

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044776.D
 Acq On : 13 Mar 2020 20:55
 Operator : CG/JU
 Sample : L1913-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:06:22 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	113981	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	476676	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	321032	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	689439	20.00	ng	0.00
76) Chrysene-d12	21.70	240	568903	20.00	ng	-0.02
87) Perylene-d12	24.92	264	636434	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	725047	99.02	ng	0.00
7) Phenol-d6	7.21	99	1042475	97.99	ng	0.00
23) Nitrobenzene-d5	9.21	82	701178	64.55	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	430933	102.52	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1457272	65.00	ng	0.00
79) Terphenyl-d14	20.05	244	2052407	67.48	ng	0.00

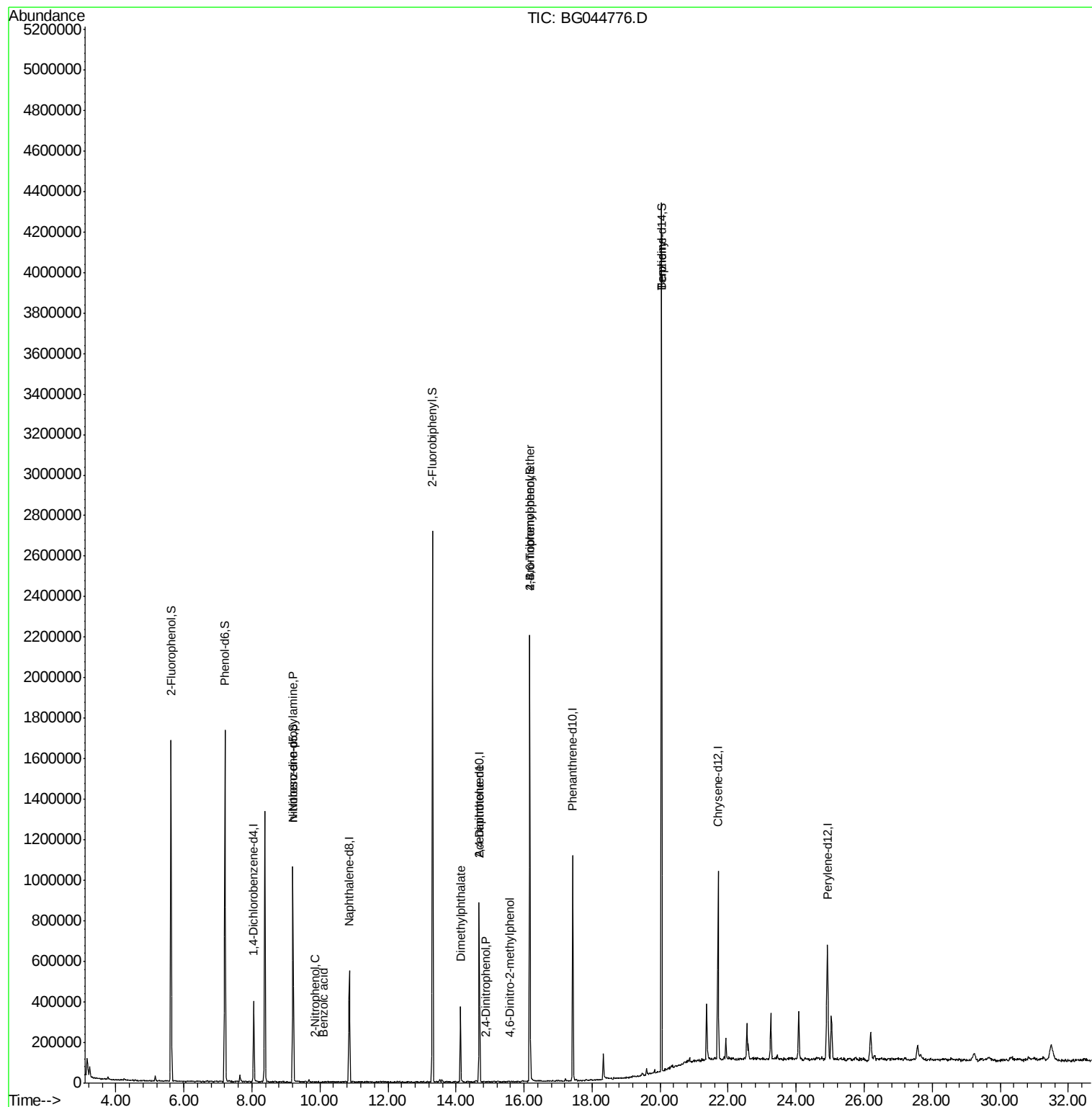
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2499	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	93229	12.411	ng	# 73
26) 2-Nitrophenol	9.85	139	87	5.535	ng	# 28
32) Benzoic acid	10.11	122	55	9.678	ng	# 1
50) Dimethylphthalate	14.13	163	248429	9.716	ng	# 98
54) 2,4-Dinitrophenol	14.88	184	64	8.344	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	42486	6.011	ng	# 16
65) 4,6-Dinitro-2-methylphenol	15.58	198	144	7.765	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	29570	3.431	ng	# 1
77) Benzidine	20.04	184	41704	2.258	ng	# 90

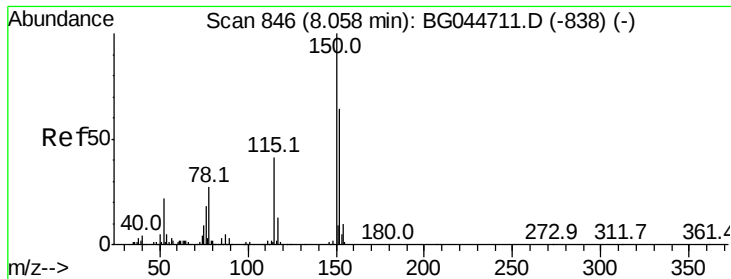
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044776.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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BNA_G
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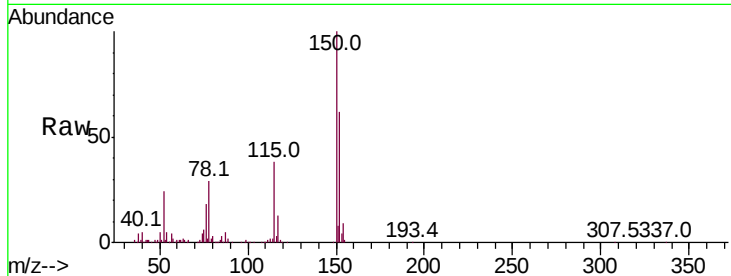


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044776.D
Acq: 13 Mar 2020 20:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	125.3	187.9
115	61.7	51.7	77.5

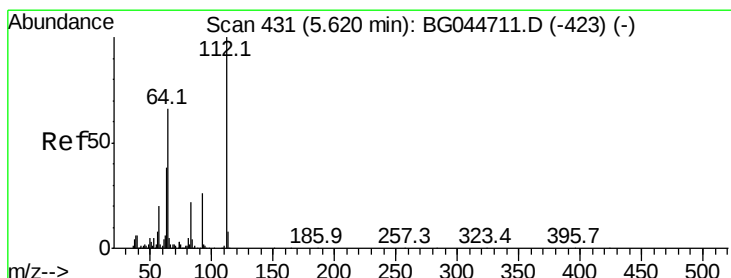
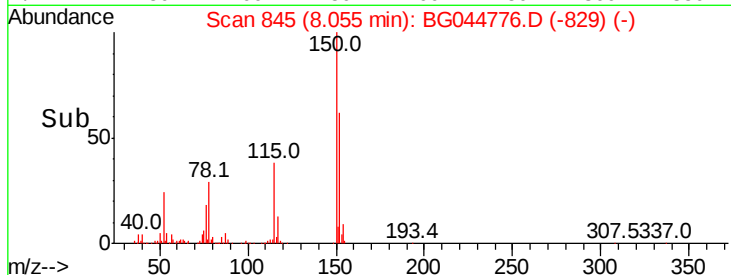
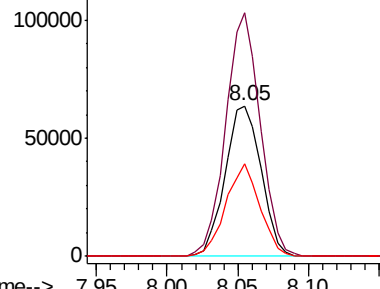


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

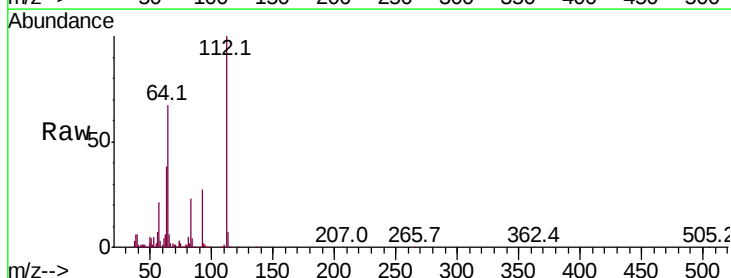
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.023 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044776.D
Acq: 13 Mar 2020 20:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	52.6	78.8
63	38.1	30.2	45.4

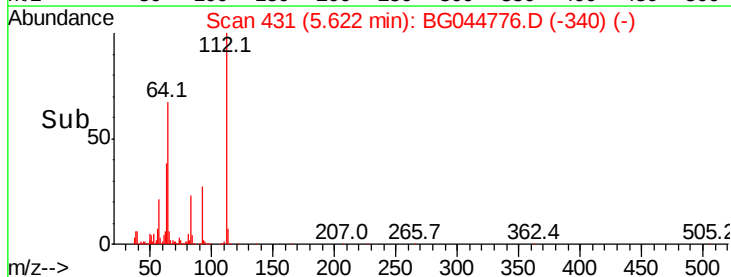
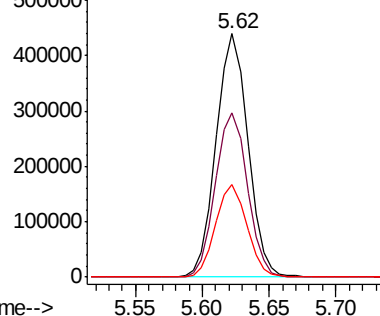


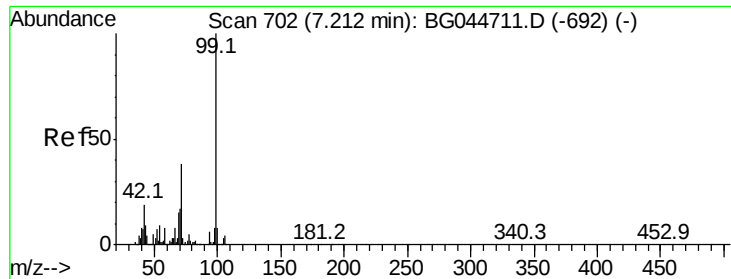
Abundance

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: 97.992 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044776.D

Acq: 13 Mar 2020 20:55

Instrument :

BNA_G

ClientSampleId :

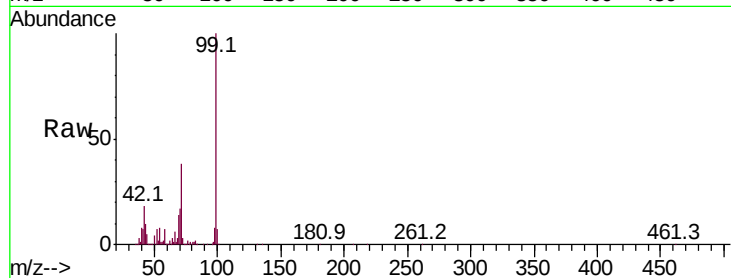
Tot Ion: 99 Resp: 1042475

Ion Ratio Lower Upper

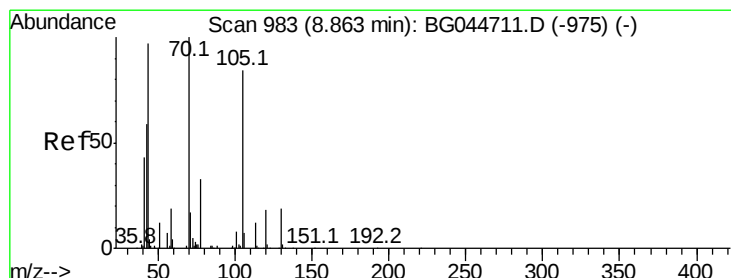
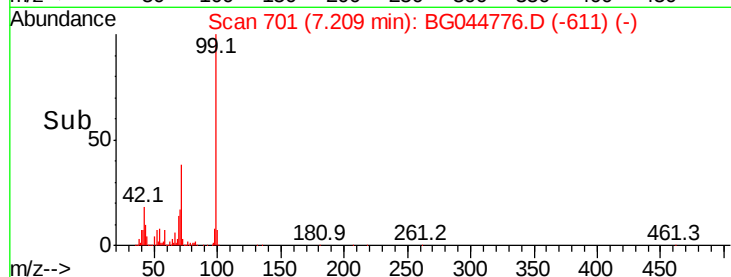
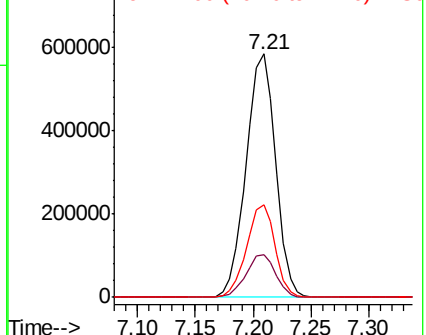
99 100

42 17.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.411 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044776.D

Acq: 13 Mar 2020 20:55

Tgt Ion: 70 Resp: 93229

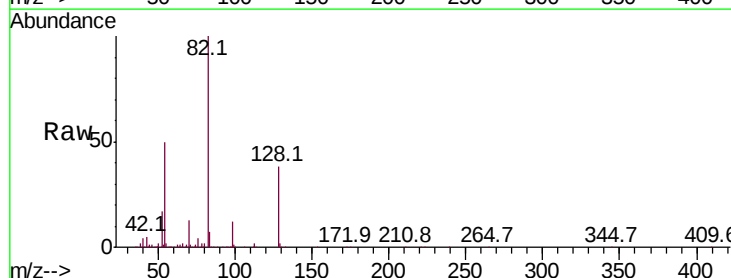
Ion Ratio Lower Upper

70 100

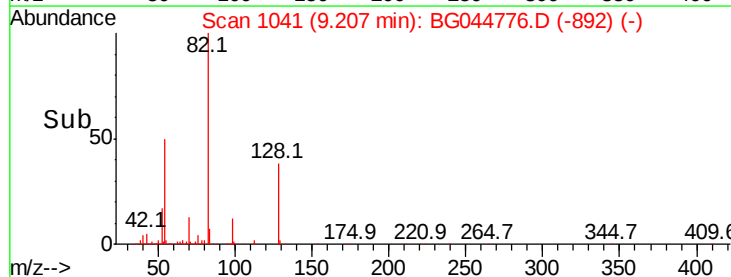
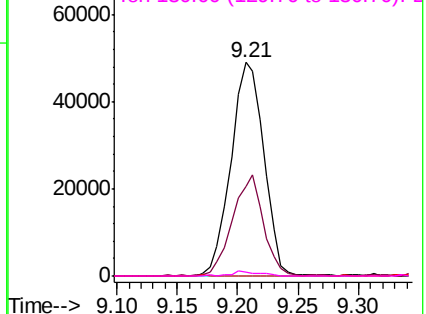
42 41.7 47.6 71.4#

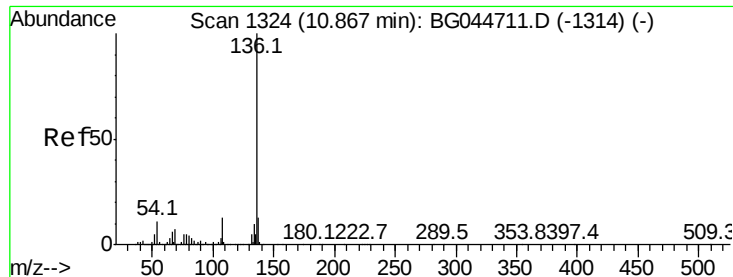
101 0.0 6.5 9.7#

130 1.6 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: BG044776.D

Acq: 13 Mar 2020 20:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 476676

Ion	Ratio	Lower	Upper
136	100		
137	11.1	10.7	16.1
54	10.0	9.0	13.4
68	7.0	5.9	8.9

136 100

137 11.1 10.7 16.1

54 10.0 9.0 13.4

68 7.0 5.9 8.9

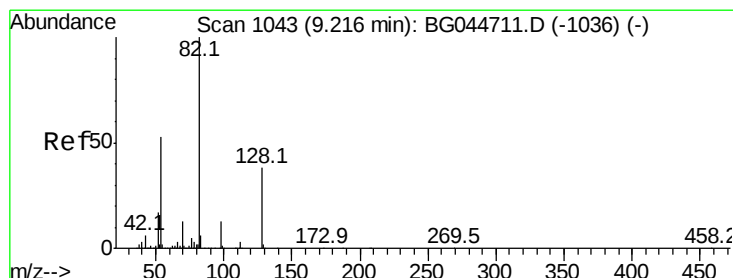
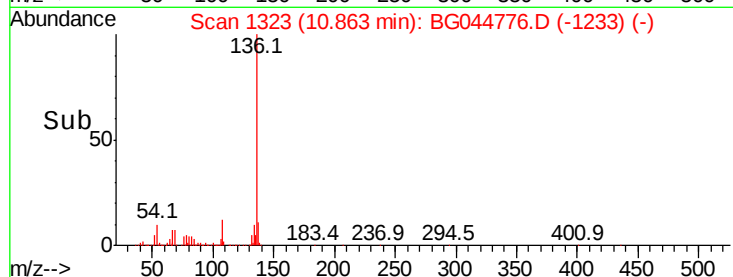
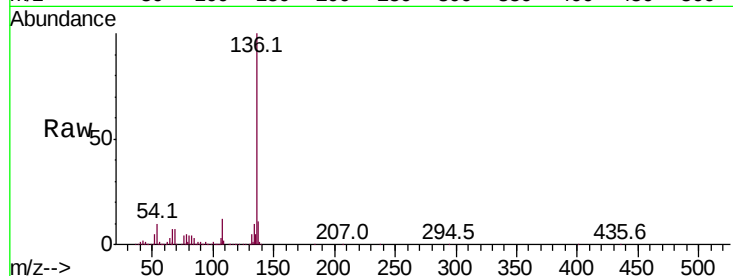
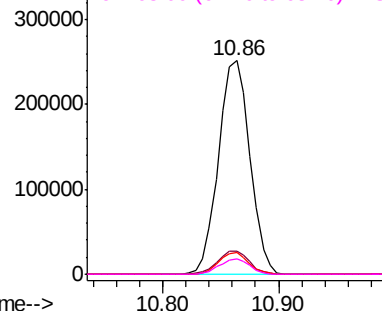
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 64.548 ng

RT: 9.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG044776.D

Acq: 13 Mar 2020 20:55

Tgt Ion: 82 Resp: 701178

Ion	Ratio	Lower	Upper
82	100		
128	37.8	30.2	45.2
54	50.1	41.8	62.8

82 100

128 37.8 30.2 45.2

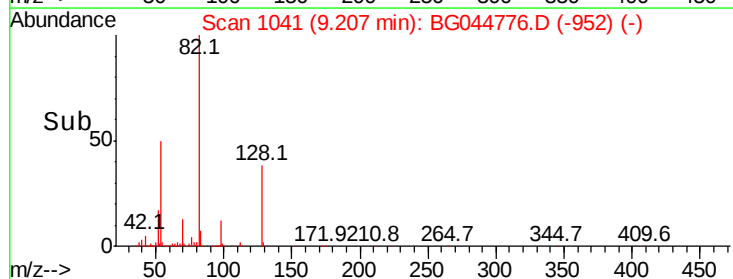
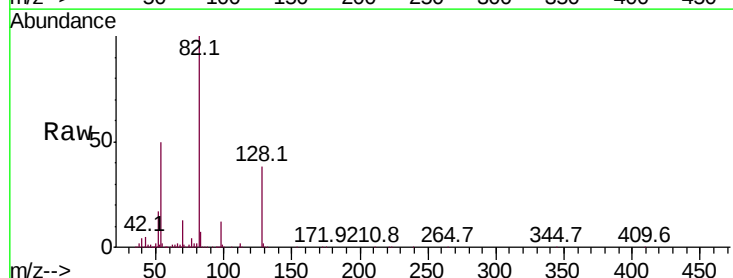
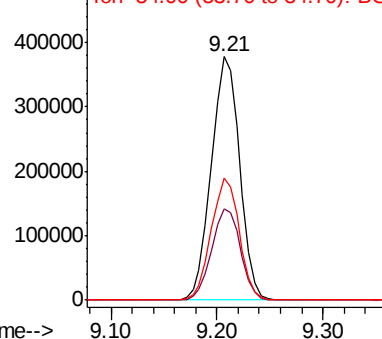
54 50.1 41.8 62.8

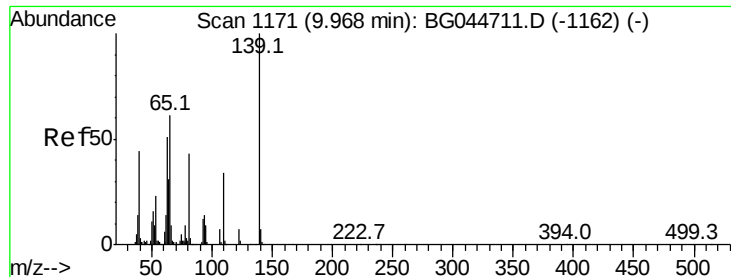
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

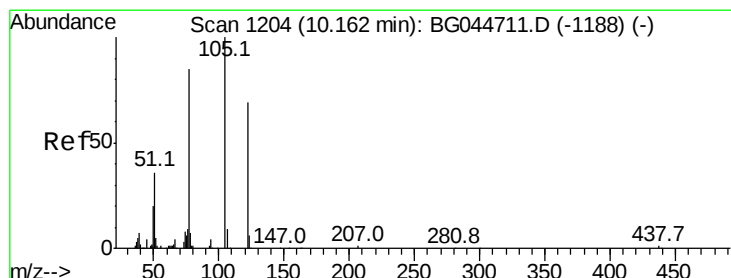
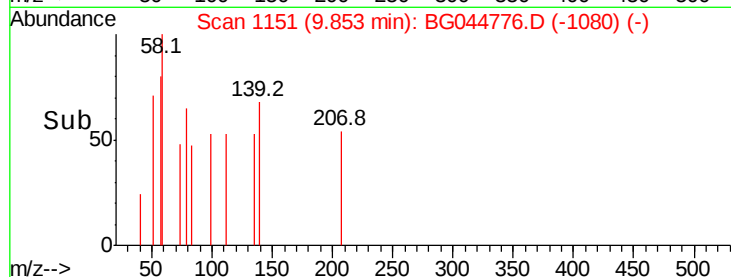
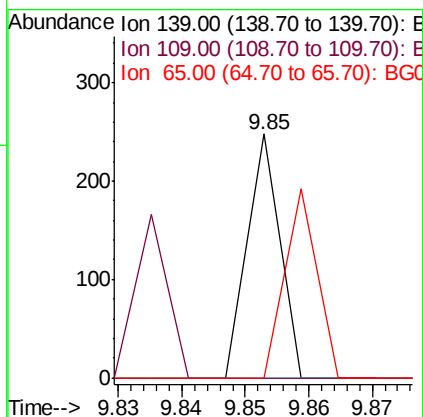
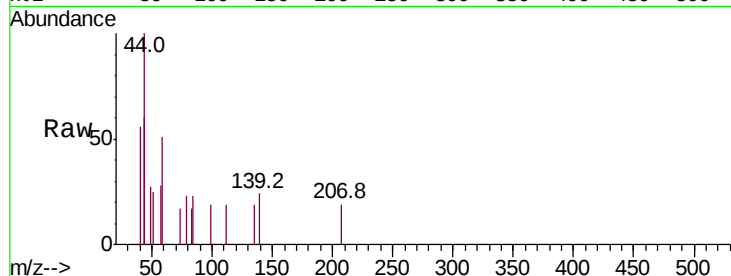




#26
2-Nitrophenol
Concen: 5.535 ng
RT: 9.85 min Scan# 1151
Delta R.T. -0.11 min
Lab File: BG044776.D
Acq: 13 Mar 2020 20:55

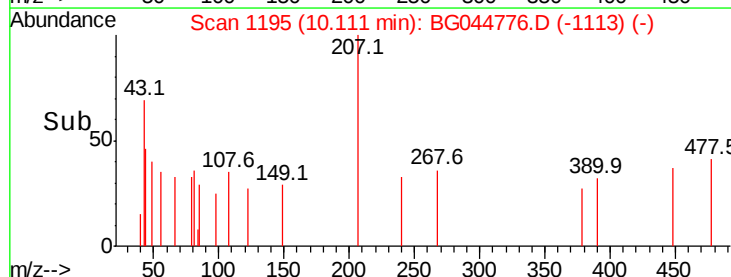
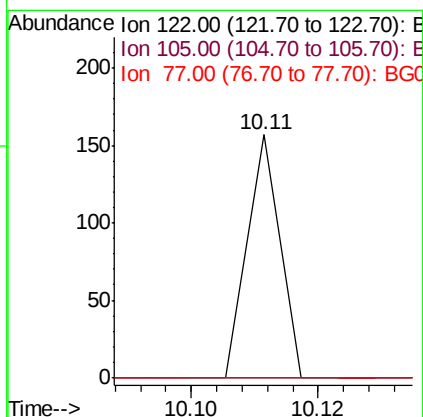
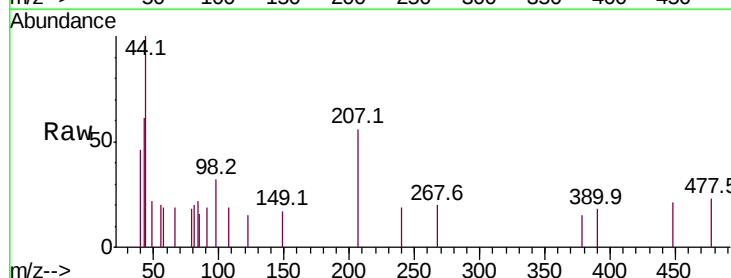
Instrument :
BNA_G
ClientSampleId :

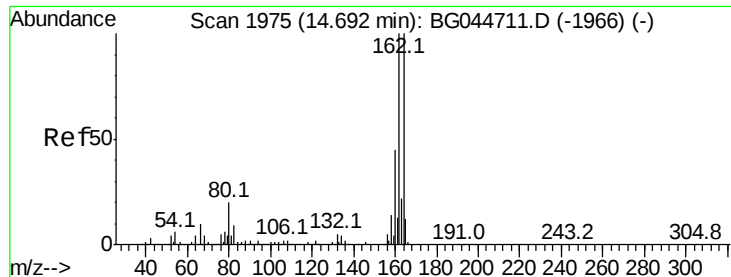
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#



#32
Benzoic acid
Concen: 9.678 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.05 min
Lab File: BG044776.D
Acq: 13 Mar 2020 20:55

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

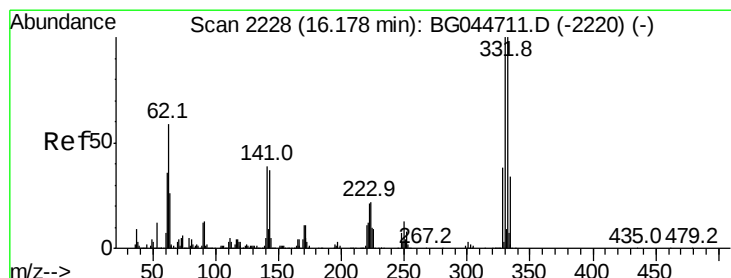
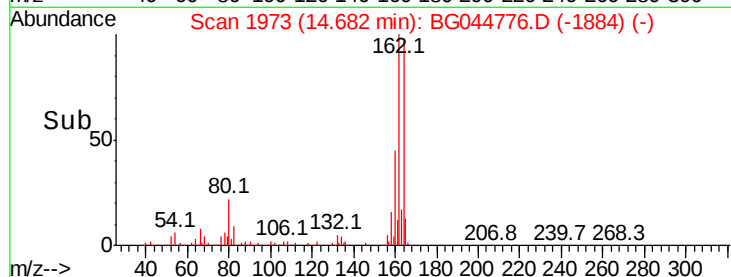
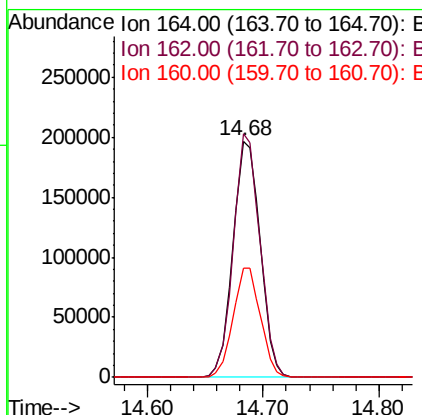
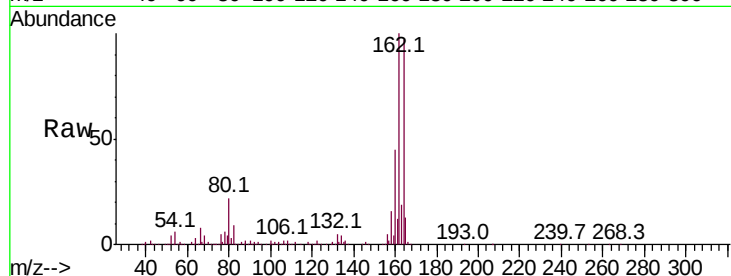




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BG044776.D
Acq: 13 Mar 2020 20:55

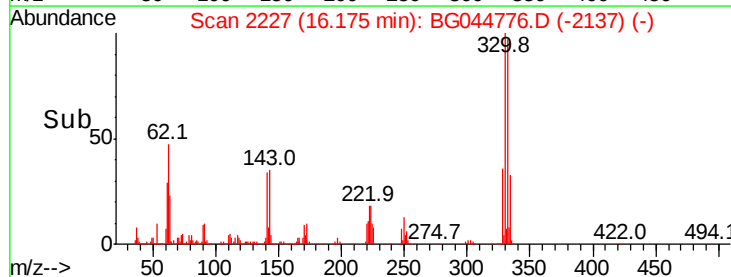
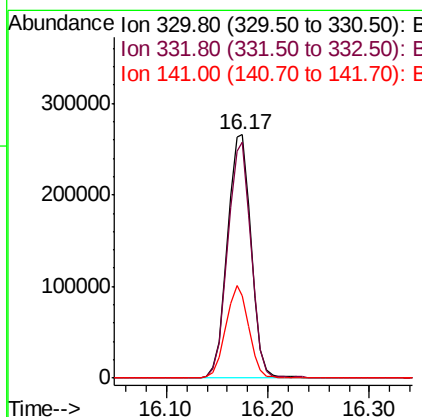
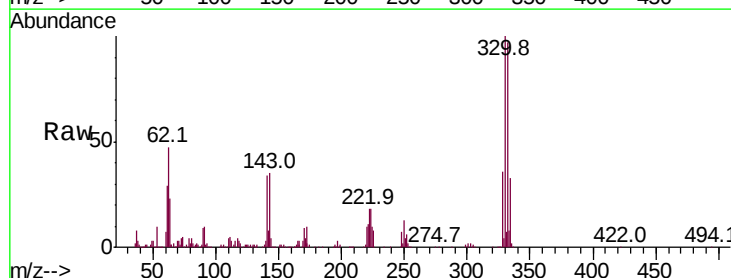
Instrument :
BNA_G
ClientSampled :

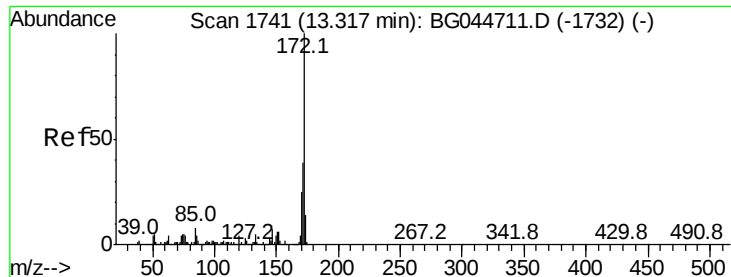
Tot Ion:164 Resp: 321032
Ion Ratio Lower Upper
164 100
162 103.0 80.2 120.4
160 46.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 102.520 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BG044776.D
Acq: 13 Mar 2020 20:55

Tgt Ion:330 Resp: 430933
Ion Ratio Lower Upper
330 100
332 95.0 77.5 116.3
141 36.6 31.7 47.5





#45

2-Fluorobiphenyl

Concen: 65.005 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG044776.D

Acq: 13 Mar 2020 20:55

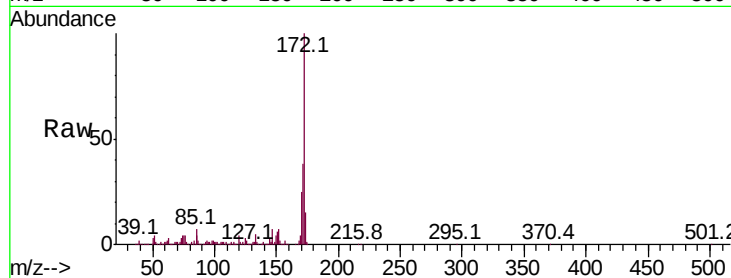
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1457272

Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.8	46.2
170	24.5	20.0	30.0

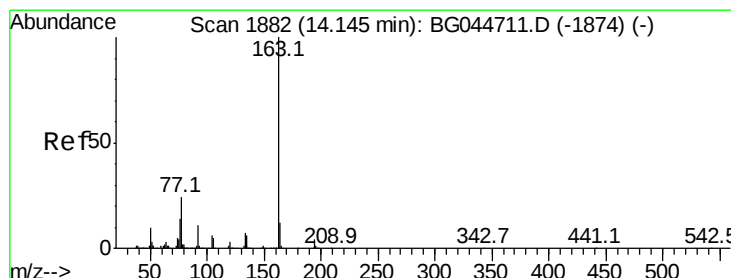
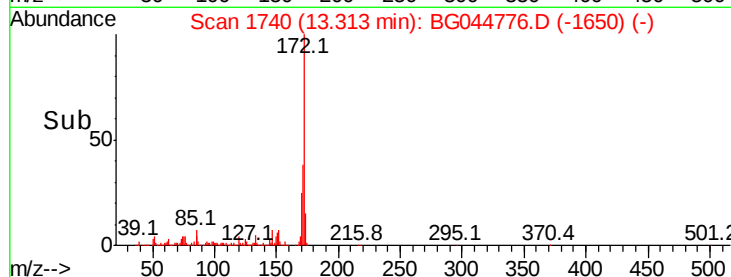
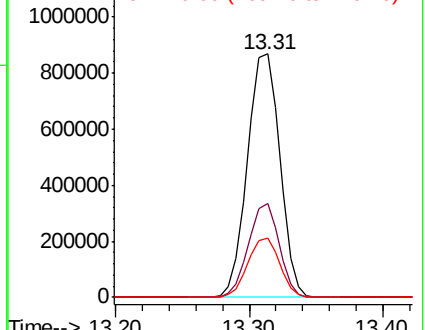


Abundance

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: 9.716 ng

RT: 14.13 min Scan# 1879

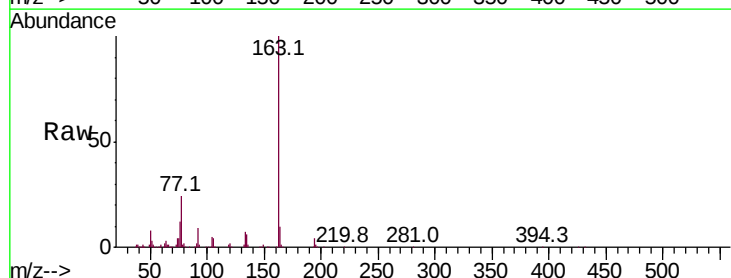
Delta R.T. -0.02 min

Lab File: BG044776.D

Acq: 13 Mar 2020 20:55

Tgt Ion:163 Resp: 248429

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.3	9.2	13.8

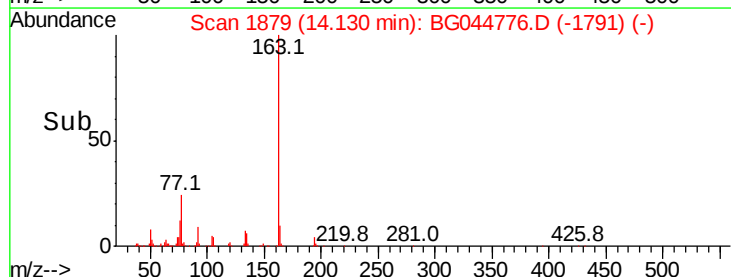
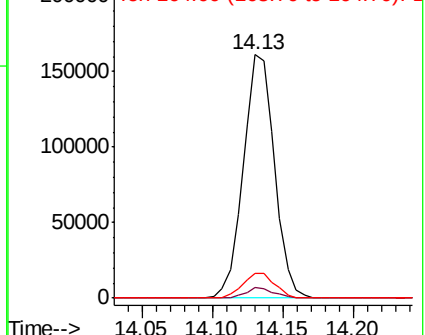


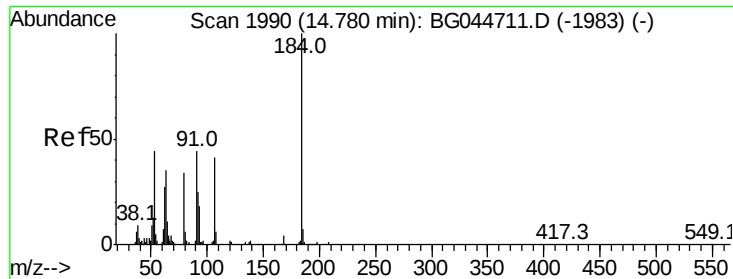
Abundance

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

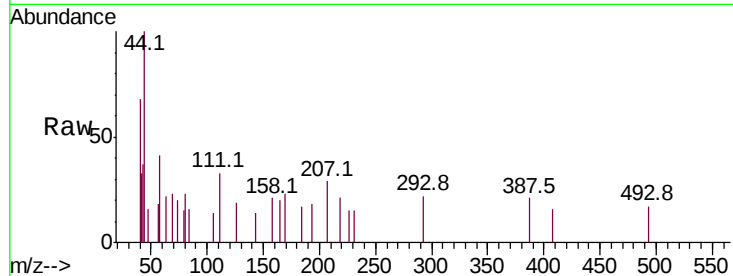




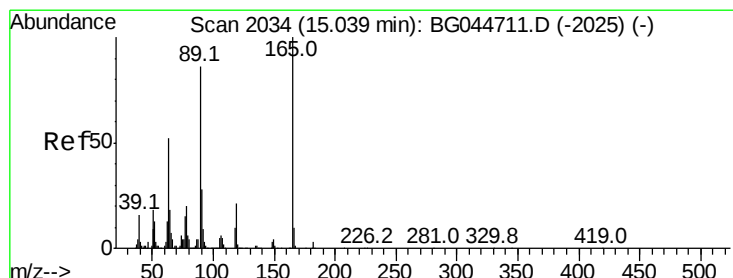
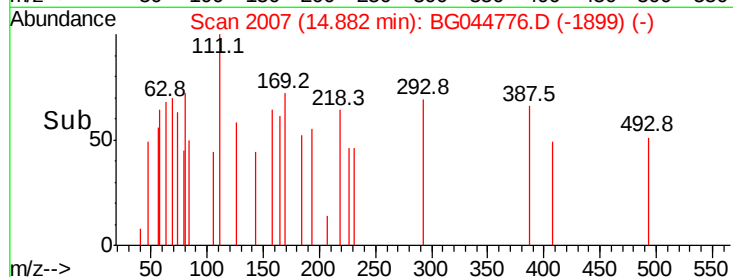
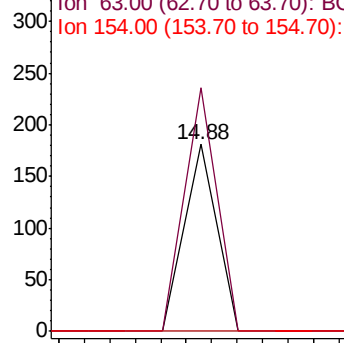
#54
2,4-Dinitrophenol
Concen: 8.344 ng
RT: 14.88 min Scan# 2007
Delta R.T. 0.10 min
Lab File: BG044776.D
Acq: 13 Mar 2020 20:55

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 130.4 49.0 73.6#
154 0.0 94.5 141.7#

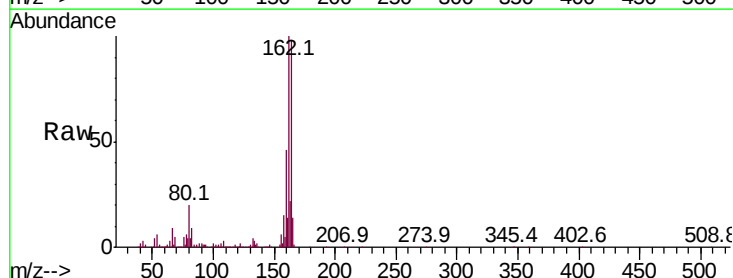


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

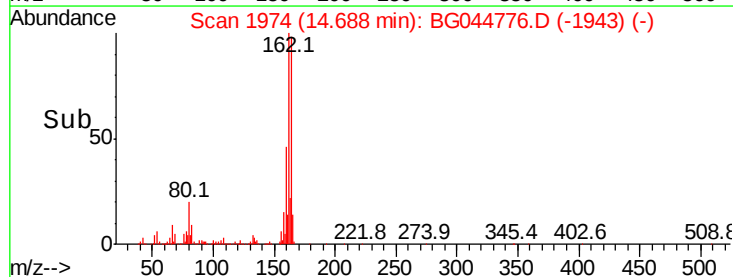
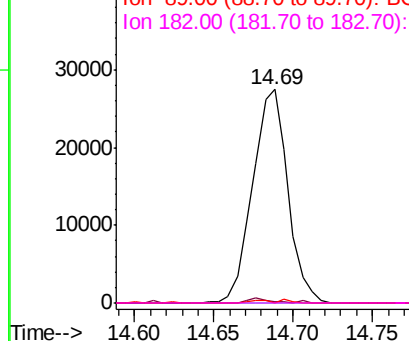


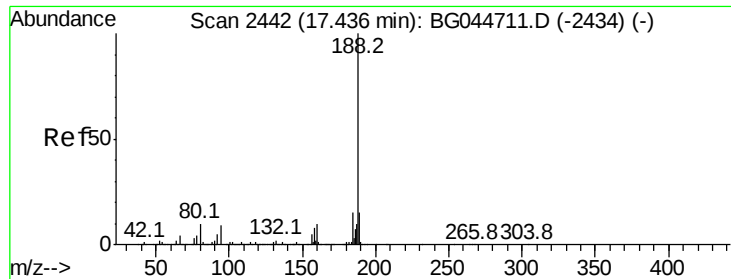
#57
2,4-Dinitrotoluene
Concen: 6.011 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044776.D
Acq: 13 Mar 2020 20:55

Tgt Ion:165 Resp: 42486
Ion Ratio Lower Upper
165 100
63 0.9 41.5 62.3#
89 0.0 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: BG044776.D

Acq: 13 Mar 2020 20:55

Instrument :

BNA_G

ClientSampleId :

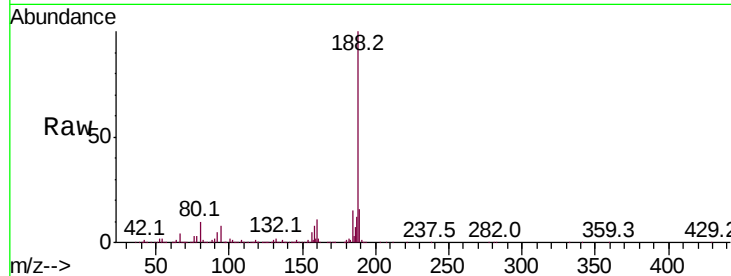
Tot Ion:188 Resp: 689439

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

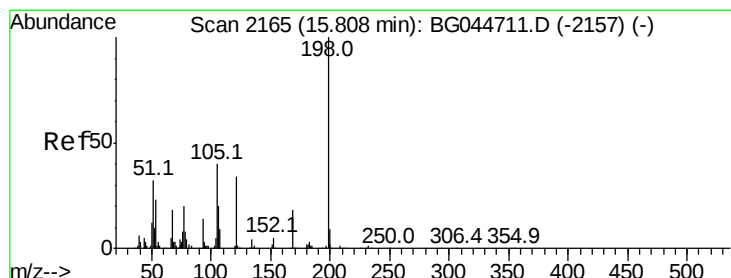
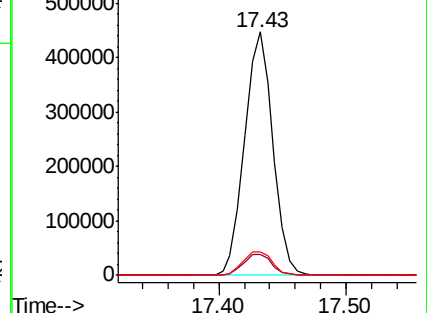
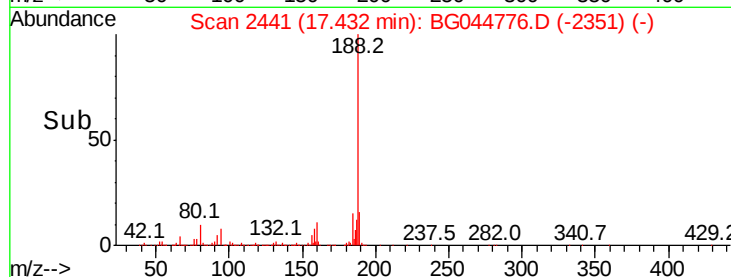
80 9.9 8.4 12.6



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: 7.765 ng

RT: 15.58 min Scan# 2126

Delta R.T. -0.23 min

Lab File: BG044776.D

Acq: 13 Mar 2020 20:55

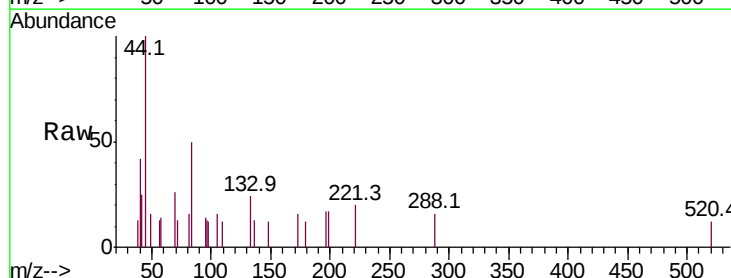
Tgt Ion:198 Resp: 144

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

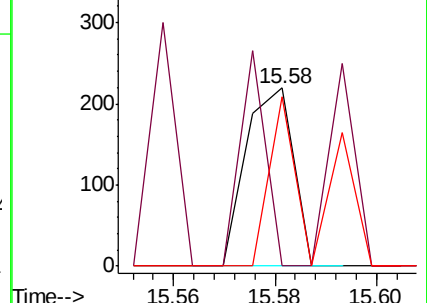
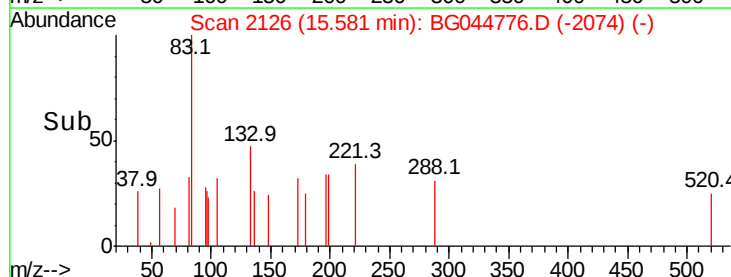
105 95.0 21.3 61.3#

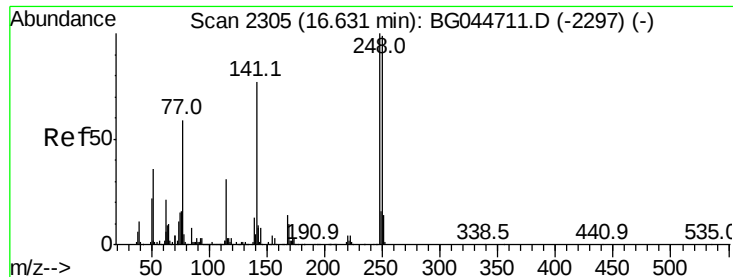


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

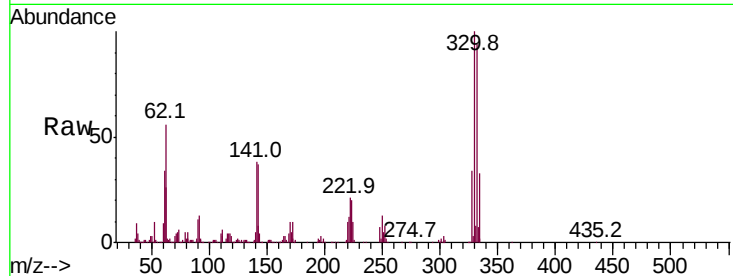




#67
 4-Bromophenyl-phenylether
 Concen: 3.431 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044776.D
 Acq: 13 Mar 2020 20:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	188.6	79.4	119.0#
141	545.1	61.7	92.5#

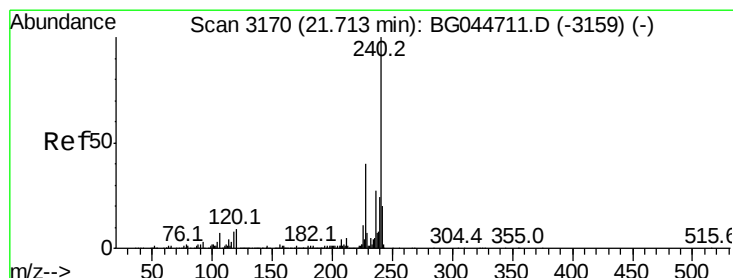
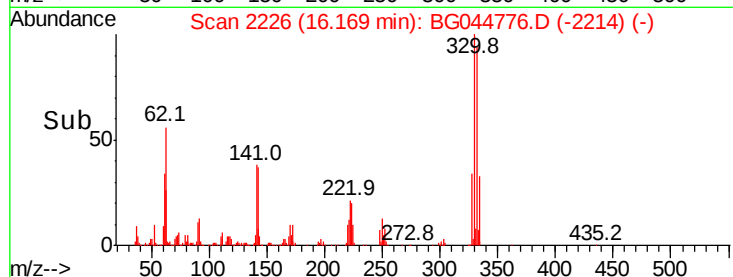
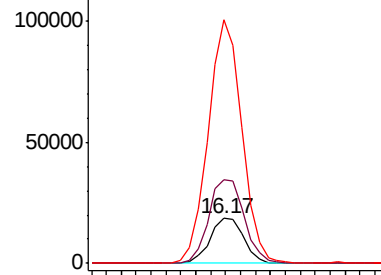


Abundance

Ion 248.00 (247.70 to 248.70): E

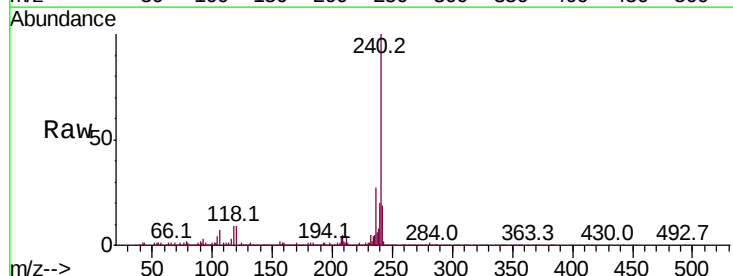
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG044776.D
 Acq: 13 Mar 2020 20:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.9	10.3
236	27.2	21.9	32.9

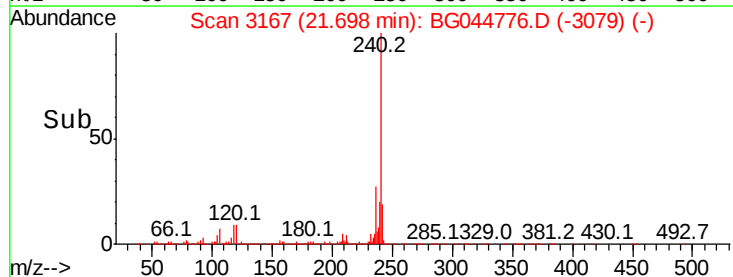
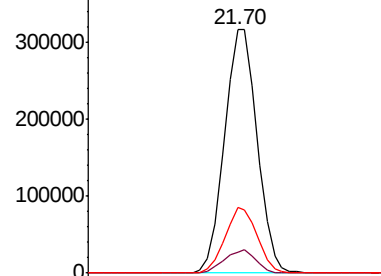


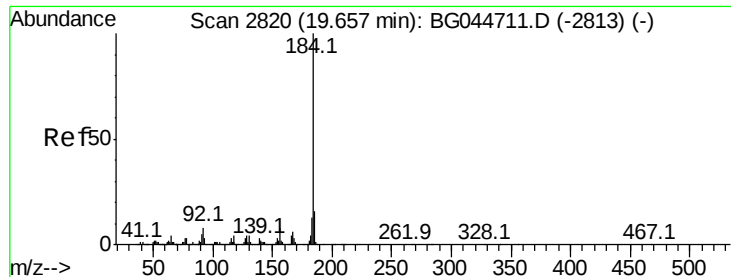
Abundance

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: 2.258 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.38 min

Lab File: BG044776.D

Acq: 13 Mar 2020 20:55

Instrument :

BNA_G

ClientSampleId :

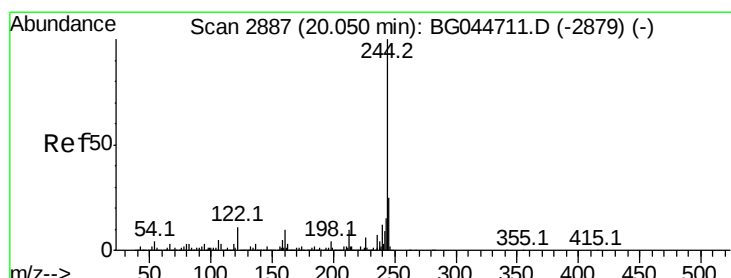
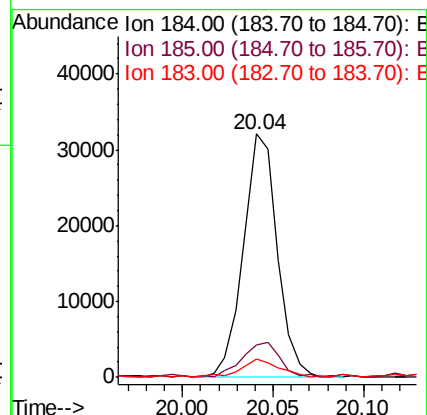
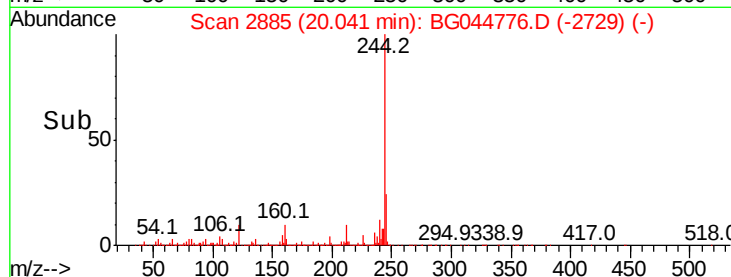
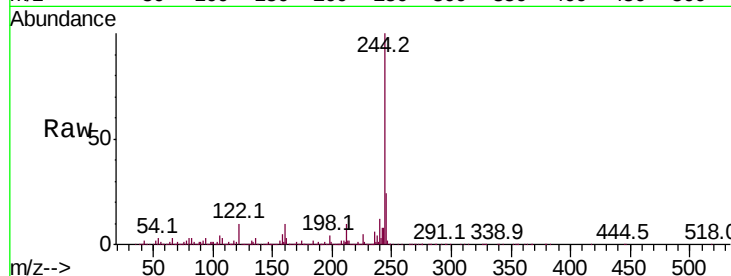
Tot Ion:184 Resp: 41704

Ion Ratio Lower Upper

184 100

185 13.5 12.9 19.3

183 7.5 10.6 15.8#



#79

Terphenyl-d14

Concen: 67.483 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG044776.D

Acq: 13 Mar 2020 20:55

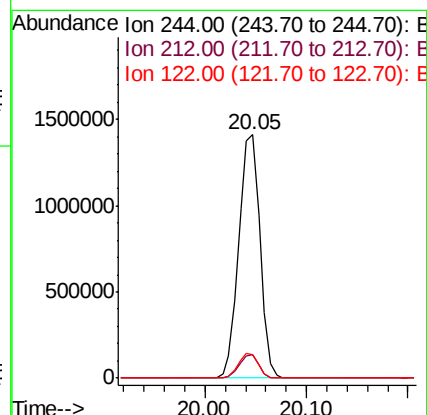
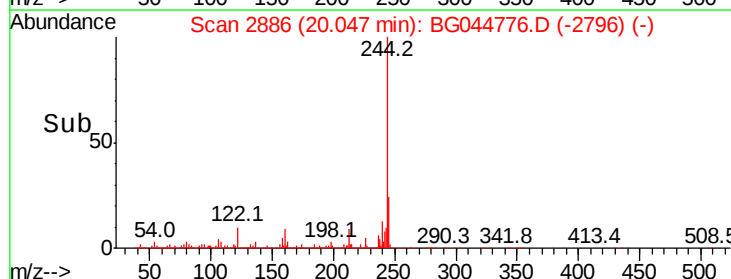
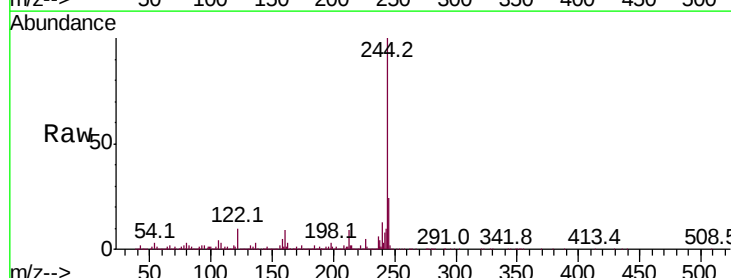
Tgt Ion:244 Resp: 2052407

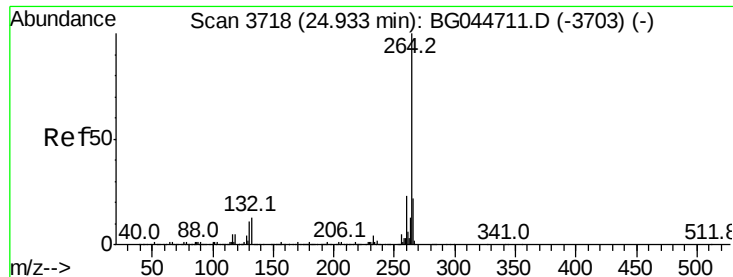
Ion Ratio Lower Upper

244 100

212 9.5 8.4 12.6

122 9.6 8.7 13.1

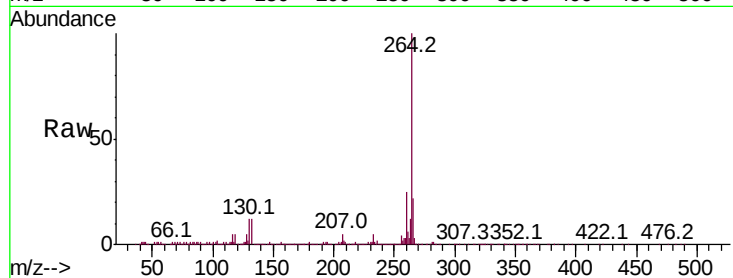




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3715
 Delta R.T. -0.02 min
 Lab File: BG044776.D
 Acq: 13 Mar 2020 20:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	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

