

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044753.D
 Acq On : 13 Mar 2020 3:26
 Operator : CG/JU
 Sample : L1853-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:11:01 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	99841	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	398249	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	272554	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	607493	20.00	ng	0.00
76) Chrysene-d12	21.70	240	552245	20.00	ng	-0.01
87) Perylene-d12	24.92	264	633700	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	752141	117.27	ng	0.00
7) Phenol-d6	7.21	99	993245	106.59	ng	0.00
23) Nitrobenzene-d5	9.21	82	810239	89.28	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	474819	133.05	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1653690	86.89	ng	0.00
79) Terphenyl-d14	20.04	244	2547907	86.30	ng	0.00

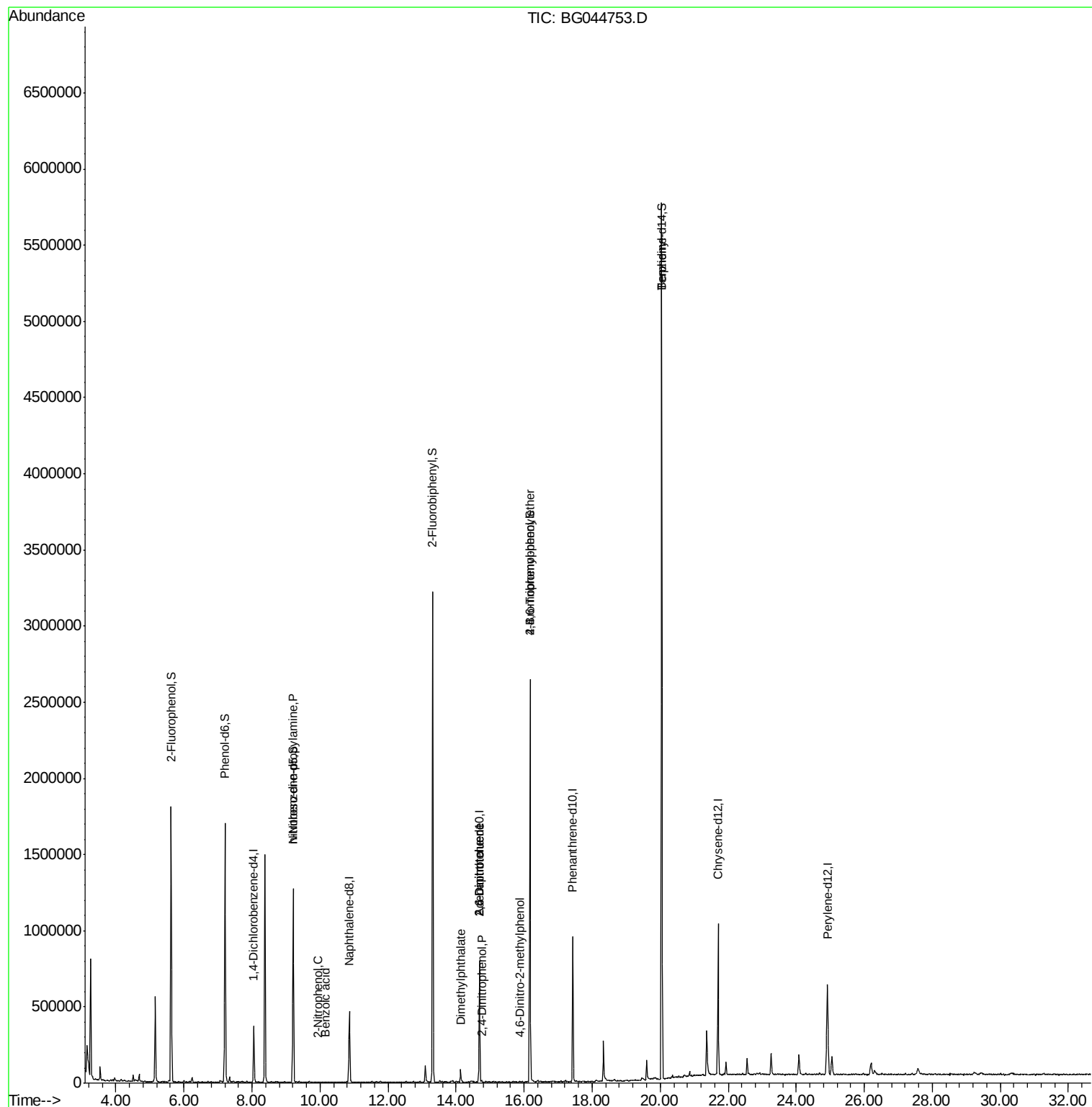
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	2557	Below Cal		# 25
19) n-Nitroso-di-n-propylamine	9.21	70	112320	17.070	ng	# 76
26) 2-Nitrophenol	9.93	139	96	5.541	ng	# 28
32) Benzoic acid	10.17	122	336	9.730	ng	# 23
50) Dimethylphthalate	14.13	163	53569	2.468	ng	# 98
51) 2,6-Dinitrotoluene	14.69	165	36440	8.328	ng	# 20
54) 2,4-Dinitrophenol	14.75	184	82	8.355	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	36440	6.072	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.87	198	110	7.760	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	34577	4.553	ng	# 1
77) Benzidine	20.04	184	57323	3.197	ng	# 91

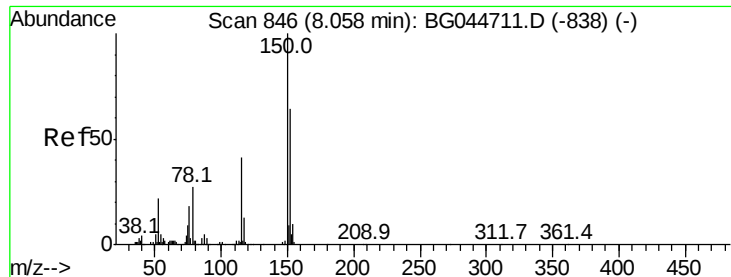
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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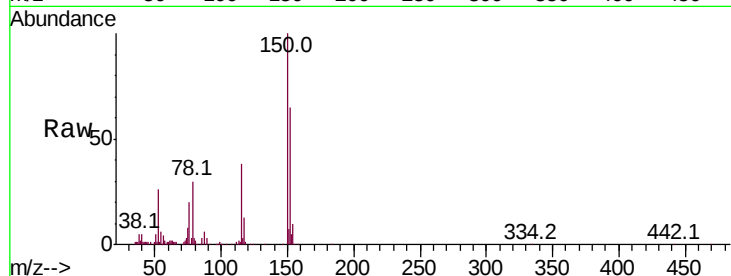


#1

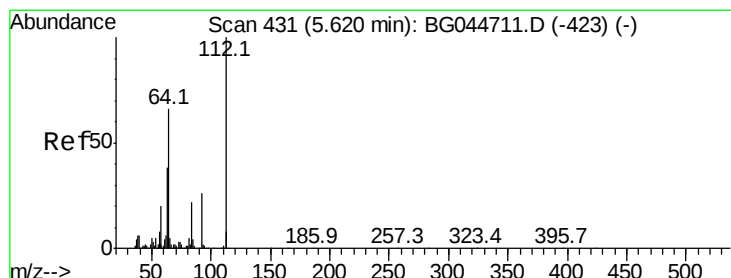
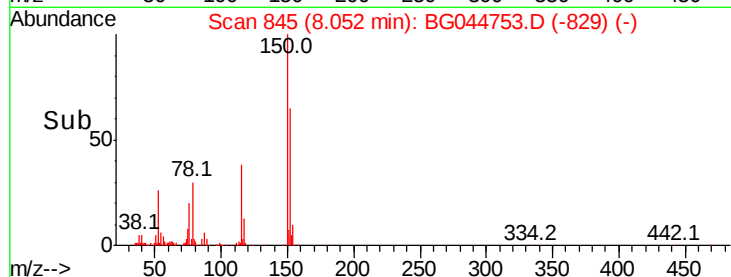
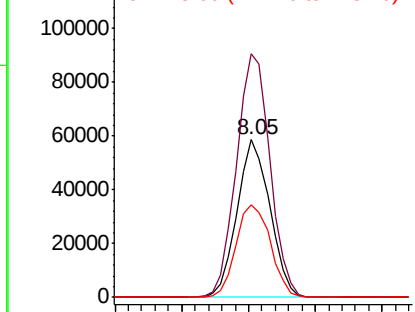
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044753.D
Acq: 13 Mar 2020 3:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 99841
Ion Ratio Lower Upper
152 100
150 154.8 125.3 187.9
115 58.8 51.7 77.5



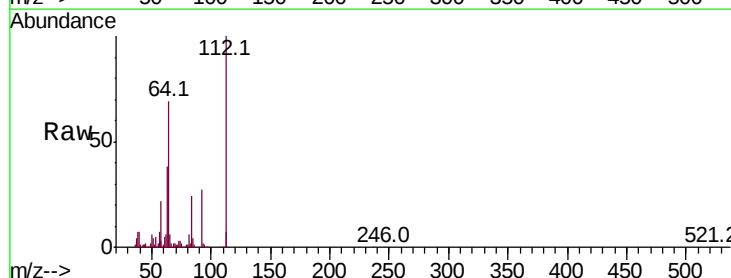
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



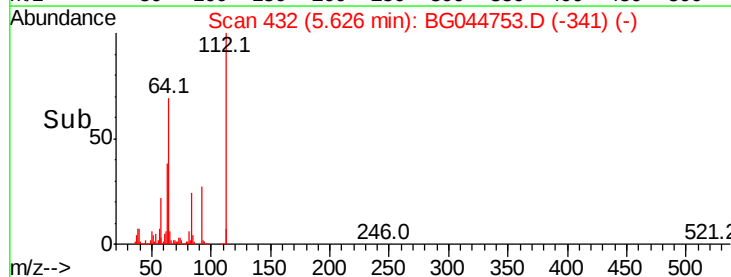
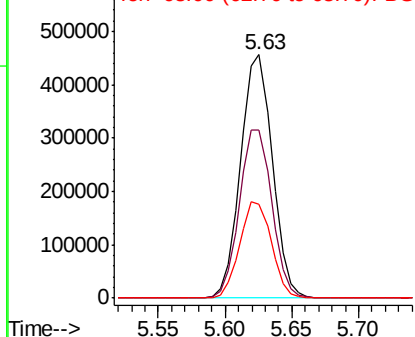
#5

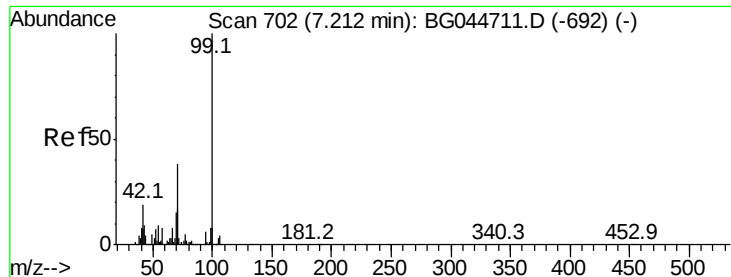
2-Fluorophenol
Concen: 117.272 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.01 min
Lab File: BG044753.D
Acq: 13 Mar 2020 3:26

Tgt Ion:112 Resp: 752141
Ion Ratio Lower Upper
112 100
64 68.8 52.6 78.8
63 38.5 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: 106.587 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

Instrument :

BNA_G

ClientSampleId :

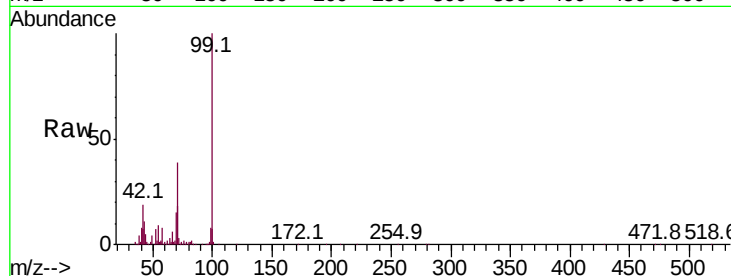
Tot Ion: 99 Resp: 993245

Ion Ratio Lower Upper

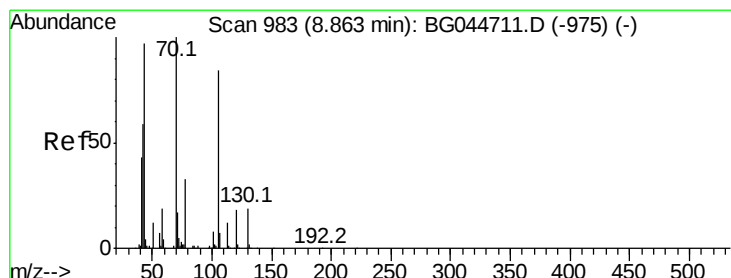
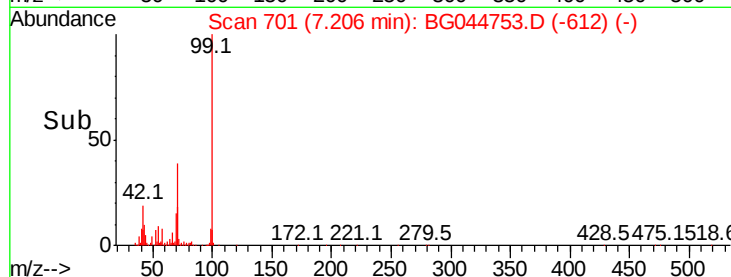
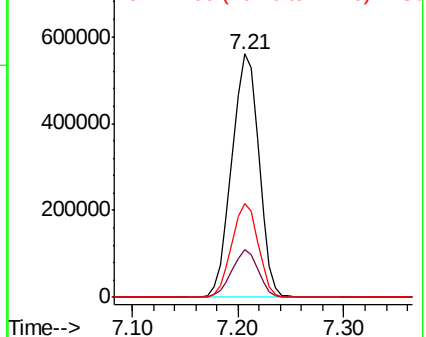
99 100

42 19.5 15.4 23.0

71 38.8 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: 17.070 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

Tgt Ion: 70 Resp: 112320

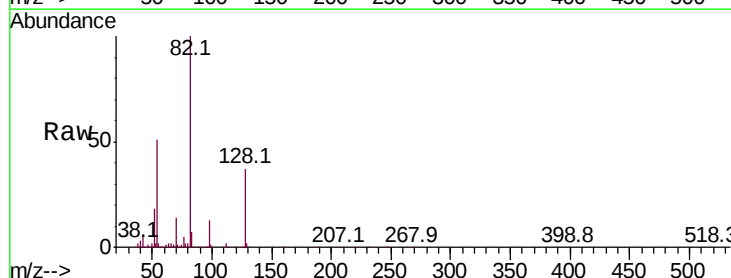
Ion Ratio Lower Upper

70 100

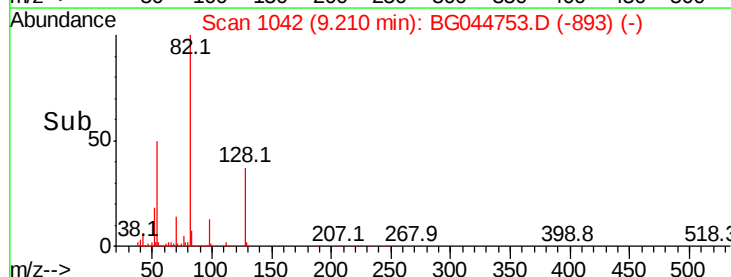
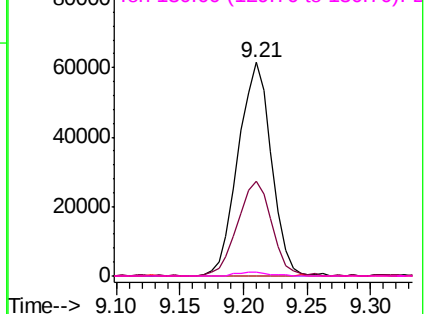
42 44.2 47.6 71.4#

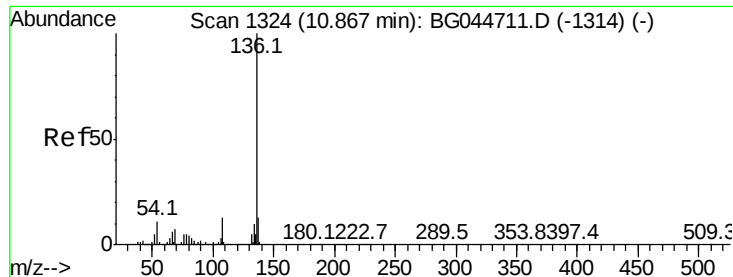
101 0.0 6.5 9.7#

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. -0.01 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 398249

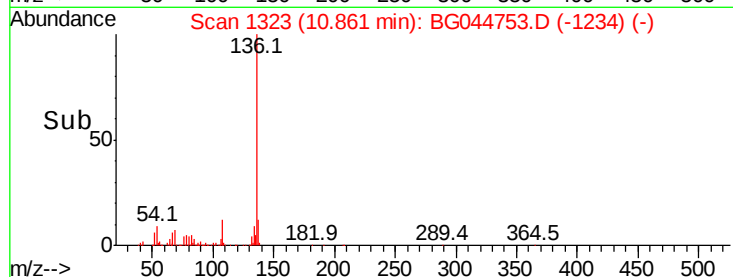
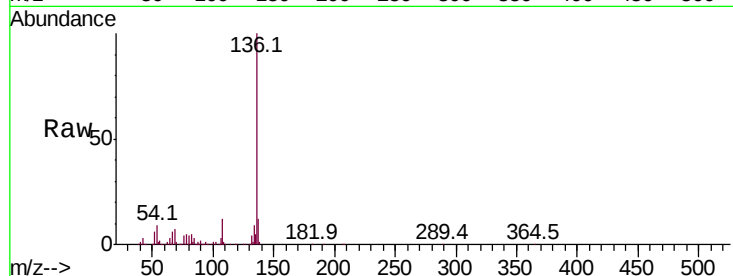
Ion	Ratio	Lower	Upper
136	100		
137	11.5	10.7	16.1
54	9.3	9.0	13.4
68	6.8	5.9	8.9

136 100

137 11.5 10.7 16.1

54 9.3 9.0 13.4

68 6.8 5.9 8.9

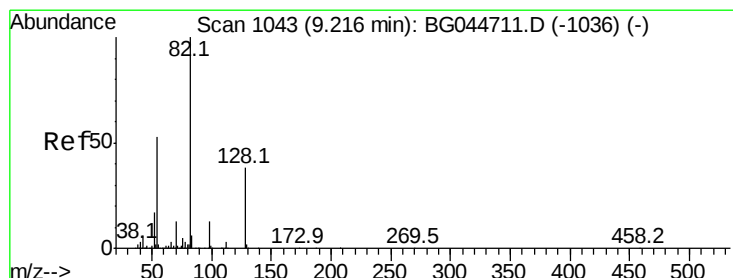
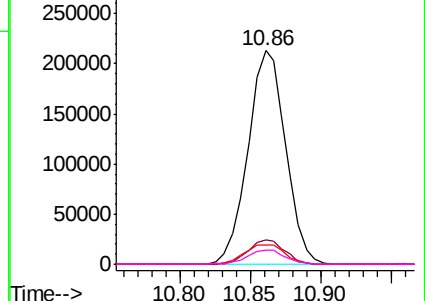


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.277 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

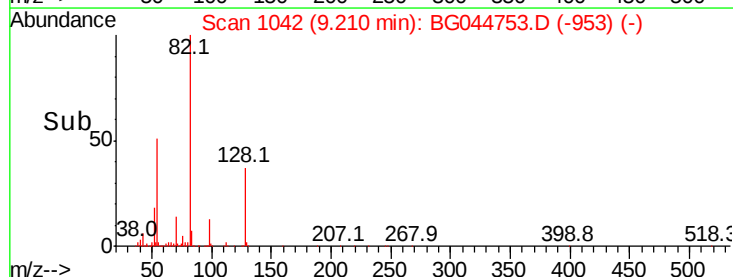
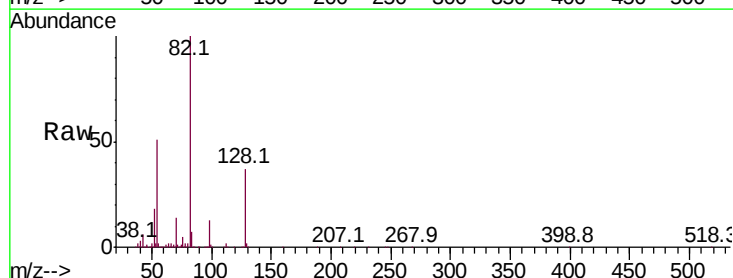
Tgt Ion: 82 Resp: 810239

Ion	Ratio	Lower	Upper
82	100		
128	37.4	30.2	45.2
54	50.5	41.8	62.8

82 100

128 37.4 30.2 45.2

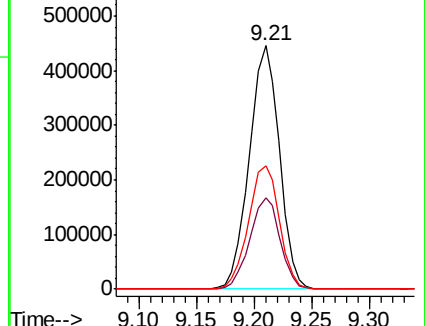
54 50.5 41.8 62.8

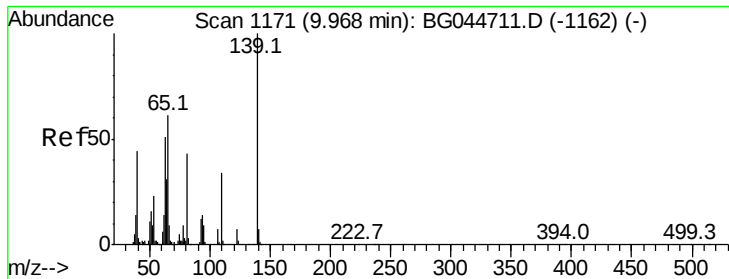


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

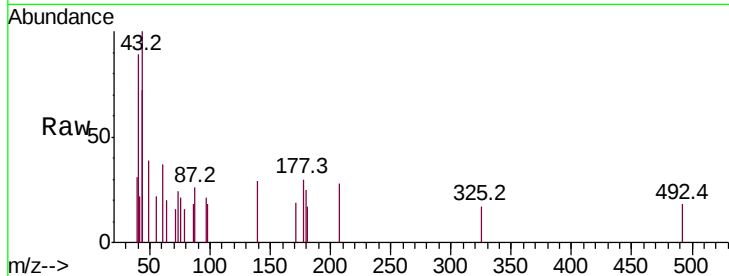




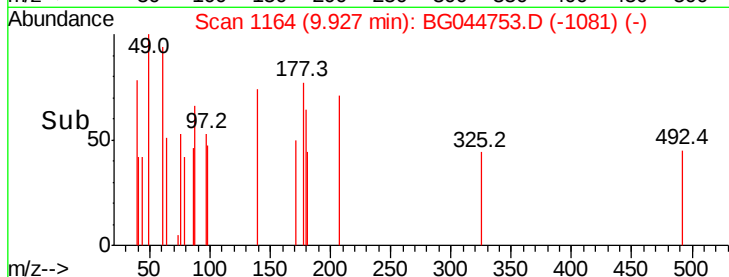
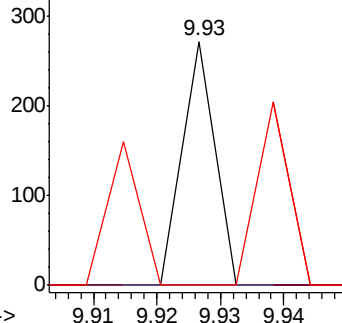
#26
2-Nitrophenol
Concen: 5.541 ng
RT: 9.93 min Scan# 1164
Delta R.T. -0.04 min
Lab File: BG044753.D
Acq: 13 Mar 2020 3:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 96
Ion Ratio Lower Upper
139 100
109 0.0 27.0 40.4#
65 0.0 48.6 73.0#

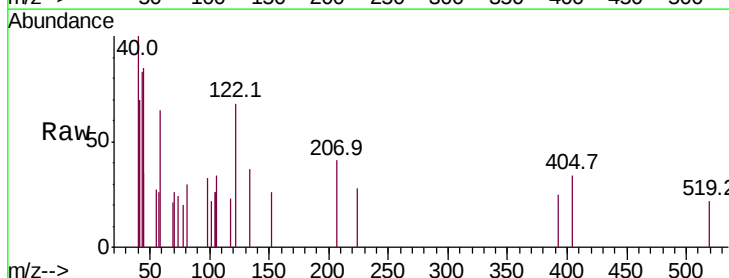
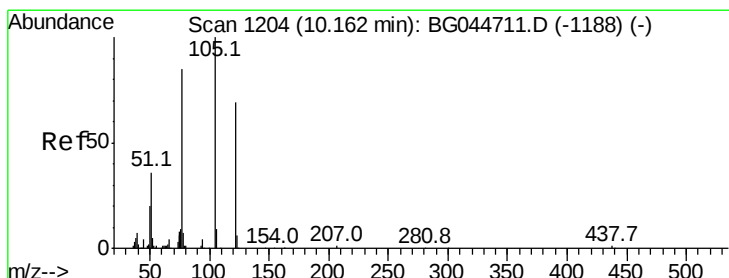


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

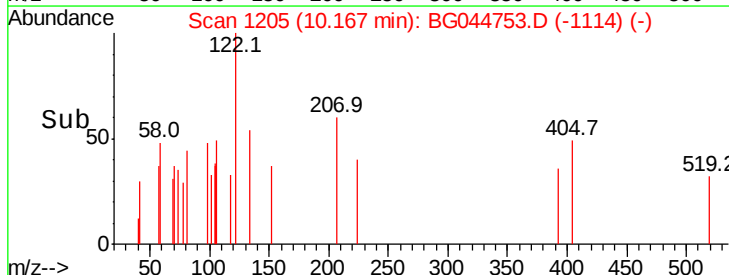
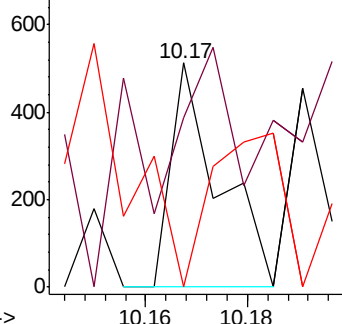


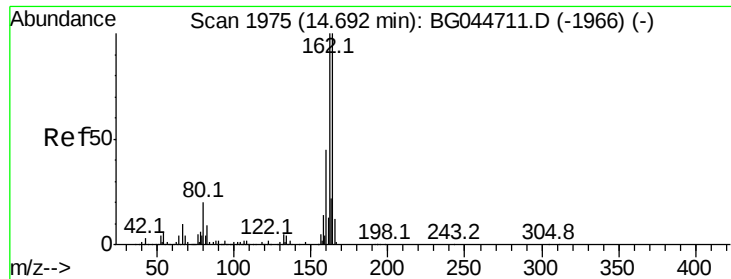
#32
Benzoic acid
Concen: 9.730 ng
RT: 10.17 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BG044753.D
Acq: 13 Mar 2020 3:26

Tgt Ion:122 Resp: 336
Ion Ratio Lower Upper
122 100
105 75.6 119.0 159.0#
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: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

Instrument :

BNA_G

ClientSampleId :

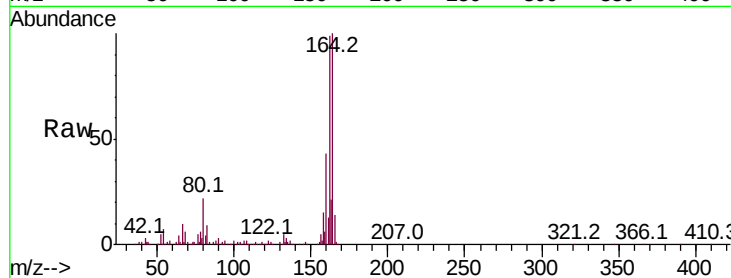
Tot Ion:164 Resp: 272554

Ion Ratio Lower Upper

164 100

162 98.5 80.2 120.4

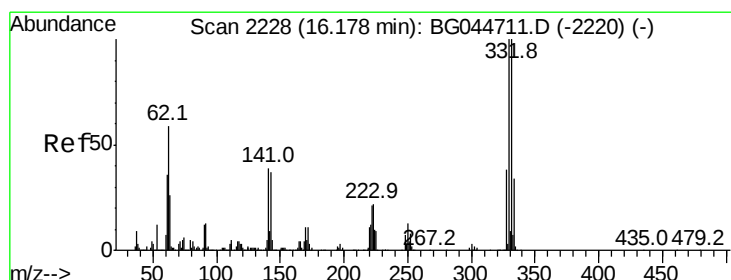
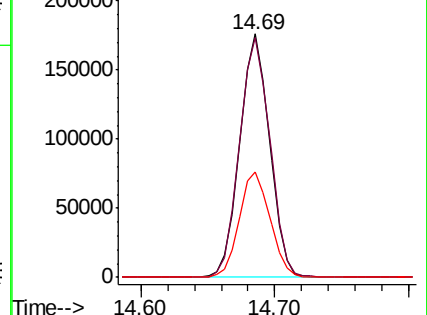
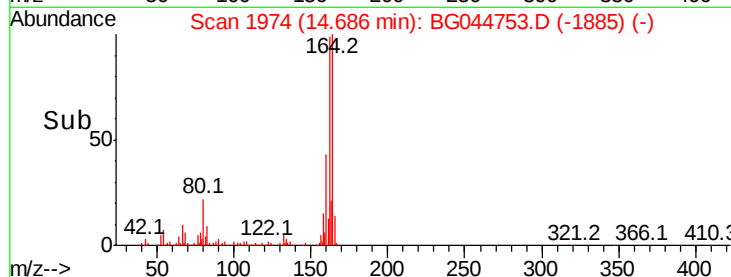
160 43.3 36.2 54.2



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: 133.052 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

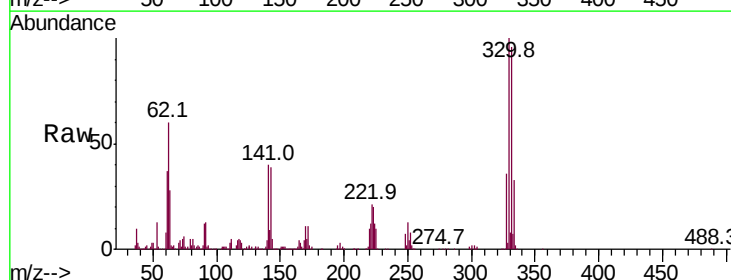
Tgt Ion:330 Resp: 474819

Ion Ratio Lower Upper

330 100

332 97.2 77.5 116.3

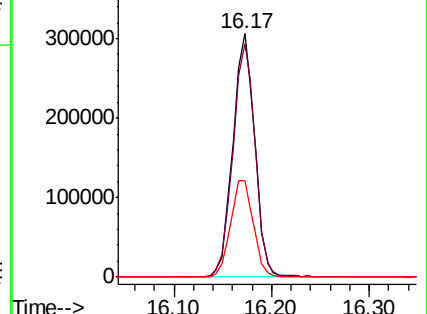
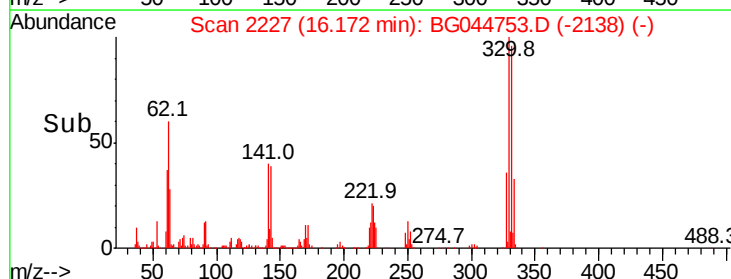
141 41.5 31.7 47.5

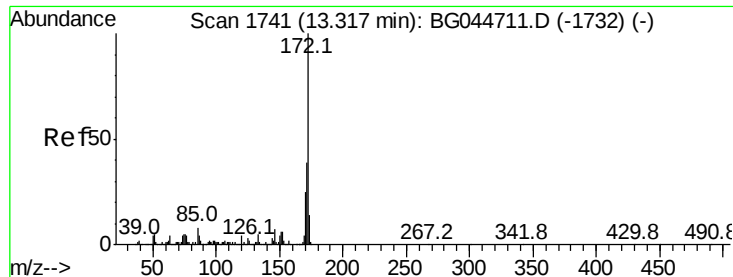


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 86.887 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

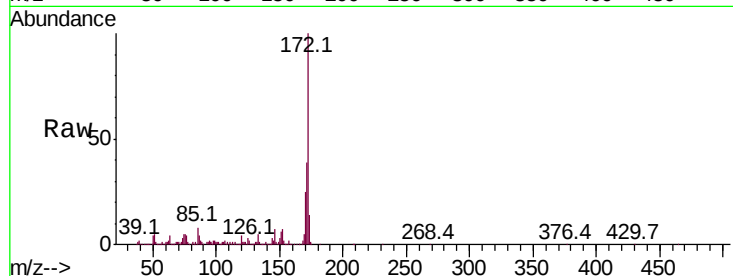
Instrument :

BNA_G

ClientSampled :

Tot Ion:172 Resp: 1653690

Ion	Ratio	Lower	Upper
172	100		
171	39.1	30.8	46.2
170	24.7	20.0	30.0

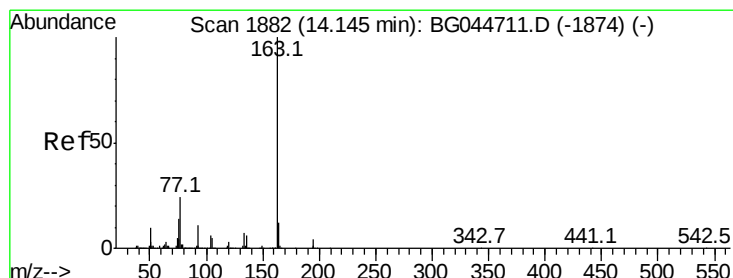
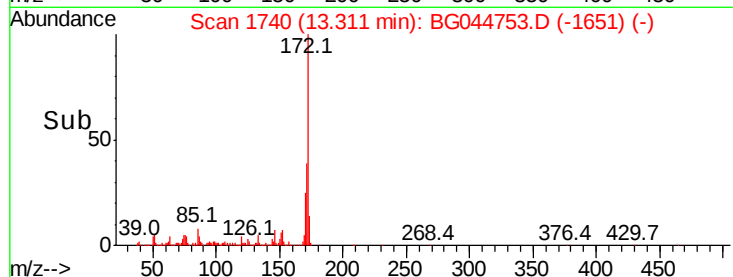
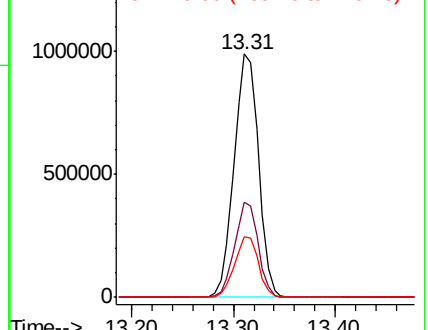


Abundance

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: 2.468 ng

RT: 14.13 min Scan# 1880

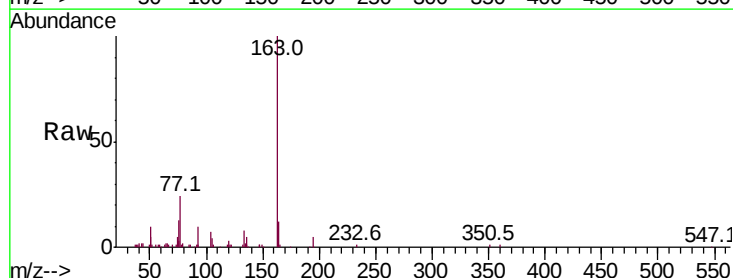
Delta R.T. -0.01 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

Tgt Ion:163 Resp: 53569

Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.5	5.3
164	12.2	9.2	13.8

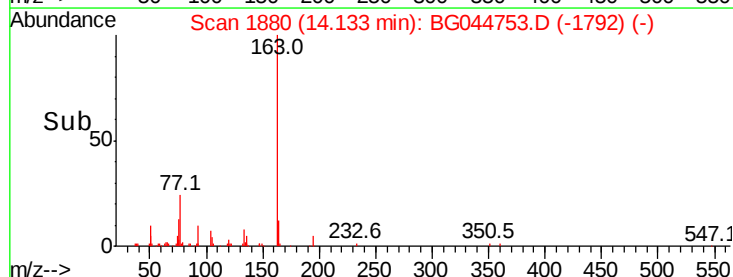
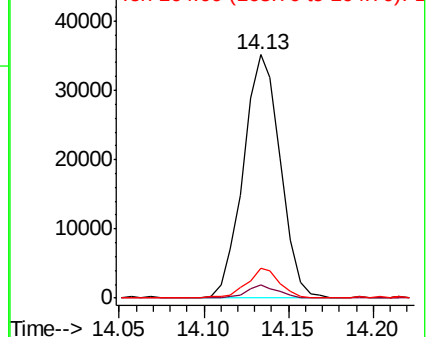


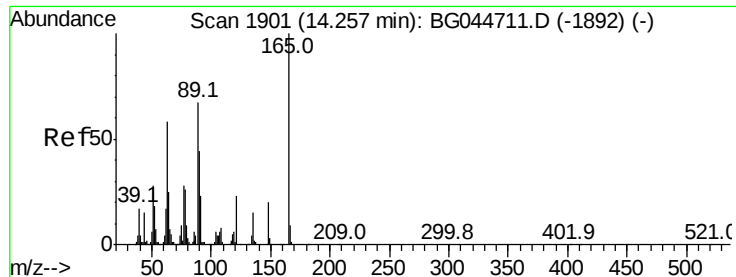
Abundance

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: 8.328 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.43 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

Instrument :

BNA_G

ClientSampleId :

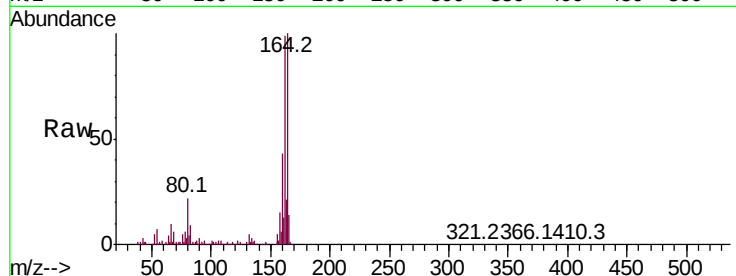
Tot Ion:165 Resp: 36440

Ion Ratio Lower Upper

165 100

63 1.7 48.9 73.3#

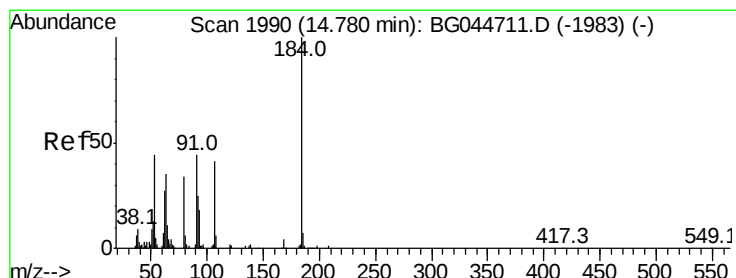
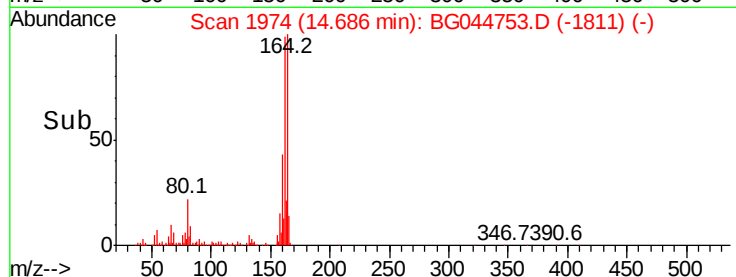
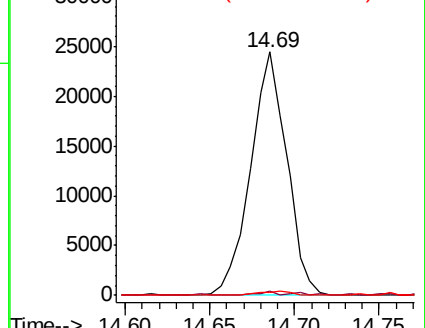
89 1.0 53.8 80.8#



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



#54

2,4-Dinitrophenol

Concen: 8.355 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.03 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

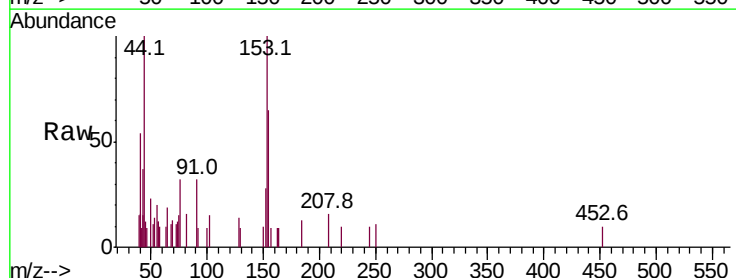
Tgt Ion:184 Resp: 82

Ion Ratio Lower Upper

184 100

63 77.2 49.0 73.6#

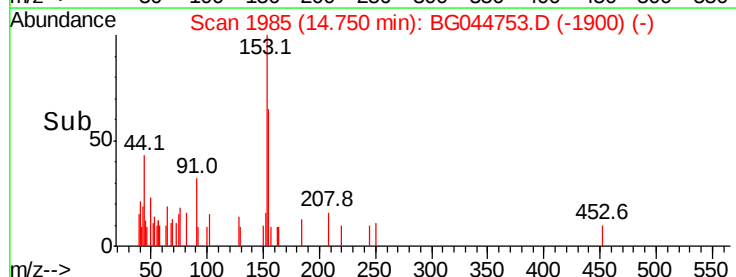
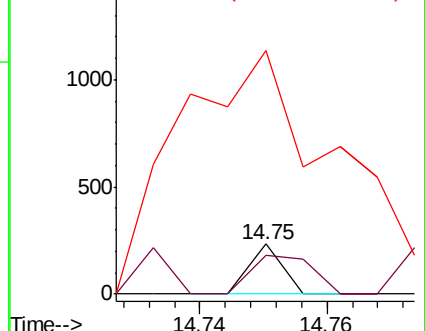
154 489.7 94.5 141.7#

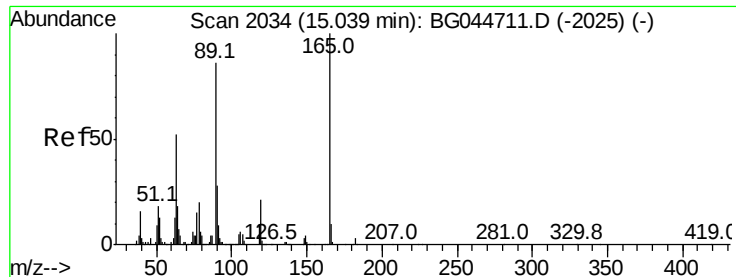


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

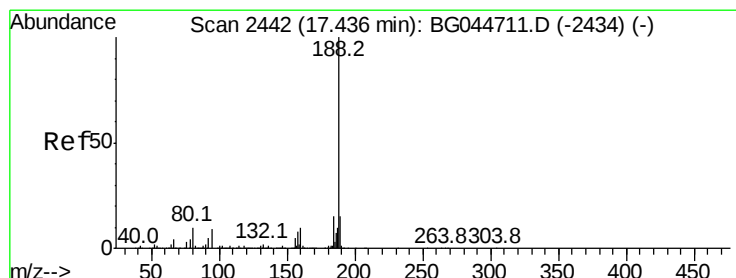
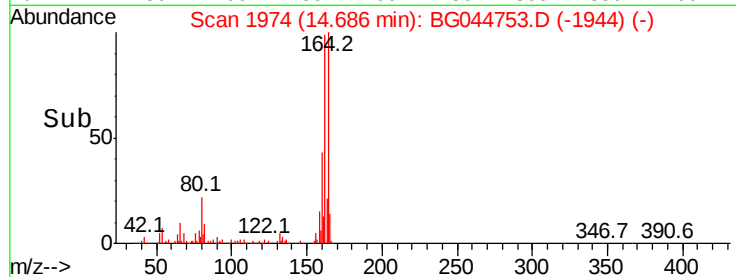
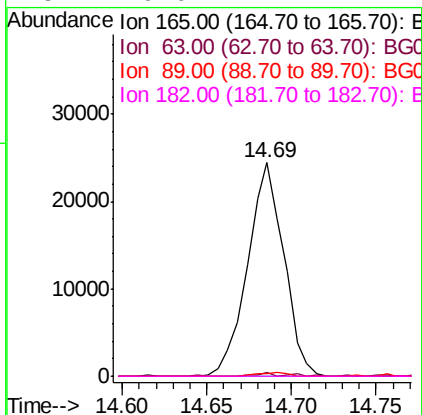
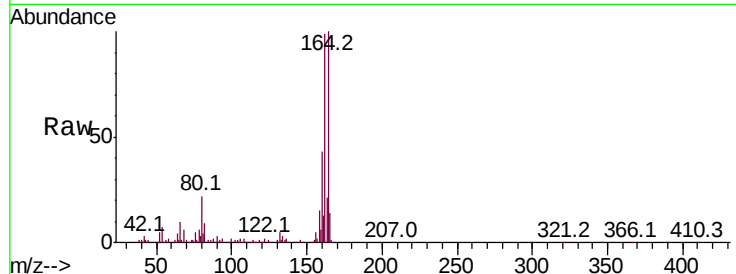




#57
2,4-Dinitrotoluene
Concen: 6.072 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044753.D
Acq: 13 Mar 2020 3:26

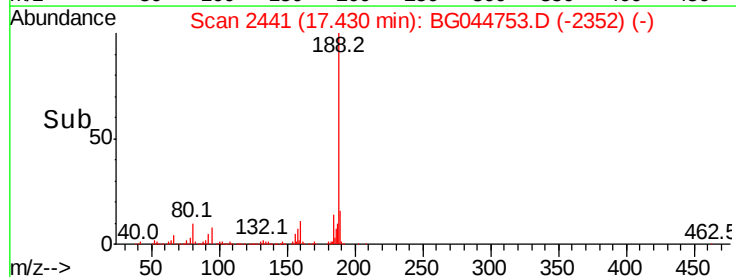
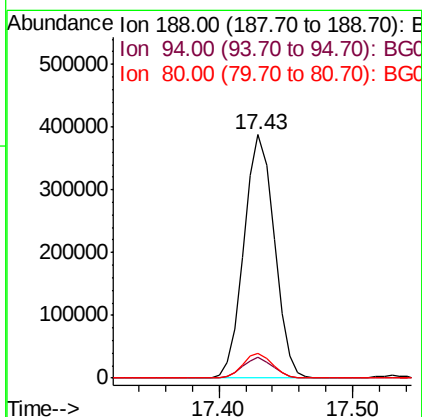
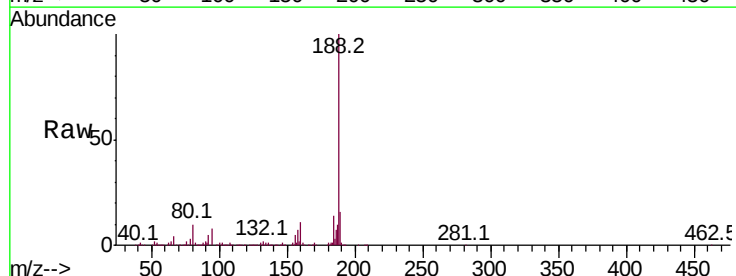
Instrument :
BNA_G
ClientSampleId :

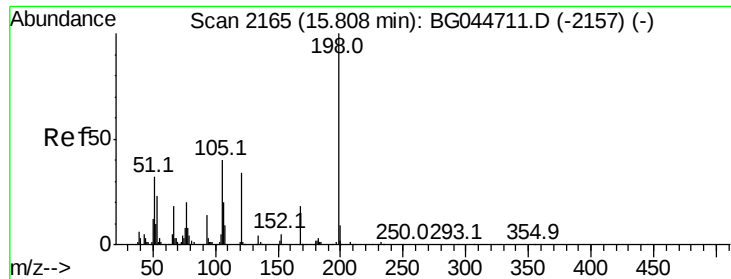
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.5	62.3#
89	1.0	69.0	103.4#
182	0.0	2.7	4.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG044753.D
Acq: 13 Mar 2020 3:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.0	10.6
80	10.1	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.760 ng

RT: 15.87 min Scan# 2175

Delta R.T. 0.06 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

Instrument :

BNA_G

ClientSampleId :

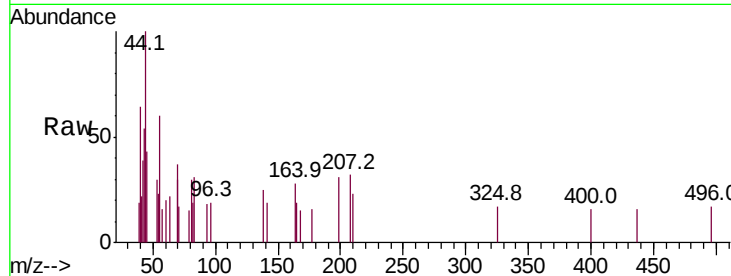
Tot Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

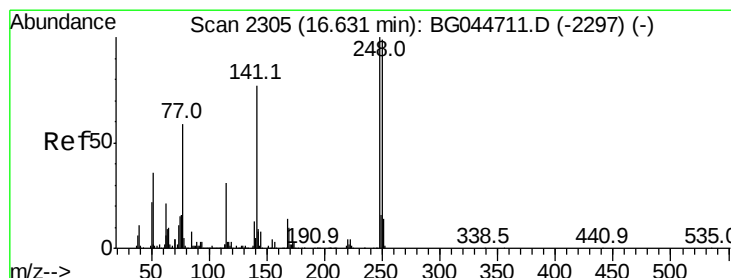
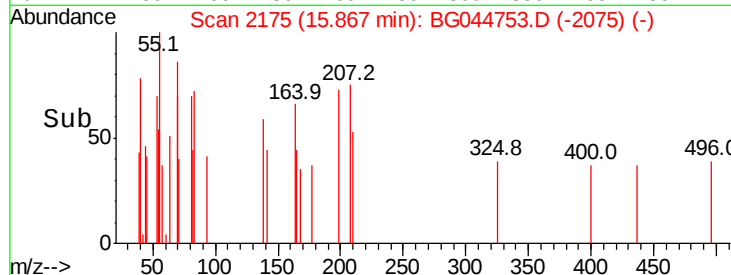
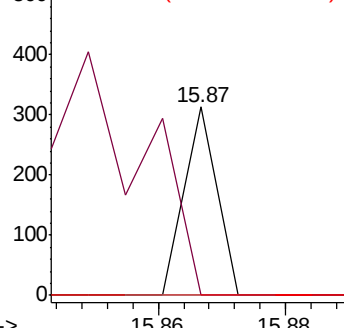
105 0.0 21.3 61.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.553 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.46 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

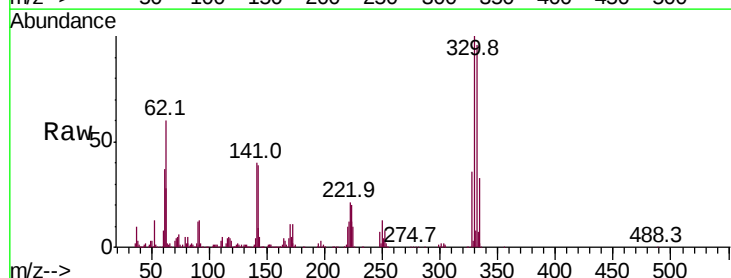
Tgt Ion:248 Resp: 34577

Ion Ratio Lower Upper

248 100

250 187.0 79.4 119.0#

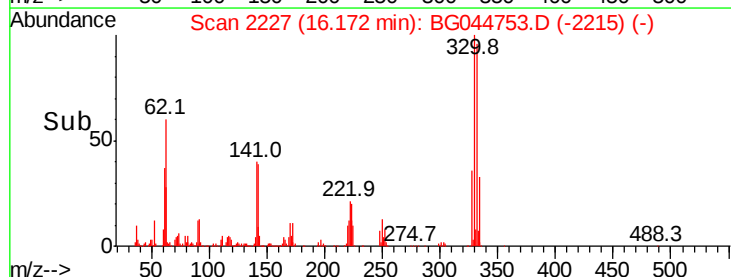
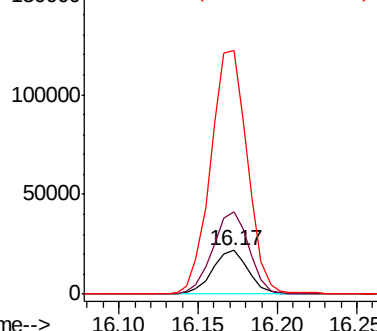
141 554.6 61.7 92.5#

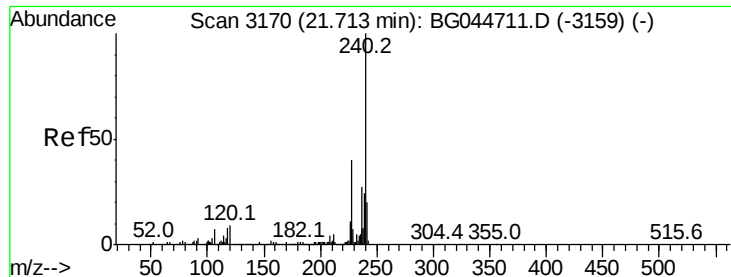


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

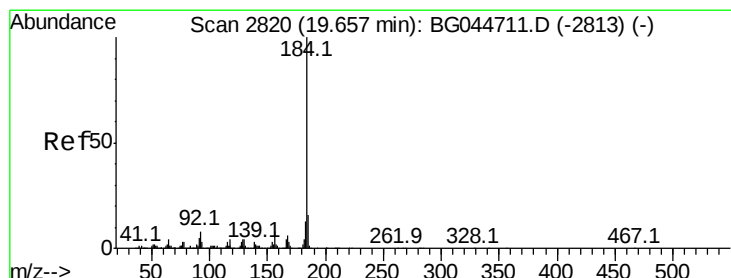
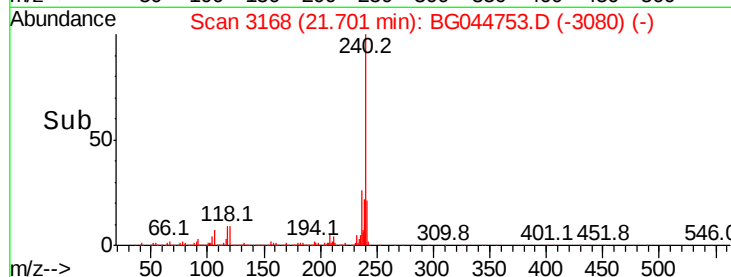
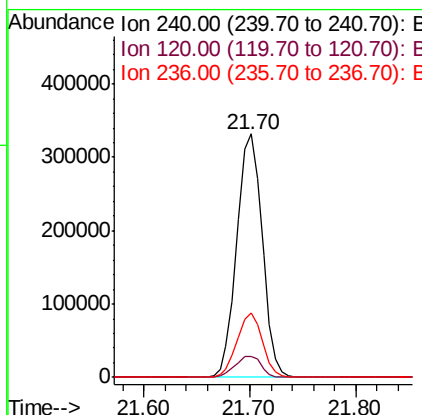
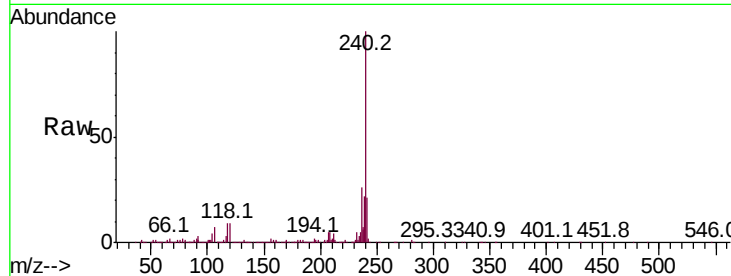




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG044753.D
 Acq: 13 Mar 2020 3:26

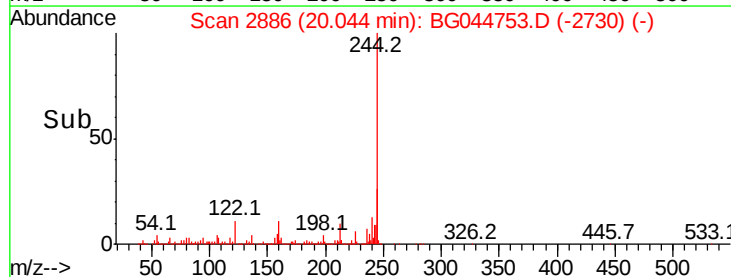
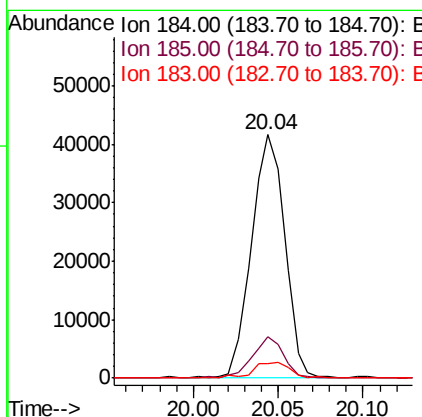
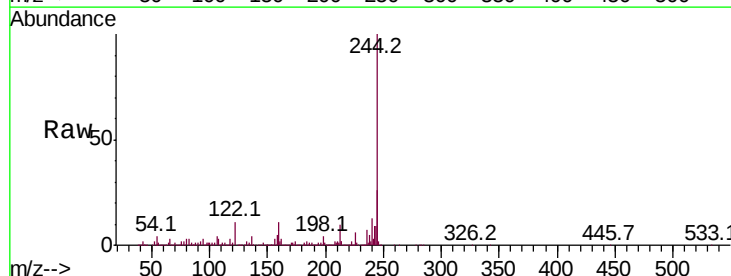
Instrument :
 BNA_G
 ClientSampleId :

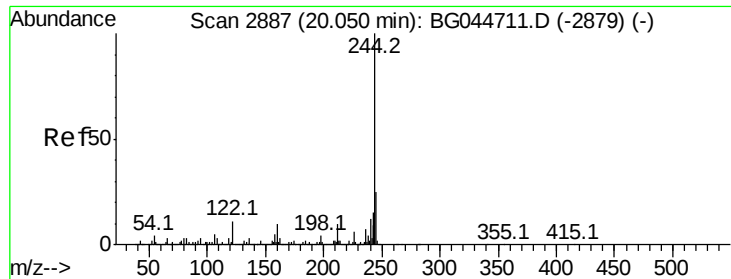
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	26.4	21.9	32.9



#77
 Benzidine
 Concen: 3.197 ng
 RT: 20.04 min Scan# 2886
 Delta R.T. 0.39 min
 Lab File: BG044753.D
 Acq: 13 Mar 2020 3:26

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.8	12.9	19.3
183	5.7	10.6	15.8#





#79

Terphenyl-d14

Concen: 86.302 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

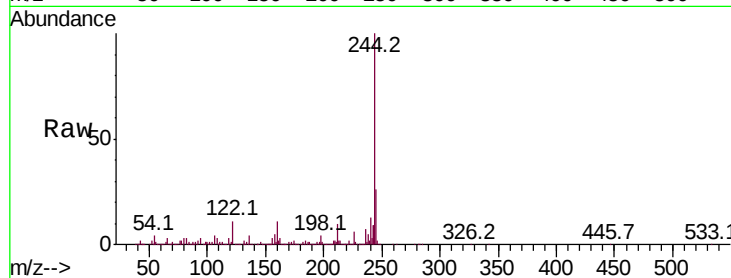
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2547907

Ion	Ratio	Lower	Upper
244	100		
212	10.4	8.4	12.6
122	11.2	8.7	13.1

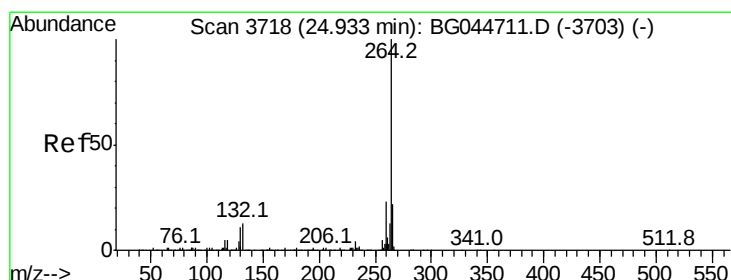
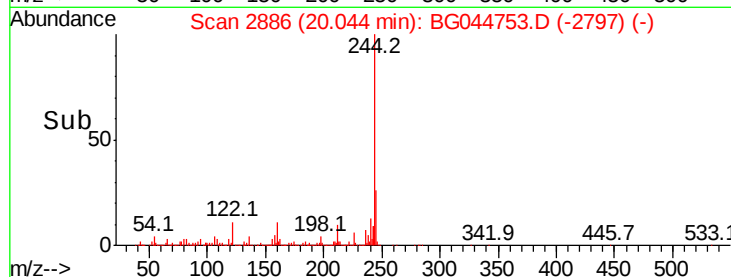
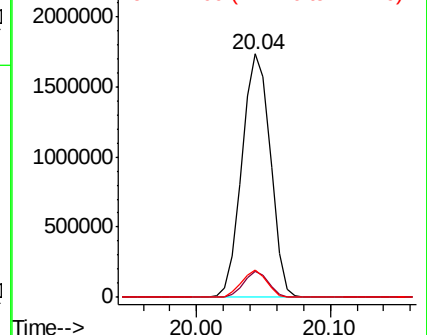


Abundance

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# 3716

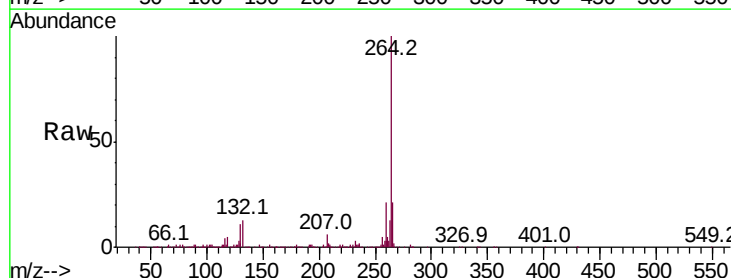
Delta R.T. -0.01 min

Lab File: BG044753.D

Acq: 13 Mar 2020 3:26

Tgt Ion:264 Resp: 633700

Ion	Ratio	Lower	Upper
264	100		
260	21.1	18.4	27.6
265	21.2	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

