

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044775.D
 Acq On : 13 Mar 2020 20:15
 Operator : CG/JU
 Sample : L1913-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:06:10 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

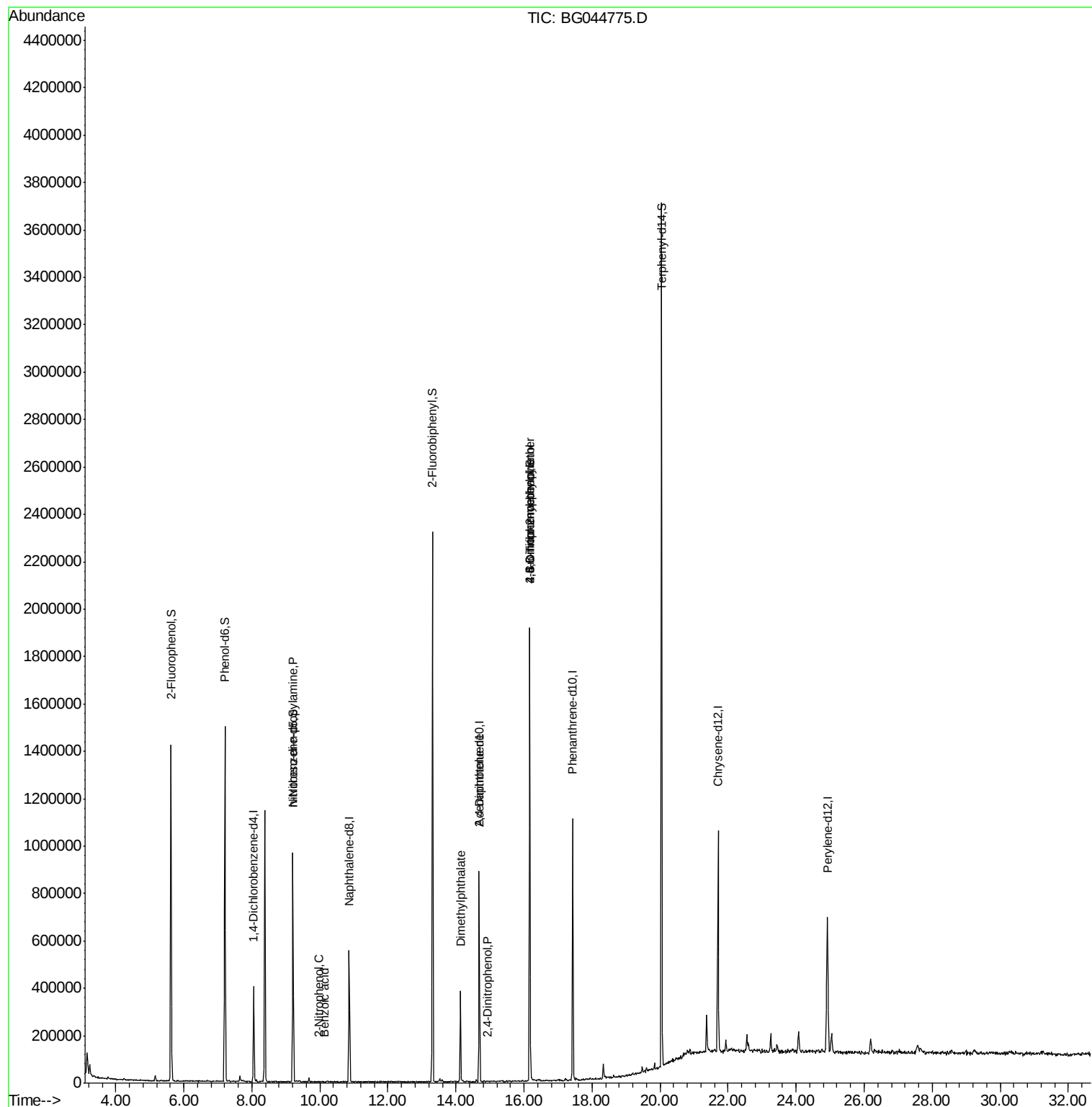
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	113066	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	482089	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	327084	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	699871	20.00	ng	0.00
76) Chrysene-d12	21.70	240	566243	20.00	ng	0.00
87) Perylene-d12	24.92	264	646639	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	620073	85.37	ng	0.00
7) Phenol-d6	7.20	99	916645	86.86	ng	0.00
23) Nitrobenzene-d5	9.21	82	610202	55.54	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	372557	86.99	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1269933	55.60	ng	0.00
79) Terphenyl-d14	20.04	244	1765001	58.31	ng	0.00
Target Compounds				Qvalue		
9) Benzaldehyde	7.21	77	2348	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.21	70	80135	10.754	ng	# 80
26) 2-Nitrophenol	9.96	139	93	5.536	ng	# 28
32) Benzoic acid	10.13	122	110	9.686	ng	# 1
50) Dimethylphthalate	14.13	163	242030	9.291	ng	98
54) 2,4-Dinitrophenol	14.93	184	53	8.340	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	42393	5.887	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.17	198	1217	8.038	ng	# 1
67) 4-Bromophenyl-phenylether	16.18	248	25281	2.889	ng	# 1

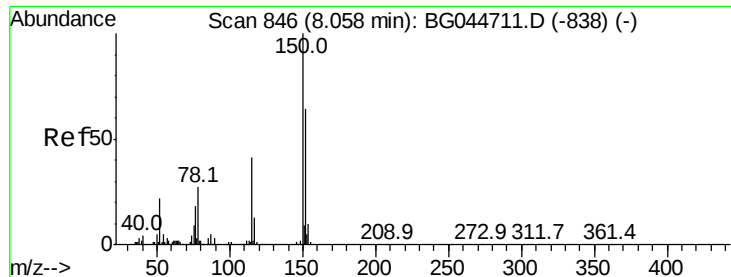
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044775.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 13 23:06:10 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



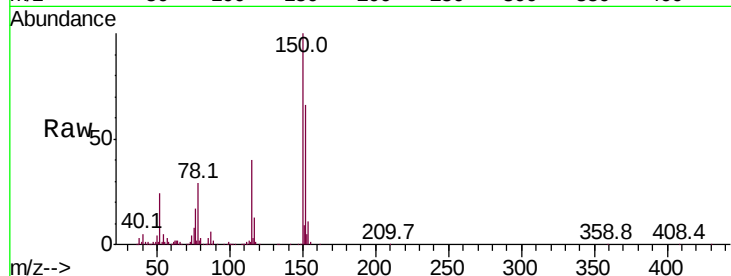


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044775.D
Acq: 13 Mar 2020 20:15

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	125.3	187.9
115	60.1	51.7	77.5

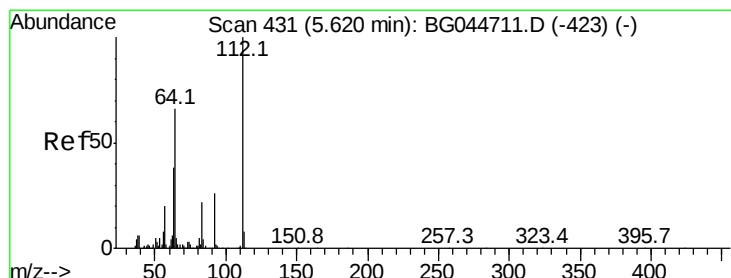
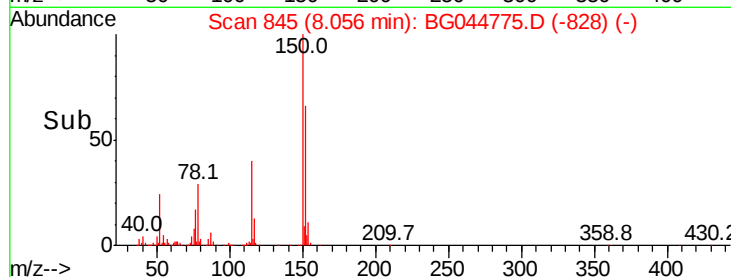
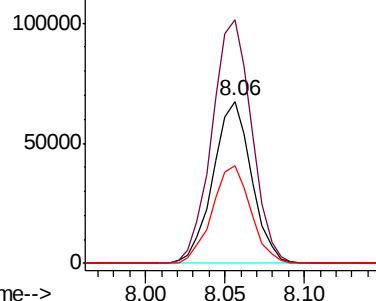


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

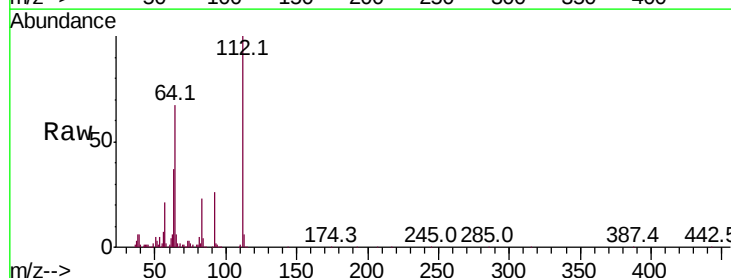
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.372 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044775.D
Acq: 13 Mar 2020 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	52.6	78.8
63	37.2	30.2	45.4

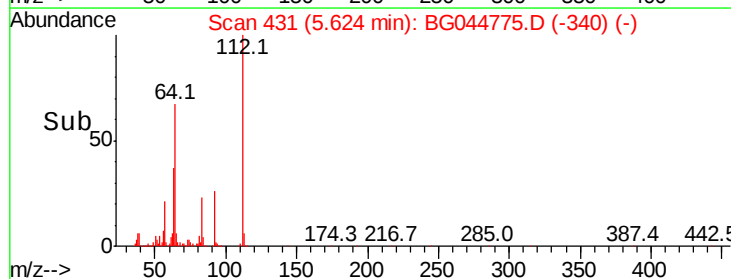
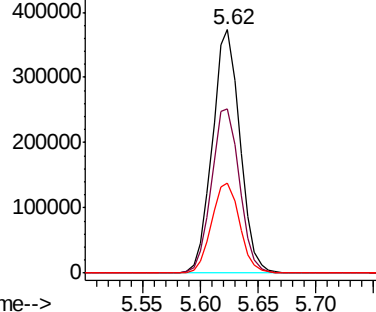


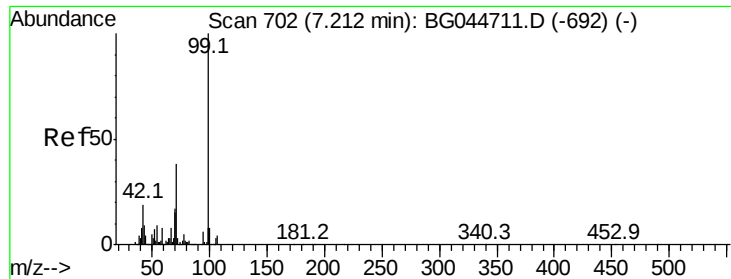
Abundance

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: 86.861 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

Instrument :

BNA_G

ClientSampleId :

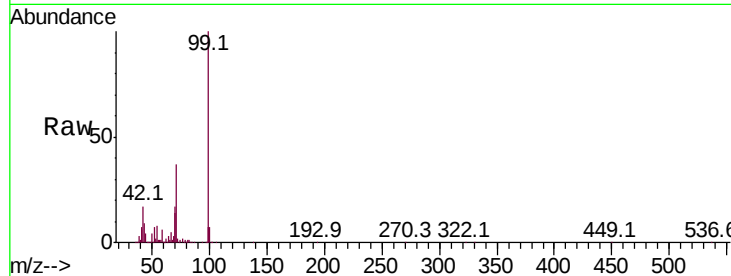
Tot Ion: 99 Resp: 916645

Ion Ratio Lower Upper

99 100

42 17.5 15.4 23.0

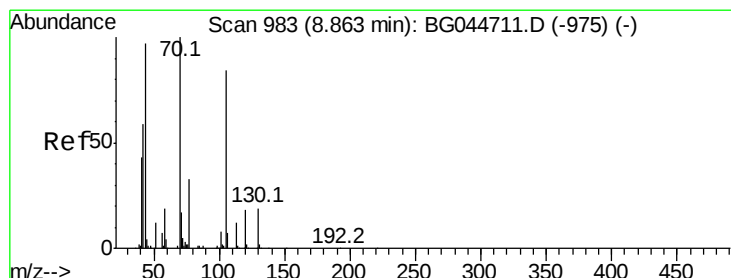
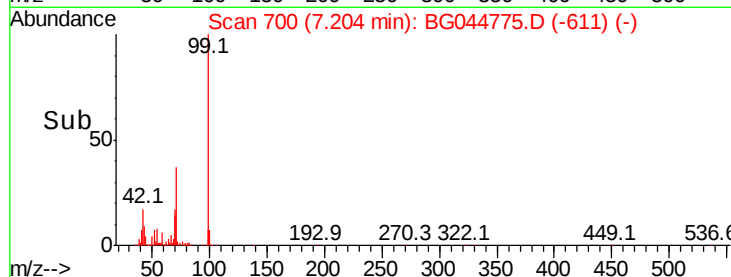
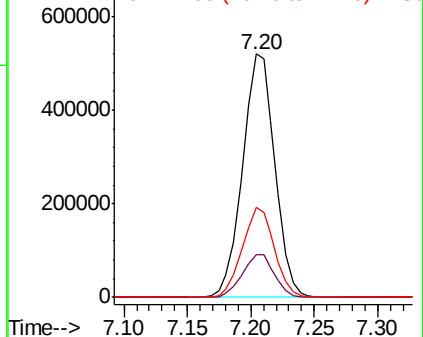
71 37.0 30.2 45.4



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: 10.754 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

Tgt Ion: 70 Resp: 80135

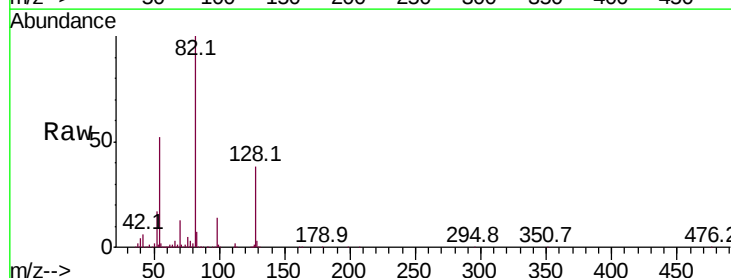
Ion Ratio Lower Upper

70 100

42 48.8 47.6 71.4

101 0.0 6.5 9.7#

130 2.0 15.0 22.4#

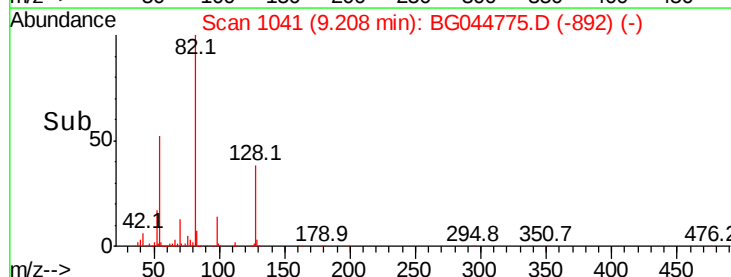
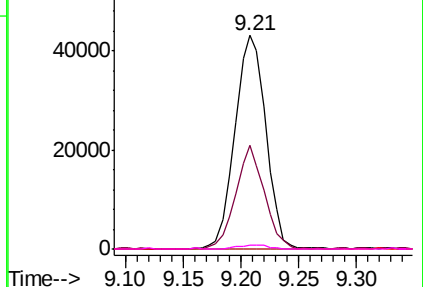


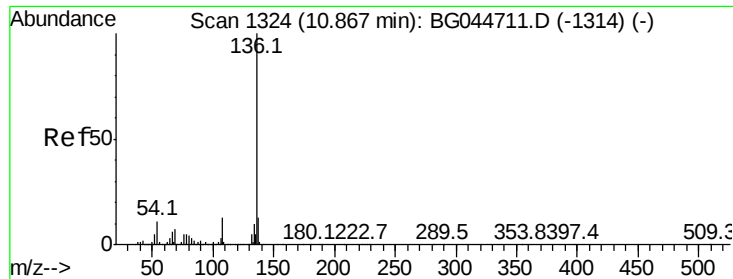
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG044775.D

Acq: 13 Mar 2020 20:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 482089

Ion	Ratio	Lower	Upper
136	100		
137	11.0	10.7	16.1
54	9.1	9.0	13.4
68	7.2	5.9	8.9

136 100

137 11.0 10.7 16.1

54 9.1 9.0 13.4

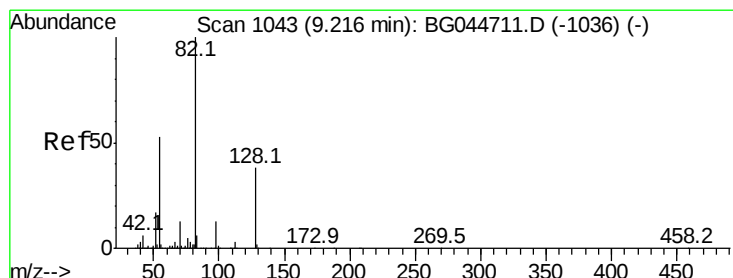
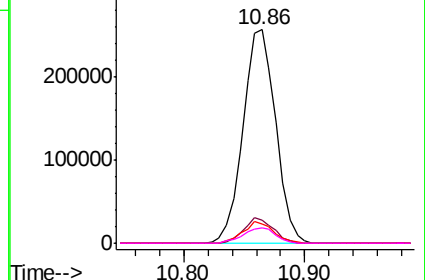
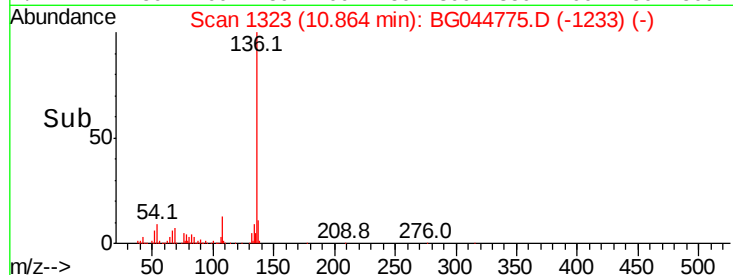
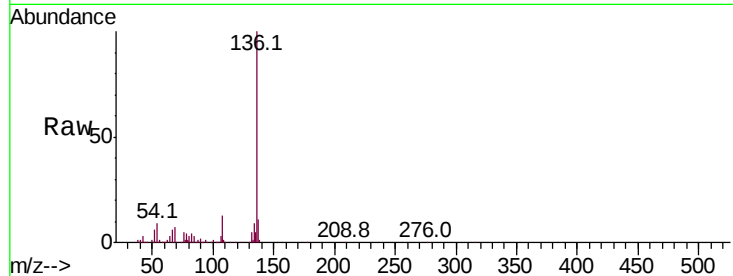
68 7.2 5.9 8.9

Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 55.543 ng

RT: 9.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

Tgt Ion: 82 Resp: 610202

Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.2	45.2
54	52.3	41.8	62.8

82 100

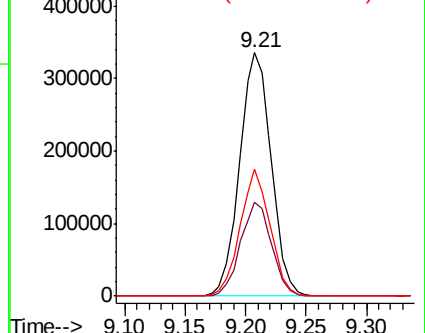
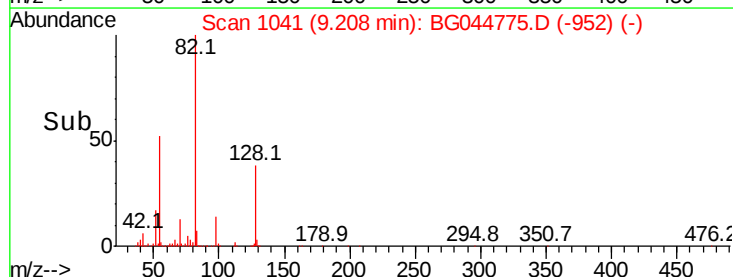
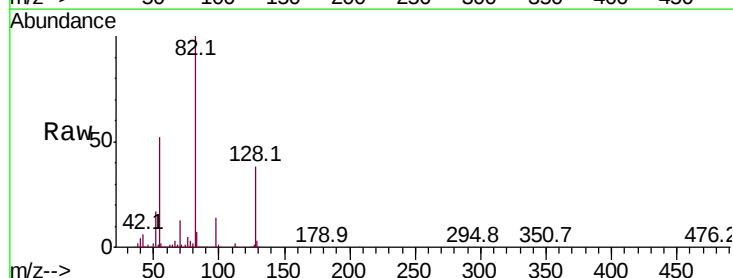
128 38.3 30.2 45.2

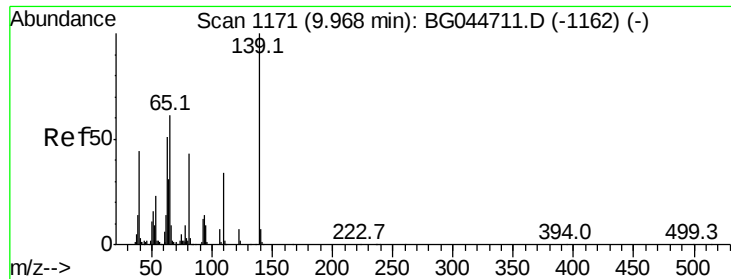
54 52.3 41.8 62.8

Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#26

2-Nitrophenol

Concen: 5.536 ng

RT: 9.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

Instrument :

BNA_G

ClientSampled :

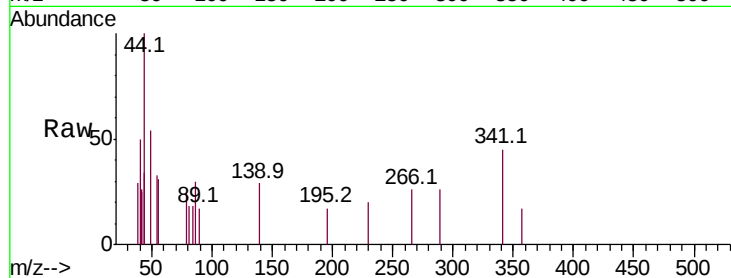
Tot Ion:139 Resp: 93

Ion Ratio Lower Upper

139 100

109 0.0 27.0 40.4#

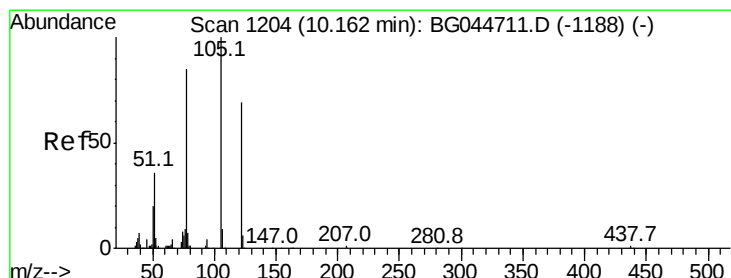
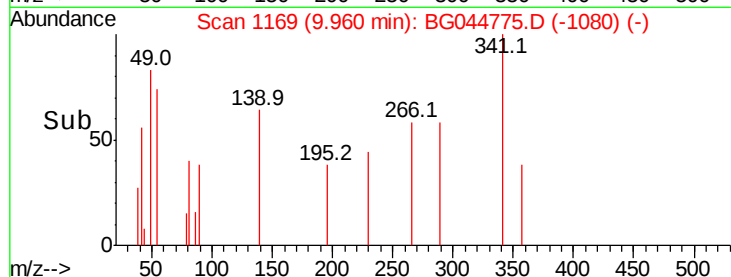
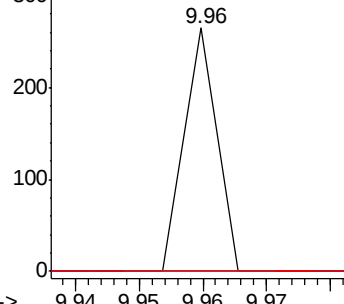
65 0.0 48.6 73.0#



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: 9.686 ng

RT: 10.13 min Scan# 1198

Delta R.T. -0.03 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

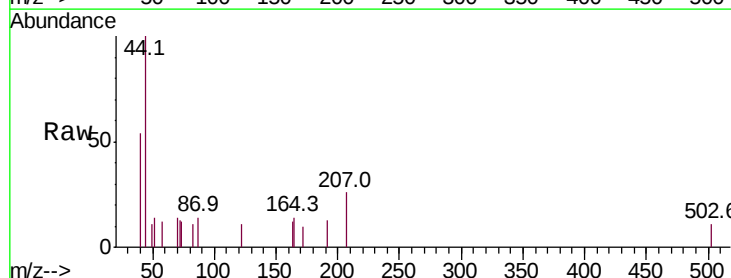
Tgt Ion:122 Resp: 110

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

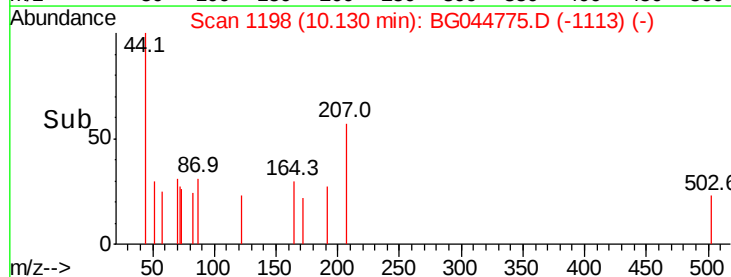
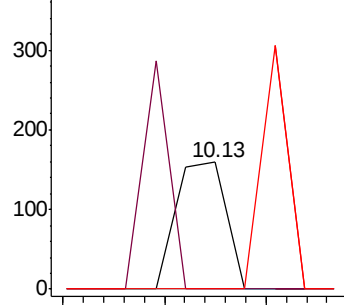
77 0.0 96.4 136.4#

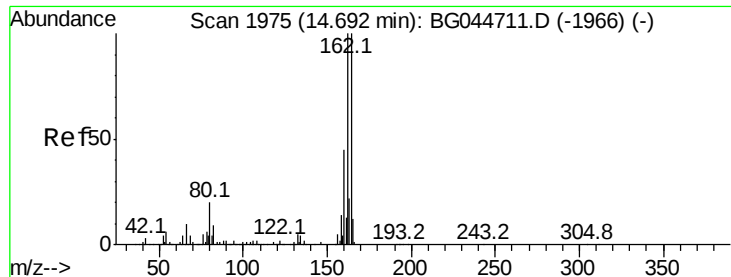


Abundance Ion 122.00 (121.70 to 122.70): E

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: BG044775.D

Acq: 13 Mar 2020 20:15

Instrument :

BNA_G

ClientSampleId :

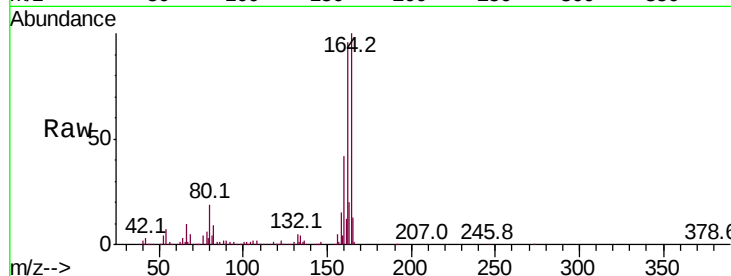
Tot Ion:164 Resp: 327084

Ion Ratio Lower Upper

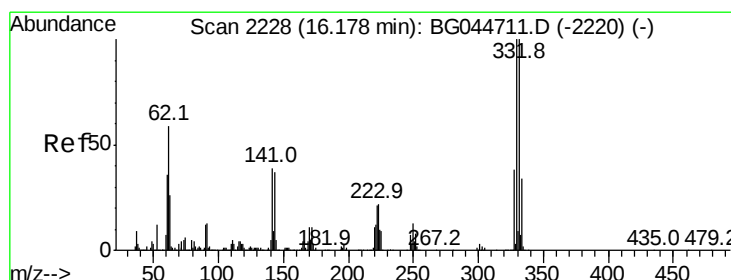
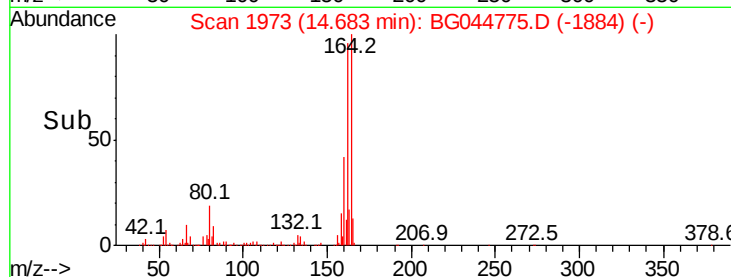
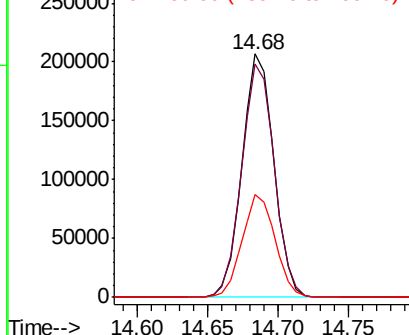
164 100

162 95.9 80.2 120.4

160 42.3 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: 86.992 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

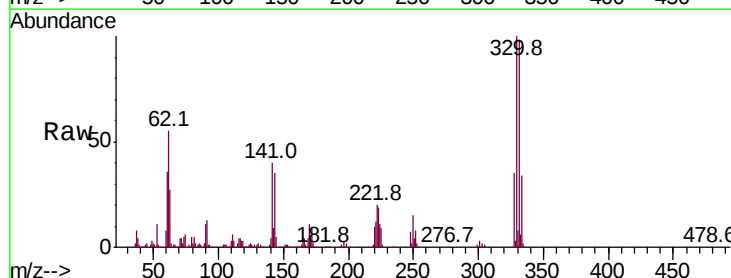
Tgt Ion:330 Resp: 372557

Ion Ratio Lower Upper

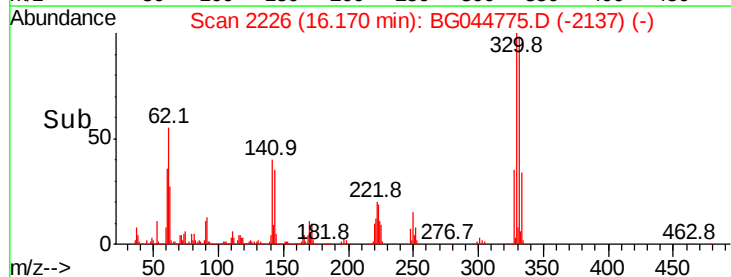
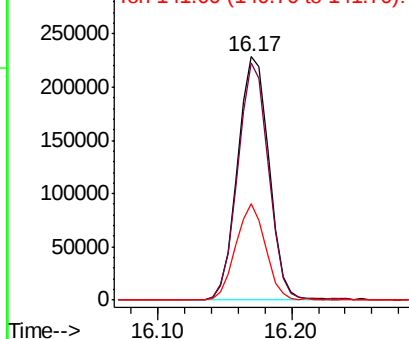
330 100

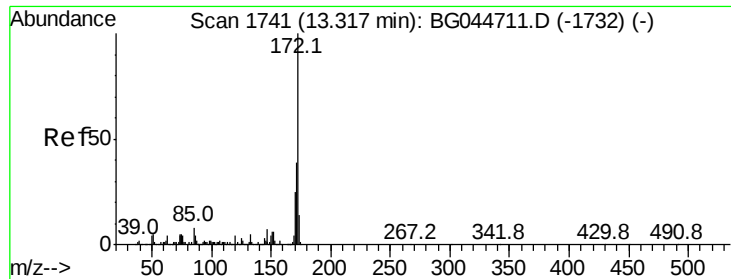
332 95.1 77.5 116.3

141 37.9 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

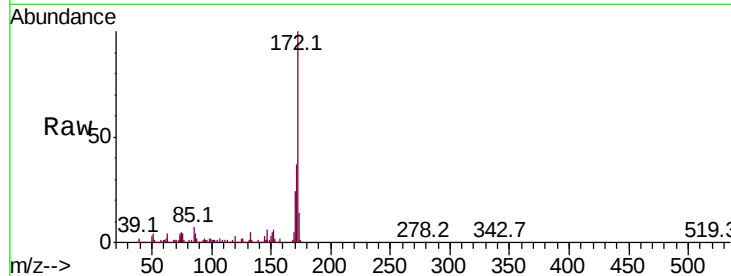




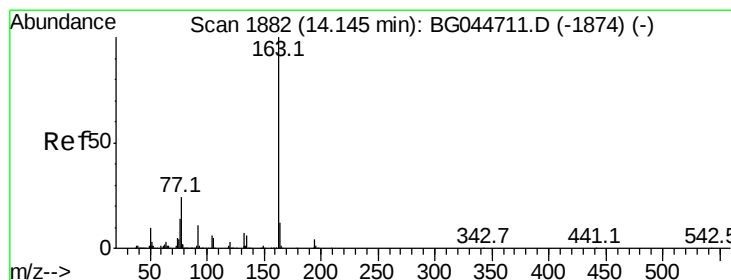
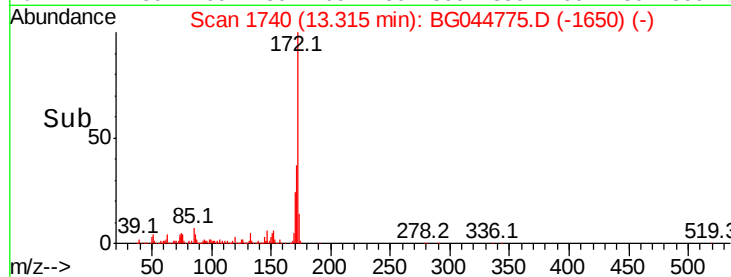
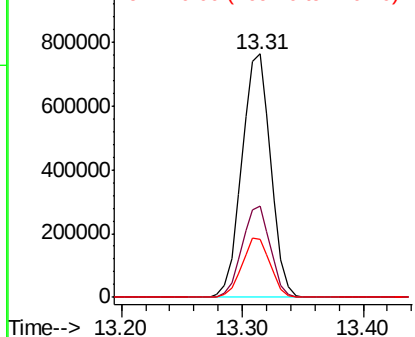
#45
2-Fluorobiphenyl
Concen: 55.600 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.00 min
Lab File: BG044775.D
Acq: 13 Mar 2020 20:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1269933
Ion Ratio Lower Upper
172 100
171 37.5 30.8 46.2
170 23.8 20.0 30.0

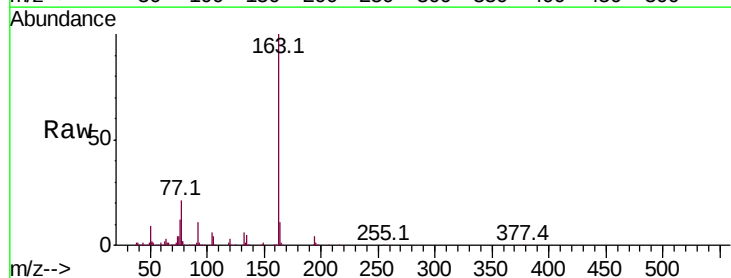


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

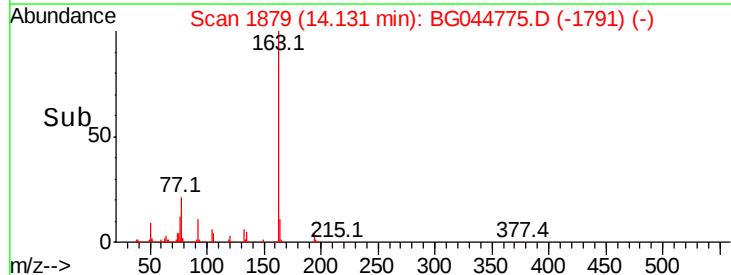
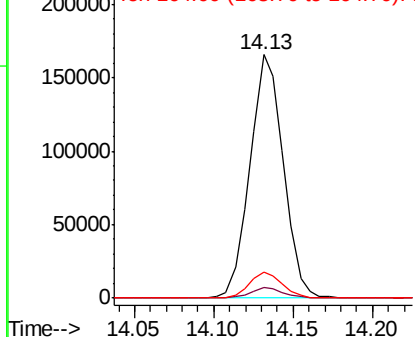


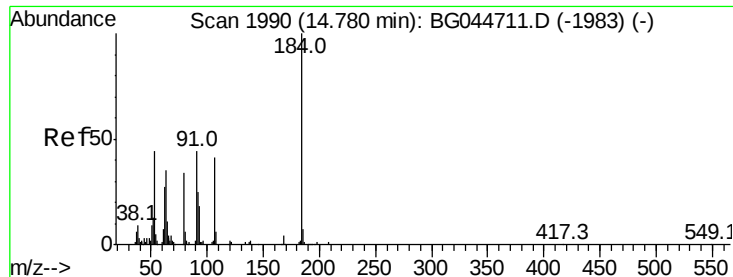
#50
Dimethylphthalate
Concen: 9.291 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BG044775.D
Acq: 13 Mar 2020 20:15

Tgt Ion:163 Resp: 242030
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.7 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

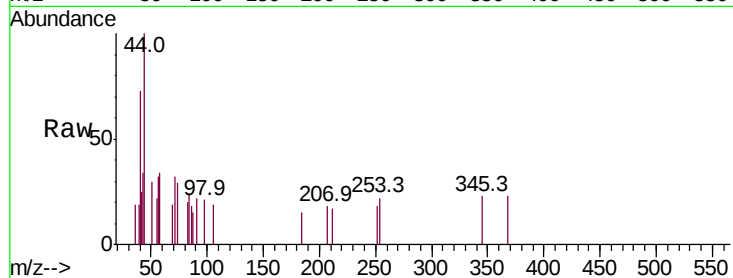




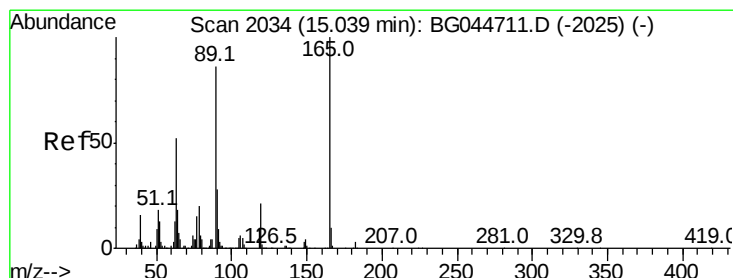
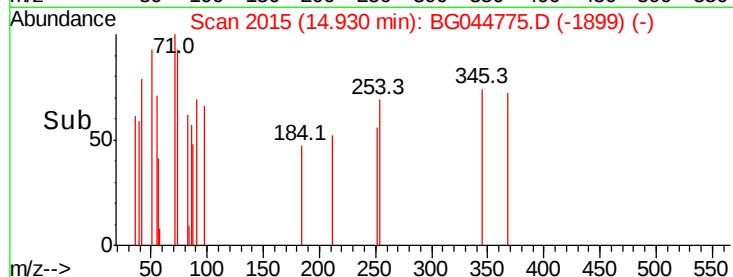
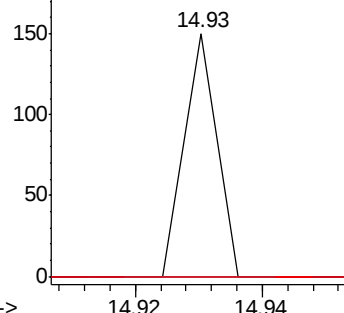
#54
2,4-Dinitrophenol
Concen: 8.340 ng
RT: 14.93 min Scan# 2015
Delta R.T. 0.15 min
Lab File: BG044775.D
Acq: 13 Mar 2020 20:15

Instrument :
BNA_G
ClientSampled :

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

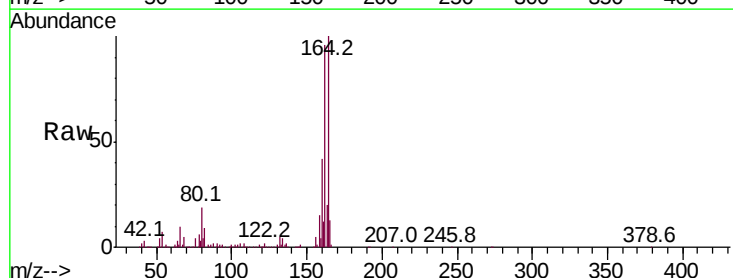


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

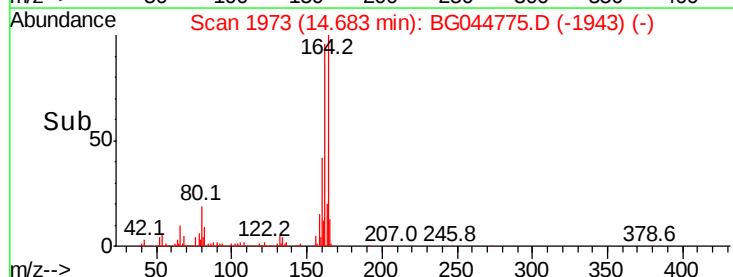
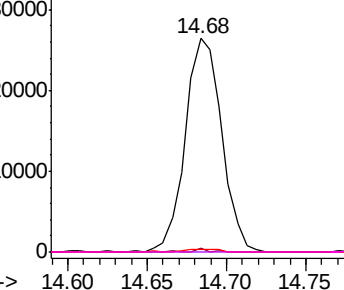


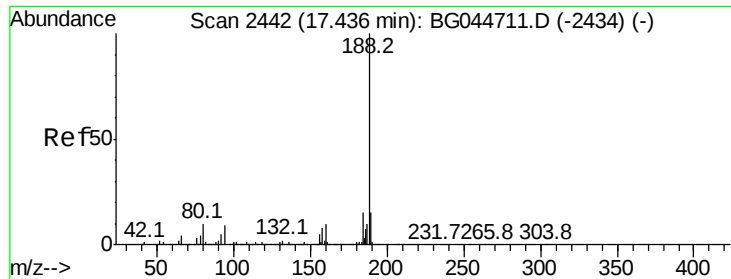
#57
2,4-Dinitrotoluene
Concen: 5.887 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.36 min
Lab File: BG044775.D
Acq: 13 Mar 2020 20:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.5	62.3#
89	1.4	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. -0.00 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

Instrument :

BNA_G

ClientSampleId :

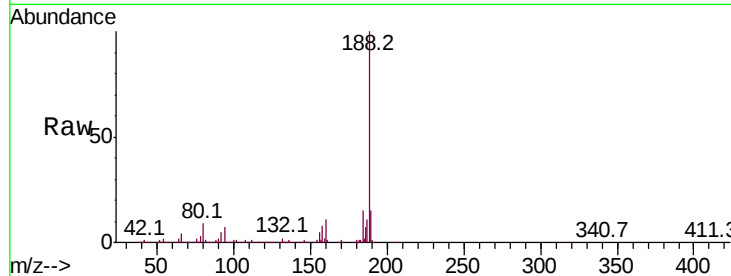
Tot Ion:188 Resp: 699871

Ion Ratio Lower Upper

188 100

94 7.5 7.0 10.6

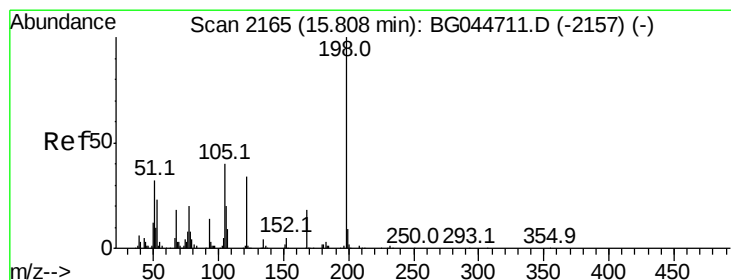
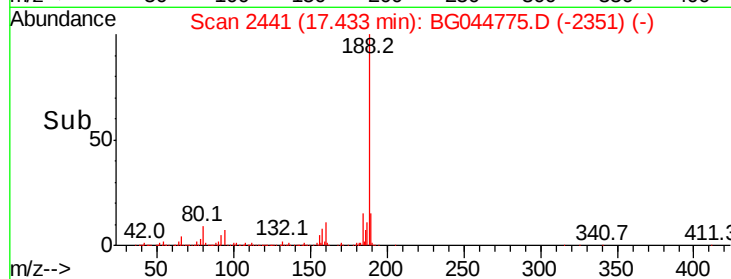
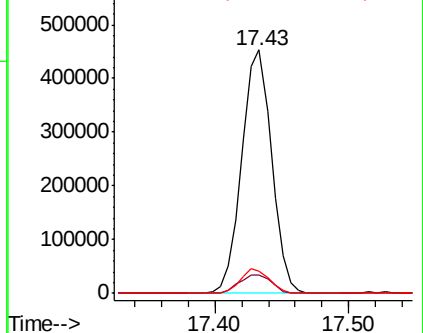
80 8.9 8.4 12.6



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: 8.038 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.36 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

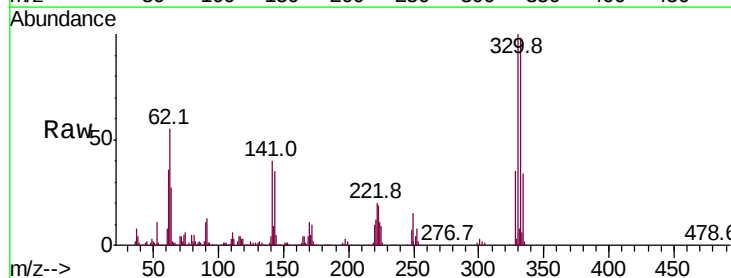
Tgt Ion:198 Resp: 1217

Ion Ratio Lower Upper

198 100

51 136.0 20.1 60.1#

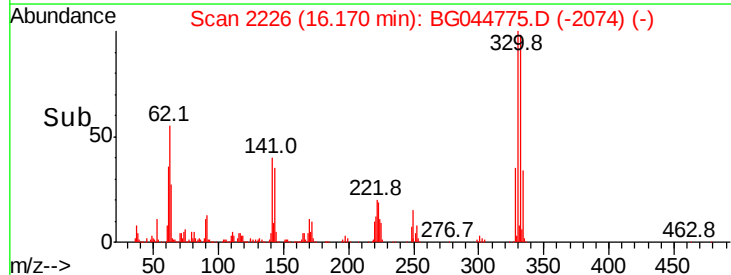
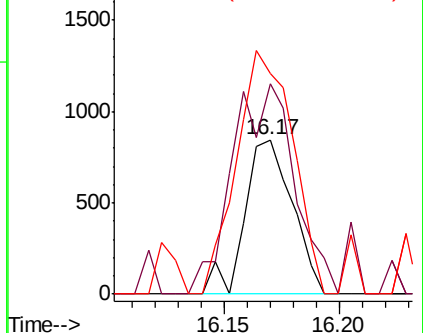
105 142.9 21.3 61.3#

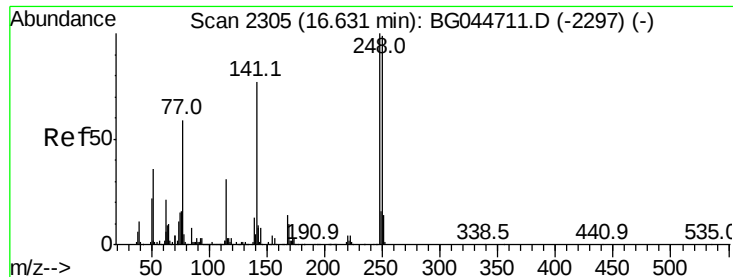


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

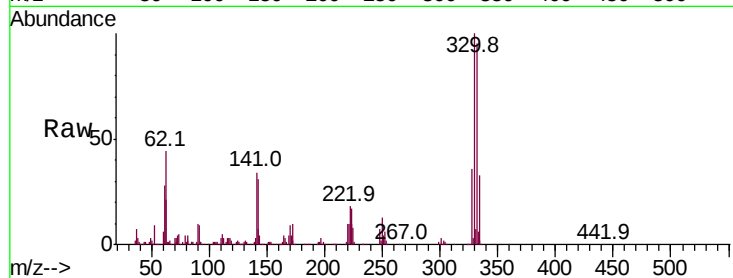




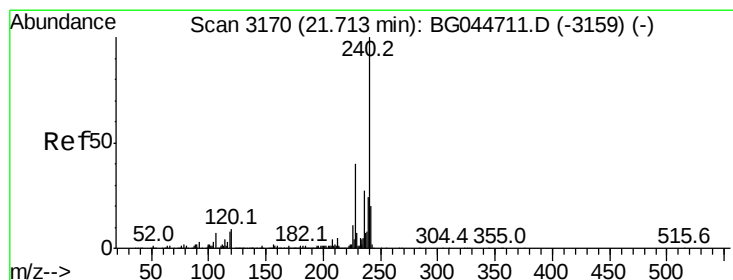
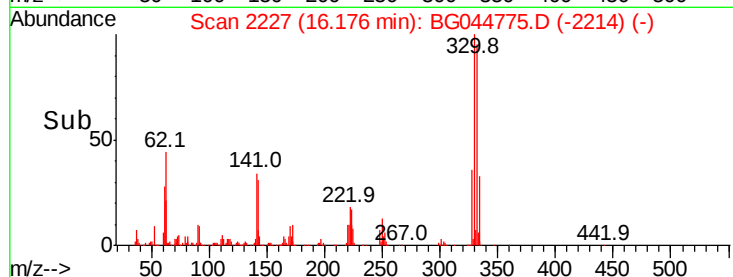
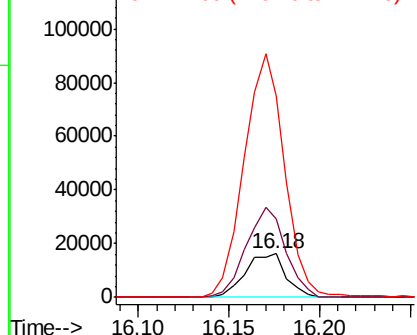
#67
4-Bromophenyl-phenylether
Concen: 2.889 ng
RT: 16.18 min Scan# 2227
Delta R.T. -0.45 min
Lab File: BG044775.D
Acq: 13 Mar 2020 20:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 25281
Ion Ratio Lower Upper
248 100
250 181.3 79.4 119.0#
141 462.1 61.7 92.5#

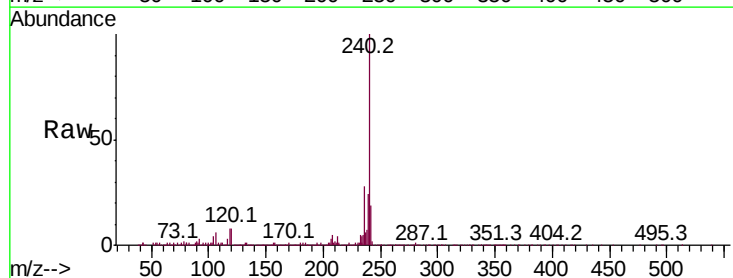


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

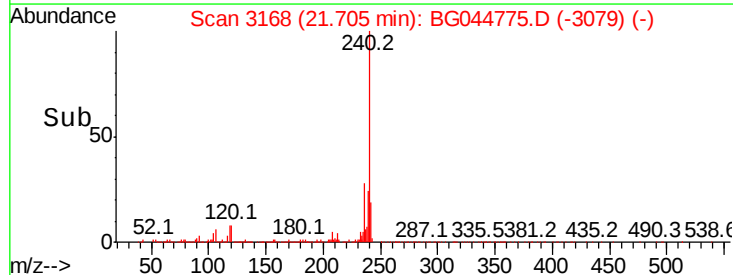
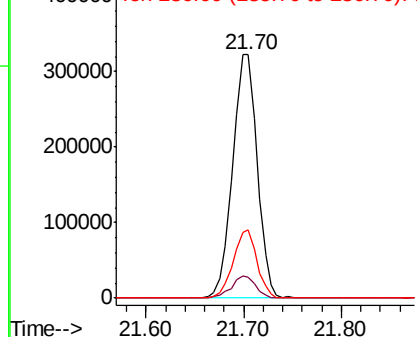


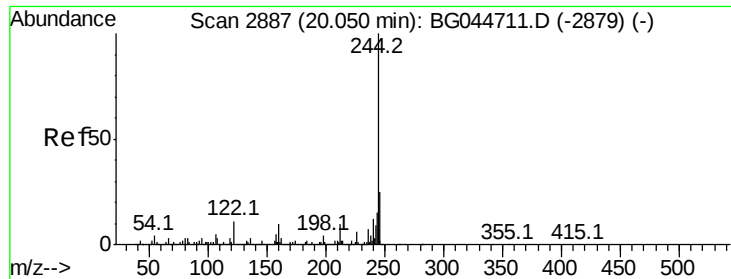
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044775.D
Acq: 13 Mar 2020 20:15

Tgt Ion:240 Resp: 566243
Ion Ratio Lower Upper
240 100
120 8.5 6.9 10.3
236 28.0 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





#79

Terphenyl-d14

Concen: 58.306 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

Instrument :

BNA_G

ClientSampleId :

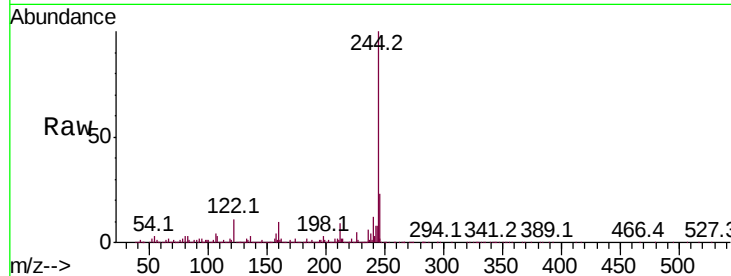
Tot Ion:244 Resp: 1765001

Ion Ratio Lower Upper

244 100

212 9.2 8.4 12.6

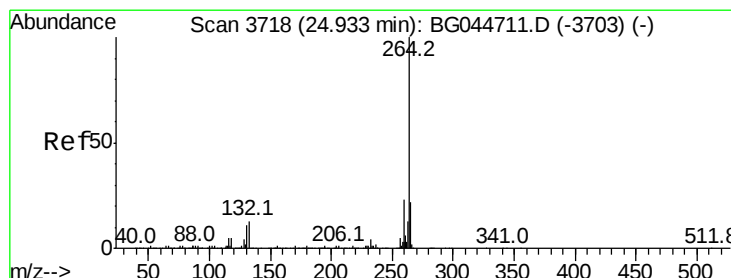
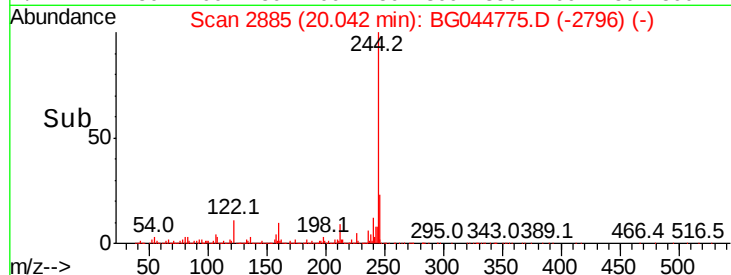
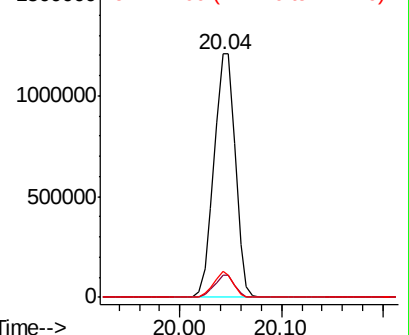
122 10.7 8.7 13.1



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: 24.92 min Scan# 3715

Delta R.T. -0.01 min

Lab File: BG044775.D

Acq: 13 Mar 2020 20:15

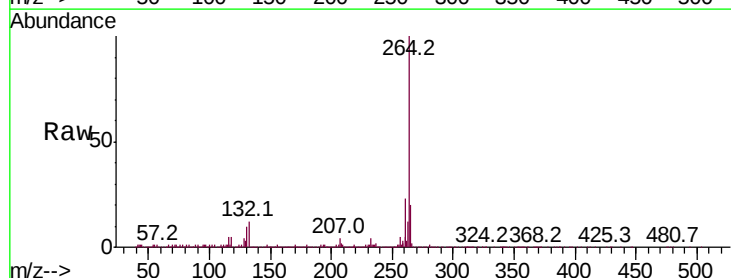
Tgt Ion:264 Resp: 646639

Ion Ratio Lower Upper

264 100

260 22.8 18.4 27.6

265 20.3 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

