

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044947.D
 Acq On : 25 Mar 2020 3:19
 Operator : CG/JU
 Sample : L1994-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3A

Quant Time: Mar 25 08:09:02 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

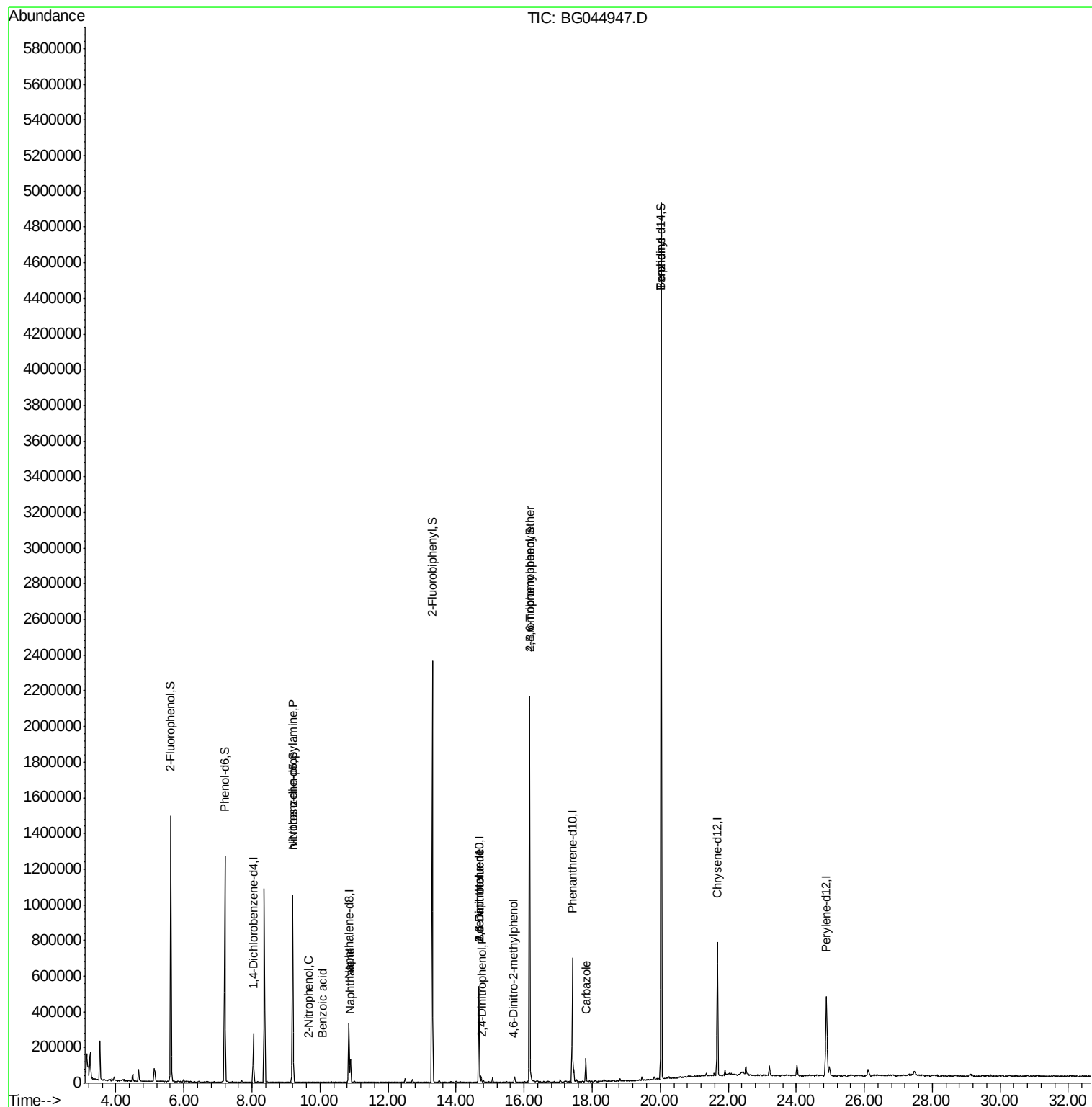
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	75950	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	295804	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	197243	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	447974	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	467612	20.00	ng	-0.02
87) Perylene-d12	24.89	264	497631	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	637709	130.71	ng	0.00
7) Phenol-d6	7.20	99	773665	109.14	ng	0.00
23) Nitrobenzene-d5	9.20	82	678913	100.71	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	440444	170.54	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1309206	95.05	ng	0.00
79) Terphenyl-d14	20.03	244	2351217	94.05	ng	0.00
Target Compounds						
9) Benzaldehyde	7.21	77	1574	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	90146	18.01 ng	#	78
26) 2-Nitrophenol	9.67	139	54	5.53 ng	#	1
31) Naphthalene	10.90	128	112694	6.88 ng	#	97
32) Benzoic acid	10.06	122	211	9.72 ng	#	1
51) 2,6-Dinitrotoluene	14.67	165	26332	8.32 ng	#	22
54) 2,4-Dinitrophenol	14.76	184	63	8.36 ng	#	1
57) 2,4-Dinitrotoluene	14.67	165	26332	6.06 ng	#	23
65) 4,6-Dinitro-2-methylphenol	15.68	198	61	7.75 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	29184	5.21 ng	#	1
73) Carbazole	17.82	167	90070	3.97 ng	#	95
77) Benzidine	20.03	184	46357	3.05 ng	#	92

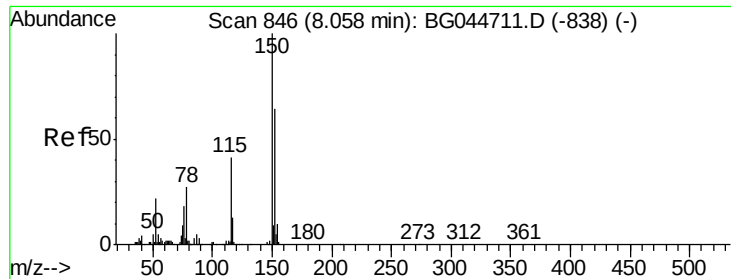
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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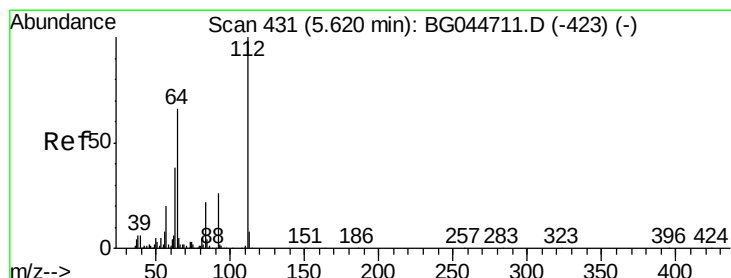
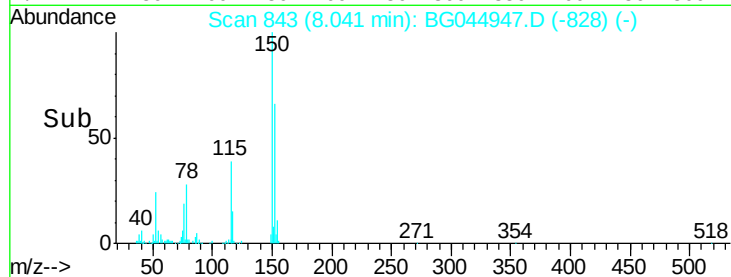
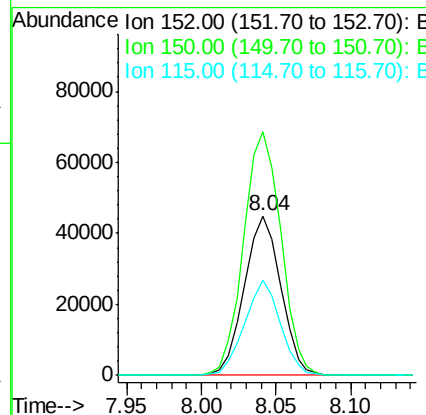
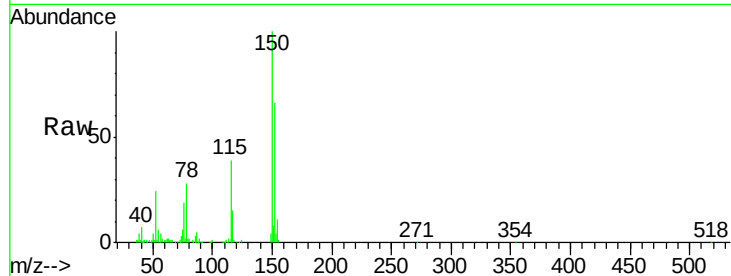


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG044947.D
 Acq: 25 Mar 2020 3:19

Instrument :
 BNA_G
 ClientSampleId :
 TP-3A

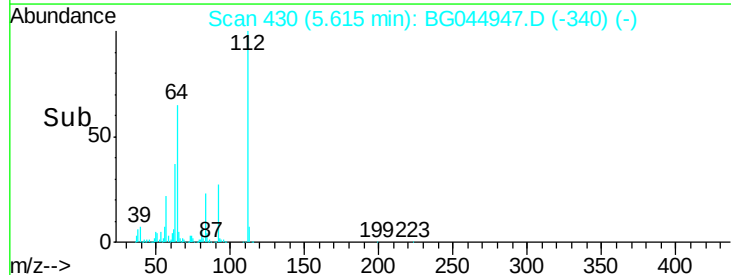
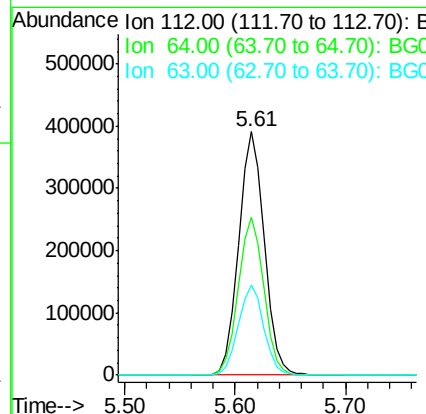
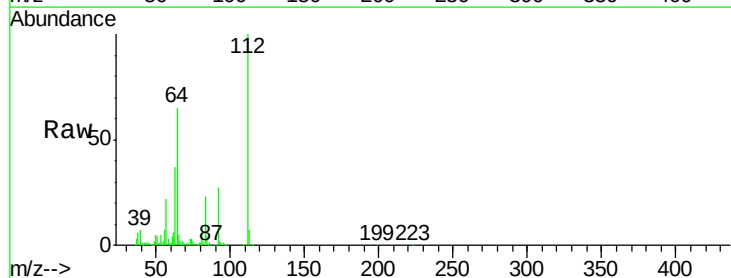
Tgt Ion:152 Resp: 75950
 Ion Ratio Lower Upper
 152 100
 150 152.5 128.8 193.2
 115 59.8 52.6 79.0

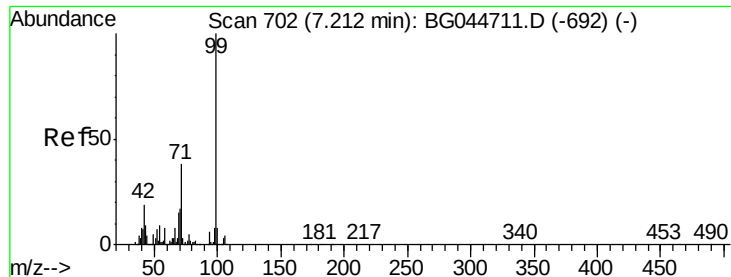


#5

2-Fluorophenol
 Concen: 130.71 ng
 RT: 5.61 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044947.D
 Acq: 25 Mar 2020 3:19

Tgt Ion:112 Resp: 637709
 Ion Ratio Lower Upper
 112 100
 64 64.8 53.4 80.2
 63 37.0 29.4 44.2





#7

Phenol-d6

Concen: 109.14 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044947.D

Acq: 25 Mar 2020 3:19

Instrument :

BNA_G

ClientSampled :

TP-3A

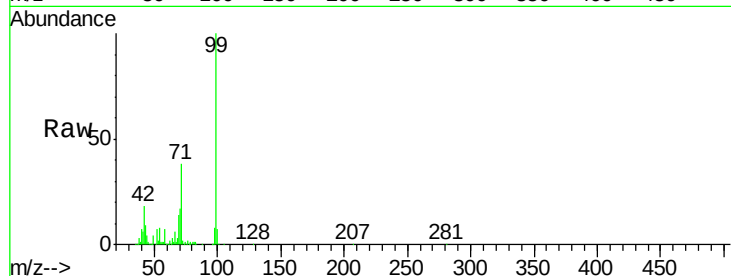
Tgt Ion: 99 Resp: 773665

Ion Ratio Lower Upper

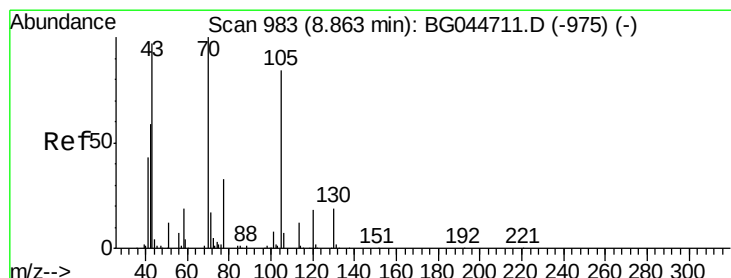
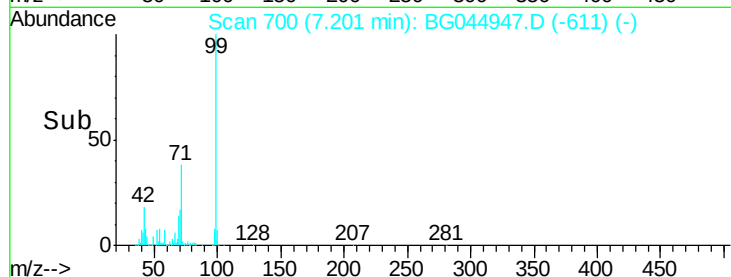
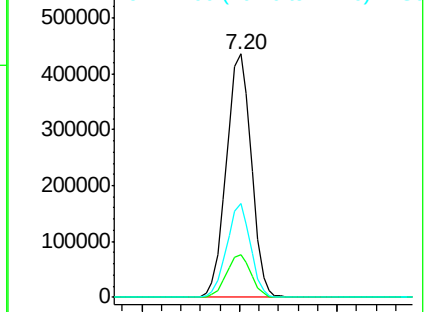
99 100

42 17.6 12.6 19.0

71 38.4 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: 18.01 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044947.D

Acq: 25 Mar 2020 3:19

Tgt Ion: 70 Resp: 90146

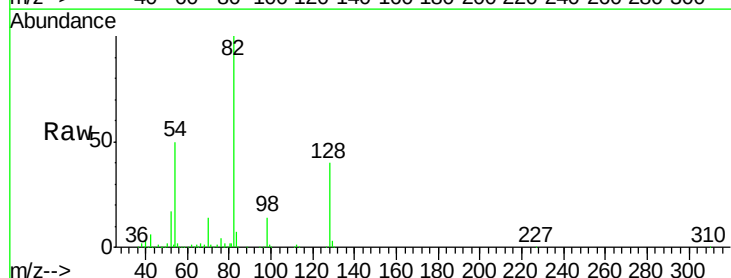
Ion Ratio Lower Upper

70 100

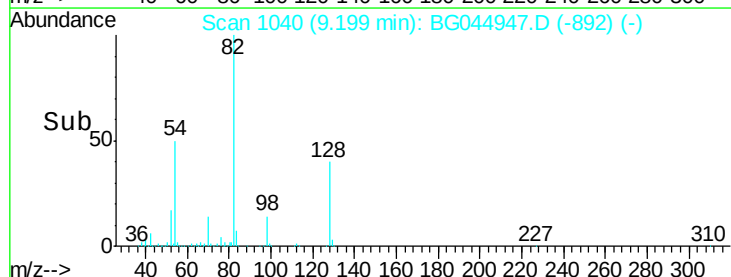
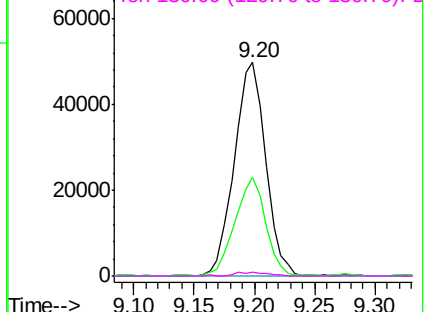
42 46.1 45.7 68.5

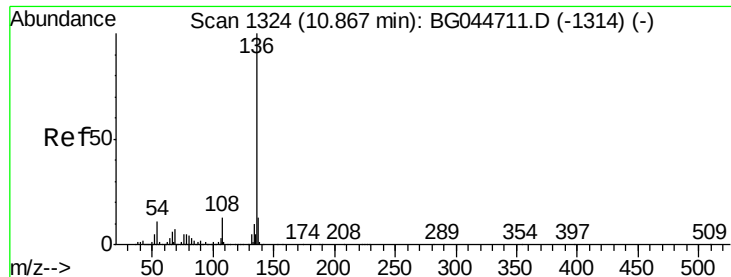
101 0.0 7.4 11.2#

130 1.7 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

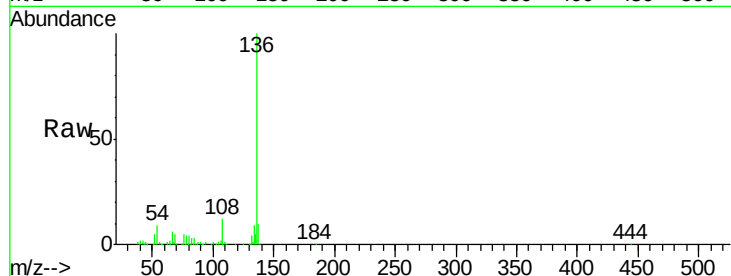




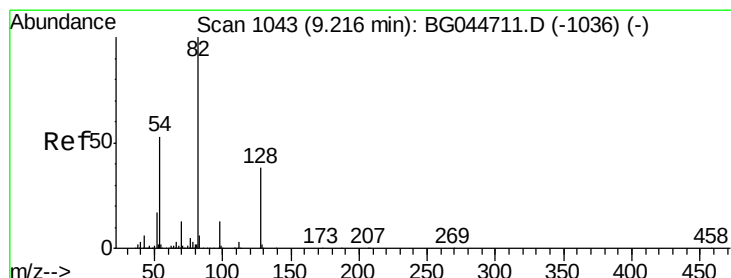
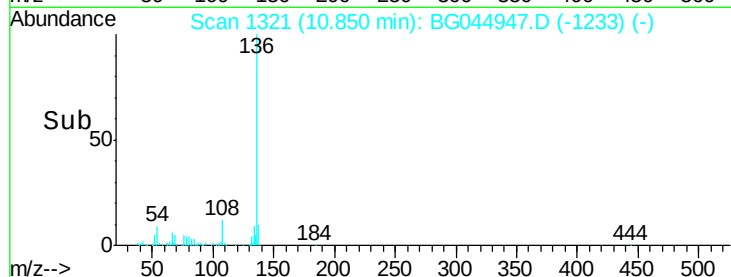
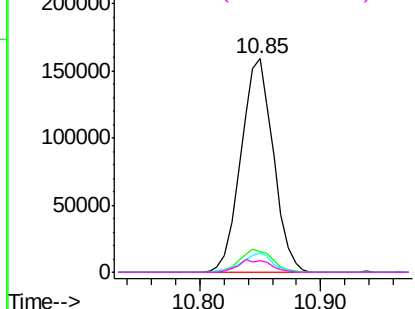
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044947.D
Acq: 25 Mar 2020 3:19

Instrument :
BNA_G
ClientSampleId :
TP-3A

Tgt Ion:	136	Resp:	295804
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.8	14.6#
54	9.0	7.9	11.9
68	5.5	5.4	8.0

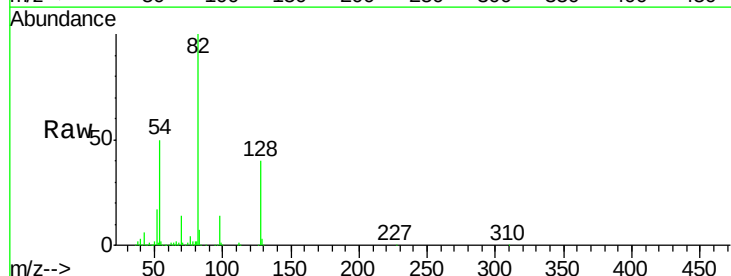


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

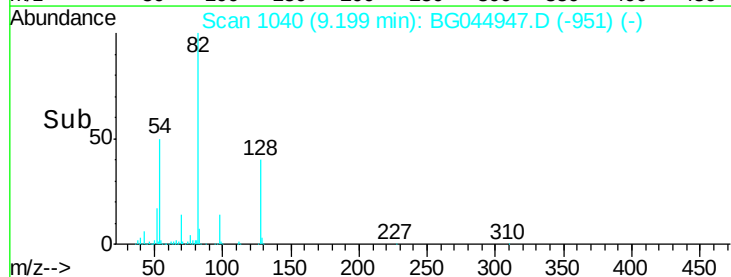
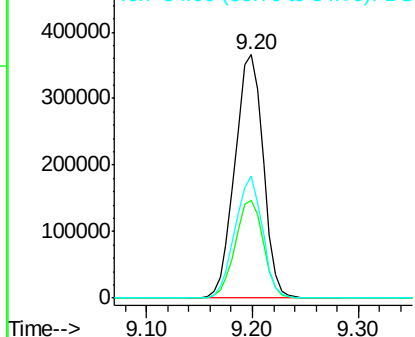


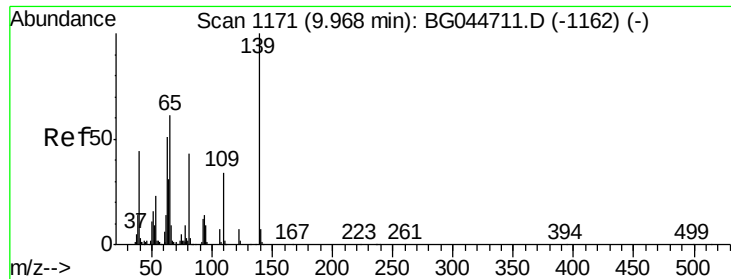
#23
Nitrobenzene-d5
Concen: 100.71 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044947.D
Acq: 25 Mar 2020 3:19

Tgt Ion:	82	Resp:	678913
Ion	Ratio	Lower	Upper
82	100		
128	39.9	30.6	46.0
54	49.9	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

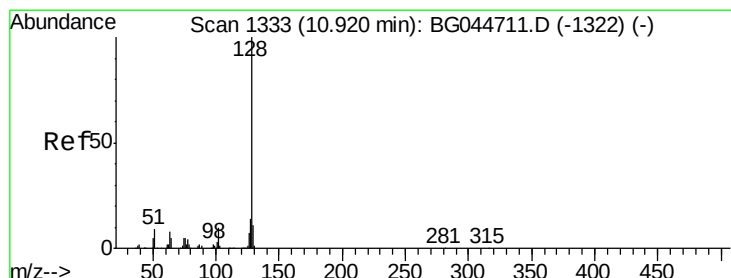
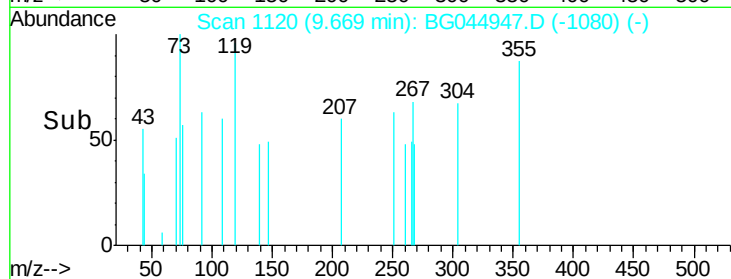
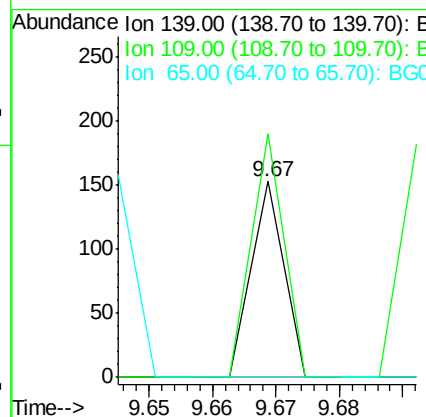
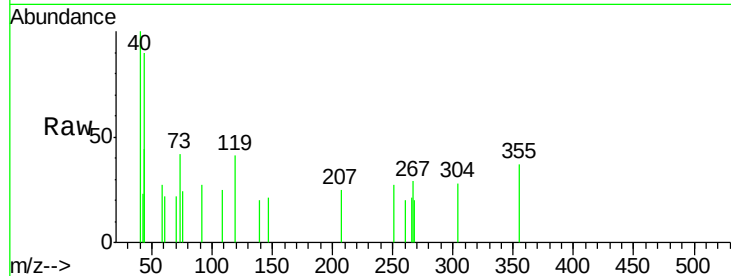




#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.67 min Scan# 1120
Delta R.T. -0.29 min
Lab File: BG044947.D
Acq: 25 Mar 2020 3:19

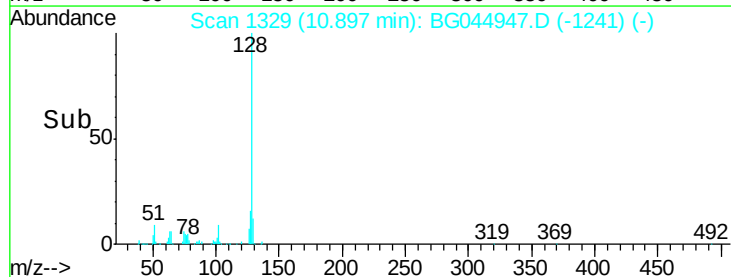
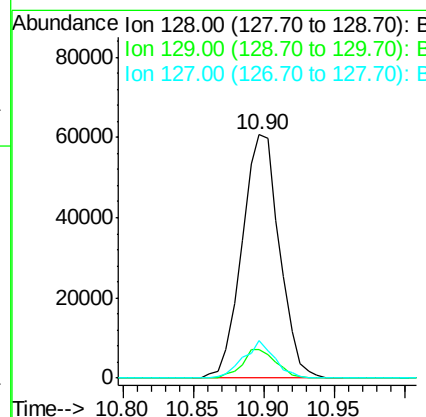
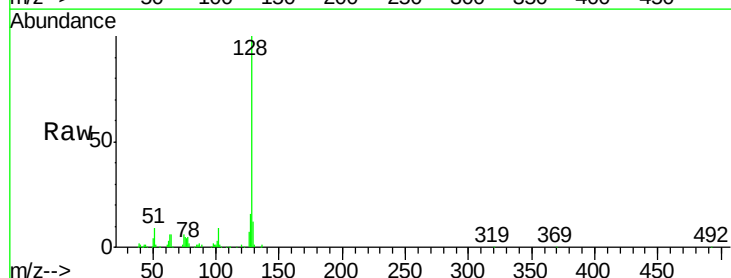
Instrument :
BNA_G
ClientSampleId :
TP-3A

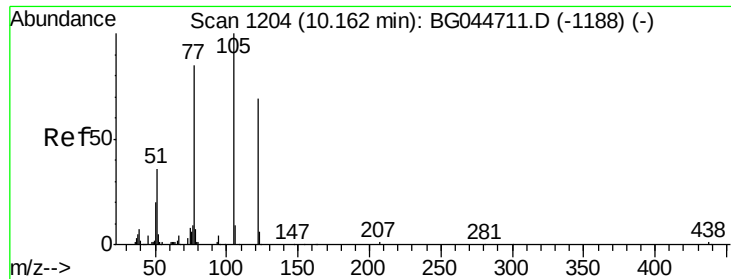
Tgt Ion	Ratio	Lower	Upper
139	100		
109	124.2	30.2	45.4#
65	0.0	46.3	69.5#



#31
Naphthalene
Concen: 6.88 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BG044947.D
Acq: 25 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.4
127	15.5	10.8	16.2





#32

Benzoic acid

Concen: 9.72 ng

RT: 10.06 min Scan# 1187

Delta R.T. -0.08 min

Lab File: BG044947.D

Acq: 25 Mar 2020 3:19

Instrument :

BNA_G

ClientSampleId :

TP-3A

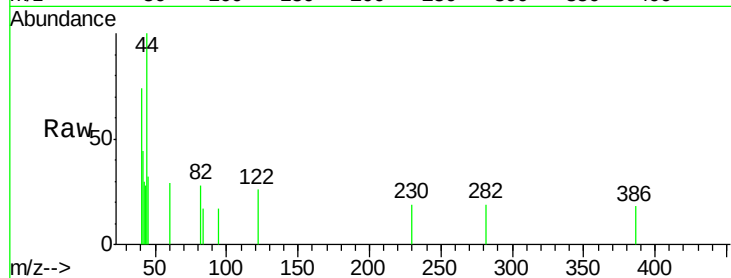
Tgt Ion:122 Resp: 211

Ion Ratio Lower Upper

122 100

105 0.0 109.1 149.1#

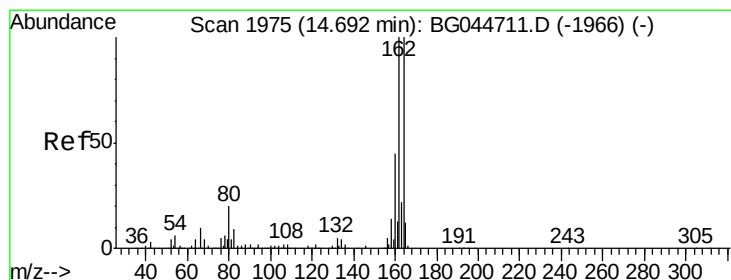
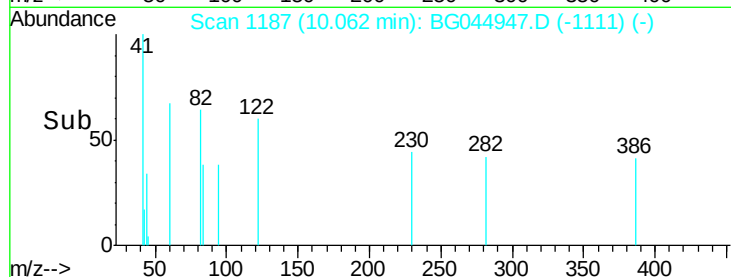
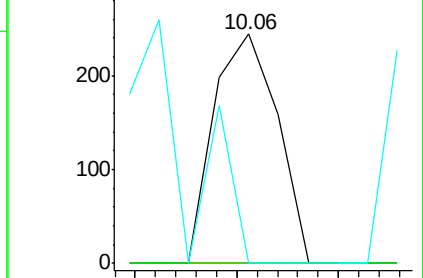
77 0.0 85.3 125.3#



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: BG044947.D

Acq: 25 Mar 2020 3:19

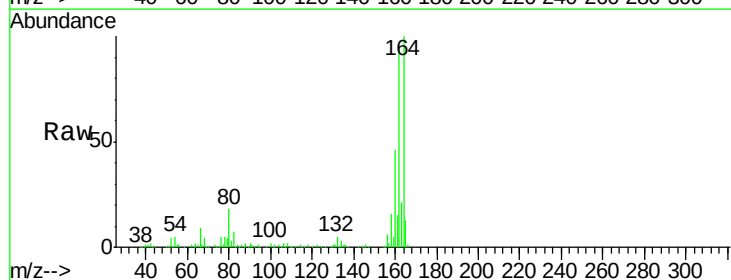
Tgt Ion:164 Resp: 197243

Ion Ratio Lower Upper

164 100

162 96.4 76.7 115.1

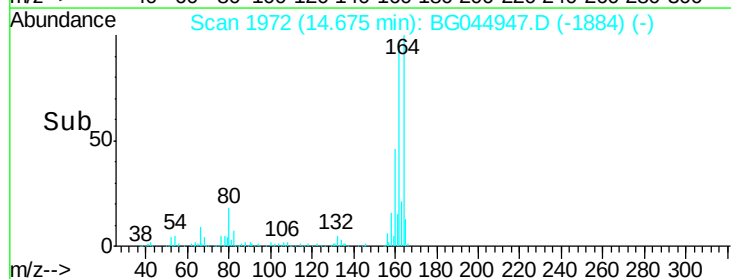
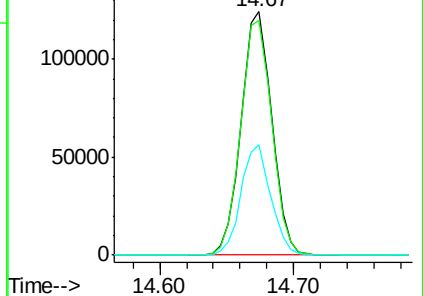
160 45.6 35.0 52.4

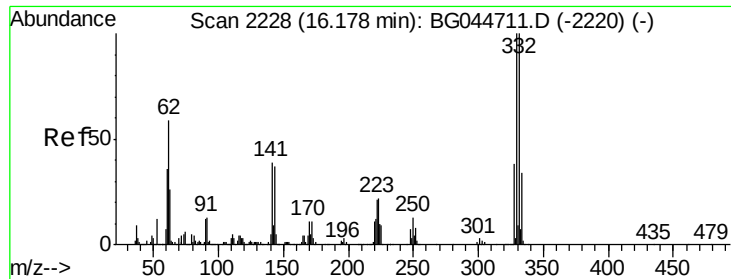


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

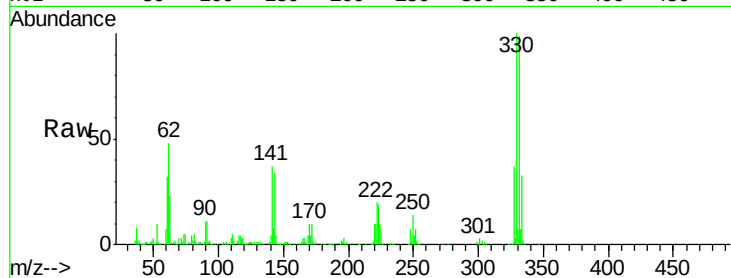




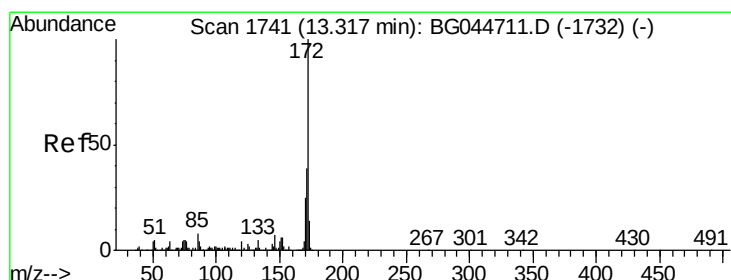
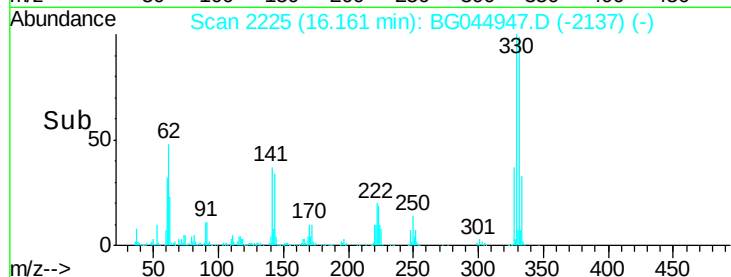
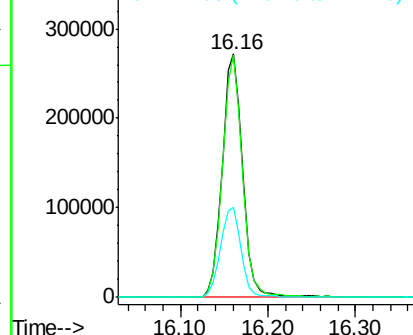
#42
 2,4,6-Tribromophenol
 Concen: 170.54 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG044947.D
 Acq: 25 Mar 2020 3:19

Instrument :
 BNA_G
 ClientSampleId :
 TP-3A

Tgt Ion:330 Resp: 440444
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.8 116.6
 141 37.6 29.5 44.3

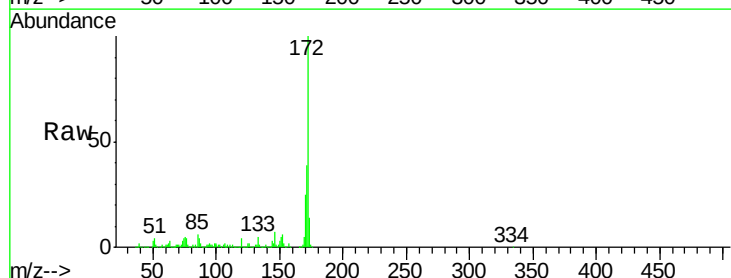


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

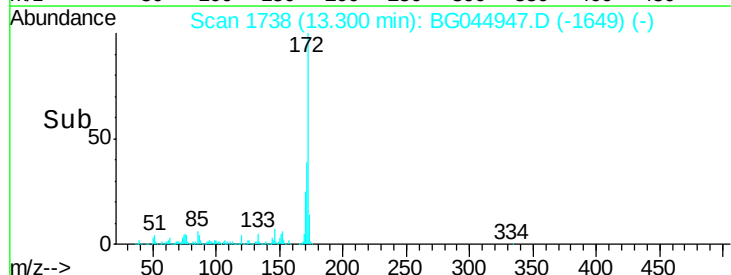
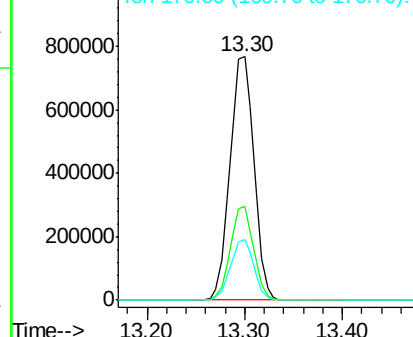


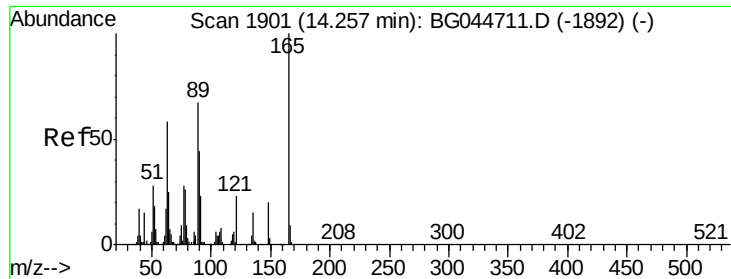
#45
 2-Fluorobiphenyl
 Concen: 95.05 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG044947.D
 Acq: 25 Mar 2020 3:19

Tgt Ion:172 Resp: 1309206
 Ion Ratio Lower Upper
 172 100
 171 38.7 28.7 43.1
 170 25.1 19.0 28.6



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

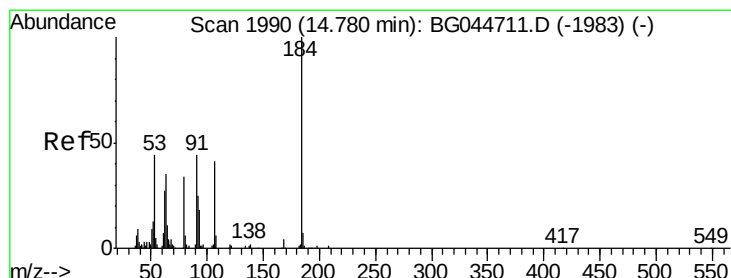
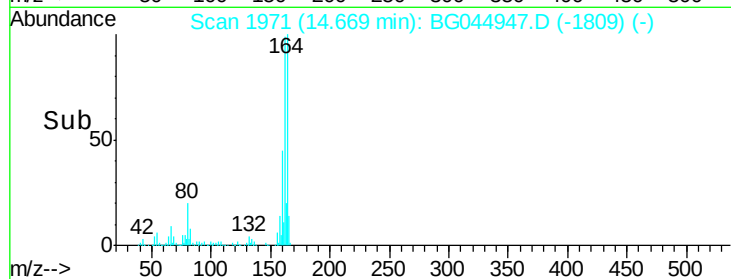
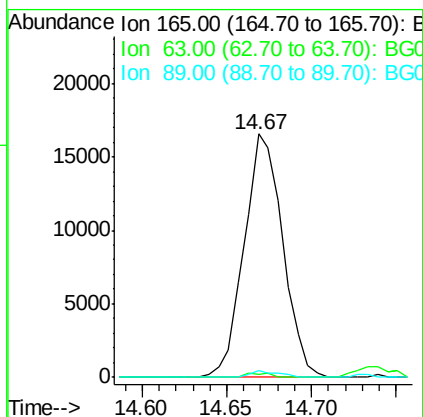
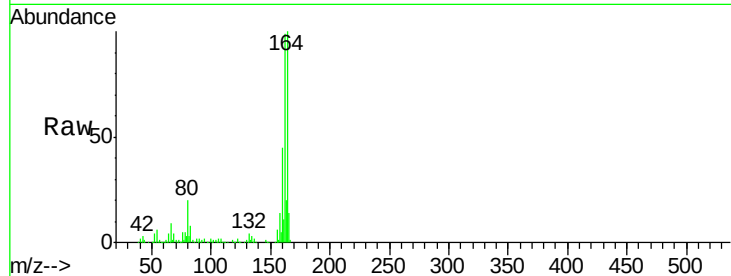




#51
 2,6-Dinitrotoluene
 Concen: 8.32 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.42 min
 Lab File: BG044947.D
 Acq: 25 Mar 2020 3:19

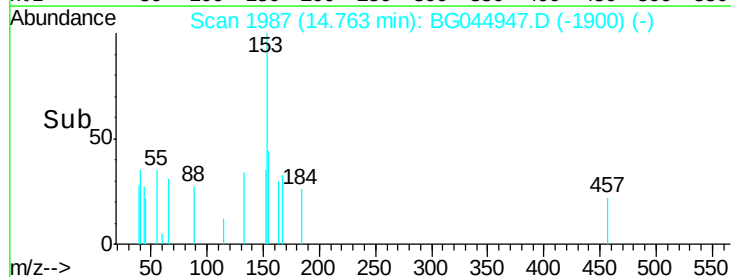
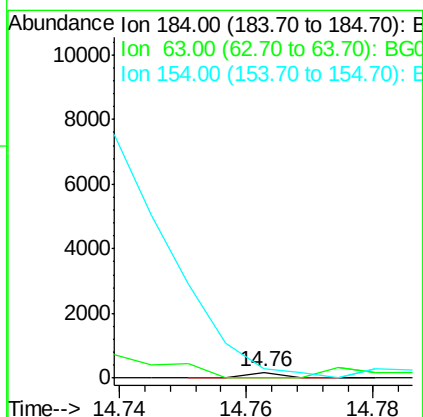
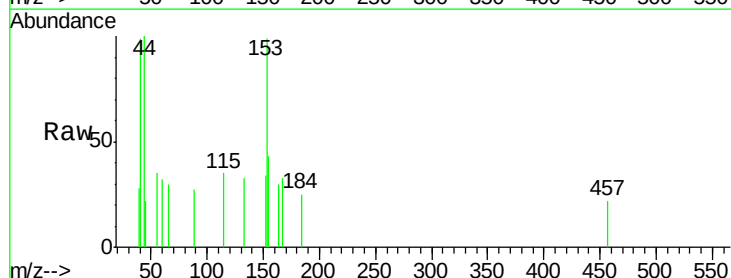
Instrument :
 BNA_G
 ClientSampleId :
 TP-3A

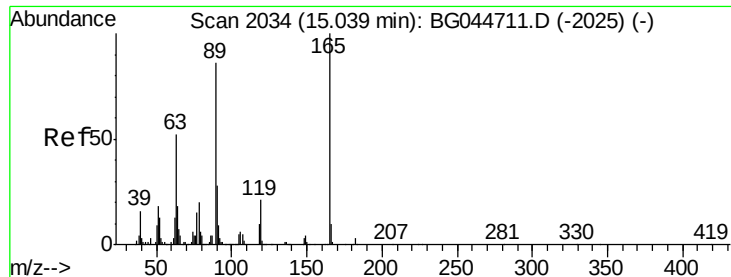
Tgt Ion:165 Resp: 26332
 Ion Ratio Lower Upper
 165 100
 63 1.2 45.8 68.8#
 89 2.6 51.8 77.6#



#54
 2,4-Dinitrophenol
 Concen: 8.36 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.02 min
 Lab File: BG044947.D
 Acq: 25 Mar 2020 3:19

Tgt Ion:184 Resp: 63
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.5 68.3#
 154 170.6 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 6.06 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.36 min

Lab File: BG044947.D

Acq: 25 Mar 2020 3:19

Instrument :

BNA_G

ClientSampleId :

TP-3A

Tgt Ion:165 Resp: 26332

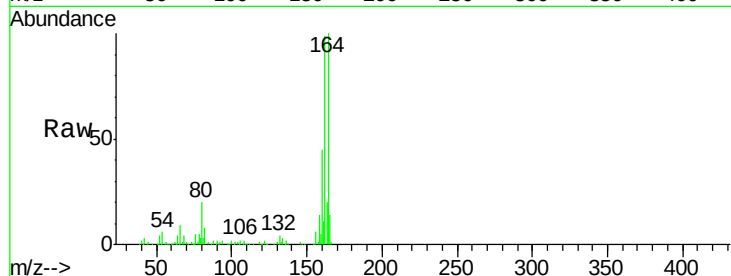
Ion Ratio Lower Upper

165 100

63 1.2 34.6 52.0#

89 2.6 61.3 91.9#

182 0.0 2.2 3.2#

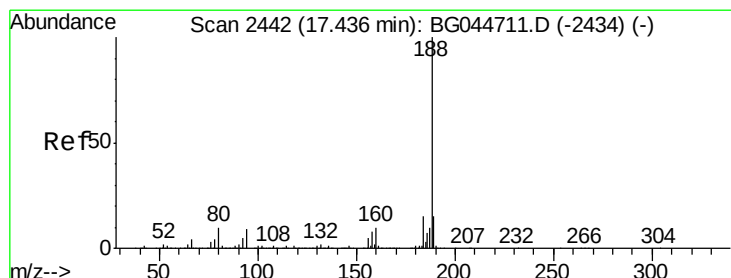
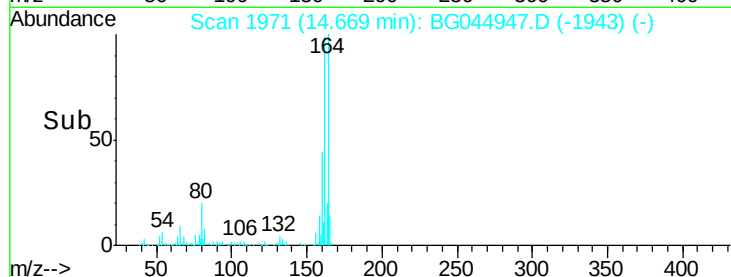
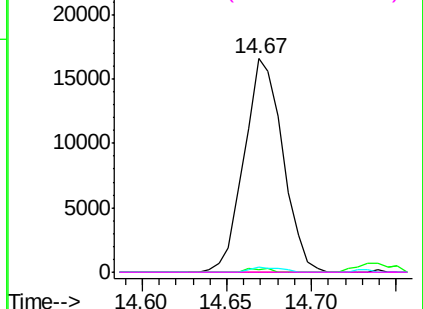


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044947.D

Acq: 25 Mar 2020 3:19

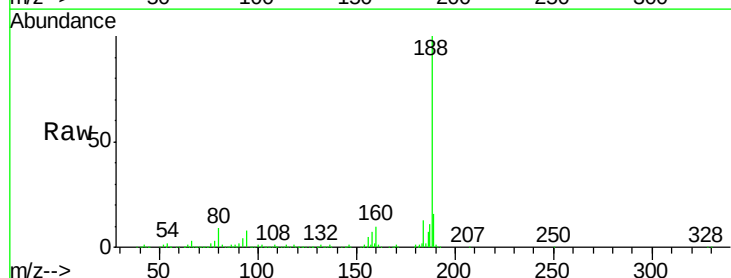
Tgt Ion:188 Resp: 447974

Ion Ratio Lower Upper

188 100

94 7.8 7.3 10.9

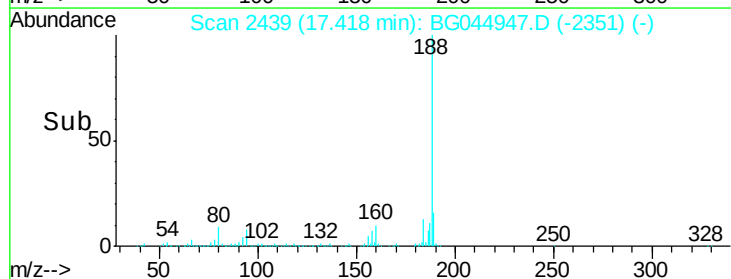
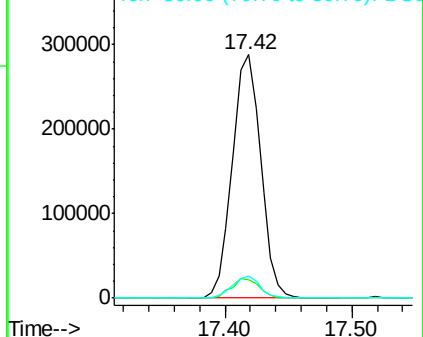
80 8.9 8.0 12.0

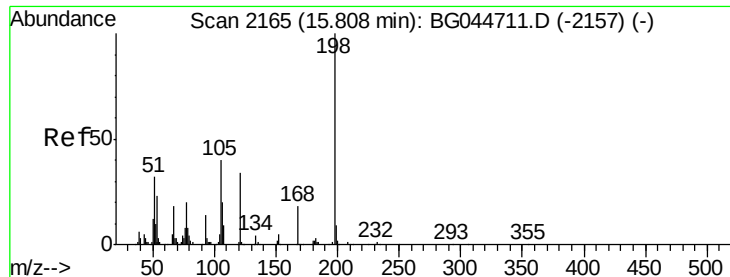


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

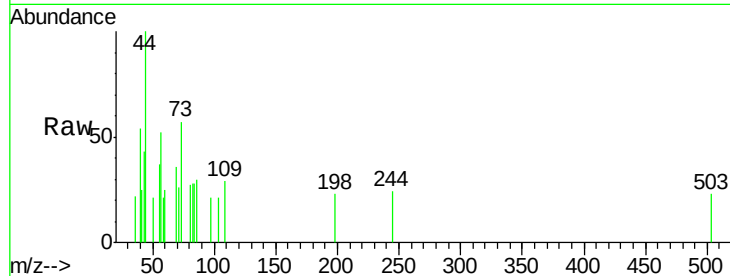




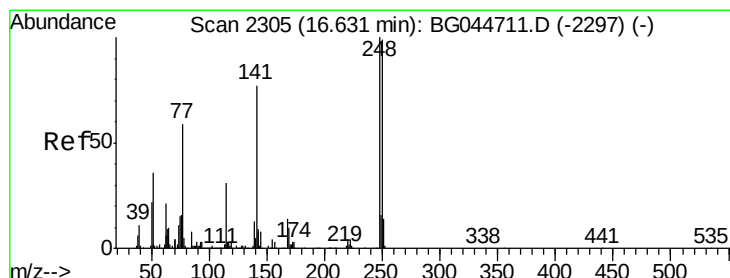
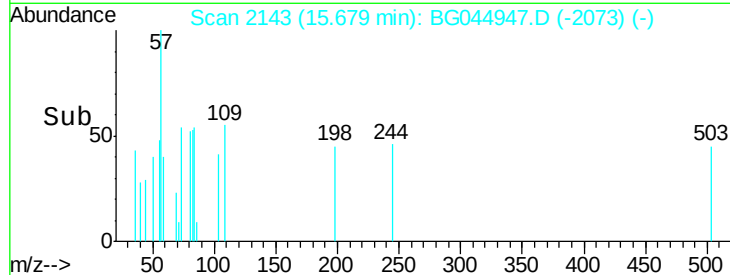
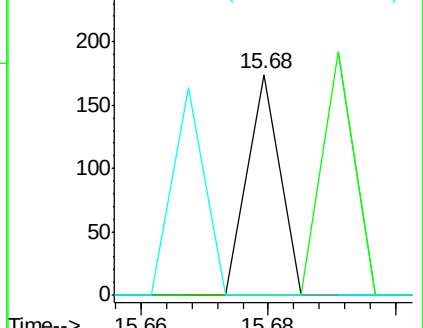
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.75 ng
 RT: 15.68 min Scan# 2143
 Delta R.T. -0.12 min
 Lab File: BG044947.D
 Acq: 25 Mar 2020 3:19

Instrument :
 BNA_G
 ClientSampleId :
 TP-3A

Tgt Ion:198 Resp: 61
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#

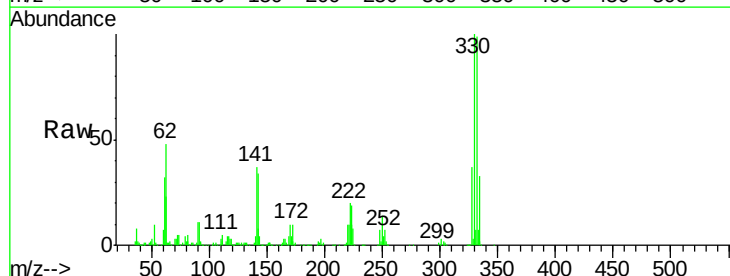


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

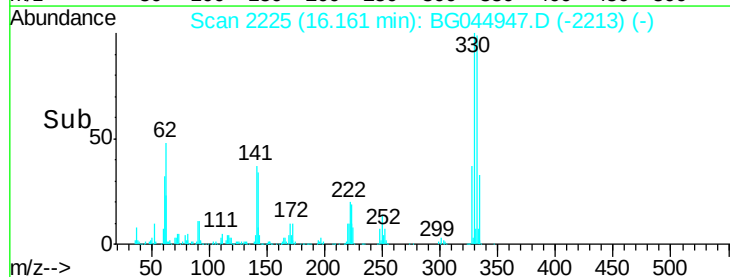
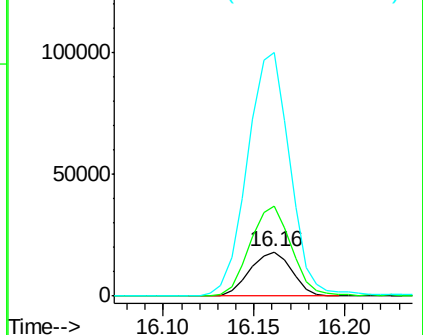


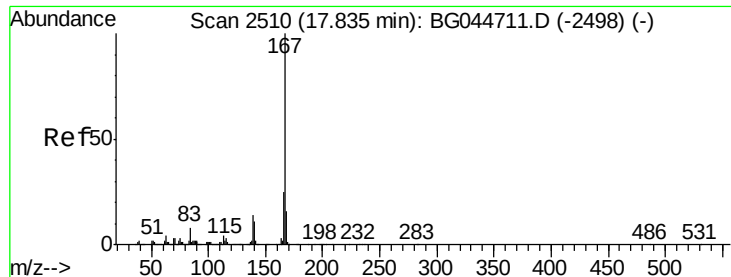
#67
 4-Bromophenyl-phenylether
 Concen: 5.21 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044947.D
 Acq: 25 Mar 2020 3:19

Tgt Ion:248 Resp: 29184
 Ion Ratio Lower Upper
 248 100
 250 203.2 77.9 116.9#
 141 549.8 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





#73

Carbazole

Concen: 3.97 ng

RT: 17.82 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG044947.D

Acq: 25 Mar 2020 3:19

Instrument :

BNA_G

ClientSampleId :

TP-3A

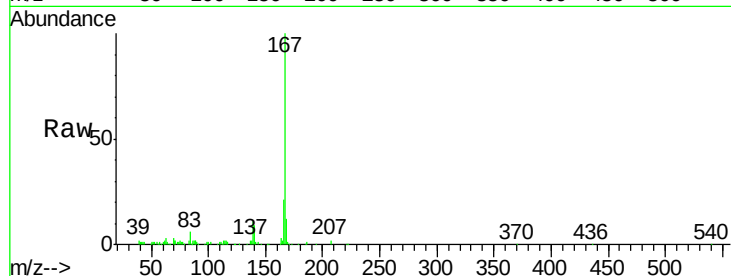
Tgt Ion:167 Resp: 90070

Ion Ratio Lower Upper

167 100

166 20.9 18.8 28.2

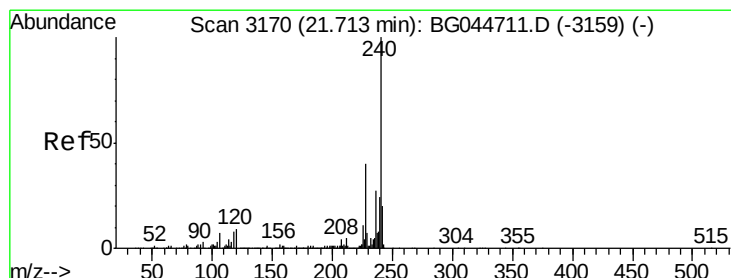
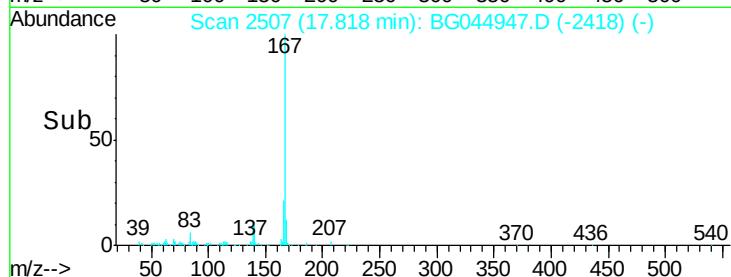
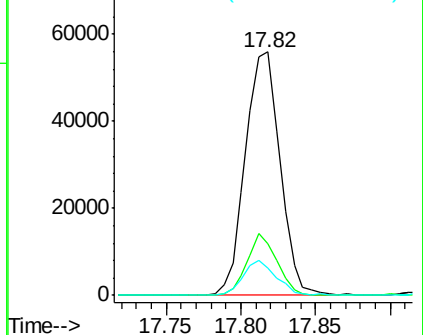
139 11.4 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG044947.D

Acq: 25 Mar 2020 3:19

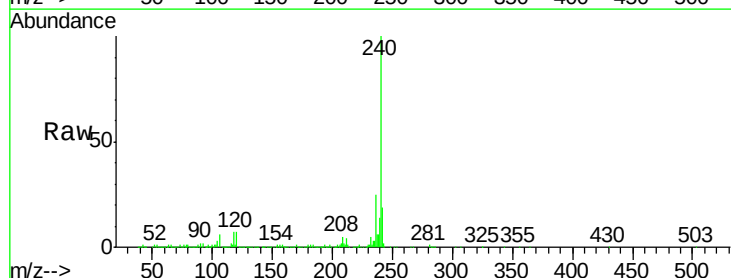
Tgt Ion:240 Resp: 467612

Ion Ratio Lower Upper

240 100

120 7.2 6.7 10.1

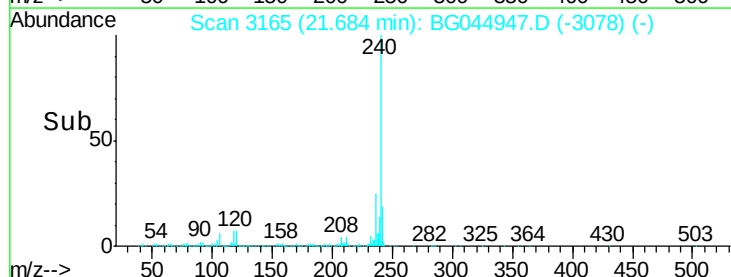
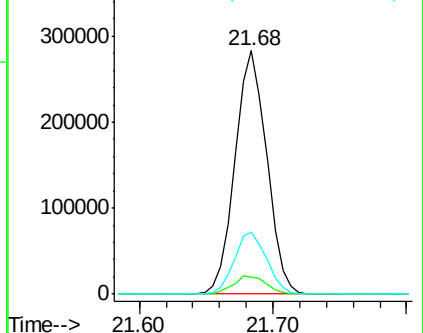
236 25.3 21.5 32.3

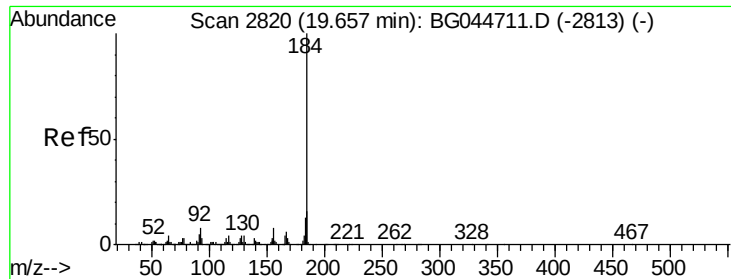


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.05 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044947.D

Acq: 25 Mar 2020 3:19

Instrument :

BNA_G

ClientSampleId :

TP-3A

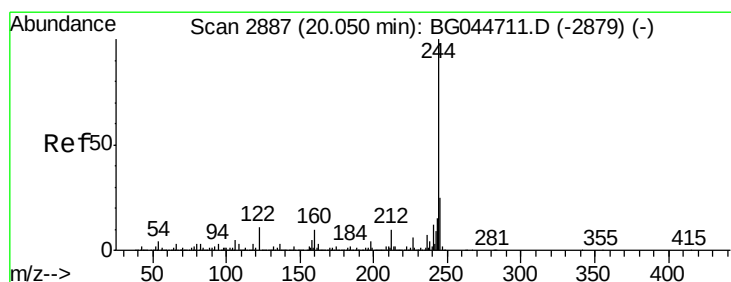
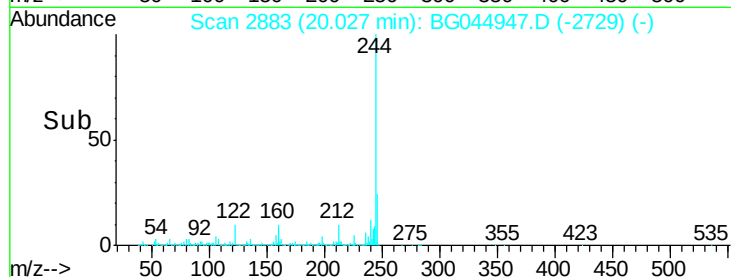
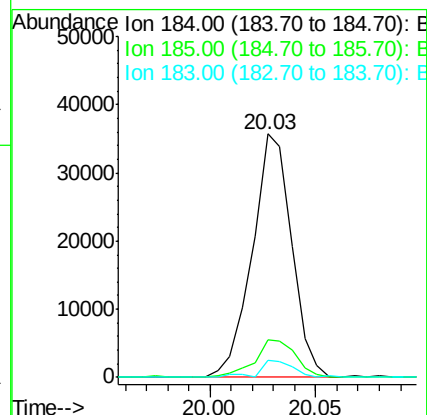
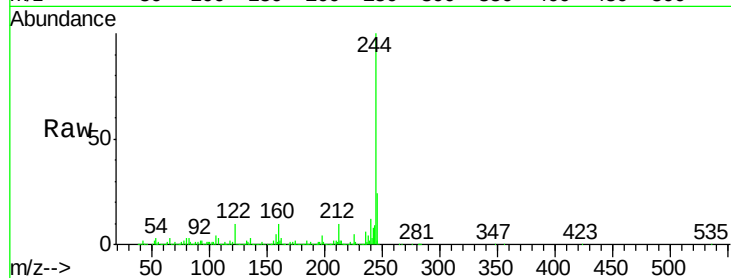
Tgt Ion:184 Resp: 46357

Ion Ratio Lower Upper

184 100

185 15.6 12.2 18.4

183 7.1 10.7 16.1#



#79

Terphenyl-d14

Concen: 94.05 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044947.D

Acq: 25 Mar 2020 3:19

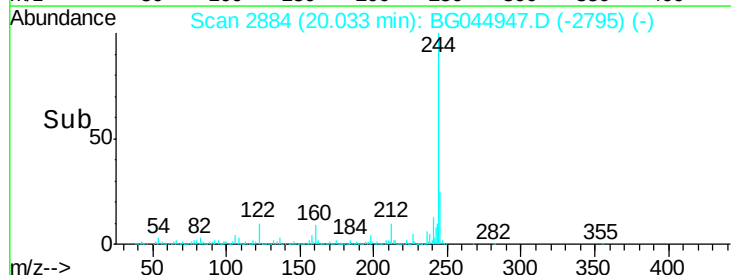
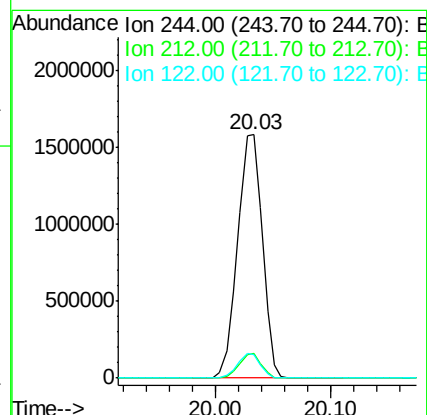
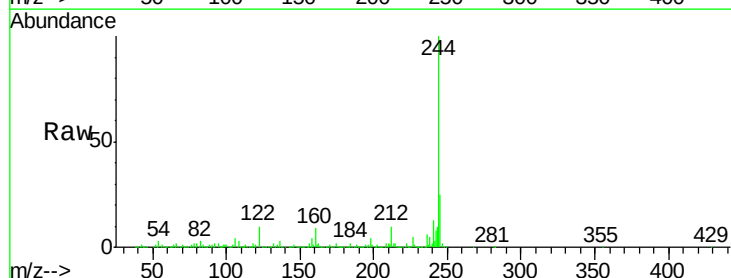
Tgt Ion:244 Resp: 2351217

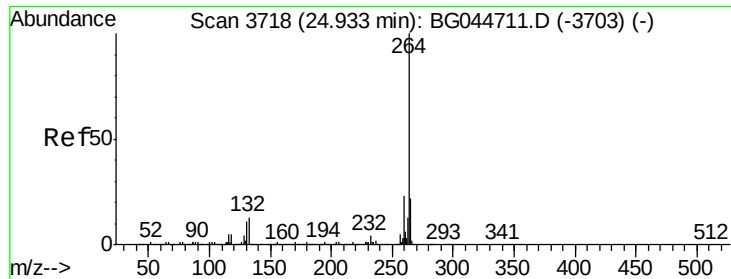
Ion Ratio Lower Upper

244 100

212 10.1 7.7 11.5

122 9.7 8.6 12.8





#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044947.D
Acq: 25 Mar 2020 3:19

Instrument :
BNA_G
ClientSampleId :
TP-3A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.1	27.1
265	21.7	17.1	25.7

