

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031920\
 Data File : BG044909.D
 Acq On : 19 Mar 2020 22:54
 Operator : CG/JU
 Sample : L1978-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6A

Quant Time: Mar 20 01:22:27 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

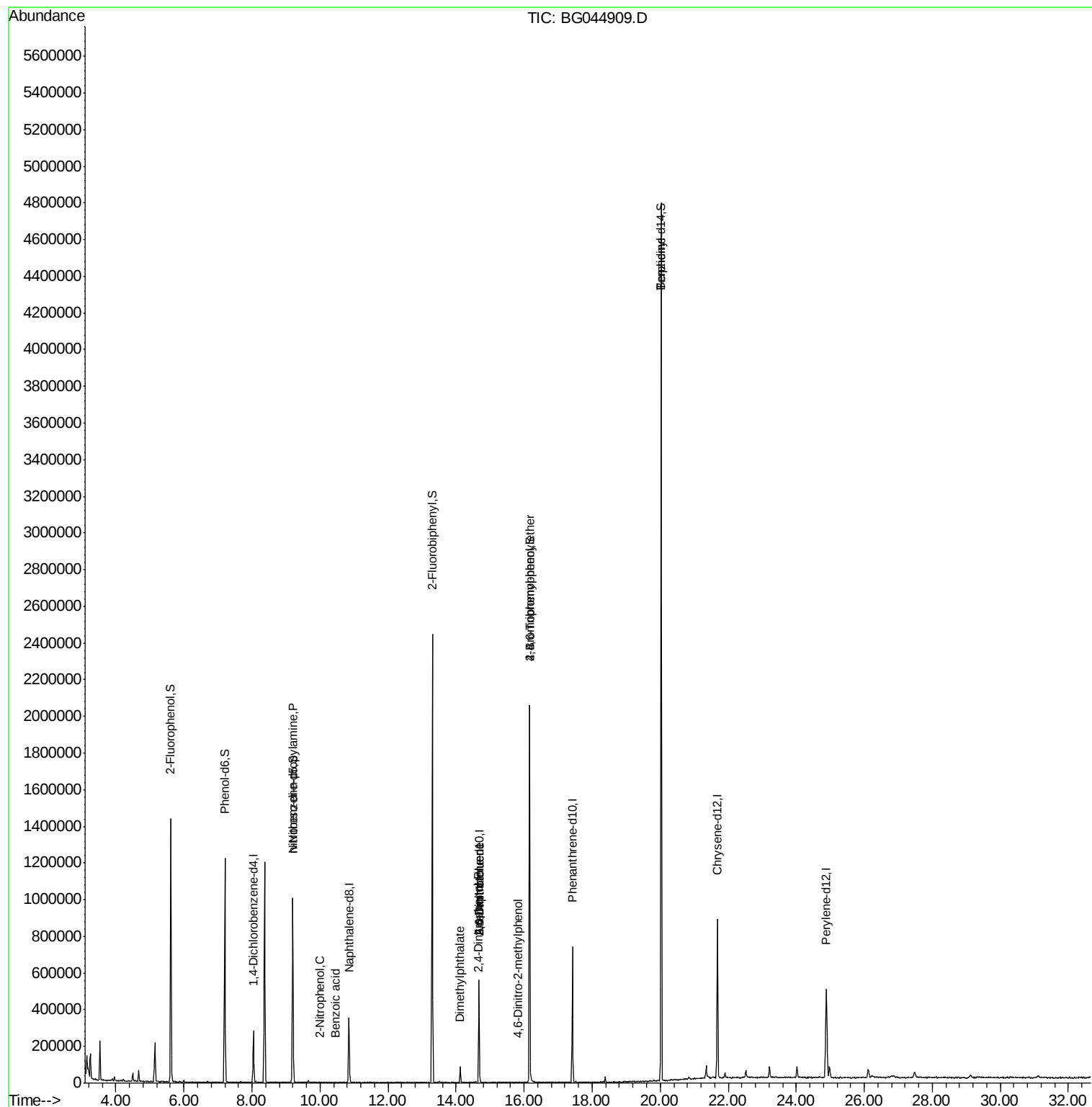
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	82150	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	309348	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	199754	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	476740	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	481083	20.00	ng	-0.02
87) Perylene-d12	24.89	264	542112	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	612706	116.10	ng	0.00
7) Phenol-d6	7.20	99	748923	97.68	ng	0.00
23) Nitrobenzene-d5	9.20	82	652686	92.58	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	413773	158.20	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1311309	94.01	ng	0.00
79) Terphenyl-d14	20.03	244	2278131	88.58	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.20	77	2067	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	91204	16.85 ng	#	76
26) 2-Nitrophenol	10.00	139	53	5.53 ng	#	28
32) Benzoic acid	10.44	122	59	9.68 ng	#	1
50) Dimethylphthalate	14.12	163	59943	3.77 ng	#	98
51) 2,6-Dinitrotoluene	14.67	165	26257	8.19 ng	#	23
54) 2,4-Dinitrophenol	14.66	184	73	8.36 ng	#	21
57) 2,4-Dinitrotoluene	14.67	165	26257	5.97 ng	#	23
65) 4,6-Dinitro-2-methylphenol	15.83	198	79	7.76 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	29638	4.97 ng	#	1
77) Benzidine	20.03	184	46208	2.96 ng	#	89

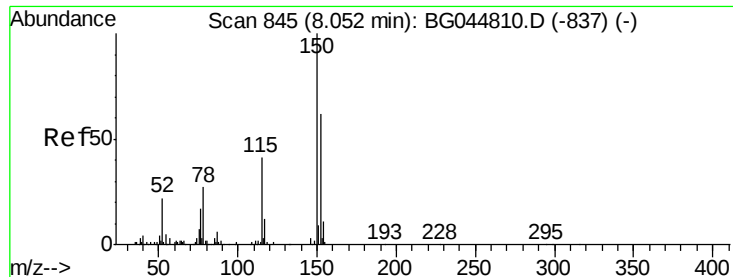
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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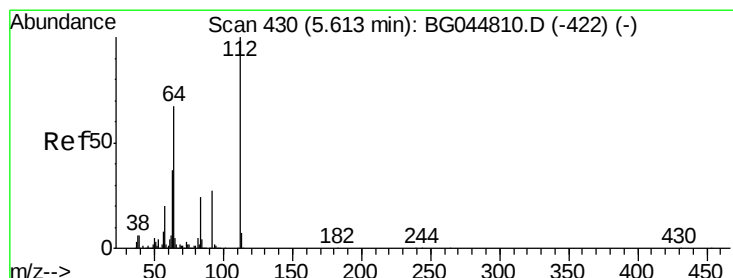
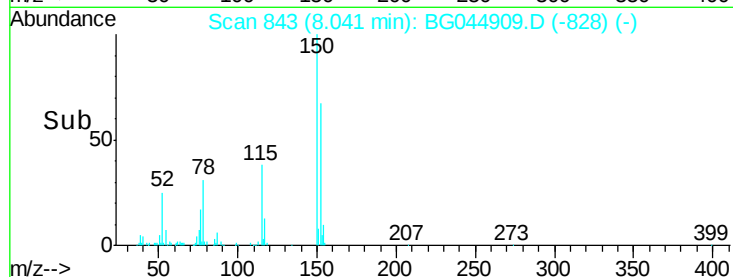
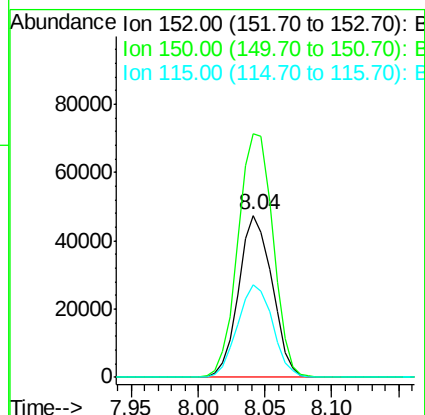
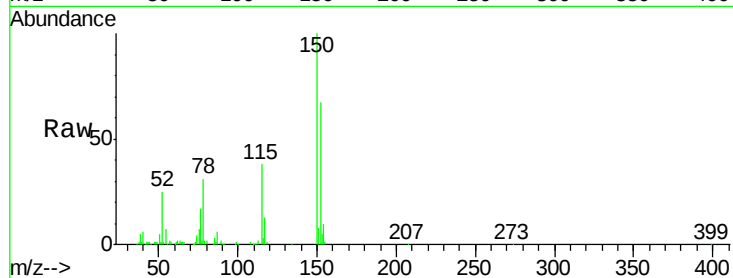


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG044909.D
 Acq: 19 Mar 2020 22:54

Instrument :
 BNA_G
 ClientSampleId :
 TP-6A

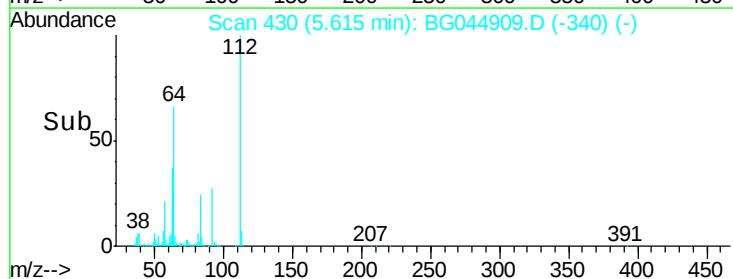
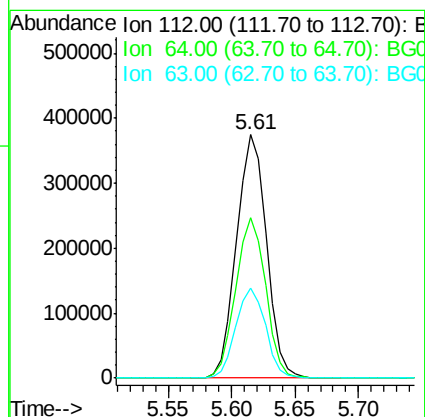
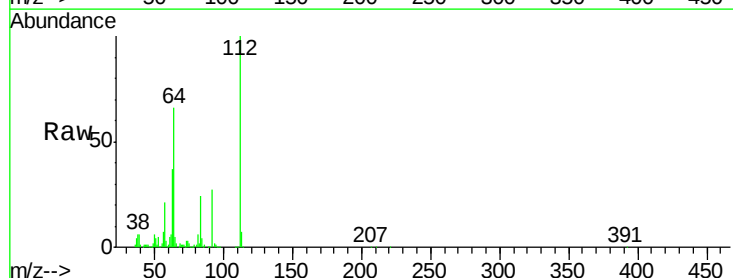
Tgt Ion:152 Resp: 82150
 Ion Ratio Lower Upper
 152 100
 150 150.0 128.8 193.2
 115 56.9 52.6 79.0

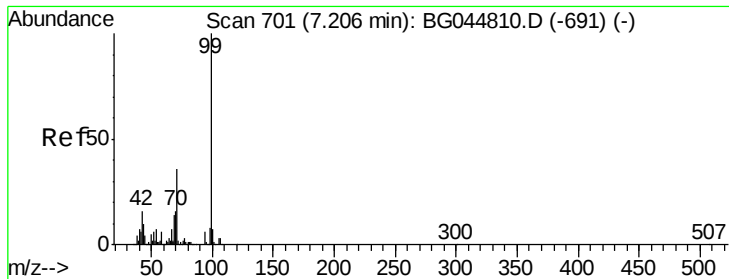


#5

2-Fluorophenol
 Concen: 116.10 ng
 RT: 5.61 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044909.D
 Acq: 19 Mar 2020 22:54

Tgt Ion:112 Resp: 612706
 Ion Ratio Lower Upper
 112 100
 64 66.0 53.4 80.2
 63 36.9 29.4 44.2





#7

Phenol-d6

Concen: 97.68 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044909.D

Acq: 19 Mar 2020 22:54

Instrument :

BNA_G

ClientSampled :

TP-6A

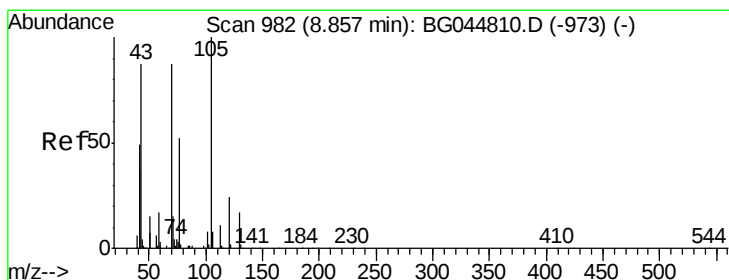
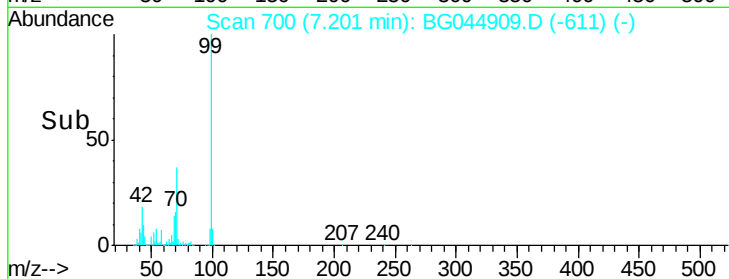
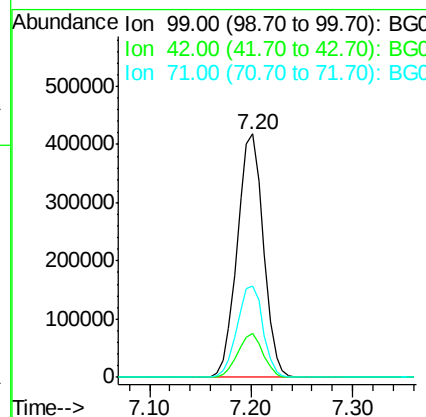
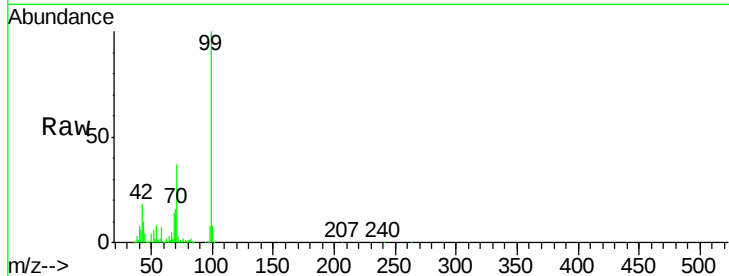
Tgt Ion: 99 Resp: 748923

Ion Ratio Lower Upper

99 100

42 18.3 12.6 19.0

71 37.4 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.85 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044909.D

Acq: 19 Mar 2020 22:54

Tgt Ion: 70 Resp: 91204

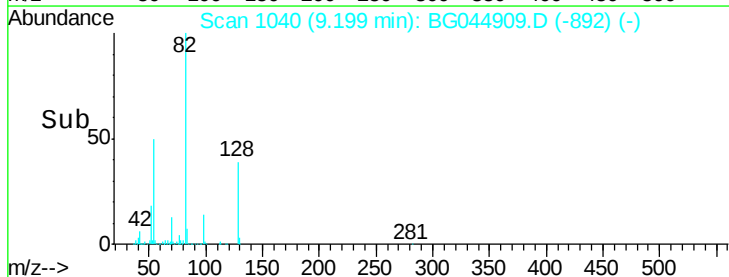
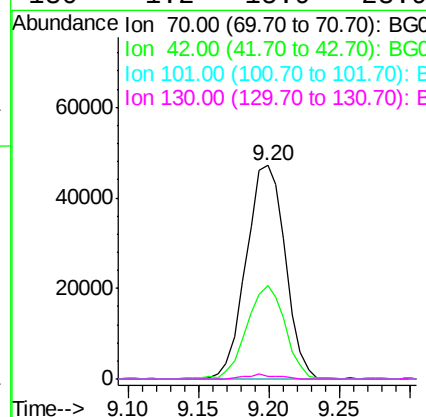
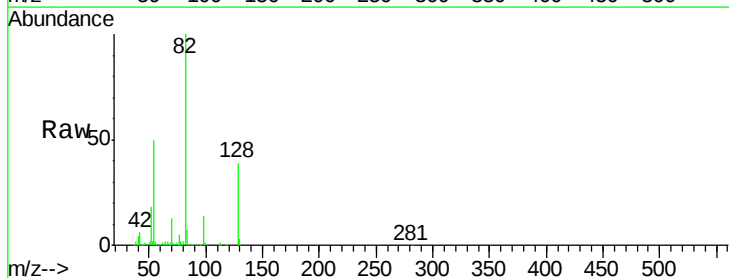
Ion Ratio Lower Upper

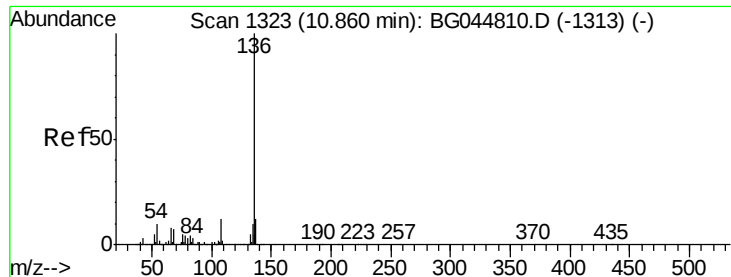
70 100

42 43.7 45.7 68.5#

101 0.0 7.4 11.2#

130 1.2 15.9 23.9#

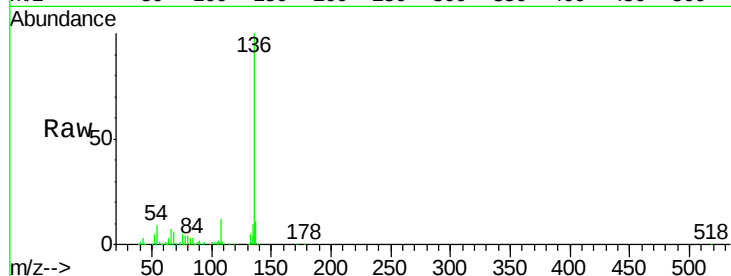




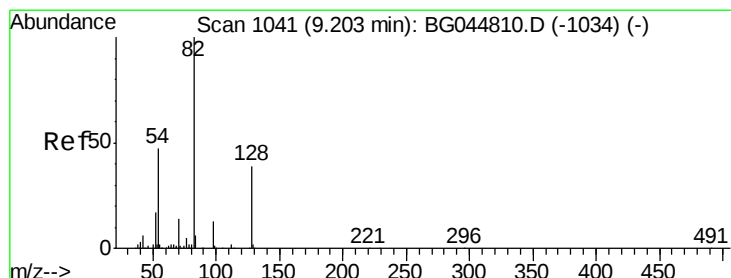
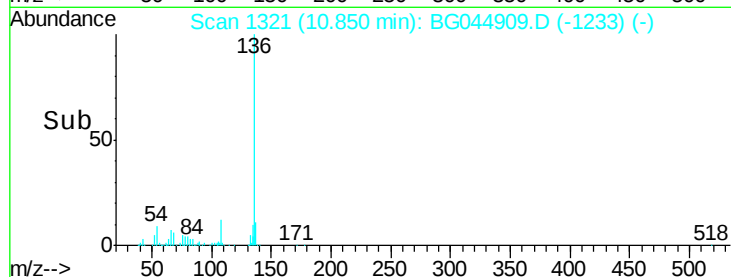
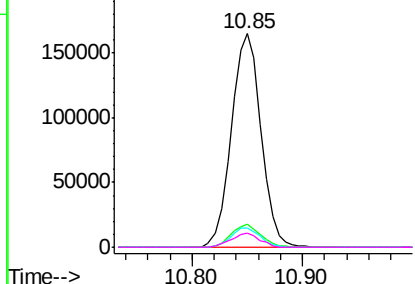
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044909.D
Acq: 19 Mar 2020 22:54

Instrument :
BNA_G
ClientSampleId :
TP-6A

Tgt Ion:	136	Resp:	309348
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	8.9	7.9	11.9
68	6.5	5.4	8.0

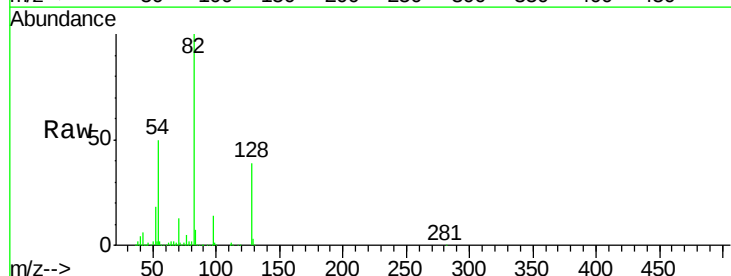


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

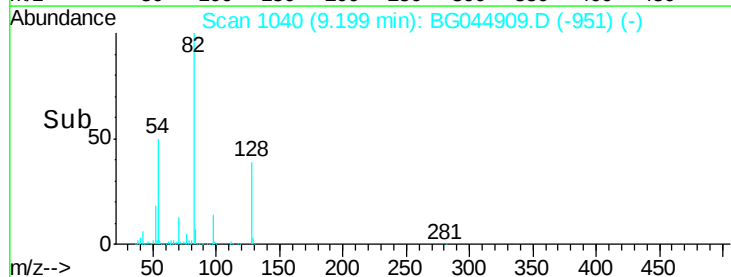
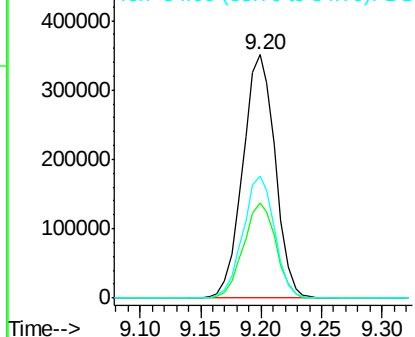


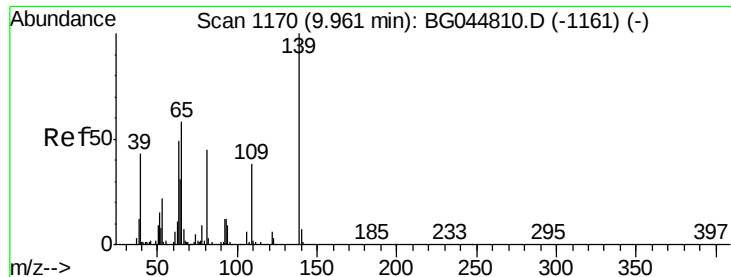
#23
Nitrobenzene-d5
Concen: 92.58 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044909.D
Acq: 19 Mar 2020 22:54

Tgt Ion:	82	Resp:	652686
Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.6	46.0
54	50.1	37.1	55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

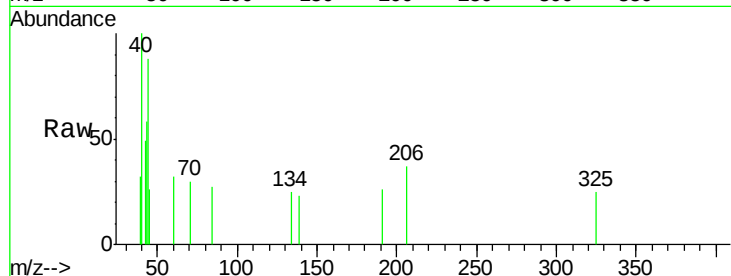




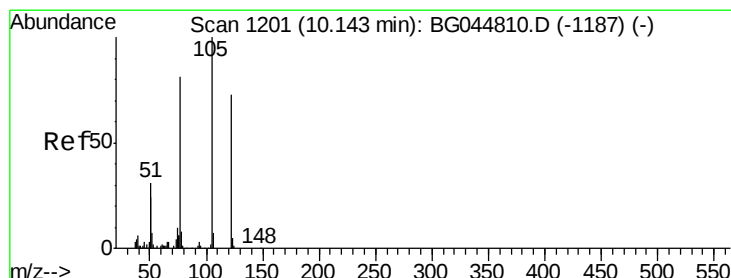
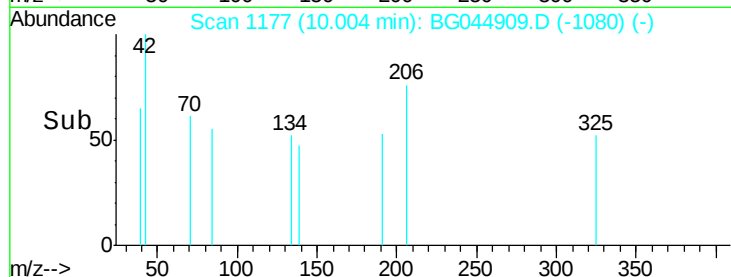
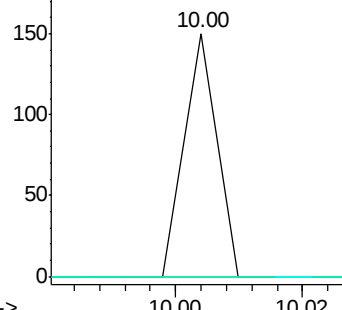
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 10.00 min Scan# 1177
Delta R.T. 0.04 min
Lab File: BG044909.D
Acq: 19 Mar 2020 22:54

Instrument :
BNA_G
ClientSampleId :
TP-6A

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

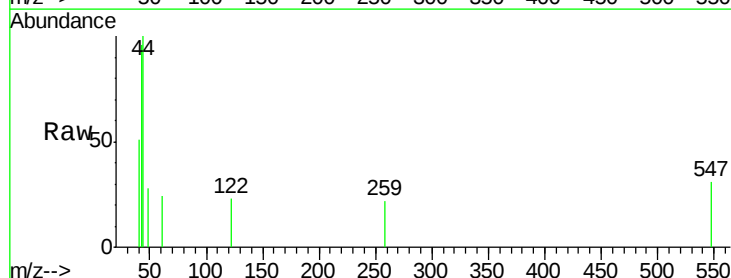


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

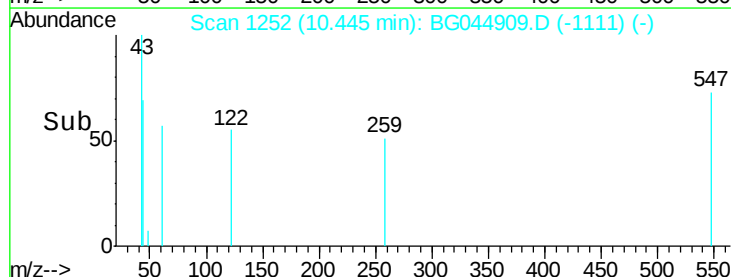
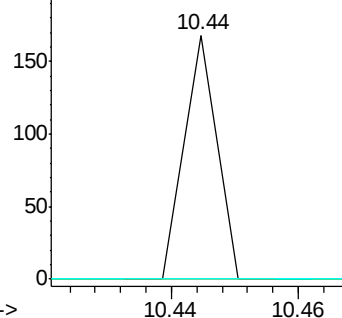


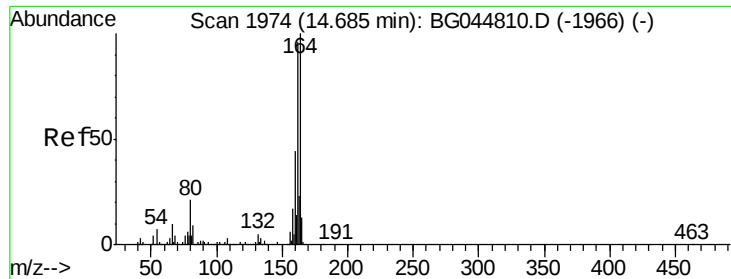
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.44 min Scan# 1252
Delta R.T. 0.30 min
Lab File: BG044909.D
Acq: 19 Mar 2020 22:54

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	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# 1972

Delta R.T. -0.01 min

Lab File: BG044909.D

Acq: 19 Mar 2020 22:54

Instrument :

BNA_G

ClientSampleId :

TP-6A

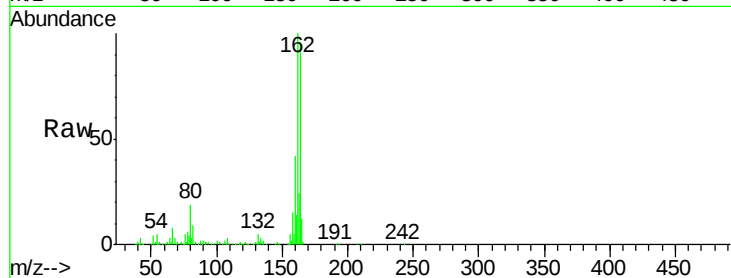
Tgt Ion:164 Resp: 199754

Ion Ratio Lower Upper

164 100

162 104.7 76.7 115.1

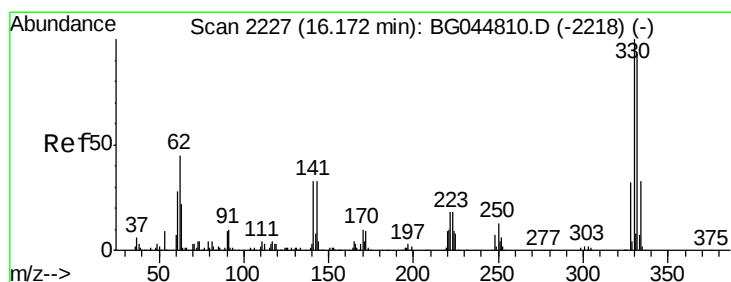
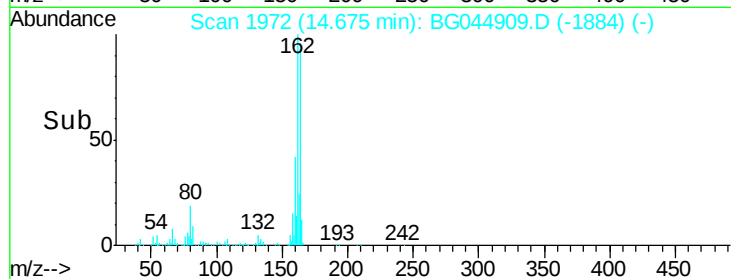
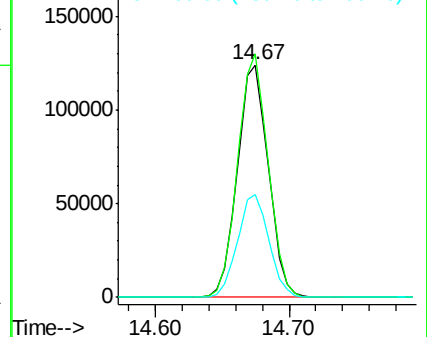
160 44.4 35.0 52.4



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: 158.20 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044909.D

Acq: 19 Mar 2020 22:54

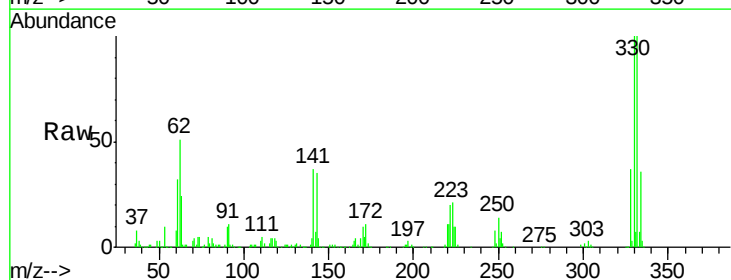
Tgt Ion:330 Resp: 413773

Ion Ratio Lower Upper

330 100

332 98.4 77.8 116.6

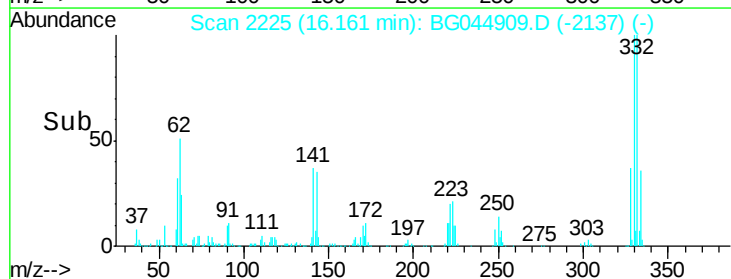
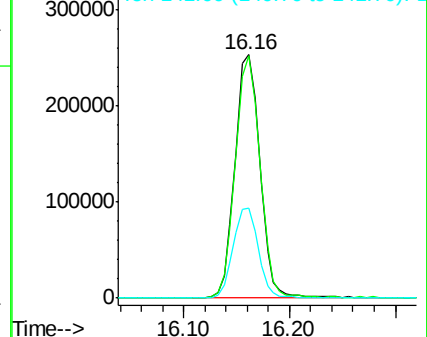
141 37.2 29.5 44.3

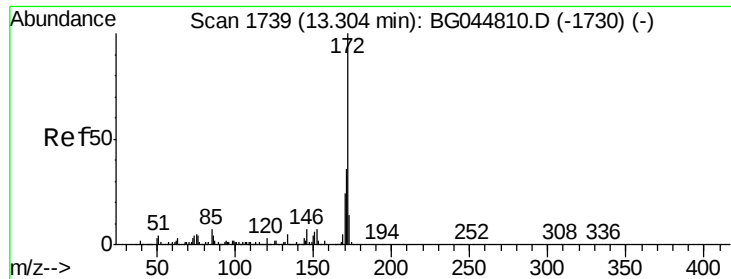


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

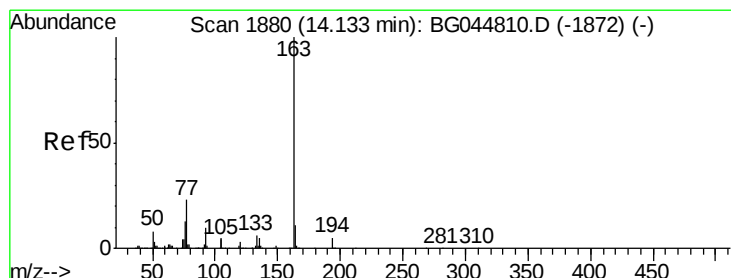
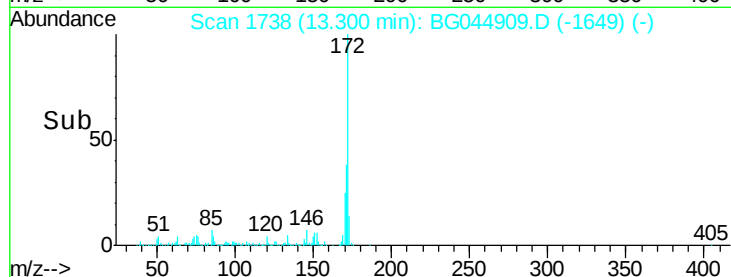
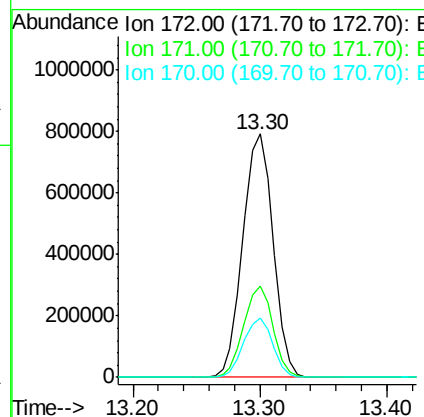
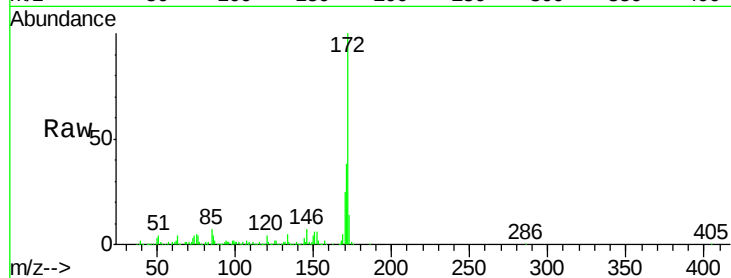




#45
2-Fluorobiphenyl
Concen: 94.01 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044909.D
Acq: 19 Mar 2020 22:54

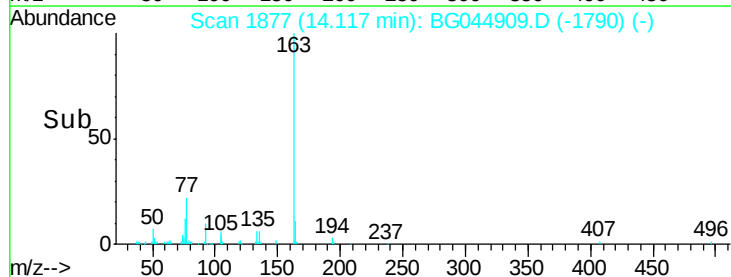
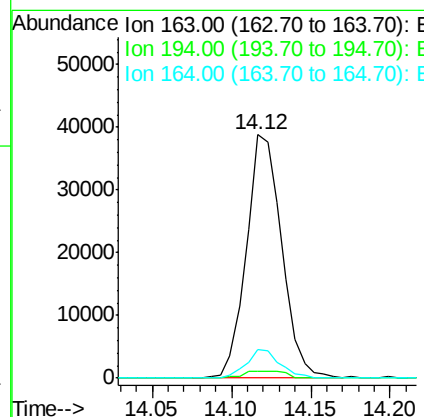
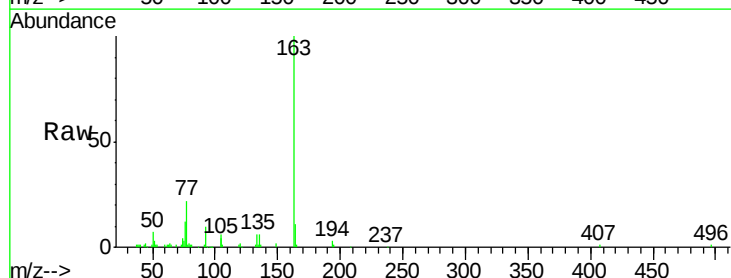
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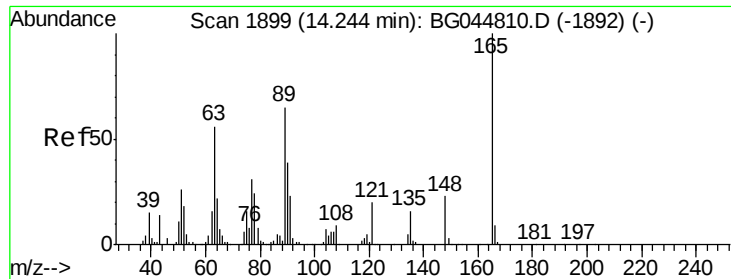
Tgt Ion:172 Resp: 1311309
Ion Ratio Lower Upper
172 100
171 37.6 28.7 43.1
170 24.5 19.0 28.6



#50
Dimethylphthalate
Concen: 3.77 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.02 min
Lab File: BG044909.D
Acq: 19 Mar 2020 22:54

Tgt Ion:163 Resp: 59943
Ion Ratio Lower Upper
163 100
194 2.9 3.7 5.5#
164 11.5 9.1 13.7

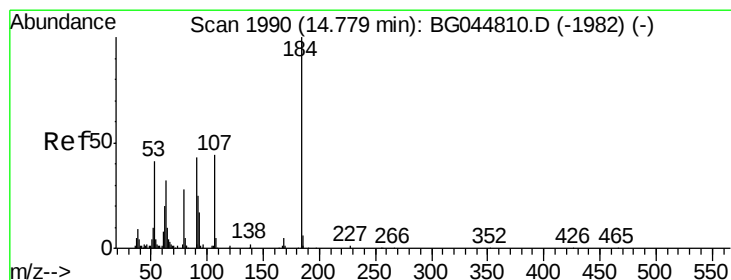
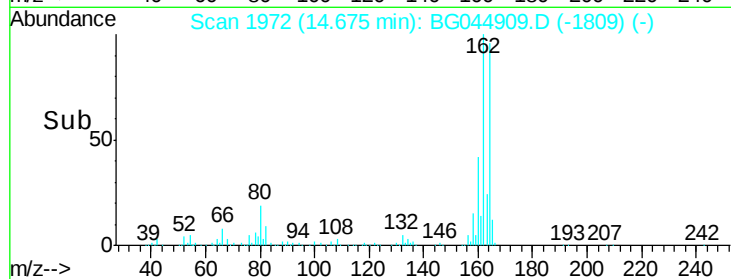
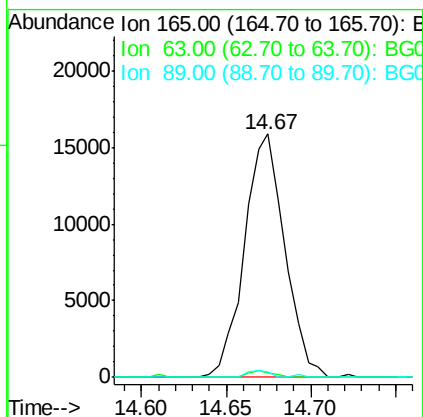
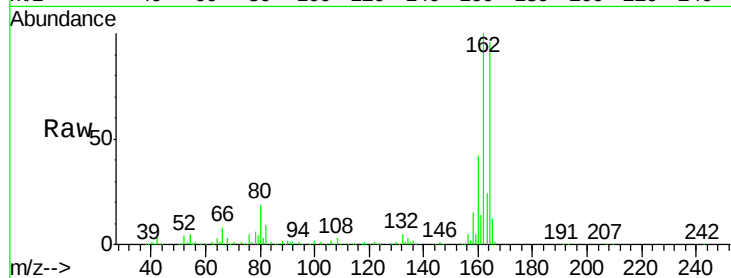




#51
 2,6-Dinitrotoluene
 Concen: 8.19 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.43 min
 Lab File: BG044909.D
 Acq: 19 Mar 2020 22:54

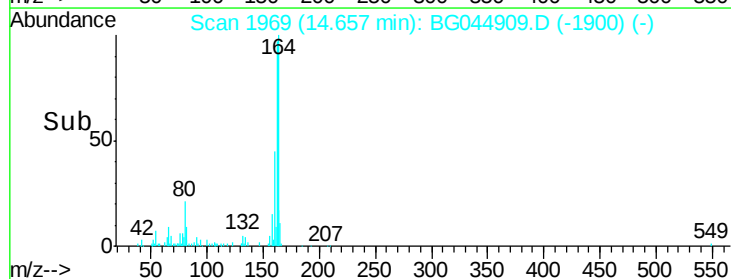
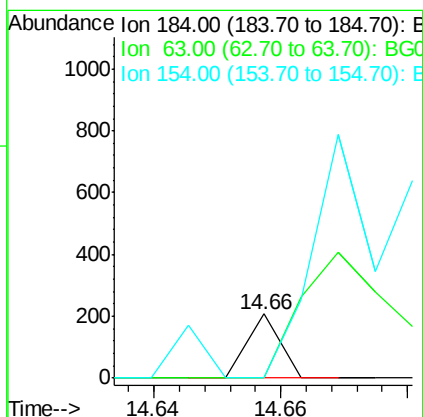
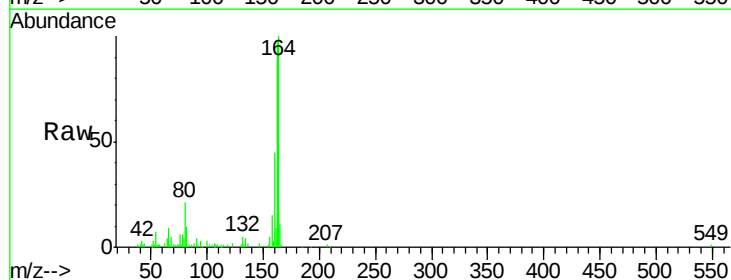
Instrument :
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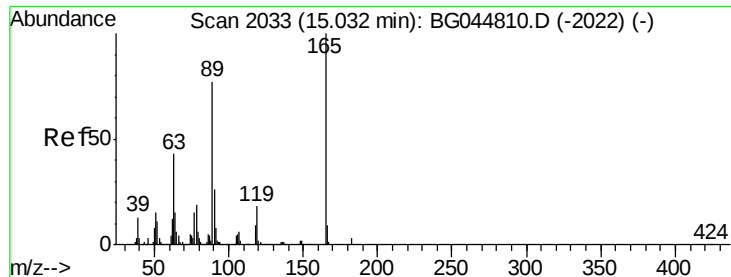
Tgt Ion:165 Resp: 26257
 Ion Ratio Lower Upper
 165 100
 63 1.7 45.8 68.8#
 89 2.4 51.8 77.6#



#54
 2,4-Dinitrophenol
 Concen: 8.36 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.12 min
 Lab File: BG044909.D
 Acq: 19 Mar 2020 22:54

Tgt Ion:184 Resp: 73
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.5 68.3#
 154 0.0 49.1 73.7#

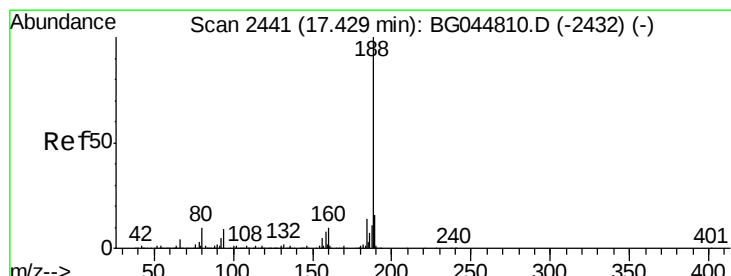
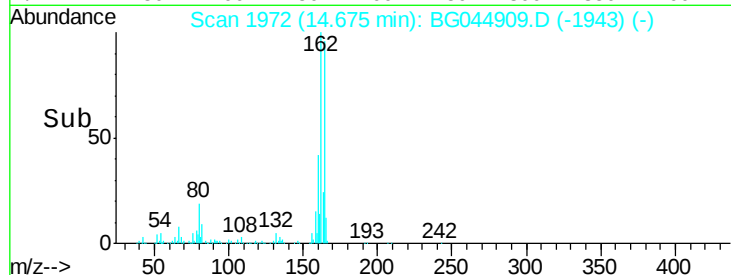
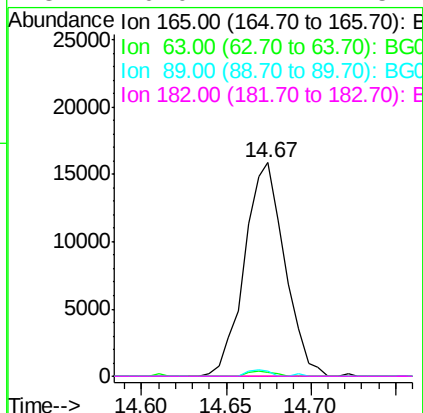
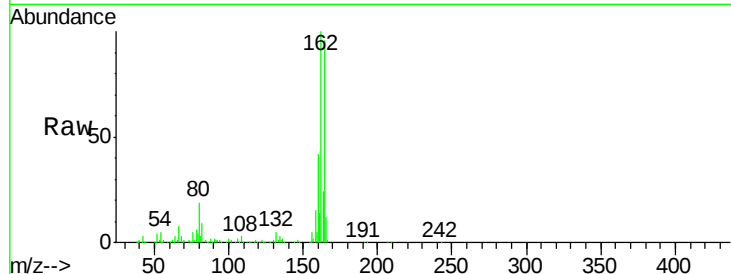




#57
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044909.D
Acq: 19 Mar 2020 22:54

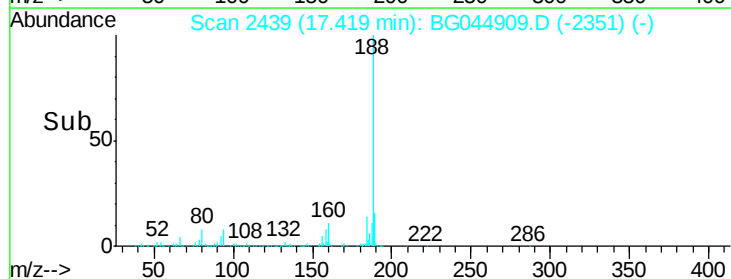
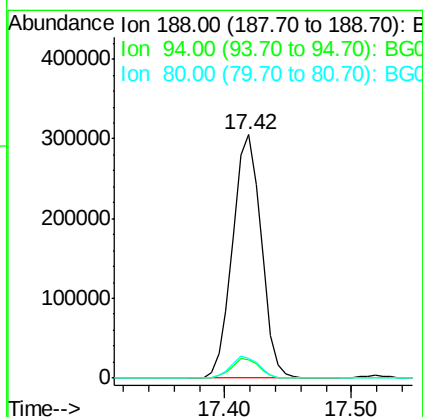
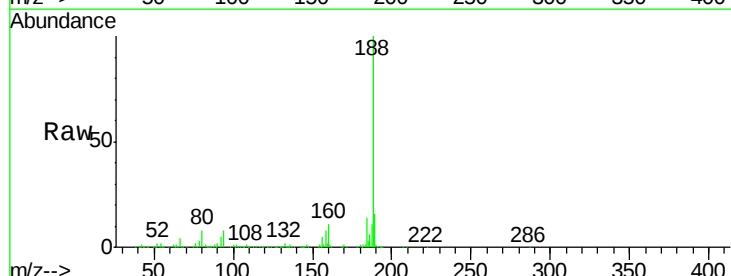
Instrument :
BNA_G
ClientSampleId :
TP-6A

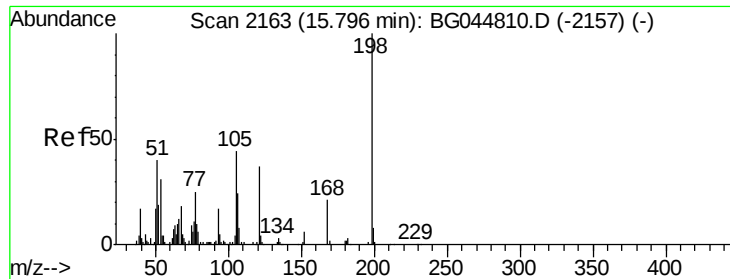
Tgt Ion:165 Resp: 26257
Ion Ratio Lower Upper
165 100
63 1.7 34.6 52.0#
89 2.4 61.3 91.9#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BG044909.D
Acq: 19 Mar 2020 22:54

Tgt Ion:188 Resp: 476740
Ion Ratio Lower Upper
188 100
94 7.7 7.3 10.9
80 7.9 8.0 12.0#

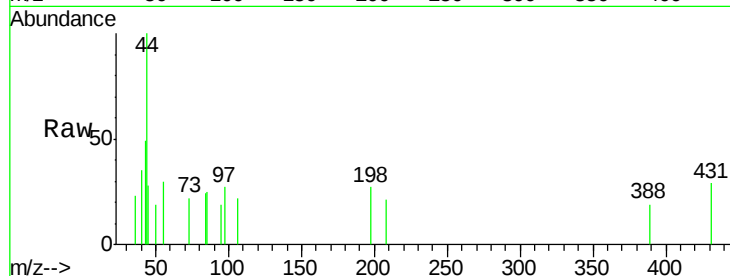




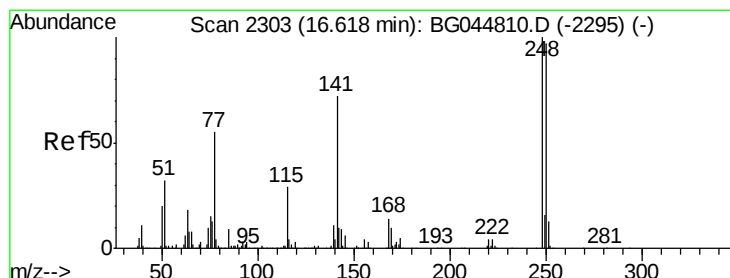
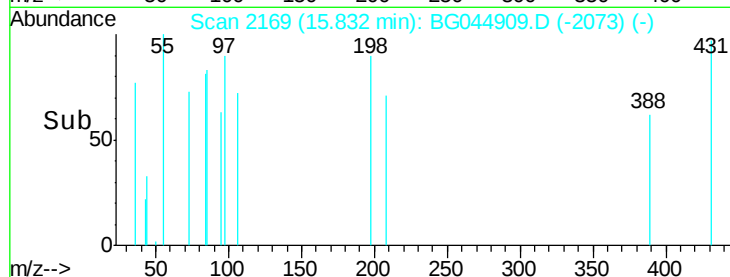
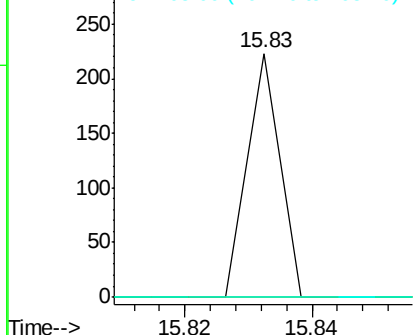
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.76 ng
 RT: 15.83 min Scan# 2169
 Delta R.T. 0.04 min
 Lab File: BG044909.D
 Acq: 19 Mar 2020 22:54

Instrument :
 BNA_G
 ClientSampleId :
 TP-6A

Tgt Ion:198 Resp: 79
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#

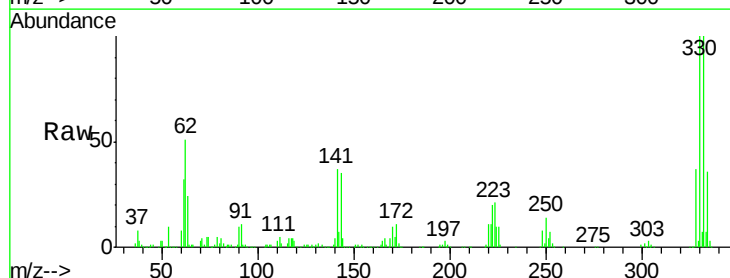


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

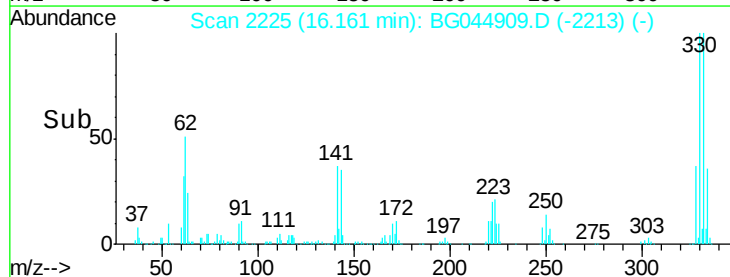
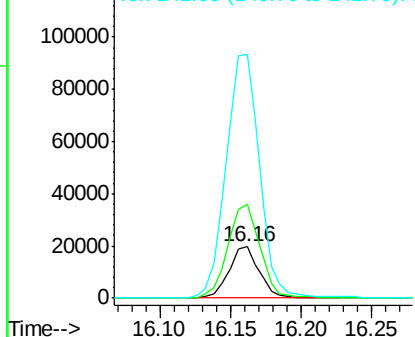


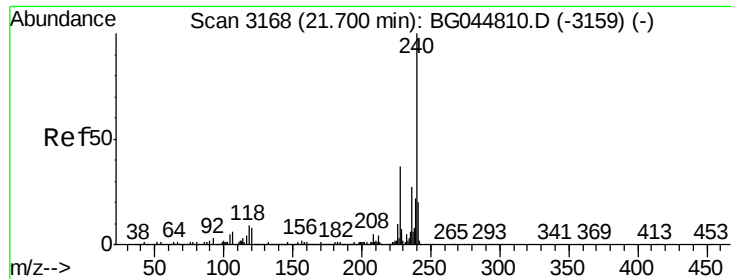
#67
 4-Bromophenyl-phenylether
 Concen: 4.97 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044909.D
 Acq: 19 Mar 2020 22:54

Tgt Ion:248 Resp: 29638
 Ion Ratio Lower Upper
 248 100
 250 181.5 77.9 116.9#
 141 472.0 57.5 86.3#



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

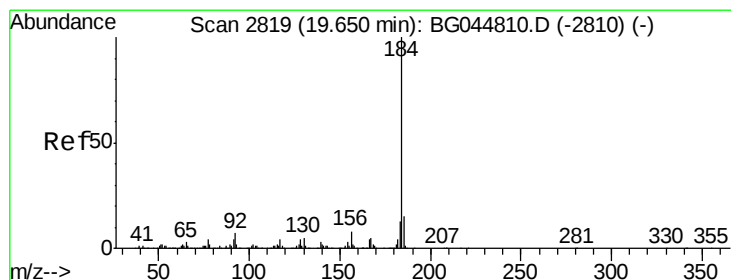
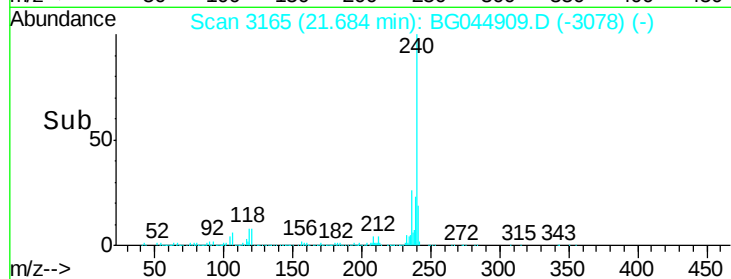
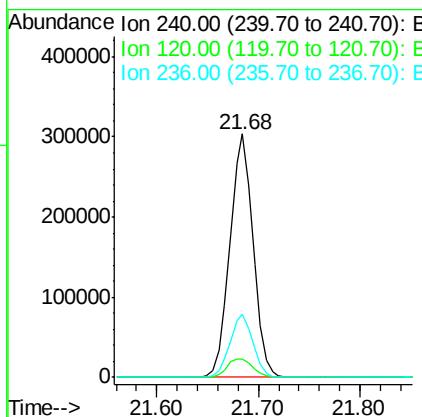
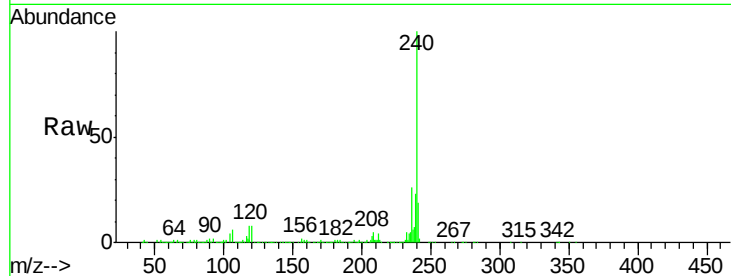




#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044909.D
 Acq: 19 Mar 2020 22:54

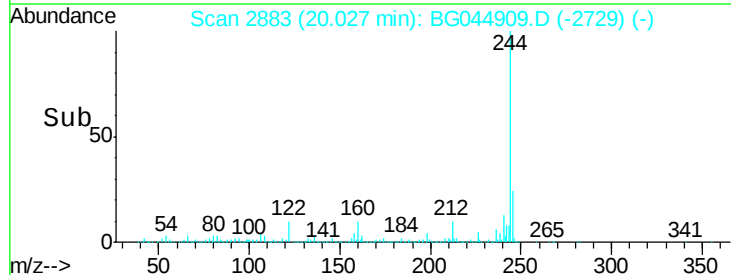
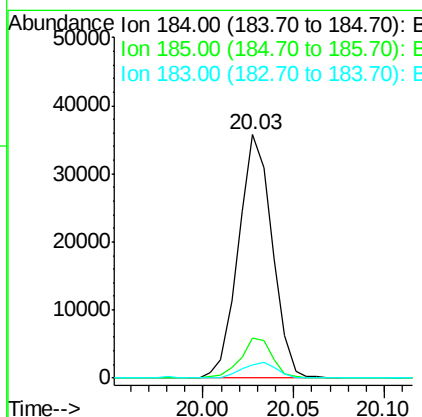
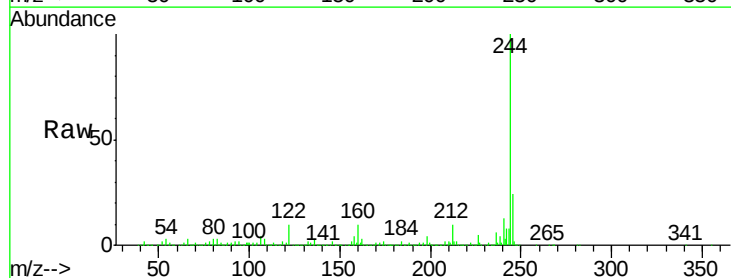
Instrument :
 BNA_G
 ClientSampleId :
 TP-6A

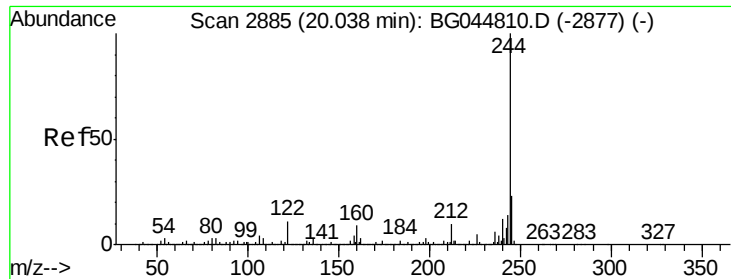
Tgt Ion:240 Resp: 481083
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.7 10.1
 236 26.1 21.5 32.3



#77
 Benzidine
 Concen: 2.96 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. 0.38 min
 Lab File: BG044909.D
 Acq: 19 Mar 2020 22:54

Tgt Ion:184 Resp: 46208
 Ion Ratio Lower Upper
 184 100
 185 16.2 12.2 18.4
 183 5.4 10.7 16.1#





#79

Terphenyl-d14

Concen: 88.58 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044909.D

Acq: 19 Mar 2020 22:54

Instrument :

BNA_G

ClientSampleId :

TP-6A

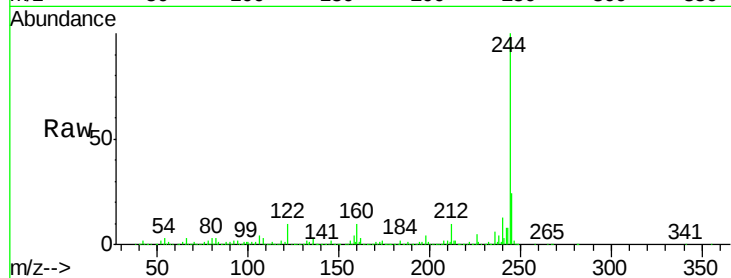
Tgt Ion:244 Resp: 2278131

Ion Ratio Lower Upper

244 100

212 10.1 7.7 11.5

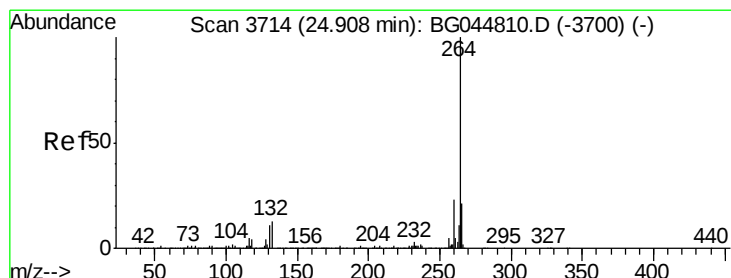
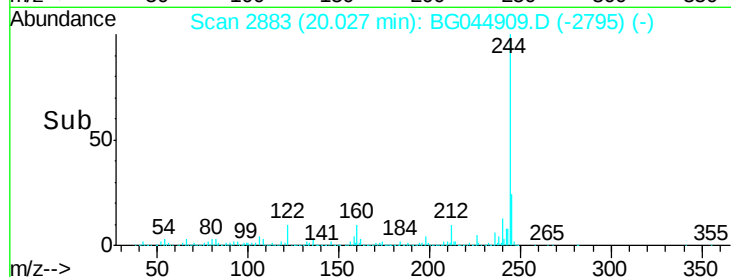
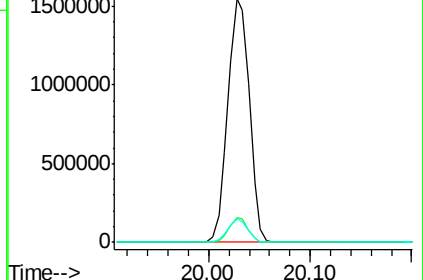
122 9.8 8.6 12.8



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# 3710

Delta R.T. -0.02 min

Lab File: BG044909.D

Acq: 19 Mar 2020 22:54

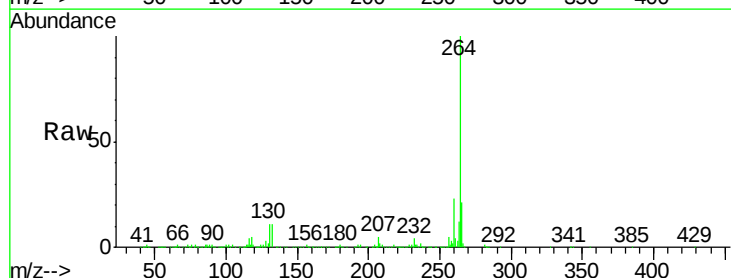
Tgt Ion:264 Resp: 542112

Ion Ratio Lower Upper

264 100

260 22.9 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

