

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044759.D
 Acq On : 13 Mar 2020 7:24
 Operator : CG/JU
 Sample : L1889-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 08:49:35 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	97346	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	399824	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	269757	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	589651	20.00	ng	0.00
76) Chrysene-d12	21.70	240	560000	20.00	ng	-0.01
87) Perylene-d12	24.91	264	644809	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	10191	1.63	ng	0.00
7) Phenol-d6	7.21	99	283638	31.22	ng	0.00
23) Nitrobenzene-d5	9.21	82	548350	60.18	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	56	0.02	ng	0.02
45) 2-Fluorobiphenyl	13.31	172	1168123	62.01	ng	0.00
79) Terphenyl-d14	20.04	244	1875756	62.66	ng	0.00

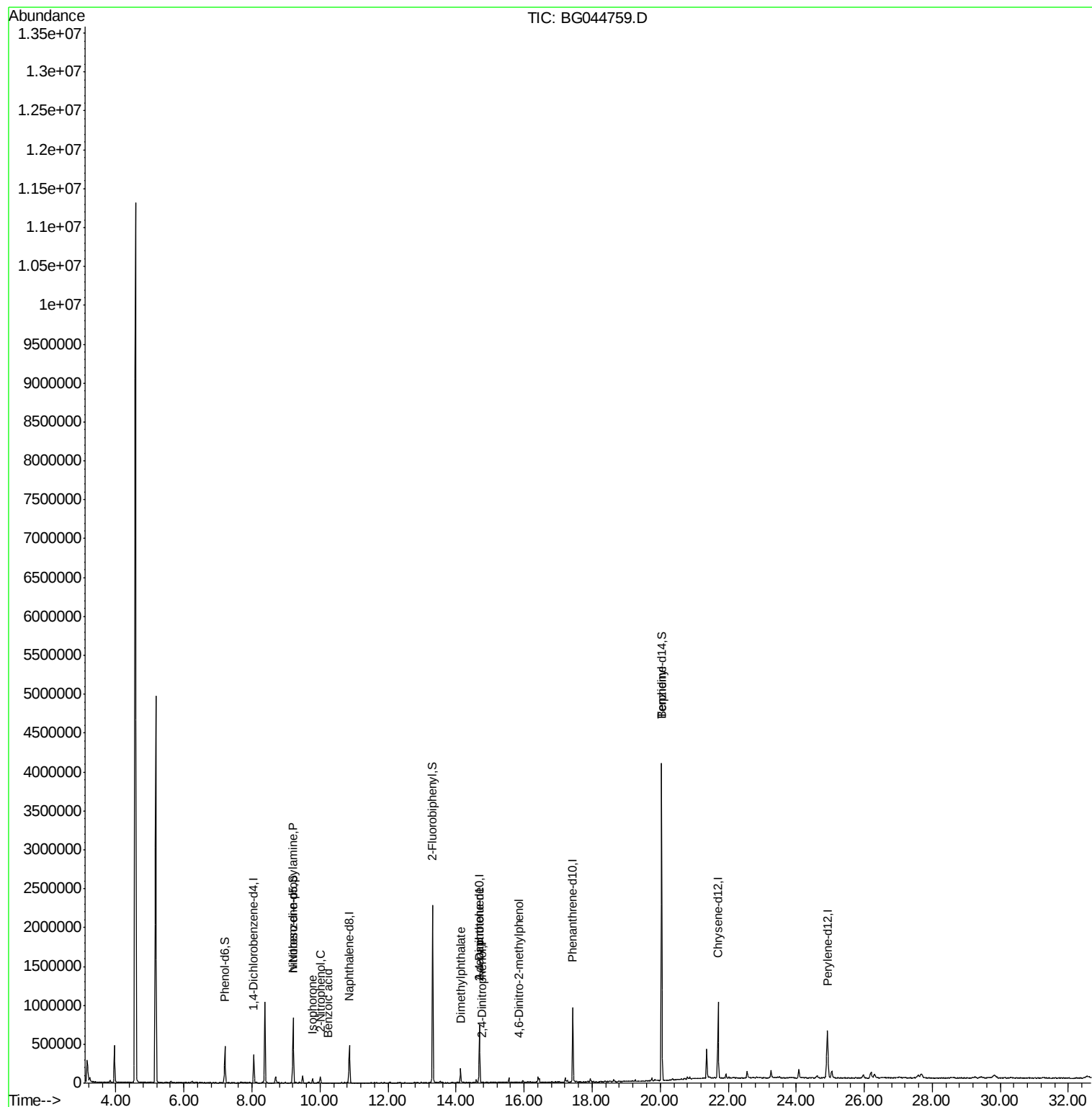
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	206	Below Cal		# 38
19) n-Nitroso-di-n-propylamine	9.20	70	74773	11.655	ng	# 70
25) Isophorone	9.77	82	45829	2.577	ng	# 99
26) 2-Nitrophenol	10.01	139	59	5.531	ng	# 43
32) Benzoic acid	10.23	122	58	9.680	ng	# 11
50) Dimethylphthalate	14.13	163	119154	5.546	ng	# 95
54) 2,4-Dinitrophenol	14.76	184	55	8.344	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	35024	5.897	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.85	198	60	7.746	ng	# 35
77) Benzidine	20.04	184	37379	2.056	ng	# 90

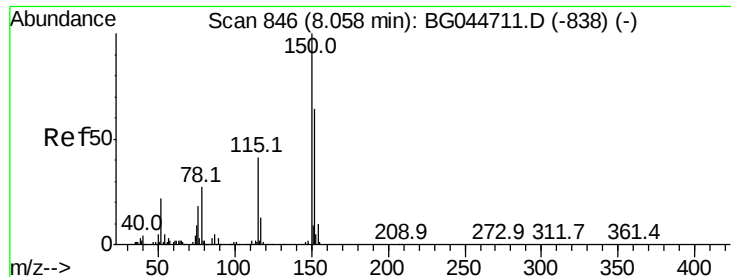
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
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Misc :
ALS Vial : 31 Sample Multiplier: 1

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BNA_G
ClientSampleId :

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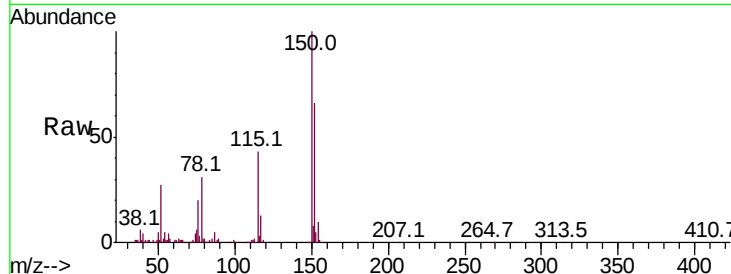


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG044759.D
 Acq: 13 Mar 2020 7:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	125.3	187.9
115	65.1	51.7	77.5

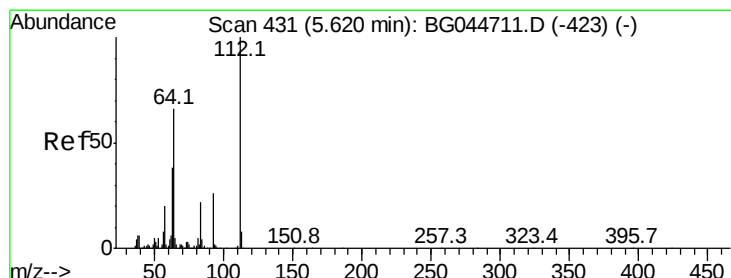
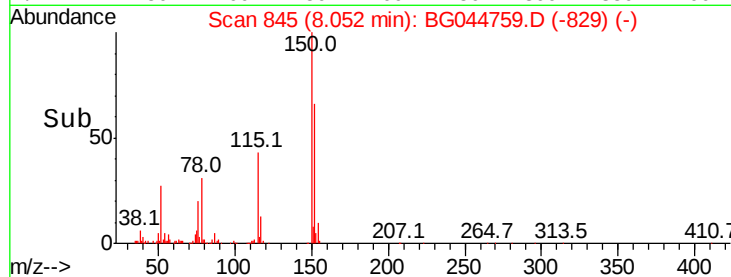
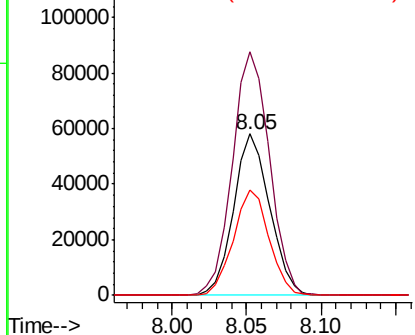


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

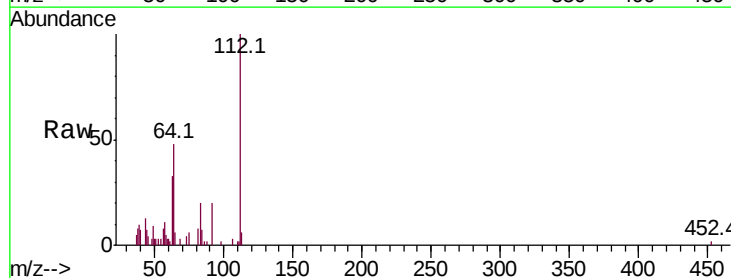
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 1.630 ng
 RT: 5.62 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: BG044759.D
 Acq: 13 Mar 2020 7:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.0	52.6	78.8#
63	33.1	30.2	45.4

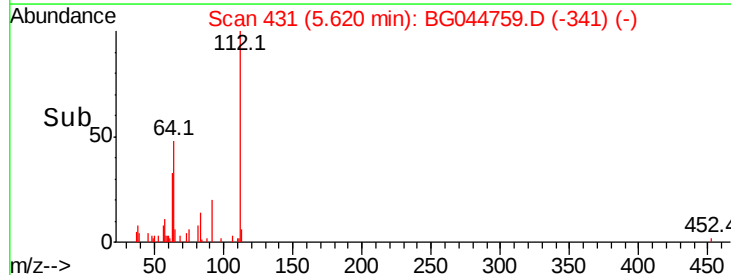
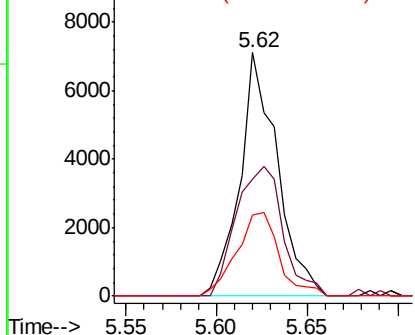


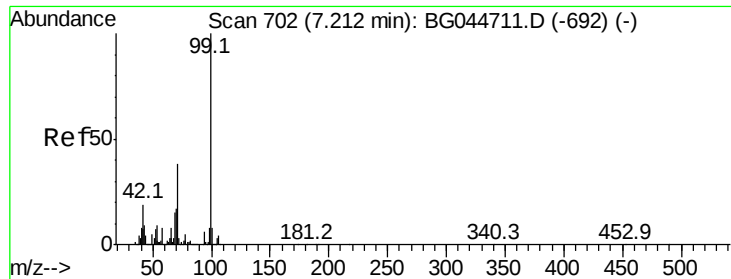
Abundance

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: 31.218 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

Instrument :

BNA_G

ClientSampleId :

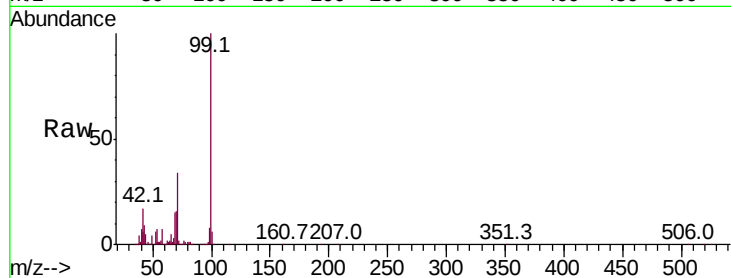
Tot Ion: 99 Resp: 283638

Ion Ratio Lower Upper

99 100

42 16.6 15.4 23.0

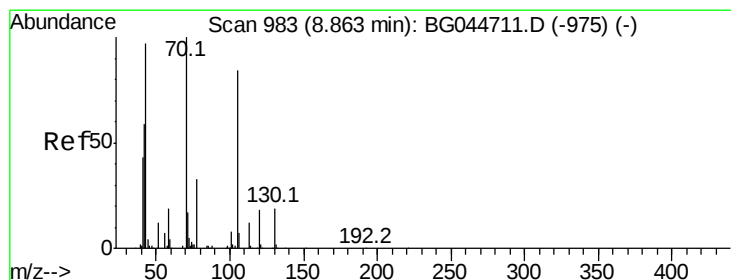
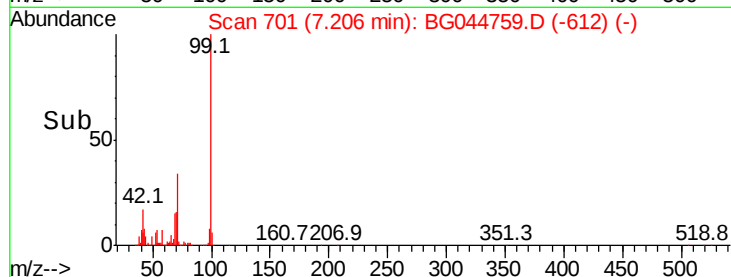
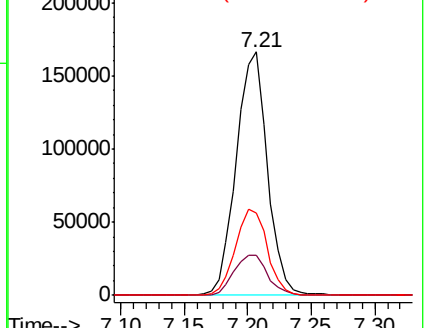
71 34.0 30.2 45.4



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: 11.655 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

Tgt Ion: 70 Resp: 74773

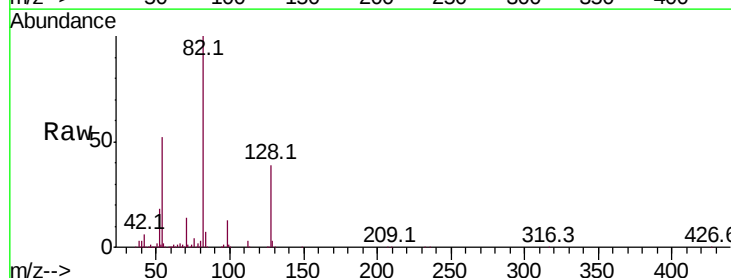
Ion Ratio Lower Upper

70 100

42 38.4 47.6 71.4#

101 0.0 6.5 9.7#

130 2.0 15.0 22.4#

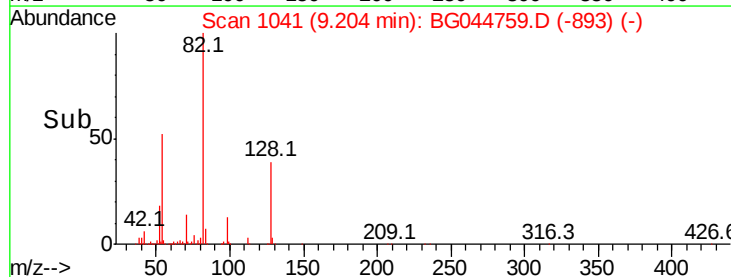
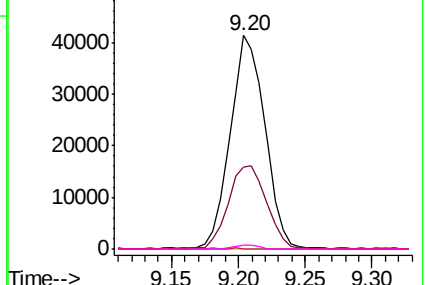


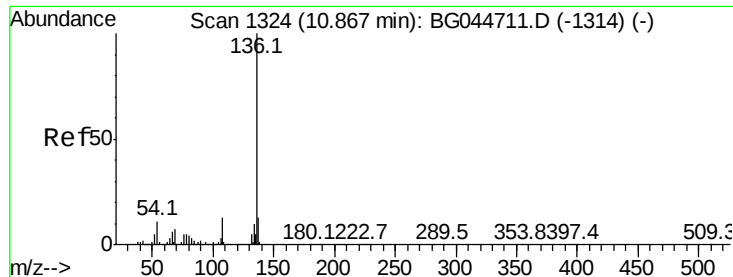
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

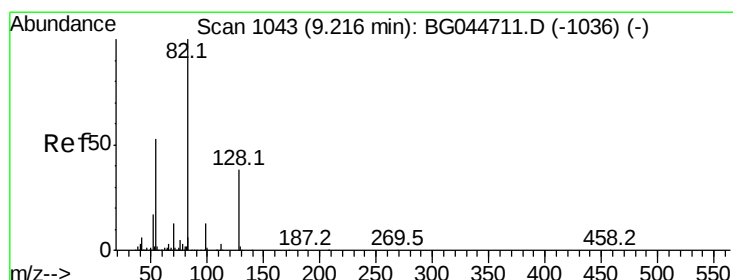
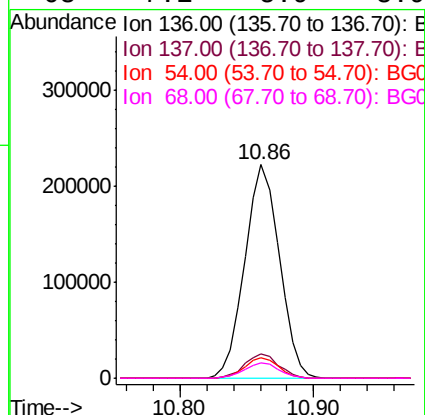
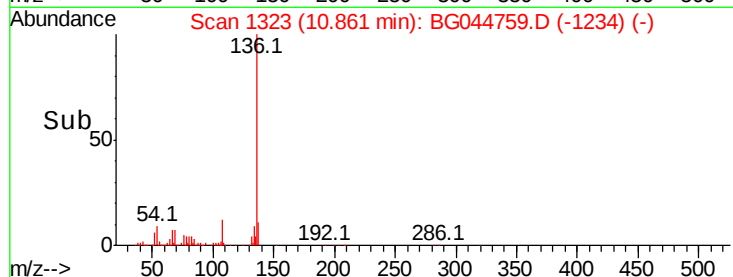
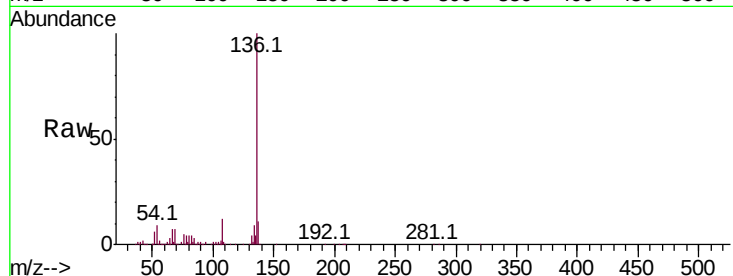




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044759.D
Acq: 13 Mar 2020 7:24

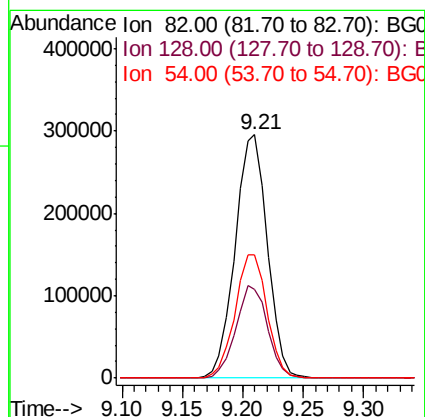
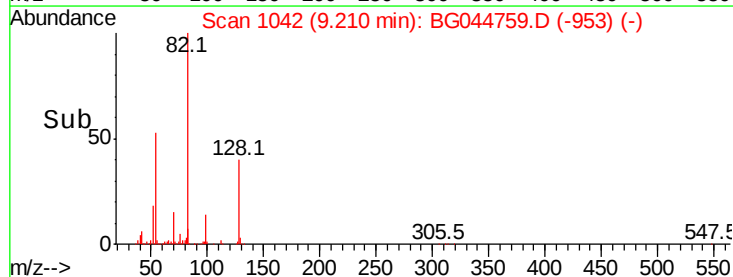
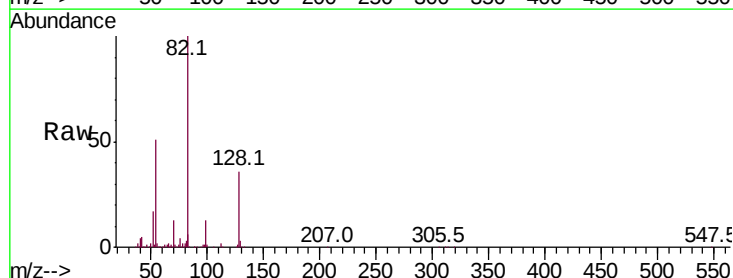
Instrument :
BNA_G
ClientSampleId :

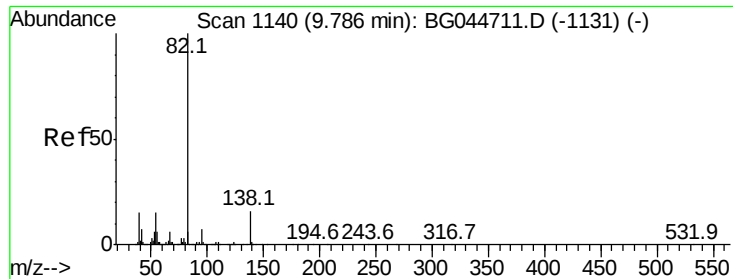
Tot Ion:136	Resp:	399824	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	10.7	16.1	
54 9.4	9.0	13.4	
68 7.1	5.9	8.9	



#23
Nitrobenzene-d5
Concen: 60.182 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044759.D
Acq: 13 Mar 2020 7:24

Tgt Ion: 82	Resp: 548350
Ion Ratio	Lower Upper
82 100	
128 36.3	30.2 45.2
54 50.7	41.8 62.8





#25

Isophorone

Concen: 2.577 ng

RT: 9.77 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

Instrument :

BNA_G

ClientSampleId :

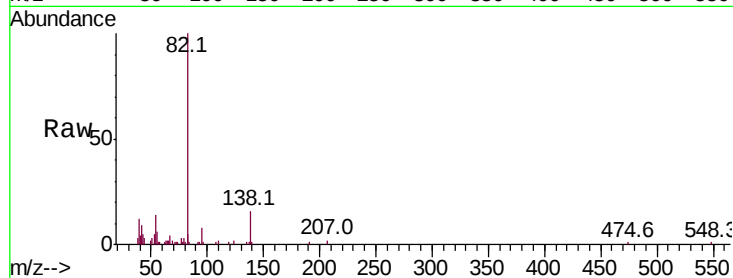
Tot Ion: 82 Resp: 45829

Ion Ratio Lower Upper

82 100

95 7.9 5.6 8.4

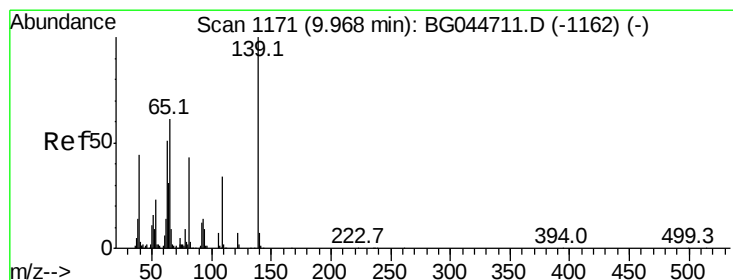
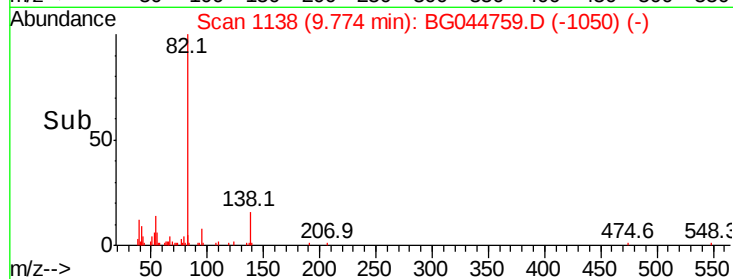
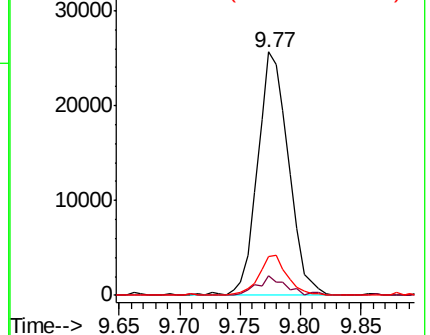
138 15.8 13.0 19.4



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 5.531 ng

RT: 10.01 min Scan# 1179

Delta R.T. 0.05 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

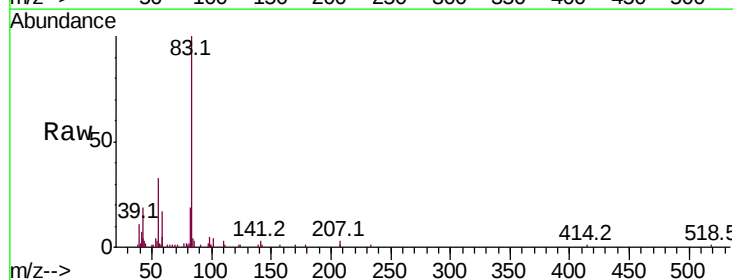
Tgt Ion: 139 Resp: 59

Ion Ratio Lower Upper

139 100

109 0.0 27.0 40.4#

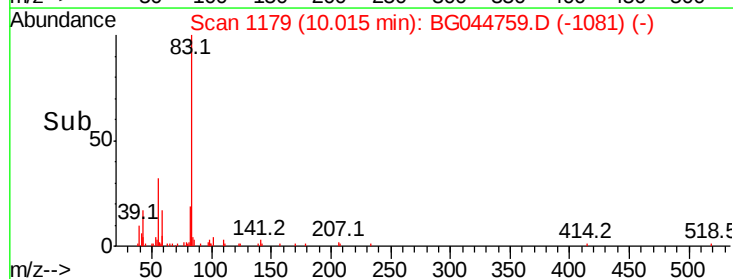
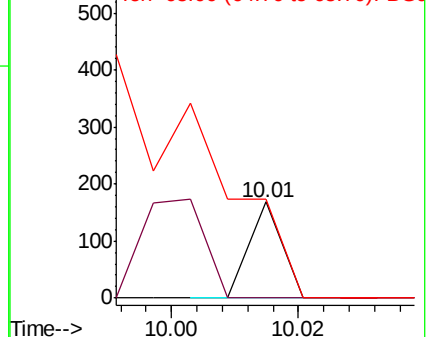
65 103.0 48.6 73.0#

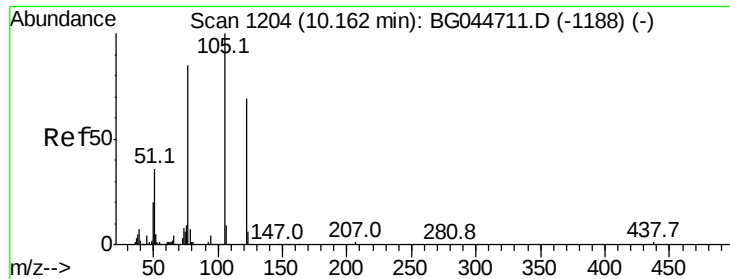


Abundance Ion 139.00 (138.70 to 139.70): BGC

Ion 109.00 (108.70 to 109.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#32

Benzoic acid

Concen: 9.680 ng

RT: 10.23 min Scan# 1216

Delta R.T. 0.07 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

Instrument :

BNA_G

ClientSampleId :

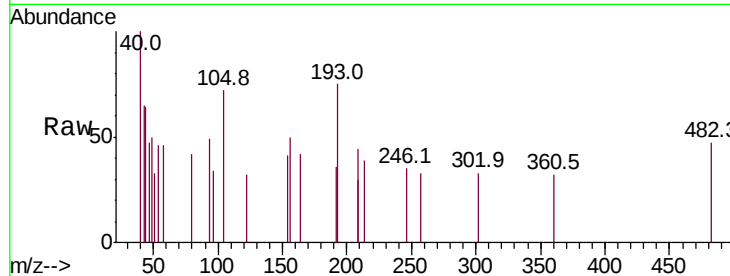
Tot Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 228.7 119.0 159.0#

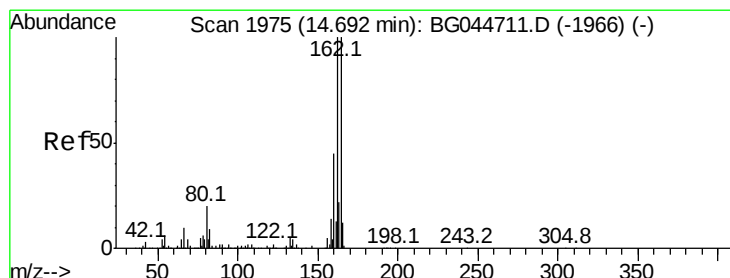
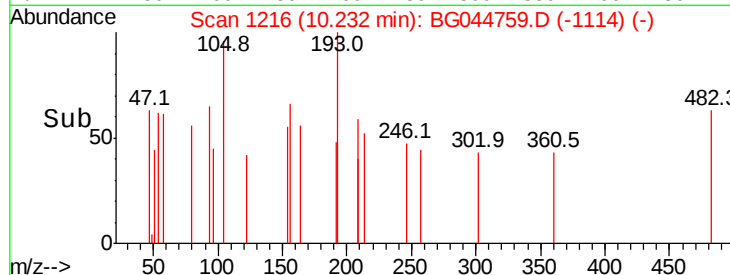
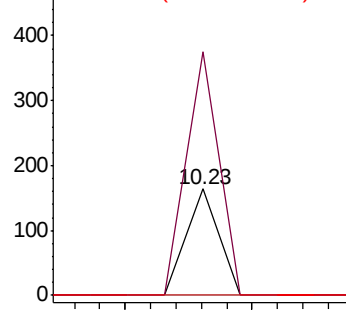
77 0.0 96.4 136.4#



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): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

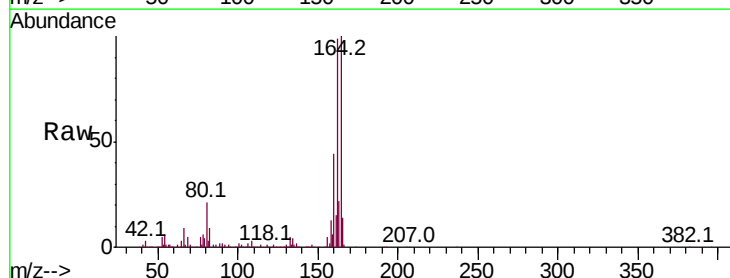
Tgt Ion:164 Resp: 269757

Ion Ratio Lower Upper

164 100

162 99.4 80.2 120.4

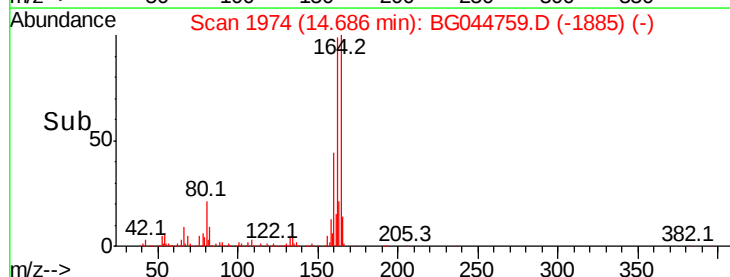
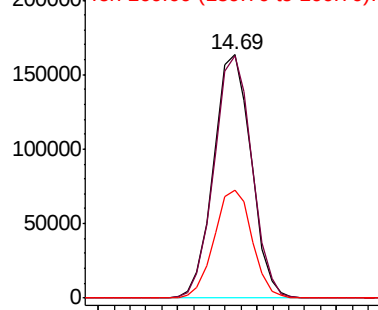
160 44.1 36.2 54.2

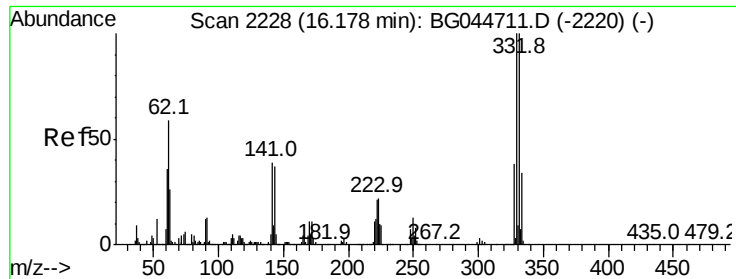


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

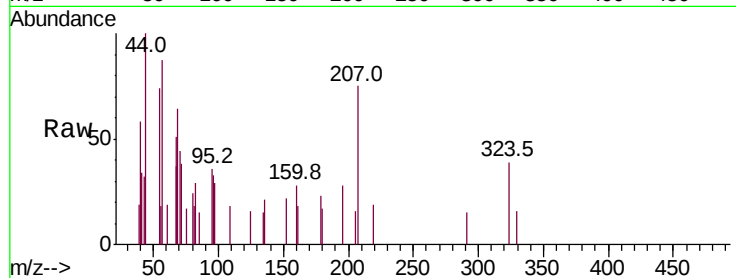




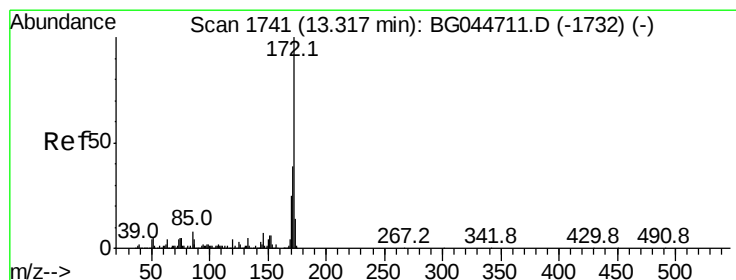
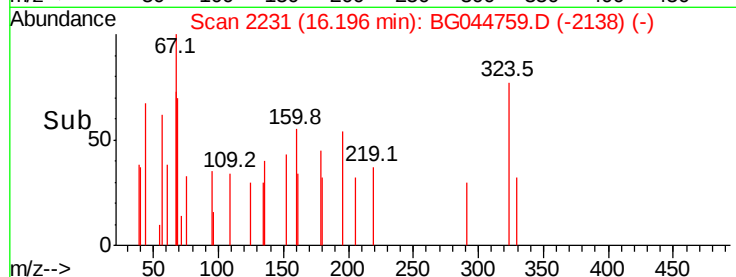
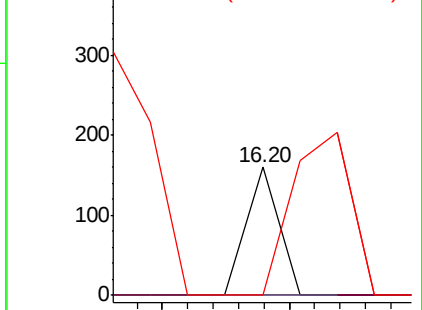
#42
 2,4,6-Tribromophenol
 Concen: 0.016 ng
 RT: 16.20 min Scan# 2231
 Delta R.T. 0.02 min
 Lab File: BG044759.D
 Acq: 13 Mar 2020 7:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 56
 Ion Ratio Lower Upper
 330 100
 332 0.0 77.5 116.3#
 141 233.9 31.7 47.5#

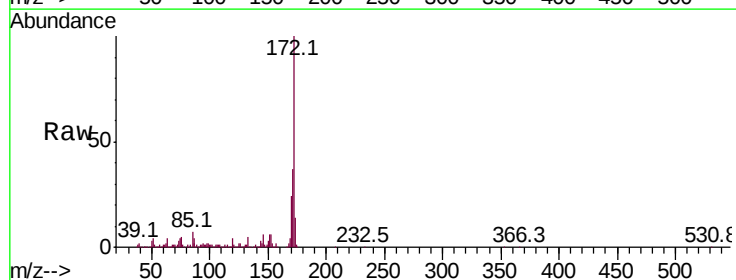


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

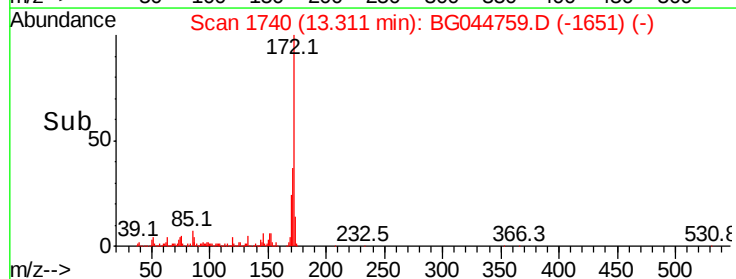
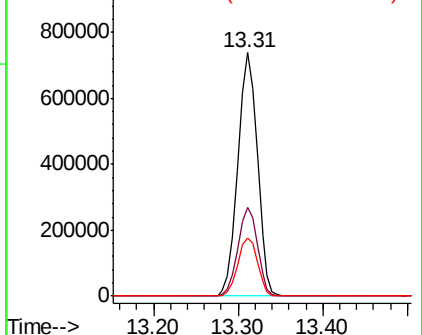


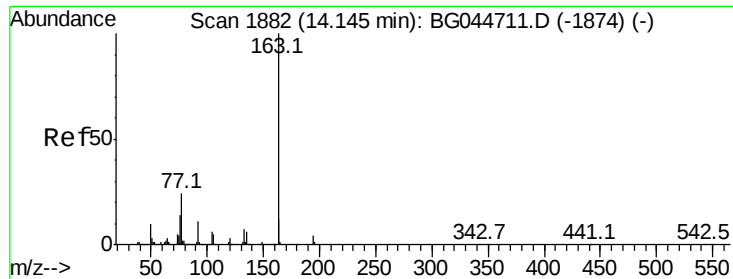
#45
 2-Fluorobiphenyl
 Concen: 62.011 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG044759.D
 Acq: 13 Mar 2020 7:24

Tgt Ion:172 Resp: 1168123
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.8 46.2
 170 23.6 20.0 30.0



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





#50

Dimethylphthalate

Concen: 5.546 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

Instrument :

BNA_G

ClientSampled :

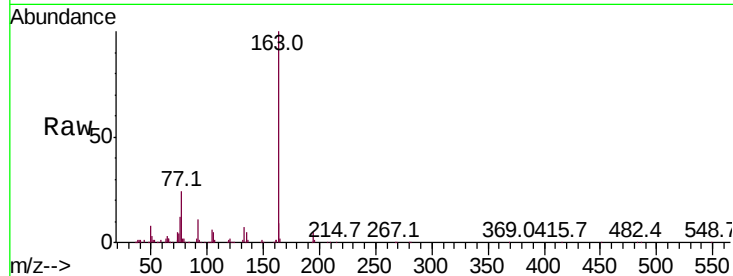
Tot Ion:163 Resp: 119154

Ion Ratio Lower Upper

163 100

194 5.4 3.5 5.3#

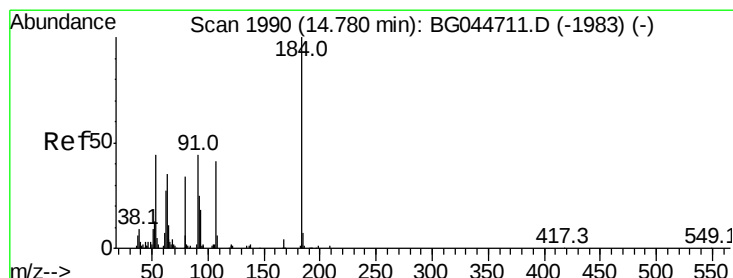
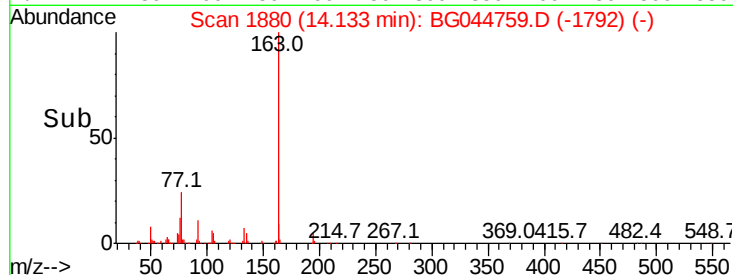
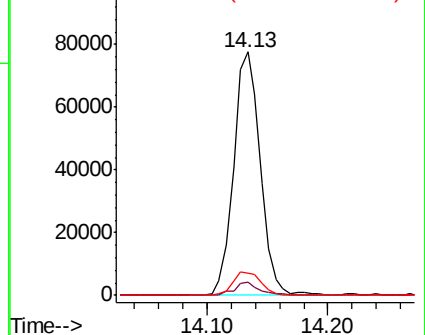
164 9.3 9.2 13.8



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: 14.76 min Scan# 1986

Delta R.T. -0.02 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

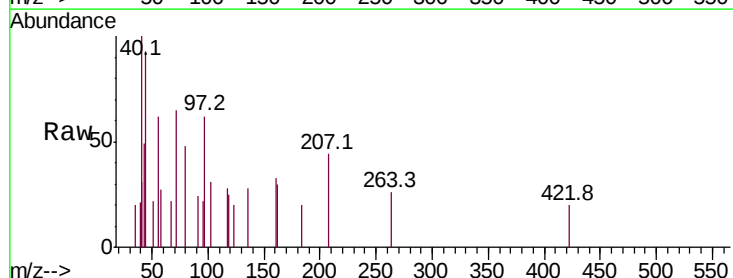
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 49.0 73.6#

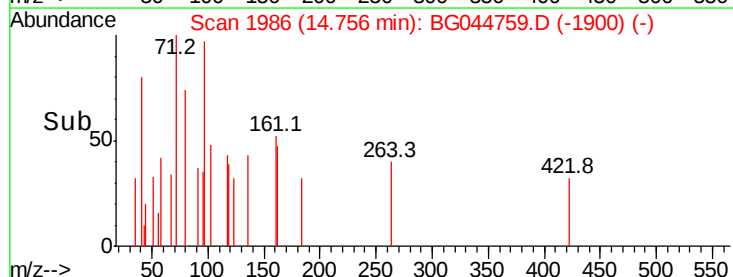
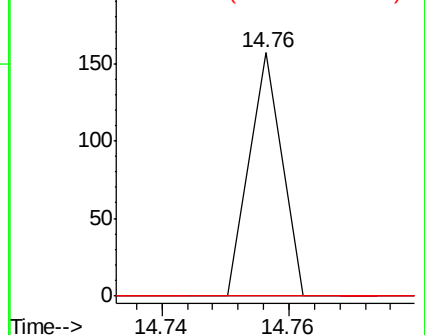
154 0.0 94.5 141.7#

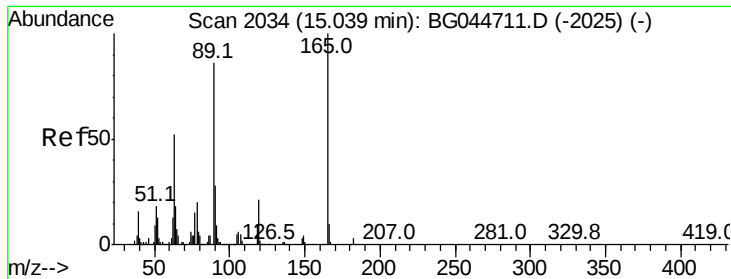


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

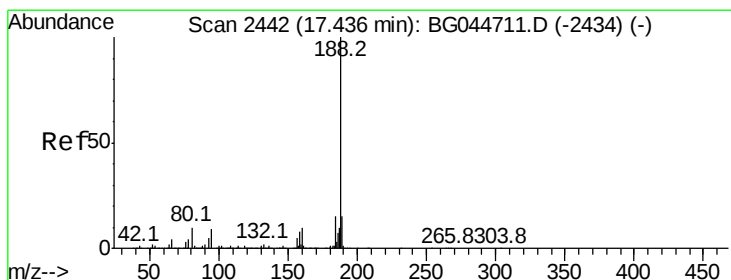
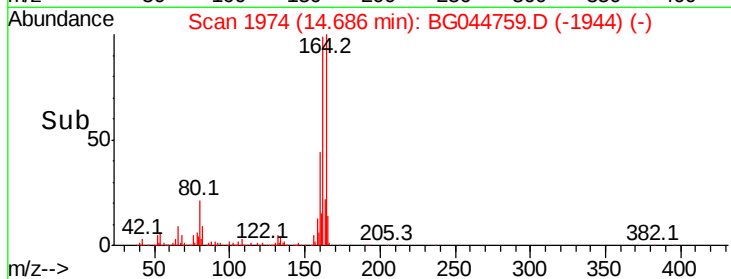
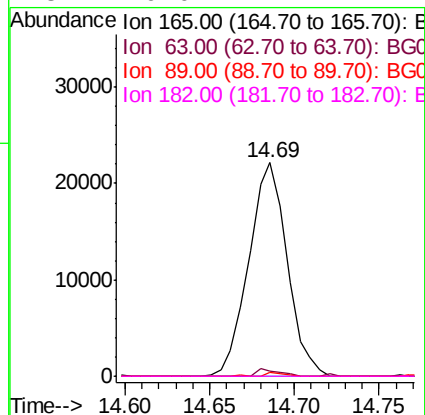
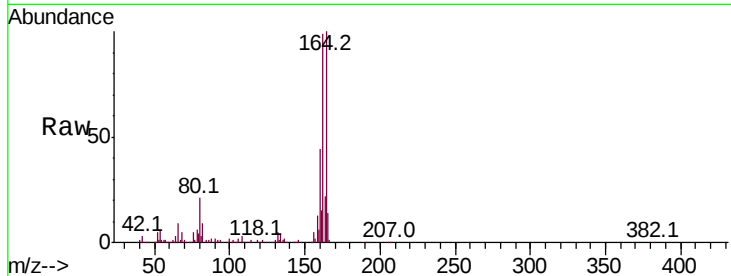




#57
 2,4-Dinitrotoluene
 Concen: 5.897 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.35 min
 Lab File: BG044759.D
 Acq: 13 Mar 2020 7:24

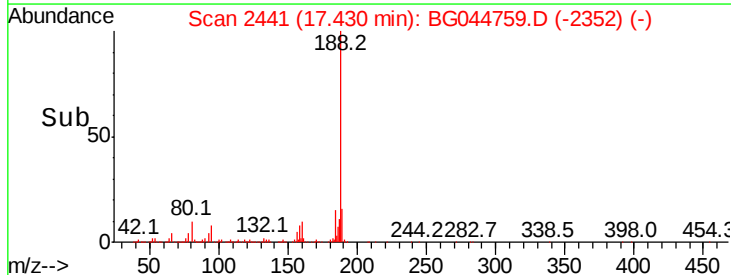
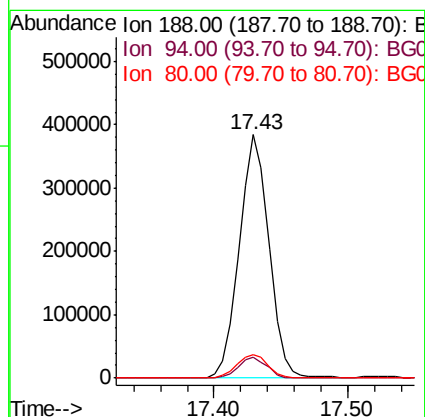
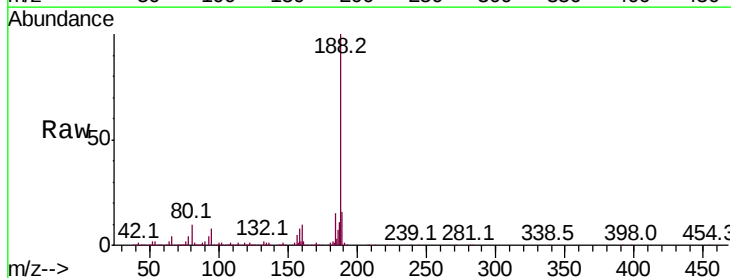
Instrument :
 BNA_G
 ClientSampleId :

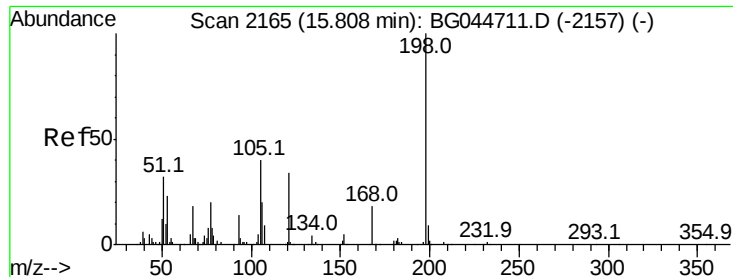
Tot Ion:165 Resp: 35024
 Ion Ratio Lower Upper
 165 100
 63 2.2 41.5 62.3#
 89 1.6 69.0 103.4#
 182 0.0 2.7 4.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG044759.D
 Acq: 13 Mar 2020 7:24

Tgt Ion:188 Resp: 589651
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.0 10.6
 80 9.8 8.4 12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.746 ng

RT: 15.85 min Scan# 2172

Delta R.T. 0.04 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

Instrument :

BNA_G

ClientSampled :

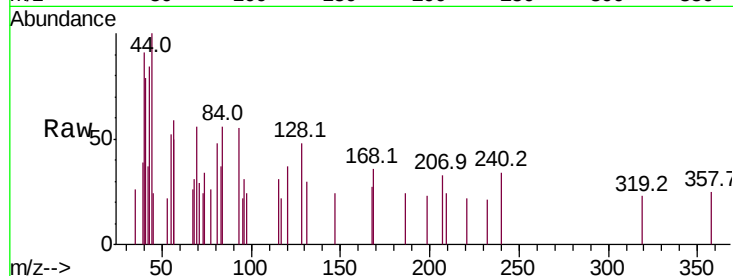
Tot Ion:198 Resp: 60

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

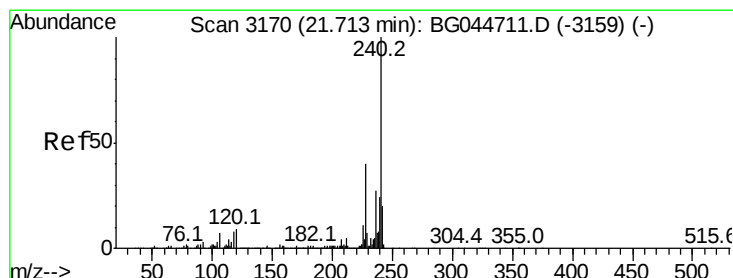
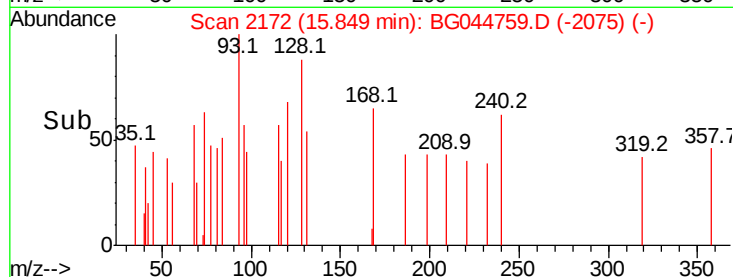
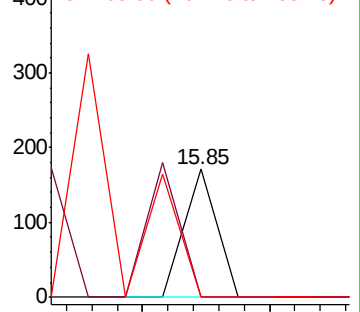
105 0.0 21.3 61.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

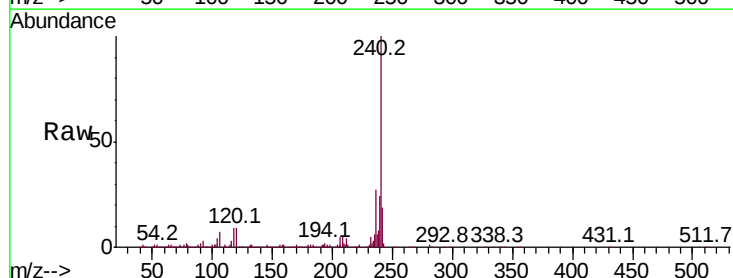
Tgt Ion:240 Resp: 560000

Ion Ratio Lower Upper

240 100

120 9.5 6.9 10.3

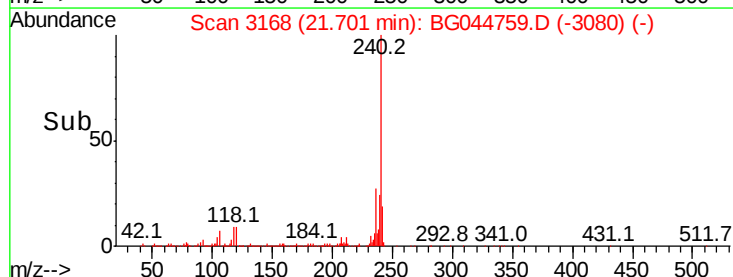
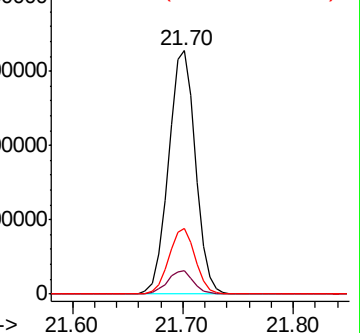
236 26.8 21.9 32.9

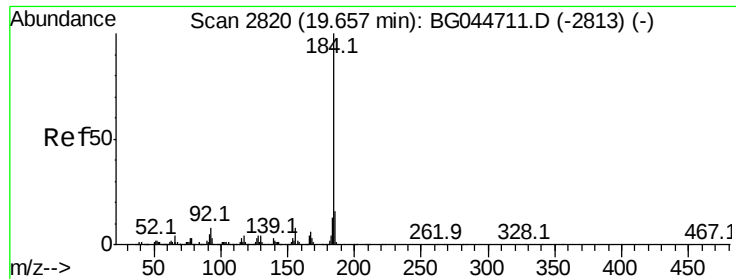


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.056 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

Instrument :

BNA_G

ClientSampleId :

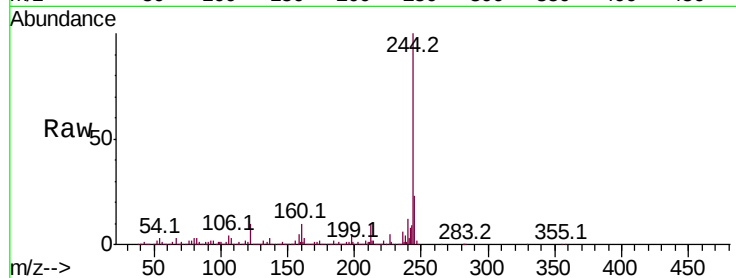
Tot Ion:184 Resp: 37379

Ion Ratio Lower Upper

184 100

185 14.0 12.9 19.3

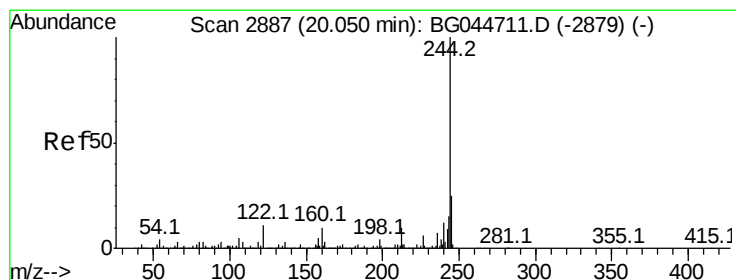
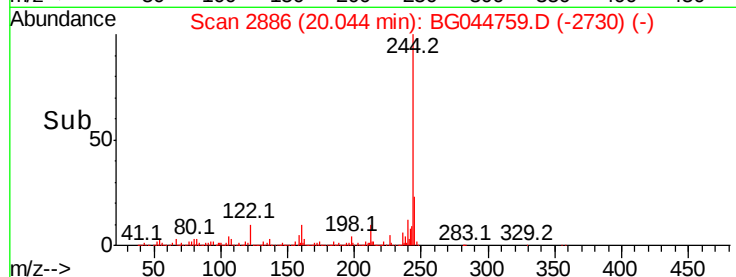
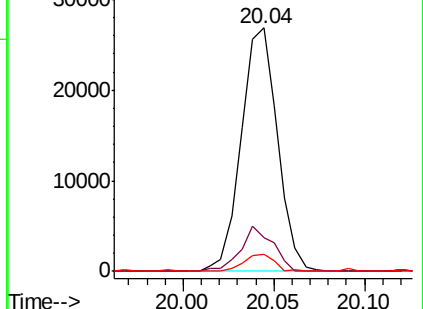
183 7.1 10.6 15.8#



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: 62.655 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044759.D

Acq: 13 Mar 2020 7:24

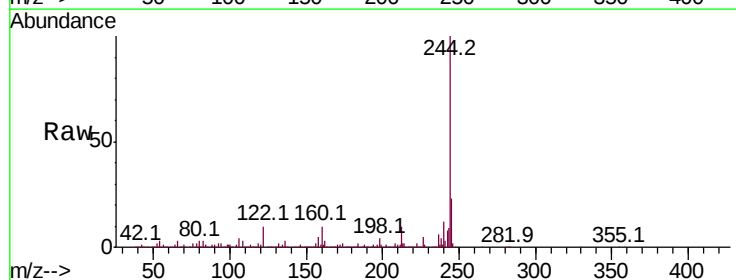
Tgt Ion:244 Resp: 1875756

Ion Ratio Lower Upper

244 100

212 9.9 8.4 12.6

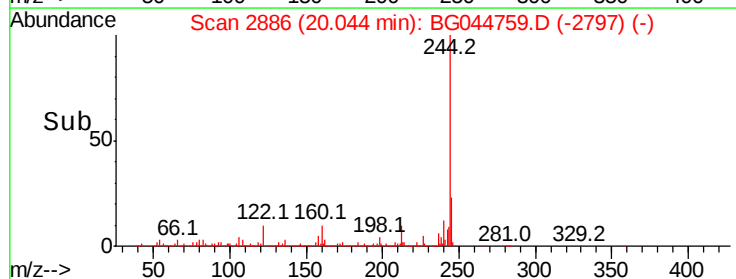
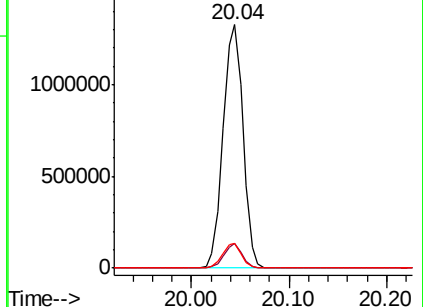
122 10.4 8.7 13.1

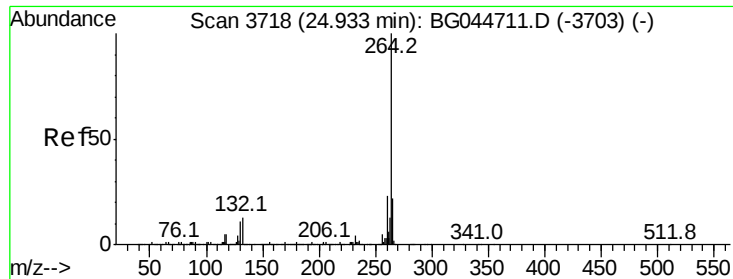


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.91 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044759.D
Acq: 13 Mar 2020 7:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.4	27.6
265	22.6	17.4	26.2

