

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040720\
 Data File : BG044964.D
 Acq On : 7 Apr 2020 21:00
 Operator : CG/JU
 Sample : L2166-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-45-COMP

Quant Time: Apr 08 02:24:26 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 23 07:18:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	90391	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	343402	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	232655	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	535499	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	507932	20.00	ng	-0.02
87) Perylene-d12	24.89	264	548057	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	737706	127.05	ng	0.00
7) Phenol-d6	7.20	99	910663	107.94	ng	0.00
23) Nitrobenzene-d5	9.20	82	783856	100.16	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	527372	173.12	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1731596	106.58	ng	0.00
79) Terphenyl-d14	20.03	244	2575958	94.86	ng	0.00

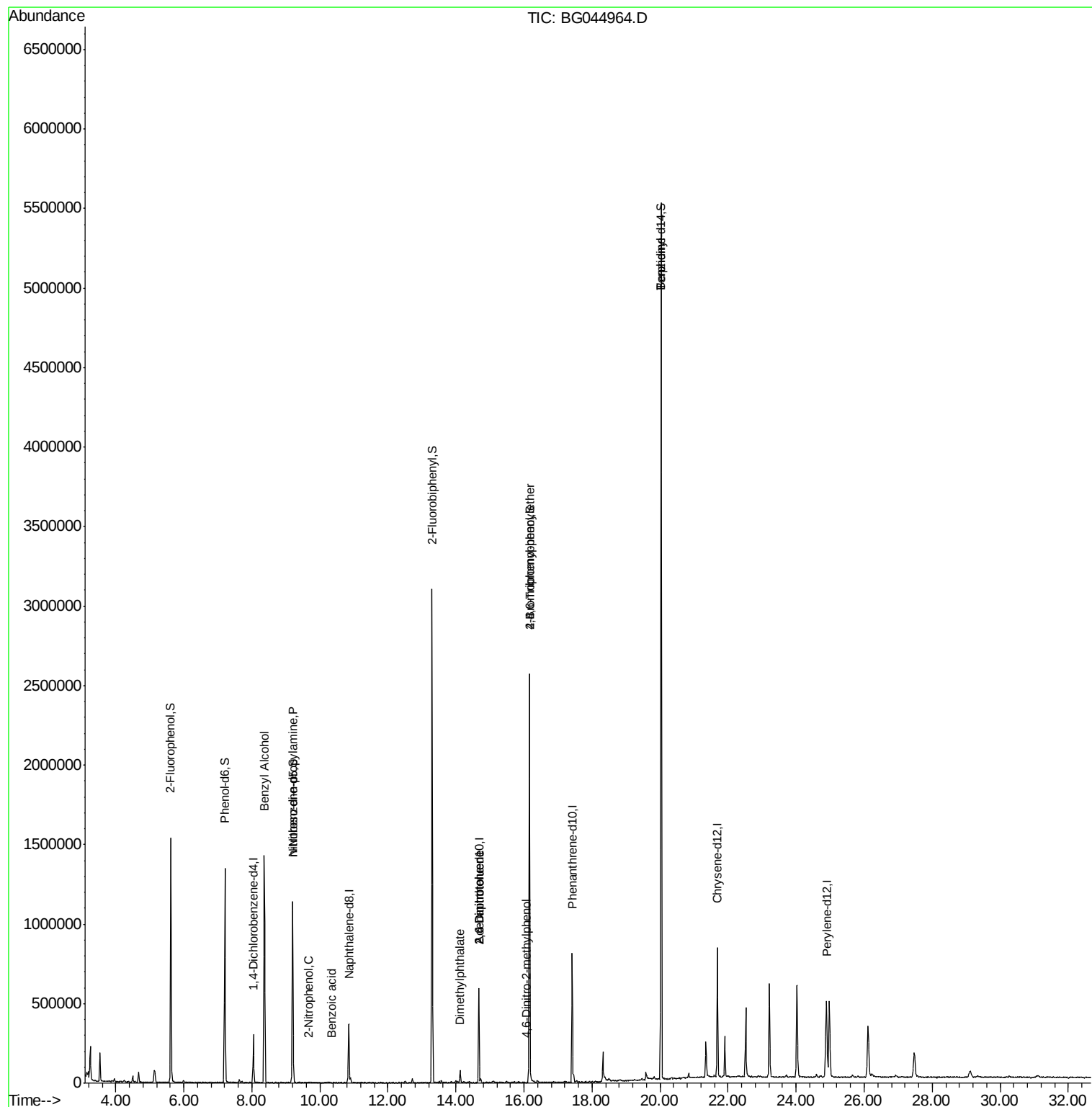
Target Compounds				Qvalue		
9) Benzaldehyde	7.14	77	686	Below Cal	#	1
15) Benzyl Alcohol	8.37	79	13541	2.00 ng	#	62
19) n-Nitroso-di-n-propylamine	9.19	70	105324	17.68 ng	#	69
26) 2-Nitrophenol	9.66	139	55	5.53 ng	#	28
32) Benzoic acid	10.33	122	440	9.76 ng		91
50) Dimethylphthalate	14.12	163	58114	3.14 ng		98
51) 2,6-Dinitrotoluene	14.67	165	30017	8.04 ng	#	22
57) 2,4-Dinitrotoluene	14.67	165	30017	5.86 ng	#	22
65) 4,6-Dinitro-2-methylphenol	16.07	198	77	7.75 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	34796	5.20 ng	#	1
77) Benzidine	20.03	184	51204	3.11 ng	#	92

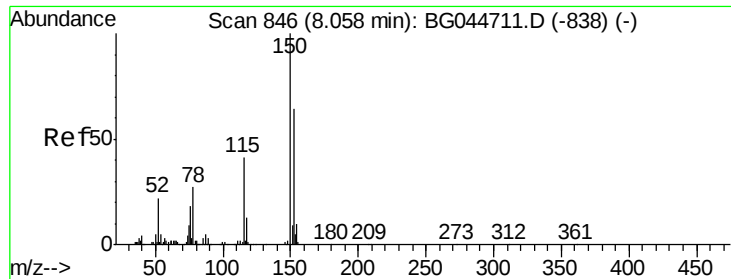
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-45-COMP

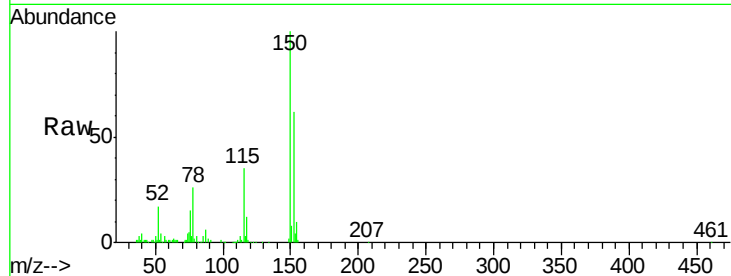
Tgt Ion:152 Resp: 90391

Ion Ratio Lower Upper

152 100

150 160.0 128.8 193.2

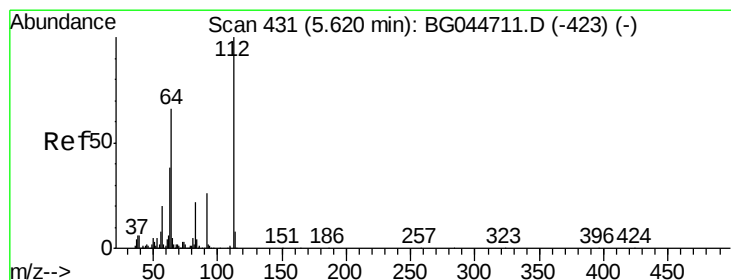
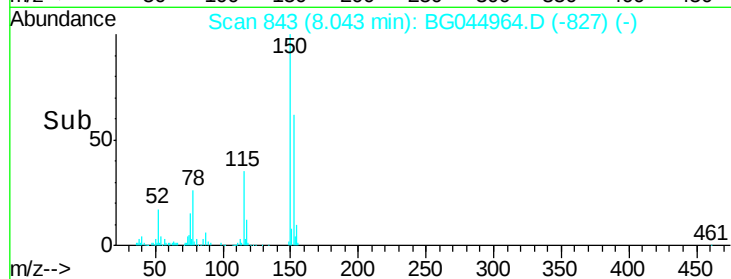
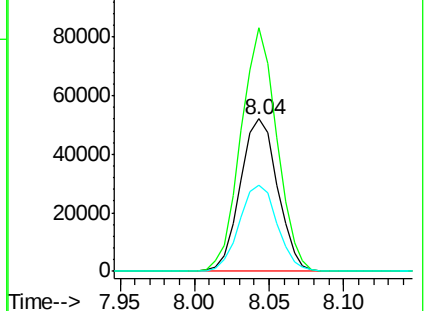
115 56.6 52.6 79.0



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: 127.05 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

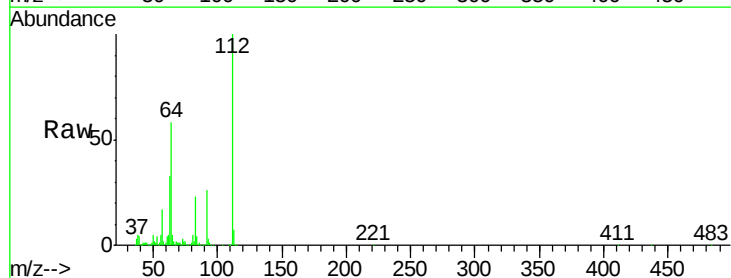
Tgt Ion:112 Resp: 737706

Ion Ratio Lower Upper

112 100

64 58.4 53.4 80.2

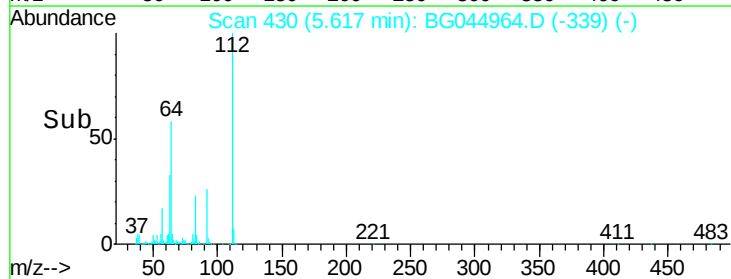
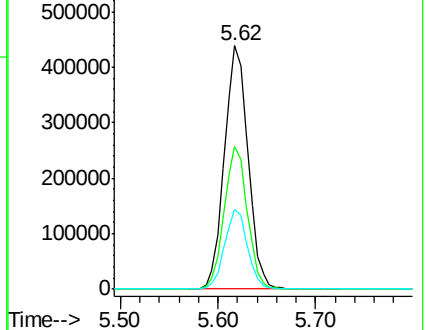
63 32.5 29.4 44.2

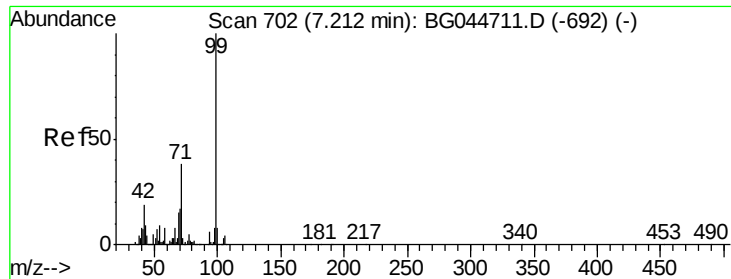


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 107.94 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-45-COMP

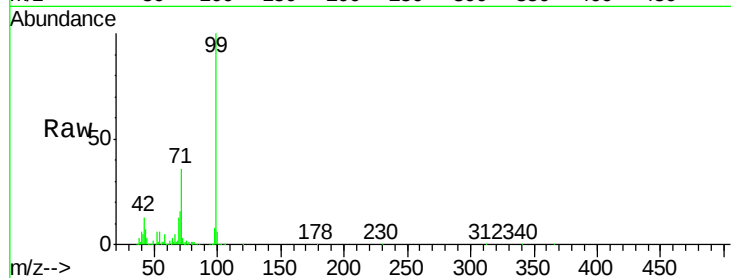
Tgt Ion: 99 Resp: 910663

Ion Ratio Lower Upper

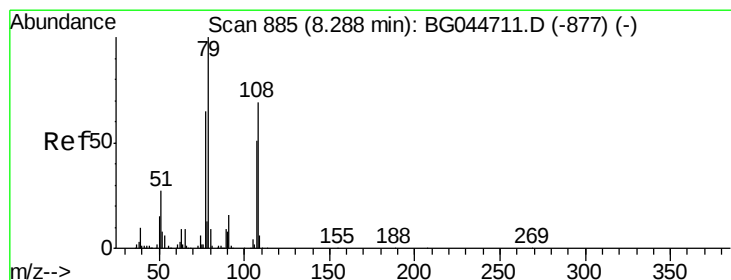
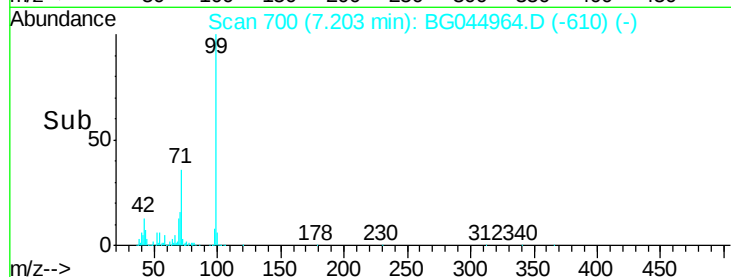
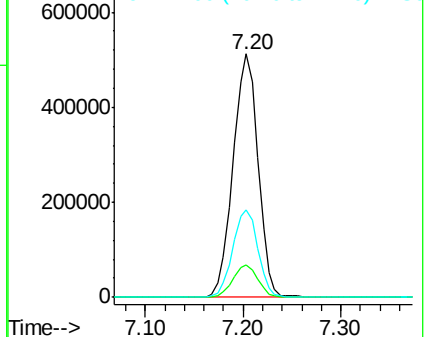
99 100

42 13.2 12.6 19.0

71 35.7 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



#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 8.37 min Scan# 898

Delta R.T. 0.09 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

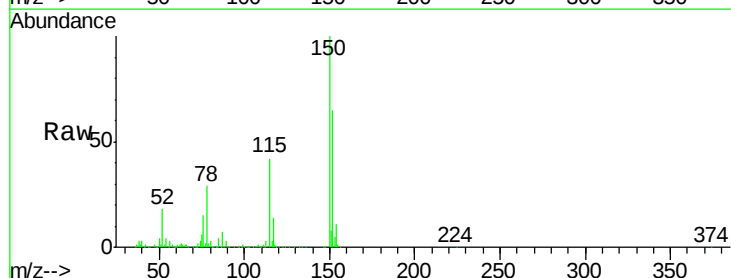
Tgt Ion: 79 Resp: 13541

Ion Ratio Lower Upper

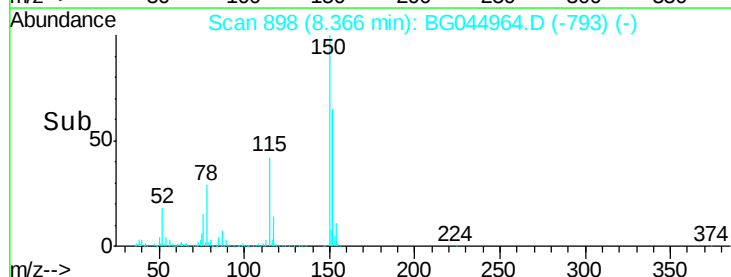
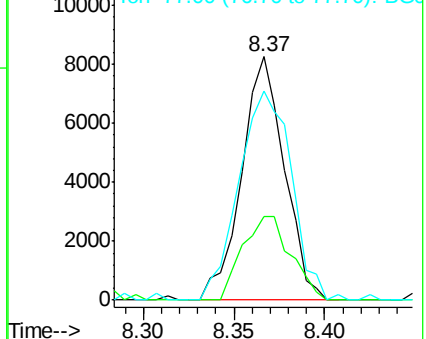
79 100

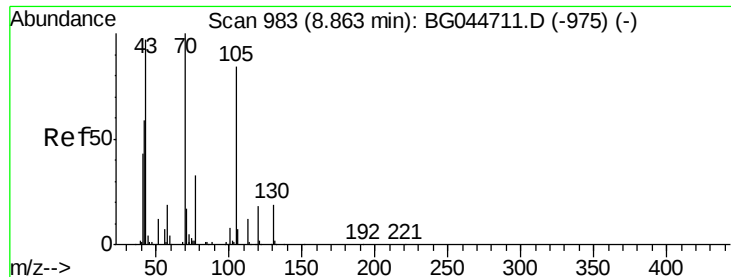
108 34.3 53.8 80.8#

77 85.7 47.8 71.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

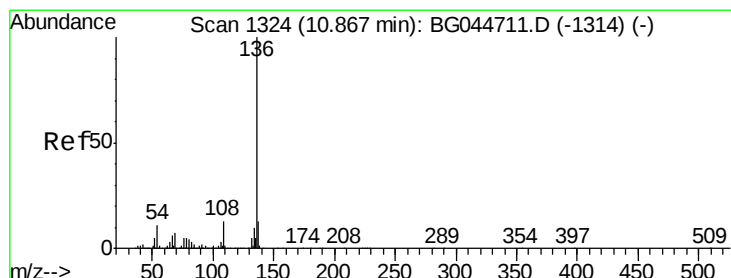
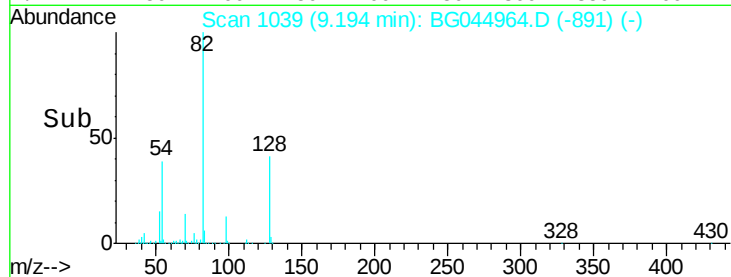
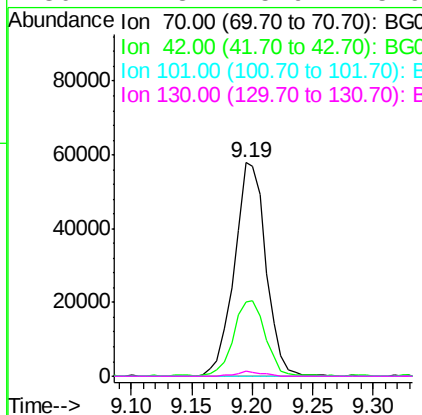
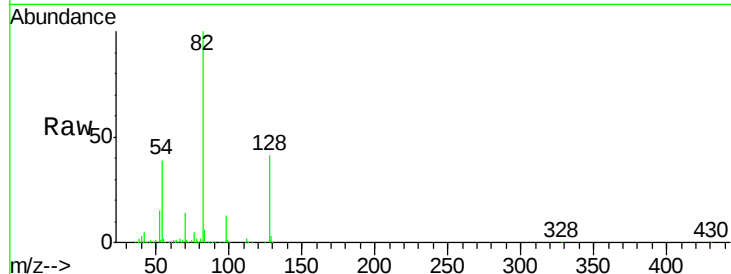




#19
n-Nitroso-di-n-propylamine
Concen: 17.68 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.34 min
Lab File: BG044964.D
Acq: 7 Apr 2020 21:00

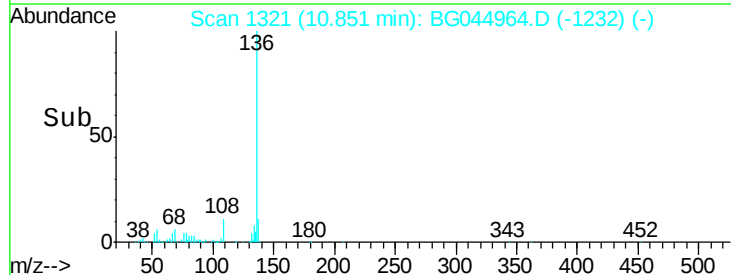
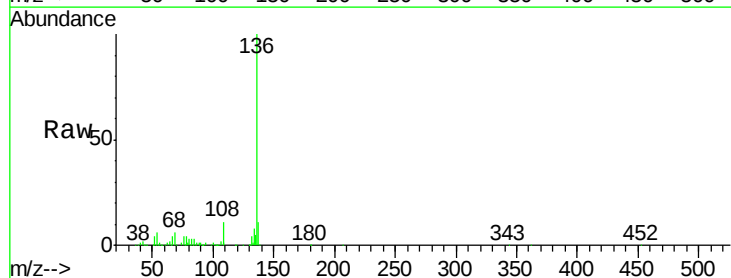
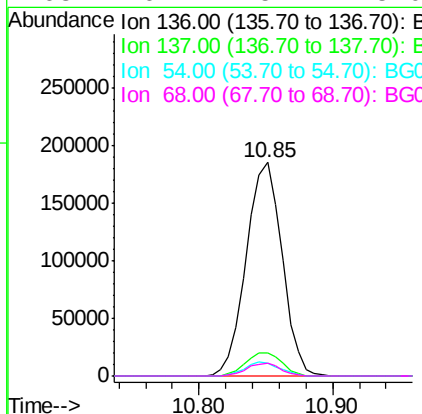
Instrument :
BNA_G
ClientSampleId :
TP-45-COMP

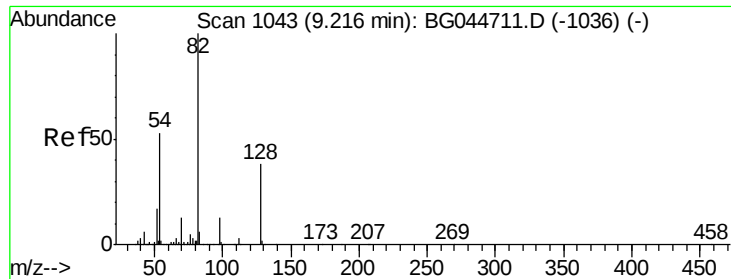
Tgt Ion: 70 Resp: 105324
Ion Ratio Lower Upper
70 100
42 34.9 45.7 68.5#
101 0.0 7.4 11.2#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044964.D
Acq: 7 Apr 2020 21:00

Tgt Ion: 136 Resp: 343402
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 5.9 7.9 11.9#
68 6.1 5.4 8.0

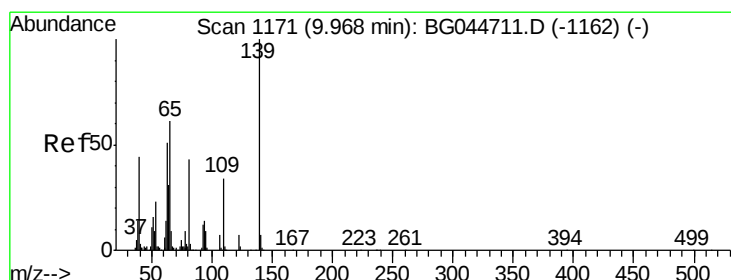
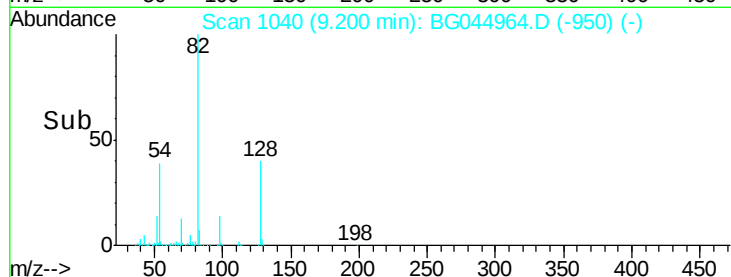
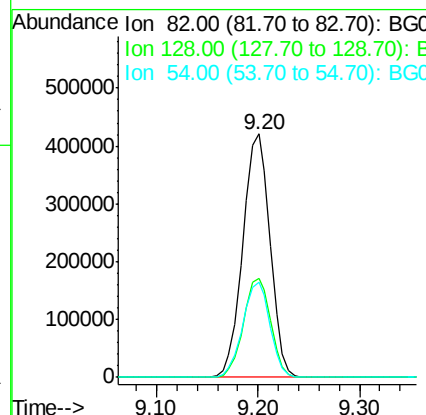
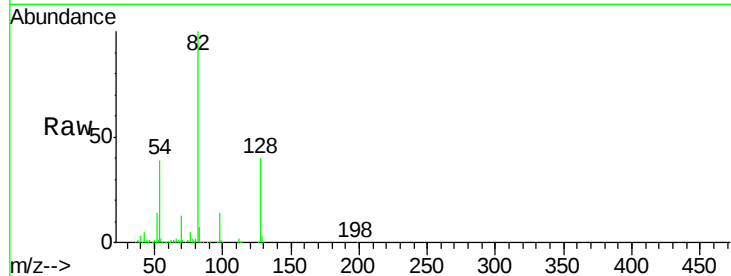




#23
 Nitrobenzene-d5
 Concen: 100.16 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG044964.D
 Acq: 7 Apr 2020 21:00

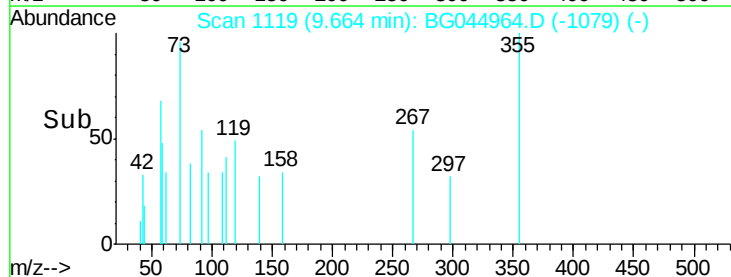
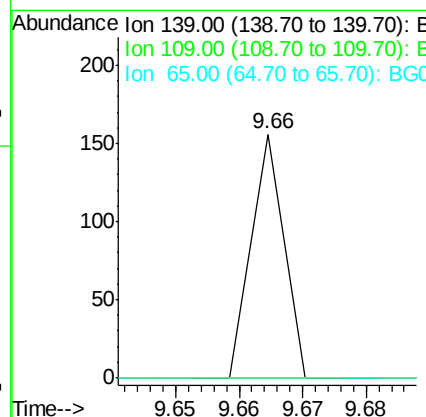
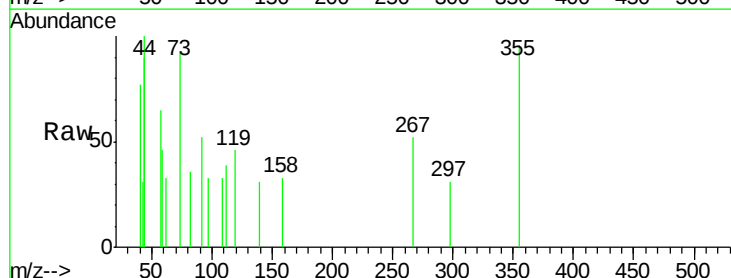
Instrument :
 BNA_G
 ClientSampled :
 TP-45-COMP

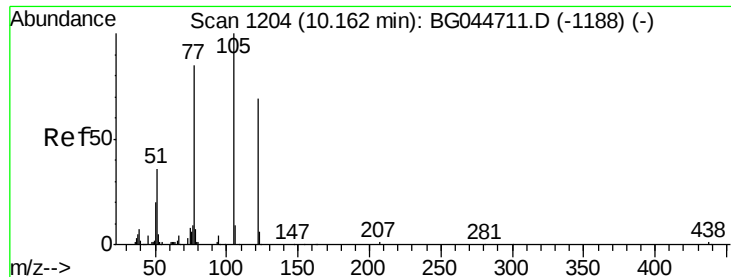
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.4	30.6	46.0
54	39.0	37.1	55.7



#26
 2-Nitrophenol
 Concen: 5.53 ng
 RT: 9.66 min Scan# 1119
 Delta R.T. -0.30 min
 Lab File: BG044964.D
 Acq: 7 Apr 2020 21:00

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





#32

Benzoic acid

Concen: 9.76 ng

RT: 10.33 min Scan# 1233

Delta R.T. 0.19 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-45-COMP

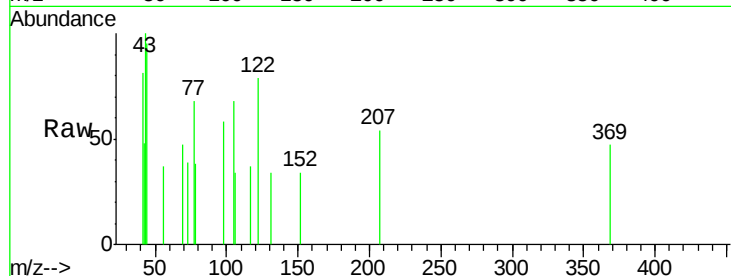
Tgt Ion:122 Resp: 440

Ion Ratio Lower Upper

122 100

105 129.3 109.1 149.1

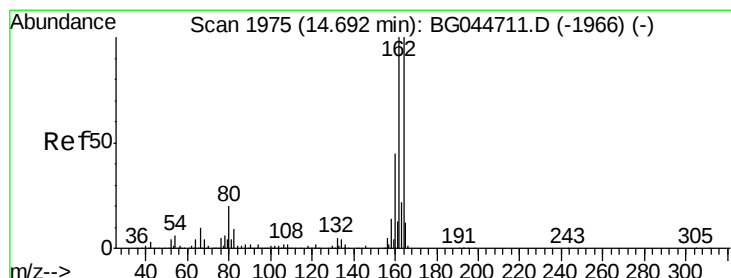
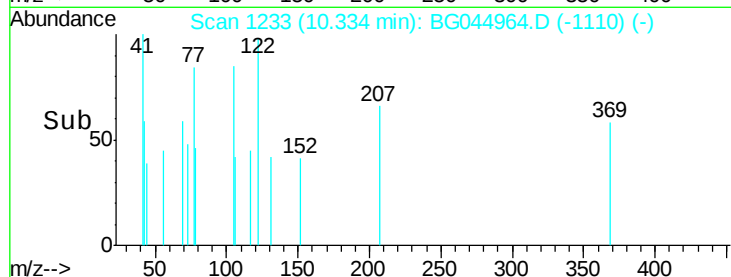
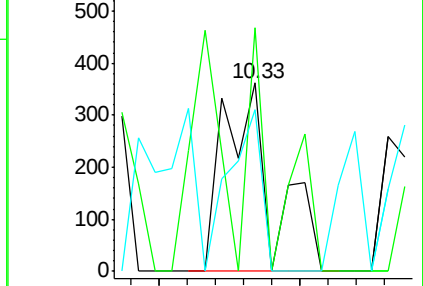
77 85.9 85.3 125.3



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: 20.00 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.02 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

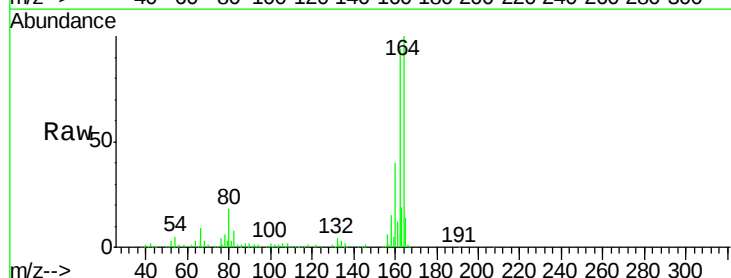
Tgt Ion:164 Resp: 232655

Ion Ratio Lower Upper

164 100

162 93.7 76.7 115.1

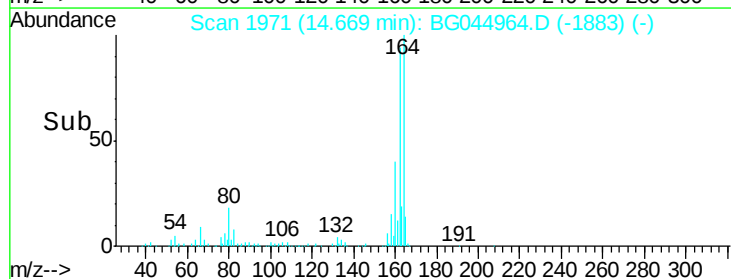
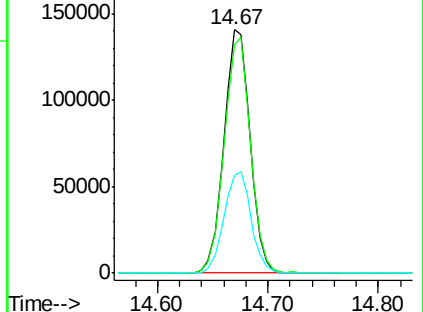
160 40.2 35.0 52.4

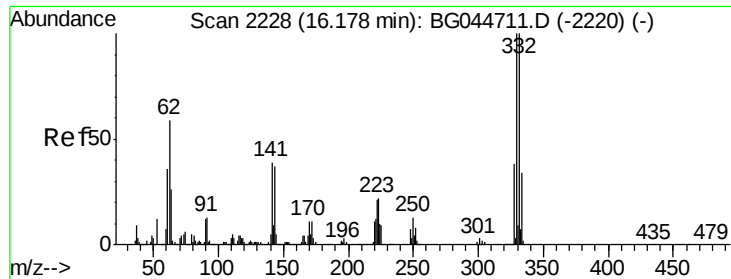


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

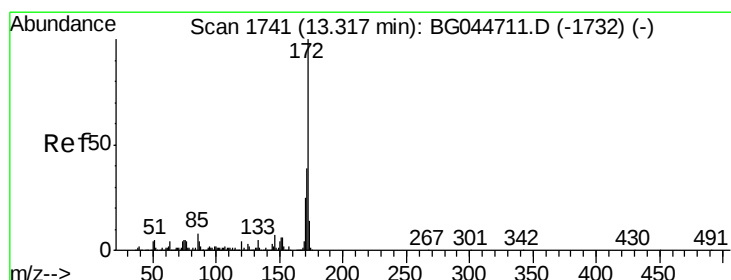
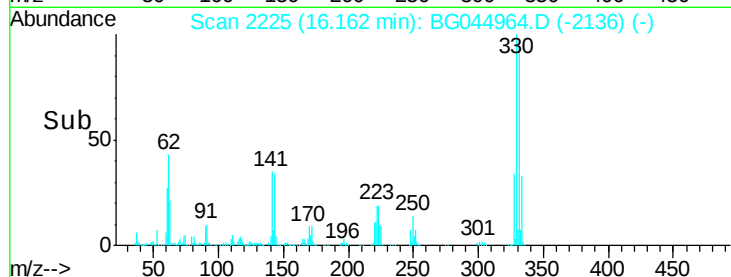
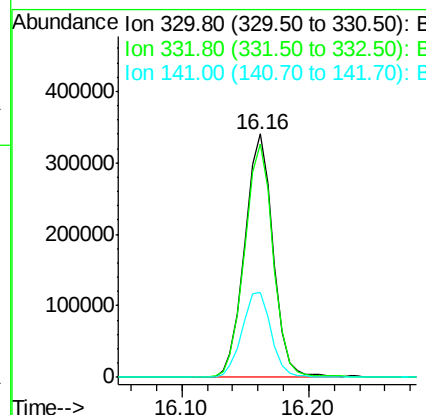
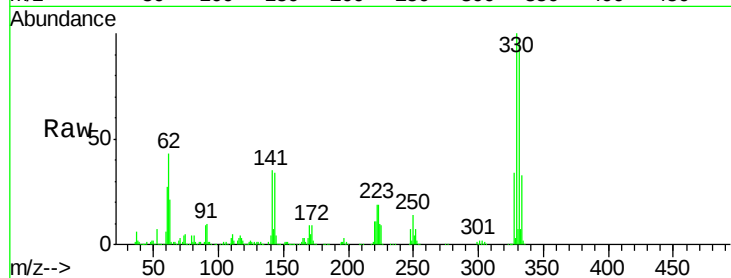




#42
 2,4,6-Tribromophenol
 Concen: 173.12 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG044964.D
 Acq: 7 Apr 2020 21:00

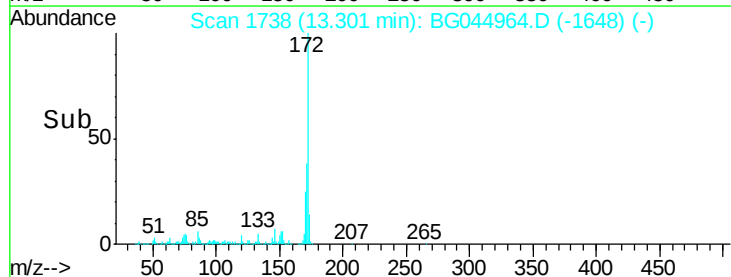
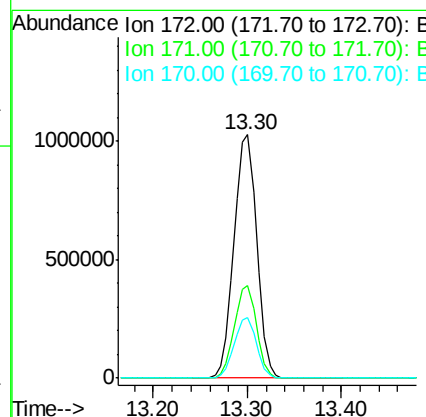
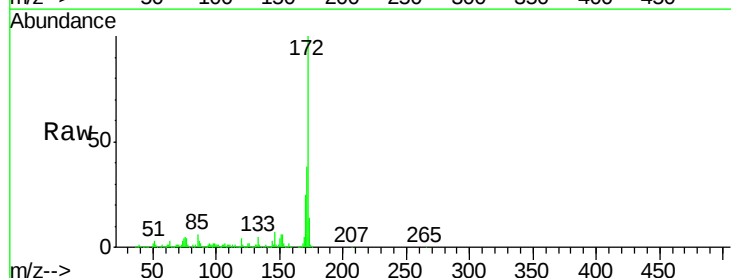
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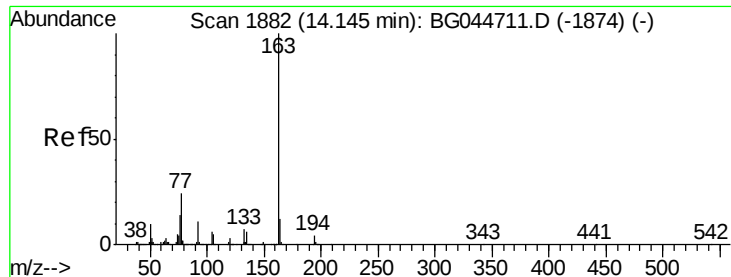
Tgt Ion:330 Resp: 527372
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.8 116.6
 141 35.9 29.5 44.3



#45
 2-Fluorobiphenyl
 Concen: 106.58 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG044964.D
 Acq: 7 Apr 2020 21:00

Tgt Ion:172 Resp: 1731596
 Ion Ratio Lower Upper
 172 100
 171 38.0 28.7 43.1
 170 24.9 19.0 28.6





#50

Dimethylphthalate

Concen: 3.14 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.02 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-45-COMP

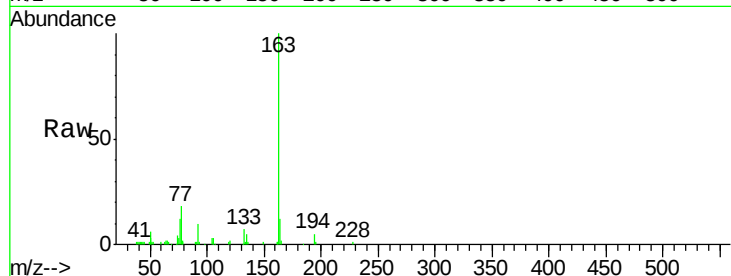
Tgt Ion:163 Resp: 58114

Ion Ratio Lower Upper

163 100

194 5.0 3.7 5.5

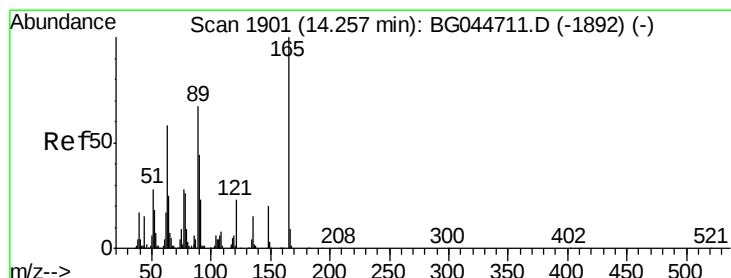
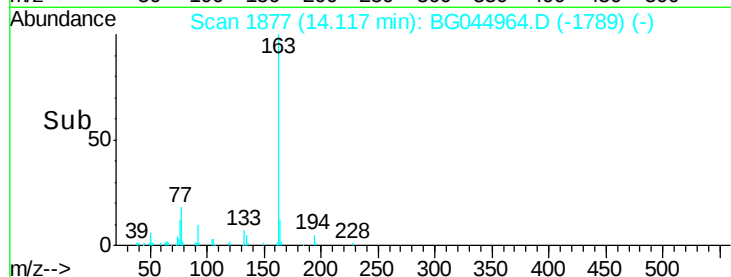
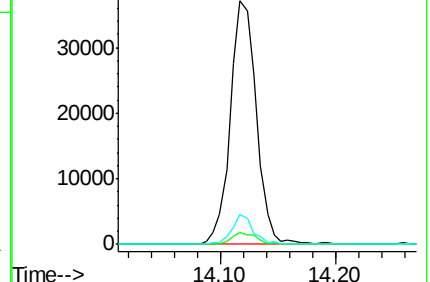
164 12.1 9.1 13.7



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: 8.04 ng

RT: 14.67 min Scan# 1971

Delta R.T. 0.43 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

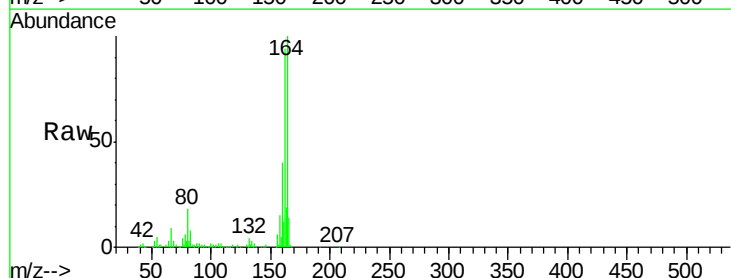
Tgt Ion:165 Resp: 30017

Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

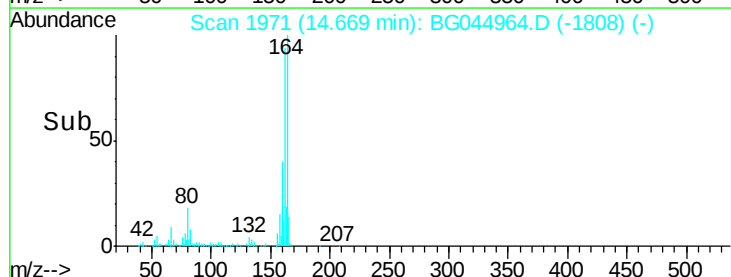
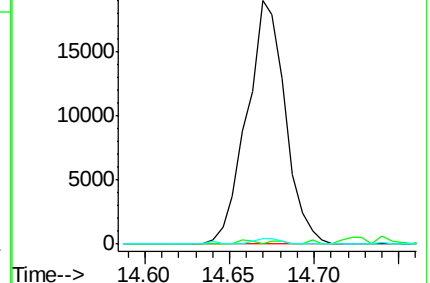
89 2.4 51.8 77.6#

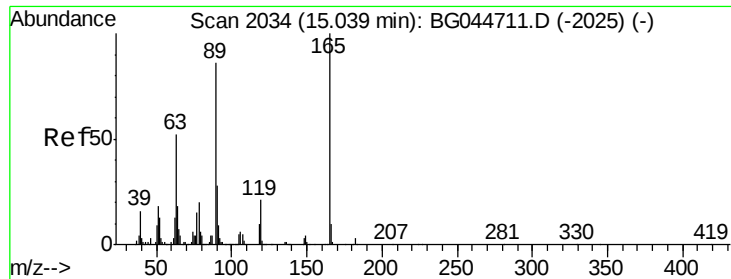


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

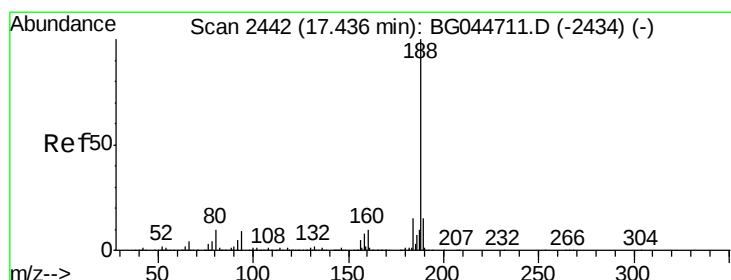
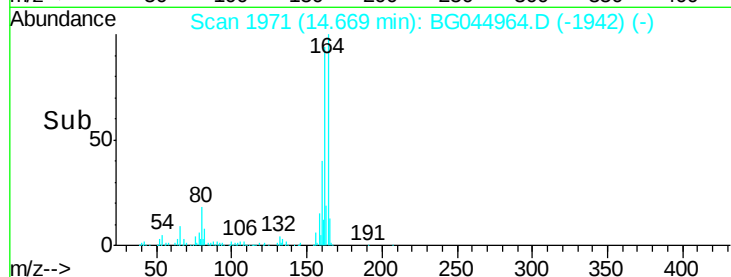
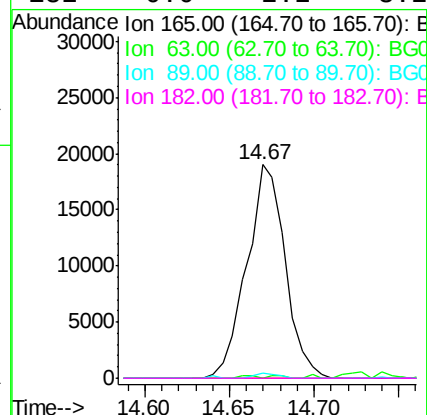
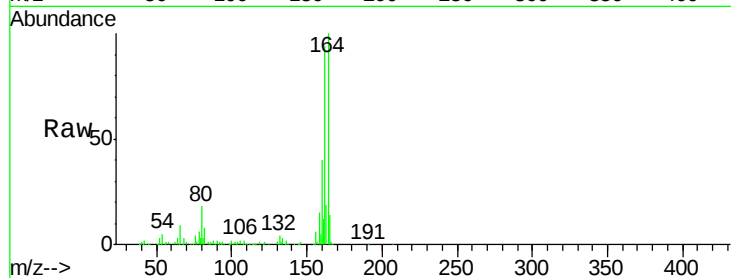




#57
 2,4-Dinitrotoluene
 Concen: 5.86 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.36 min
 Lab File: BG044964.D
 Acq: 7 Apr 2020 21:00

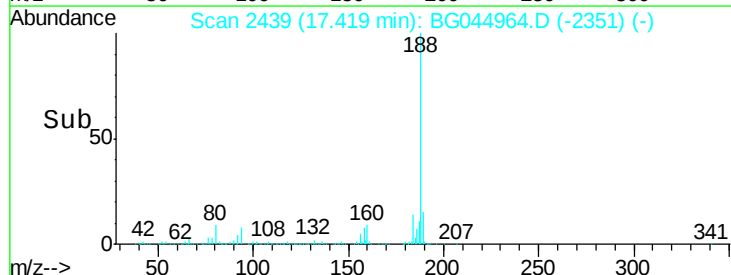
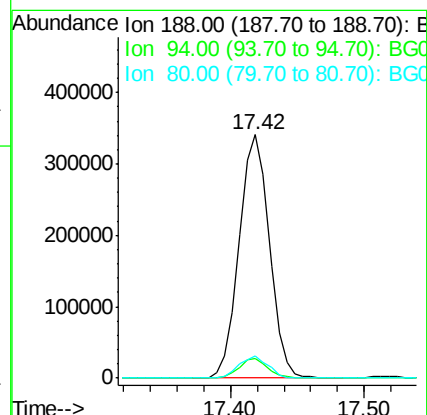
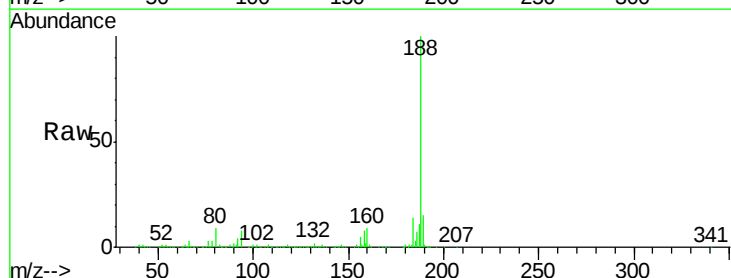
Instrument :
 BNA_G
 ClientSampleId :
 TP-45-COMP

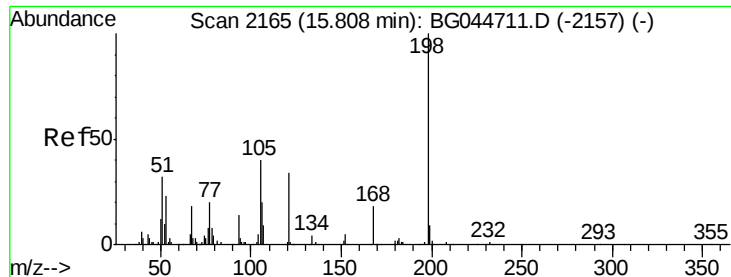
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.6	52.0#
89	2.4	61.3	91.9#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: BG044964.D
 Acq: 7 Apr 2020 21:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.3	10.9
80	9.2	8.0	12.0

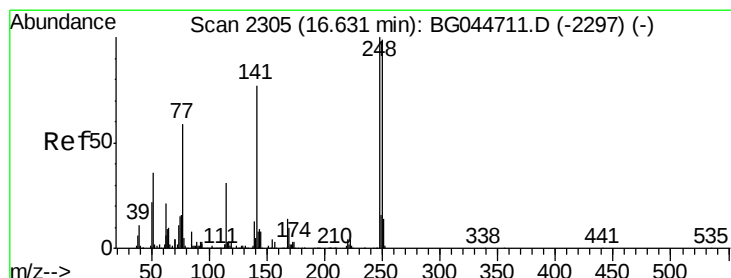
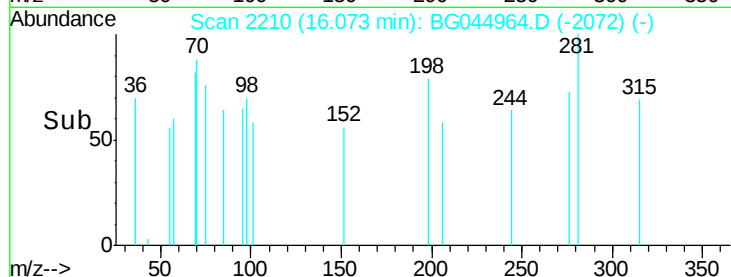
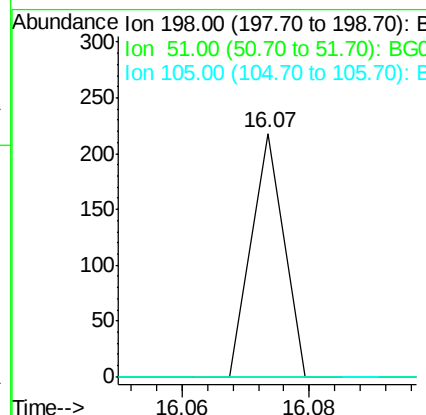
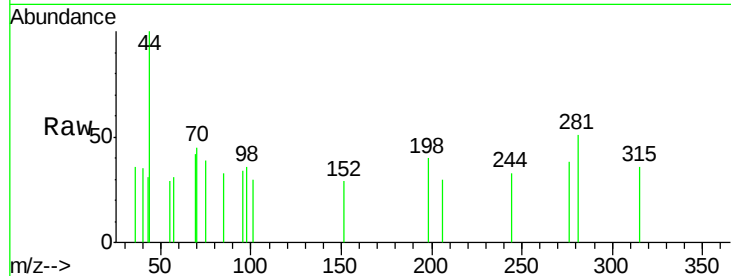




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.75 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. 0.28 min
 Lab File: BG044964.D
 Acq: 7 Apr 2020 21:00

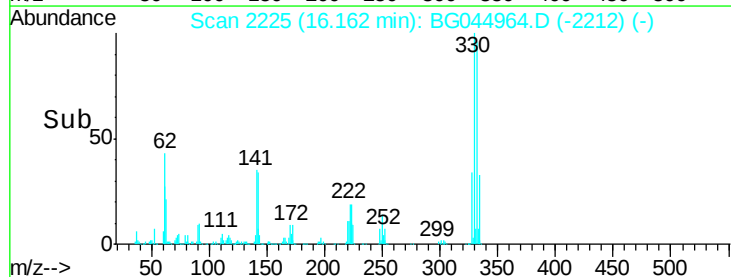
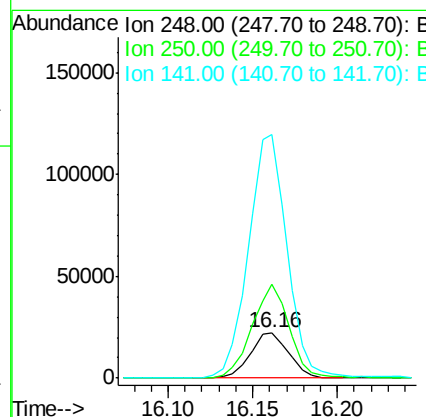
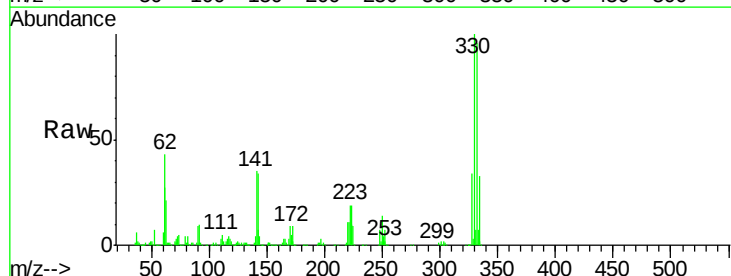
Instrument :
 BNA_G
 ClientSampleId :
 TP-45-COMP

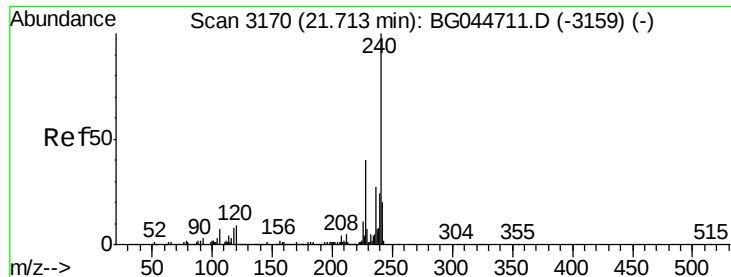
Tgt Ion:198 Resp: 77
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#



#67
 4-Bromophenyl-phenylether
 Concen: 5.20 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044964.D
 Acq: 7 Apr 2020 21:00

Tgt Ion:248 Resp: 34796
 Ion Ratio Lower Upper
 248 100
 250 207.2 77.9 116.9#
 141 534.6 57.5 86.3#





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-45-COMP

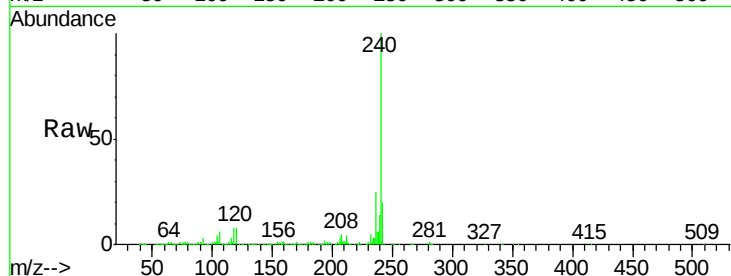
Tgt Ion:240 Resp: 507932

Ion Ratio Lower Upper

240 100

120 8.2 6.7 10.1

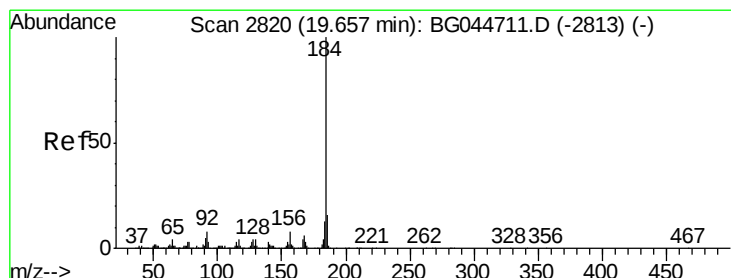
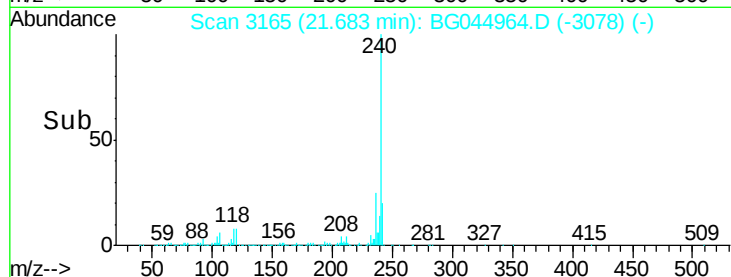
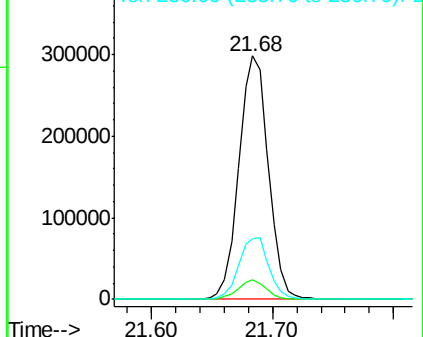
236 25.1 21.5 32.3



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: 3.11 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

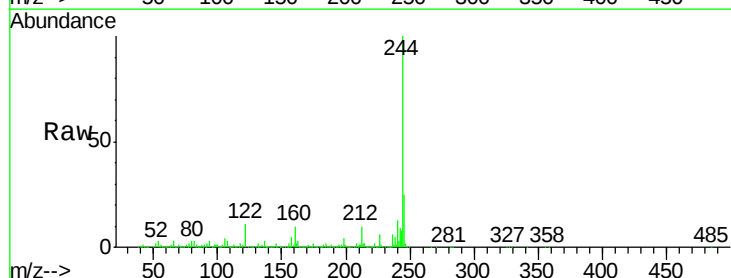
Tgt Ion:184 Resp: 51204

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.4

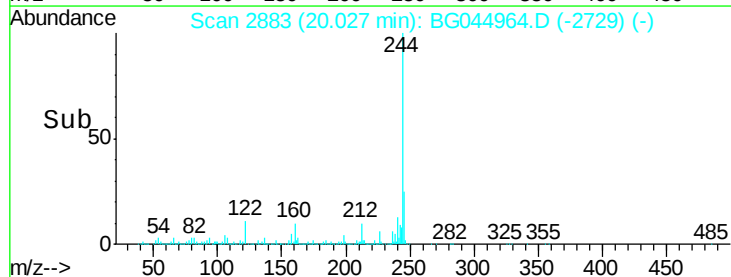
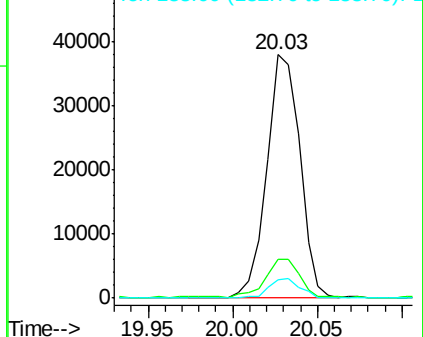
183 7.5 10.7 16.1#

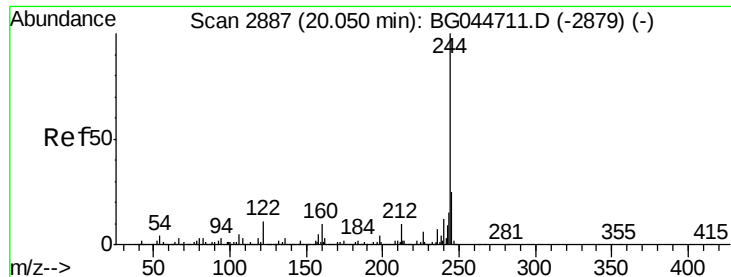


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 94.86 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-45-COMP

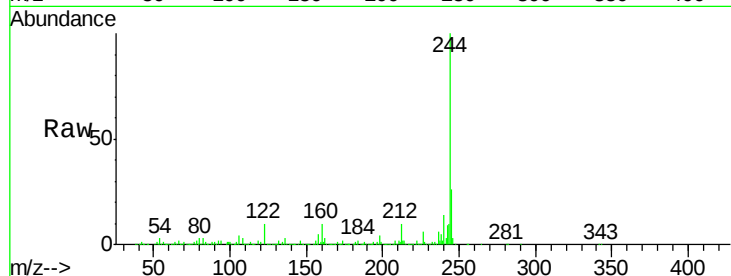
Tgt Ion:244 Resp: 2575958

Ion Ratio Lower Upper

244 100

212 10.4 7.7 11.5

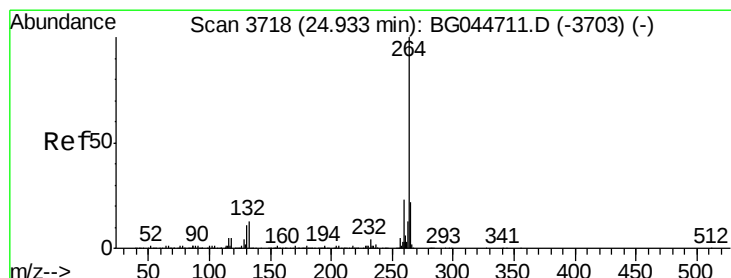
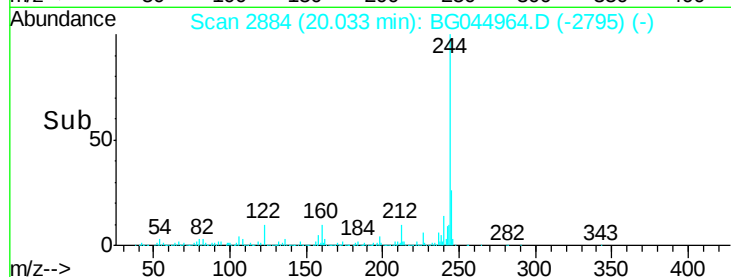
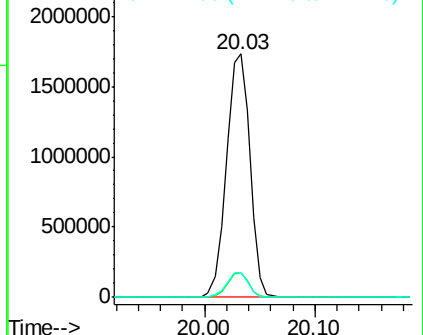
122 10.1 8.6 12.8



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: 20.00 ng

RT: 24.89 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG044964.D

Acq: 7 Apr 2020 21:00

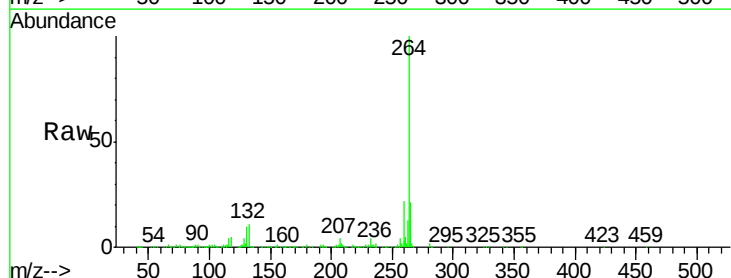
Tgt Ion:264 Resp: 548057

Ion Ratio Lower Upper

264 100

260 22.4 18.1 27.1

265 20.7 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

