

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044758.D
 Acq On : 13 Mar 2020 6:44
 Operator : CG/JU
 Sample : L1824-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 07:49:14 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	95295	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	391227	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	273856	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	593342	20.00	ng	0.00
76) Chrysene-d12	21.70	240	550626	20.00	ng	-0.02
87) Perylene-d12	24.92	264	624174	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	323665	52.87	ng	0.00
7) Phenol-d6	7.20	99	281038	31.60	ng	-0.01
23) Nitrobenzene-d5	9.21	82	761823	85.45	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	449263	125.29	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1597724	83.55	ng	0.00
79) Terphenyl-d14	20.05	244	2326949	79.05	ng	0.00

Target Compounds

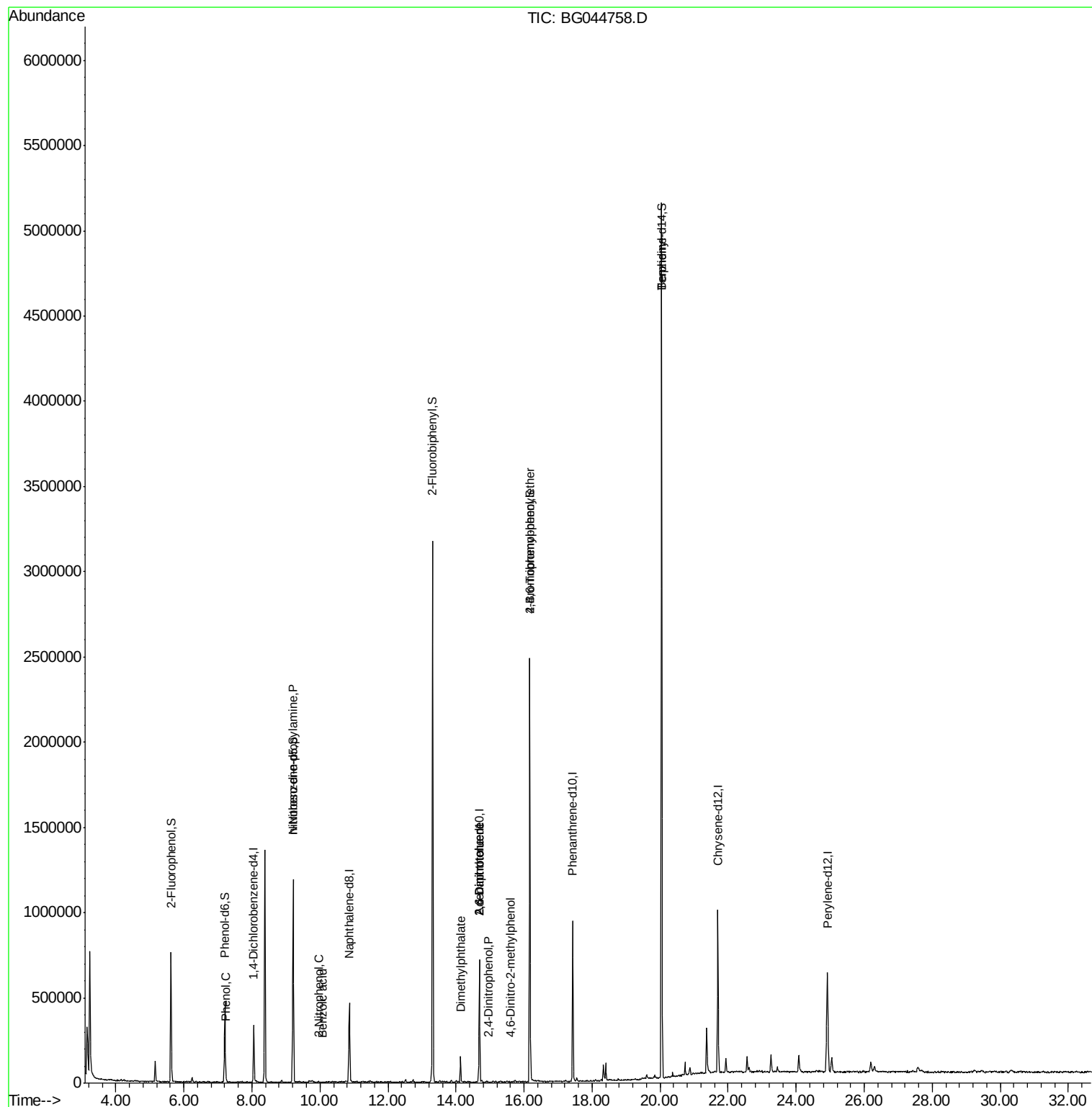
						Qvalue
9) Benzaldehyde	7.18	77	900	Below Cal	#	31
10) Phenol	7.23	94	19003	2.158 ng		95
19) n-Nitroso-di-n-propylamine	9.21	70	103909	16.545 ng	#	78
26) 2-Nitrophenol	9.96	139	121	5.549 ng	#	28
32) Benzoic acid	10.06	122	77	9.684 ng	#	23
50) Dimethylphthalate	14.13	163	96649	4.431 ng		99
51) 2,6-Dinitrotoluene	14.68	165	34711	7.895 ng	#	20
54) 2,4-Dinitrophenol	14.96	184	55	8.344 ng	#	2
57) 2,4-Dinitrotoluene	14.68	165	34711	5.757 ng	#	17
65) 4,6-Dinitro-2-methylphenol	15.61	198	110	7.761 ng	#	59
67) 4-Bromophenyl-phenylether	16.17	248	30888	4.164 ng	#	1
77) Benzidine	20.05	184	46790	2.618 ng	#	91

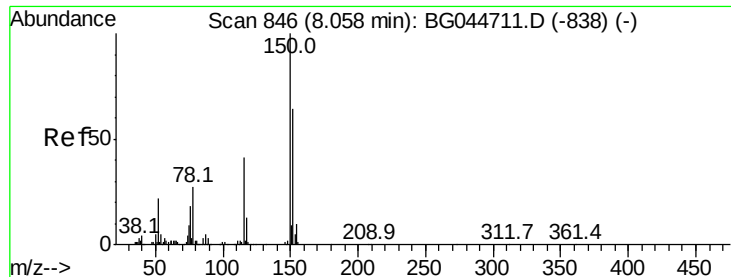
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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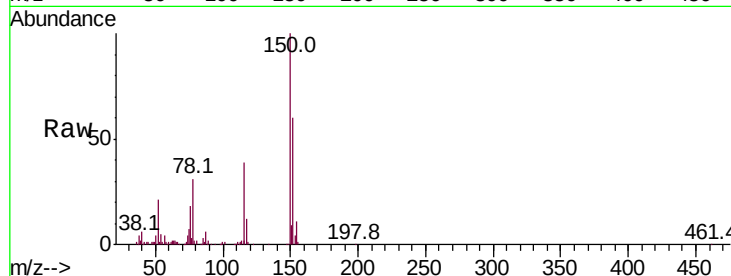


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044758.D
Acq: 13 Mar 2020 6:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.5	125.3	187.9
115	64.4	51.7	77.5

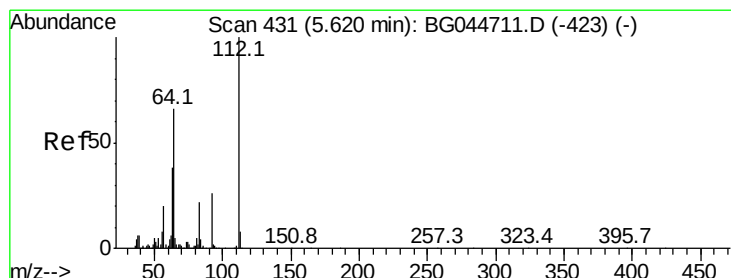
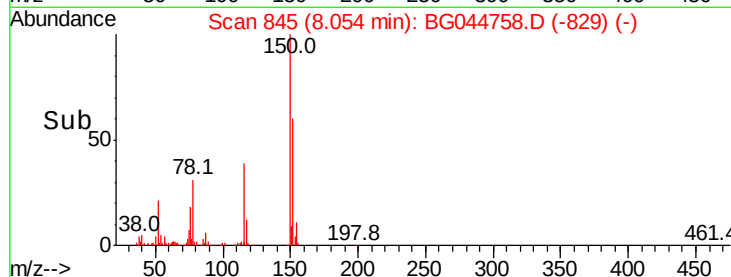
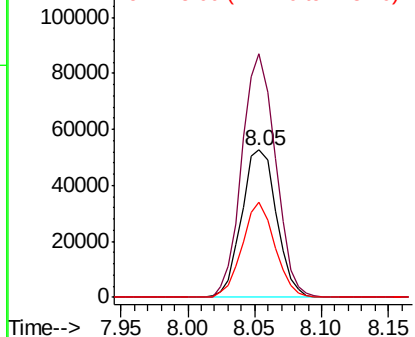


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

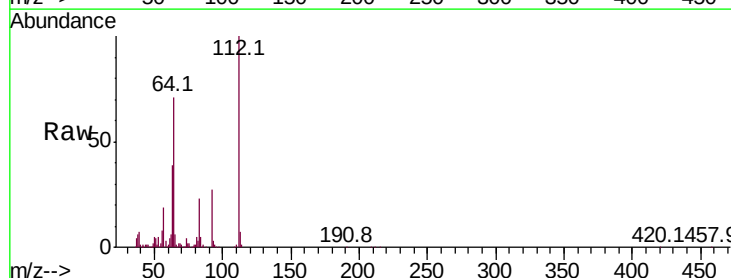
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 52.872 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044758.D
Acq: 13 Mar 2020 6:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	52.6	78.8
63	38.8	30.2	45.4

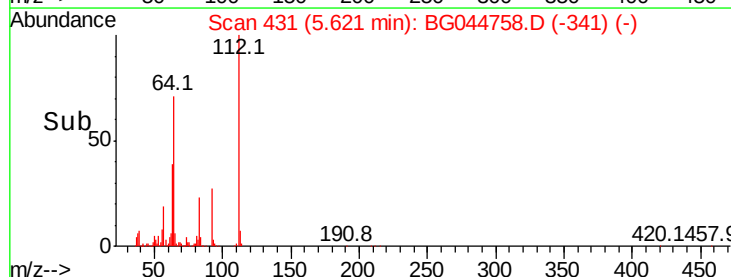
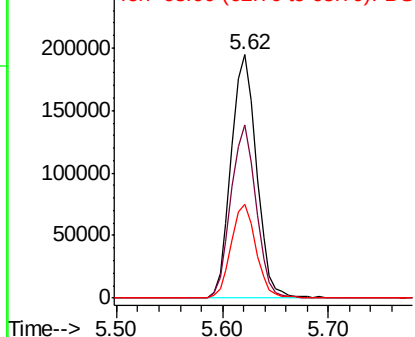


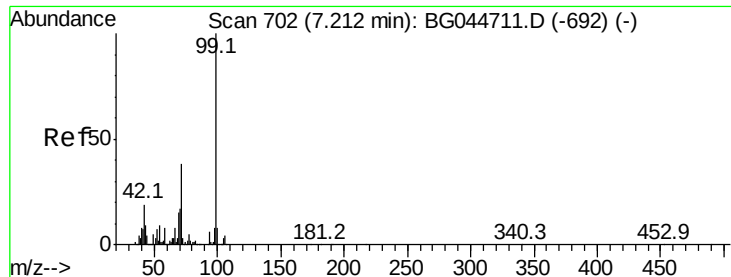
Abundance

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: 31.598 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

Instrument :

BNA_G

ClientSampleId :

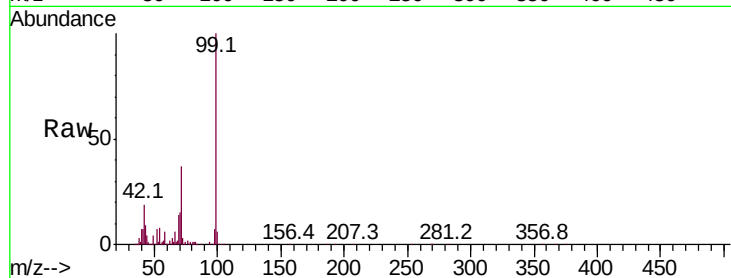
Tot Ion: 99 Resp: 281038

Ion Ratio Lower Upper

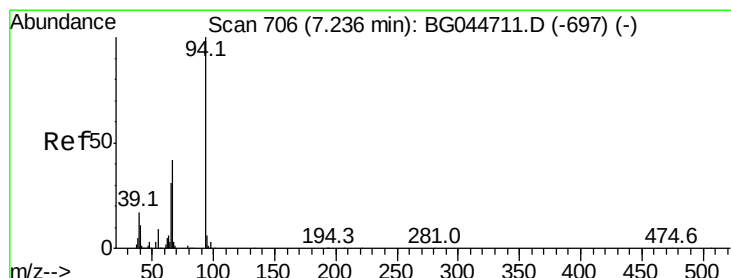
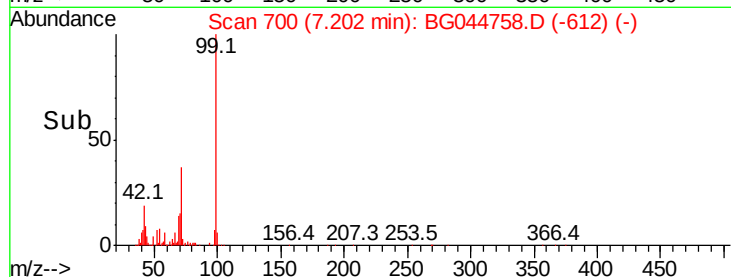
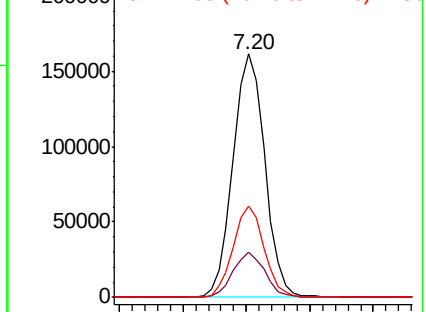
99 100

42 18.8 15.4 23.0

71 37.4 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: 2.158 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

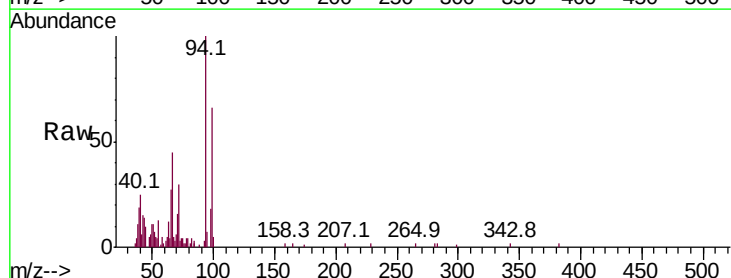
Tgt Ion: 94 Resp: 19003

Ion Ratio Lower Upper

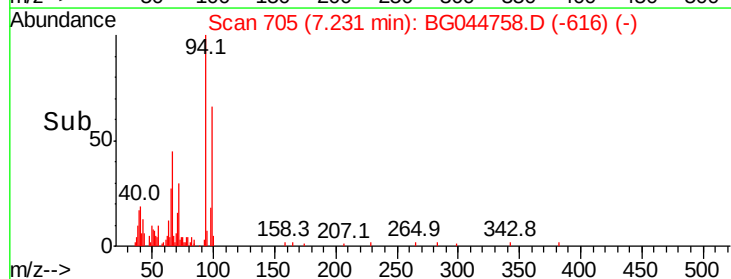
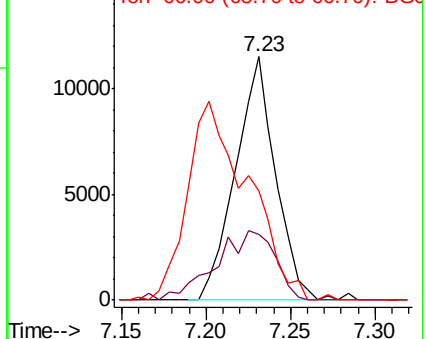
94 100

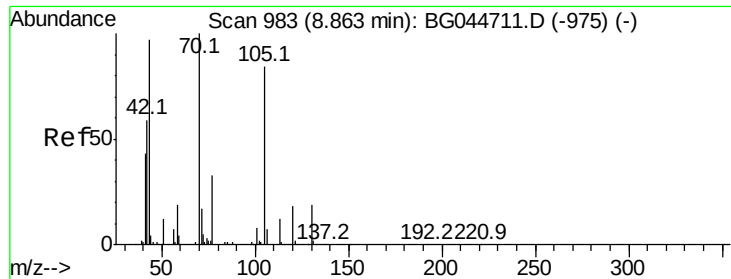
65 27.0 11.3 51.3

66 45.0 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

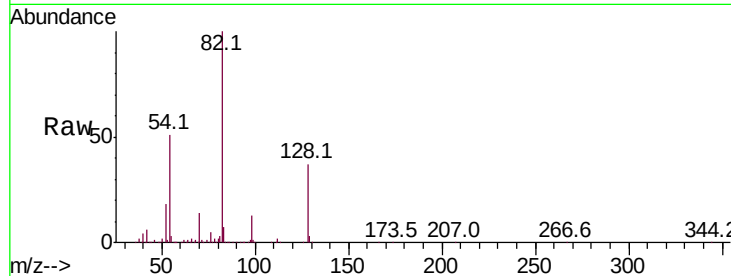




#19
n-Nitroso-di-n-propylamine
Concen: 16.545 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.35 min
Lab File: BG044758.D
Acq: 13 Mar 2020 6:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
70	100		
42	46.9	47.6	71.4#
101	0.0	6.5	9.7#
130	2.3	15.0	22.4#



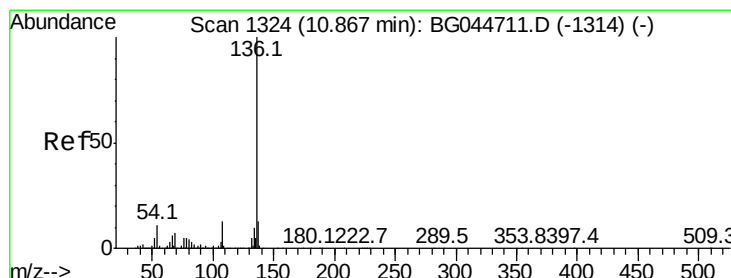
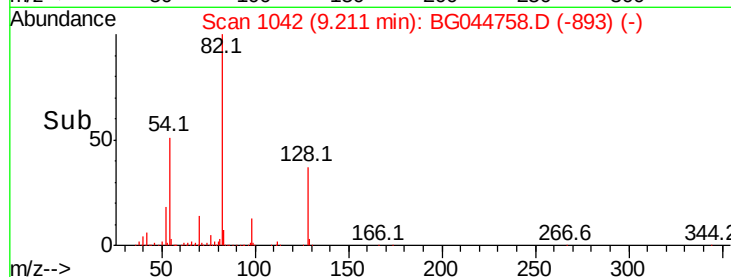
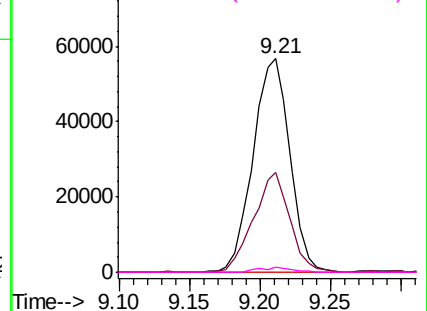
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

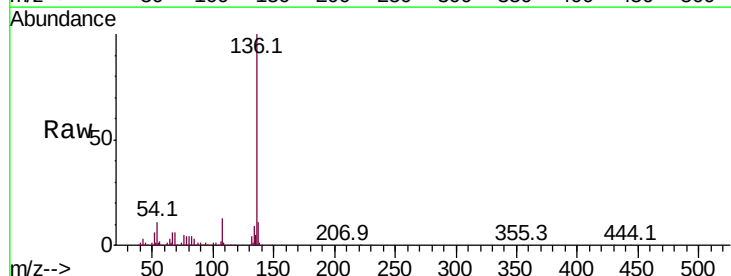
Ion 101.00 (100.70 to 101.70): BGC

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: BG044758.D
Acq: 13 Mar 2020 6:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	10.7	16.1
54	10.8	9.0	13.4
68	5.6	5.9	8.9#



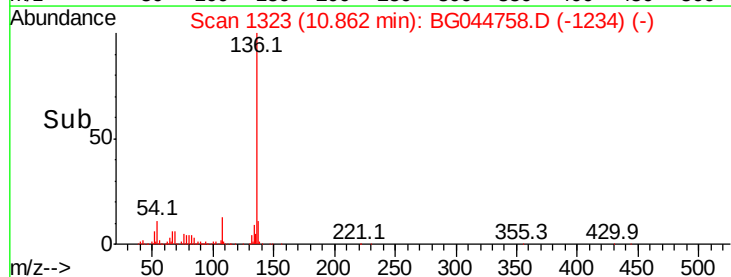
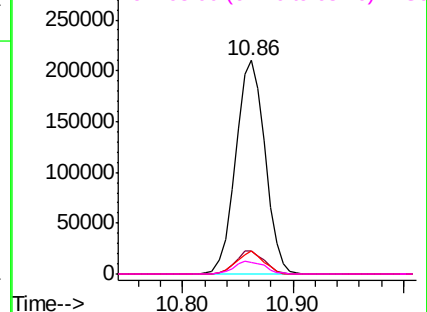
Abundance

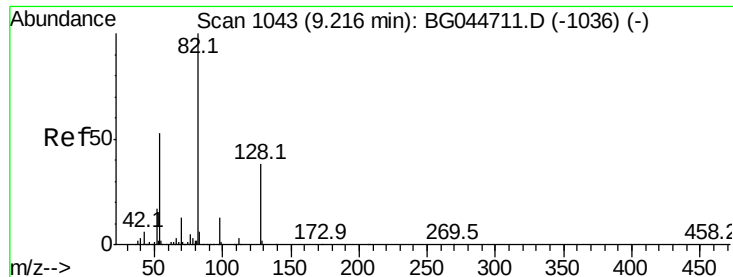
Ion 136.00 (135.70 to 136.70): BGC

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: 85.449 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

Instrument :

BNA_G

ClientSampleId :

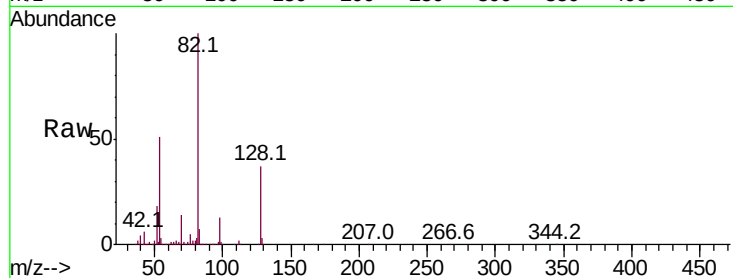
Tot Ion: 82 Resp: 761823

Ion Ratio Lower Upper

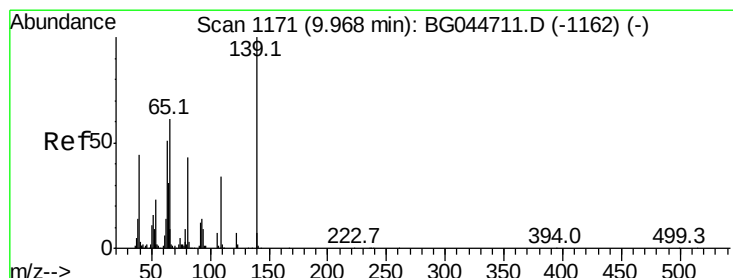
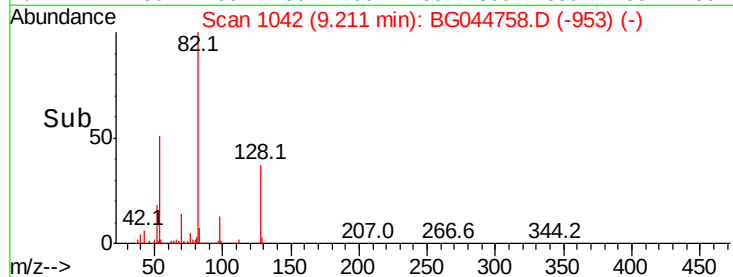
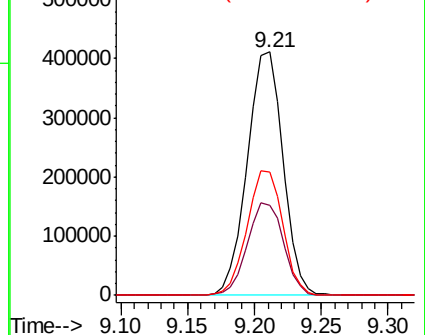
82 100

128 36.9 30.2 45.2

54 50.8 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: 5.549 ng

RT: 9.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

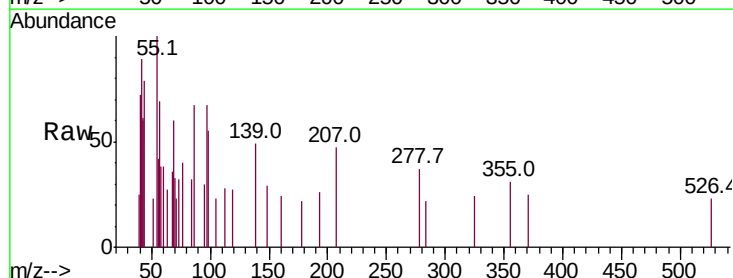
Tgt Ion: 139 Resp: 121

Ion Ratio Lower Upper

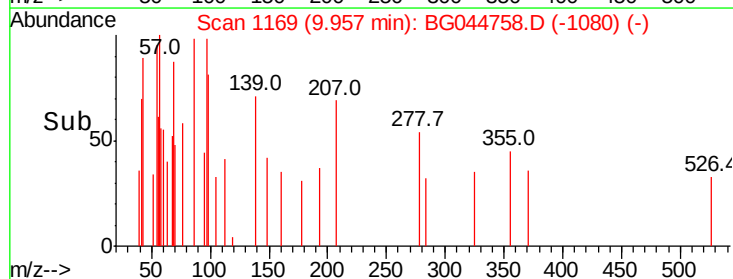
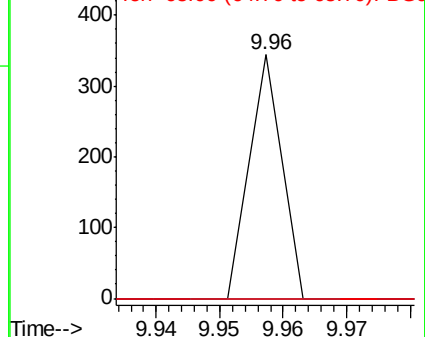
139 100

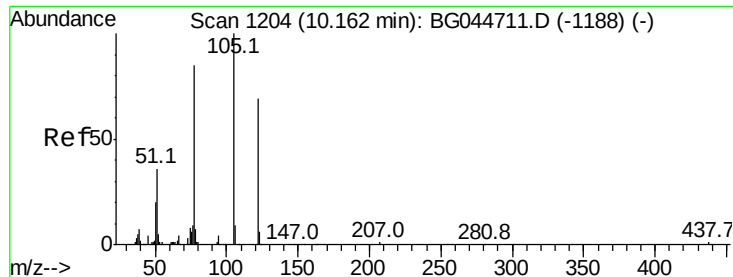
109 0.0 27.0 40.4#

65 0.0 48.6 73.0#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#32

Benzoic acid

Concen: 9.684 ng

RT: 10.06 min Scan# 1187

Delta R.T. -0.10 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

Instrument :

BNA_G

ClientSampled :

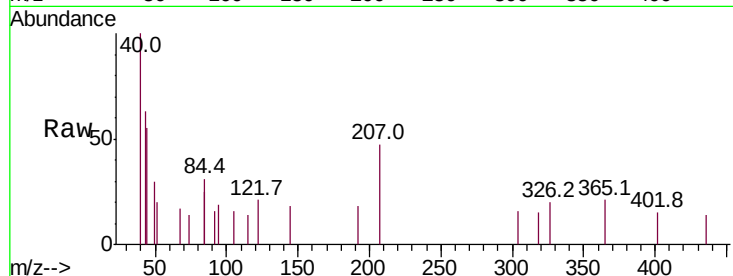
Tot Ion:122 Resp: 77

Ion Ratio Lower Upper

122 100

105 76.7 119.0 159.0#

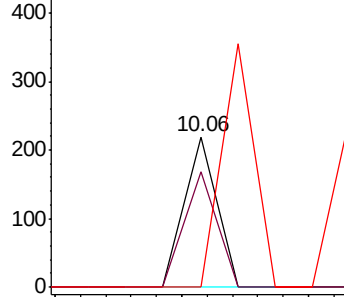
77 0.0 96.4 136.4#



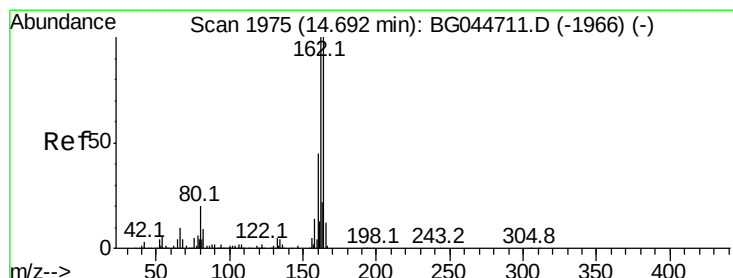
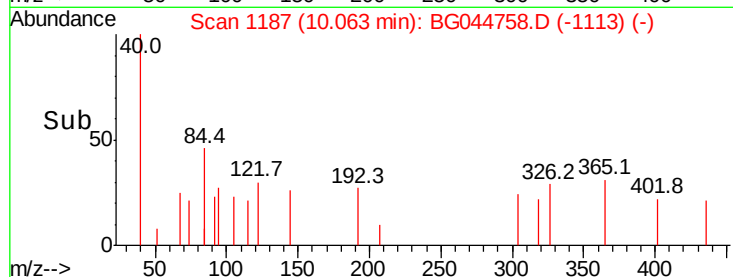
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time--> 10.04 10.06 10.08



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

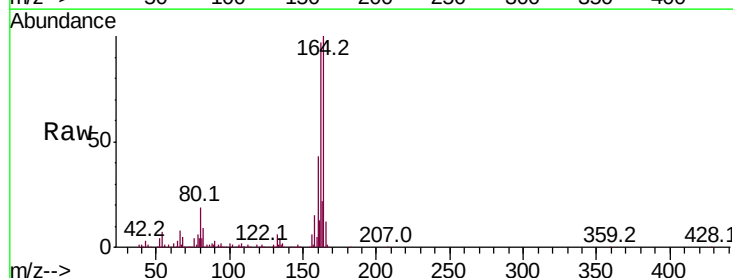
Tgt Ion:164 Resp: 273856

Ion Ratio Lower Upper

164 100

162 96.5 80.2 120.4

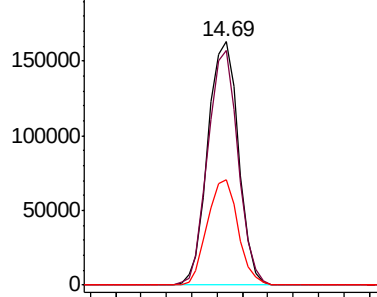
160 43.0 36.2 54.2



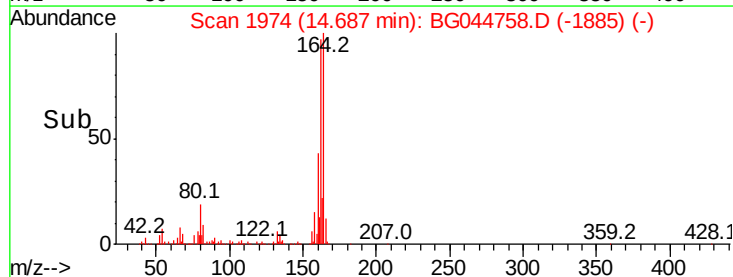
Abundance Ion 164.00 (163.70 to 164.70): E

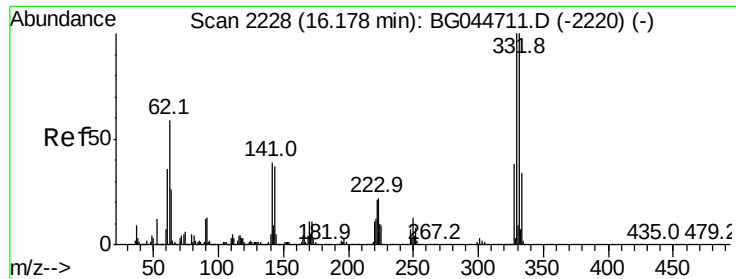
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 14.60 14.70

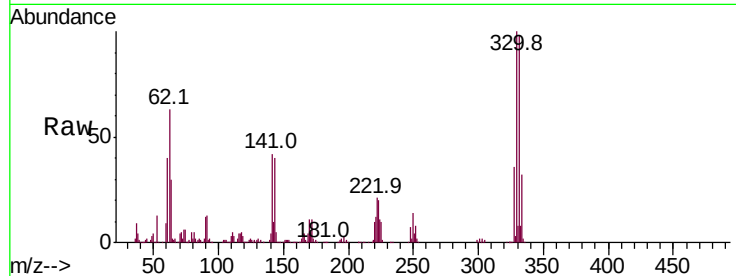




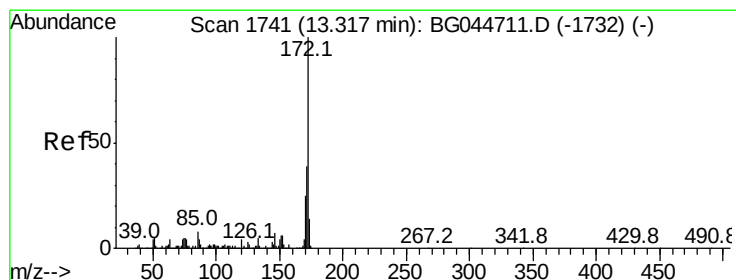
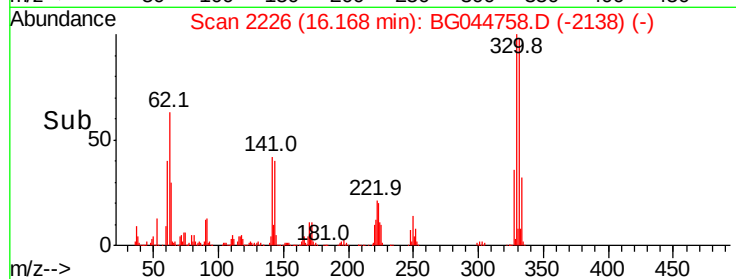
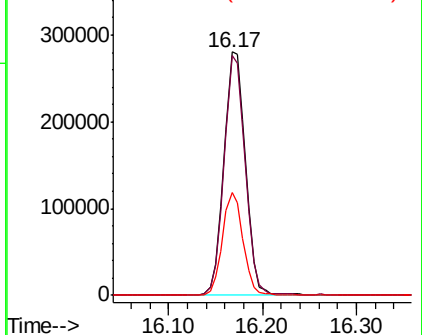
#42
2,4,6-Tribromophenol
Concen: 125.292 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BG044758.D
Acq: 13 Mar 2020 6:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:330 Resp: 449263
Ion Ratio Lower Upper
330 100
332 96.3 77.5 116.3
141 40.7 31.7 47.5

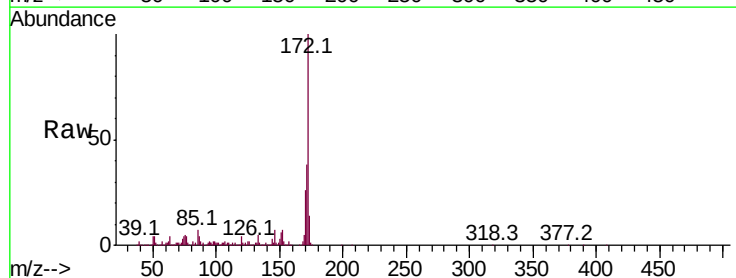


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

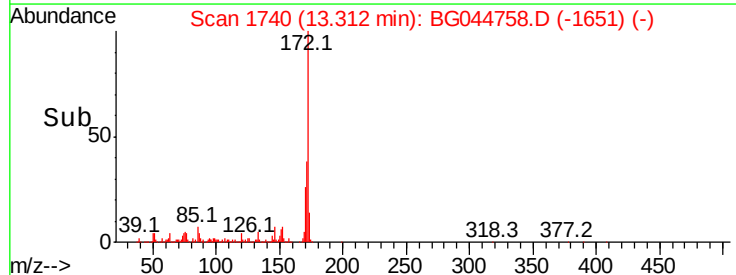
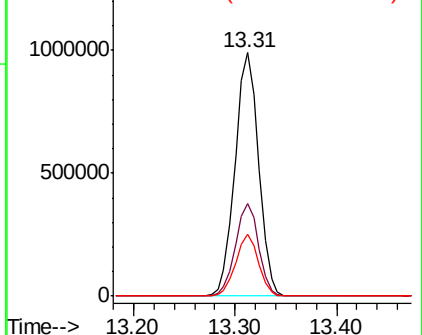


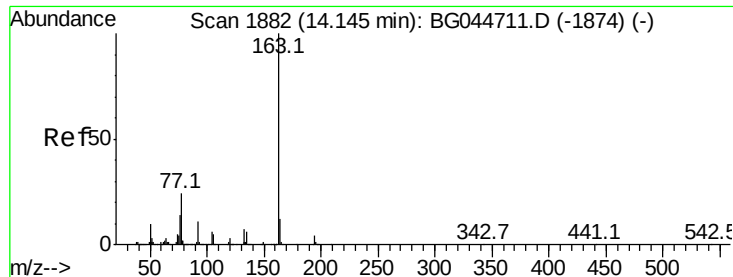
#45
2-Fluorobiphenyl
Concen: 83.547 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.00 min
Lab File: BG044758.D
Acq: 13 Mar 2020 6:44

Tgt Ion:172 Resp: 1597724
Ion Ratio Lower Upper
172 100
171 38.0 30.8 46.2
170 25.6 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: 4.431 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

Instrument :

BNA_G

ClientSampleId :

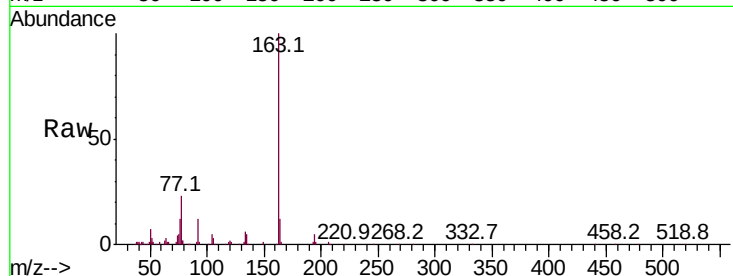
Tot Ion:163 Resp: 96649

Ion Ratio Lower Upper

163 100

194 5.1 3.5 5.3

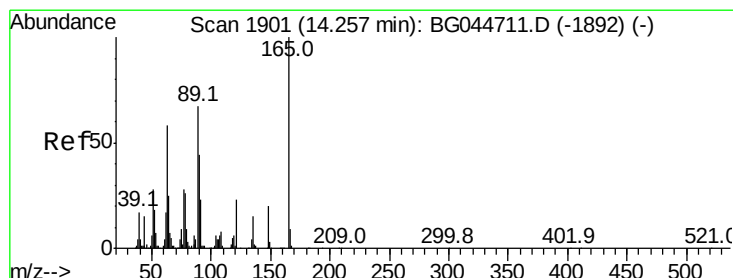
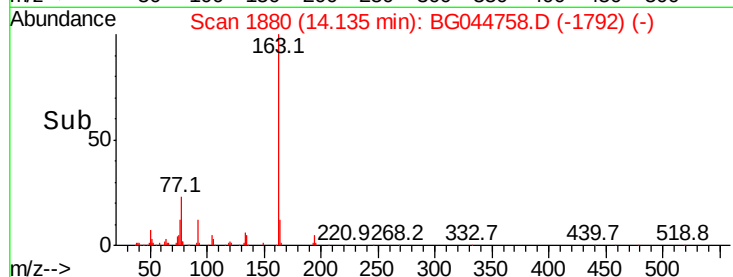
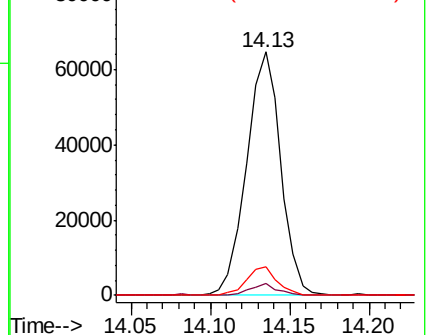
164 11.5 9.2 13.8



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



#51

2,6-Dinitrotoluene

Concen: 7.895 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.42 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

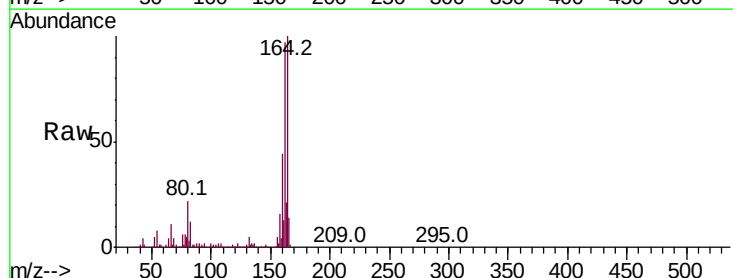
Tgt Ion:165 Resp: 34711

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

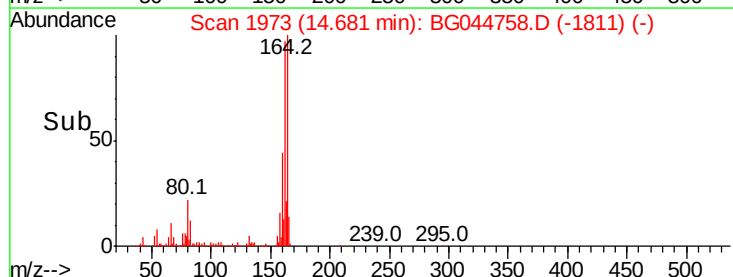
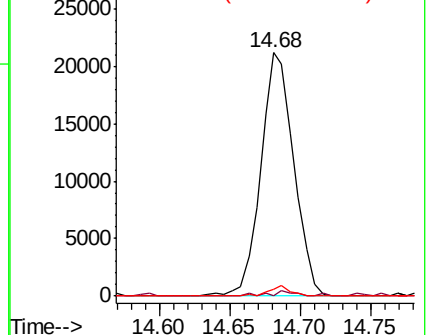
89 2.6 53.8 80.8#

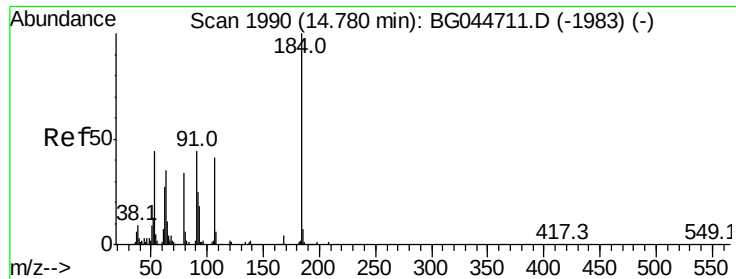


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

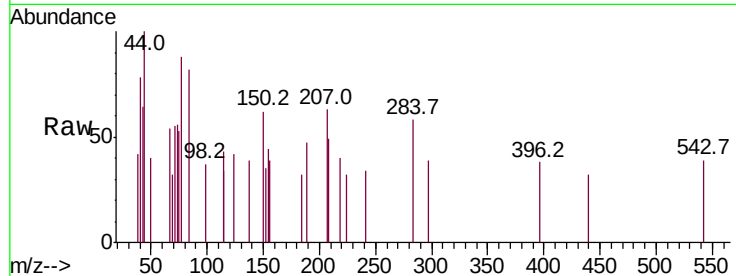




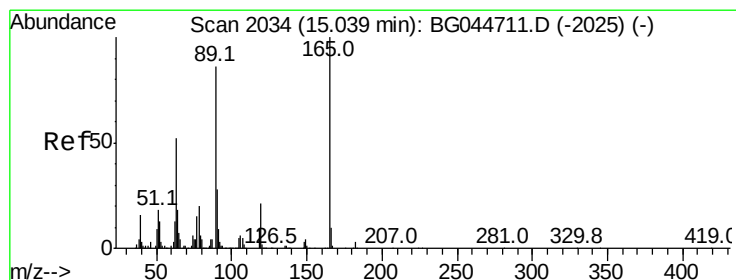
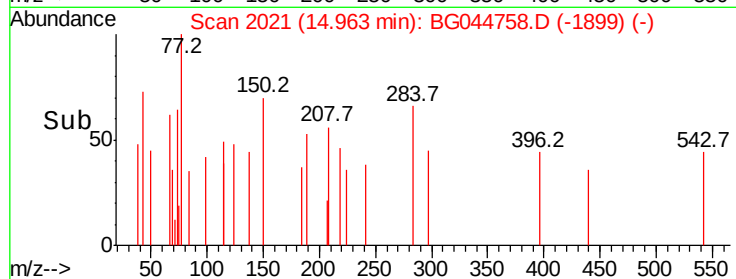
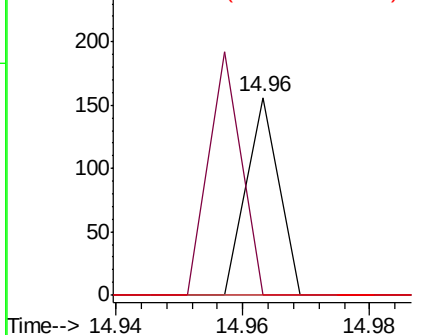
#54
 2,4-Dinitrophenol
 Concen: 8.344 ng
 RT: 14.96 min Scan# 2021
 Delta R.T. 0.18 min
 Lab File: BG044758.D
 Acq: 13 Mar 2020 6:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.0 73.6#
 154 0.0 94.5 141.7#

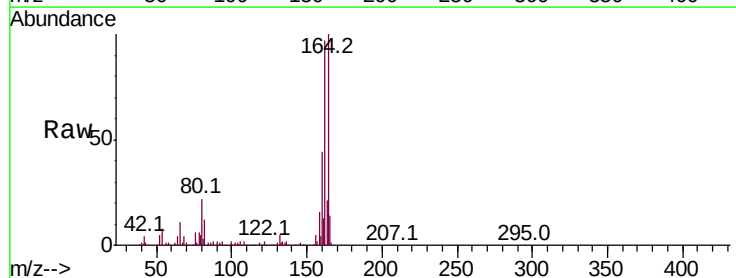


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

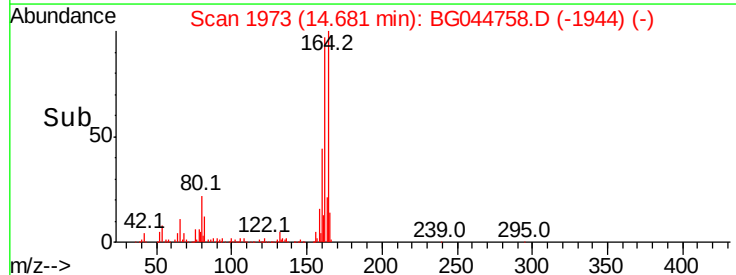
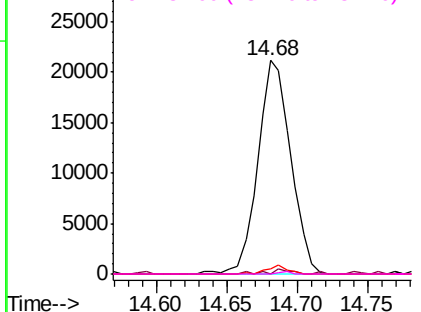


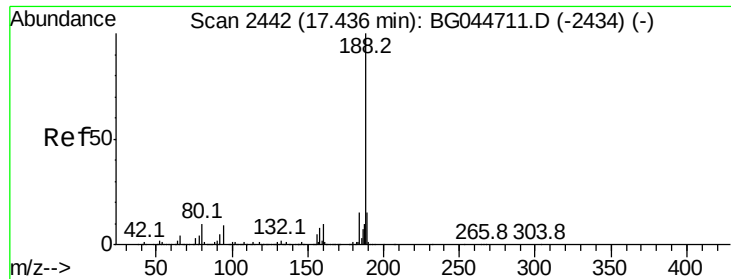
#57
 2,4-Dinitrotoluene
 Concen: 5.757 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.36 min
 Lab File: BG044758.D
 Acq: 13 Mar 2020 6:44

Tgt Ion:165 Resp: 34711
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.5 62.3#
 89 2.6 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: BG044758.D

Acq: 13 Mar 2020 6:44

Instrument :

BNA_G

ClientSampleId :

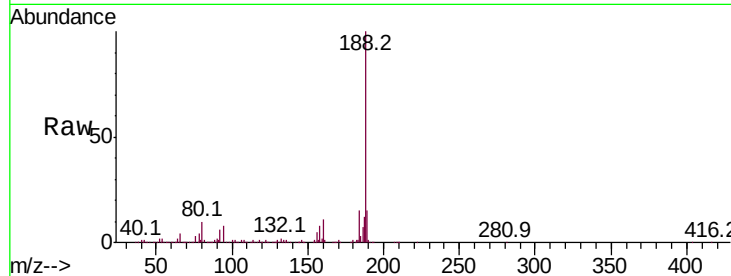
Tot Ion:188 Resp: 593342

Ion Ratio Lower Upper

188 100

94 7.6 7.0 10.6

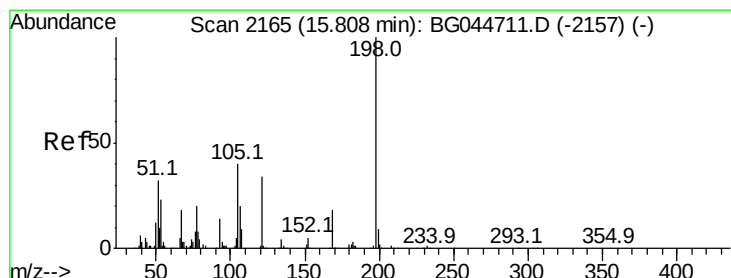
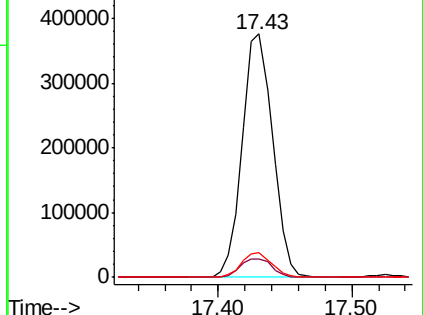
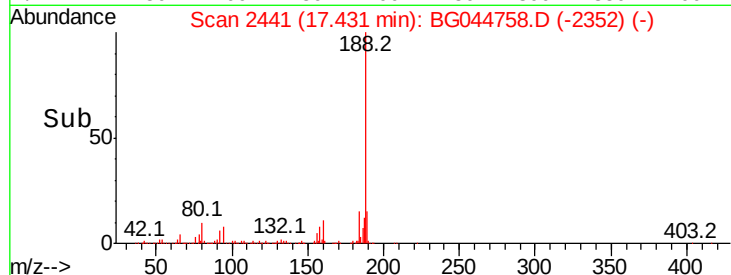
80 10.2 8.4 12.6



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: 7.761 ng

RT: 15.61 min Scan# 2131

Delta R.T. -0.20 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

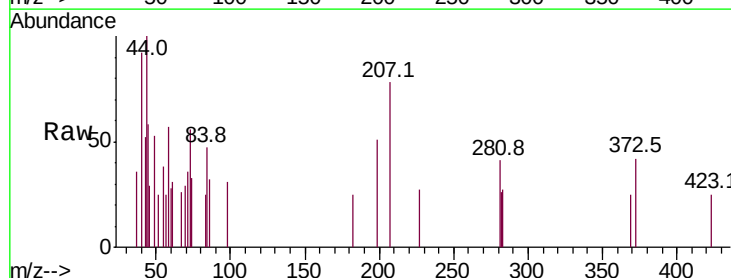
Tgt Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 50.0 20.1 60.1

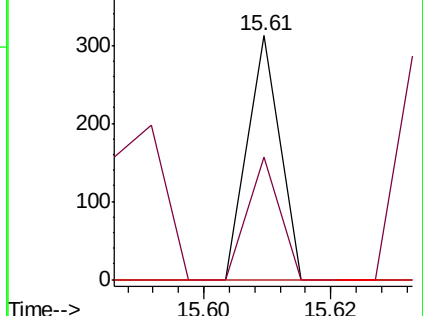
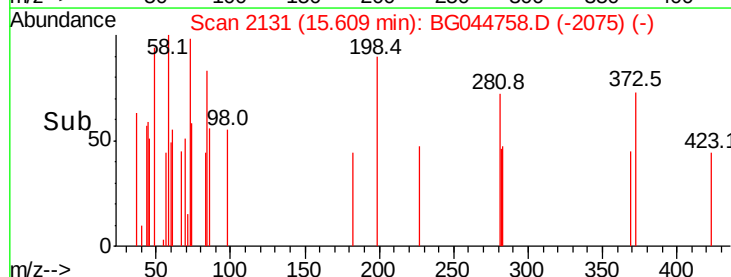
105 0.0 21.3 61.3#

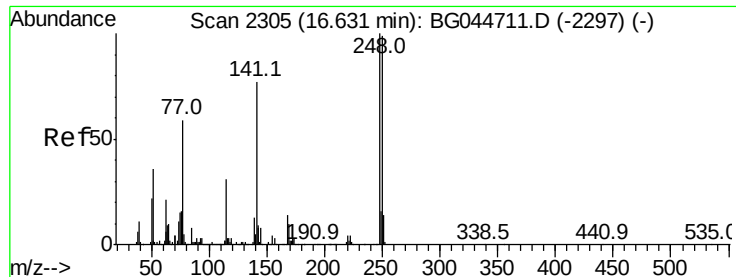


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

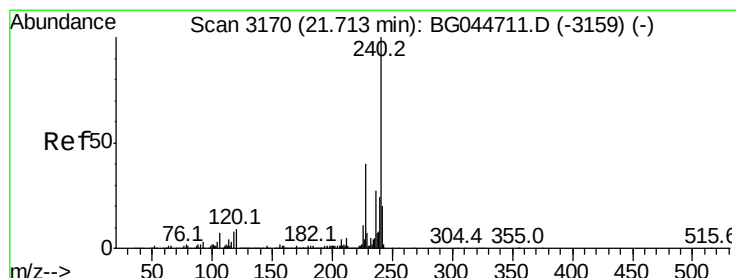
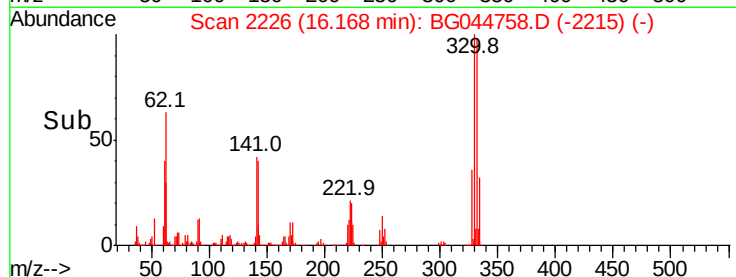
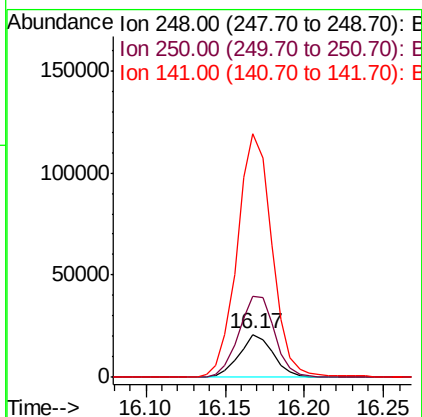
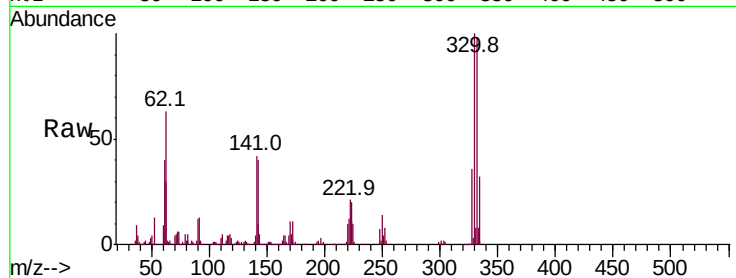




#67
 4-Bromophenyl-phenylether
 Concen: 4.164 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044758.D
 Acq: 13 Mar 2020 6:44

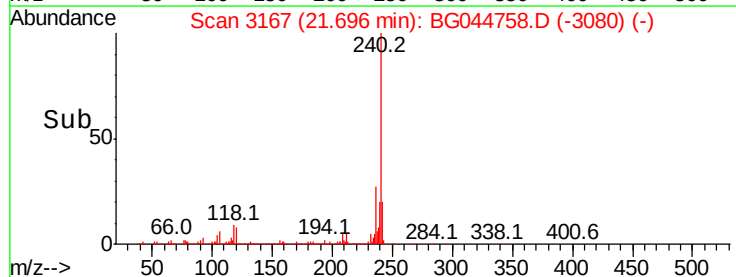
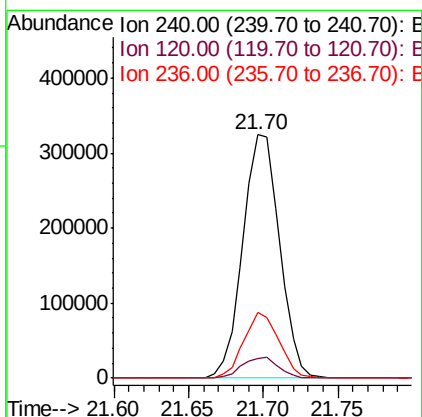
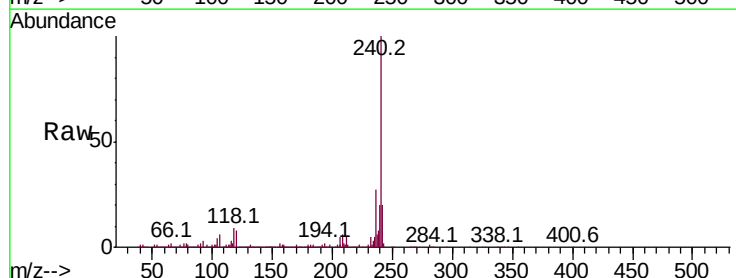
Instrument :
 BNA_G
 ClientSampleId :

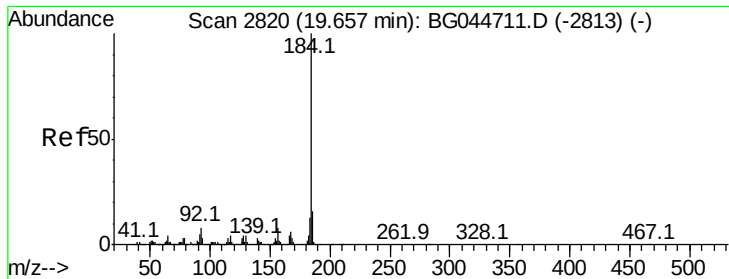
Tot Ion:248 Resp: 30888
 Ion Ratio Lower Upper
 248 100
 250 189.3 79.4 119.0#
 141 569.1 61.7 92.5#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG044758.D
 Acq: 13 Mar 2020 6:44

Tgt Ion:240 Resp: 550626
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.9 10.3
 236 27.2 21.9 32.9





#77

Benzidine

Concen: 2.618 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

Instrument :

BNA_G

ClientSampleId :

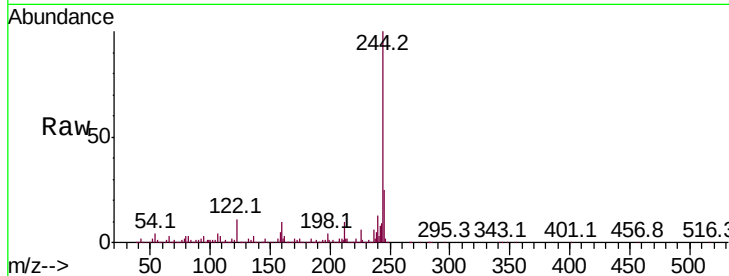
Tot Ion:184 Resp: 46790

Ion Ratio Lower Upper

184 100

185 15.9 12.9 19.3

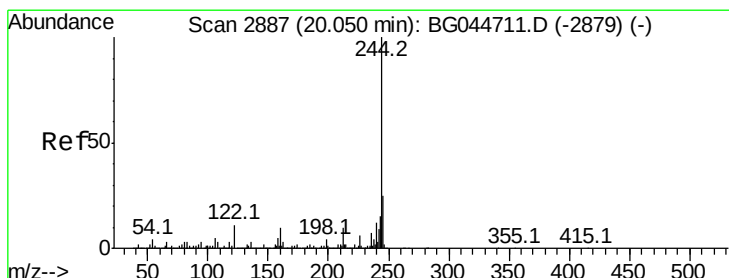
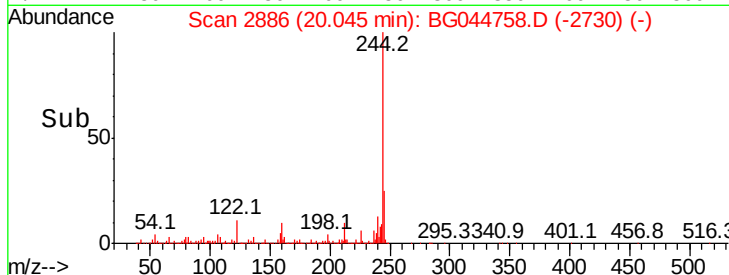
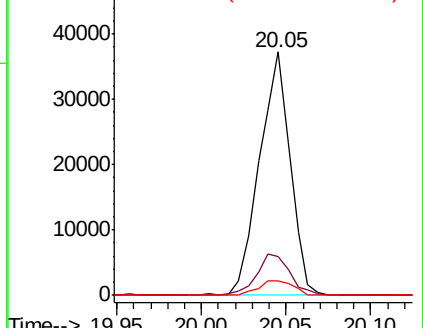
183 5.7 10.6 15.8#



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: 79.050 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG044758.D

Acq: 13 Mar 2020 6:44

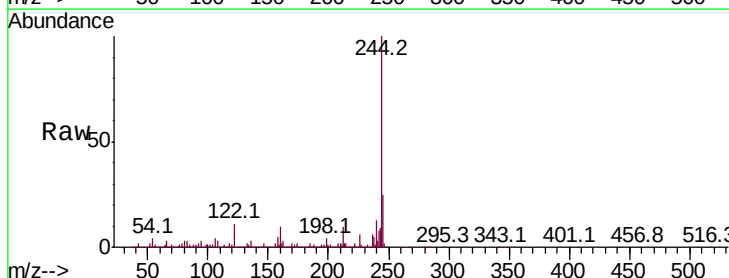
Tgt Ion:244 Resp: 2326949

Ion Ratio Lower Upper

244 100

212 10.3 8.4 12.6

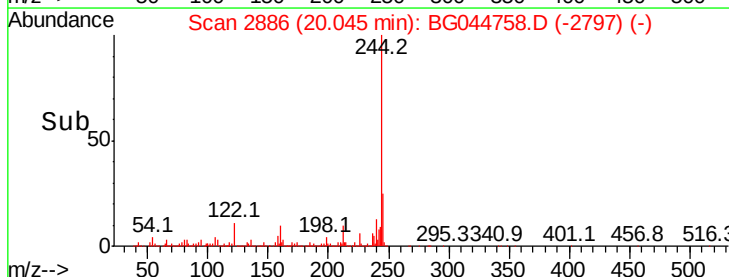
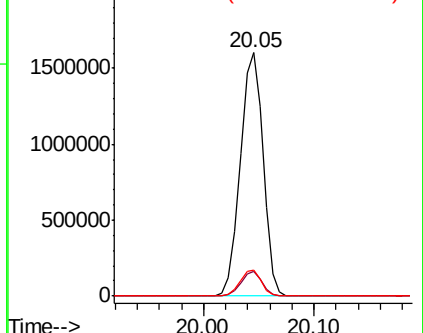
122 10.7 8.7 13.1

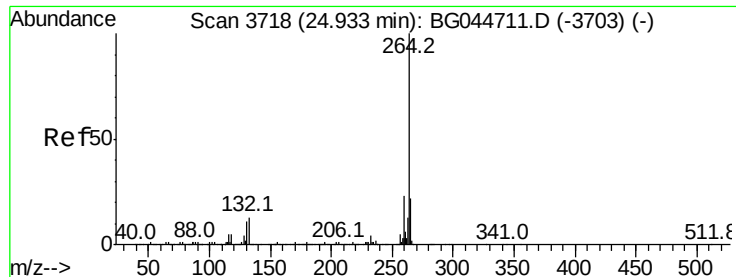


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

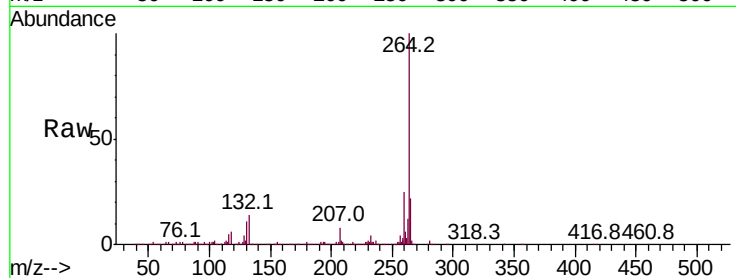




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044758.D
Acq: 13 Mar 2020 6:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.4	27.6
265	21.8	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

