

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044804.D
 Acq On : 14 Mar 2020 21:00
 Operator : CG/JU
 Sample : L1893-16
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-SA

Quant Time: Mar 16 01:38:41 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	105016	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	425188	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	277996	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	582652	20.00	ng	0.00
76) Chrysene-d12	21.70	240	502103	20.00	ng	-0.01
87) Perylene-d12	24.91	264	564706	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	705010	104.51	ng	0.00
7) Phenol-d6	7.20	99	920503	93.91	ng	0.00
23) Nitrobenzene-d5	9.21	82	788243	81.35	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	460078	126.40	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1625566	83.74	ng	0.00
79) Terphenyl-d14	20.04	244	2295208	85.51	ng	0.00

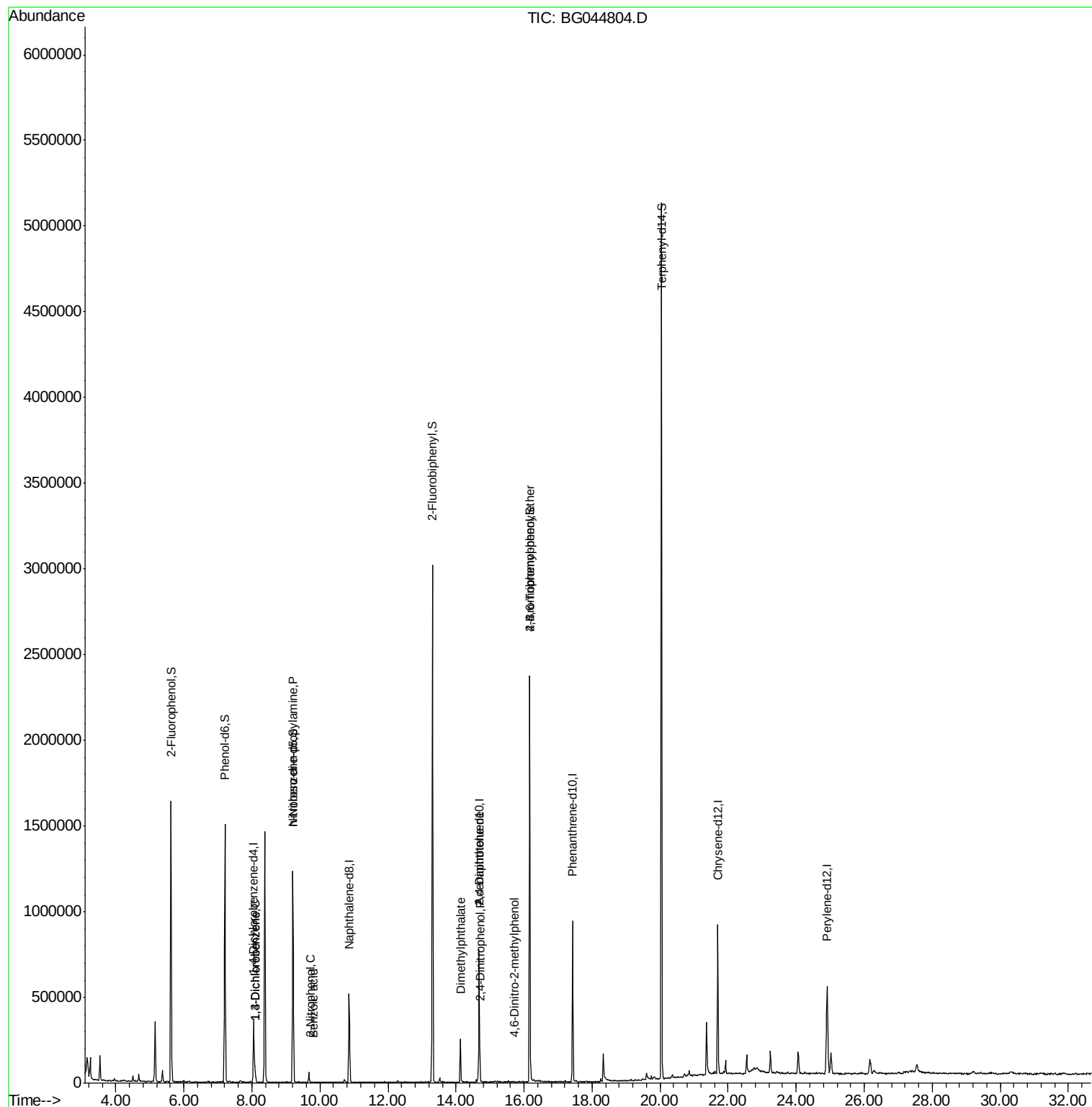
Target Compounds				Qvalue		
9) Benzaldehyde	7.19	77	1298	Below Cal	#	28
12) 1,3-Dichlorobenzene	8.08	146	35617	4.29	ng	97
13) 1,4-Dichlorobenzene	8.08	146	35617	4.34	ng	95
19) n-Nitroso-di-n-propylamine	9.21	70	107314	15.51	ng	# 73
26) 2-Nitrophenol	9.72	139	62	5.53	ng	# 5
32) Benzoic acid	9.82	122	66	9.68	ng	# 1
50) Dimethylphthalate	14.13	163	165834	7.49	ng	98
54) 2,4-Dinitrophenol	14.71	184	56	8.34	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	36074	5.89	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.71	198	56	7.75	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	32504	4.46	ng	# 1

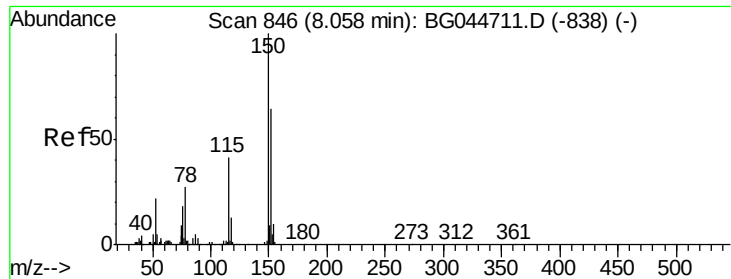
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-4-SA

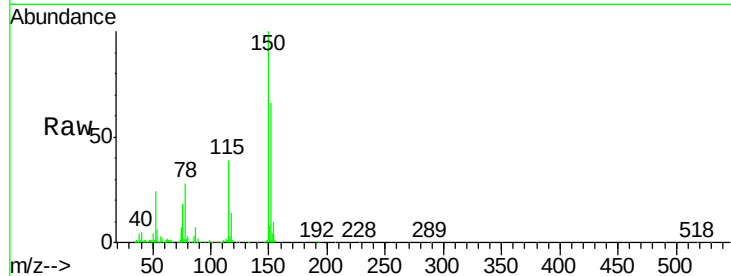
Tgt Ion:152 Resp: 105016

Ion Ratio Lower Upper

152 100

150 150.7 125.3 187.9

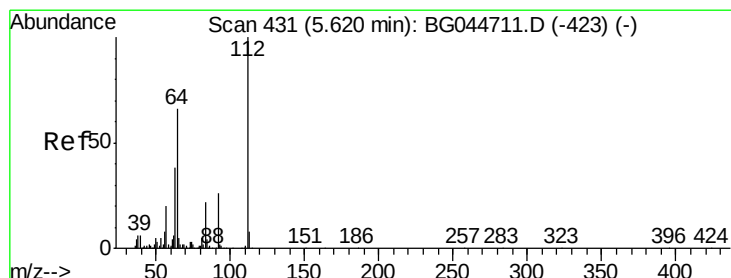
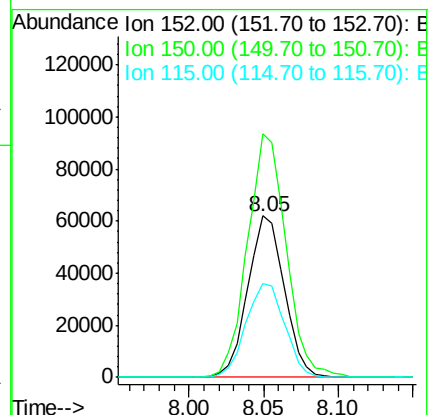
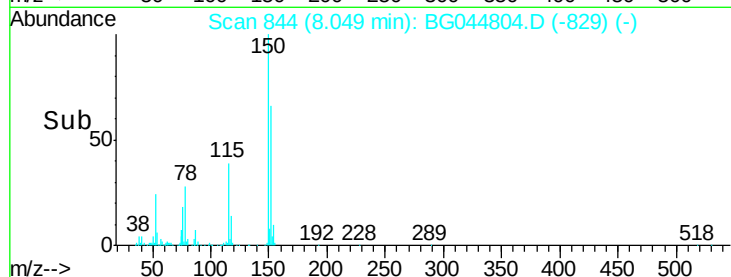
115 58.4 51.7 77.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 104.51 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

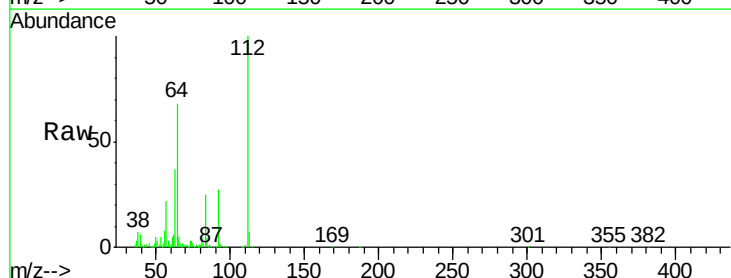
Tgt Ion:112 Resp: 705010

Ion Ratio Lower Upper

112 100

64 68.0 52.6 78.8

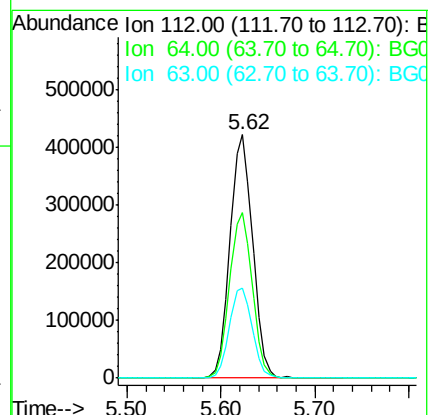
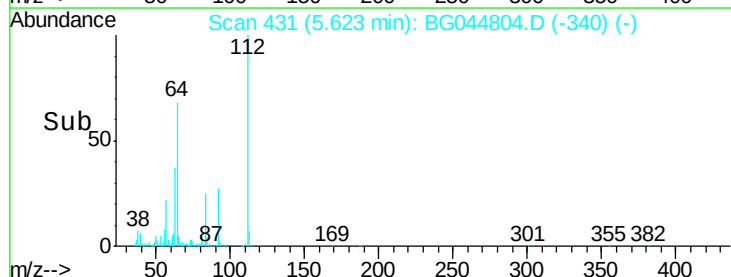
63 36.9 30.2 45.4

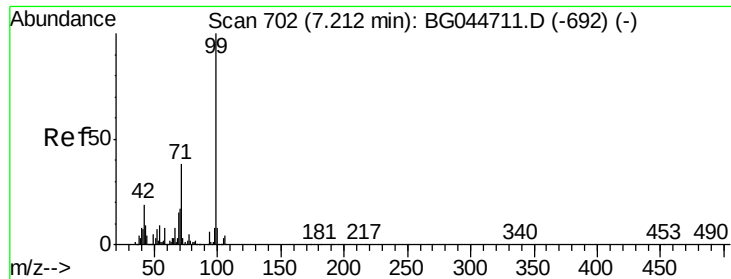


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 93.91 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-4-SA

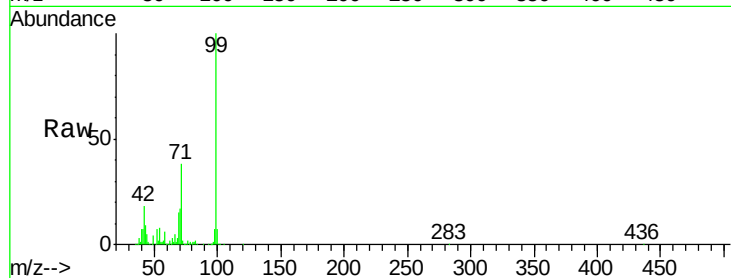
Tgt Ion: 99 Resp: 920503

Ion Ratio Lower Upper

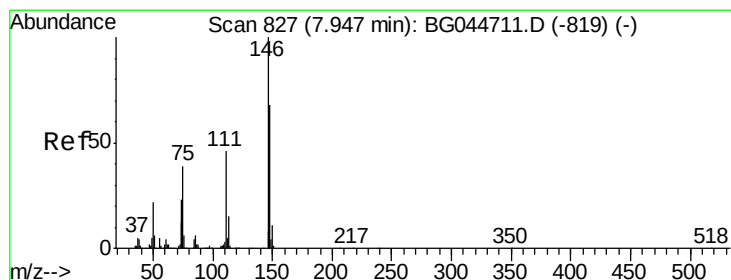
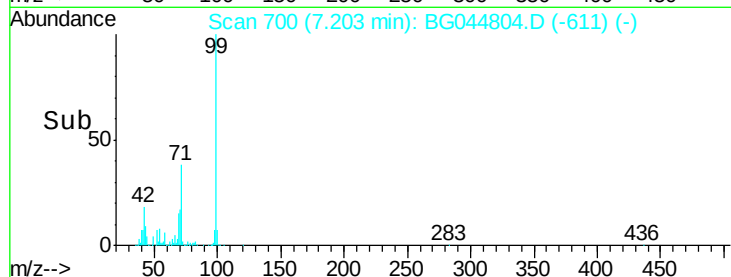
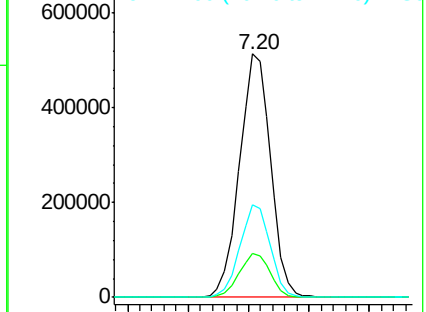
99 100

42 18.2 15.4 23.0

71 38.1 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



#12

1,3-Dichlorobenzene

Concen: 4.29 ng

RT: 8.08 min Scan# 850

Delta R.T. 0.14 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

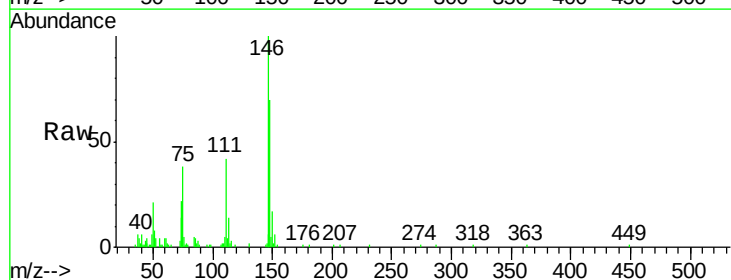
Tgt Ion: 146 Resp: 35617

Ion Ratio Lower Upper

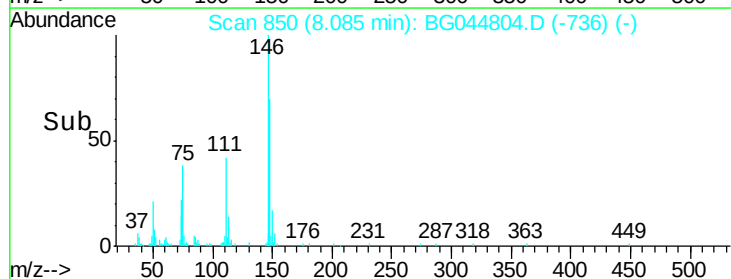
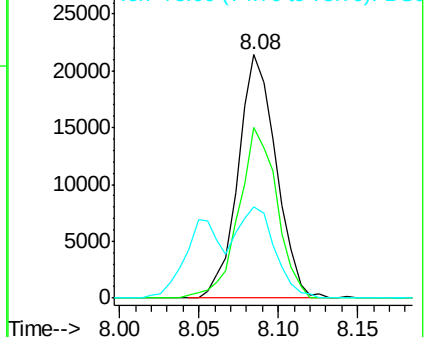
146 100

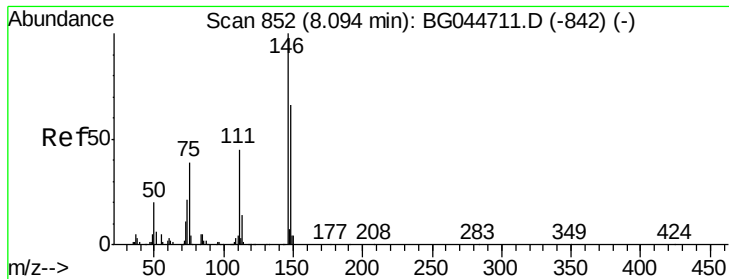
148 70.1 54.2 81.2

75 37.6 31.3 46.9



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

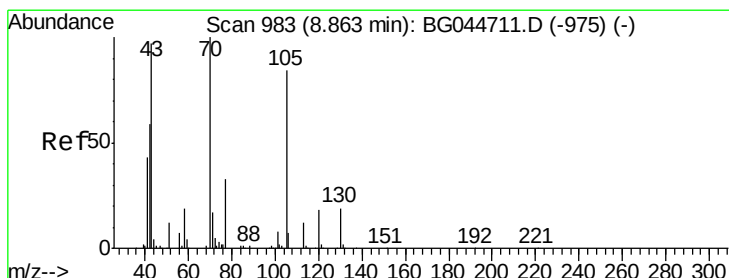
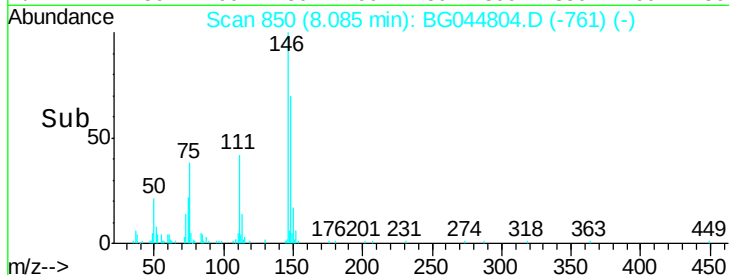
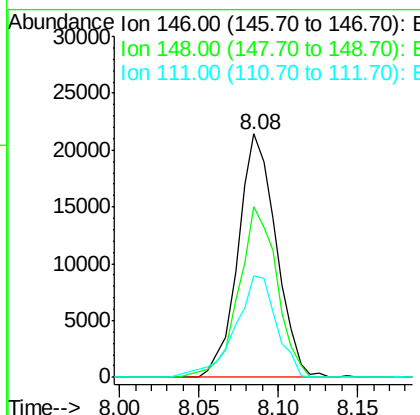
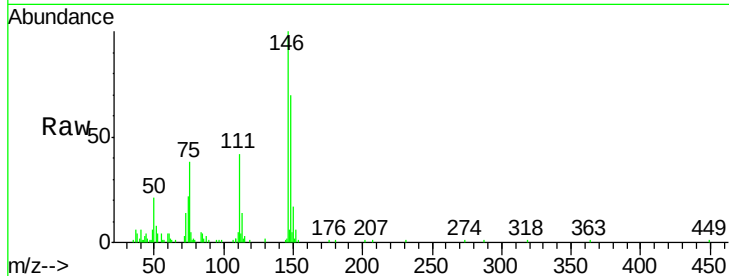




#13
 1,4-Dichlorobenzene
 Concen: 4.34 ng
 RT: 8.08 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: BG044804.D
 Acq: 14 Mar 2020 21:00

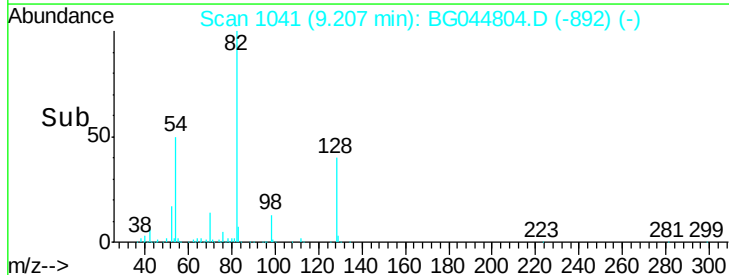
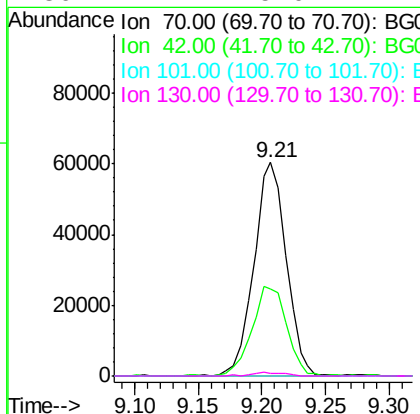
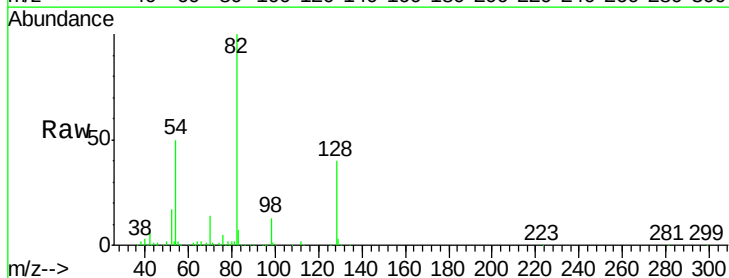
Instrument :
 BNA_G
 ClientSampleId :
 TP-4-SA

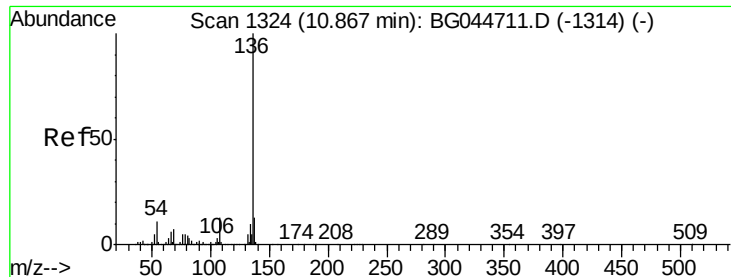
Tgt Ion: 146 Resp: 35617
 Ion Ratio Lower Upper
 146 100
 148 70.1 52.9 79.3
 111 41.8 35.6 53.4



#19
 n-Nitroso-di-n-propylamine
 Concen: 15.51 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. 0.34 min
 Lab File: BG044804.D
 Acq: 14 Mar 2020 21:00

Tgt Ion: 70 Resp: 107314
 Ion Ratio Lower Upper
 70 100
 42 41.0 47.6 71.4#
 101 0.0 6.5 9.7#
 130 1.4 15.0 22.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-4-SA

Tgt Ion: 136 Resp: 425188

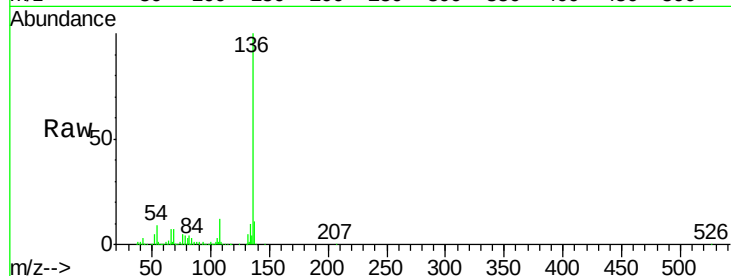
Ion Ratio Lower Upper

136 100

137 10.9 10.7 16.1

54 8.6 9.0 13.4#

68 7.0 5.9 8.9

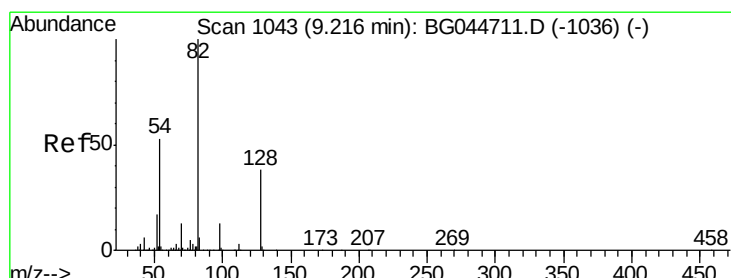
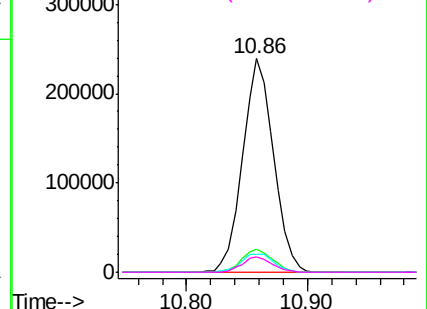
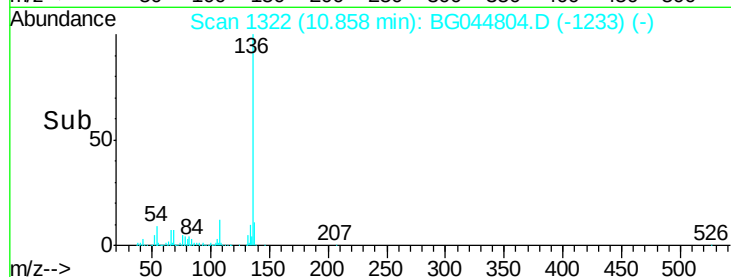


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.35 ng

RT: 9.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

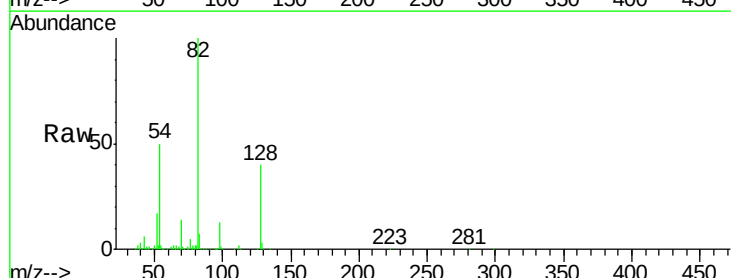
Tgt Ion: 82 Resp: 788243

Ion Ratio Lower Upper

82 100

128 40.2 30.2 45.2

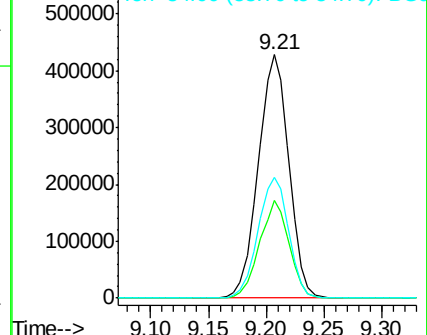
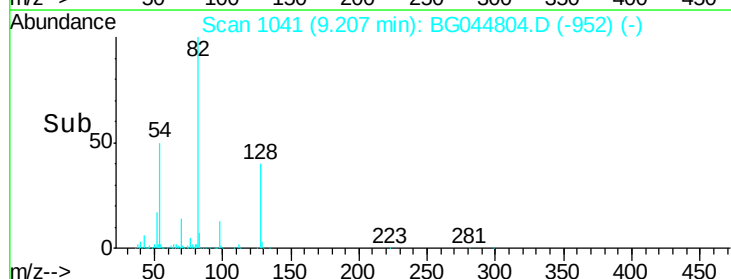
54 49.6 41.8 62.8

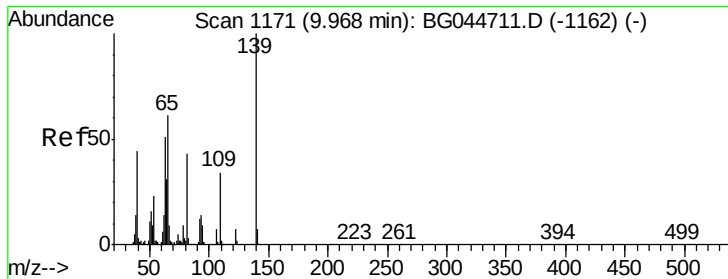


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

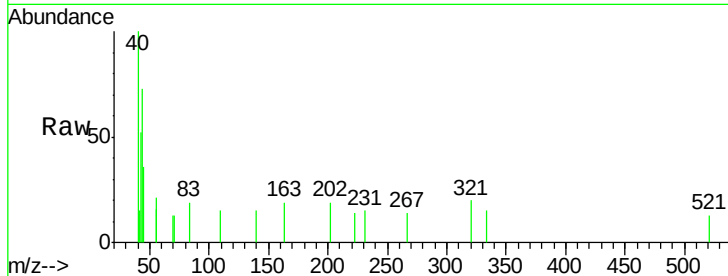




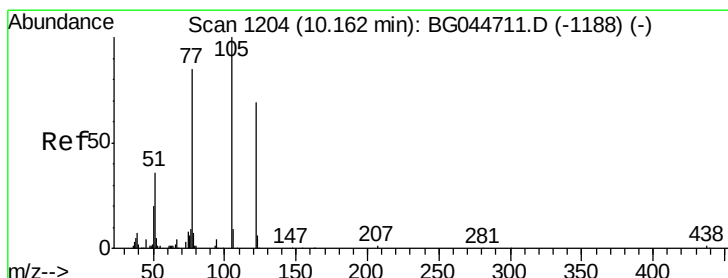
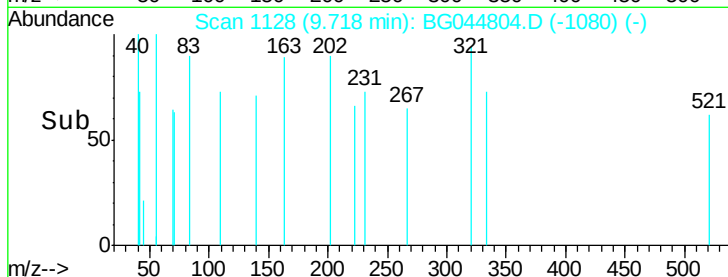
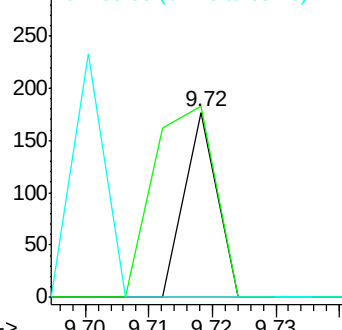
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.72 min Scan# 1128
Delta R.T. -0.25 min
Lab File: BG044804.D
Acq: 14 Mar 2020 21:00

Instrument :
BNA_G
ClientSampleId :
TP-4-SA

Tgt Ion:139 Resp: 62
Ion Ratio Lower Upper
139 100
109 103.4 27.0 40.4#
65 0.0 48.6 73.0#

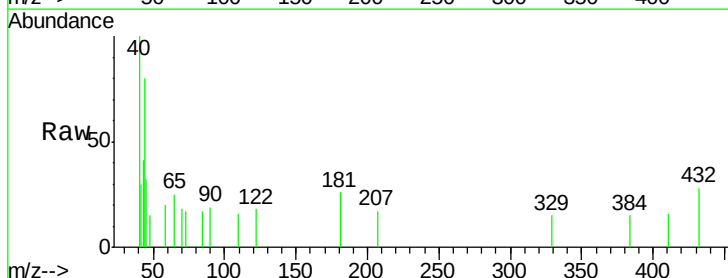


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

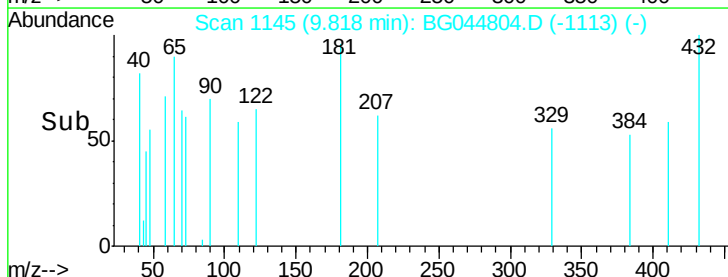
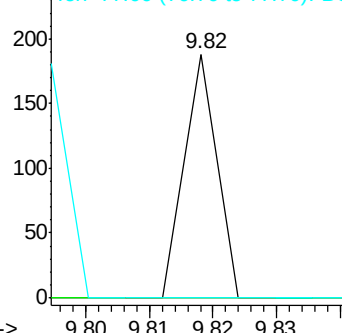


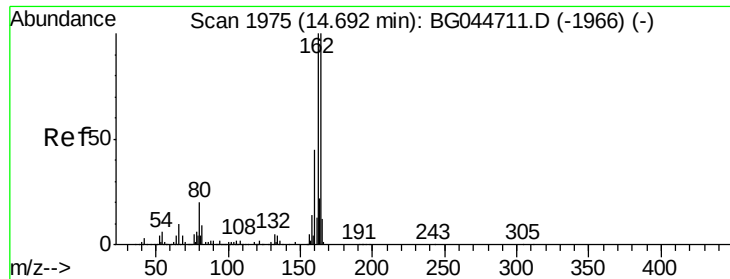
#32
Benzoic acid
Concen: 9.68 ng
RT: 9.82 min Scan# 1145
Delta R.T. -0.34 min
Lab File: BG044804.D
Acq: 14 Mar 2020 21:00

Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 0.0 119.0 159.0#
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: 20.00 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-4-SA

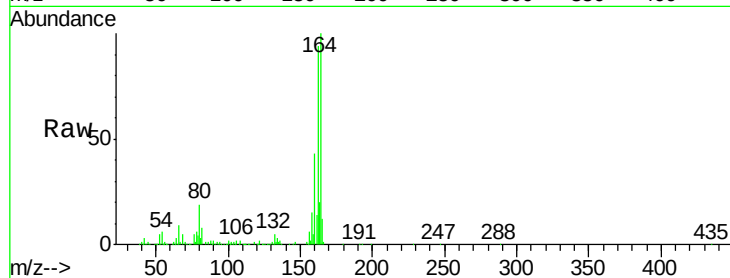
Tgt Ion:164 Resp: 277996

Ion Ratio Lower Upper

164 100

162 94.5 80.2 120.4

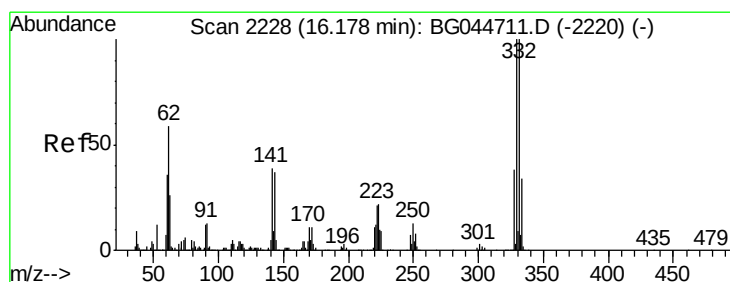
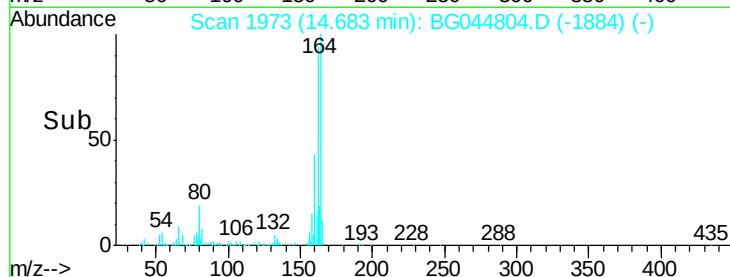
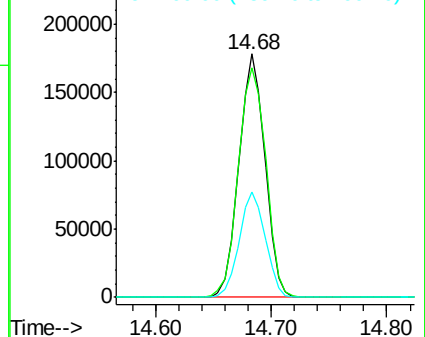
160 43.1 36.2 54.2



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: 126.40 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

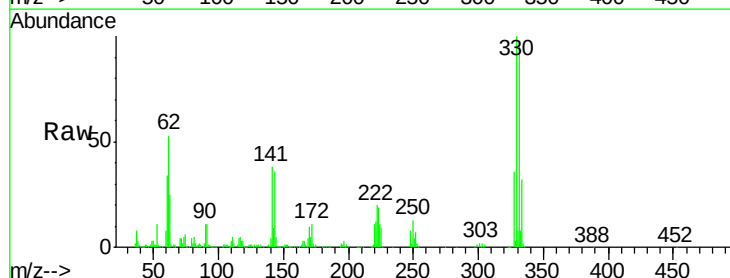
Tgt Ion:330 Resp: 460078

Ion Ratio Lower Upper

330 100

332 95.5 77.5 116.3

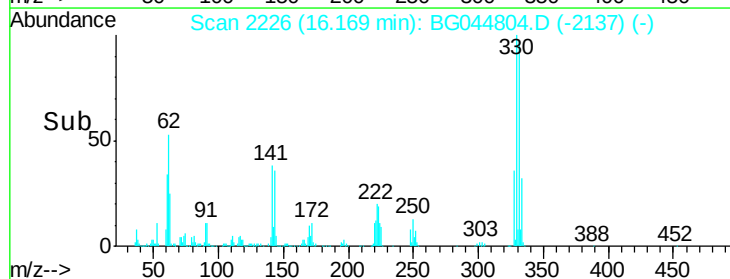
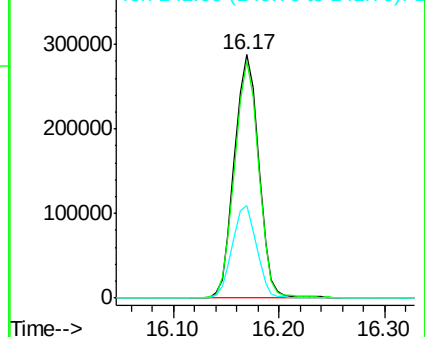
141 38.1 31.7 47.5

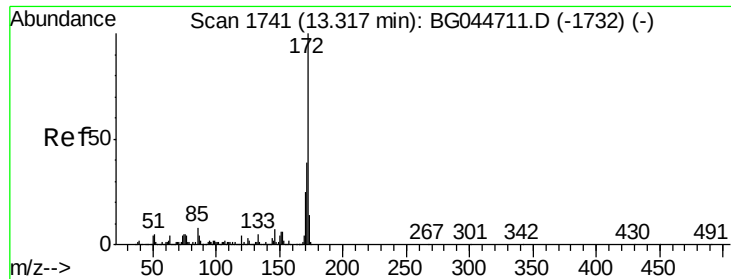


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 83.74 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-4-SA

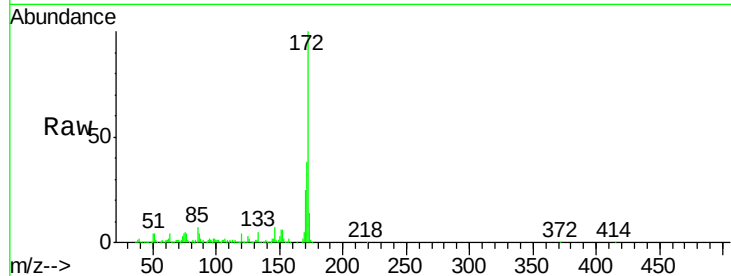
Tgt Ion:172 Resp: 1625566

Ion Ratio Lower Upper

172 100

171 38.0 30.8 46.2

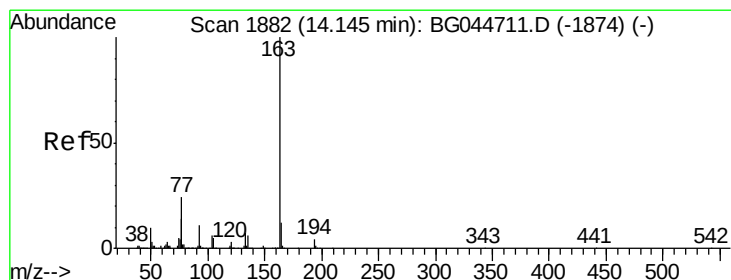
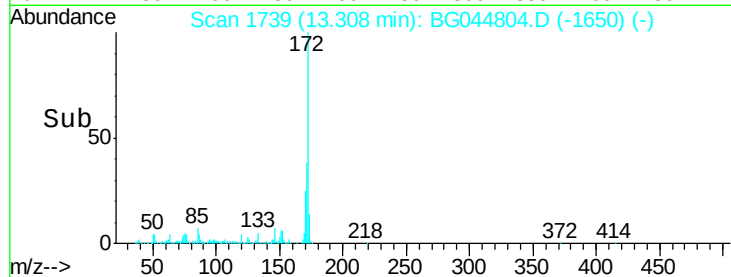
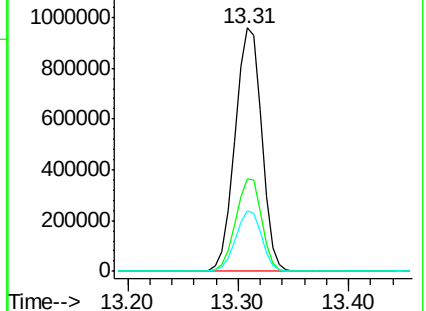
170 24.9 20.0 30.0



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: 7.49 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

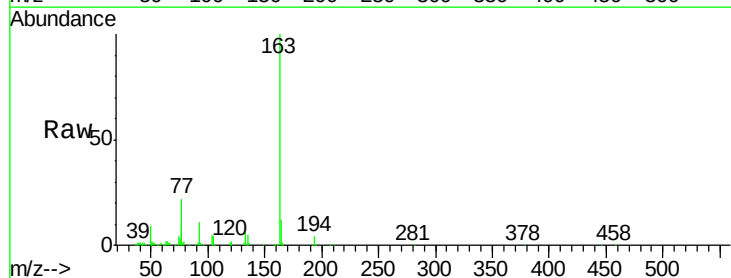
Tgt Ion:163 Resp: 165834

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

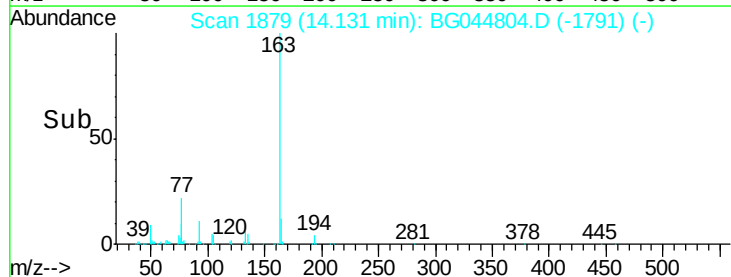
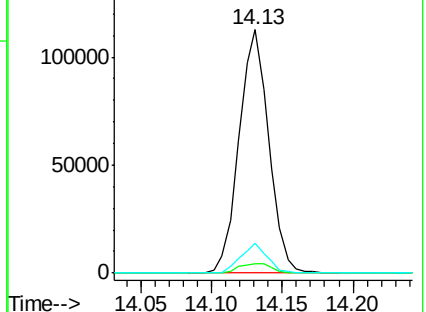
164 12.3 9.2 13.8

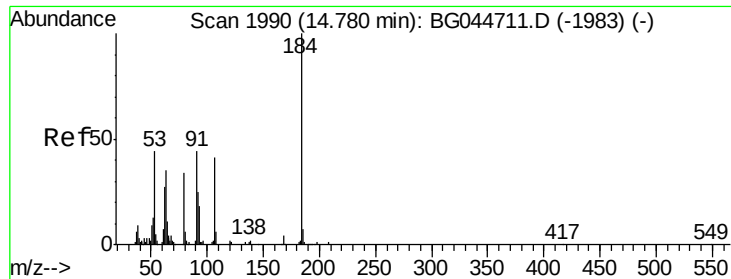


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

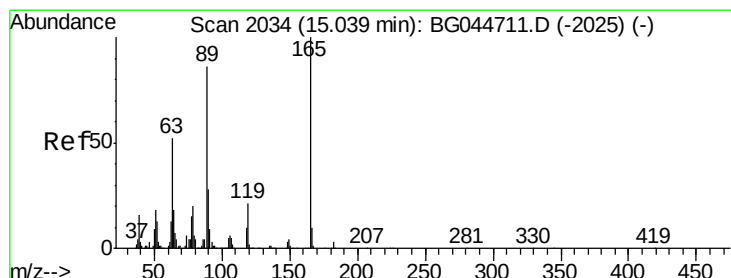
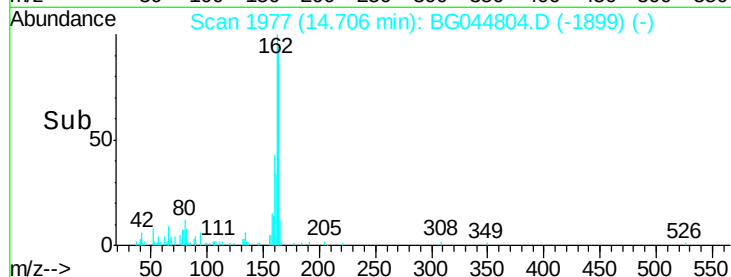
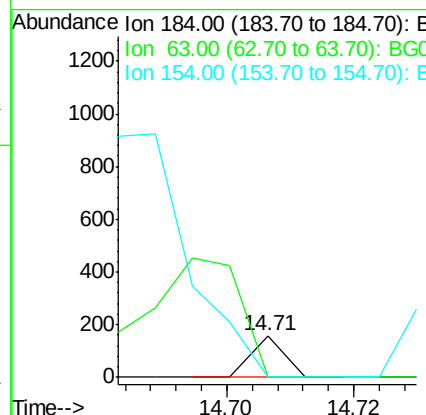
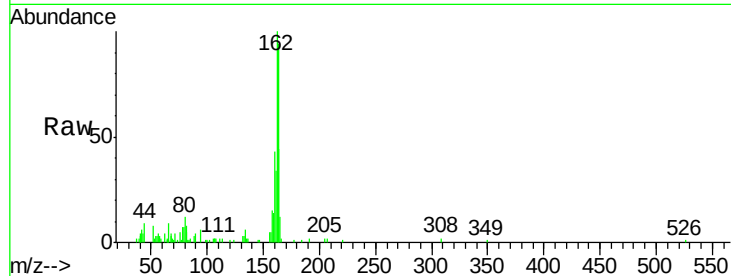




#54
2,4-Dinitrophenol
Concen: 8.34 ng
RT: 14.71 min Scan# 1977
Delta R.T. -0.07 min
Lab File: BG044804.D
Acq: 14 Mar 2020 21:00

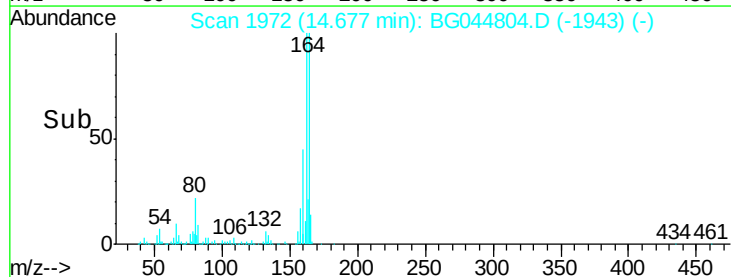
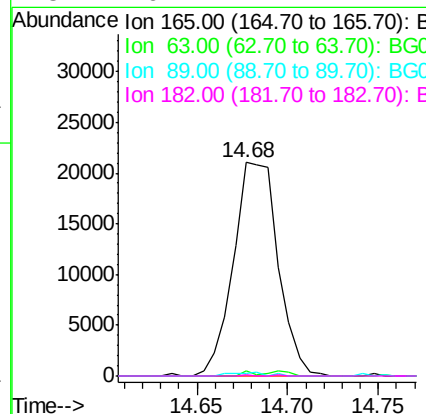
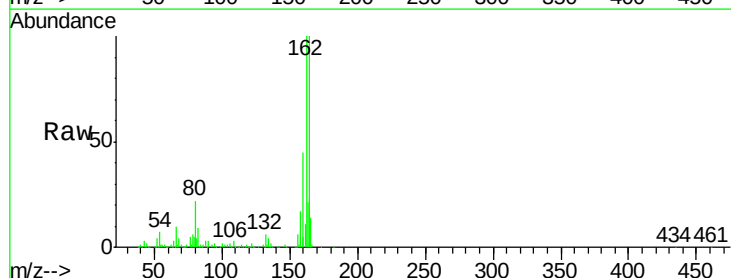
Instrument :
BNA_G
ClientSampleId :
TP-4-SA

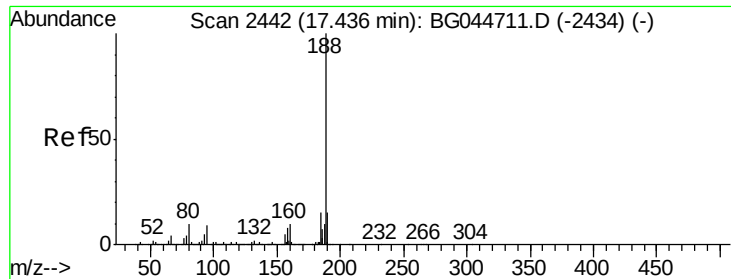
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 5.89 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044804.D
Acq: 14 Mar 2020 21:00

Tgt Ion:165 Resp: 36074
Ion Ratio Lower Upper
165 100
63 2.4 41.5 62.3#
89 1.5 69.0 103.4#
182 0.7 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.43 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-4-SA

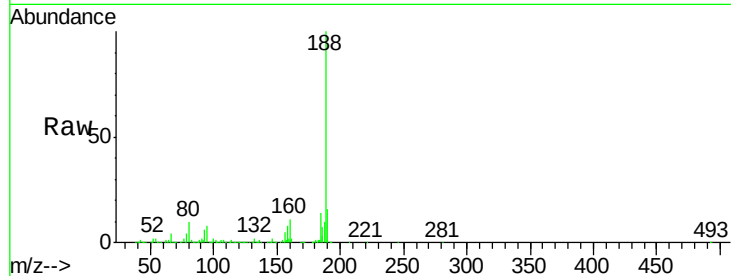
Tgt Ion:188 Resp: 582652

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

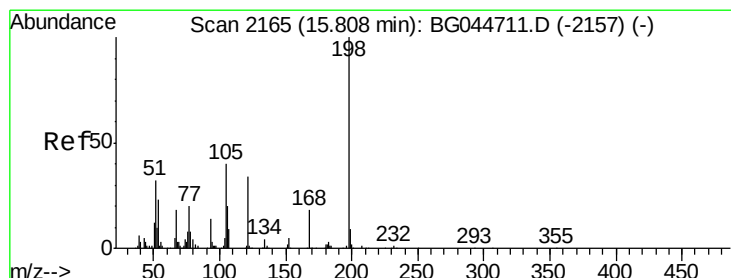
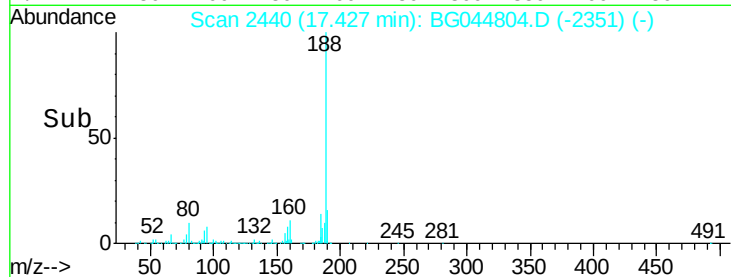
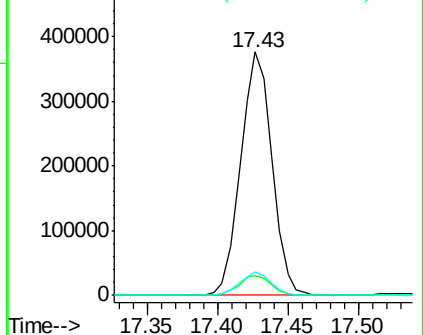
80 9.7 8.4 12.6



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: 7.75 ng

RT: 15.71 min Scan# 2148

Delta R.T. -0.10 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

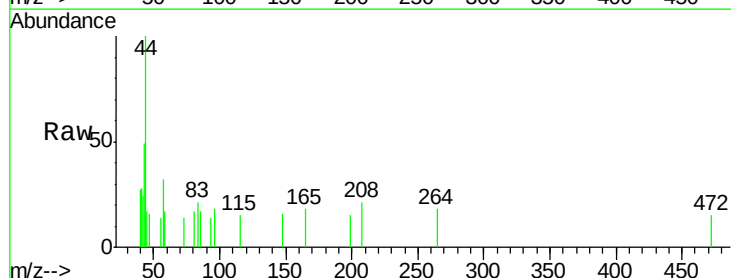
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

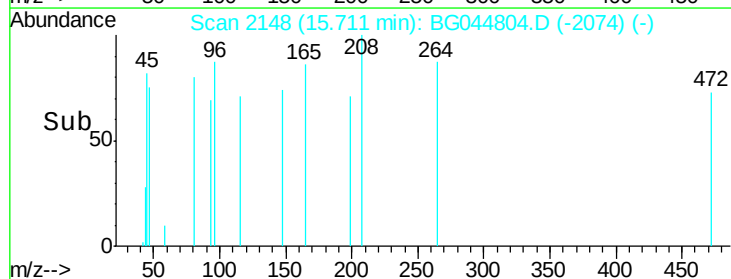
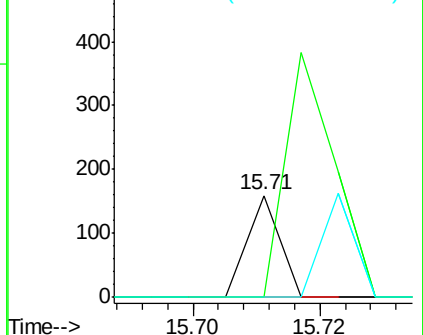
105 0.0 21.3 61.3#

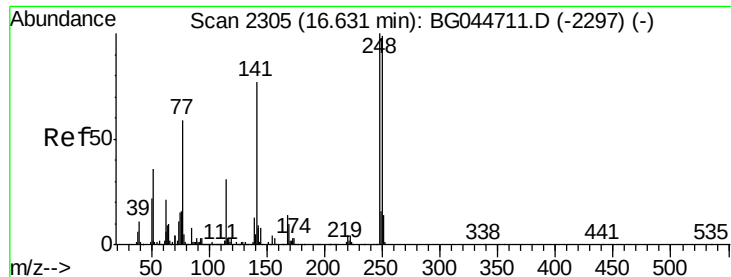


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.46 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

Instrument :

BNA_G

ClientSampled :

TP-4-SA

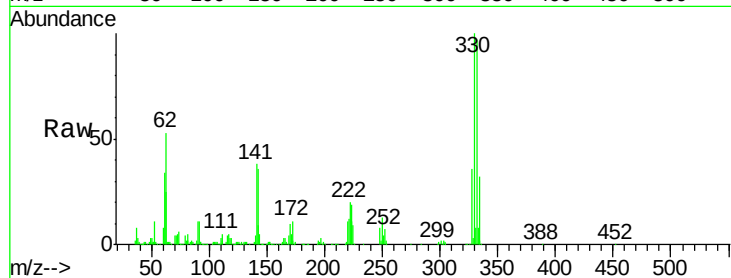
Tgt Ion:248 Resp: 32504

Ion Ratio Lower Upper

248 100

250 165.5 79.4 119.0#

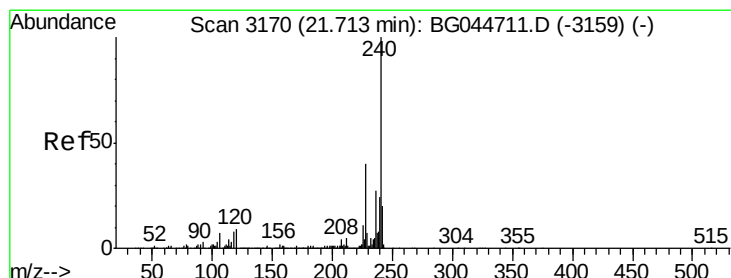
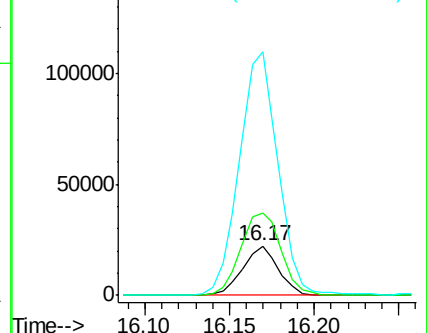
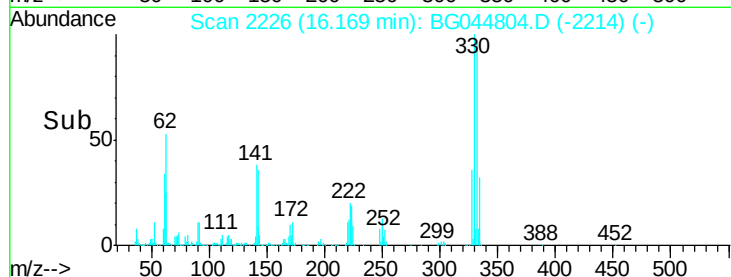
141 492.0 61.7 92.5#



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: 20.00 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

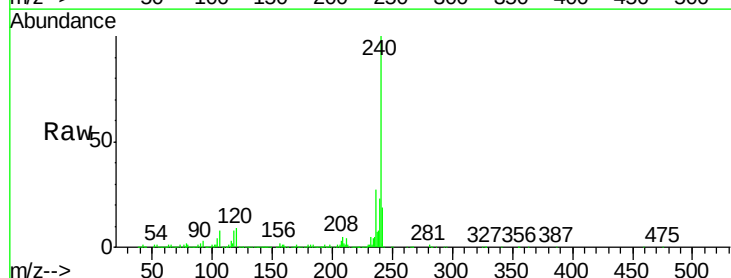
Tgt Ion:240 Resp: 502103

Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

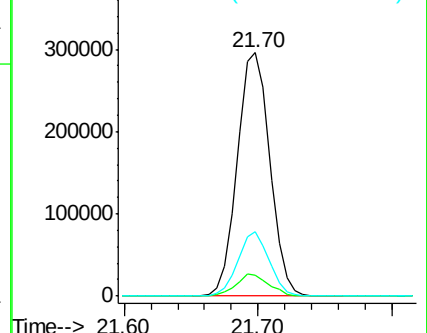
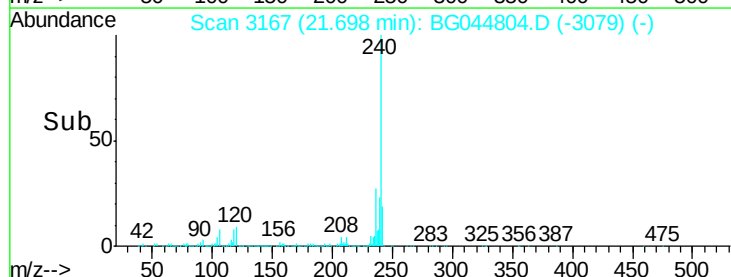
236 26.7 21.9 32.9

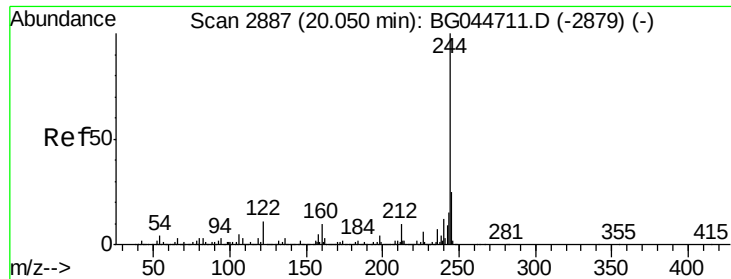


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 85.51 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

Instrument :

BNA_G

ClientSampleId :

TP-4-SA

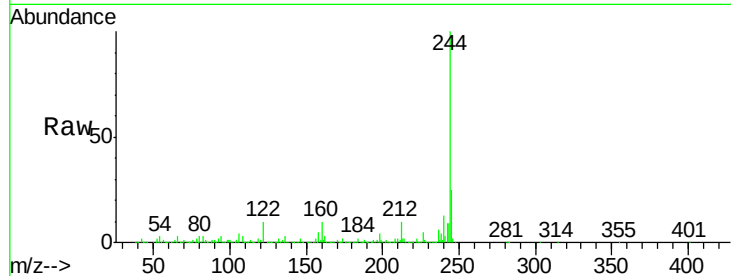
Tgt Ion:244 Resp: 2295208

Ion Ratio Lower Upper

244 100

212 10.1 8.4 12.6

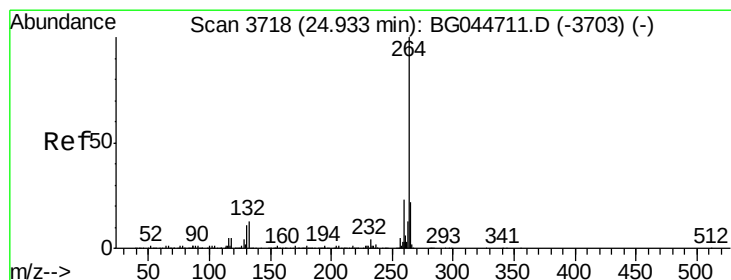
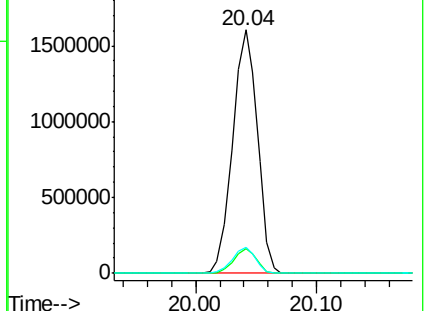
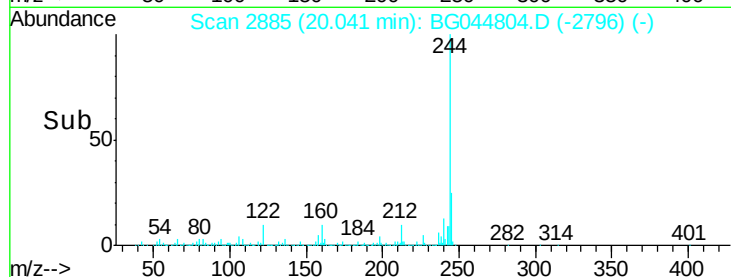
122 10.4 8.7 13.1



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: 20.00 ng

RT: 24.91 min Scan# 3714

Delta R.T. -0.02 min

Lab File: BG044804.D

Acq: 14 Mar 2020 21:00

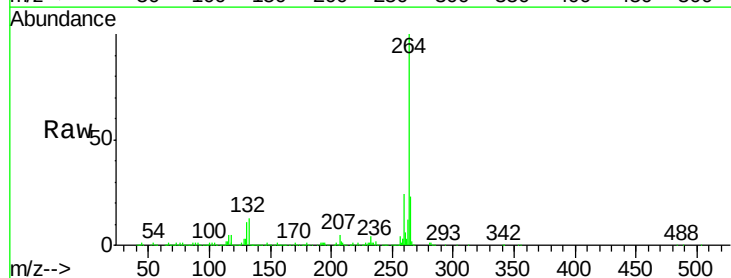
Tgt Ion:264 Resp: 564706

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 23.3 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

