

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044767.D
 Acq On : 13 Mar 2020 14:58
 Operator : CG/JU
 Sample : L1887-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 15:34:32 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	108376	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	426935	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	290675	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	634541	20.00	ng	0.00
76) Chrysene-d12	21.70	240	583518	20.00	ng	-0.01
87) Perylene-d12	24.91	264	687293	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	407347	58.51	ng	0.00
7) Phenol-d6	7.20	99	364291	36.01	ng	-0.01
23) Nitrobenzene-d5	9.21	82	857407	88.13	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	497238	130.65	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1729649	85.21	ng	0.00
79) Terphenyl-d14	20.04	244	2509775	80.45	ng	0.00

Target Compounds

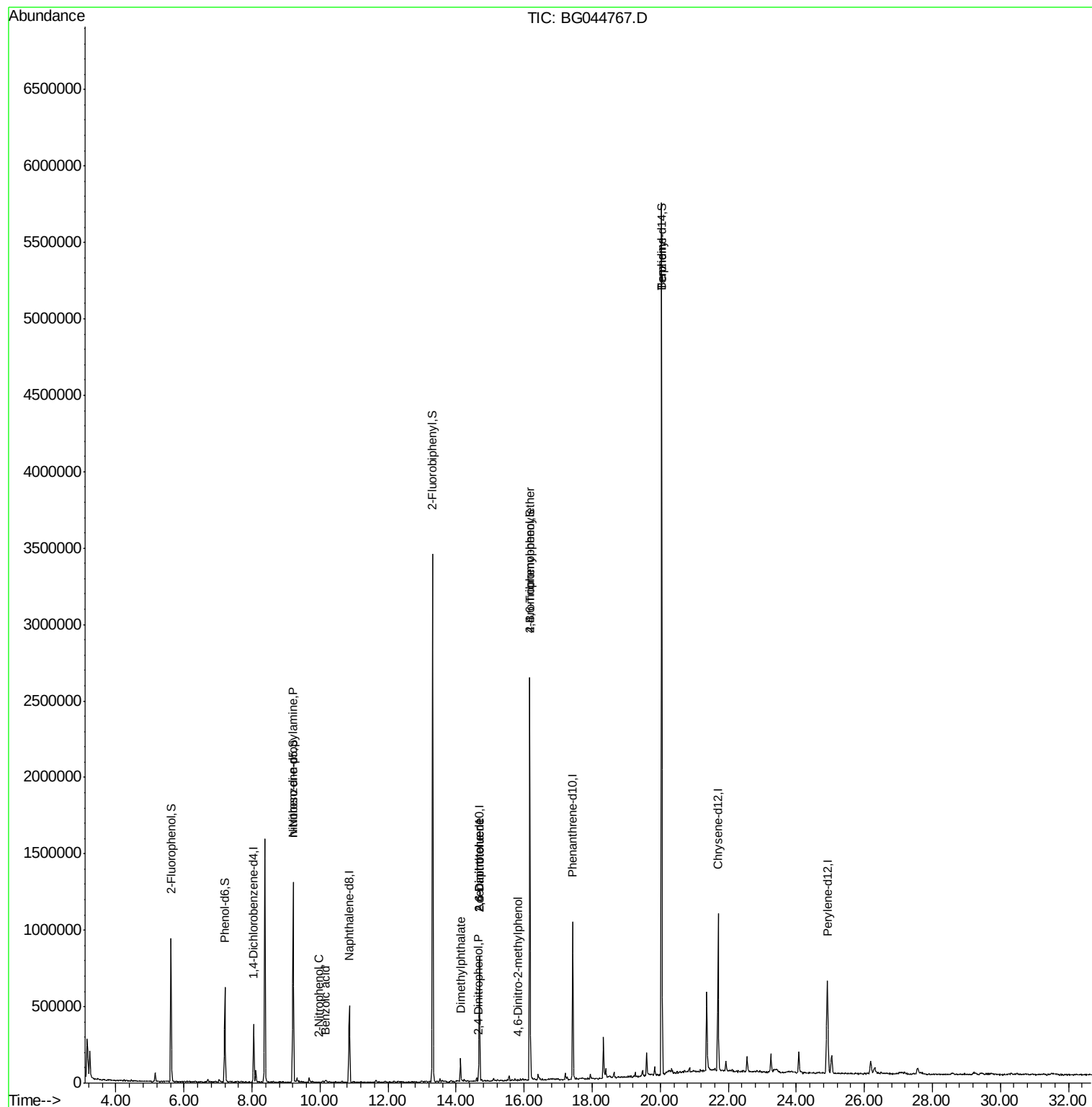
						Qvalue
9) Benzaldehyde	7.19	77	1285	Below Cal	#	37
19) n-Nitroso-di-n-propylamine	9.21	70	114400	16.017 ng	#	75
26) 2-Nitrophenol	9.96	139	55	5.529 ng	#	28
32) Benzoic acid	10.17	122	55	9.679 ng	#	49
50) Dimethylphthalate	14.13	163	101311	4.376 ng	#	94
51) 2,6-Dinitrotoluene	14.68	165	37500	8.036 ng	#	20
54) 2,4-Dinitrophenol	14.64	184	55	8.343 ng	#	66
57) 2,4-Dinitrotoluene	14.68	165	37500	5.859 ng	#	18
65) 4,6-Dinitro-2-methylphenol	15.81	198	56	7.744 ng	#	35
67) 4-Bromophenyl-phenylether	16.17	248	35394	4.462 ng	#	1
77) Benzidine	20.04	184	53809	2.841 ng	#	92

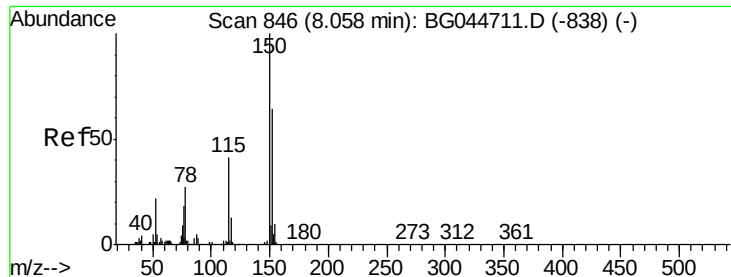
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044767.D
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Misc :
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Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 13 15:34:32 2020
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Response via : Initial Calibration



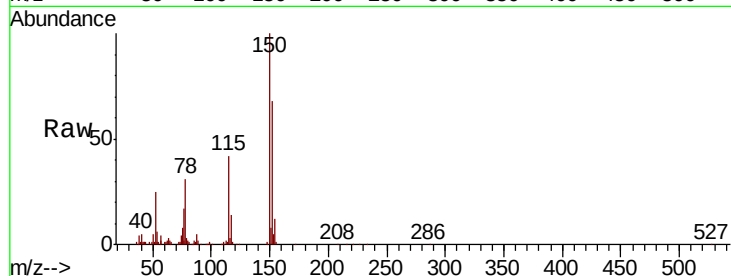


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG044767.D
 Acq: 13 Mar 2020 14:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	125.3	187.9
115	62.5	51.7	77.5

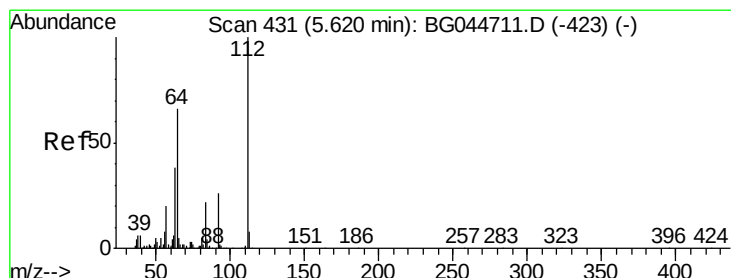
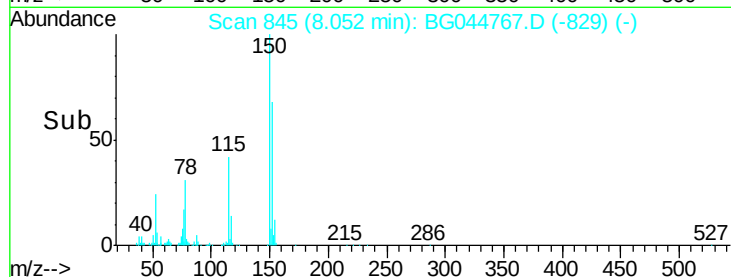
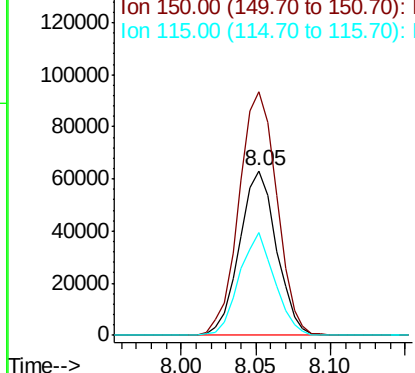


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

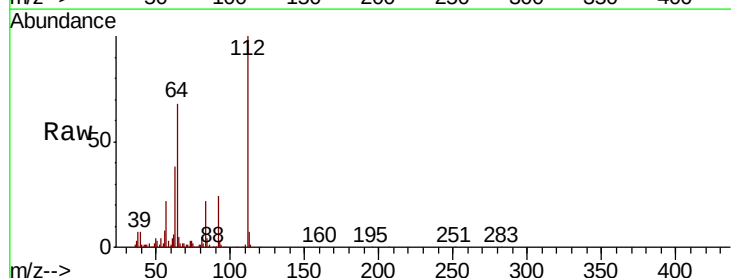
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 58.511 ng
 RT: 5.62 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: BG044767.D
 Acq: 13 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	52.6	78.8
63	37.8	30.2	45.4

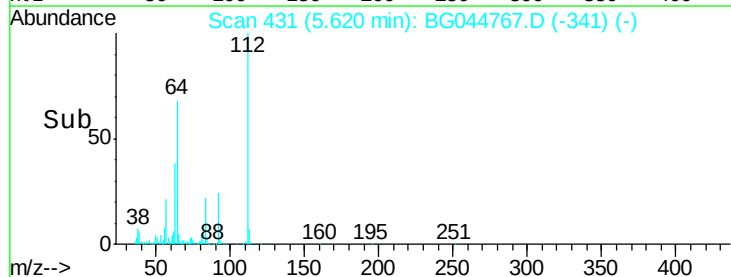
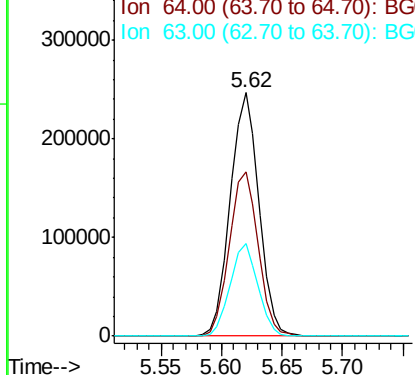


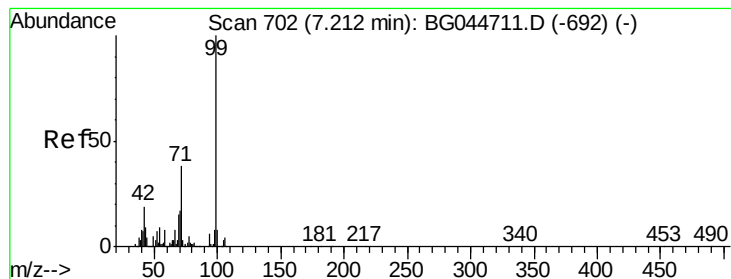
Abundance

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: 36.014 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044767.D

Acq: 13 Mar 2020 14:58

Instrument :

BNA_G

ClientSampled :

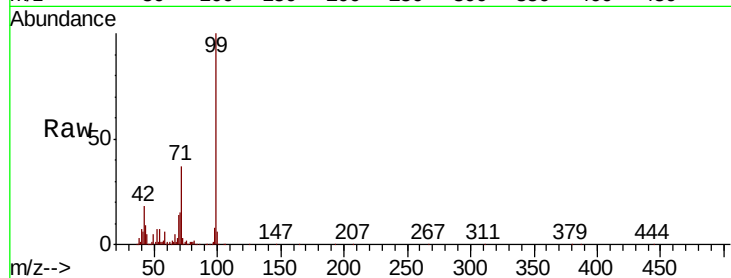
Tot Ion: 99 Resp: 364291

Ion Ratio Lower Upper

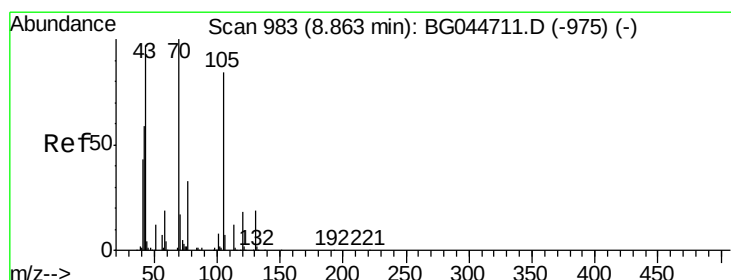
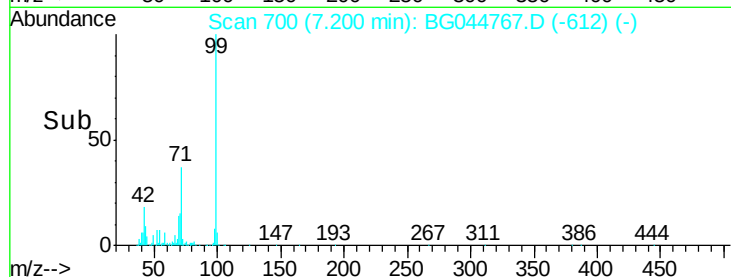
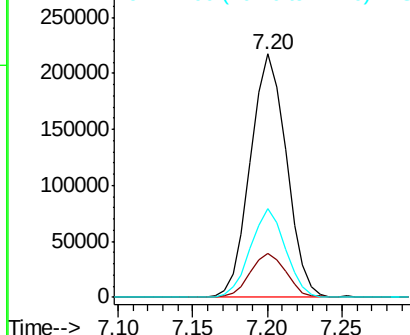
99 100

42 18.1 15.4 23.0

71 36.5 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: 16.017 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044767.D

Acq: 13 Mar 2020 14:58

Tgt Ion: 70 Resp: 114400

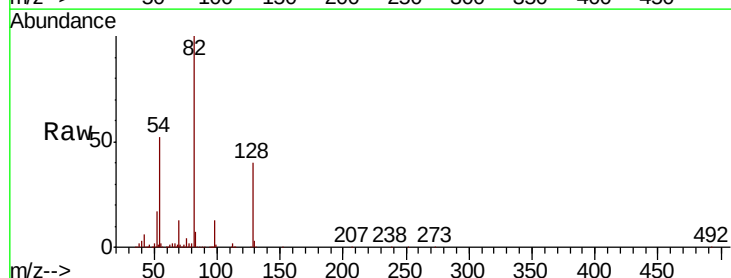
Ion Ratio Lower Upper

70 100

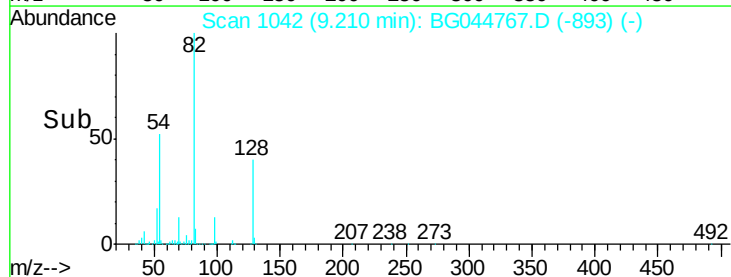
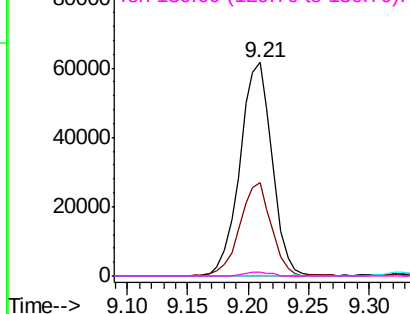
42 43.9 47.6 71.4#

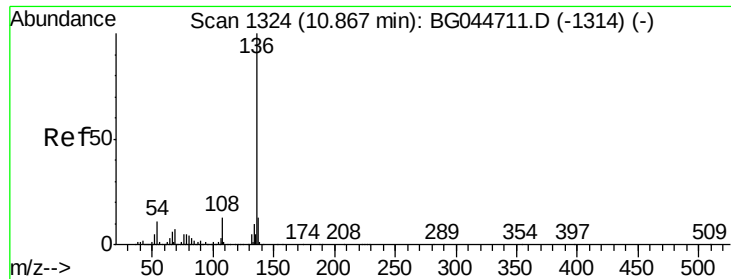
101 0.0 6.5 9.7#

130 1.7 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

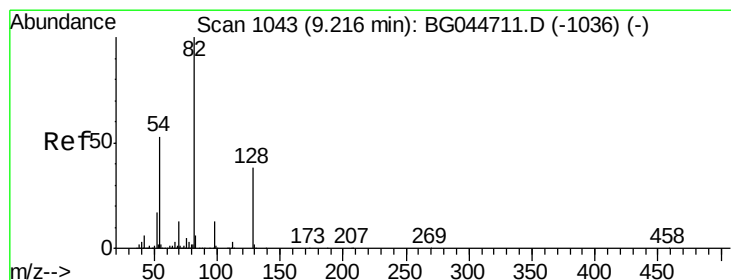
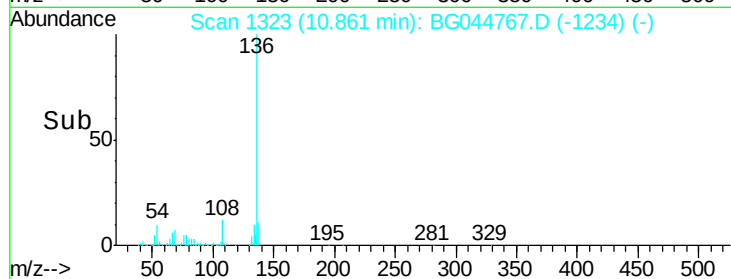
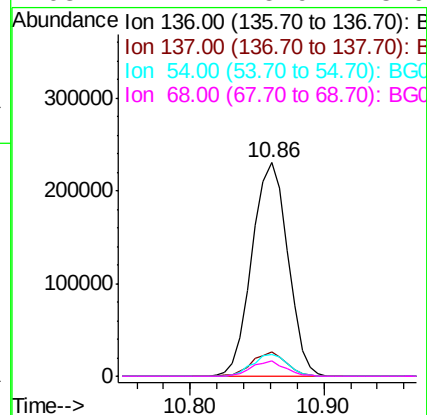
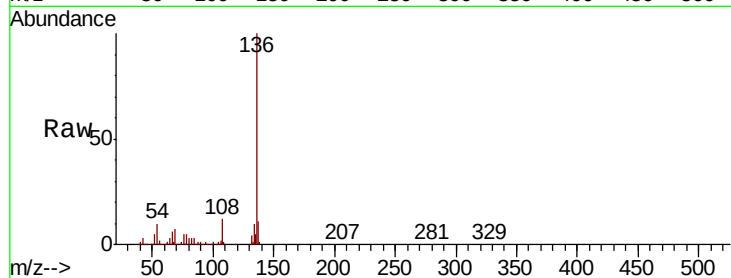




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044767.D
Acq: 13 Mar 2020 14:58

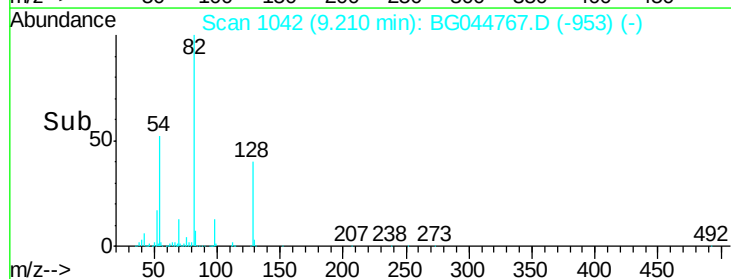
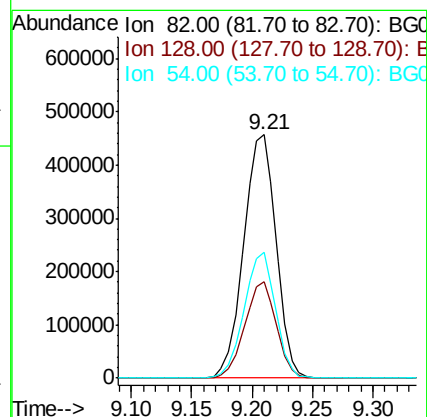
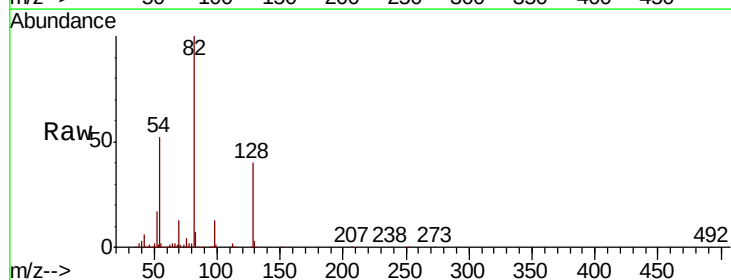
Instrument :
BNA_G
ClientSampleId :

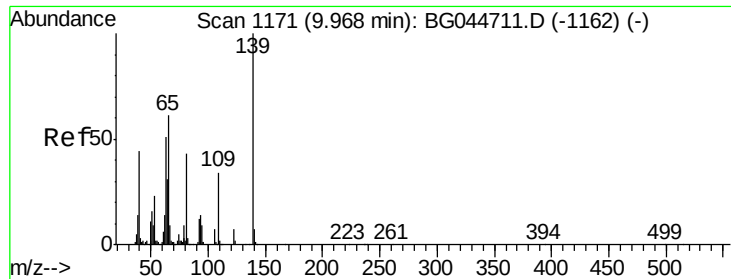
Tot Ion:136	Resp:	426935	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	10.7	16.1	
54 10.1	9.0	13.4	
68 7.4	5.9	8.9	



#23
Nitrobenzene-d5
Concen: 88.126 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044767.D
Acq: 13 Mar 2020 14:58

Tgt Ion: 82	Resp: 857407
Ion Ratio	Lower Upper
82 100	
128 39.6	30.2 45.2
54 51.9	41.8 62.8

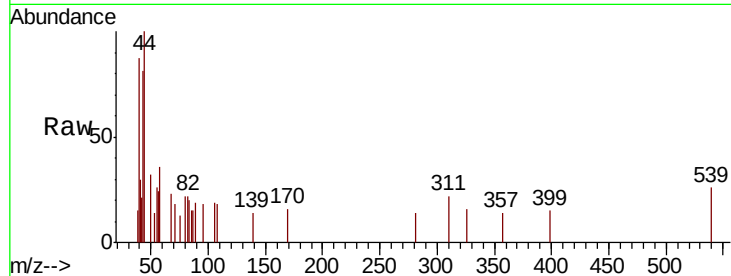




#26
2-Nitrophenol
Concen: 5.529 ng
RT: 9.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BG044767.D
Acq: 13 Mar 2020 14:58

Instrument :
BNA_G
ClientSampled :

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

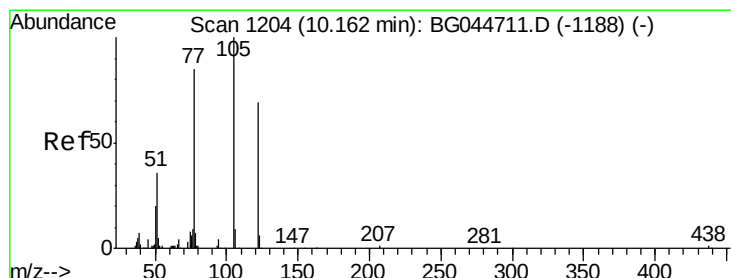
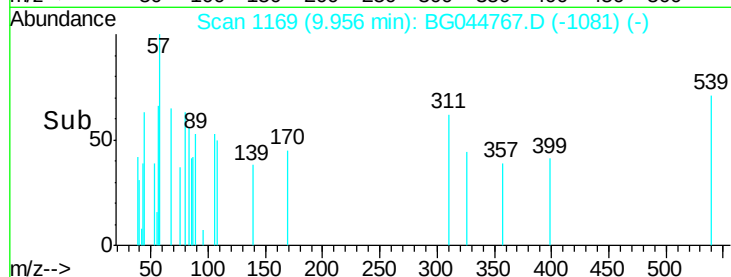
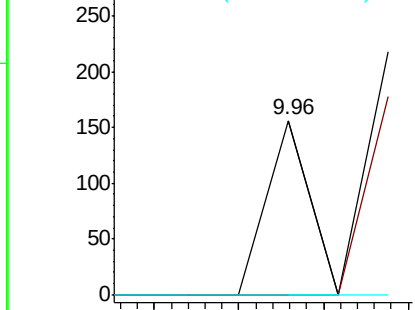


Abundance

Ion 139.00 (138.70 to 139.70): E

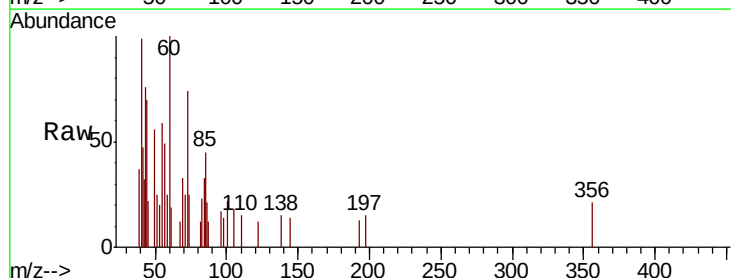
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#32
Benzoic acid
Concen: 9.679 ng
RT: 10.17 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BG044767.D
Acq: 13 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
122	100		
105	145.2	119.0	159.0
77	0.0	96.4	136.4#

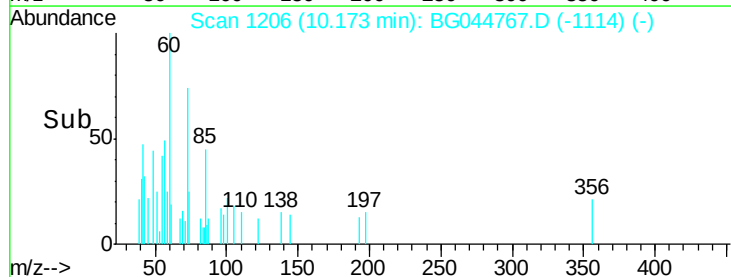
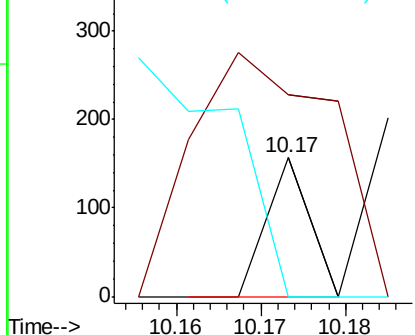


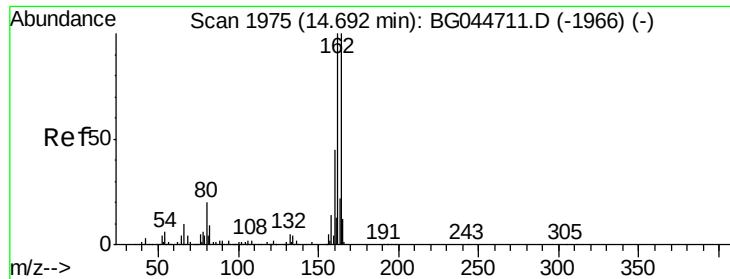
Abundance

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

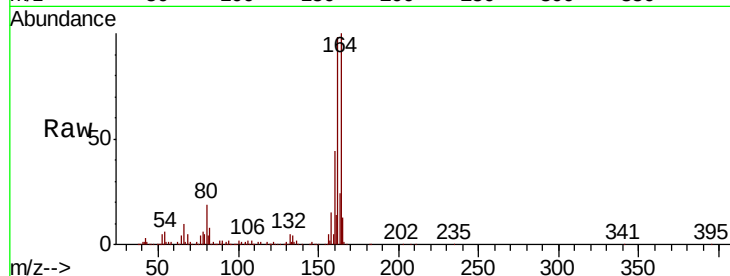




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG044767.D
Acq: 13 Mar 2020 14:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.3	80.2	120.4
160	43.9	36.2	54.2

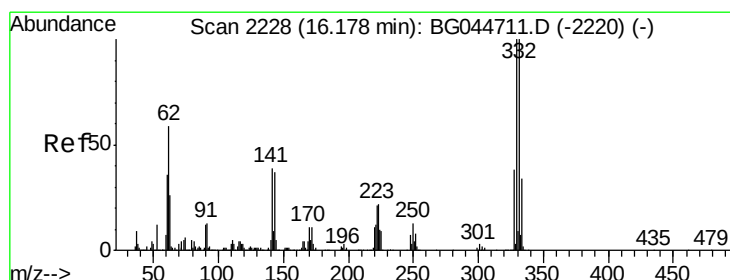
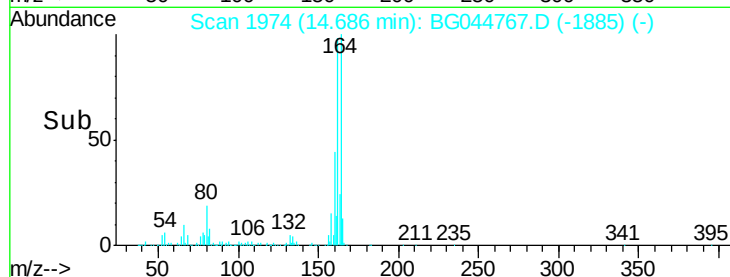
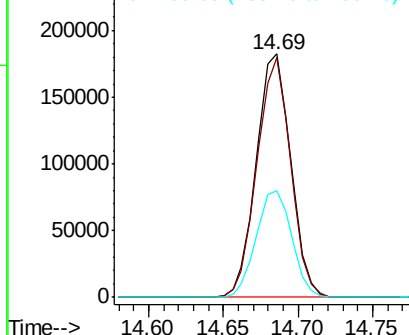


Abundance

Ion 164.00 (163.70 to 164.70): E

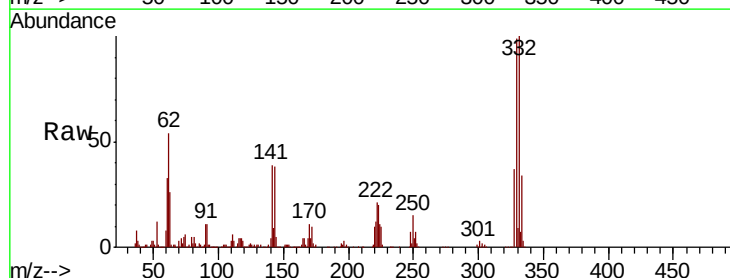
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 130.648 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG044767.D
Acq: 13 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.5	116.3
141	39.7	31.7	47.5

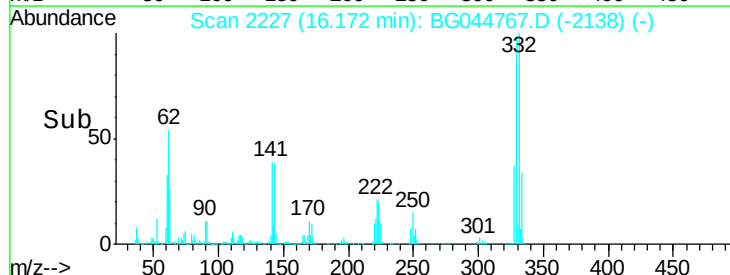
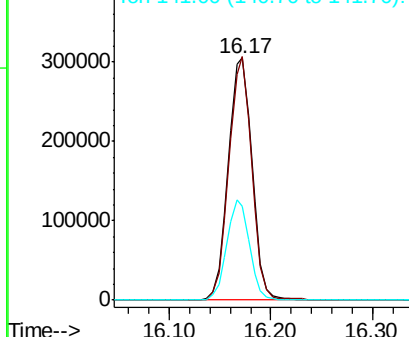


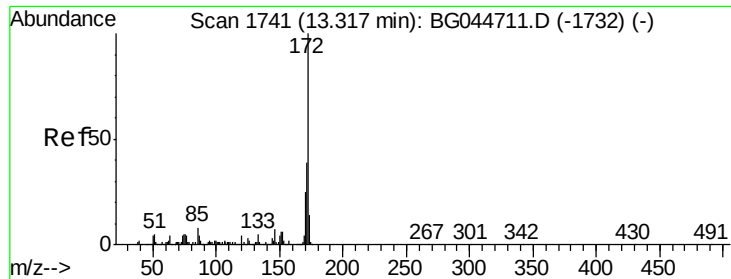
Abundance

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

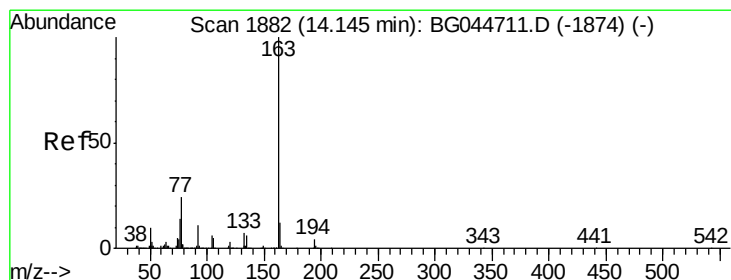
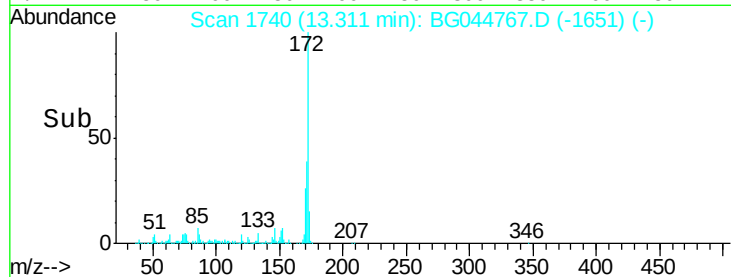
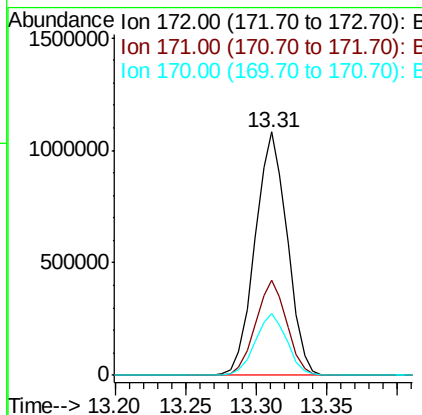
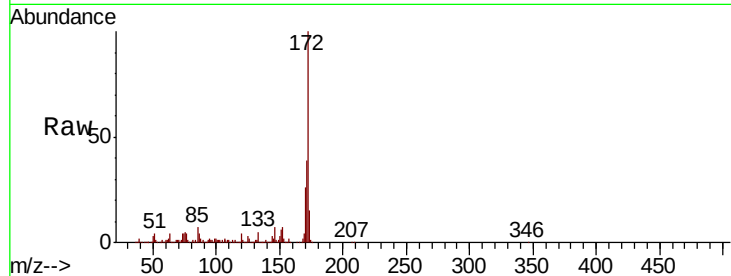




#45
2-Fluorobiphenyl
Concen: 85.213 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG044767.D
Acq: 13 Mar 2020 14:58

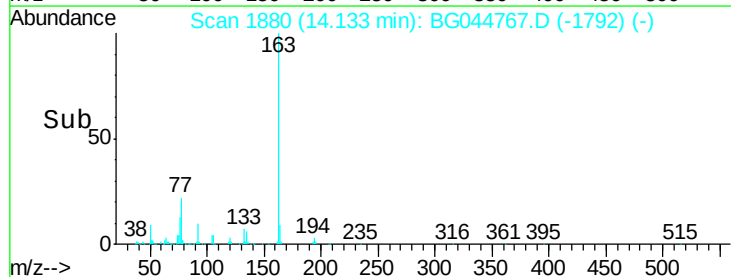
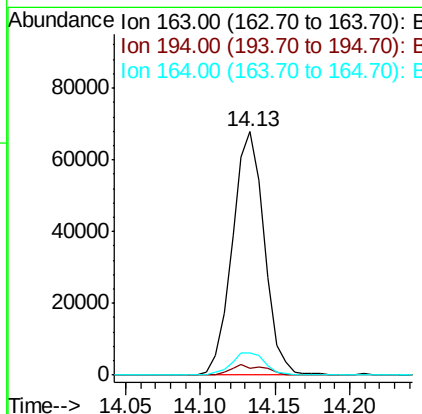
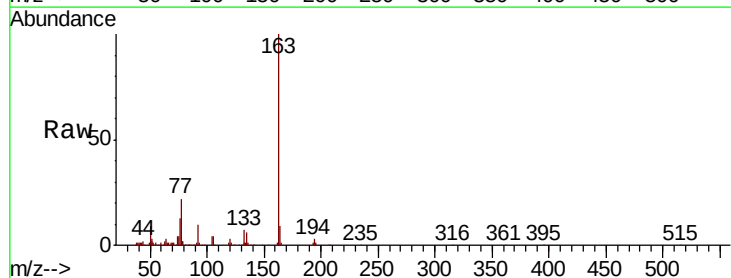
Instrument :
BNA_G
ClientSampleId :

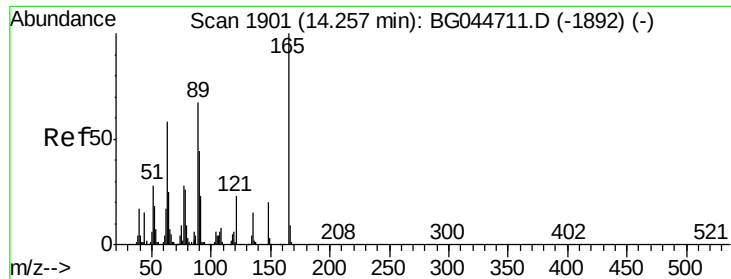
Tot Ion:172 Resp: 1729649
Ion Ratio Lower Upper
172 100
171 39.2 30.8 46.2
170 25.6 20.0 30.0



#50
Dimethylphthalate
Concen: 4.376 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG044767.D
Acq: 13 Mar 2020 14:58

Tgt Ion:163 Resp: 101311
Ion Ratio Lower Upper
163 100
194 2.8 3.5 5.3#
164 8.9 9.2 13.8#

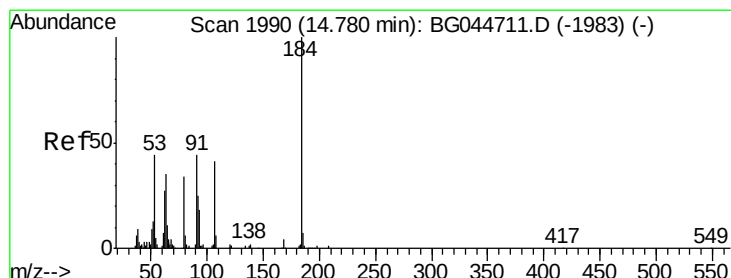
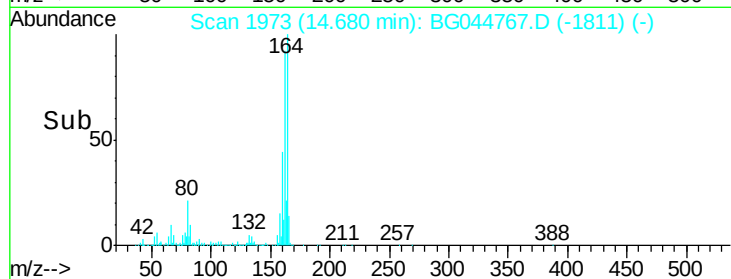
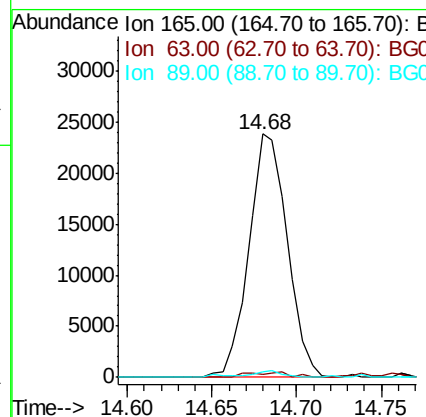
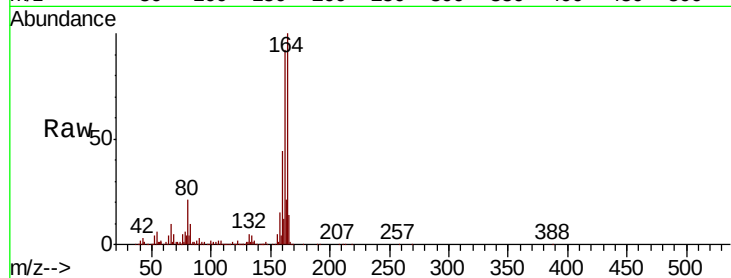




#51
 2,6-Dinitrotoluene
 Concen: 8.036 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.42 min
 Lab File: BG044767.D
 Acq: 13 Mar 2020 14:58

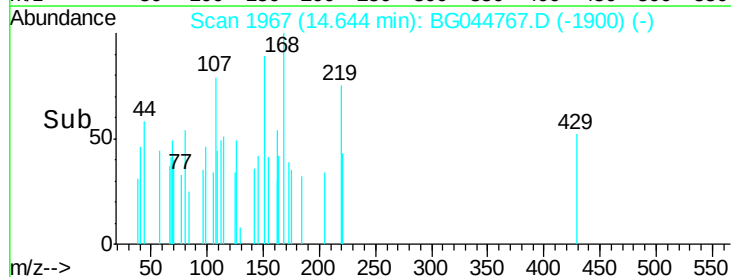
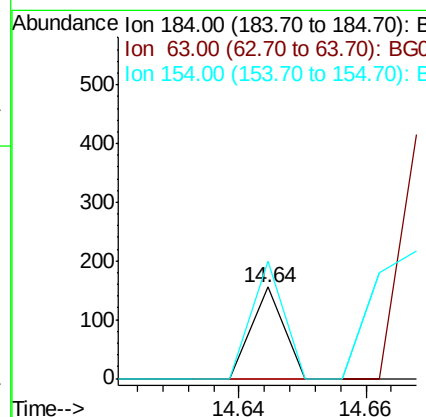
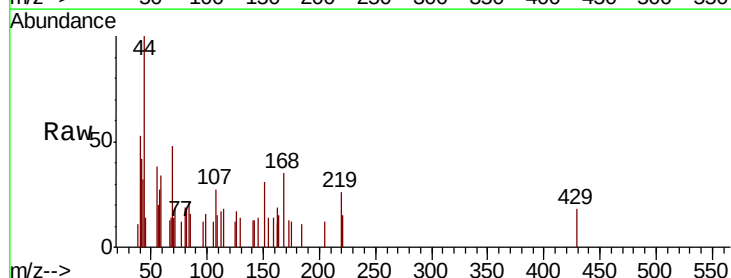
Instrument :
 BNA_G
 ClientSampleId :

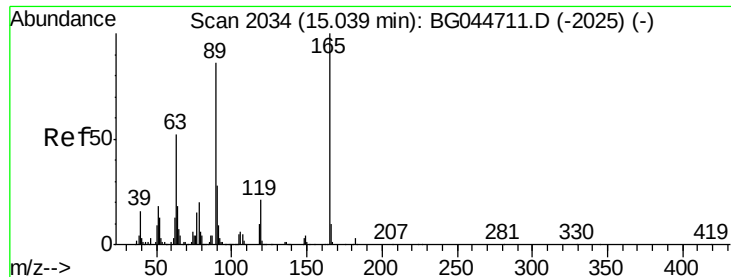
Tot Ion:165 Resp: 37500
 Ion Ratio Lower Upper
 165 100
 63 1.4 48.9 73.3#
 89 2.3 53.8 80.8#



#54
 2,4-Dinitrophenol
 Concen: 8.343 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.13 min
 Lab File: BG044767.D
 Acq: 13 Mar 2020 14:58

Tgt Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.0 73.6#
 154 129.0 94.5 141.7

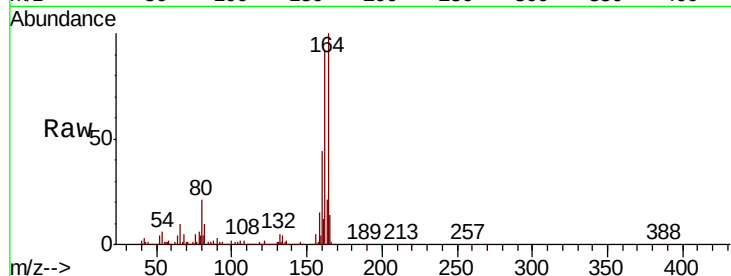




#57
 2,4-Dinitrotoluene
 Concen: 5.859 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.36 min
 Lab File: BG044767.D
 Acq: 13 Mar 2020 14:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.5	62.3#
89	2.3	69.0	103.4#
182	0.0	2.7	4.1#

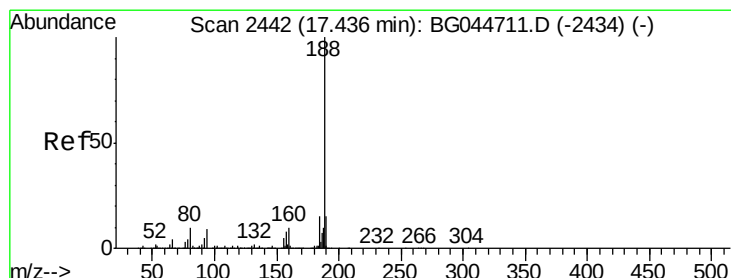
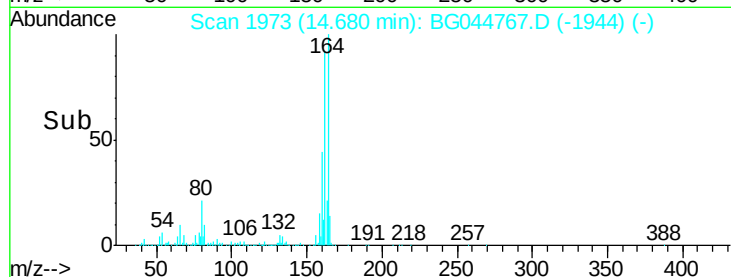
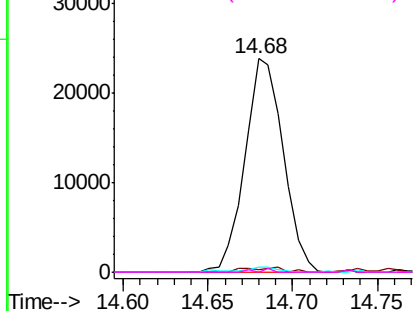


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

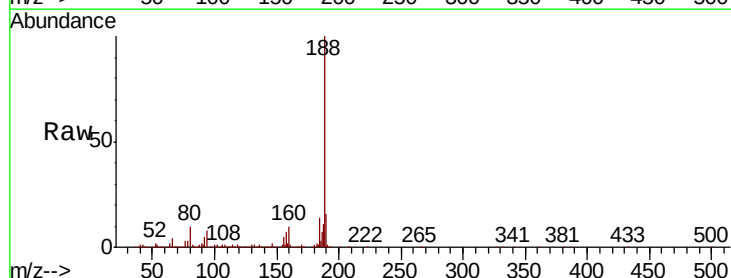
Ion 89.00 (88.70 to 89.70): BGC

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. -0.01 min
 Lab File: BG044767.D
 Acq: 13 Mar 2020 14:58

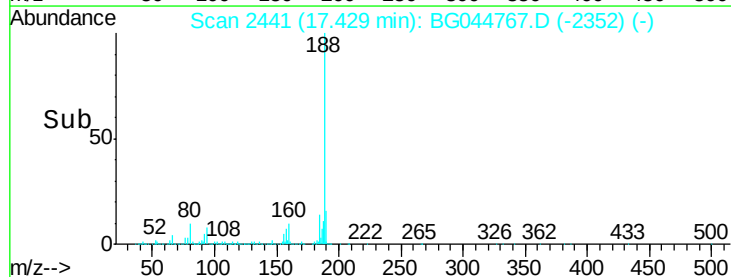
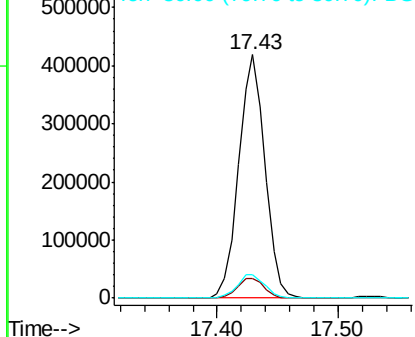
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.6
80	9.6	8.4	12.6

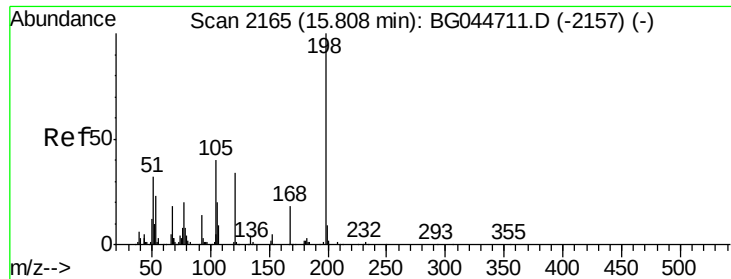


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.744 ng

RT: 15.81 min Scan# 2166

Delta R.T. 0.01 min

Lab File: BG044767.D

Acq: 13 Mar 2020 14:58

Instrument :

BNA_G

ClientSampleId :

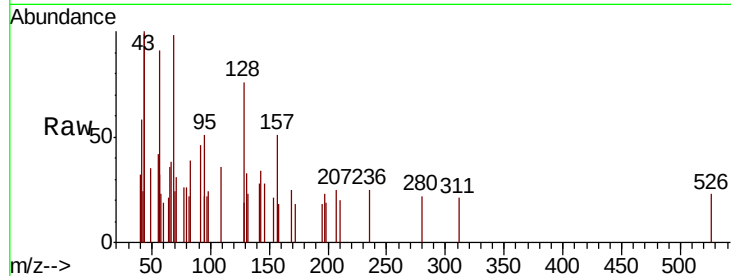
Tot Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

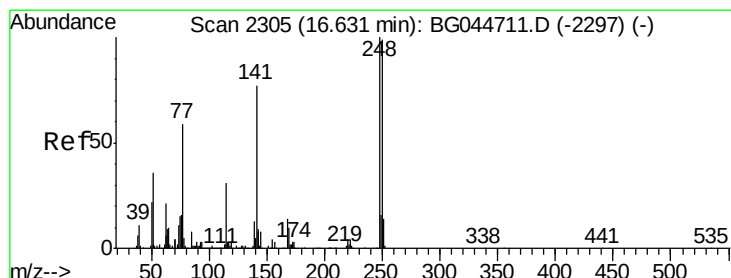
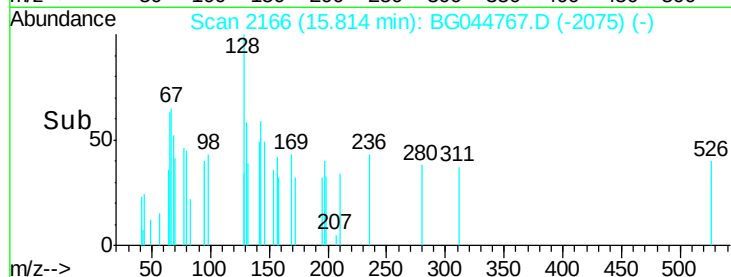
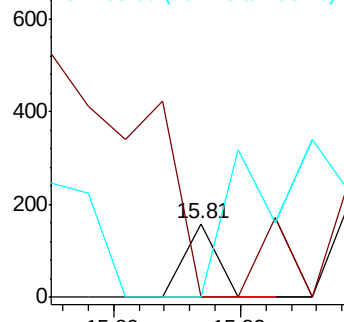
105 0.0 21.3 61.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG044767.D (-2157) (-)

Ion 105.00 (104.70 to 105.70): BG044767.D (-2157) (-)



#67

4-Bromophenyl-phenylether

Concen: 4.462 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG044767.D

Acq: 13 Mar 2020 14:58

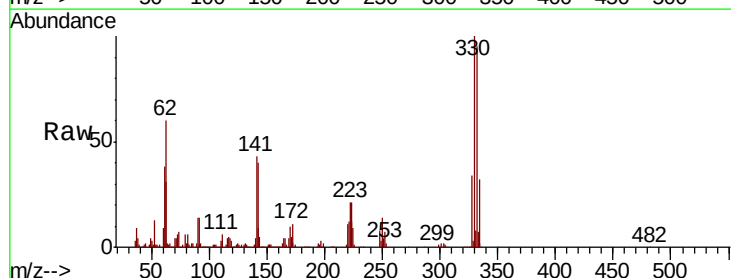
Tgt Ion:248 Resp: 35394

Ion Ratio Lower Upper

248 100

250 174.1 79.4 119.0#

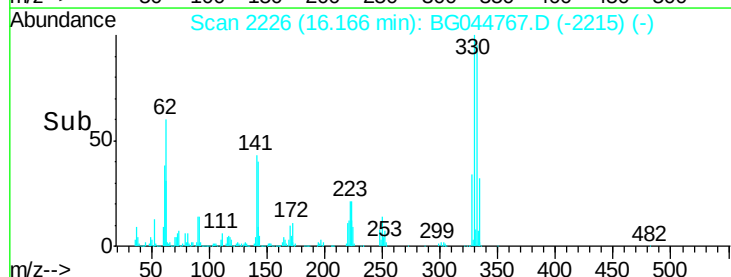
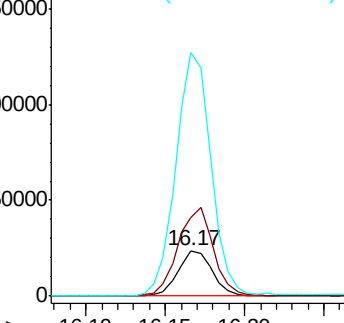
141 538.3 61.7 92.5#

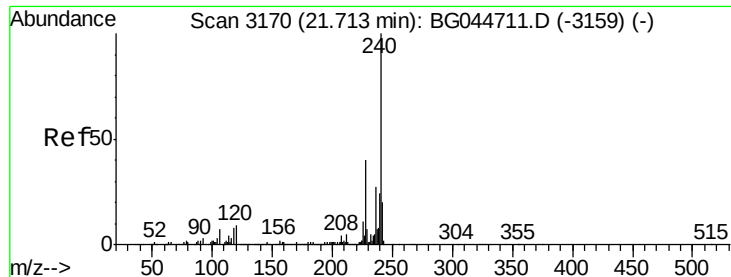


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG044767.D (-2297) (-)

Ion 141.00 (140.70 to 141.70): BG044767.D (-2297) (-)





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044767.D

Acq: 13 Mar 2020 14:58

Instrument :

BNA_G

ClientSampleId :

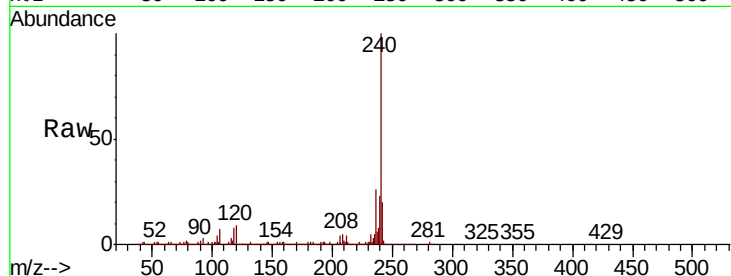
Tot Ion:240 Resp: 583518

Ion Ratio Lower Upper

240 100

120 8.6 6.9 10.3

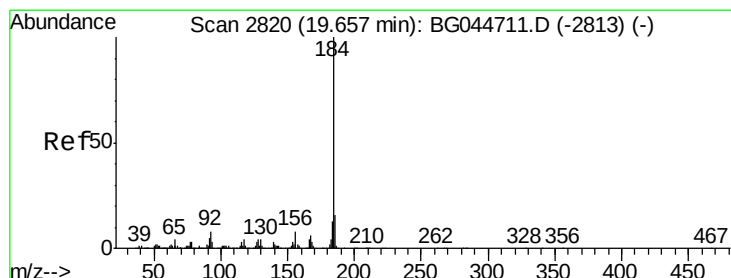
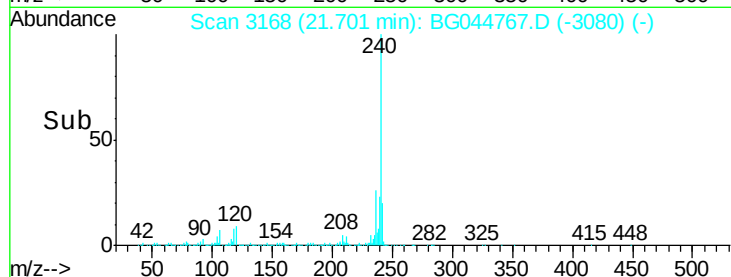
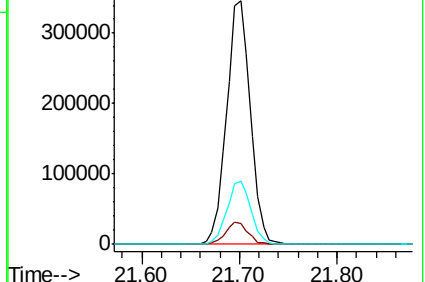
236 26.1 21.9 32.9



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: 2.841 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044767.D

Acq: 13 Mar 2020 14:58

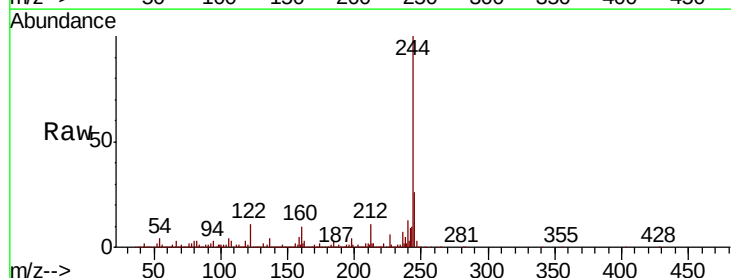
Tgt Ion:184 Resp: 53809

Ion Ratio Lower Upper

184 100

185 16.8 12.9 19.3

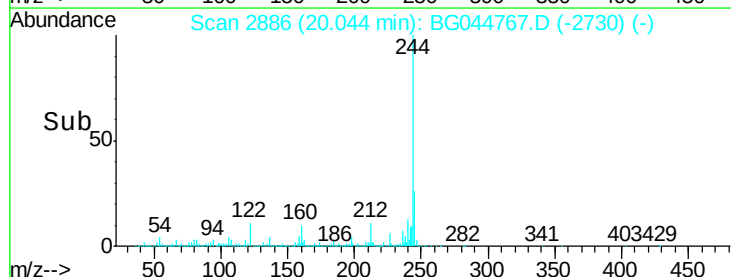
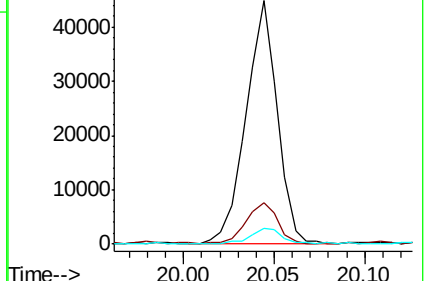
183 6.6 10.6 15.8#

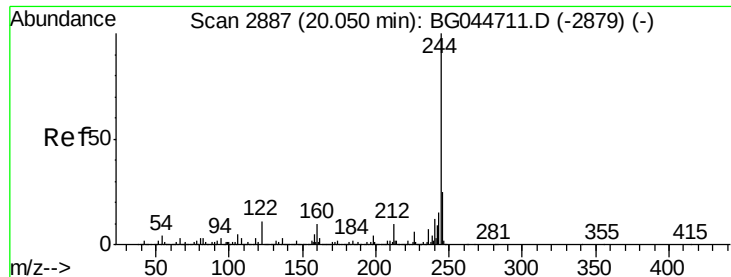


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 80.454 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044767.D

Acq: 13 Mar 2020 14:58

Instrument :

BNA_G

ClientSampled :

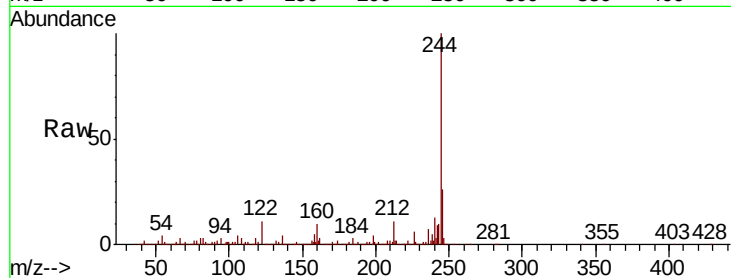
Tot Ion:244 Resp: 2509775

Ion Ratio Lower Upper

244 100

212 10.6 8.4 12.6

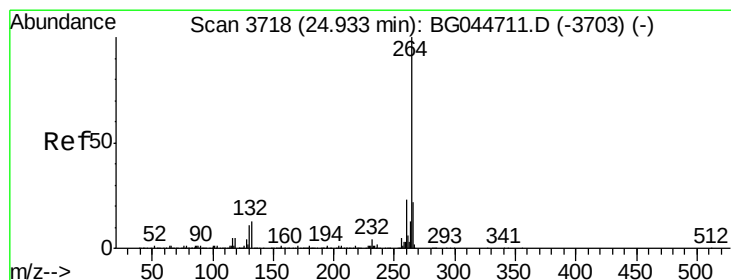
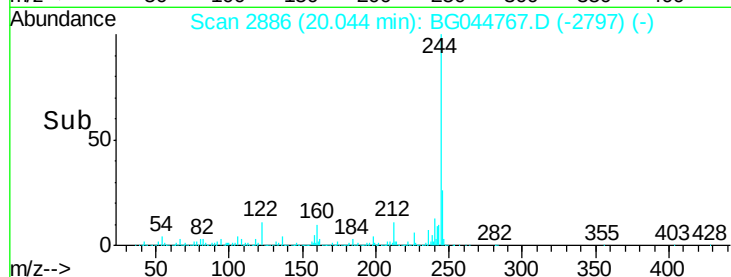
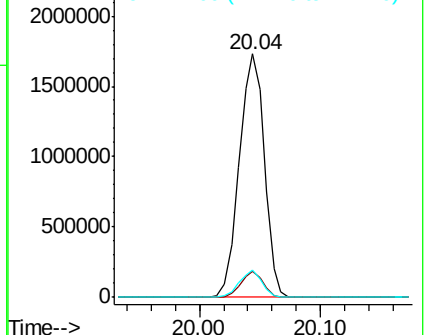
122 11.4 8.7 13.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3715

Delta R.T. -0.02 min

Lab File: BG044767.D

Acq: 13 Mar 2020 14:58

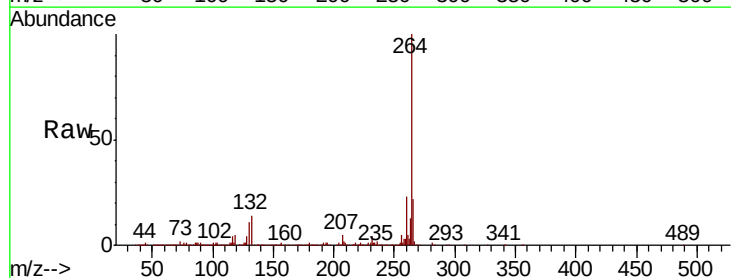
Tgt Ion:264 Resp: 687293

Ion Ratio Lower Upper

264 100

260 23.0 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

