

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044859.D
 Acq On : 18 Mar 2020 10:20
 Operator : CG/JU
 Sample : L1933-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:48:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	86266	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	346625	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	242869	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	561222	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	483453	20.00	ng	-0.02
87) Perylene-d12	24.89	264	541803	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	650848	117.45	ng	0.00
7) Phenol-d6	7.20	99	828080	102.85	ng	0.00
23) Nitrobenzene-d5	9.20	82	676932	85.70	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	466147	146.59	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1431423	84.40	ng	0.00
79) Terphenyl-d14	20.03	244	2289772	88.59	ng	0.00

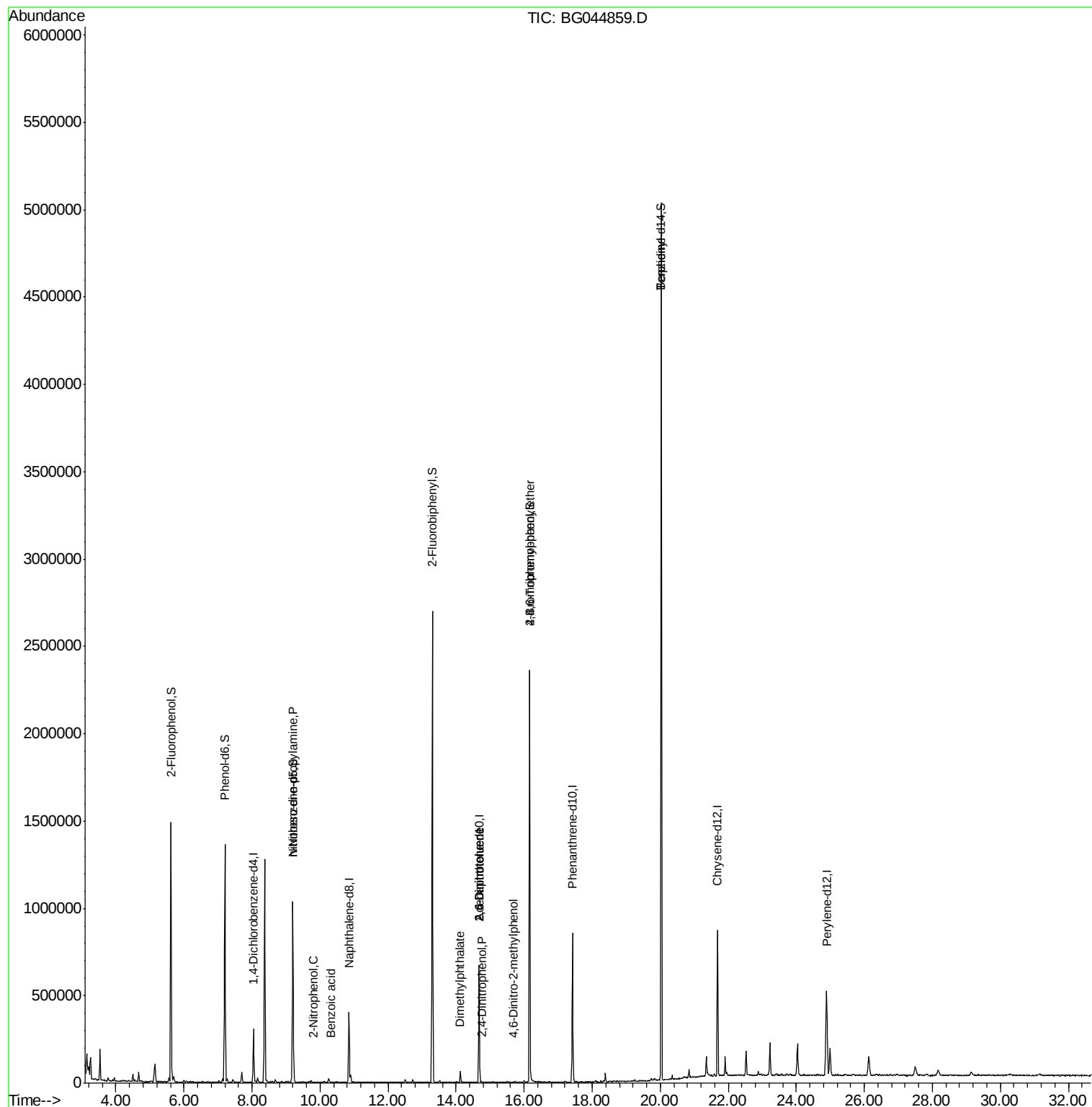
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	2522	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	9.20	70	93085	16.373	ng	# 72
26) 2-Nitrophenol	9.81	139	55	5.532	ng	# 28
32) Benzoic acid	10.31	122	56	9.681	ng	# 1
50) Dimethylphthalate	14.12	163	42996	2.223	ng	100
51) 2,6-Dinitrotoluene	14.67	165	31480	8.074	ng	# 21
54) 2,4-Dinitrophenol	14.74	184	53	8.346	ng	# 1
57) 2,4-Dinitrotoluene	14.67	165	31480	5.887	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.68	198	66	7.749	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	32277	4.600	ng	# 1
77) Benzydine	20.03	184	46346	2.953	ng	# 90

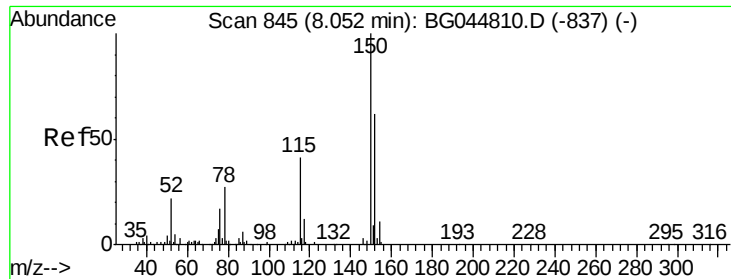
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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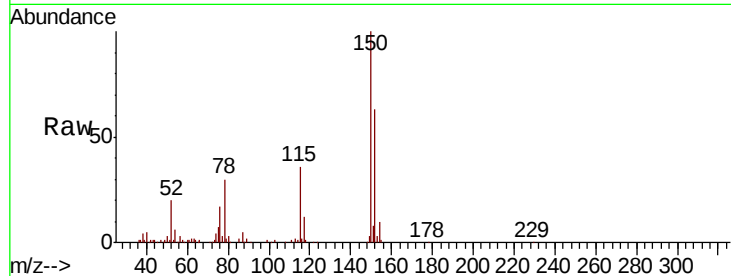


#1

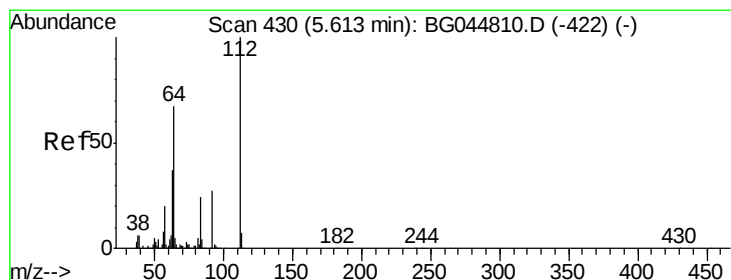
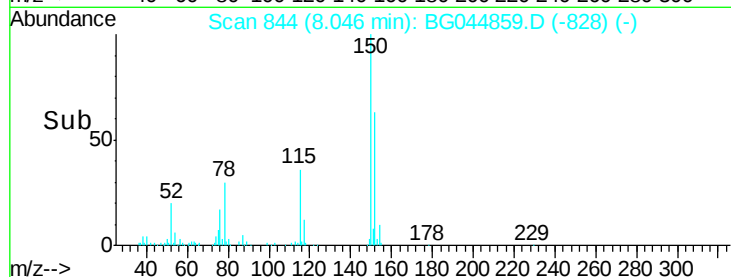
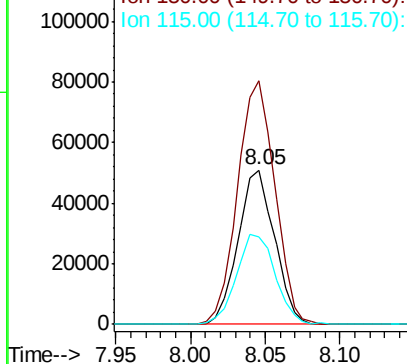
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG044859.D
Acq: 18 Mar 2020 10:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	128.8	193.2
115	56.7	52.6	79.0



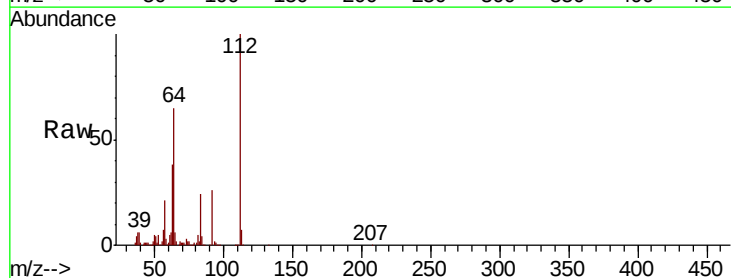
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



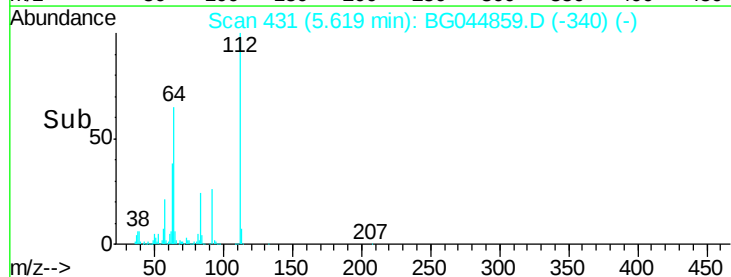
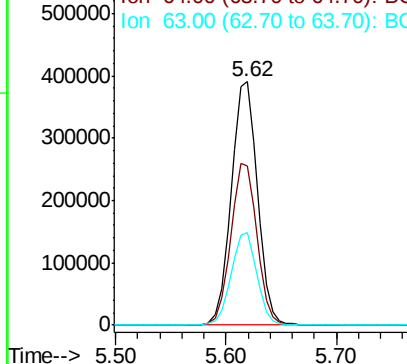
#5

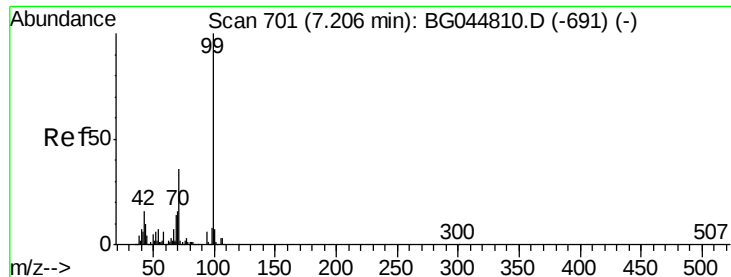
2-Fluorophenol
Concen: 117.447 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044859.D
Acq: 18 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.4	80.2
63	38.2	29.4	44.2



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: 102.847 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

Instrument :

BNA_N

ClientSampleId :

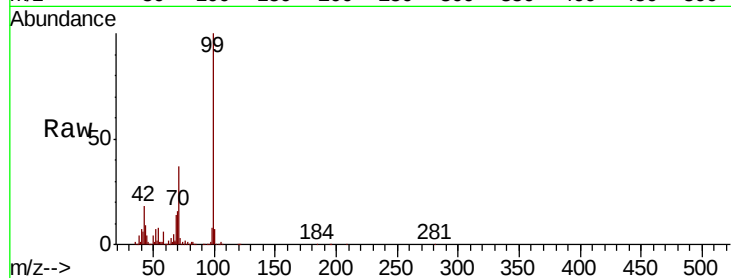
Tot Ion: 99 Resp: 828080

Ion Ratio Lower Upper

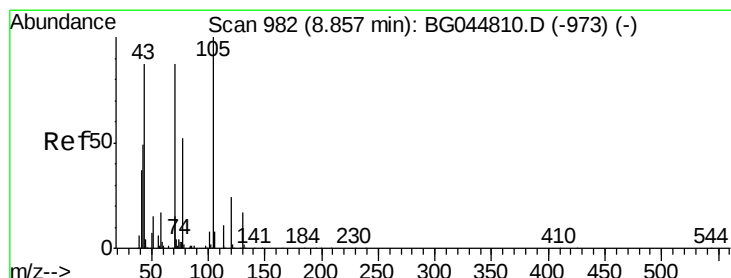
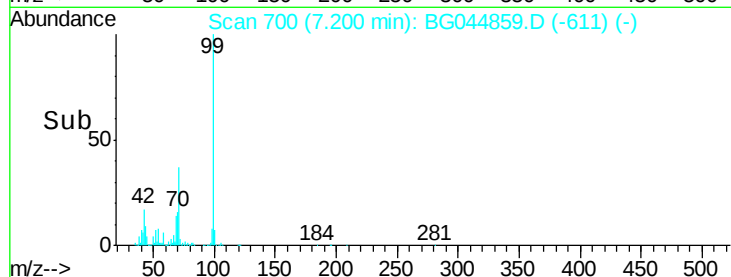
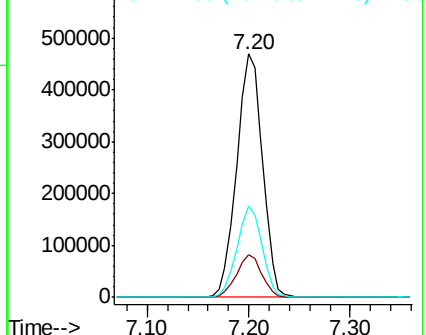
99 100

42 17.5 12.6 19.0

71 37.5 29.0 43.4



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: 16.373 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

Tgt Ion: 70 Resp: 93085

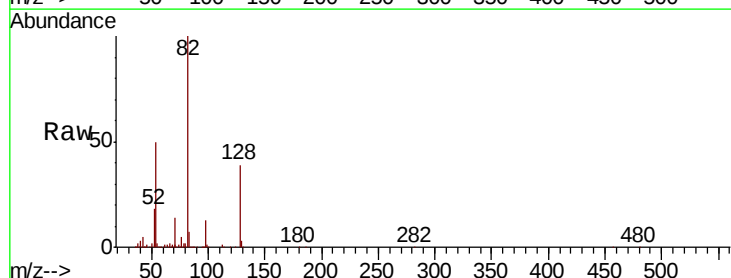
Ion Ratio Lower Upper

70 100

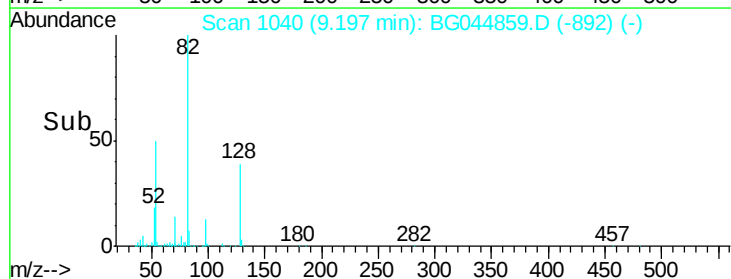
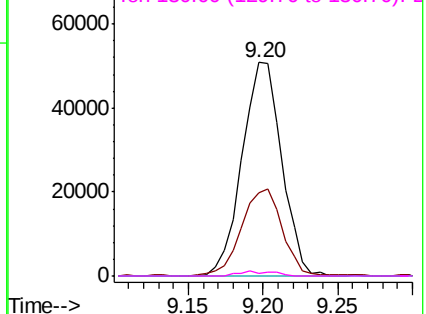
42 39.1 45.7 68.5#

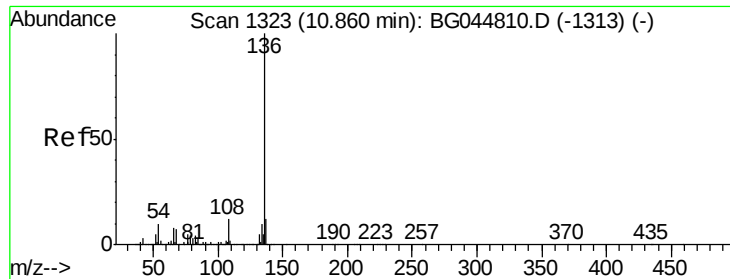
101 0.0 7.4 11.2#

130 1.2 15.9 23.9#



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: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 346625

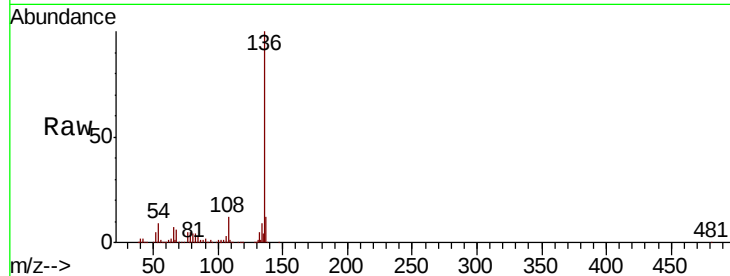
Ion Ratio Lower Upper

136 100

137 11.9 9.8 14.6

54 9.1 7.9 11.9

68 6.0 5.4 8.0

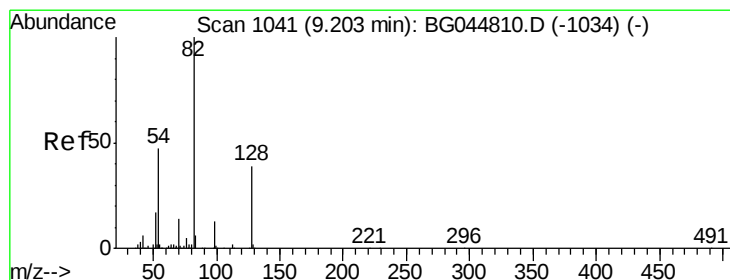
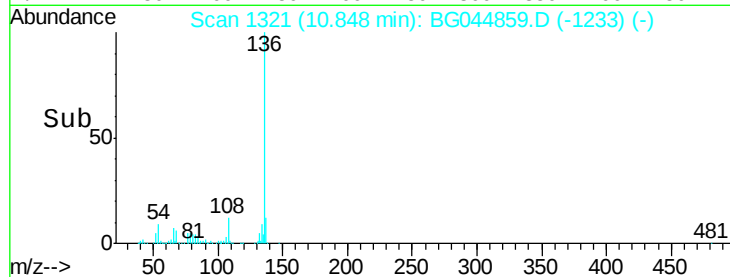
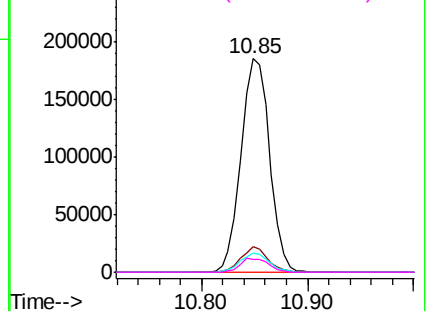


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.697 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

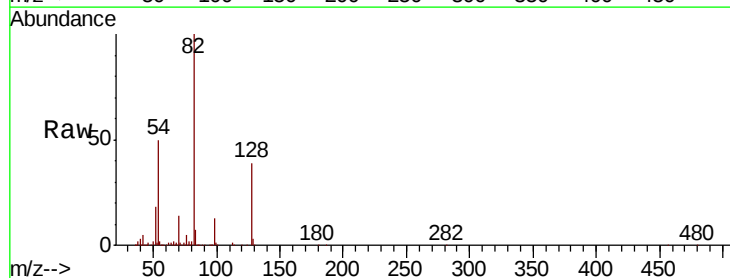
Tgt Ion: 82 Resp: 676932

Ion Ratio Lower Upper

82 100

128 38.8 30.6 46.0

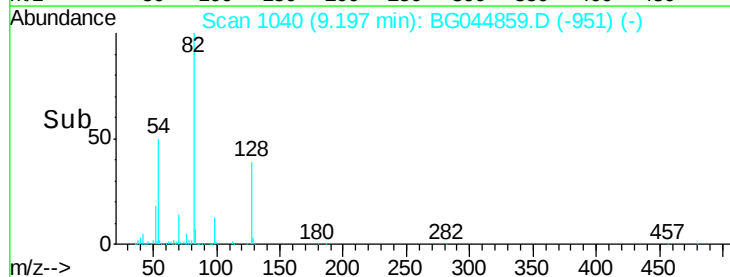
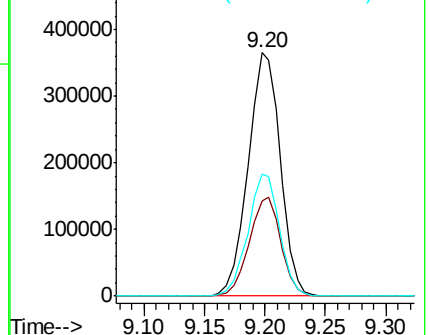
54 50.0 37.1 55.7

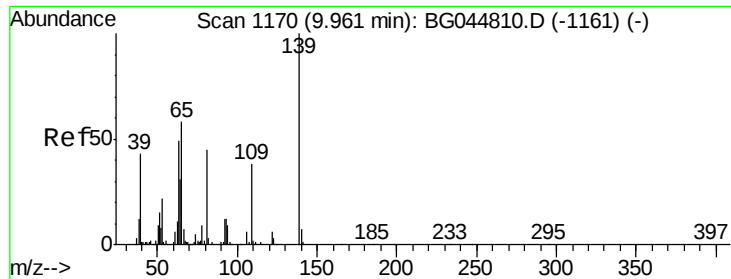


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

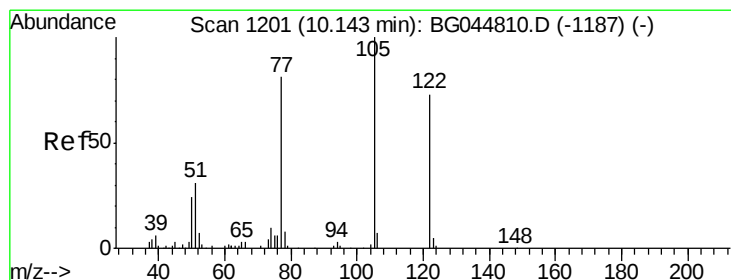
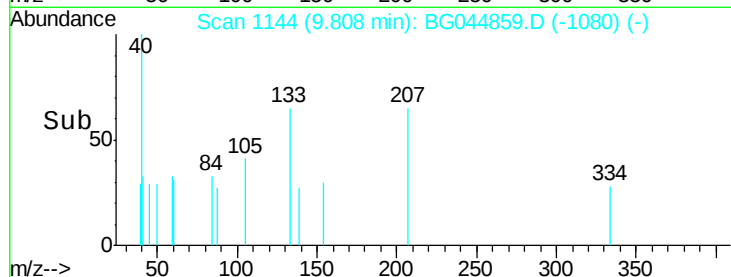
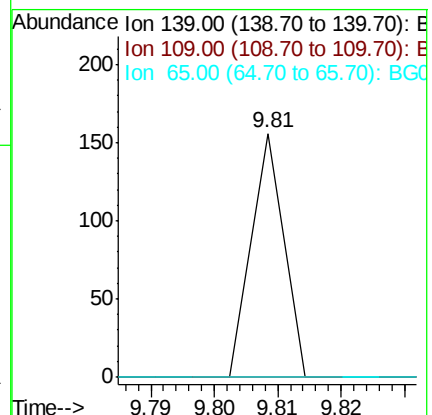
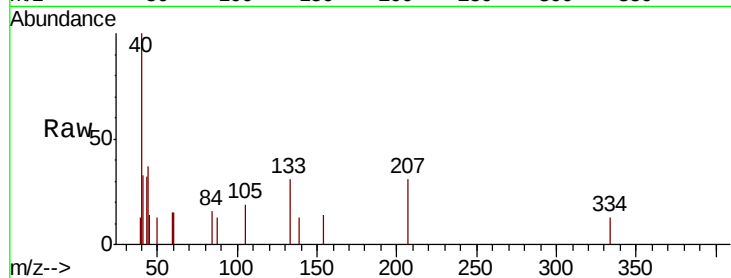




#26
2-Nitrophenol
Concen: 5.532 ng
RT: 9.81 min Scan# 1144
Delta R.T. -0.15 min
Lab File: BG044859.D
Acq: 18 Mar 2020 10:20

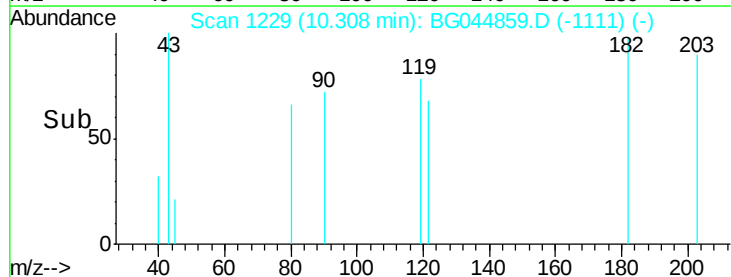
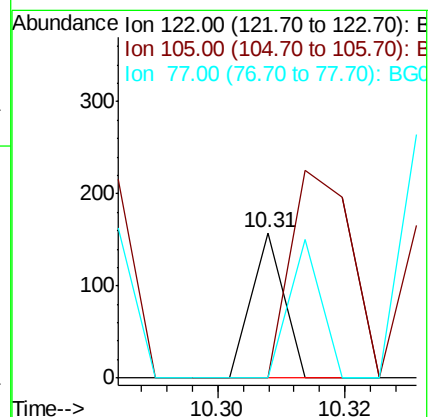
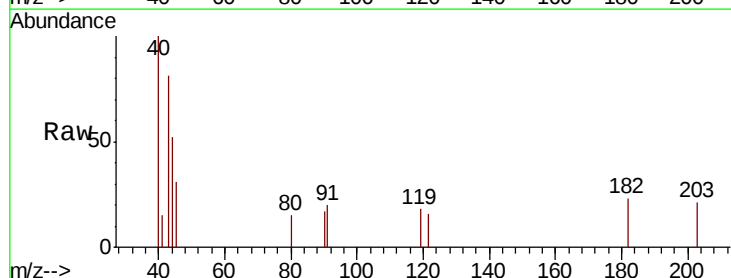
Instrument :
BNA_N
ClientSampleId :

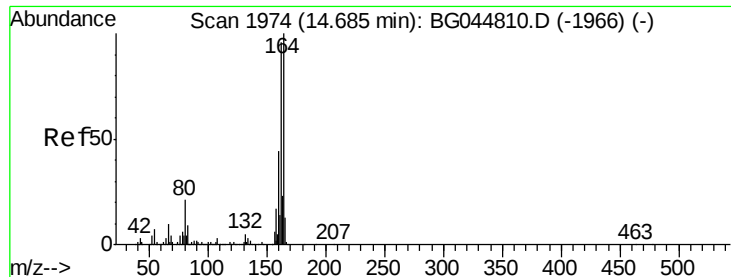
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.681 ng
RT: 10.31 min Scan# 1229
Delta R.T. 0.16 min
Lab File: BG044859.D
Acq: 18 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

Instrument :

BNA_N

ClientSampleId :

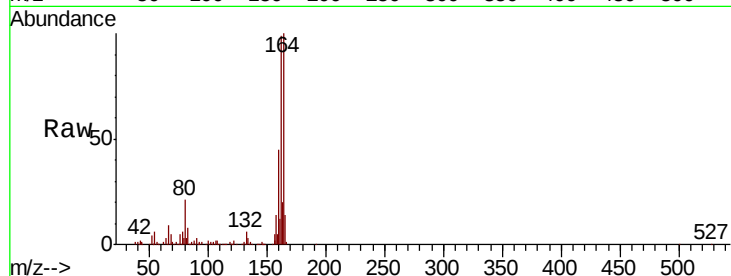
Tot Ion:164 Resp: 242869

Ion Ratio Lower Upper

164 100

162 99.1 76.7 115.1

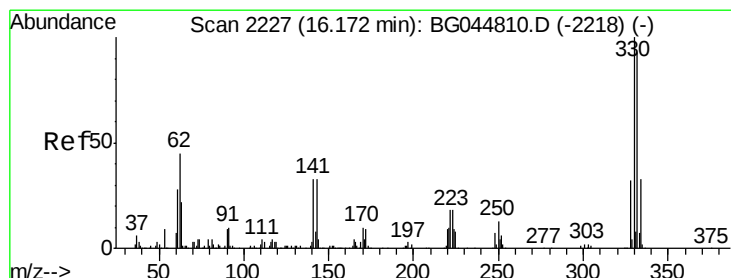
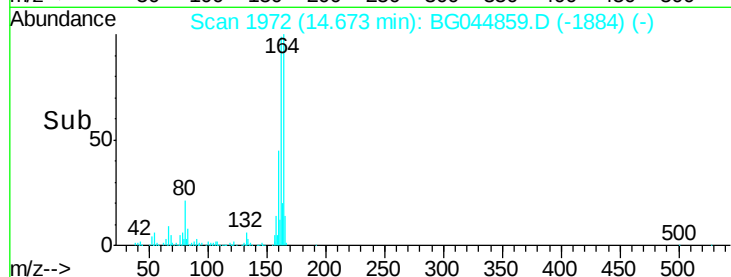
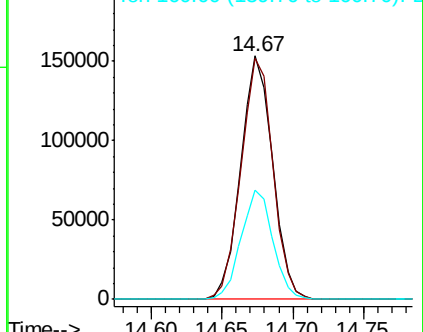
160 44.7 35.0 52.4



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: 146.587 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

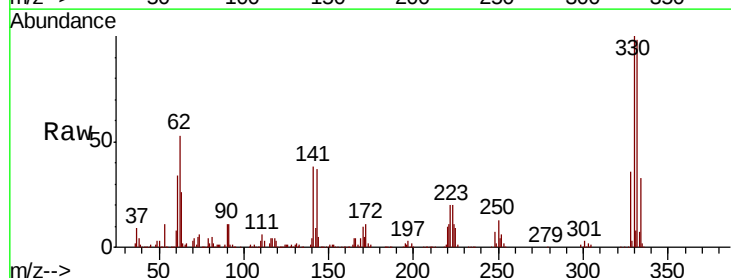
Tgt Ion:330 Resp: 466147

Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

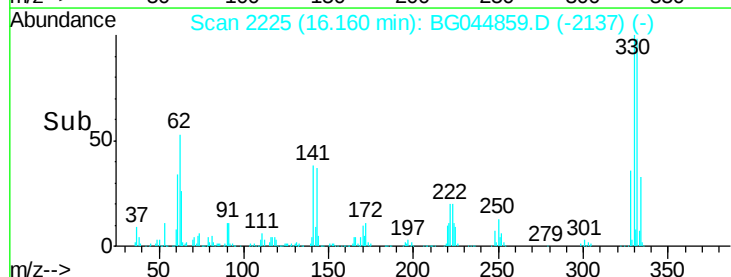
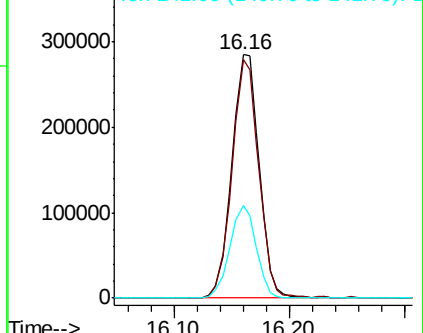
141 36.9 29.5 44.3

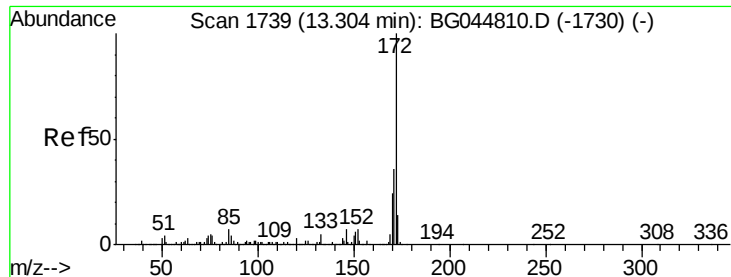


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

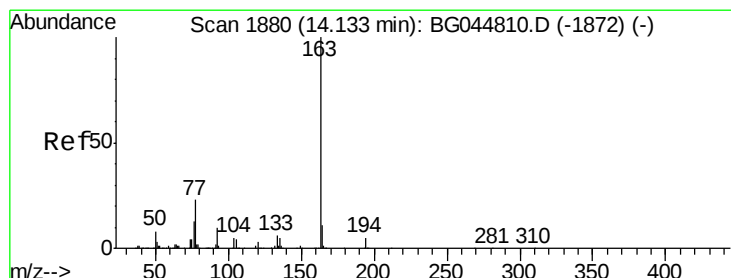
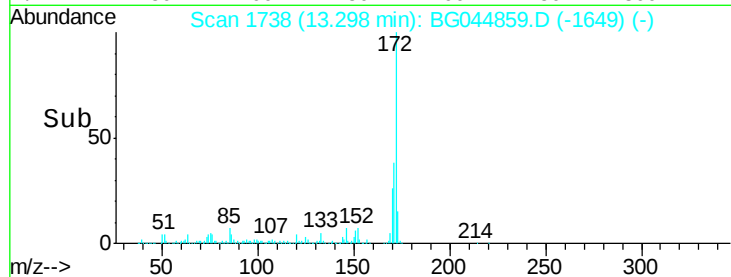
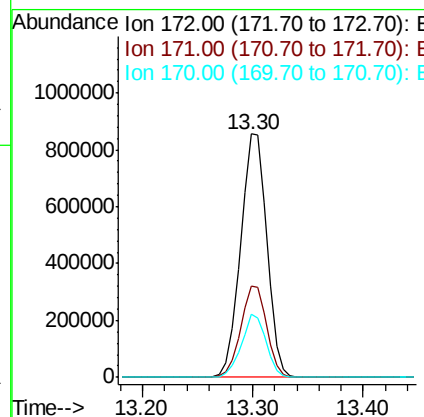
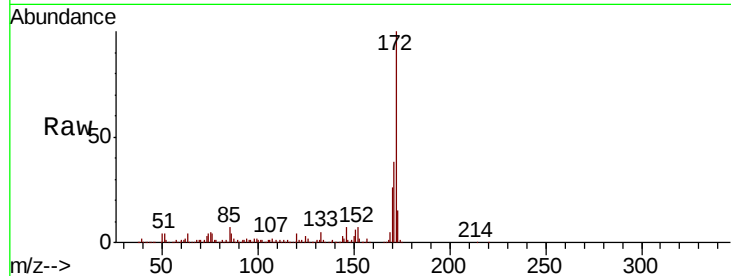




#45
2-Fluorobiphenyl
Concen: 84.401 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044859.D
Acq: 18 Mar 2020 10:20

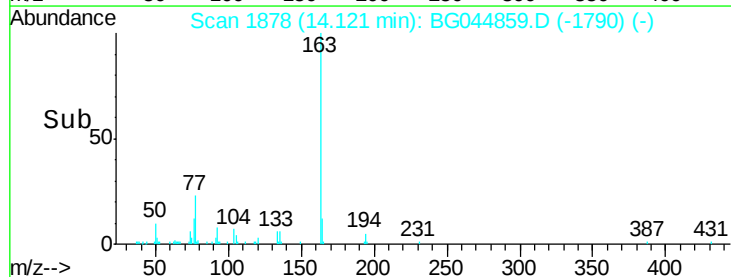
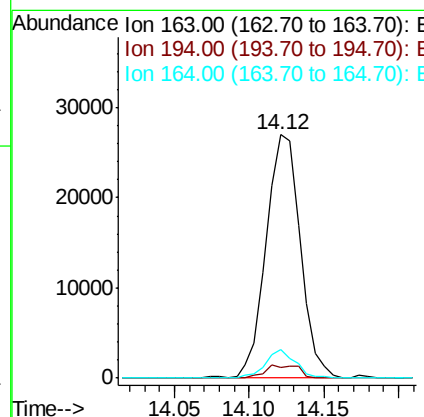
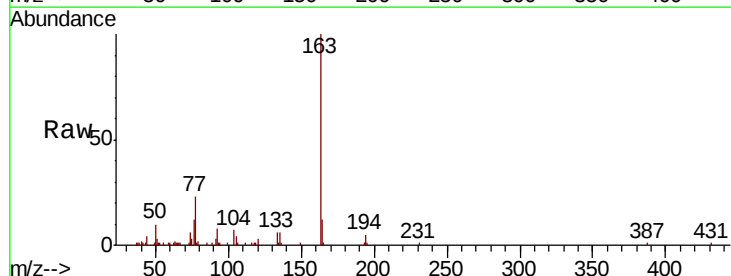
Instrument :
BNA_N
ClientSampled :

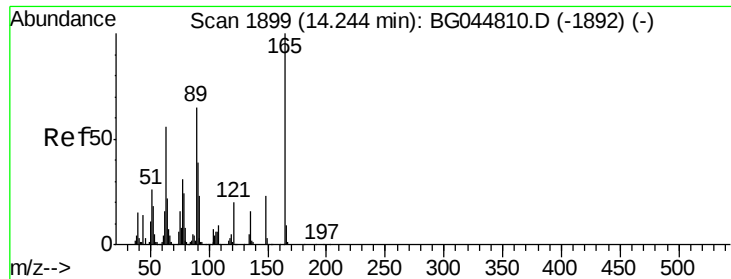
Tot Ion:172 Resp: 1431423
Ion Ratio Lower Upper
172 100
171 37.7 28.7 43.1
170 25.9 19.0 28.6



#50
Dimethylphthalate
Concen: 2.223 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044859.D
Acq: 18 Mar 2020 10:20

Tgt Ion:163 Resp: 42996
Ion Ratio Lower Upper
163 100
194 4.5 3.7 5.5
164 11.6 9.1 13.7

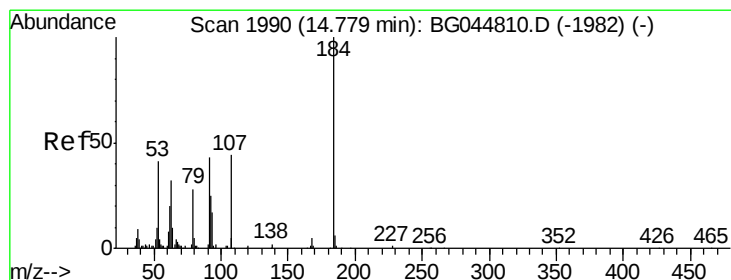
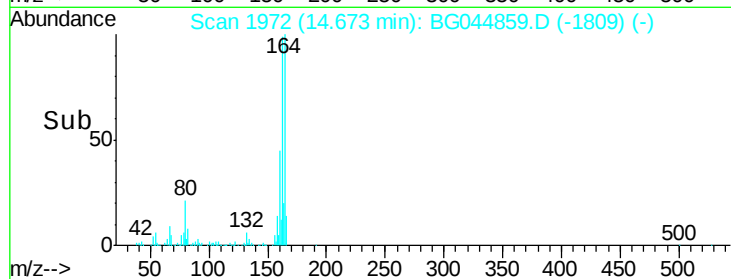
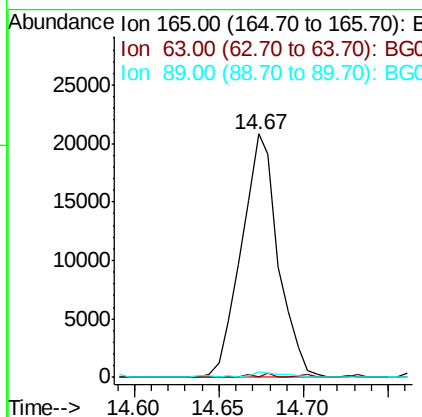
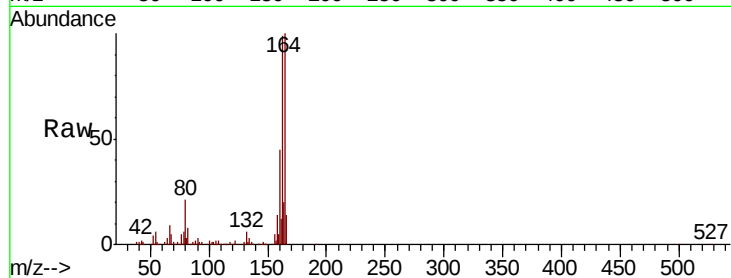




#51
 2,6-Dinitrotoluene
 Concen: 8.074 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.43 min
 Lab File: BG044859.D
 Acq: 18 Mar 2020 10:20

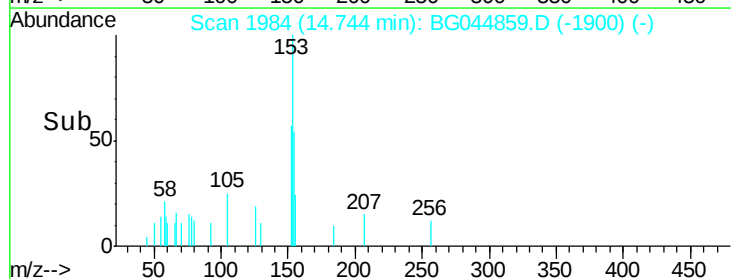
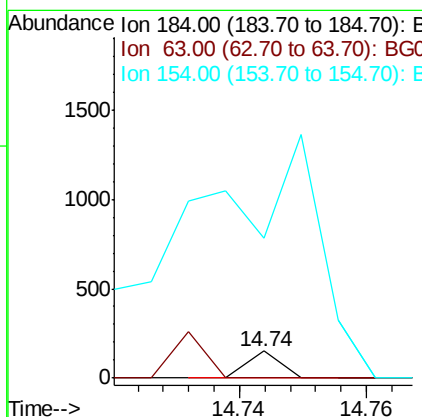
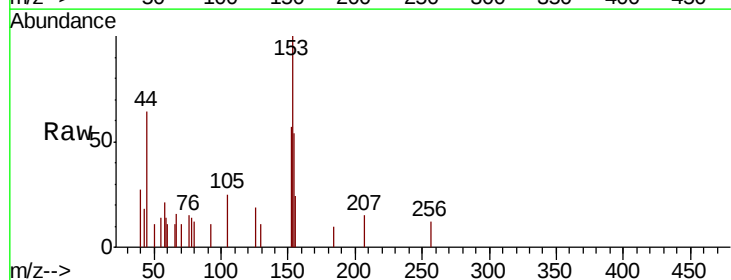
Instrument :
 BNA_N
 ClientSampleId :

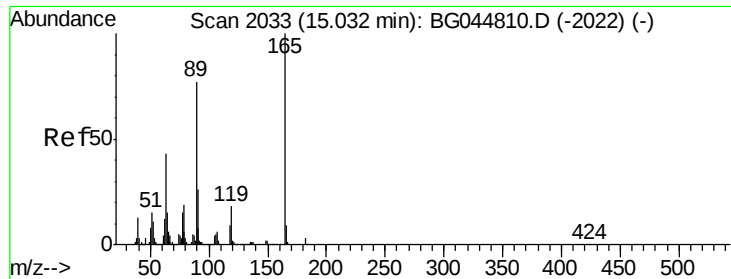
Tot Ion:165 Resp: 31480
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.8#
 89 2.2 51.8 77.6#



#54
 2,4-Dinitrophenol
 Concen: 8.346 ng
 RT: 14.74 min Scan# 1984
 Delta R.T. -0.04 min
 Lab File: BG044859.D
 Acq: 18 Mar 2020 10:20

Tgt Ion:184 Resp: 53
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.5 68.3#
 154 519.9 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 5.887 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

Instrument :

BNA_N

ClientSampleId :

Tot Ion:165 Resp: 31480

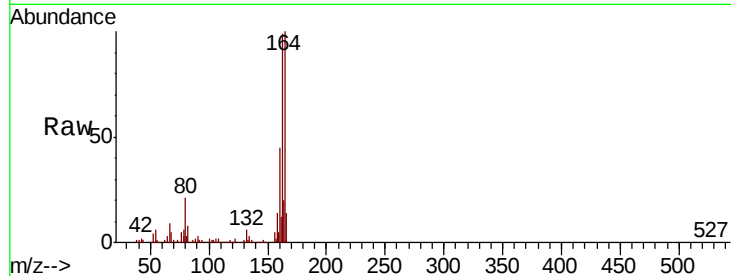
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 2.2 61.3 91.9#

182 0.0 2.2 3.2#

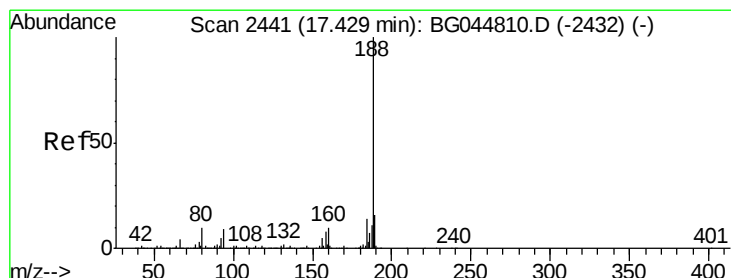
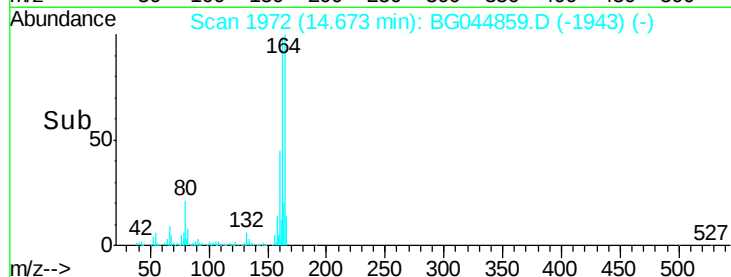
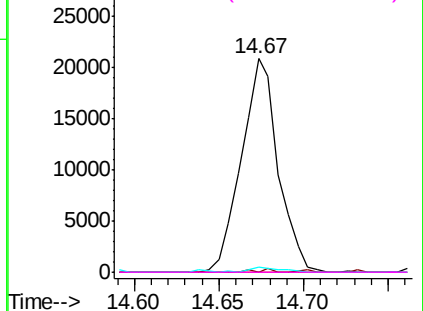


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

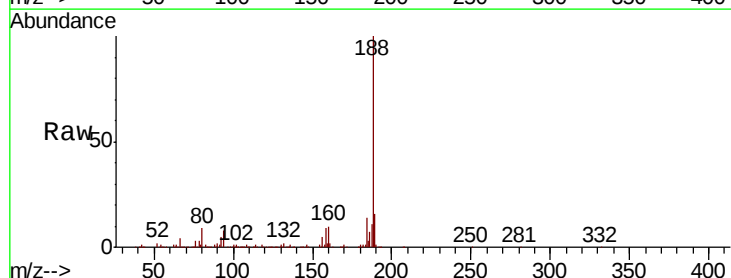
Tgt Ion:188 Resp: 561222

Ion Ratio Lower Upper

188 100

94 8.3 7.3 10.9

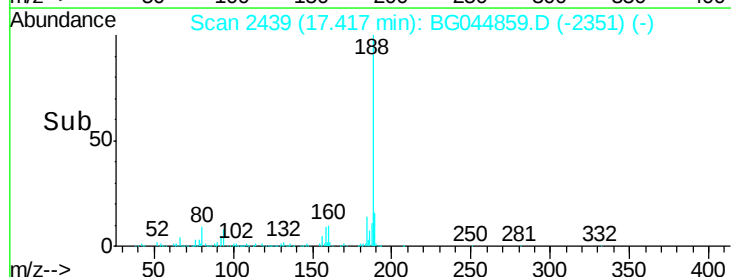
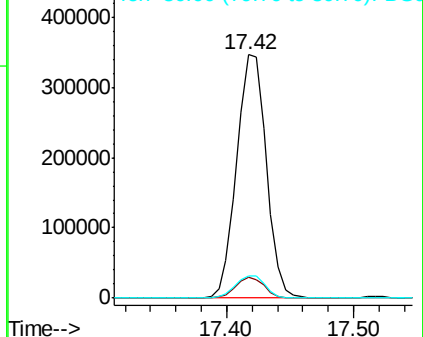
80 9.0 8.0 12.0

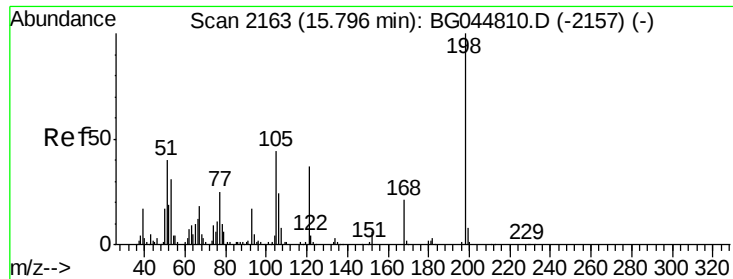


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

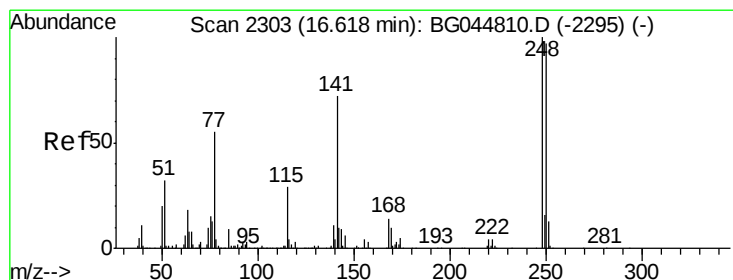
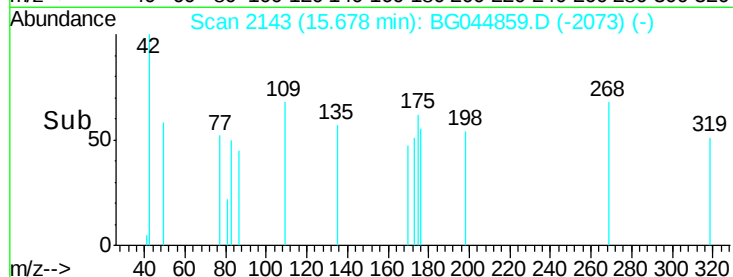
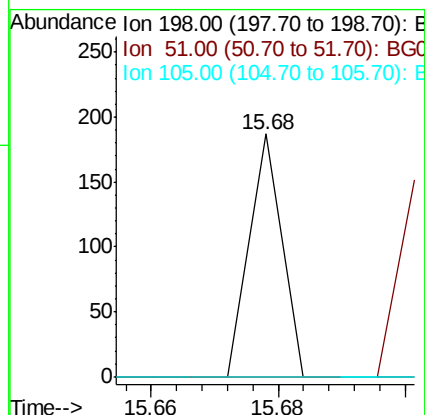
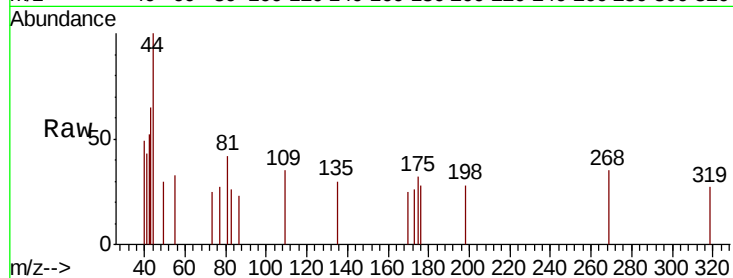




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.749 ng
 RT: 15.68 min Scan# 2143
 Delta R.T. -0.12 min
 Lab File: BG044859.D
 Acq: 18 Mar 2020 10:20

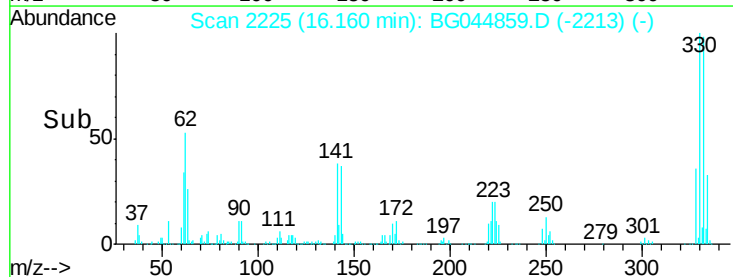
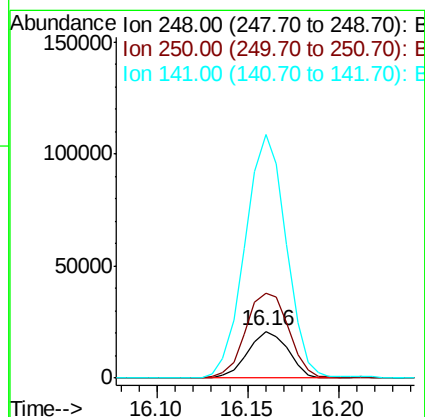
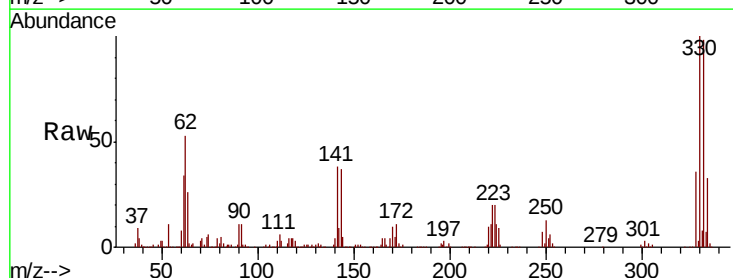
Instrument :
 BNA_N
 ClientSampleId :

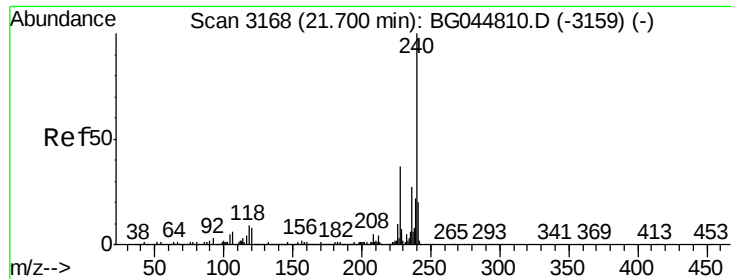
Tot Ion:198 Resp: 66
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#



#67
 4-Bromophenyl-phenylether
 Concen: 4.600 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044859.D
 Acq: 18 Mar 2020 10:20

Tgt Ion:248 Resp: 32277
 Ion Ratio Lower Upper
 248 100
 250 181.4 77.9 116.9#
 141 520.7 57.5 86.3#

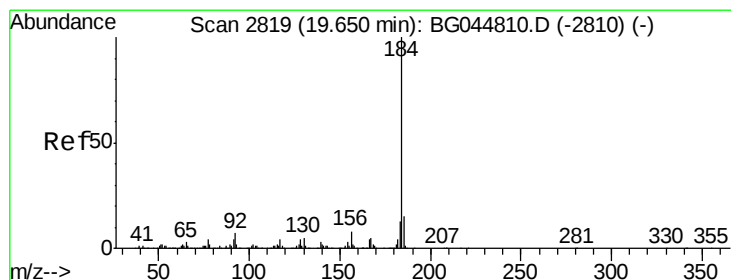
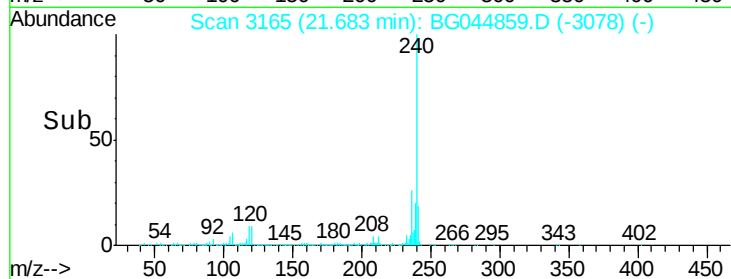
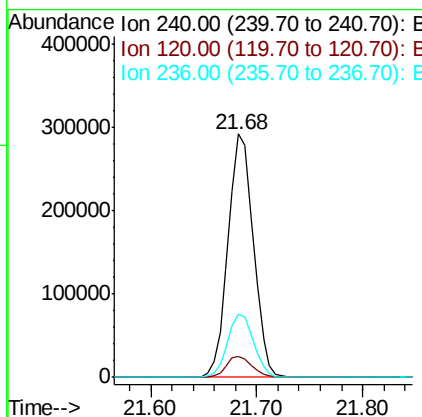
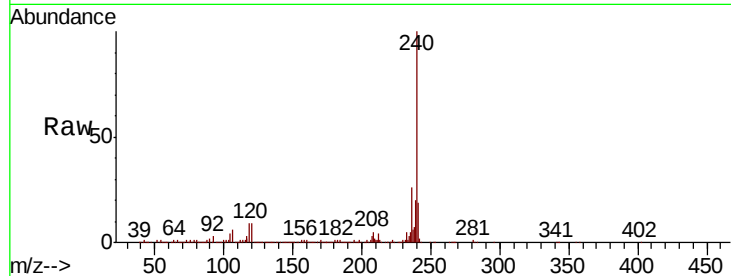




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044859.D
 Acq: 18 Mar 2020 10:20

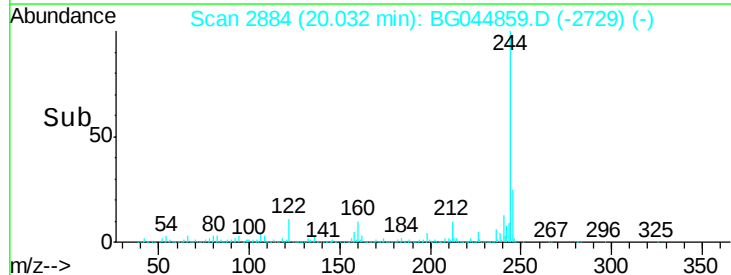
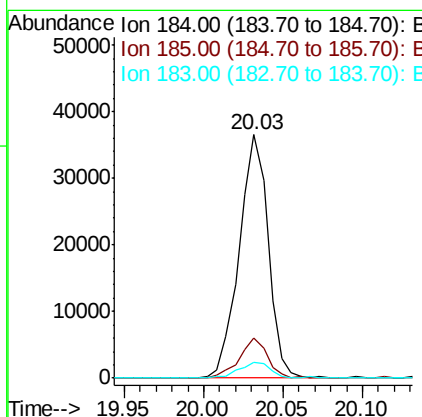
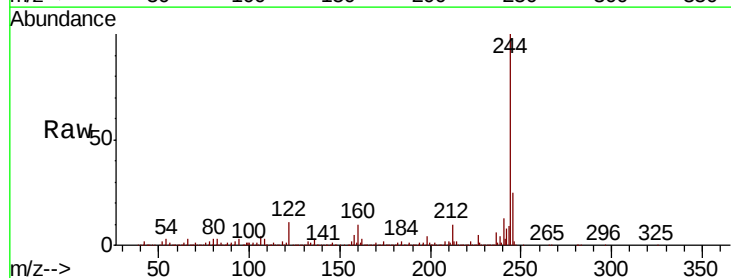
Instrument :
 BNA_N
 ClientSampleId :

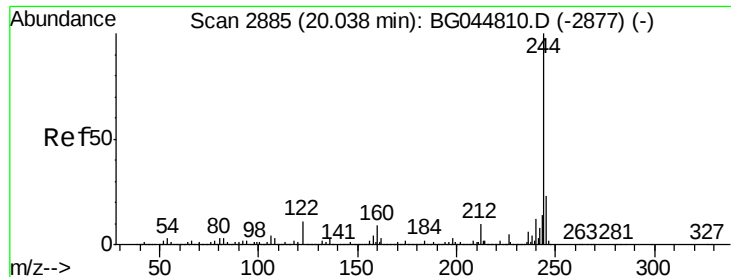
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.7	10.1
236	26.0	21.5	32.3



#77
 Benzidine
 Concen: 2.953 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.38 min
 Lab File: BG044859.D
 Acq: 18 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.6	12.2	18.4
183	6.5	10.7	16.1#





#79

Terphenyl-d14

Concen: 88.595 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

Instrument :

BNA_N

ClientSampleId :

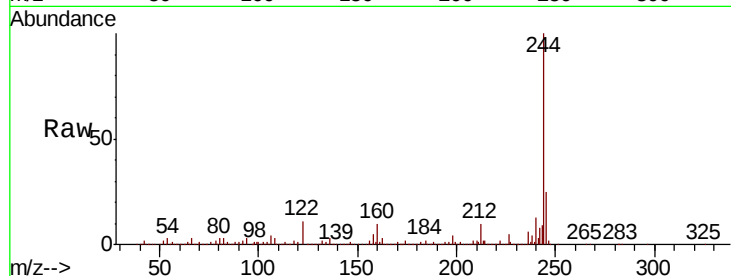
Tot Ion:244 Resp: 2289772

Ion Ratio Lower Upper

244 100

212 10.2 7.7 11.5

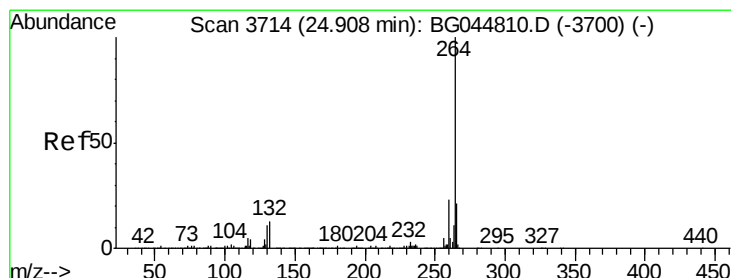
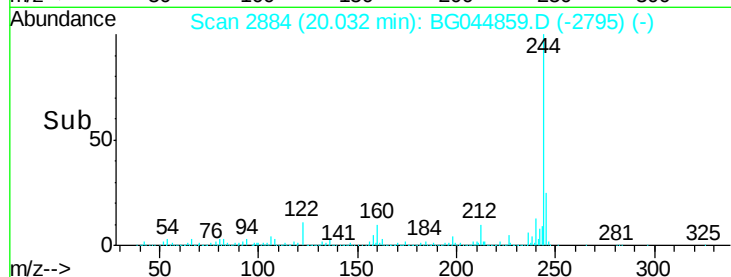
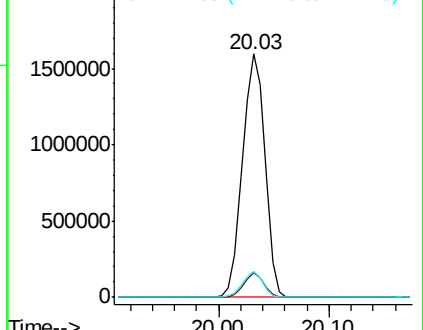
122 10.7 8.6 12.8



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: 24.89 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG044859.D

Acq: 18 Mar 2020 10:20

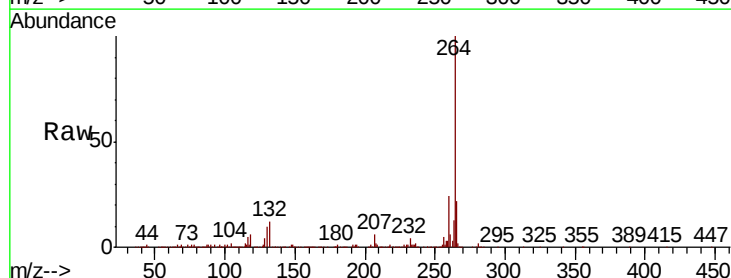
Tgt Ion:264 Resp: 541803

Ion Ratio Lower Upper

264 100

260 23.9 18.1 27.1

265 22.4 17.1 25.7



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

