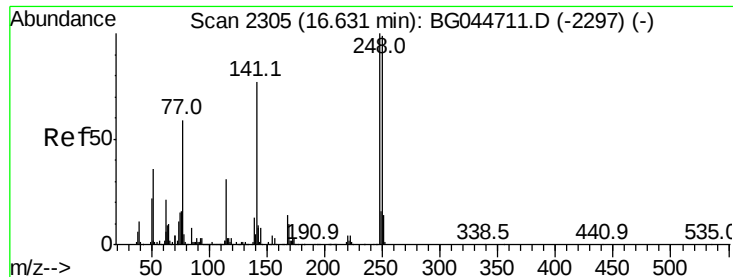


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

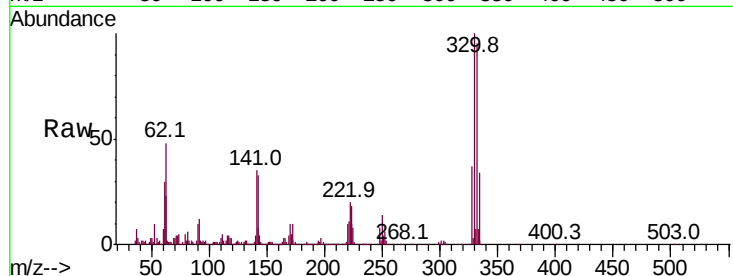




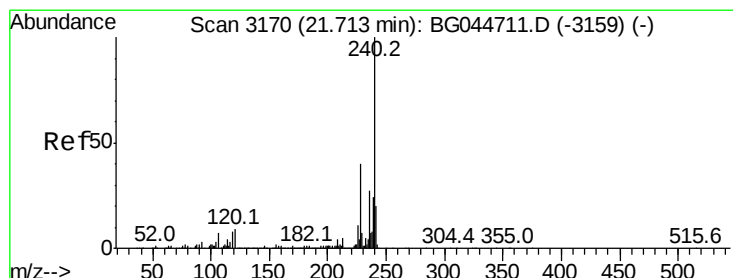
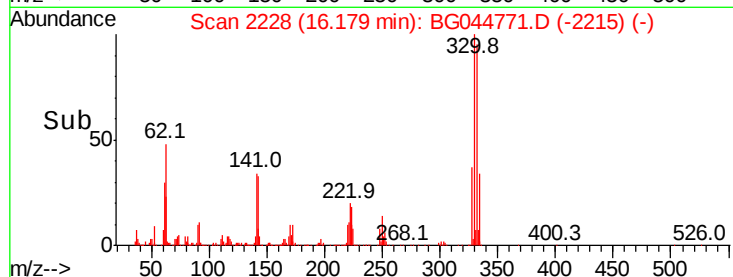
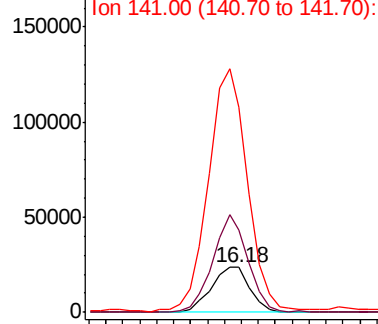
#67
4-Bromophenyl-phenylether
Concen: 4.790 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG044771.D
Acq: 13 Mar 2020 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 37867
Ion Ratio Lower Upper
248 100
250 182.7 79.4 119.0#
141 457.9 61.7 92.5#

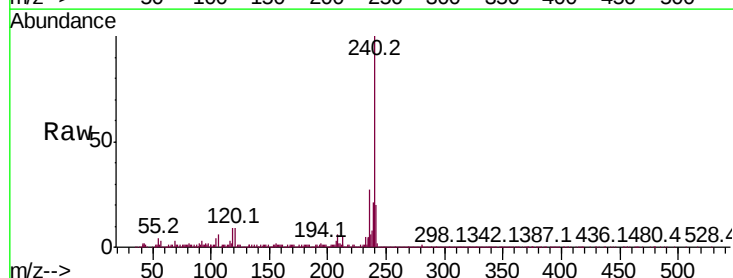


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

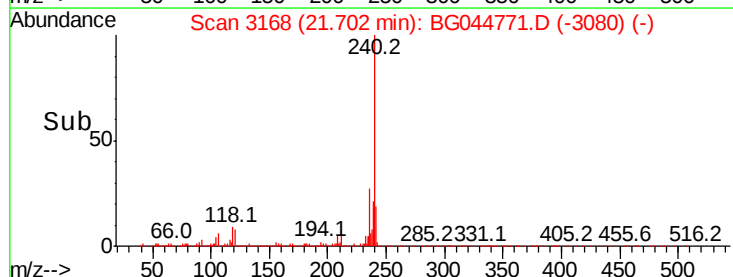
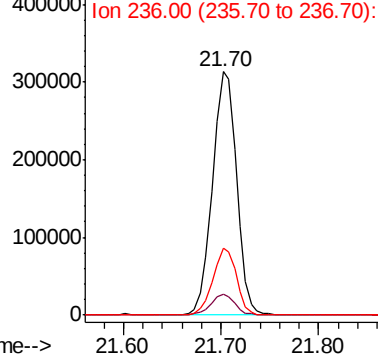


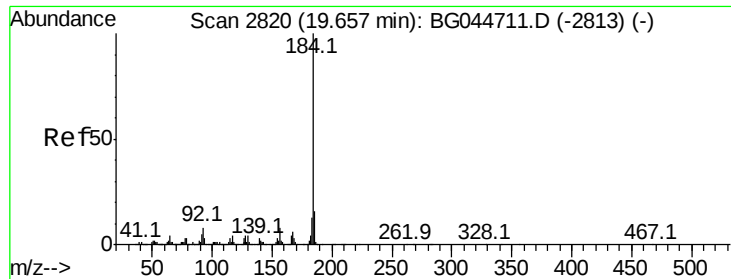
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044771.D
Acq: 13 Mar 2020 17:36

Tgt Ion:240 Resp: 538442
Ion Ratio Lower Upper
240 100
120 8.7 6.9 10.3
236 27.3 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: 2.821 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

Instrument :

BNA_G

ClientSampleId :

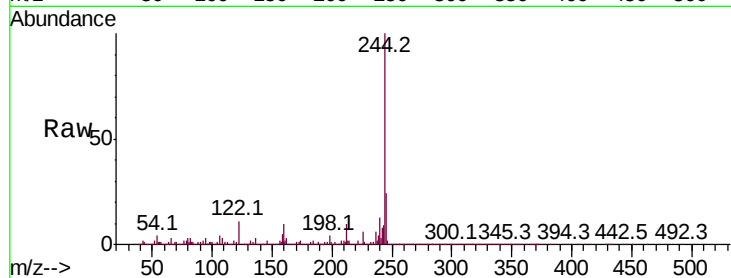
Tot Ion:184 Resp: 49306

Ion Ratio Lower Upper

184 100

185 16.2 12.9 19.3

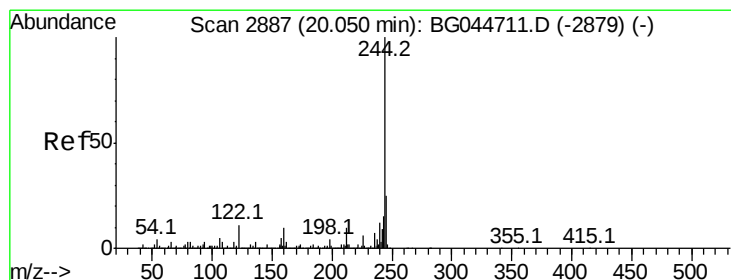
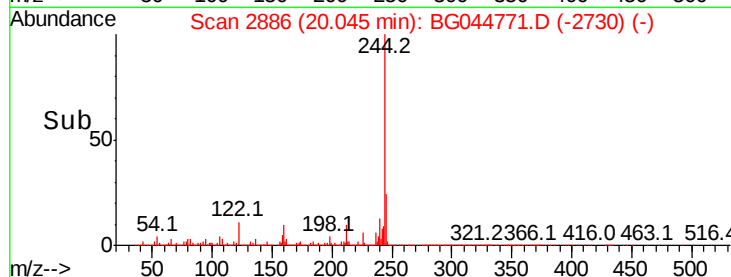
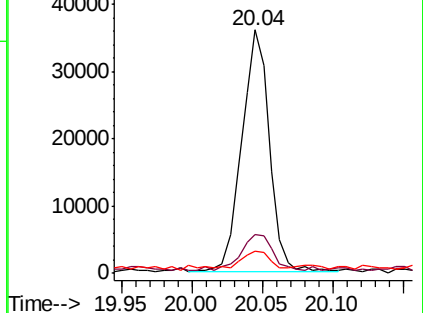
183 8.9 10.6 15.8#



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: 76.512 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044771.D

Acq: 13 Mar 2020 17:36

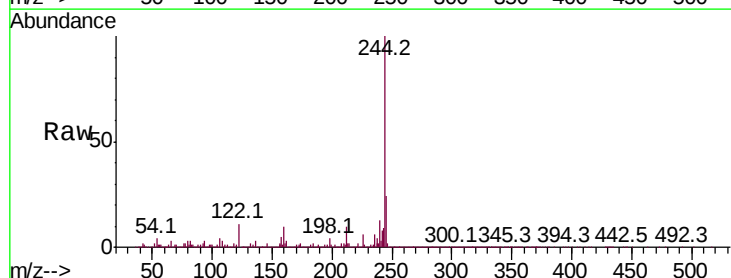
Tgt Ion:244 Resp: 2202418

Ion Ratio Lower Upper

244 100

212 9.9 8.4 12.6

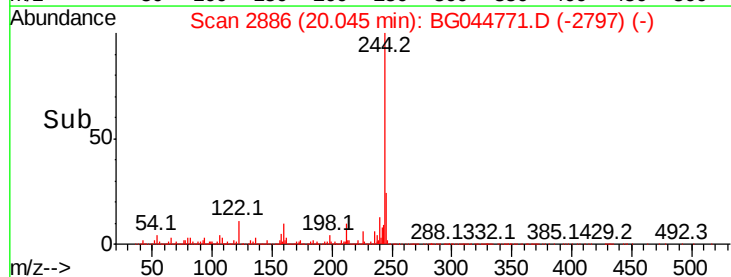
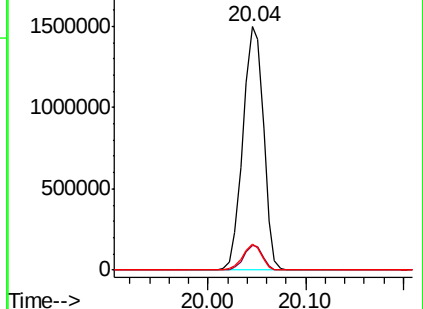
122 10.6 8.7 13.1

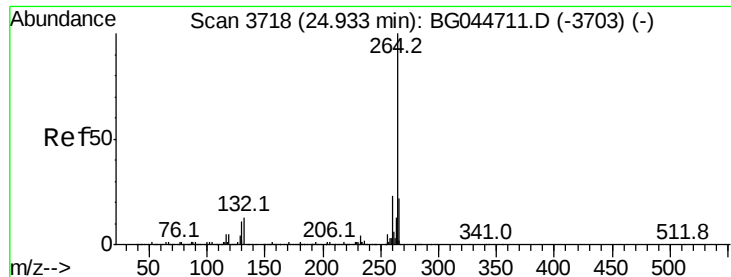


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

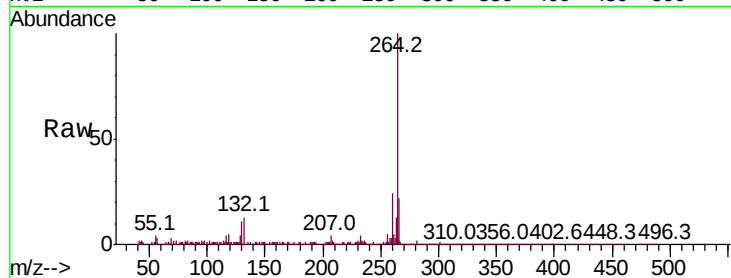




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG044771.D
Acq: 13 Mar 2020 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.4	27.6
265	22.3	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

