

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021119\
 Data File : BG039453.D
 Acq On : 12 Feb 2019 3:20
 Operator : JU/SJ
 Sample : K1422-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-10

Quant Time: Feb 12 04:38:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	53974	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	235188	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	163097	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	407193	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	424188	20.00	ng	-0.02
87) Perylene-d12	25.21	264	424470	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	469007	148.72	ng	0.00
7) Phenol-d6	7.31	99	634439	136.67	ng	-0.02
23) Nitrobenzene-d5	9.35	82	432574	114.90	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	288218	164.11	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1060793	93.30	ng	-0.02
79) Terphenyl-d14	20.13	244	1718888	85.77	ng	-0.02

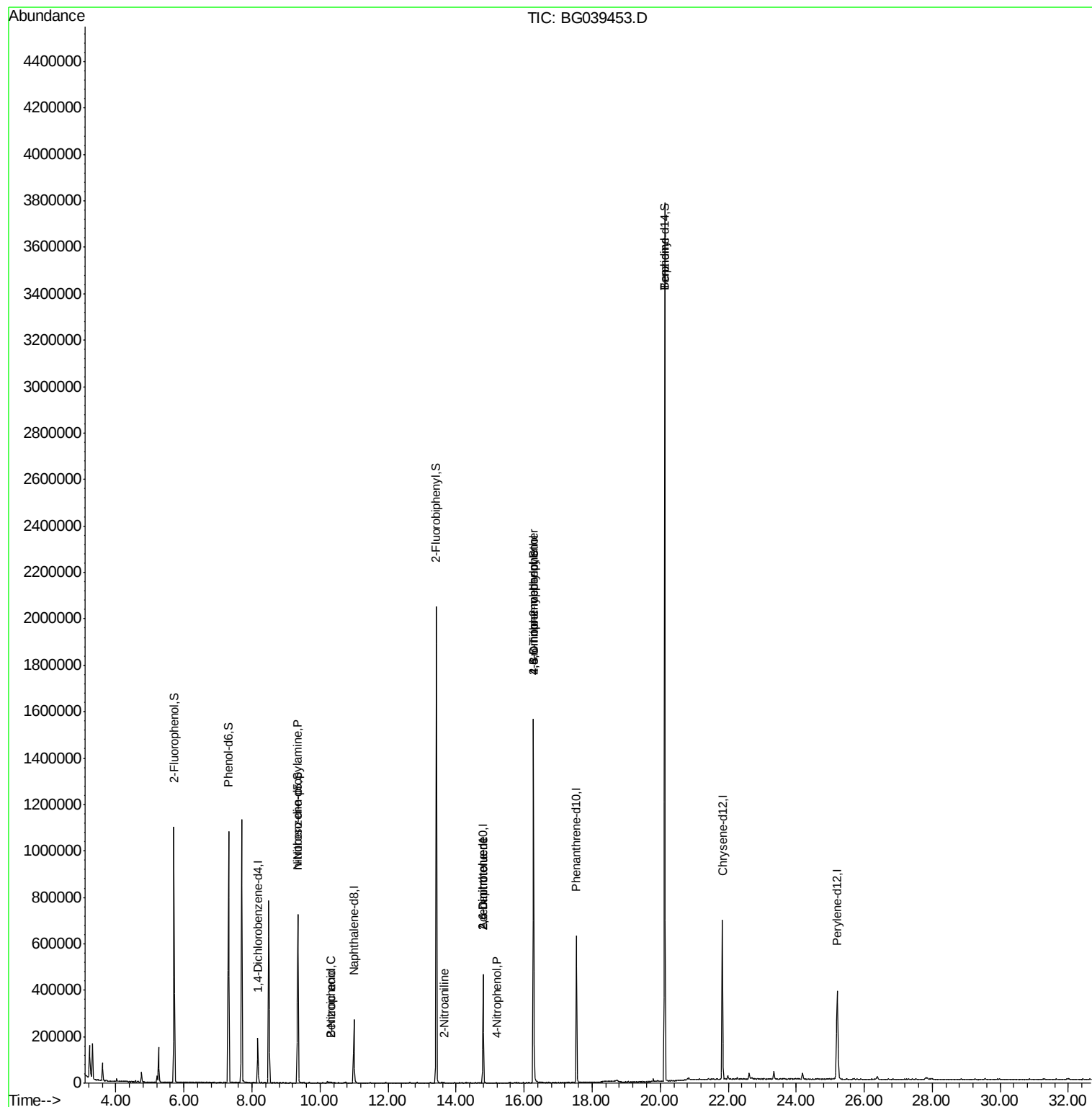
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	908	Below Cal		# 17
19) n-Nitroso-di-n-propylamine	9.35	70	57091	17.328	ng	# 65
26) 2-Nitrophenol	10.31	139	62	4.051	ng	# 31
32) Benzoic acid	10.32	122	455	9.188	ng	# 92
48) 2-Nitroaniline	13.64	65	62	8.314	ng	# 10
51) 2,6-Dinitrotoluene	14.80	165	21527	14.108	ng	# 24
56) 4-Nitrophenol	15.19	139	200	5.872	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	21527	13.539	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	1010	4.970	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	22509	4.983	ng	# 1
77) Benzidine	20.14	184	32106	2.309	ng	# 96

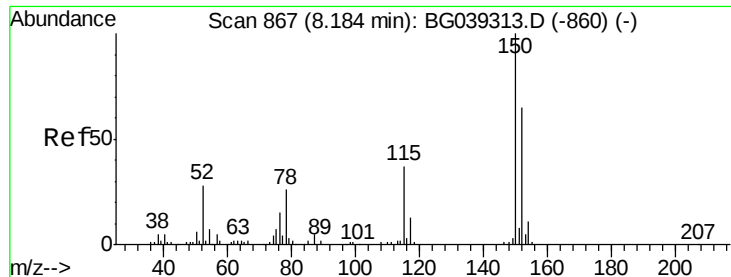
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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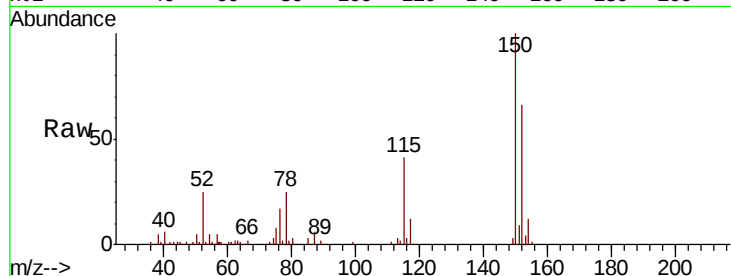


#1

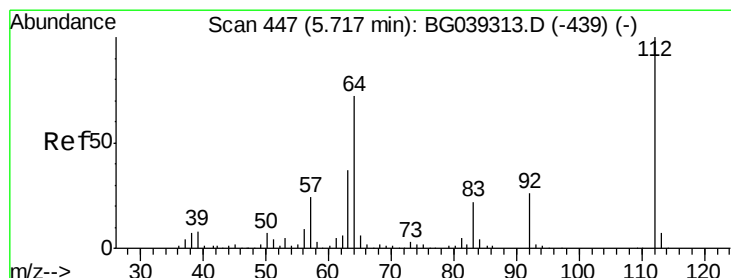
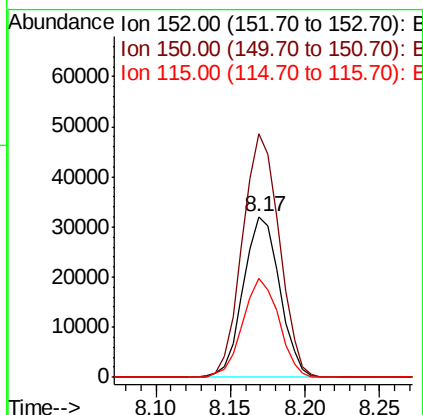
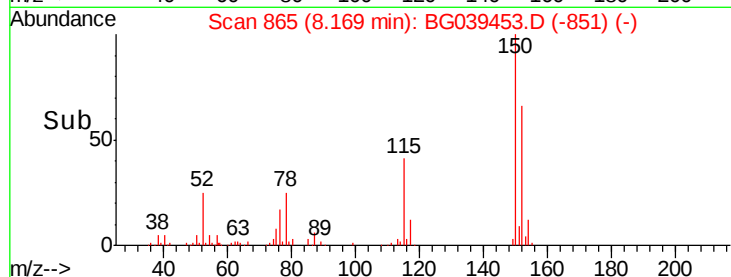
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 865
 Delta R.T. -0.02 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

Instrument :
 BNA_G
 ClientSampleId :
 COMP-10

Tgt Ion:152 Resp: 53974
 Ion Ratio Lower Upper
 152 100
 150 151.2 123.7 185.5
 115 61.6 45.9 68.9



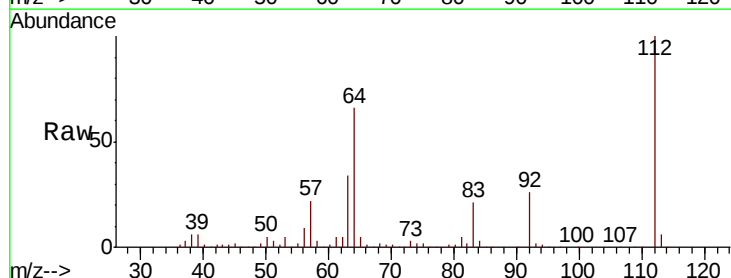
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



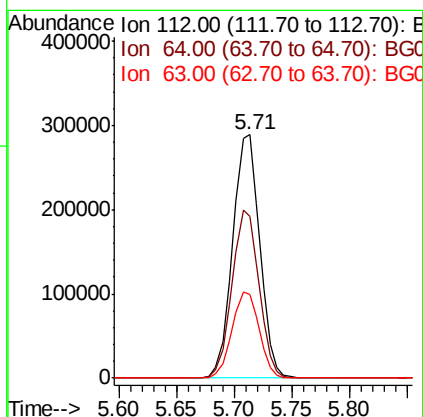
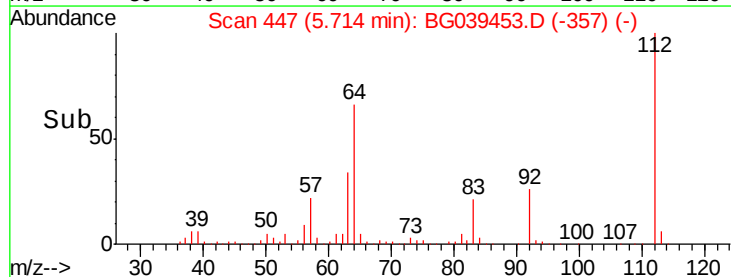
#5

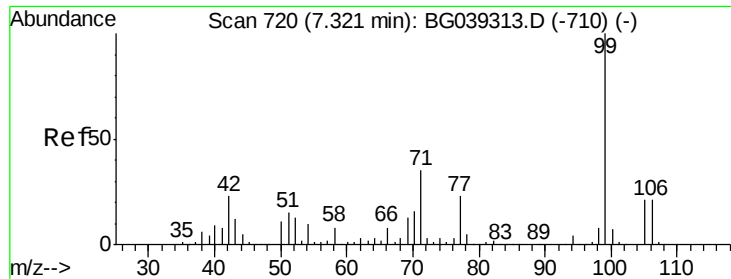
2-Fluorophenol
 Concen: 148.722 ng
 RT: 5.71 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

Tgt Ion:112 Resp: 469007
 Ion Ratio Lower Upper
 112 100
 64 66.5 57.8 86.8
 63 34.5 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 136.674 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BG039453.D

Acq: 12 Feb 2019 3:20

Instrument :

BNA_G

ClientSampleId :

COMP-10

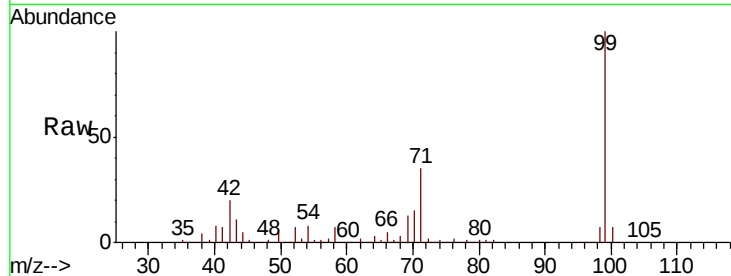
Tgt Ion: 99 Resp: 634439

Ion Ratio Lower Upper

99 100

42 20.2 18.2 27.2

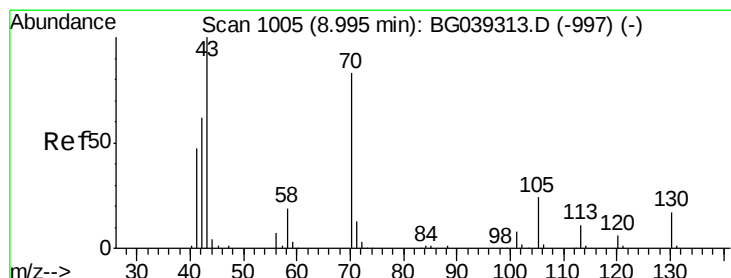
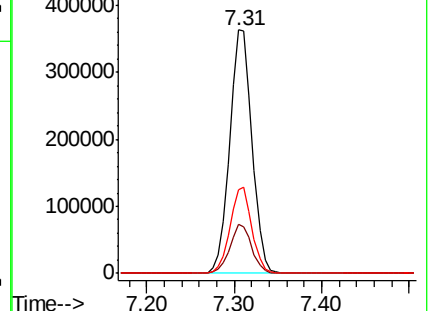
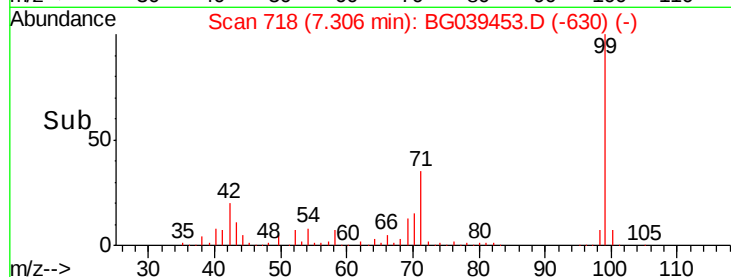
71 34.6 28.0 42.0



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: 17.328 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039453.D

Acq: 12 Feb 2019 3:20

Tgt Ion: 70 Resp: 57091

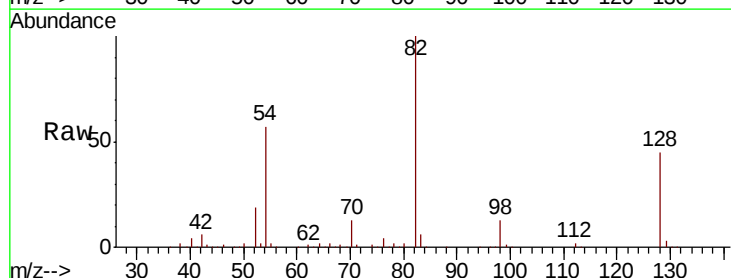
Ion Ratio Lower Upper

70 100

42 46.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.4 16.9 25.3#

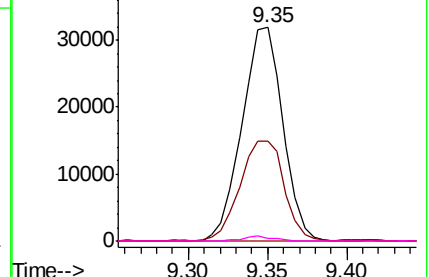
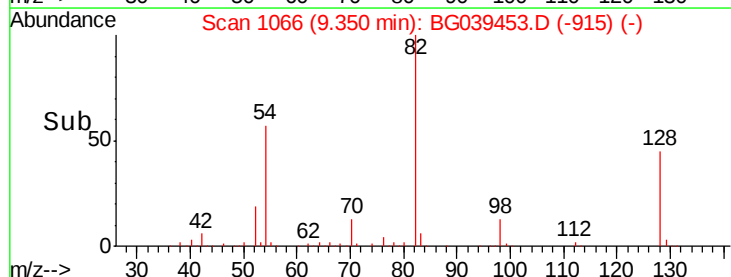


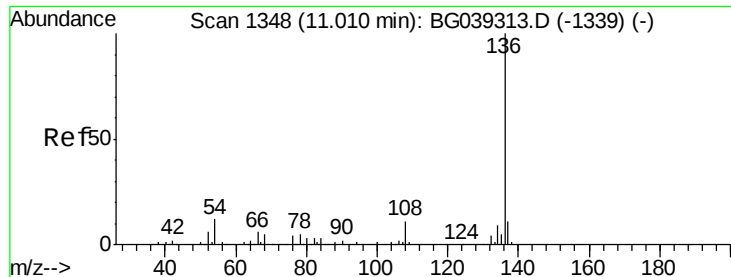
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

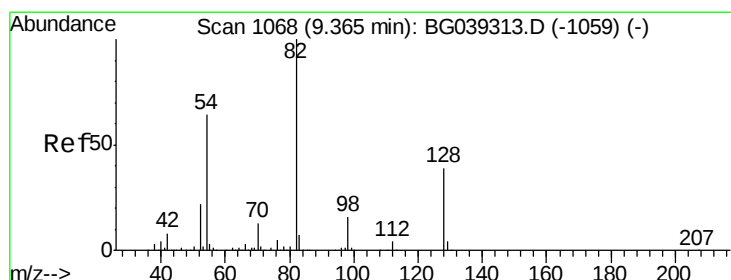
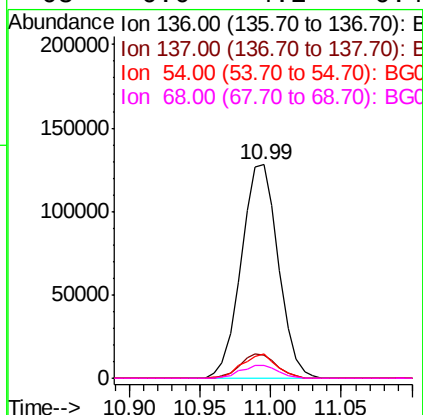
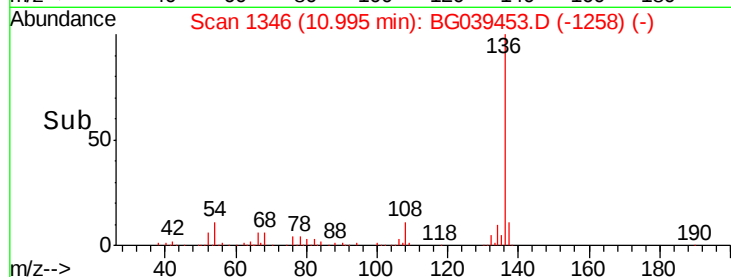
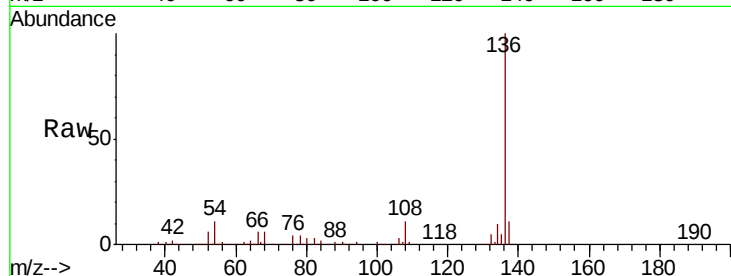




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039453.D
Acq: 12 Feb 2019 3:20

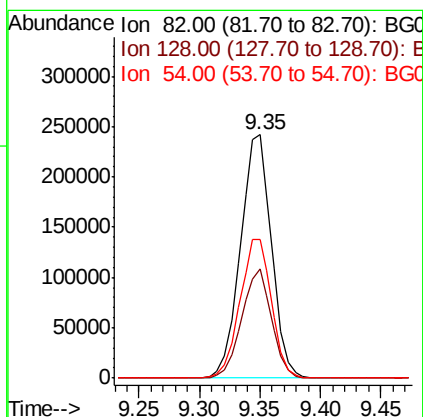
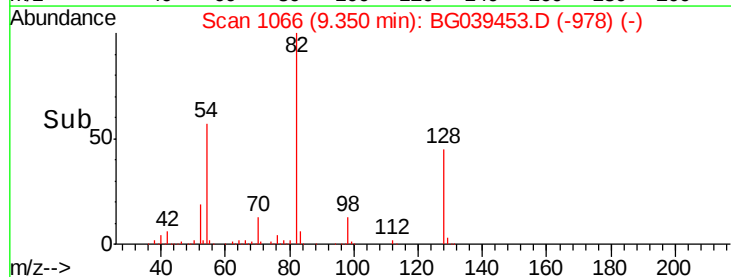
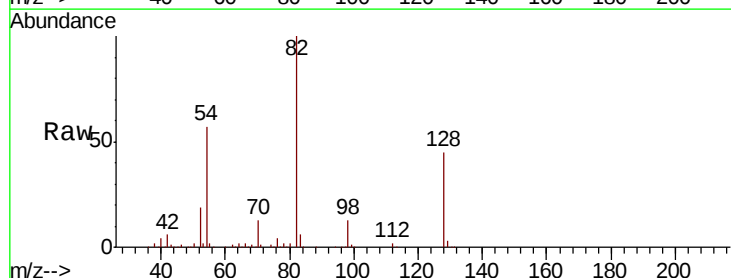
Instrument :
BNA_G
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COMP-10

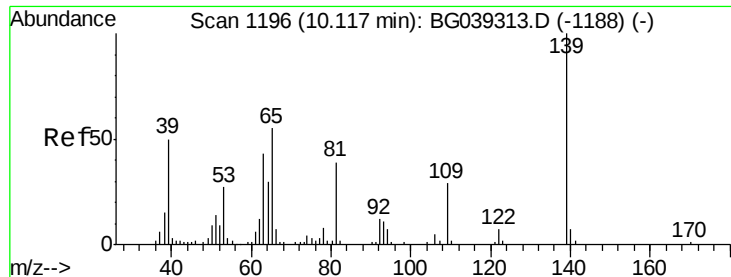
Tgt Ion:	136	Resp:	235188
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	11.3	9.4	14.2
68	6.0	4.2	6.4



#23
Nitrobenzene-d5
Concen: 114.902 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039453.D
Acq: 12 Feb 2019 3:20

Tgt Ion:	82	Resp:	432574
Ion	Ratio	Lower	Upper
82	100		
128	44.7	31.3	46.9
54	57.1	50.9	76.3

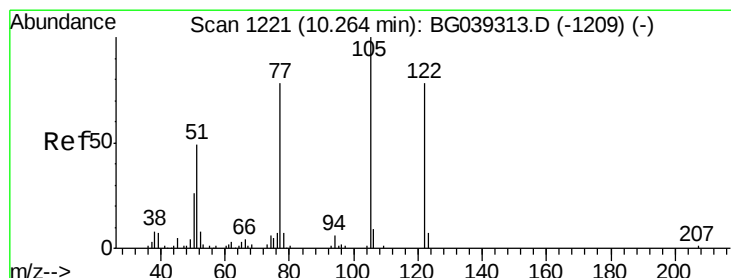
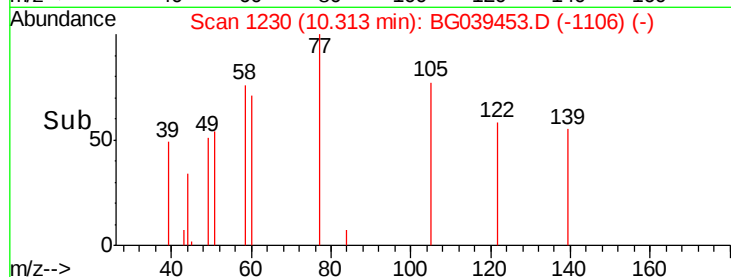
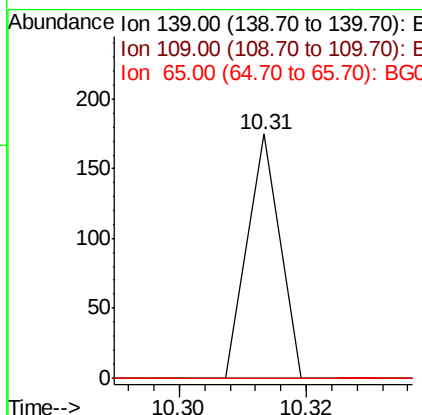
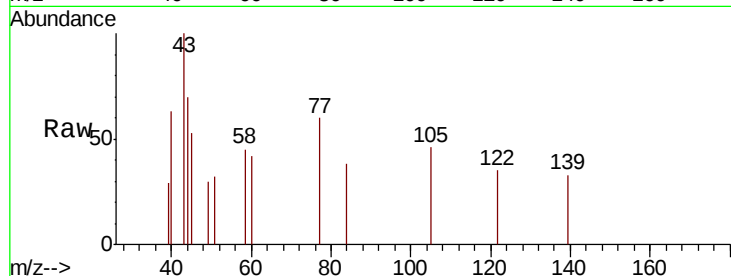




#26
2-Nitrophenol
Concen: 4.051 ng
RT: 10.31 min Scan# 1230
Delta R.T. 0.20 min
Lab File: BG039453.D
Acq: 12 Feb 2019 3:20

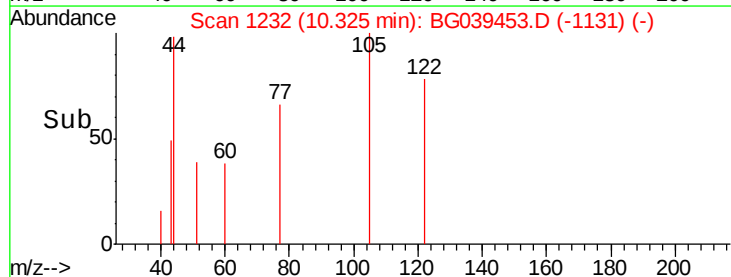
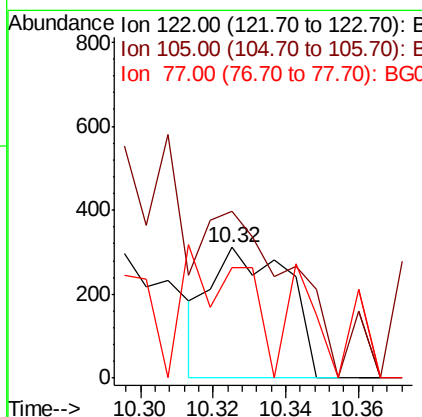
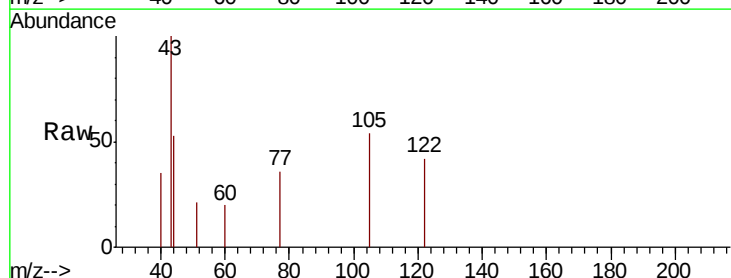
Instrument :
BNA_G
ClientSampled :
COMP-10

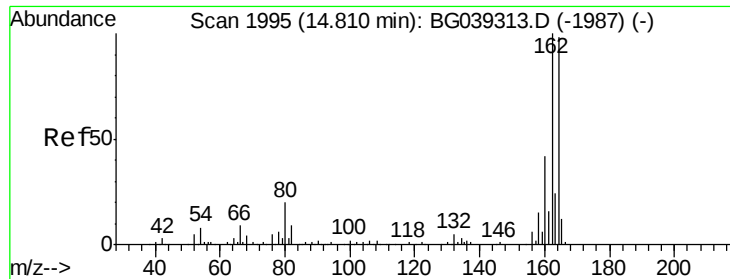
Tgt Ion:139 Resp: 62
Ion Ratio Lower Upper
139 100
109 0.0 23.4 35.0#
65 0.0 44.3 66.5#



#32
Benzoic acid
Concen: 9.188 ng
RT: 10.32 min Scan# 1232
Delta R.T. 0.06 min
Lab File: BG039453.D
Acq: 12 Feb 2019 3:20

Tgt Ion:122 Resp: 455
Ion Ratio Lower Upper
122 100
105 127.7 101.8 141.8
77 84.2 76.3 116.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039453.D

Acq: 12 Feb 2019 3:20

Instrument :

BNA_G

ClientSampled :

COMP-10

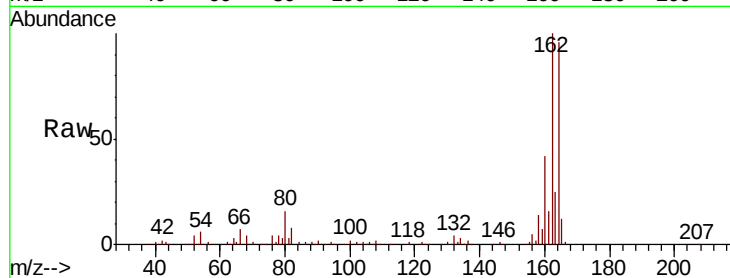
Tgt Ion:164 Resp: 163097

Ion Ratio Lower Upper

164 100

162 103.9 81.6 122.4

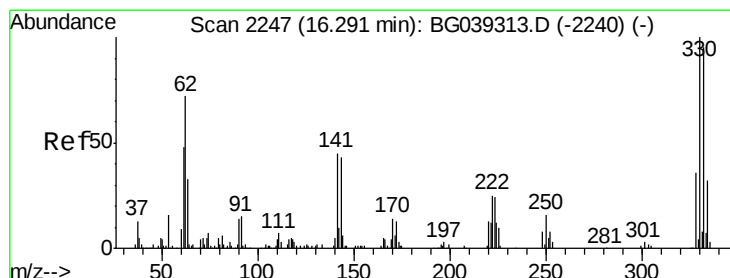
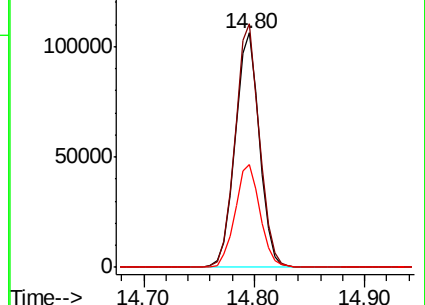
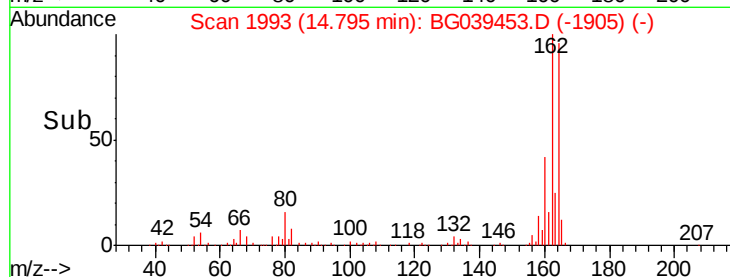
160 44.1 34.2 51.2



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: 164.108 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039453.D

Acq: 12 Feb 2019 3:20

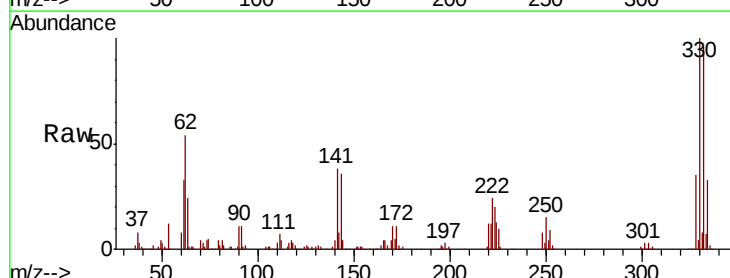
Tgt Ion:330 Resp: 288218

Ion Ratio Lower Upper

330 100

332 96.5 75.7 113.5

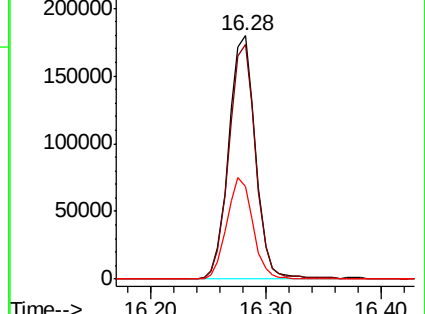
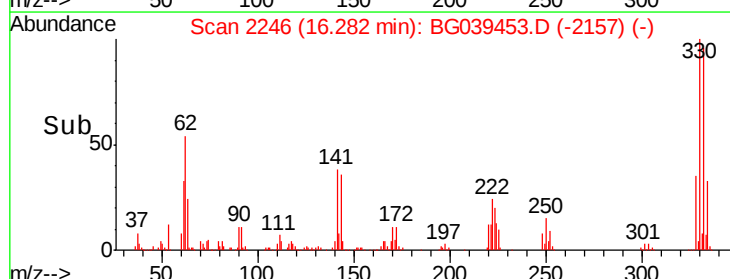
141 40.8 35.6 53.4

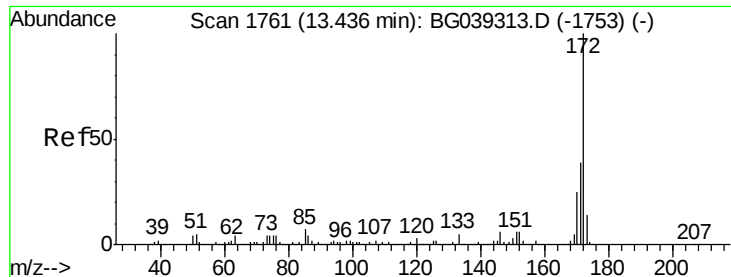


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 93.304 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BG039453.D

Acq: 12 Feb 2019 3:20

Instrument :

BNA_G

ClientSampleId :

COMP-10

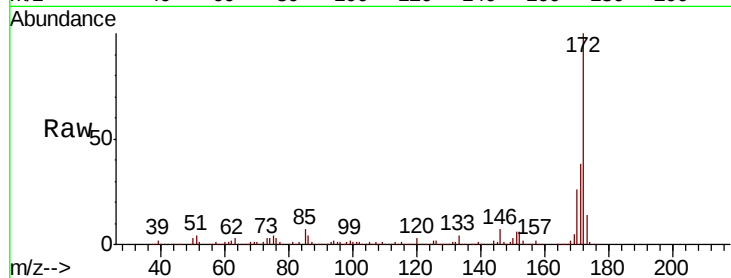
Tgt Ion: 172 Resp: 1060793

Ion Ratio Lower Upper

172 100

171 38.3 30.8 46.2

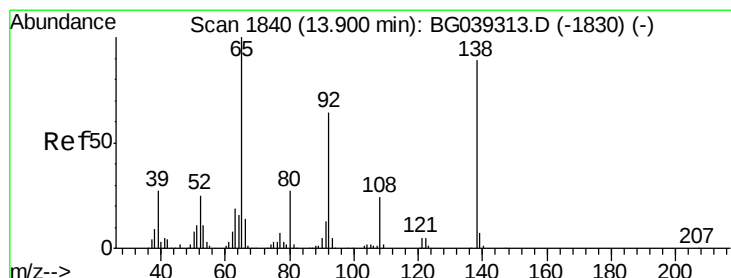
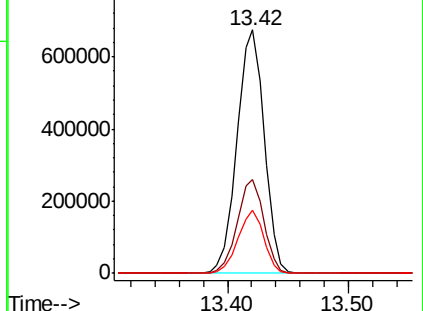
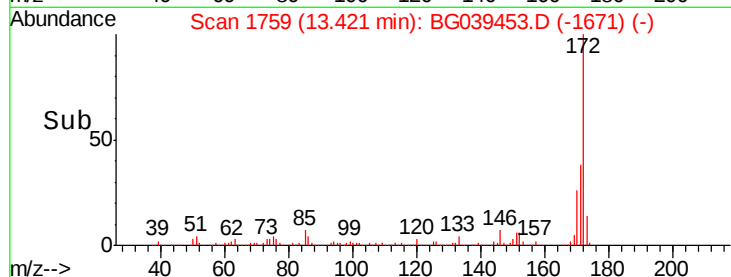
170 25.9 20.2 30.4



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



#48

2-Nitroaniline

Concen: 8.314 ng

RT: 13.64 min Scan# 1797

Delta R.T. -0.25 min

Lab File: BG039453.D

Acq: 12 Feb 2019 3:20

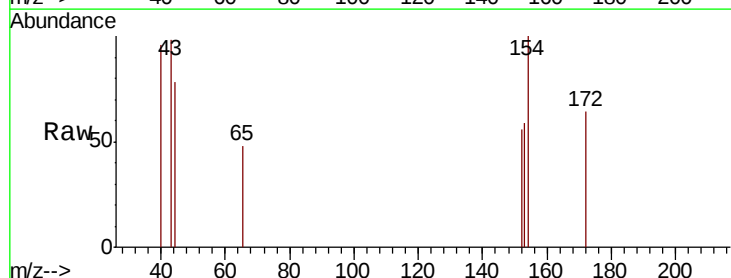
Tgt Ion: 65 Resp: 62

Ion Ratio Lower Upper

65 100

92 0.0 51.4 77.2#

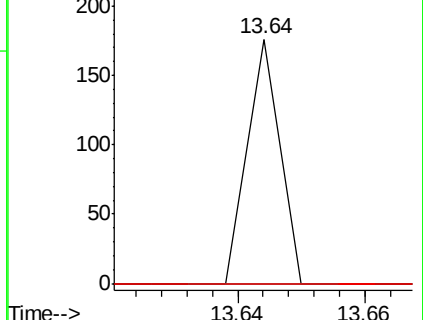
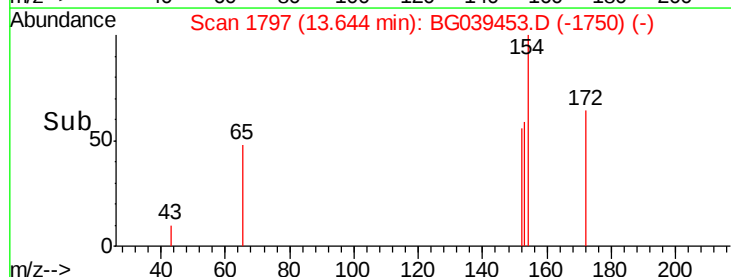
138 0.0 71.4 107.2#

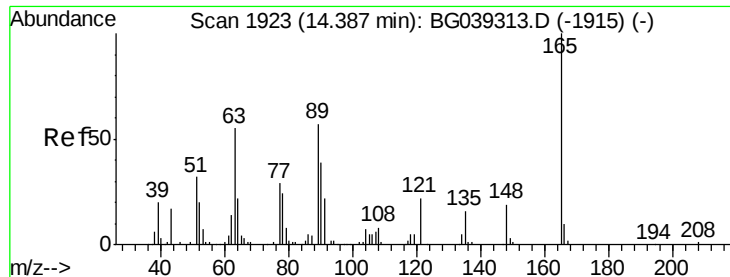


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

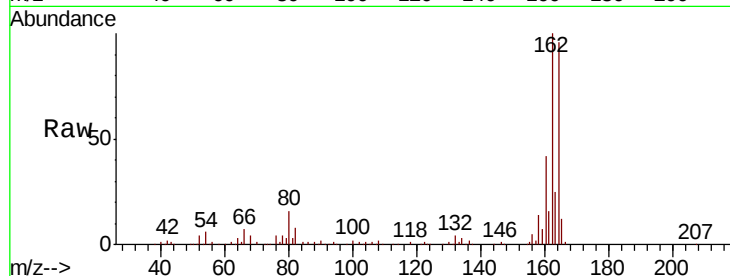




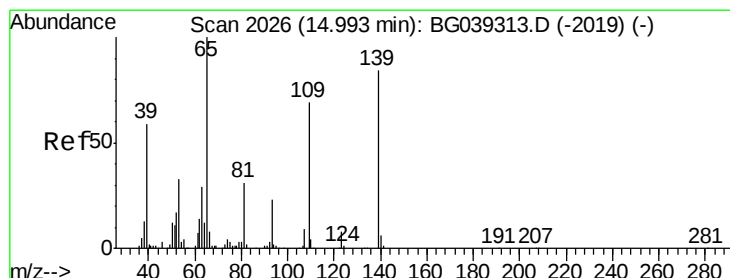
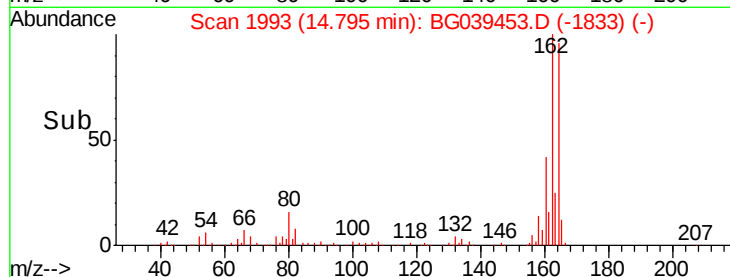
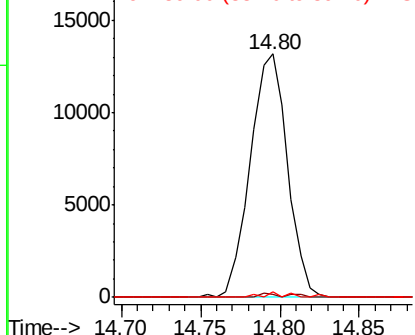
#51
 2,6-Dinitrotoluene
 Concen: 14.108 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

Instrument :
 BNA_G
 ClientSampleId :
 COMP-10

Tgt Ion:165 Resp: 21527
 Ion Ratio Lower Upper
 165 100
 63 1.4 47.0 70.6#
 89 2.1 45.8 68.8#

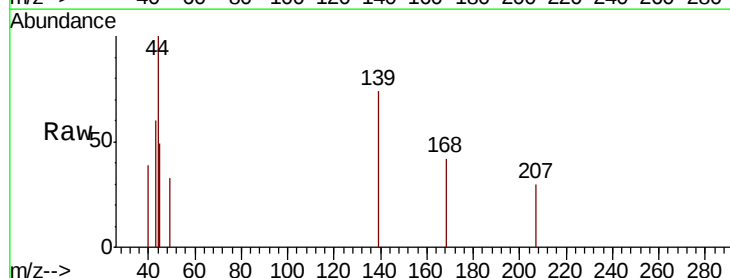


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

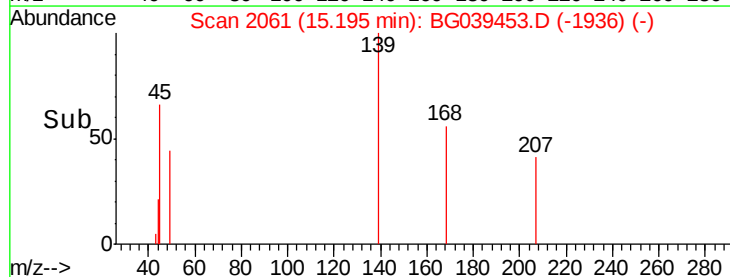
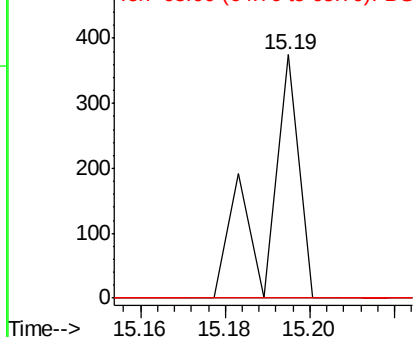


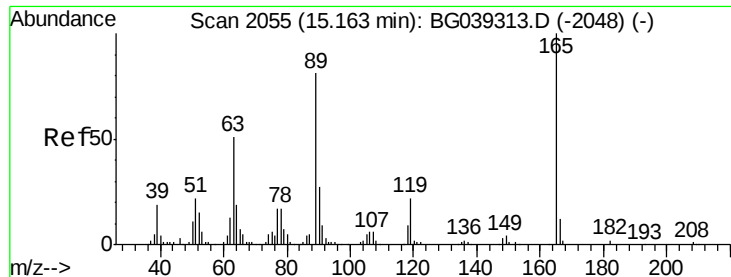
#56
 4-Nitrophenol
 Concen: 5.872 ng
 RT: 15.19 min Scan# 2061
 Delta R.T. 0.20 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

Tgt Ion:139 Resp: 200
 Ion Ratio Lower Upper
 139 100
 109 0.0 61.9 101.9#
 65 0.0 99.1 139.1#



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): BGO

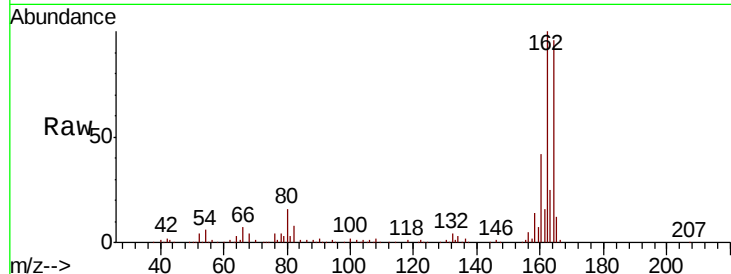




#57
 2,4-Dinitrotoluene
 Concen: 13.539 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.37 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

Instrument :
 BNA_G
 ClientSampleId :
 COMP-10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#

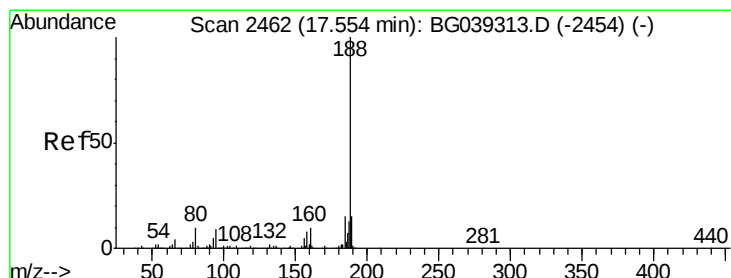
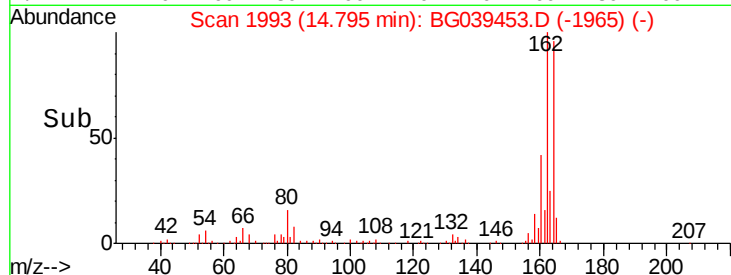
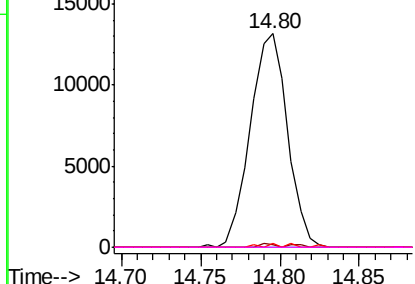


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

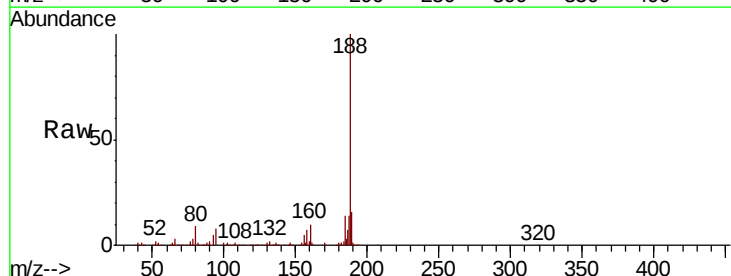
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.54 min Scan# 2460
 Delta R.T. -0.02 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

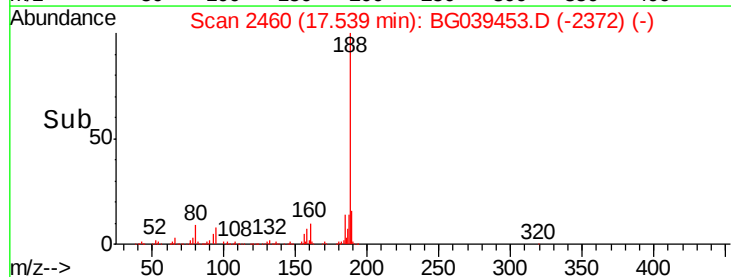
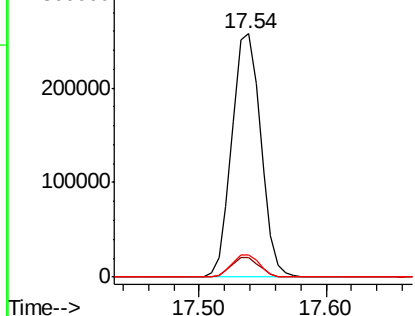
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.9	10.3
80	8.9	8.1	12.1

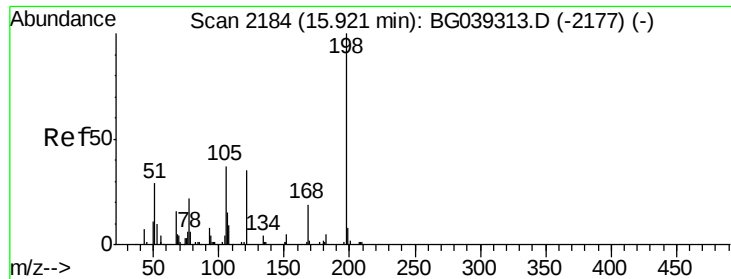


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

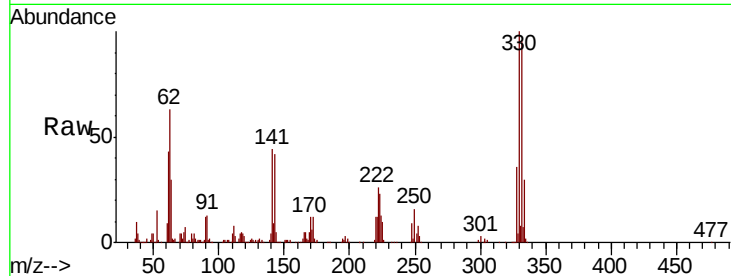




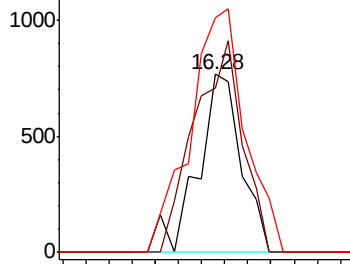
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.970 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

Instrument :
 BNA_G
 ClientSampled :
 COMP-10

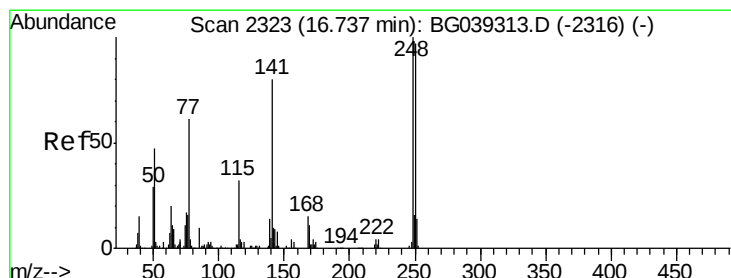
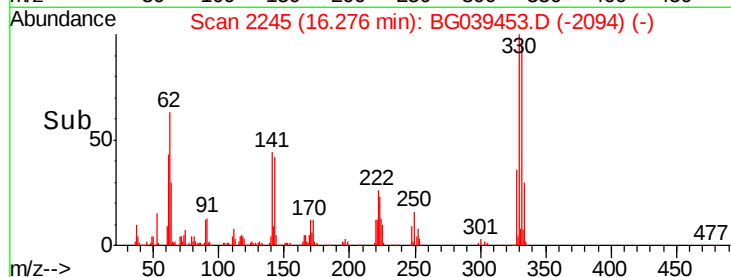
Tgt Ion:198 Resp: 1010
 Ion Ratio Lower Upper
 198 100
 51 92.2 27.4 67.4#
 105 131.9 19.7 59.7#



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

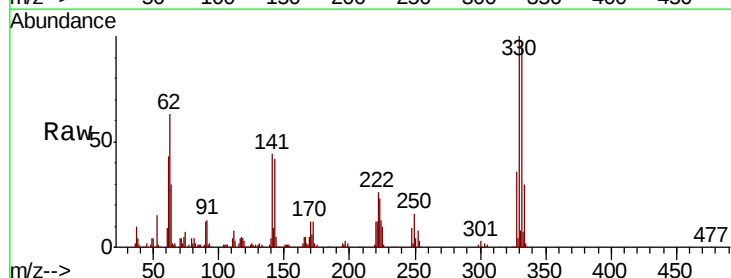


Time-->

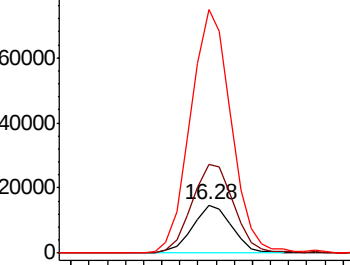


#67
 4-Bromophenyl-phenylether
 Concen: 4.983 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

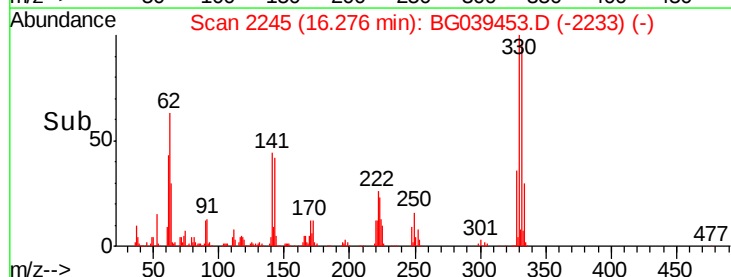
Tgt Ion:248 Resp: 22509
 Ion Ratio Lower Upper
 248 100
 250 185.1 77.6 116.4#
 141 507.5 63.9 95.9#

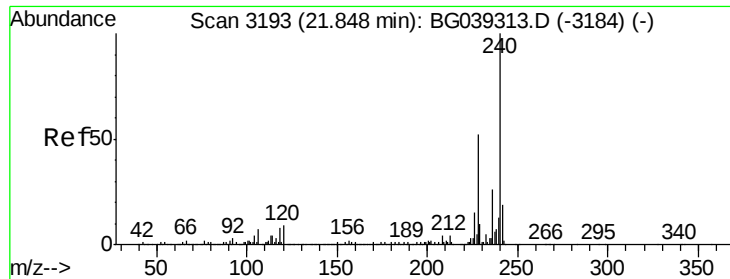


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

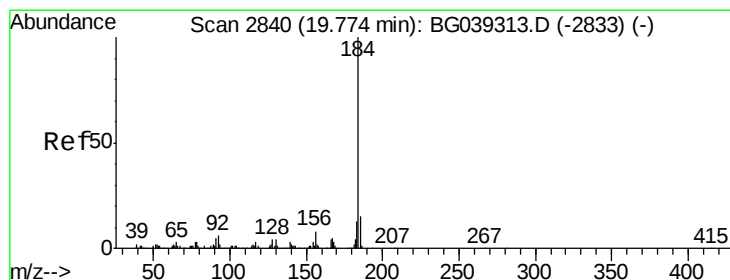
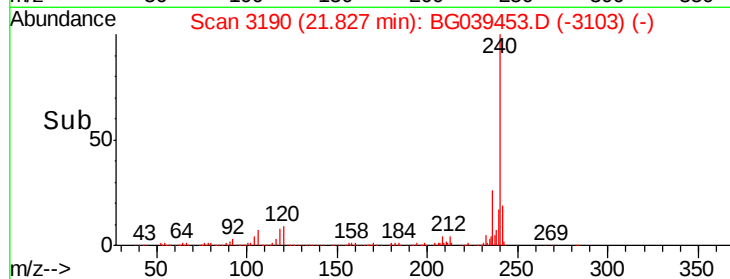
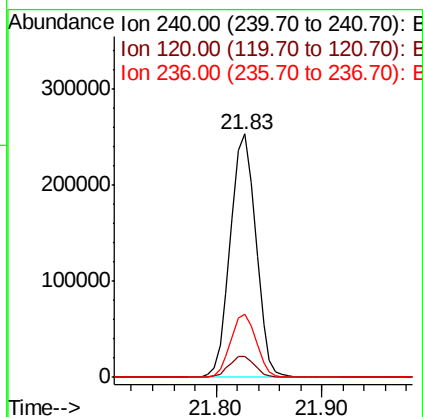
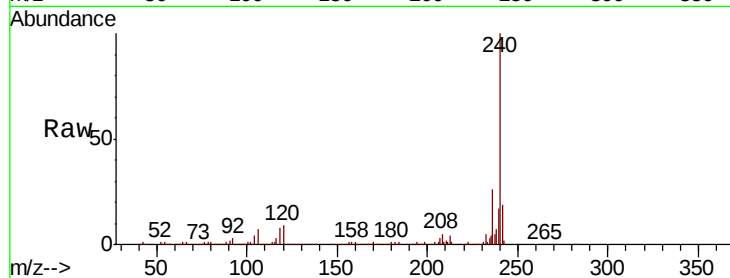




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039453.D
Acq: 12 Feb 2019 3:20

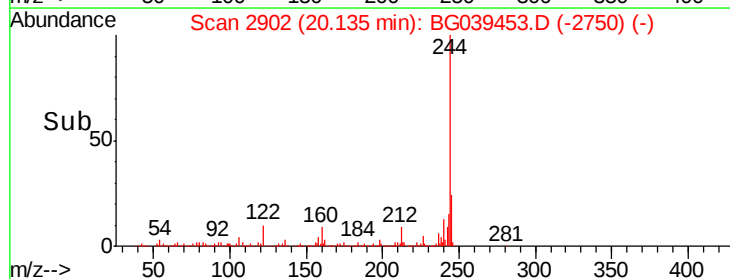
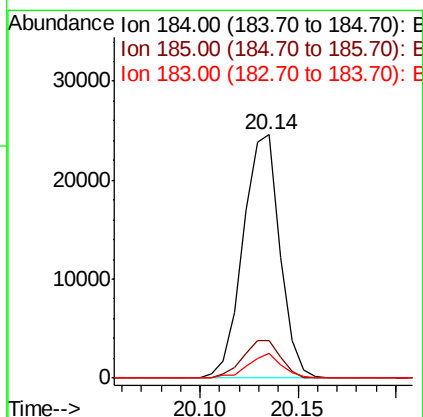
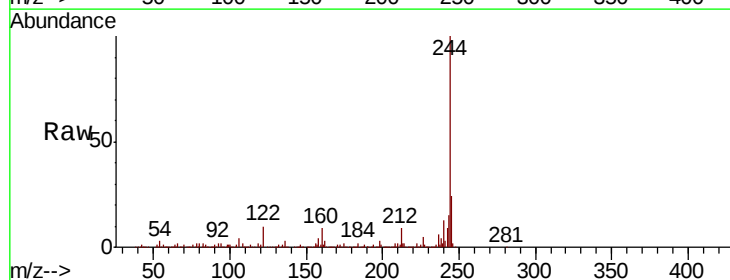
Instrument :
BNA_G
ClientSampleId :
COMP-10

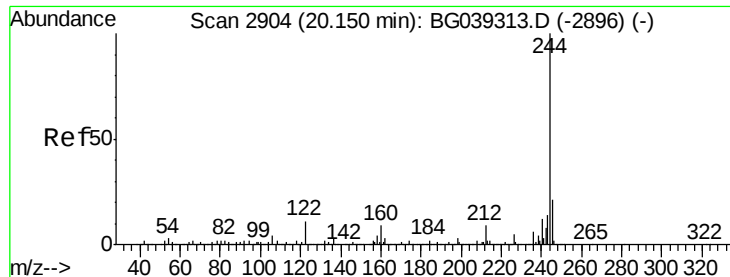
Tgt Ion:240 Resp: 424188
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 25.8 21.0 31.4



#77
Benzidine
Concen: 2.309 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039453.D
Acq: 12 Feb 2019 3:20

Tgt Ion:184 Resp: 32106
Ion Ratio Lower Upper
184 100
185 15.4 12.2 18.2
183 10.0 10.6 15.8#

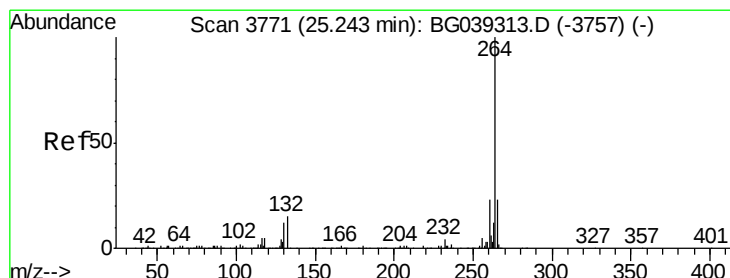
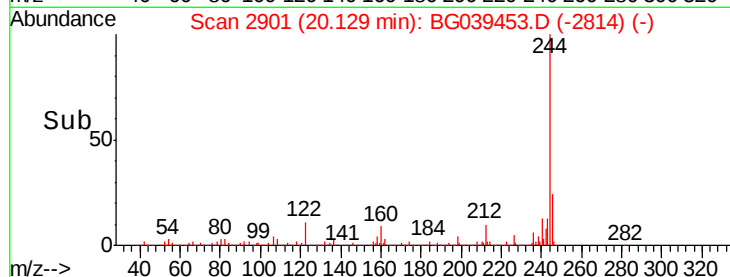
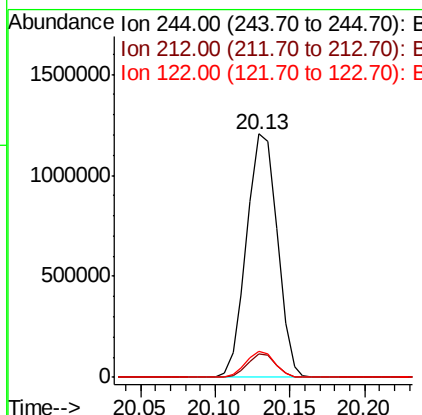
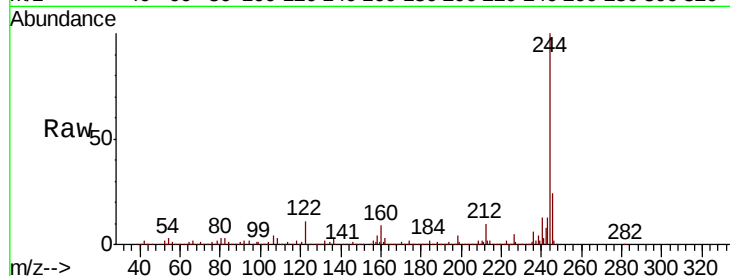




#79
 Terphenyl-d14
 Concen: 85.772 ng
 RT: 20.13 min Scan# 2901
 Delta R.T. -0.02 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

Instrument :
 BNA_G
 ClientSampleId :
 COMP-10

Tgt Ion:244 Resp: 1718888
 Ion Ratio Lower Upper
 244 100
 212 9.6 7.3 10.9
 122 10.8 8.4 12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.21 min Scan# 3766
 Delta R.T. -0.03 min
 Lab File: BG039453.D
 Acq: 12 Feb 2019 3:20

Tgt Ion:264 Resp: 424470
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.2 27.4
 265 22.4 18.5 27.7

