

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040720\
 Data File : BG044958.D
 Acq On : 7 Apr 2020 17:01
 Operator : CG/JU
 Sample : L2166-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-47-COMP

Quant Time: Apr 08 02:23:31 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

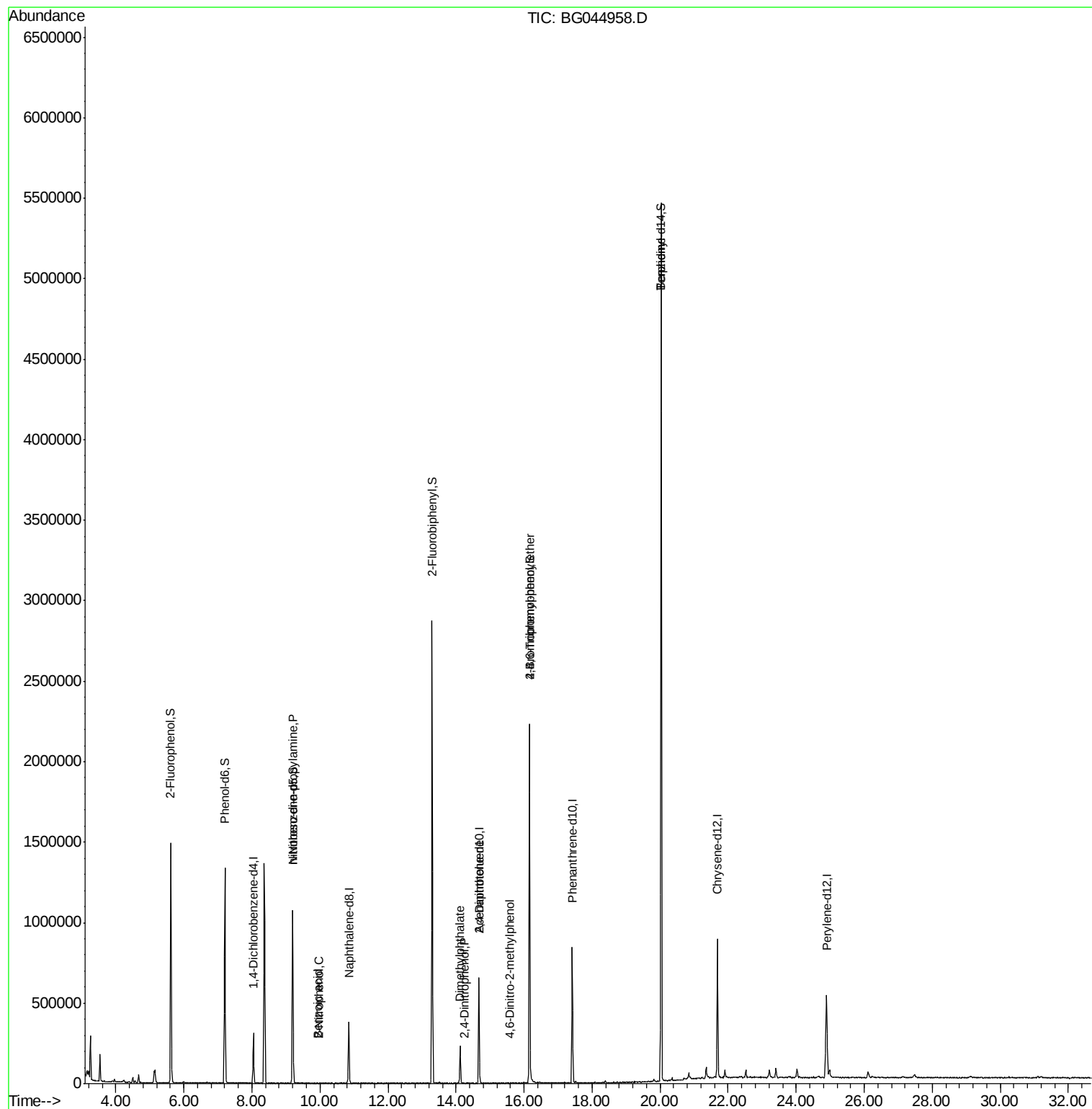
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	94474	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	349329	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	235980	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	538443	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	554634	20.00	ng	-0.02
87) Perylene-d12	24.89	264	585374	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	715059	117.82	ng	0.00
7) Phenol-d6	7.20	99	889094	100.83	ng	0.00
23) Nitrobenzene-d5	9.20	82	726471	91.26	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	477354	154.49	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1591714	96.59	ng	0.00
79) Terphenyl-d14	20.03	244	2603641	87.81	ng	0.00
Target Compounds						
9) Benzaldehyde	7.14	77	76	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	93982	15.09 ng	#	70
26) 2-Nitrophenol	9.97	139	66	5.54 ng	#	28
32) Benzoic acid	9.94	122	67	9.68 ng	#	1
50) Dimethylphthalate	14.12	163	167995	8.94 ng		96
54) 2,4-Dinitrophenol	14.26	184	60	8.35 ng	#	21
57) 2,4-Dinitrotoluene	14.67	165	30945	5.96 ng	#	21
65) 4,6-Dinitro-2-methylphenol	15.58	198	86	7.76 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	30633	4.55 ng	#	1
77) Benzidine	20.03	184	51080	2.84 ng	#	88

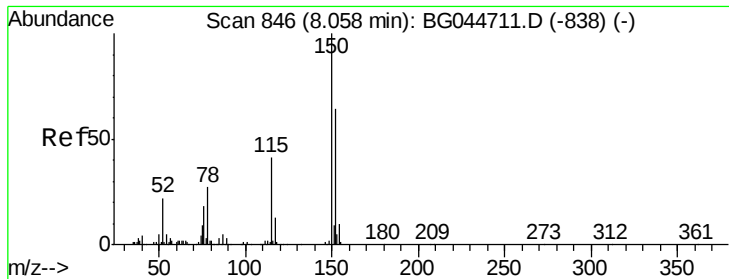
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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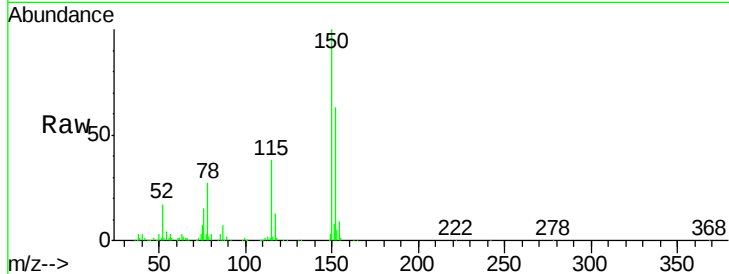


#1

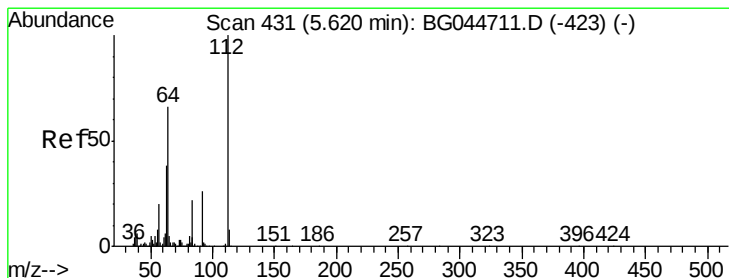
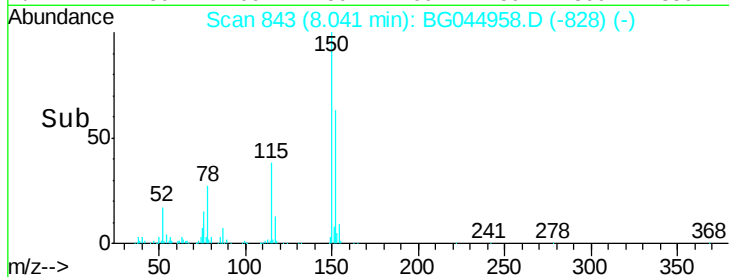
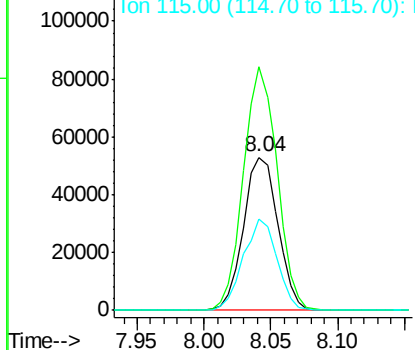
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044958.D
Acq: 7 Apr 2020 17:01

Instrument :
BNA_G
ClientSampleId :
TP-47-COMP

Tgt Ion:152 Resp: 94474
Ion Ratio Lower Upper
152 100
150 158.9 128.8 193.2
115 59.9 52.6 79.0



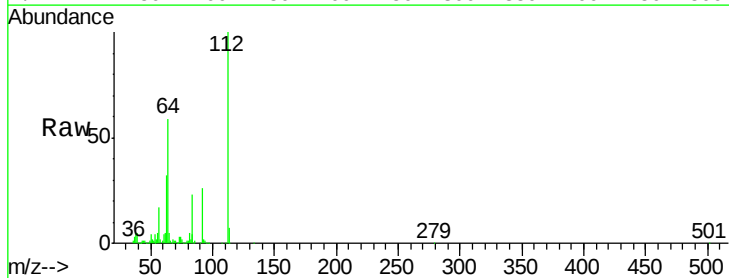
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



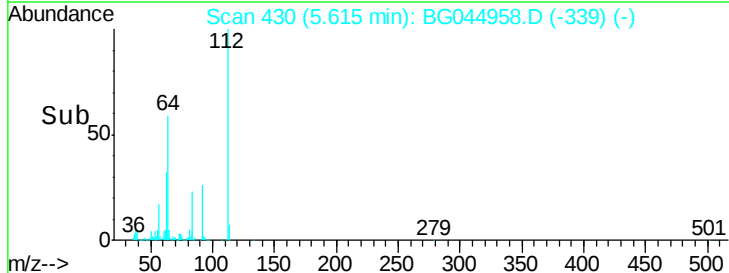
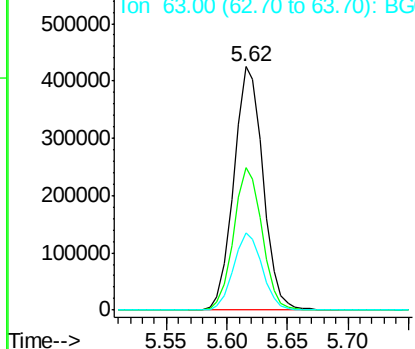
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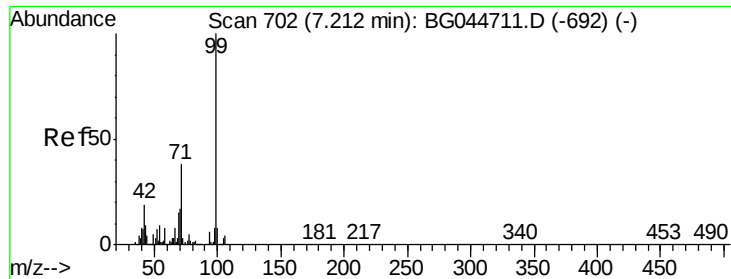
2-Fluorophenol
Concen: 117.82 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044958.D
Acq: 7 Apr 2020 17:01

Tgt Ion:112 Resp: 715059
Ion Ratio Lower Upper
112 100
64 58.6 53.4 80.2
63 31.8 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: 100.83 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044958.D

Acq: 7 Apr 2020 17:01

Instrument :

BNA_G

ClientSampleId :

TP-47-COMP

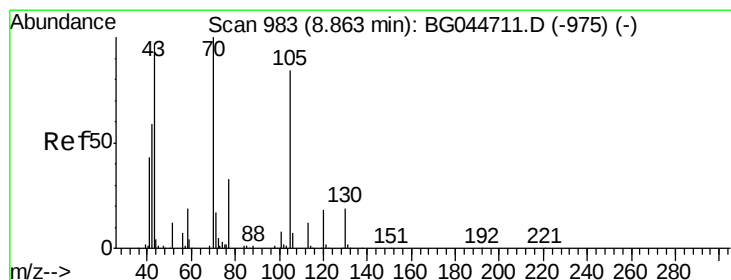
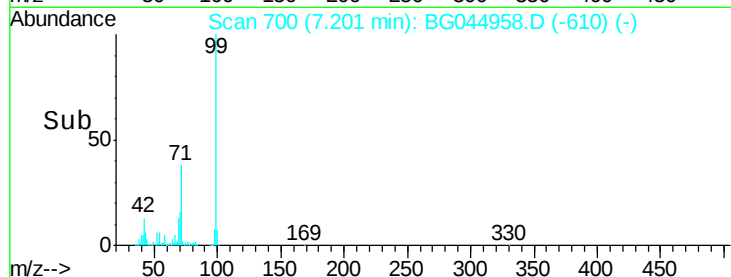
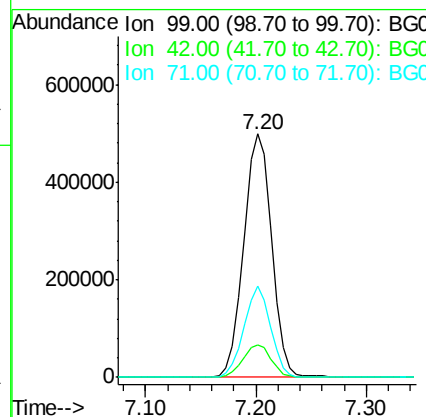
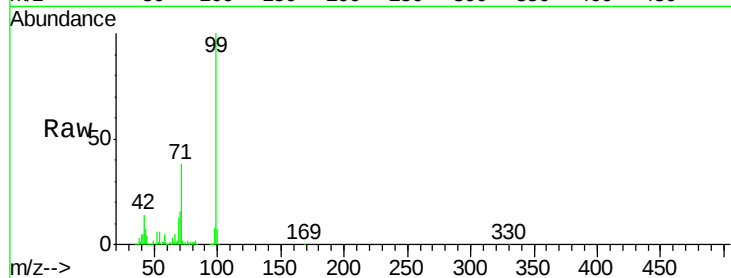
Tgt Ion: 99 Resp: 889094

Ion Ratio Lower Upper

99 100

42 13.5 12.6 19.0

71 37.7 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.09 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044958.D

Acq: 7 Apr 2020 17:01

Tgt Ion: 70 Resp: 93982

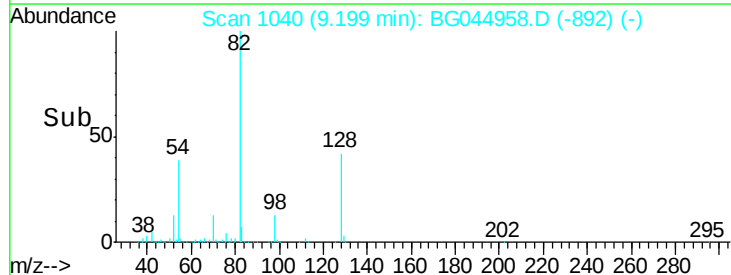
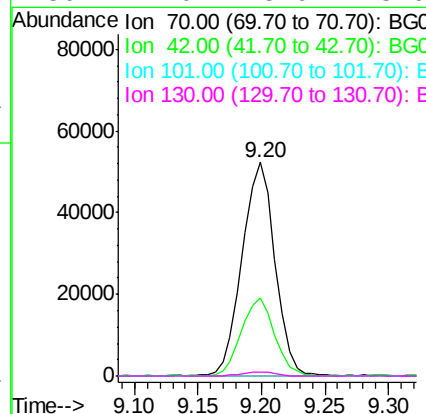
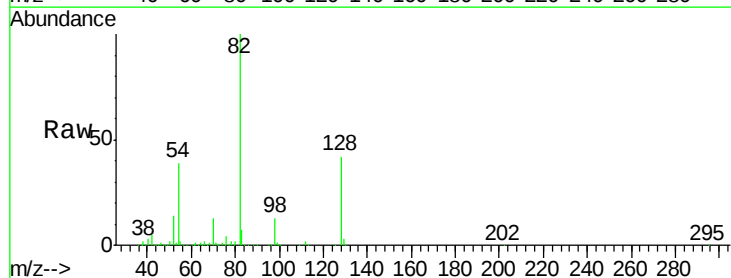
Ion Ratio Lower Upper

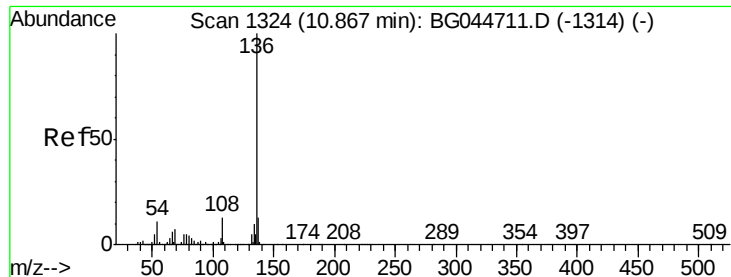
70 100

42 36.6 45.7 68.5#

101 0.0 7.4 11.2#

130 2.0 15.9 23.9#

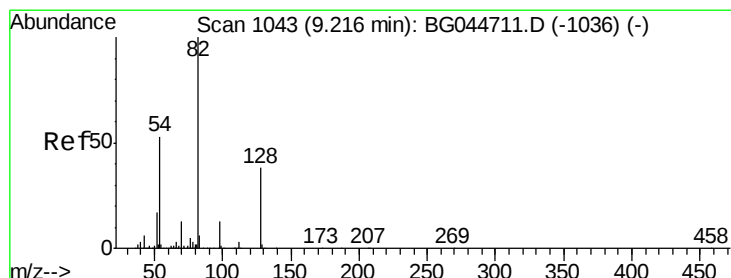
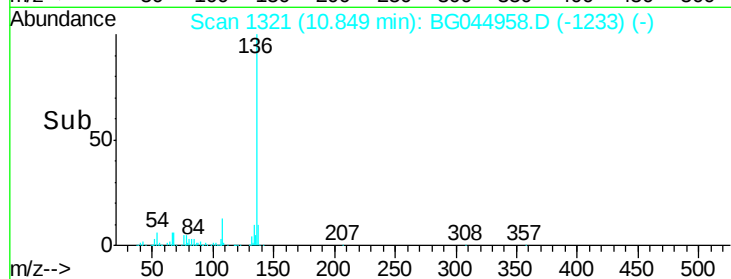
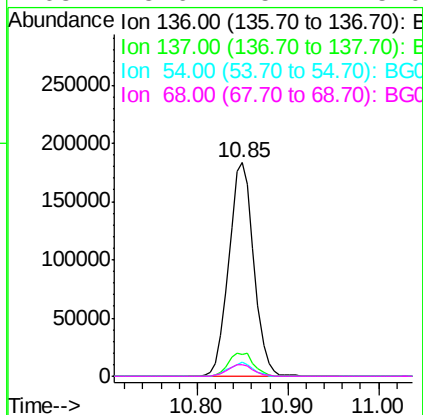
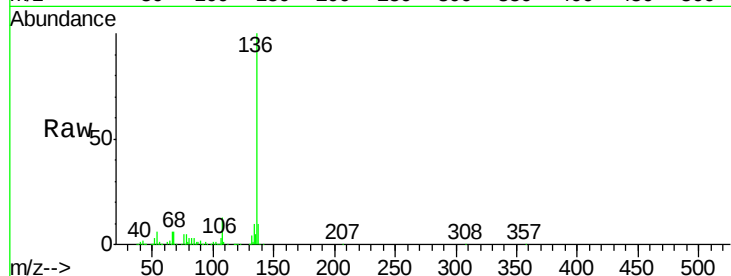




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044958.D
Acq: 7 Apr 2020 17:01

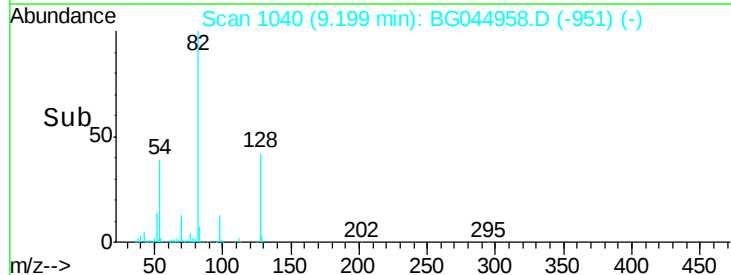
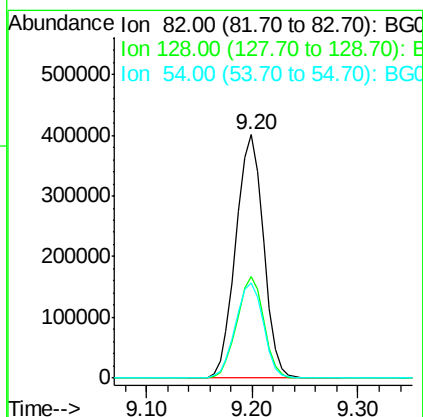
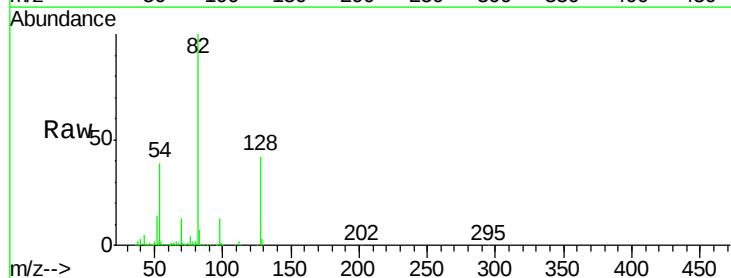
Instrument :
BNA_G
ClientSampleId :
TP-47-COMP

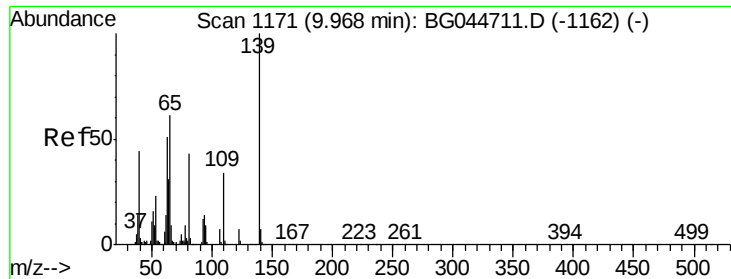
Tgt Ion:	136	Resp:	349329
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	6.5	7.9	11.9#
68	5.6	5.4	8.0



#23
Nitrobenzene-d5
Concen: 91.26 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044958.D
Acq: 7 Apr 2020 17:01

Tgt Ion:	82	Resp:	726471
Ion	Ratio	Lower	Upper
82	100		
128	41.6	30.6	46.0
54	39.2	37.1	55.7





#26

2-Nitrophenol

Concen: 5.54 ng

RT: 9.97 min Scan# 1172

Delta R.T. 0.01 min

Lab File: BG044958.D

Acq: 7 Apr 2020 17:01

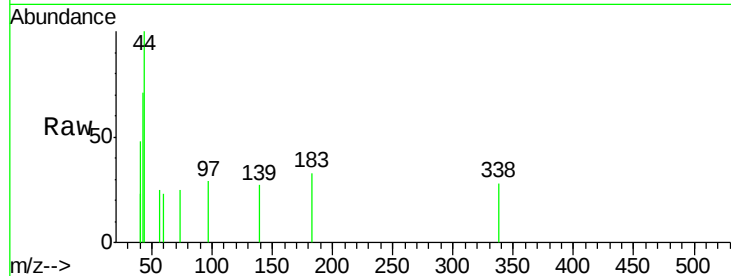
Instrument :

BNA_G

ClientSampleId :

TP-47-COMP

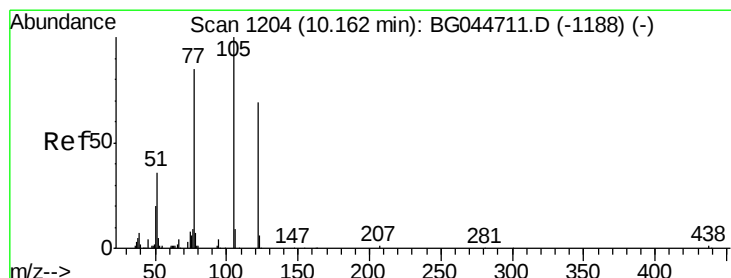
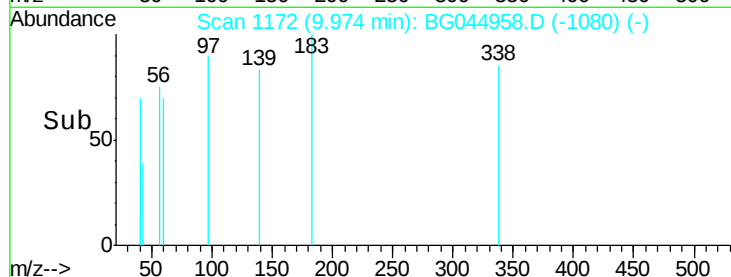
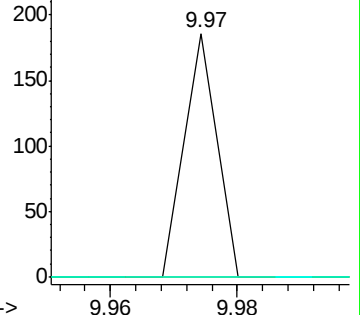
Tgt Ion:	139	Resp:	66
Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



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

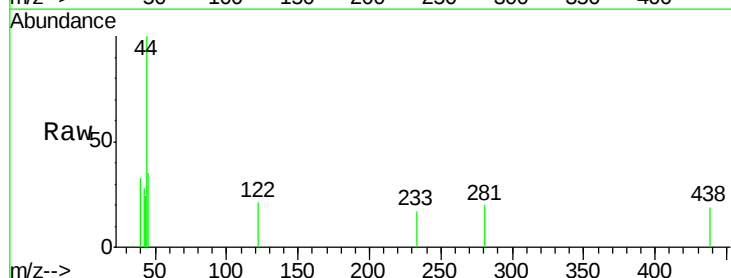
RT: 9.94 min Scan# 1167

Delta R.T. -0.20 min

Lab File: BG044958.D

Acq: 7 Apr 2020 17:01

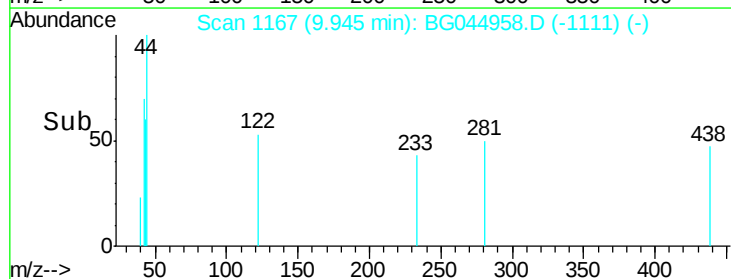
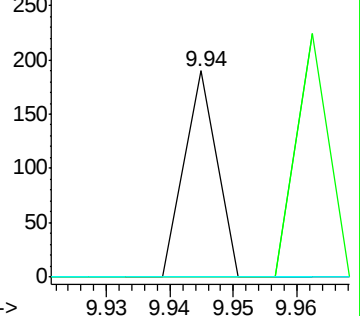
Tgt Ion:	122	Resp:	67
Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#

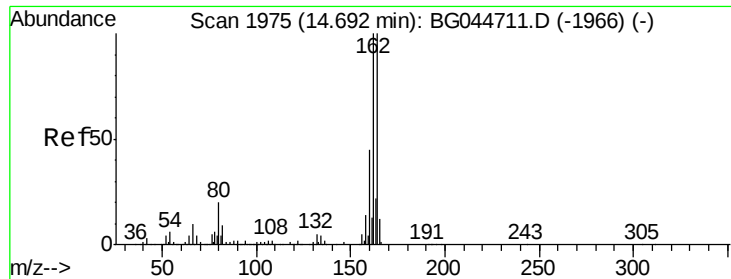


Abundance Ion 122.00 (121.70 to 122.70): E

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: BG044958.D

Acq: 7 Apr 2020 17:01

Instrument :

BNA_G

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TP-47-COMP

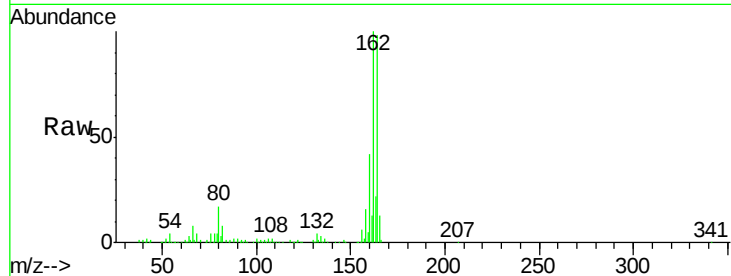
Tgt Ion:164 Resp: 235980

Ion Ratio Lower Upper

164 100

162 101.6 76.7 115.1

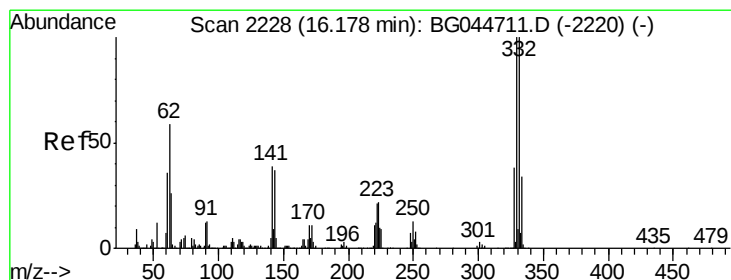
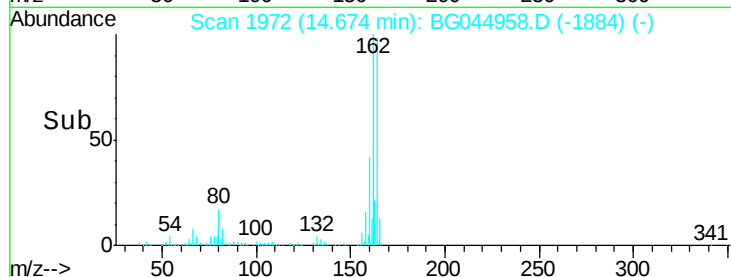
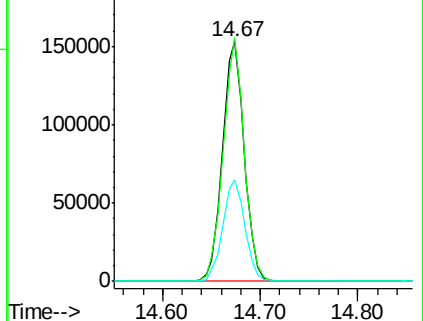
160 42.3 35.0 52.4



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: 154.49 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044958.D

Acq: 7 Apr 2020 17:01

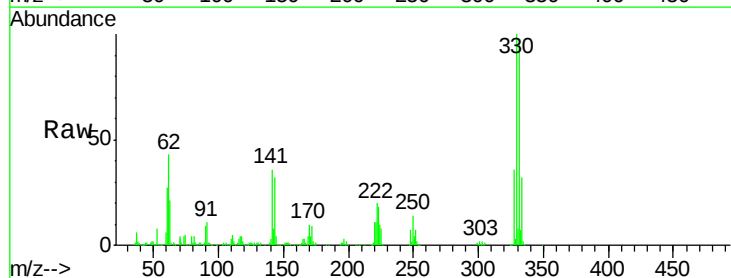
Tgt Ion:330 Resp: 477354

Ion Ratio Lower Upper

330 100

332 98.1 77.8 116.6

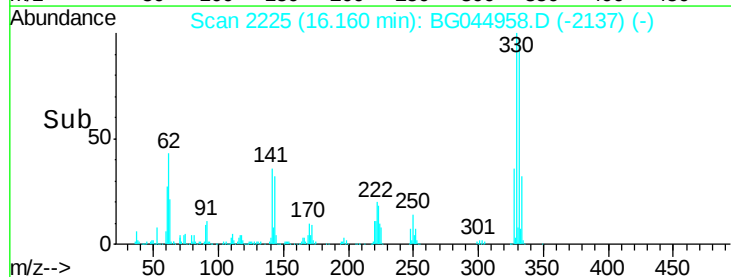
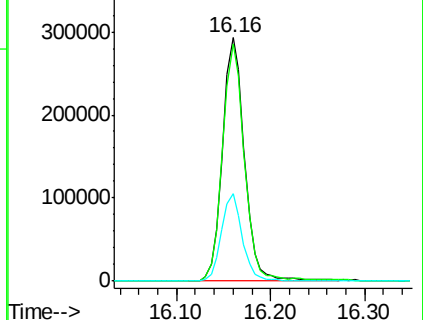
141 34.4 29.5 44.3

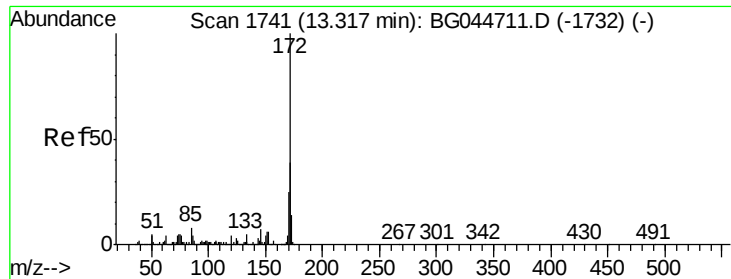


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

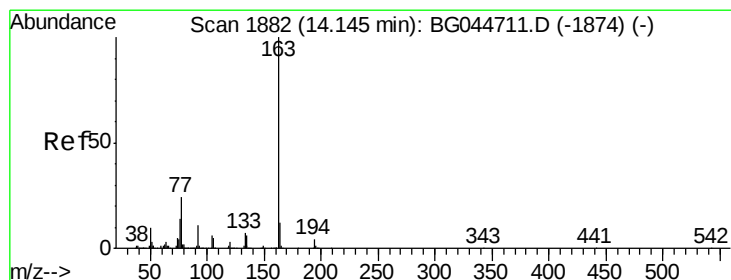
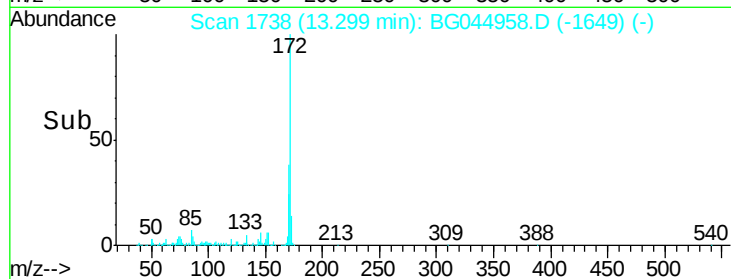
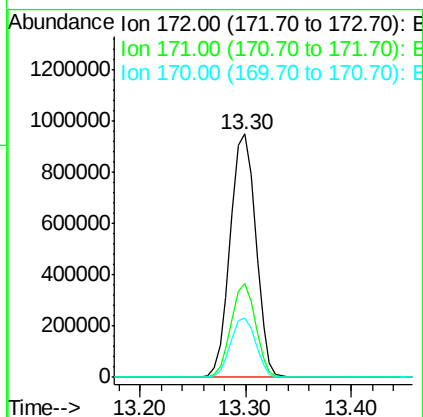
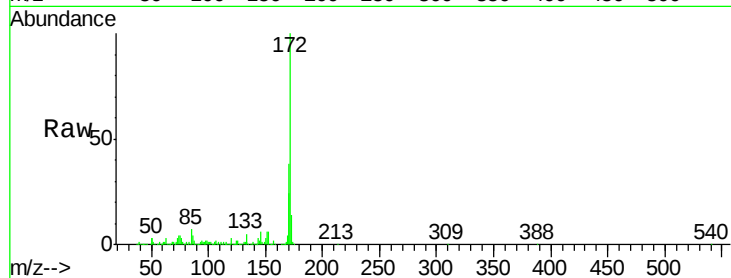




#45
2-Fluorobiphenyl
Concen: 96.59 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044958.D
Acq: 7 Apr 2020 17:01

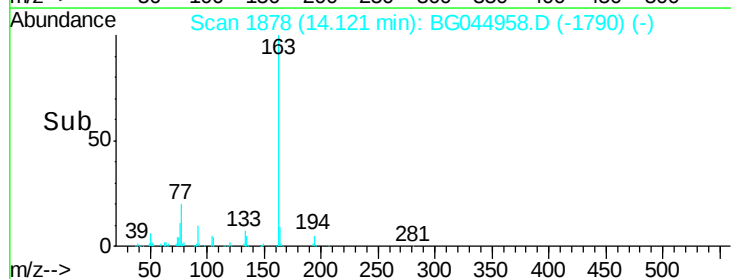
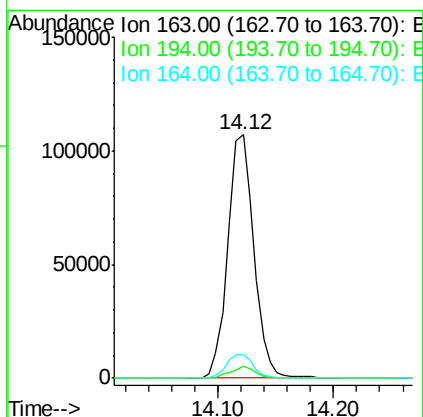
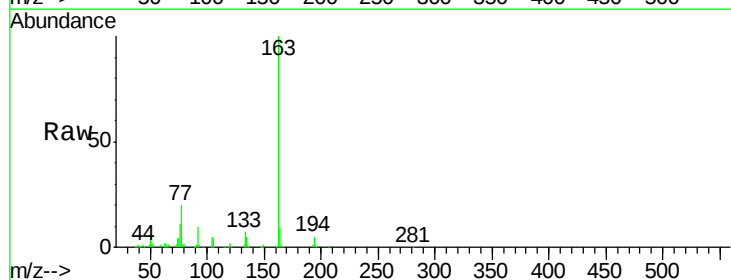
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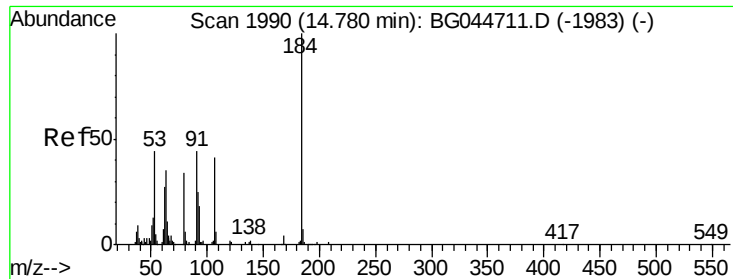
Tgt Ion:172 Resp: 1591714
Ion Ratio Lower Upper
172 100
171 38.4 28.7 43.1
170 24.4 19.0 28.6



#50
Dimethylphthalate
Concen: 8.94 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044958.D
Acq: 7 Apr 2020 17:01

Tgt Ion:163 Resp: 167995
Ion Ratio Lower Upper
163 100
194 4.7 3.7 5.5
164 9.4 9.1 13.7

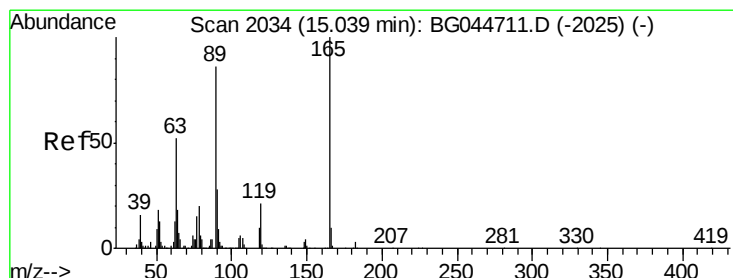
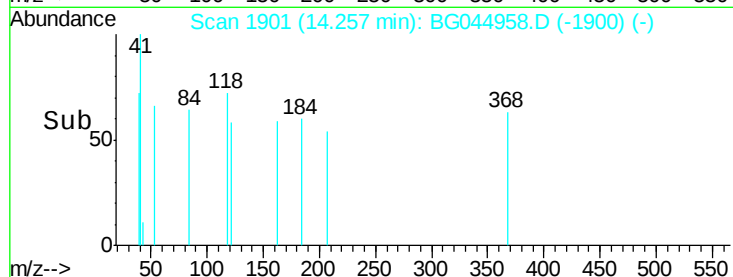
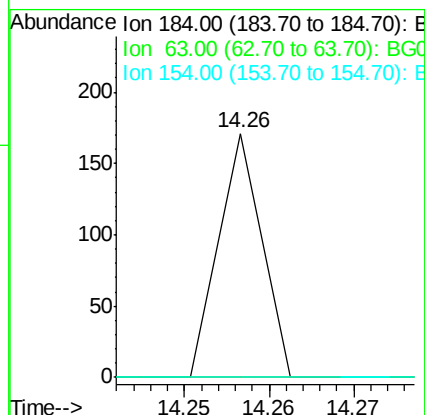
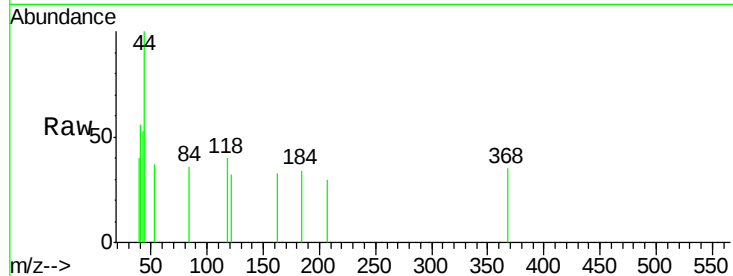




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.26 min Scan# 1901
Delta R.T. -0.52 min
Lab File: BG044958.D
Acq: 7 Apr 2020 17:01

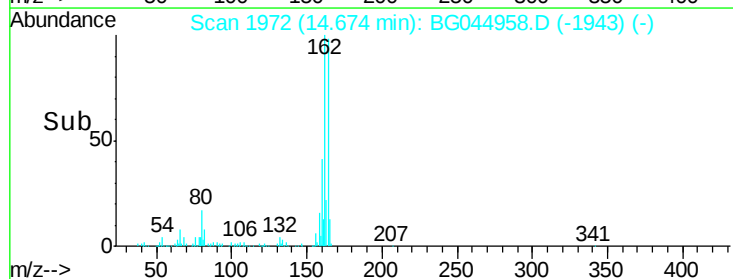
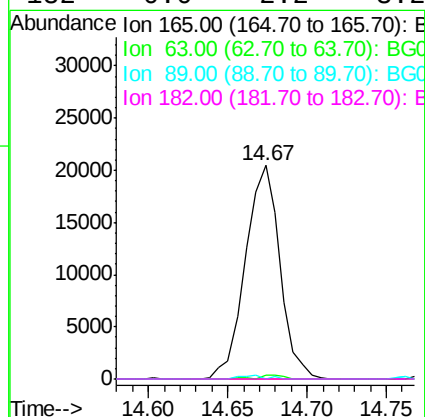
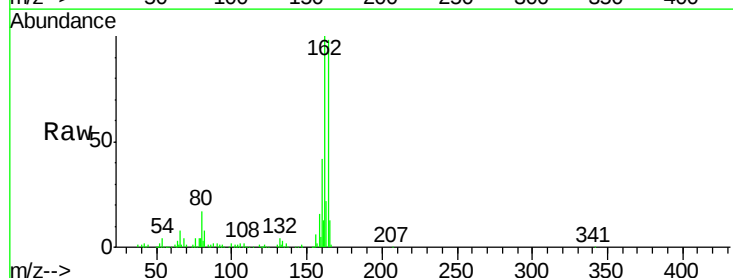
Instrument :
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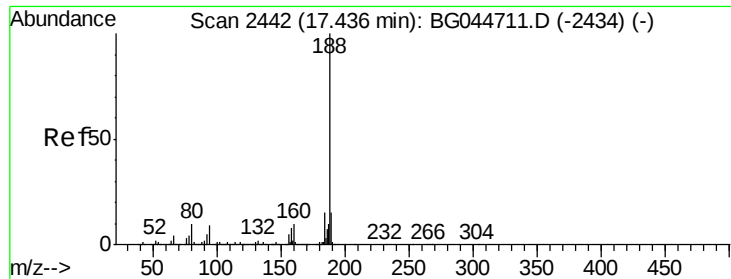
Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044958.D
Acq: 7 Apr 2020 17:01

Tgt Ion:165 Resp: 30945
Ion Ratio Lower Upper
165 100
63 1.7 34.6 52.0#
89 0.0 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: BG044958.D

Acq: 7 Apr 2020 17:01

Instrument :

BNA_G

ClientSampleId :

TP-47-COMP

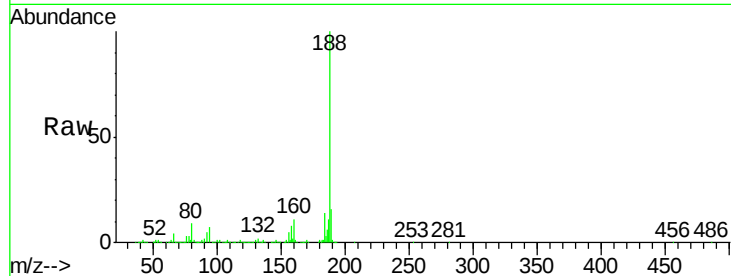
Tgt Ion:188 Resp: 538443

Ion Ratio Lower Upper

188 100

94 7.5 7.3 10.9

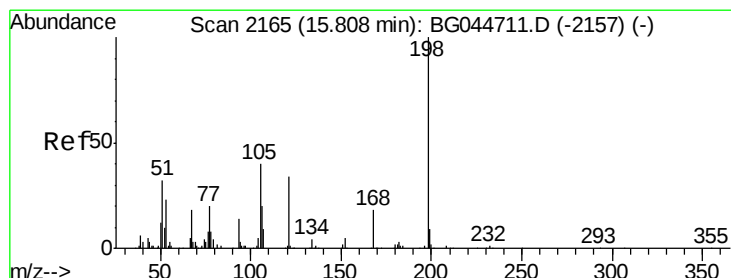
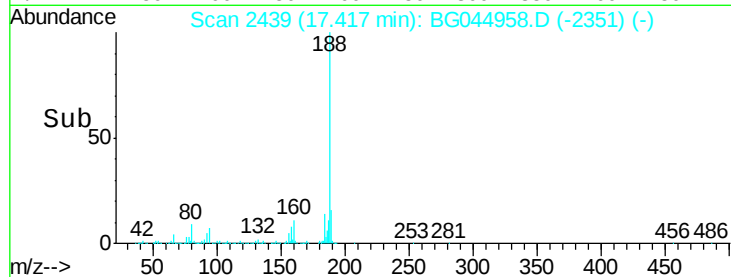
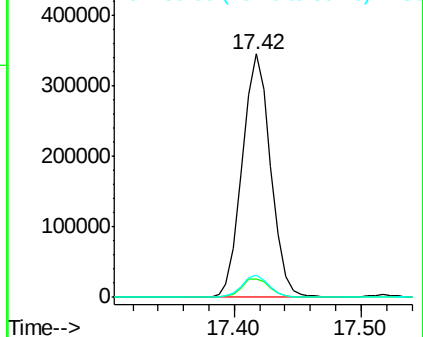
80 9.3 8.0 12.0



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: 7.76 ng

RT: 15.58 min Scan# 2126

Delta R.T. -0.22 min

Lab File: BG044958.D

Acq: 7 Apr 2020 17:01

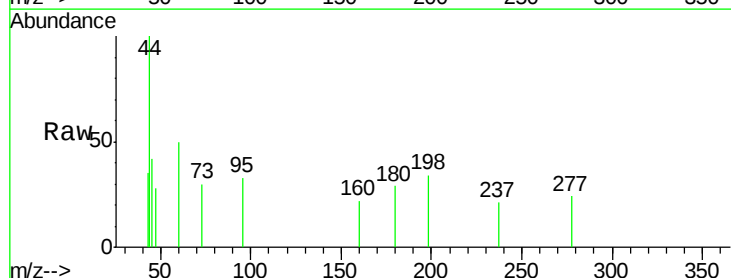
Tgt Ion:198 Resp: 86

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

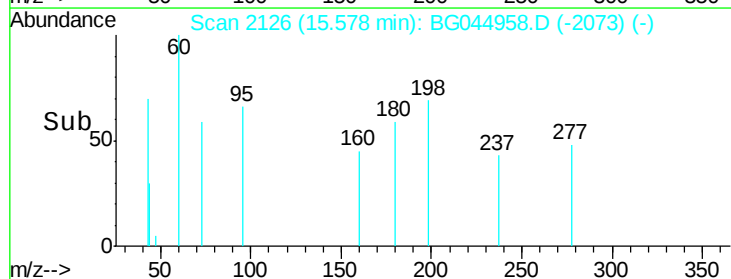
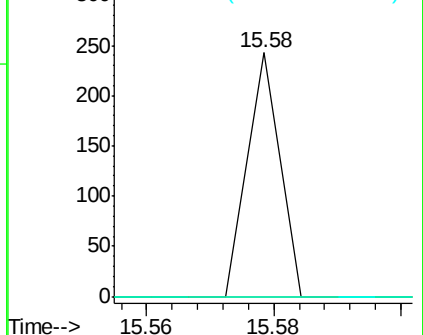
105 0.0 24.5 64.5#

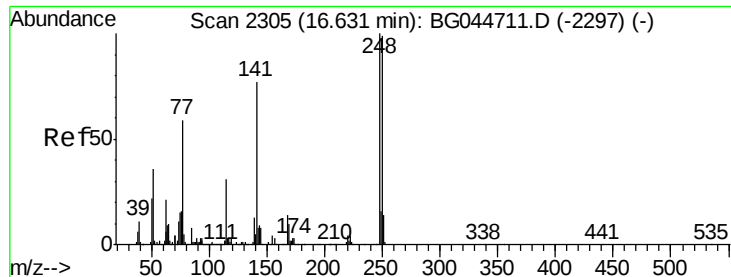


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

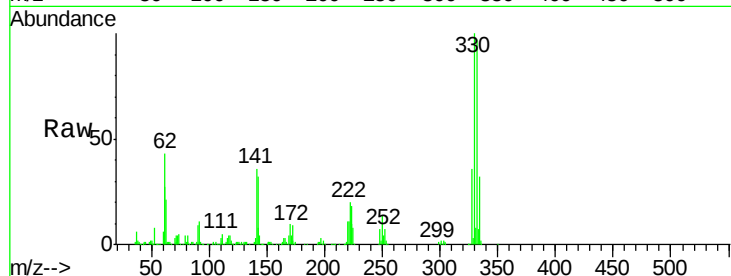




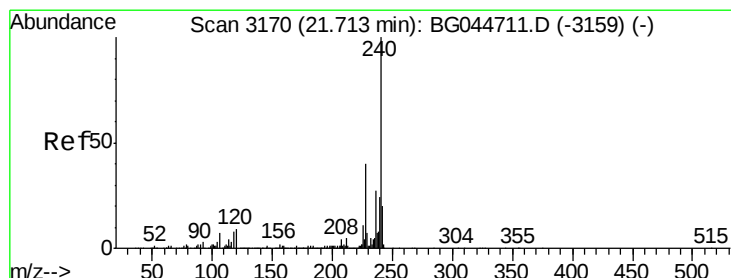
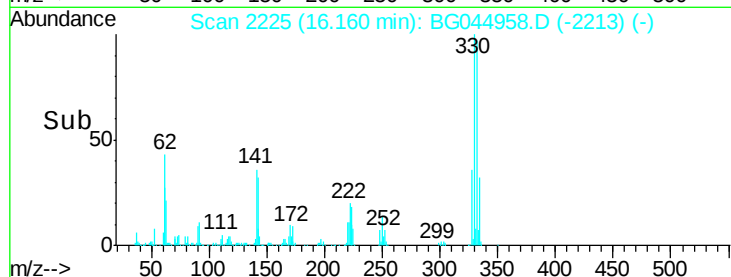
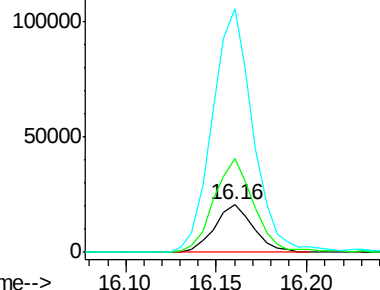
#67
 4-Bromophenyl-phenylether
 Concen: 4.55 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044958.D
 Acq: 7 Apr 2020 17:01

Instrument :
 BNA_G
 ClientSampleId :
 TP-47-COMP

Tgt Ion:248 Resp: 30633
 Ion Ratio Lower Upper
 248 100
 250 197.6 77.9 116.9#
 141 513.7 57.5 86.3#

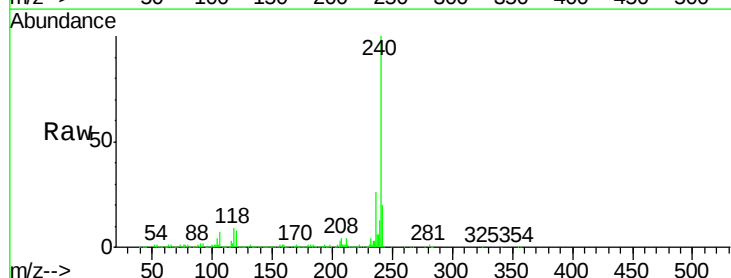


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

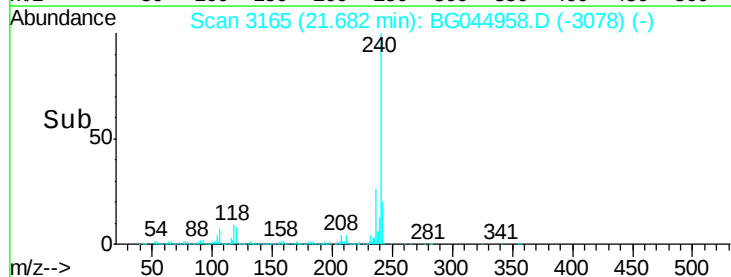
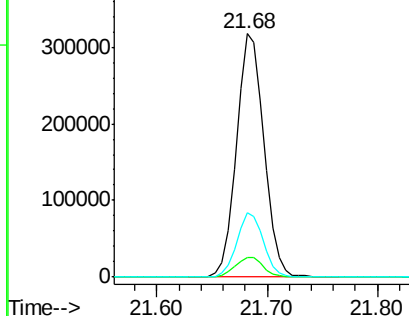


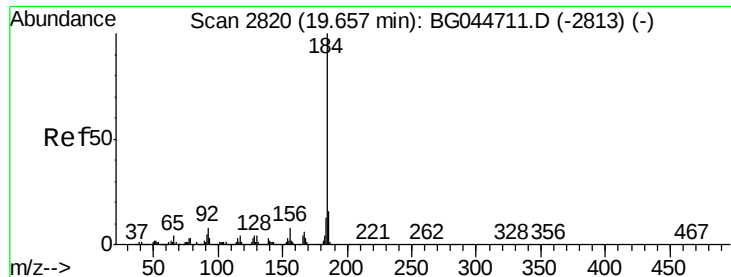
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044958.D
 Acq: 7 Apr 2020 17:01

Tgt Ion:240 Resp: 554634
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.7 10.1
 236 26.3 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: 2.84 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044958.D

Acq: 7 Apr 2020 17:01

Instrument :

BNA_G

ClientSampleId :

TP-47-COMP

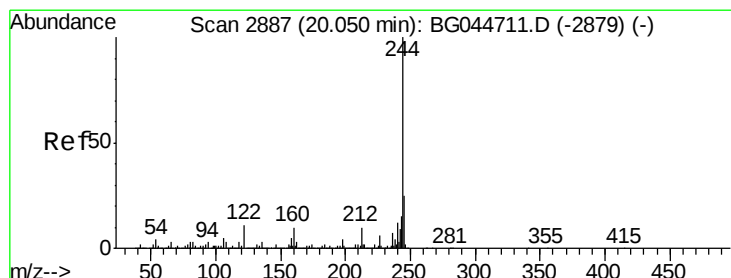
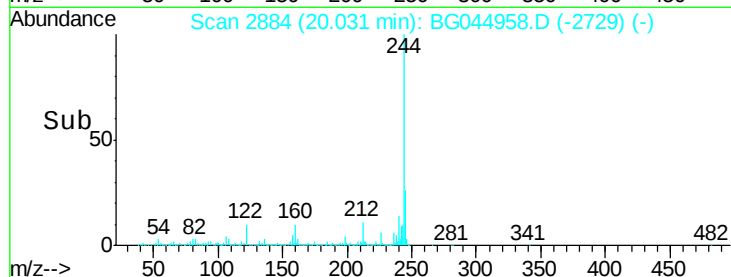
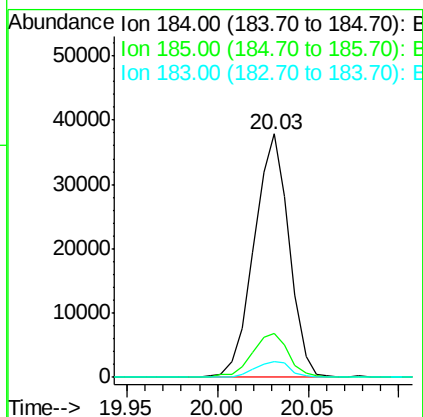
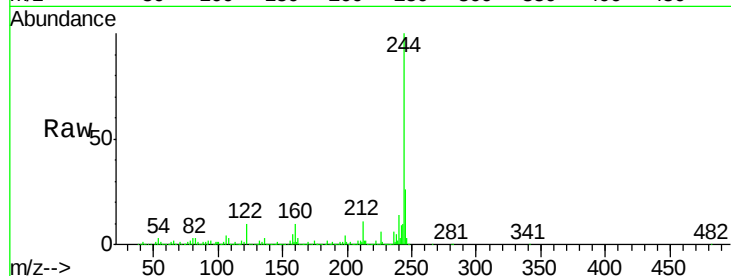
Tgt Ion:184 Resp: 51080

Ion Ratio Lower Upper

184 100

185 18.2 12.2 18.4

183 6.7 10.7 16.1#



#79

Terphenyl-d14

Concen: 87.81 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044958.D

Acq: 7 Apr 2020 17:01

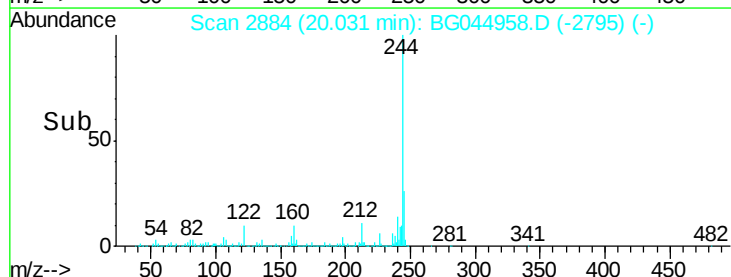
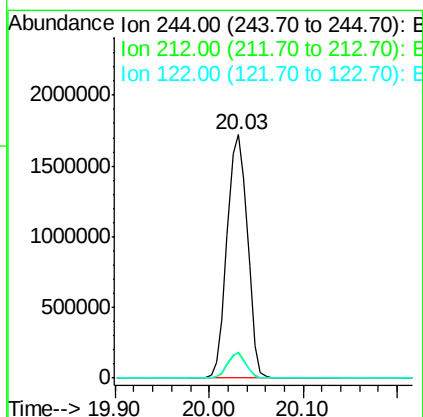
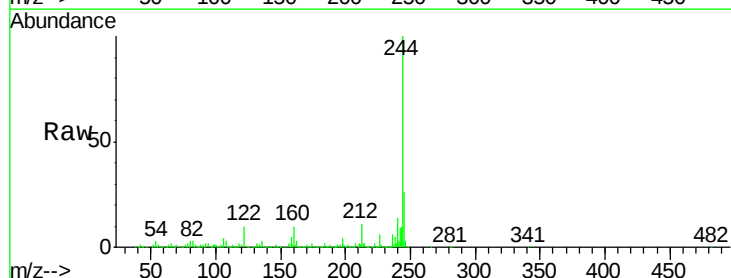
Tgt Ion:244 Resp: 2603641

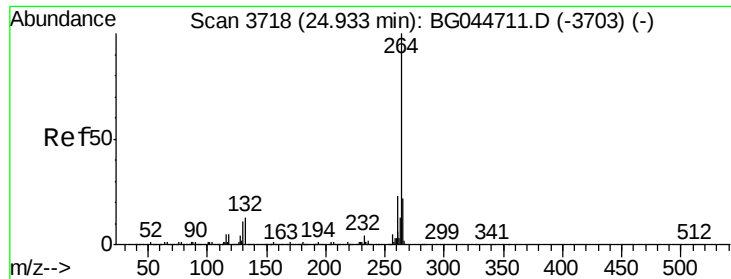
Ion Ratio Lower Upper

244 100

212 10.6 7.7 11.5

122 10.1 8.6 12.8

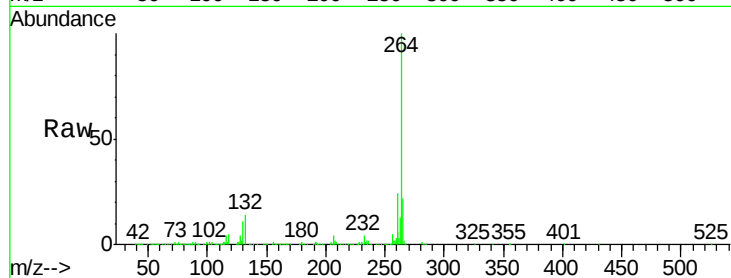




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG044958.D
Acq: 7 Apr 2020 17:01

Instrument :
BNA_G
ClientSampleId :
TP-47-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.1	27.1
265	21.9	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

