

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022119\
 Data File : BG039573.D
 Acq On : 21 Feb 2019 16:12
 Operator : JU/SJ
 Sample : K1349-10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 21 16:54:38 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	49785	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	218828	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	151075	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	383614	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	381809	20.00	ng	-0.02
87) Perylene-d12	25.20	264	324537	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	406516	139.75	ng	0.00
7) Phenol-d6	7.32	99	535240	125.01	ng	0.00
23) Nitrobenzene-d5	9.34	82	388346	110.87	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	221726	136.29	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	935092	88.79	ng	-0.02
79) Terphenyl-d14	20.13	244	1512450	83.85	ng	-0.02

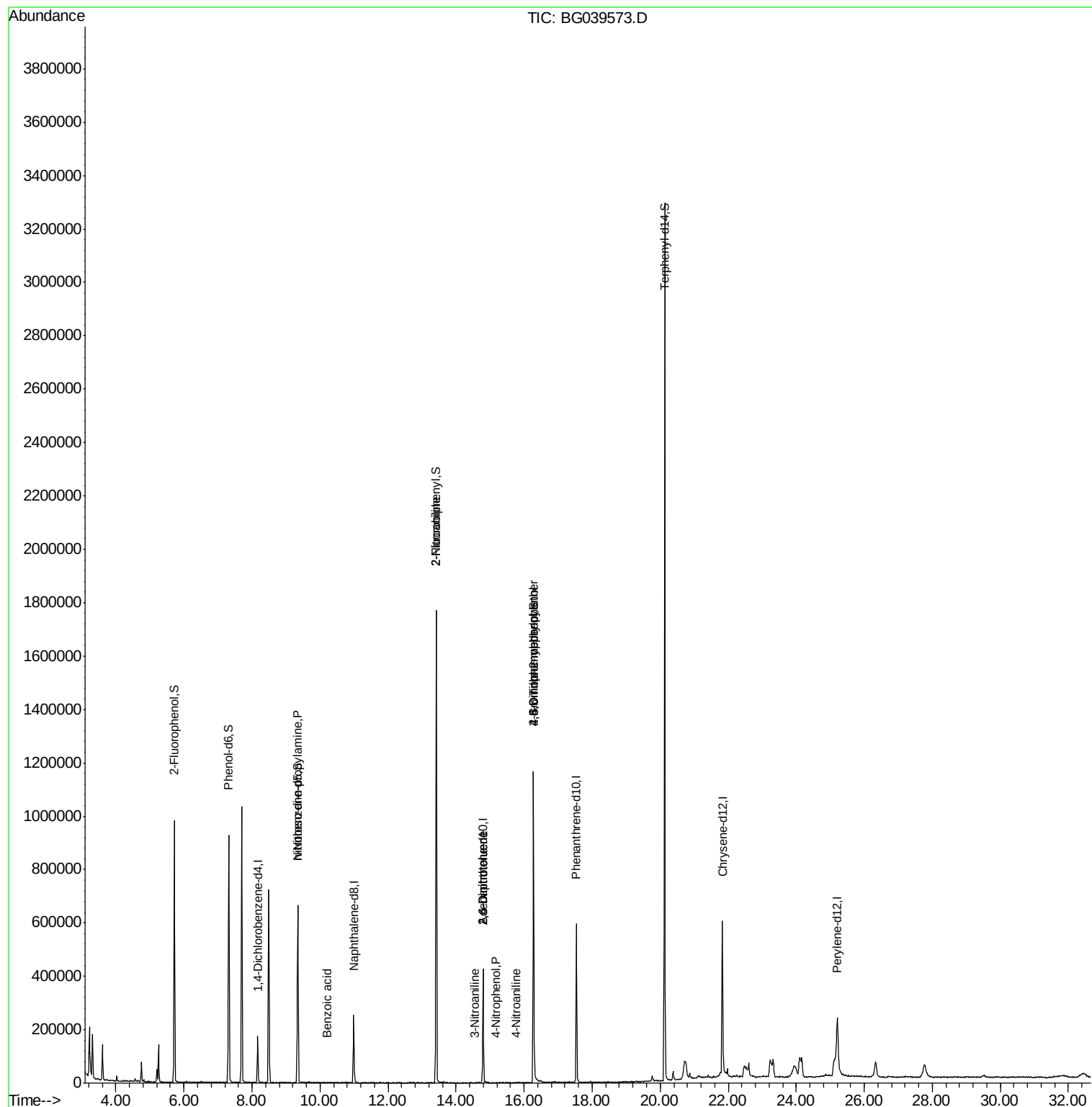
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1014	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	50393	16.582	ng	# 67
32) Benzoic acid	10.21	122	55	9.043	ng	# 1
48) 2-Nitroaniline	13.42	65	1681	8.808	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	19247	13.846	ng	# 22
53) 3-Nitroaniline	14.54	138	71	5.818	ng	# 1
56) 4-Nitrophenol	15.19	139	512	6.009	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19247	13.340	ng	# 17
62) 4-Nitroaniline	15.77	138	63	4.225	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	719	4.776	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	17439	4.098	ng	# 1

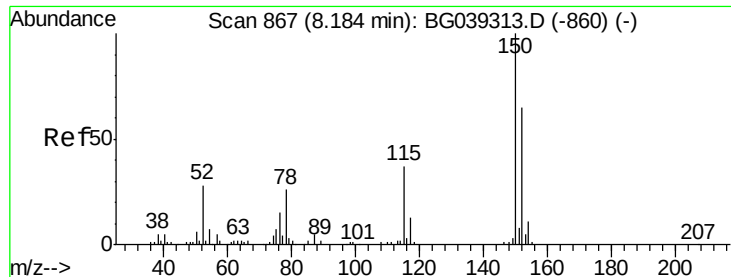
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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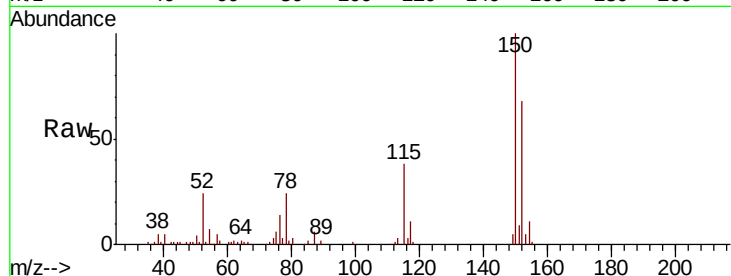


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

Instrument :
BNA_G
ClientSampled :

Tot Ion	152	Resp	49785
Ion	Ratio	Lower	Upper
152	100		
150	146.9	123.7	185.5
115	56.5	45.9	68.9

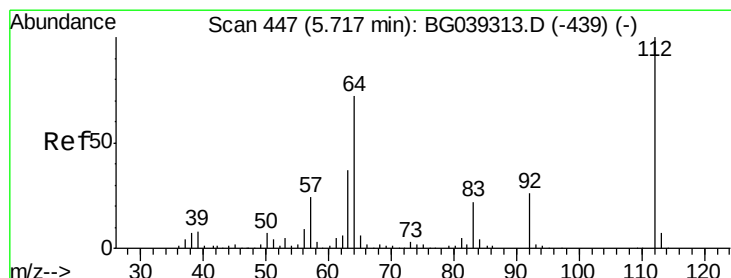
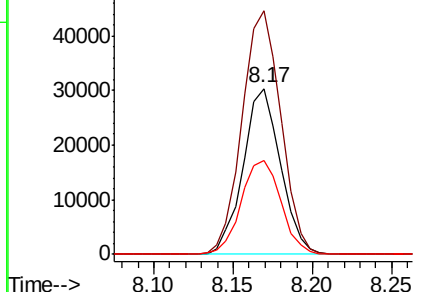
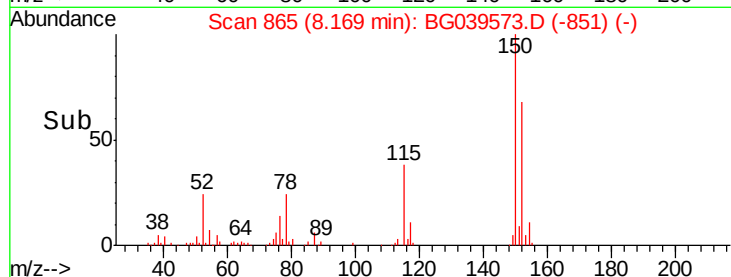


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

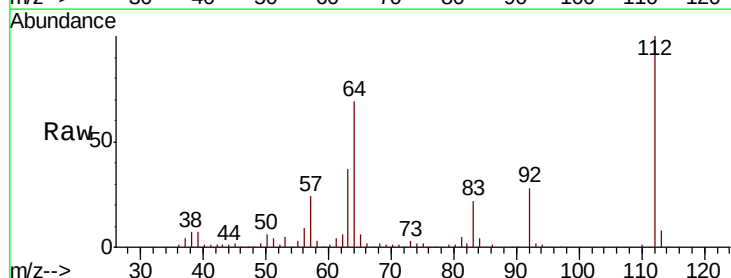
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 139.752 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

Tgt Ion	112	Resp	406516
Ion	Ratio	Lower	Upper
112	100		
64	69.2	57.8	86.8
63	37.5	29.8	44.6

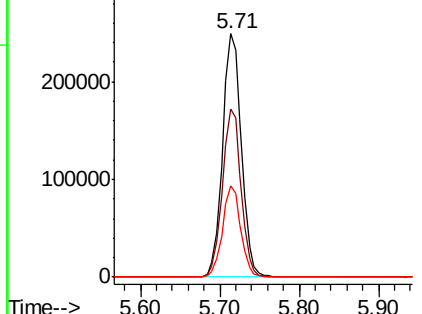
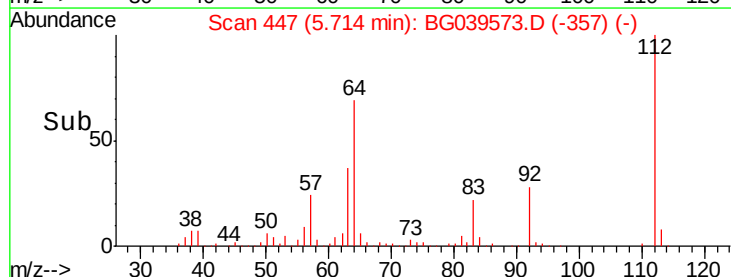


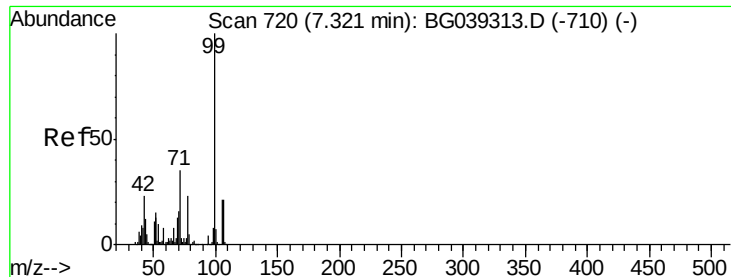
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 125.006 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039573.D

Acq: 21 Feb 2019 16:12

Instrument :

BNA_G

ClientSampleId :

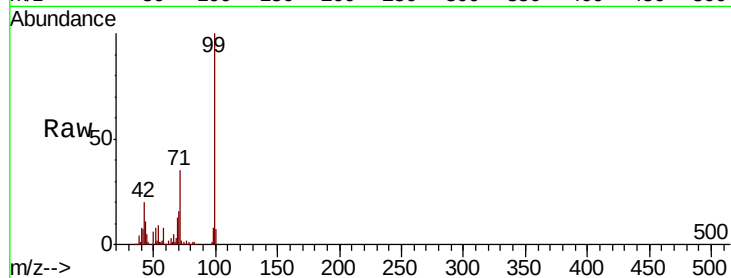
Tot Ion: 99 Resp: 535240

Ion Ratio Lower Upper

99 100

42 20.1 18.2 27.2

71 35.5 28.0 42.0

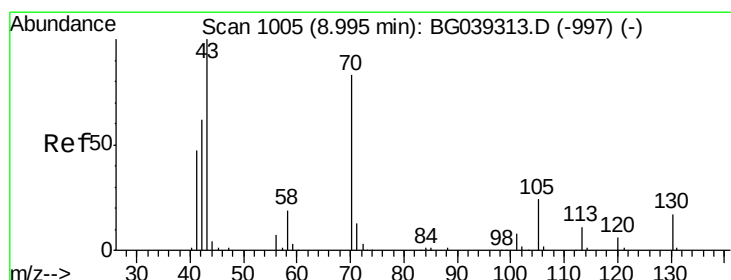
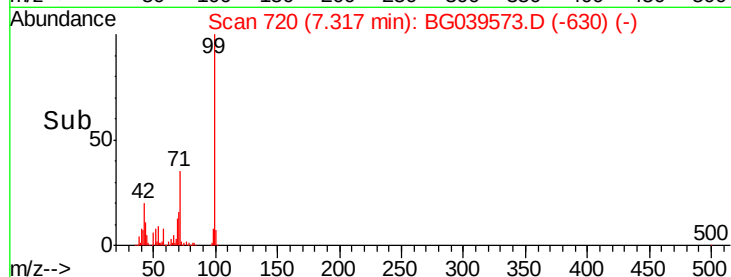
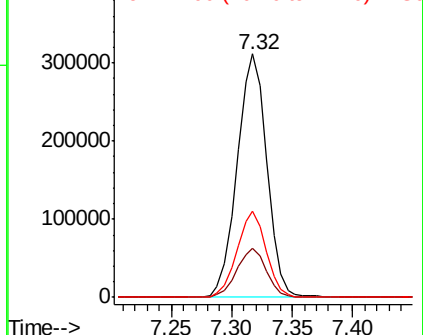


Abundance

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: 16.582 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039573.D

Acq: 21 Feb 2019 16:12

Tgt Ion: 70 Resp: 50393

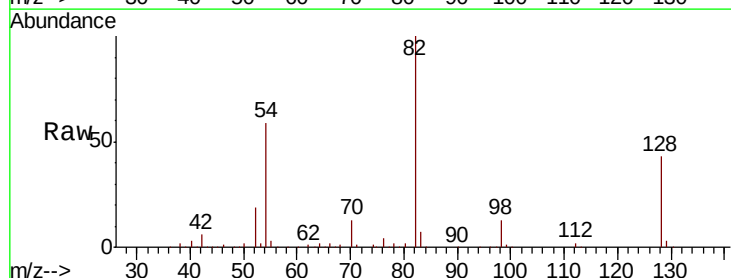
Ion Ratio Lower Upper

70 100

42 48.1 60.4 90.6#

101 0.0 7.5 11.3#

130 2.8 16.9 25.3#



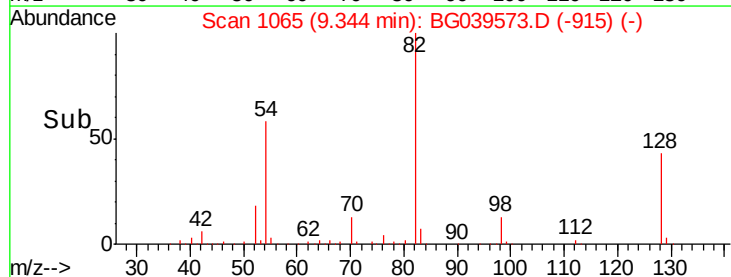
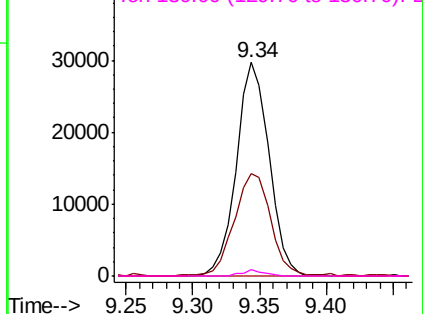
Abundance

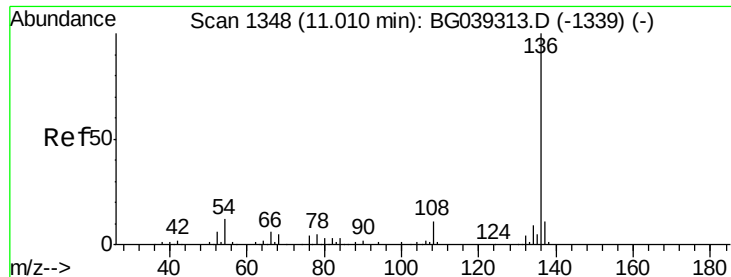
Ion 70.00 (69.70 to 70.70): BGC

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

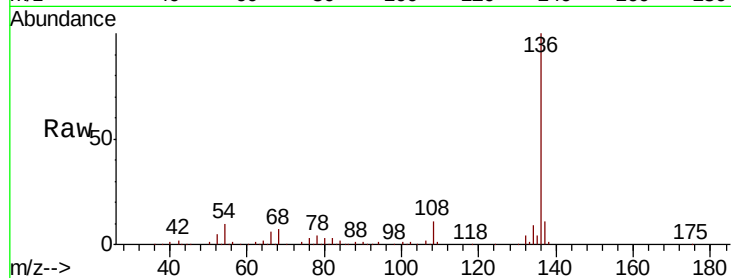




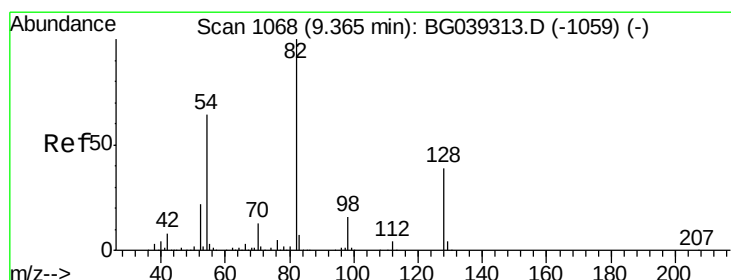
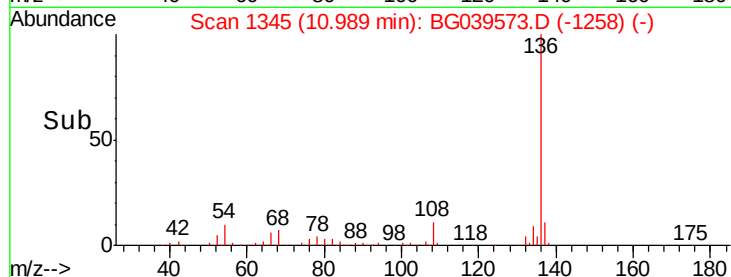
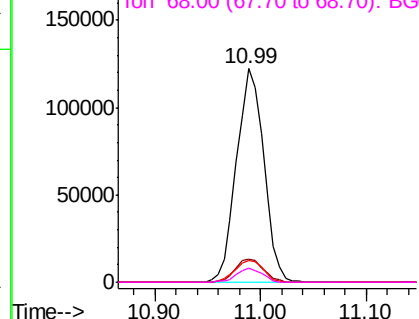
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	218828
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.1 13.7
54	10.4	9.4 14.2
68	6.8	4.2 6.4

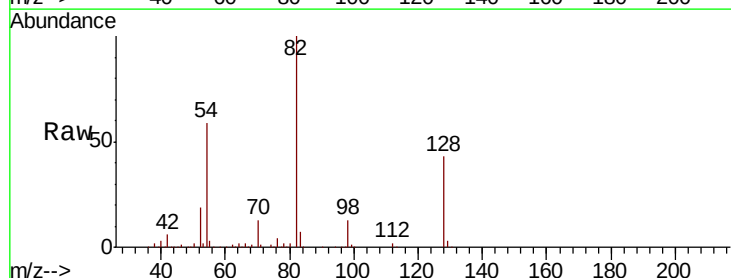


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

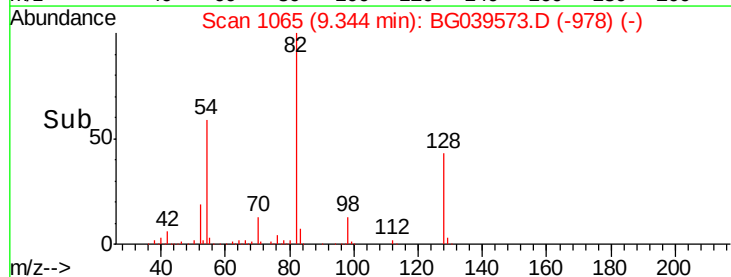
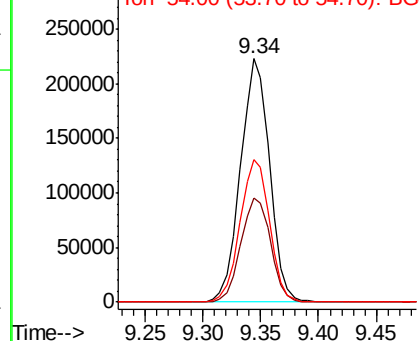


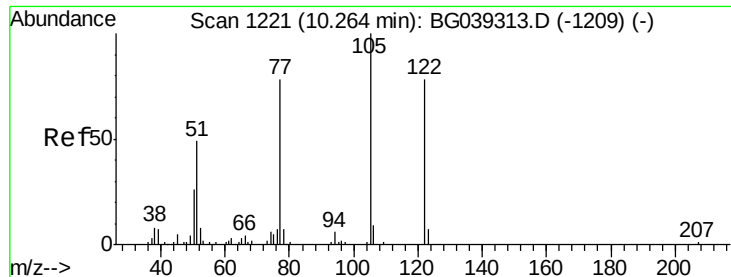
#23
Nitrobenzene-d5
Concen: 110.866 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

Tgt Ion: 82	Resp:	388346
Ion Ratio	Lower	Upper
82	100	
128	42.6	31.3 46.9
54	58.6	50.9 76.3



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

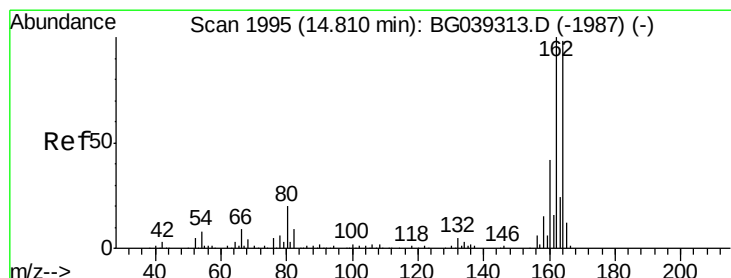
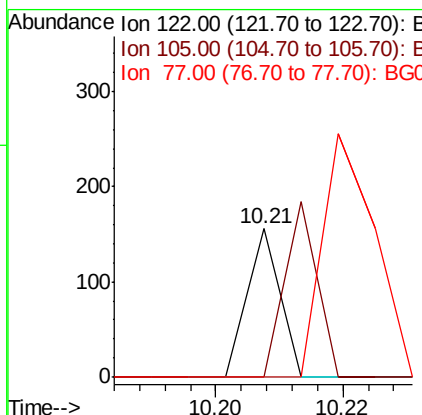
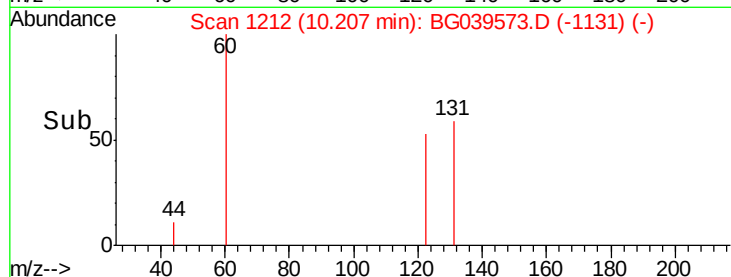
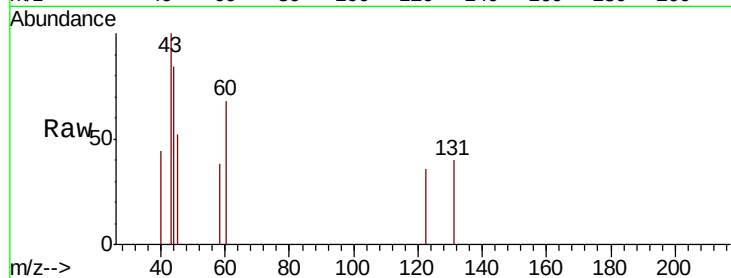




#32
Benzoic acid
Concen: 9.043 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.06 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

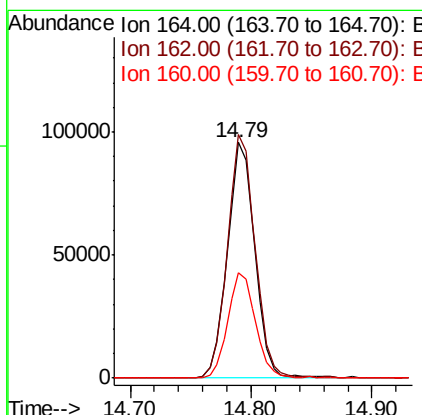
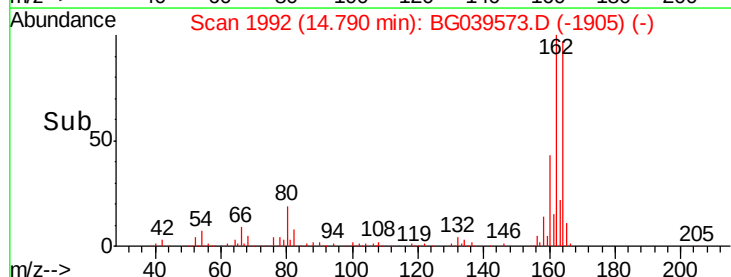
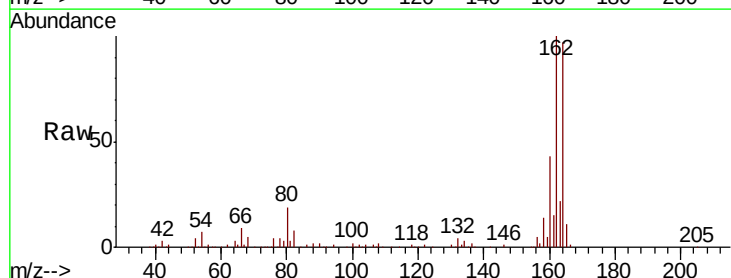
Instrument :
BNA_G
ClientSampleId :

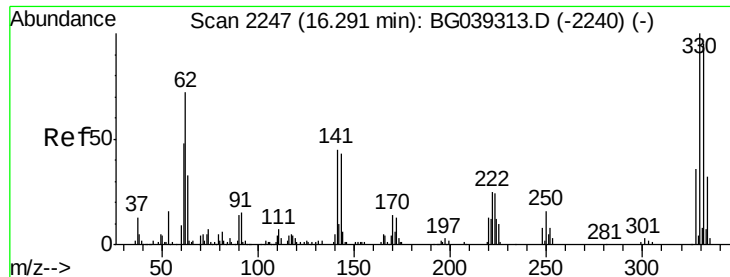
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.6	122.4
160	44.9	34.2	51.2

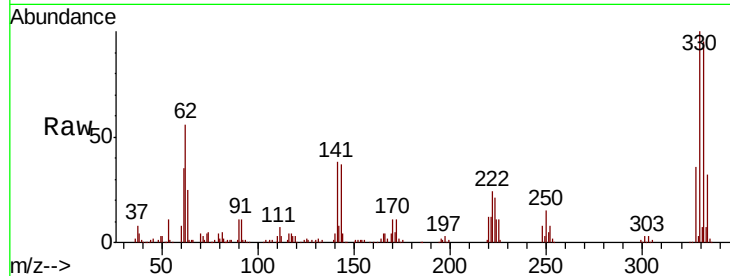




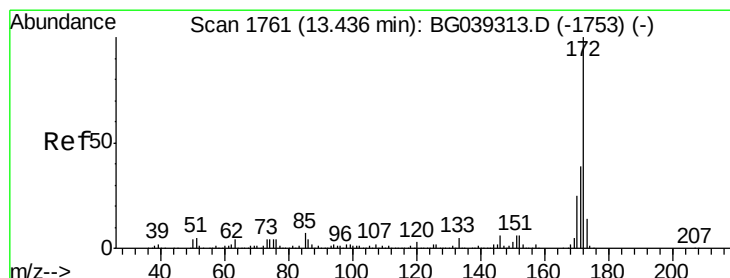
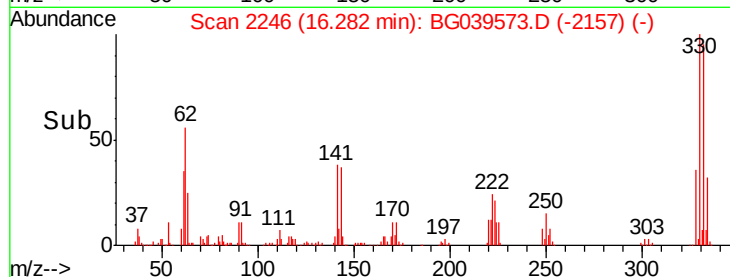
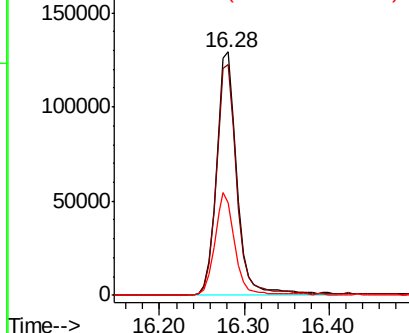
#42
 2,4,6-Tribromophenol
 Concen: 136.294 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039573.D
 Acq: 21 Feb 2019 16:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 221726
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.7 113.5
 141 40.7 35.6 53.4

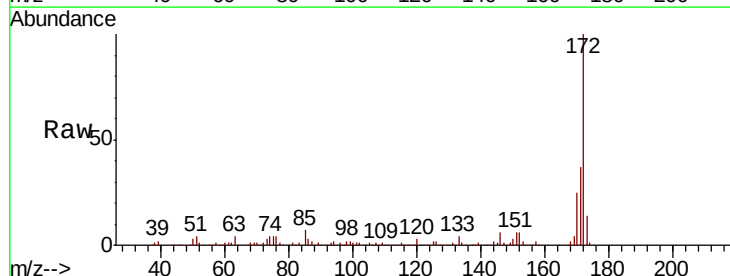


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

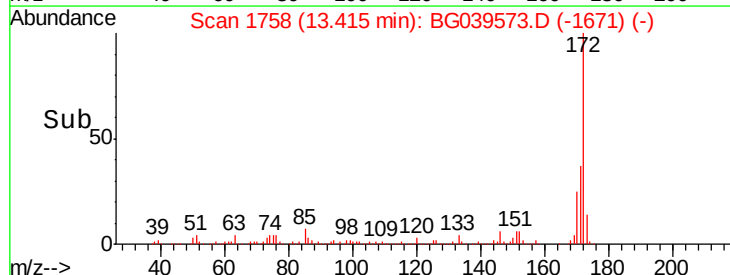
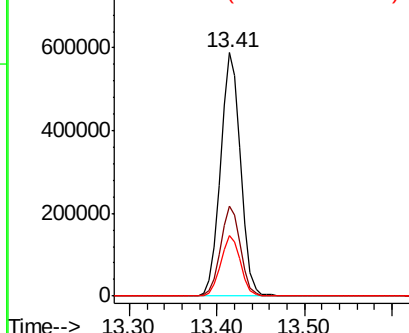


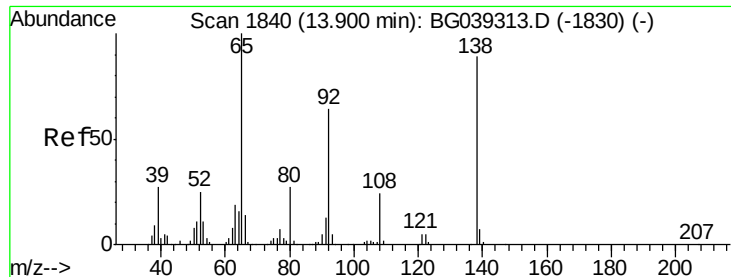
#45
 2-Fluorobiphenyl
 Concen: 88.793 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039573.D
 Acq: 21 Feb 2019 16:12

Tgt Ion:172 Resp: 935092
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.8 46.2
 170 24.8 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: 8.808 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.48 min

Lab File: BG039573.D

Acq: 21 Feb 2019 16:12

Instrument :

BNA_G

ClientSampled :

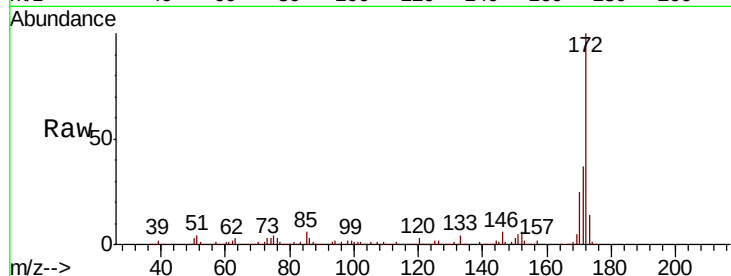
Tot Ion: 65 Resp: 1681

Ion Ratio Lower Upper

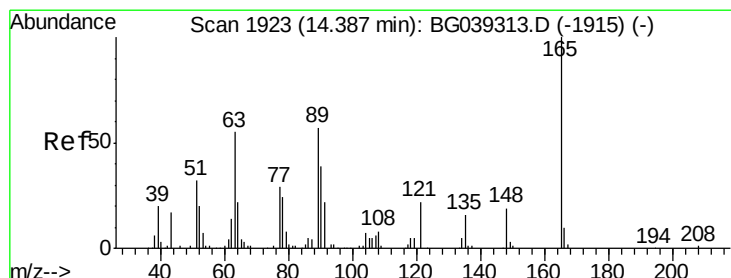
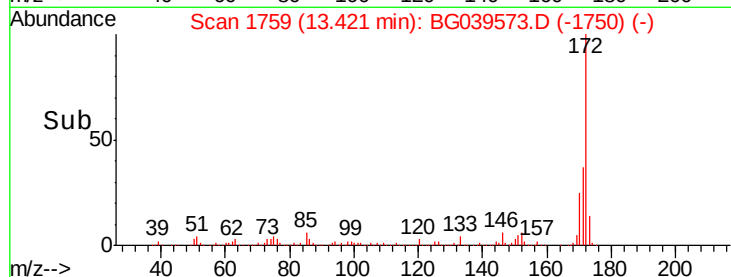
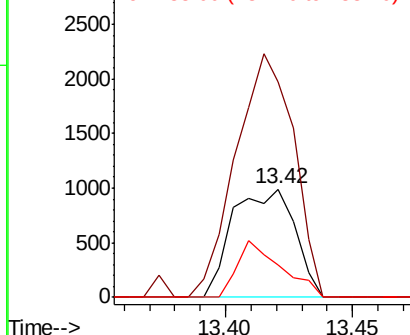
65 100

92 199.9 51.4 77.2#

138 30.2 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): BGC



#51

2,6-Dinitrotoluene

Concen: 13.846 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039573.D

Acq: 21 Feb 2019 16:12

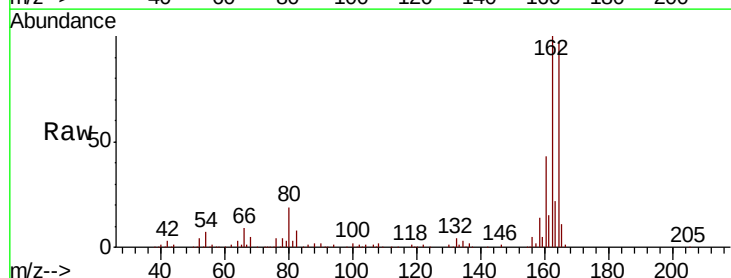
Tgt Ion: 165 Resp: 19247

Ion Ratio Lower Upper

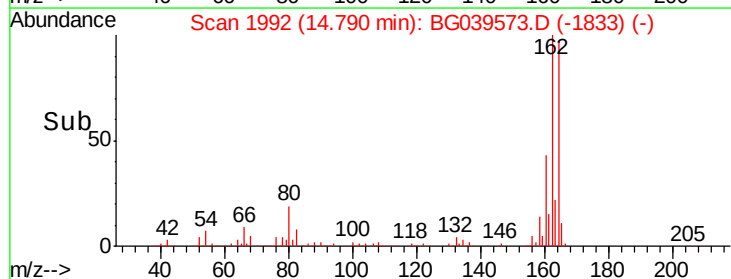
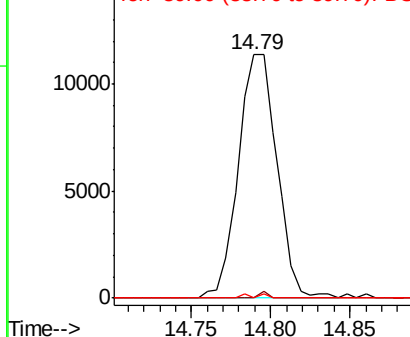
165 100

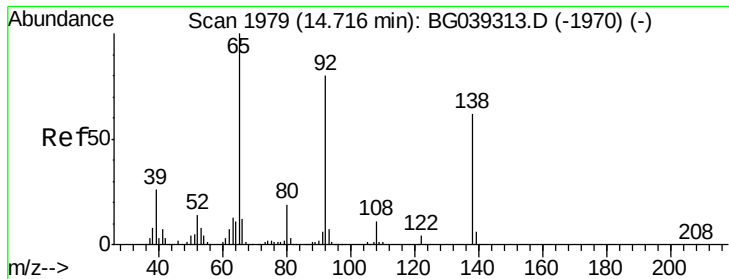
63 0.0 47.0 70.6#

89 0.0 45.8 68.8#



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

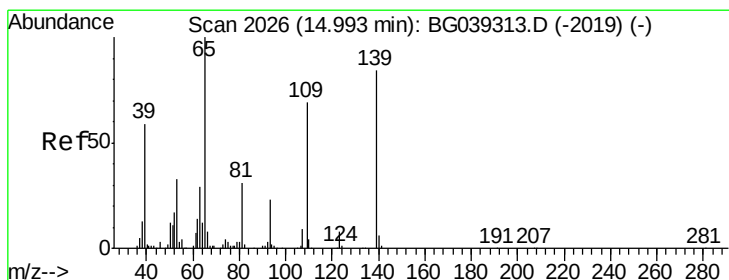
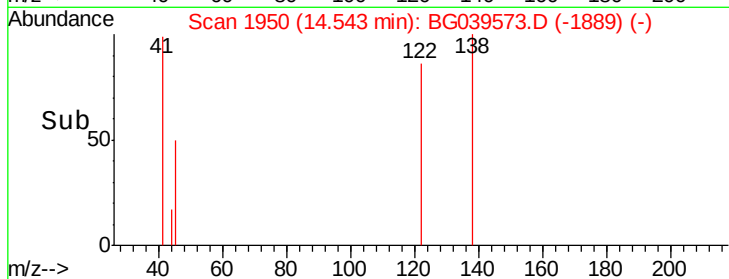
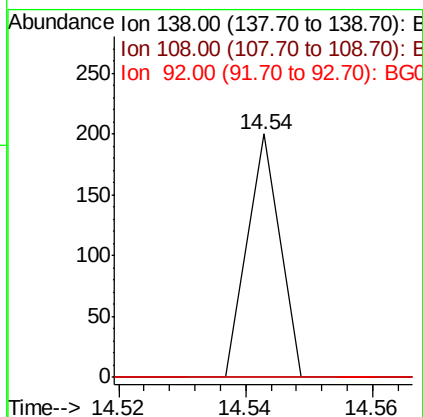
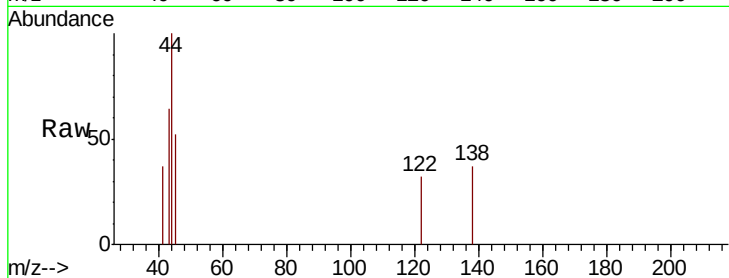




#53
3-Nitroaniline
Concen: 5.818 ng
RT: 14.54 min Scan# 1950
Delta R.T. -0.17 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

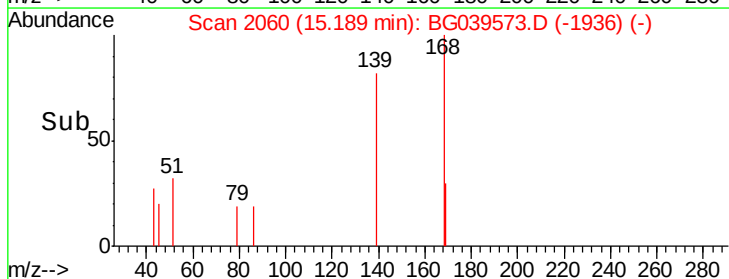
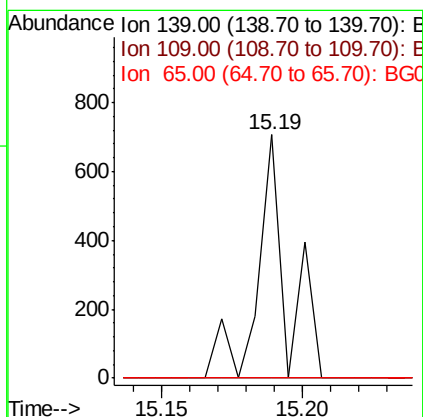
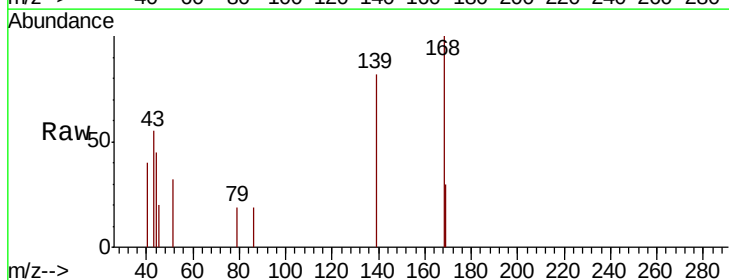
Instrument :
BNA_G
ClientSampleId :

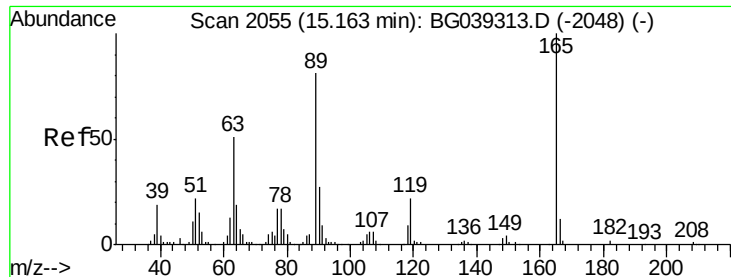
Tot Ion:138 Resp: 71
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#



#56
4-Nitrophenol
Concen: 6.009 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.20 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

Tgt Ion:139 Resp: 512
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#





#57

2,4-Dinitrotoluene

Concen: 13.340 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039573.D

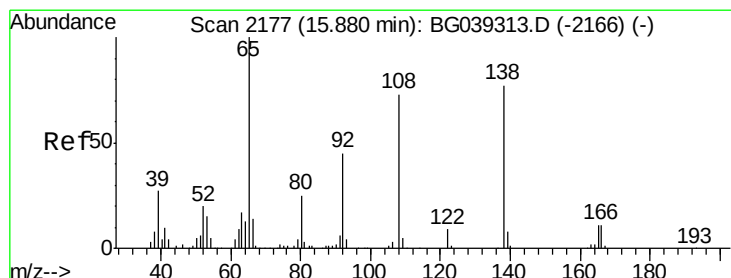
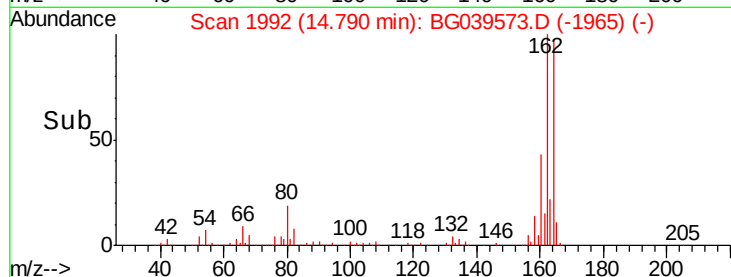
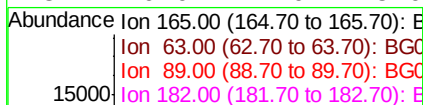
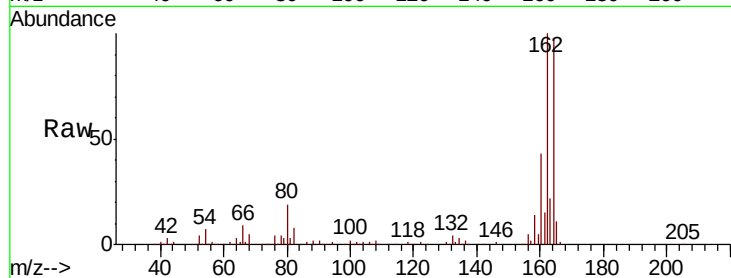
Acq: 21 Feb 2019 16:12

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	19247
Ion Ratio	Lower	Upper
165	100	
63	0.0	41.0 61.6#
89	0.0	64.6 96.8#
182	0.0	2.0 3.0#



#62

4-Nitroaniline

Concen: 4.225 ng

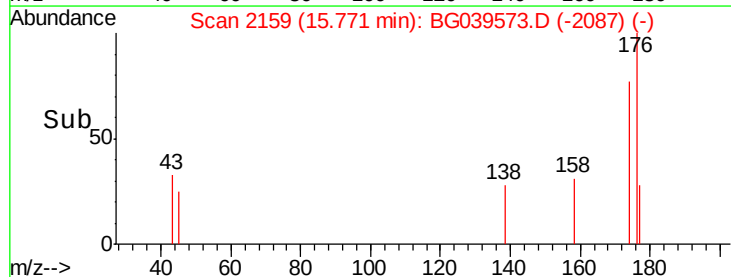
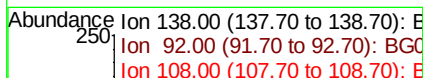
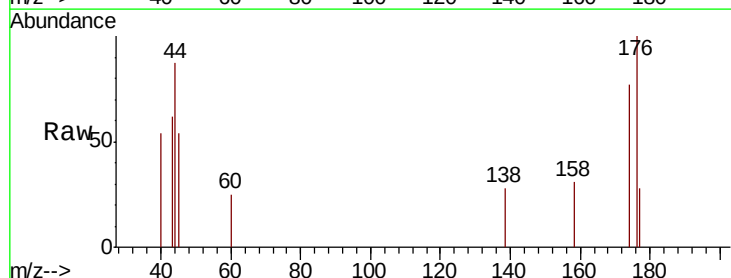
RT: 15.77 min Scan# 2159

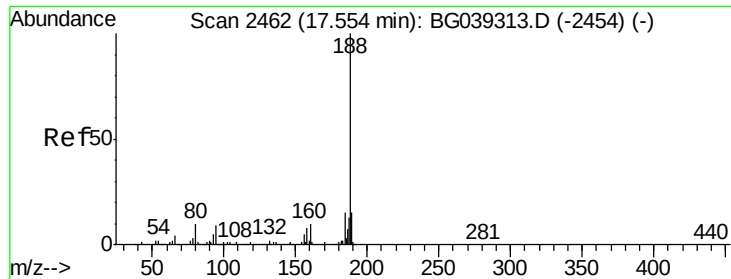
Delta R.T. -0.11 min

Lab File: BG039573.D

Acq: 21 Feb 2019 16:12

Tgt Ion:138	Resp:	63
Ion Ratio	Lower	Upper
138	100	
92	0.0	38.7 78.7#
108	0.0	74.6 114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039573.D

Acq: 21 Feb 2019 16:12

Instrument :

BNA_G

ClientSampleId :

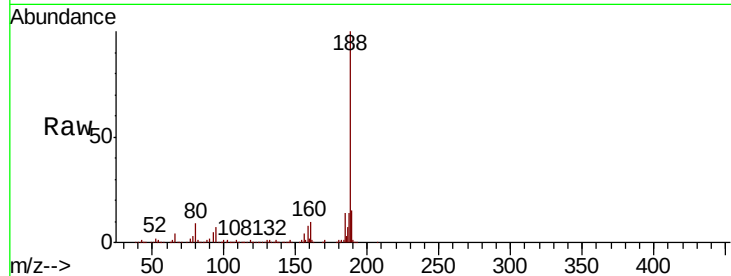
Tot Ion:188 Resp: 383614

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

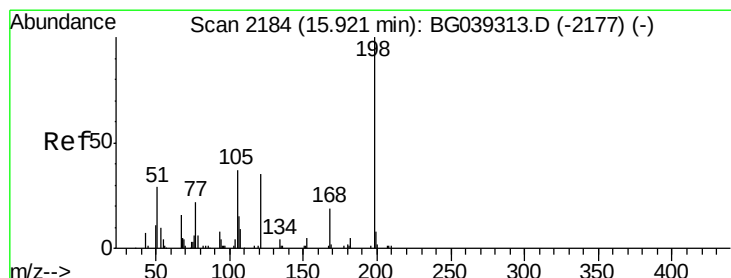
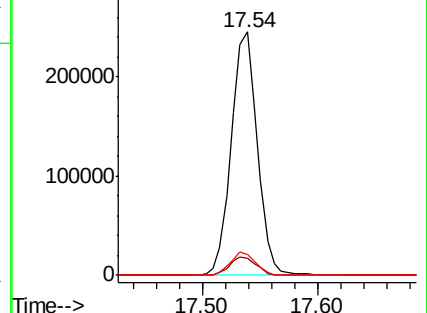
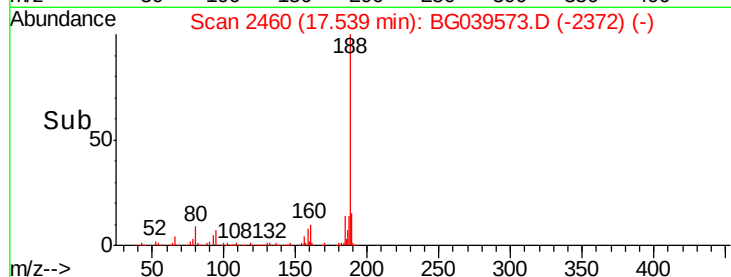
80 8.6 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.776 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039573.D

Acq: 21 Feb 2019 16:12

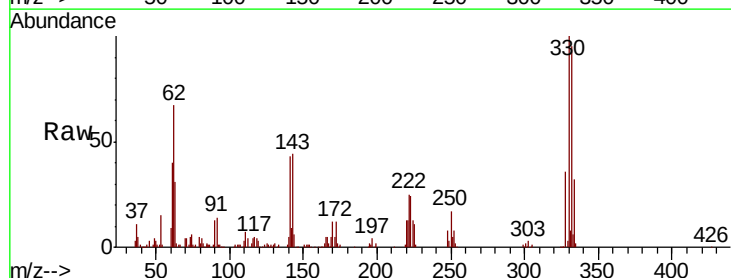
Tgt Ion:198 Resp: 719

Ion Ratio Lower Upper

198 100

51 124.7 27.4 67.4#

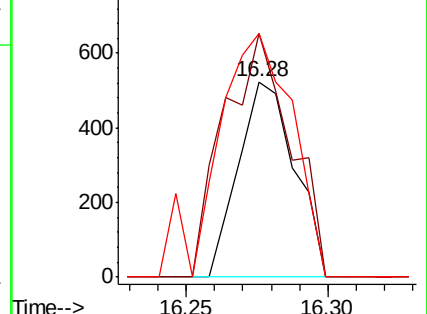
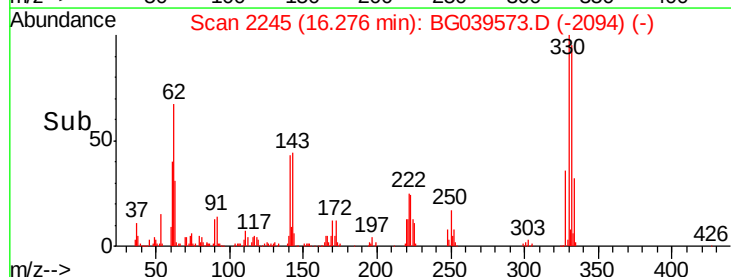
105 124.9 19.7 59.7#

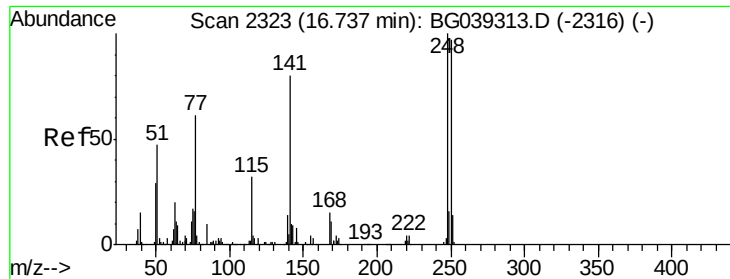


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

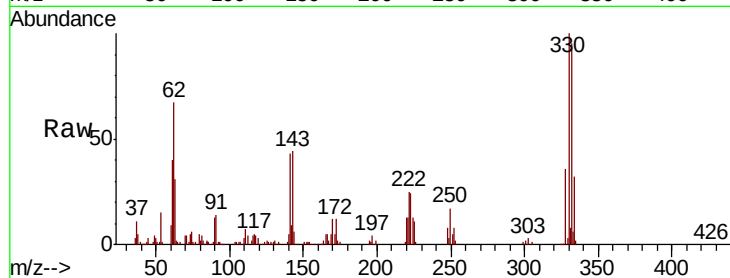




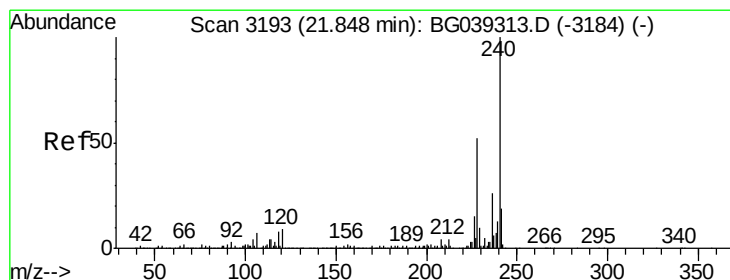
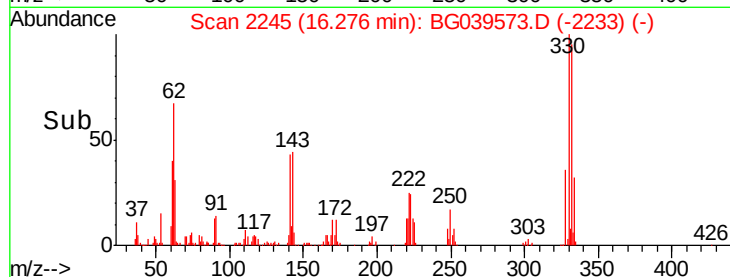
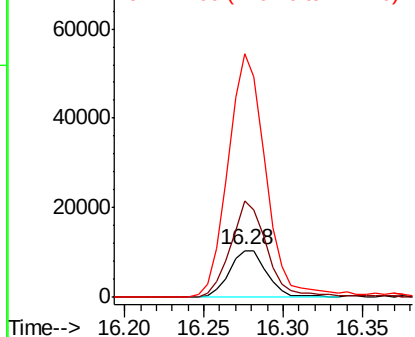
#67
4-Bromophenyl-phenylether
Concen: 4.098 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17439
Ion Ratio Lower Upper
248 100
250 206.5 77.6 116.4#
141 523.0 63.9 95.9#

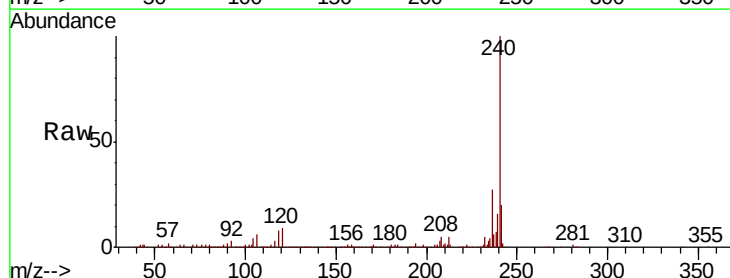


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

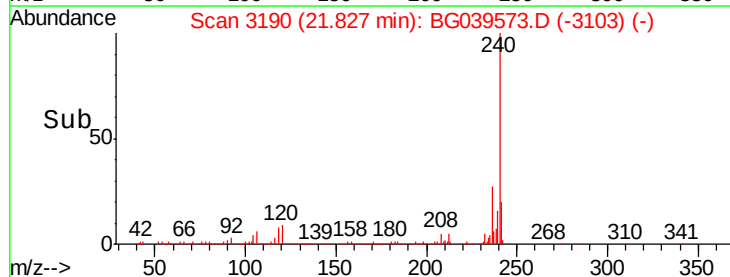
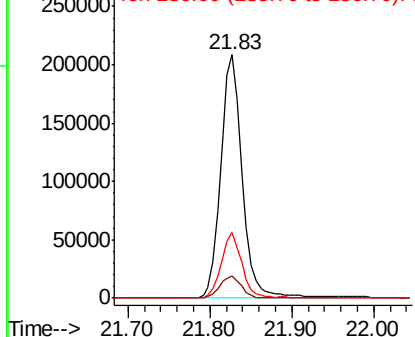


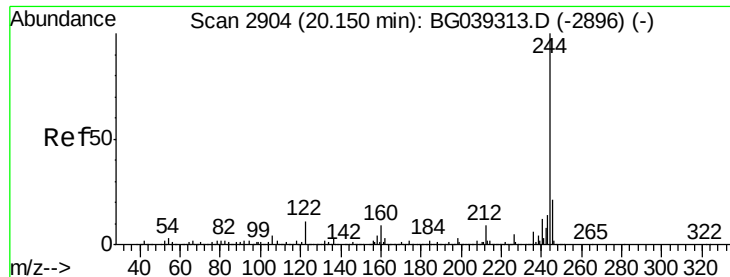
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039573.D
Acq: 21 Feb 2019 16:12

Tgt Ion:240 Resp: 381809
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.6
236 26.8 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



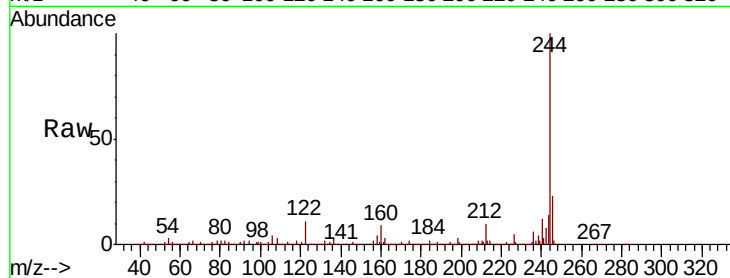


#79
 Terphenyl-d14
 Concen: 83.848 ng
 RT: 20.13 min Scan# 2901
 Delta R.T. -0.02 min
 Lab File: BG039573.D
 Acq: 21 Feb 2019 16:12

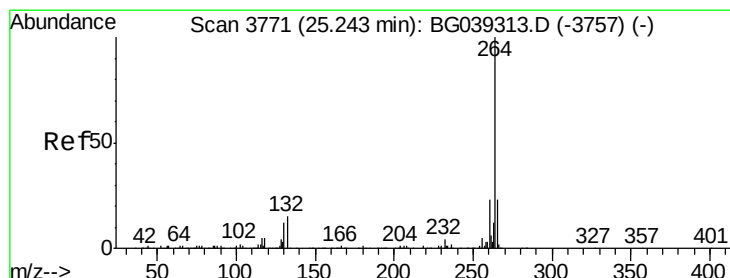
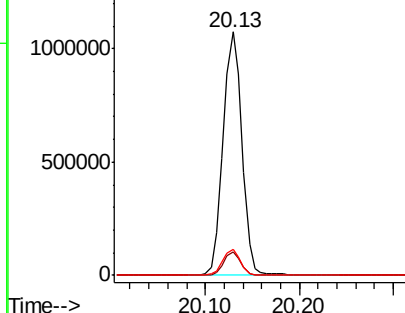
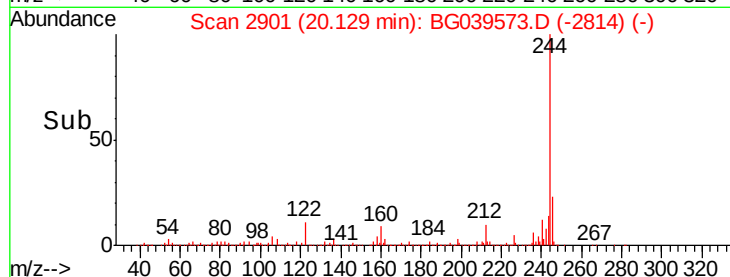
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1512450

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.3	10.9
122	10.5	8.4	12.6



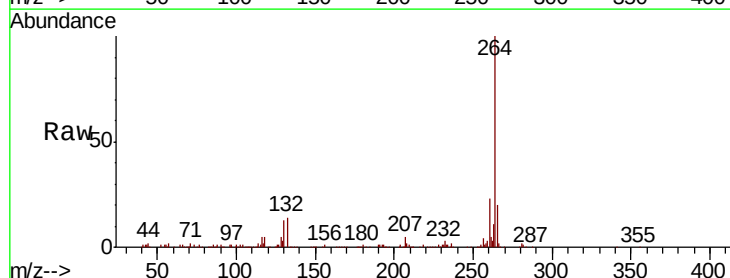
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3765
 Delta R.T. -0.04 min
 Lab File: BG039573.D
 Acq: 21 Feb 2019 16:12

Tgt Ion:264 Resp: 324537

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	20.0	18.5	27.7



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

