

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021819\
 Data File : BG039545.D
 Acq On : 18 Feb 2019 18:45
 Operator : JU/SJ
 Sample : K1484-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-3-S

Quant Time: Feb 19 00:44:40 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

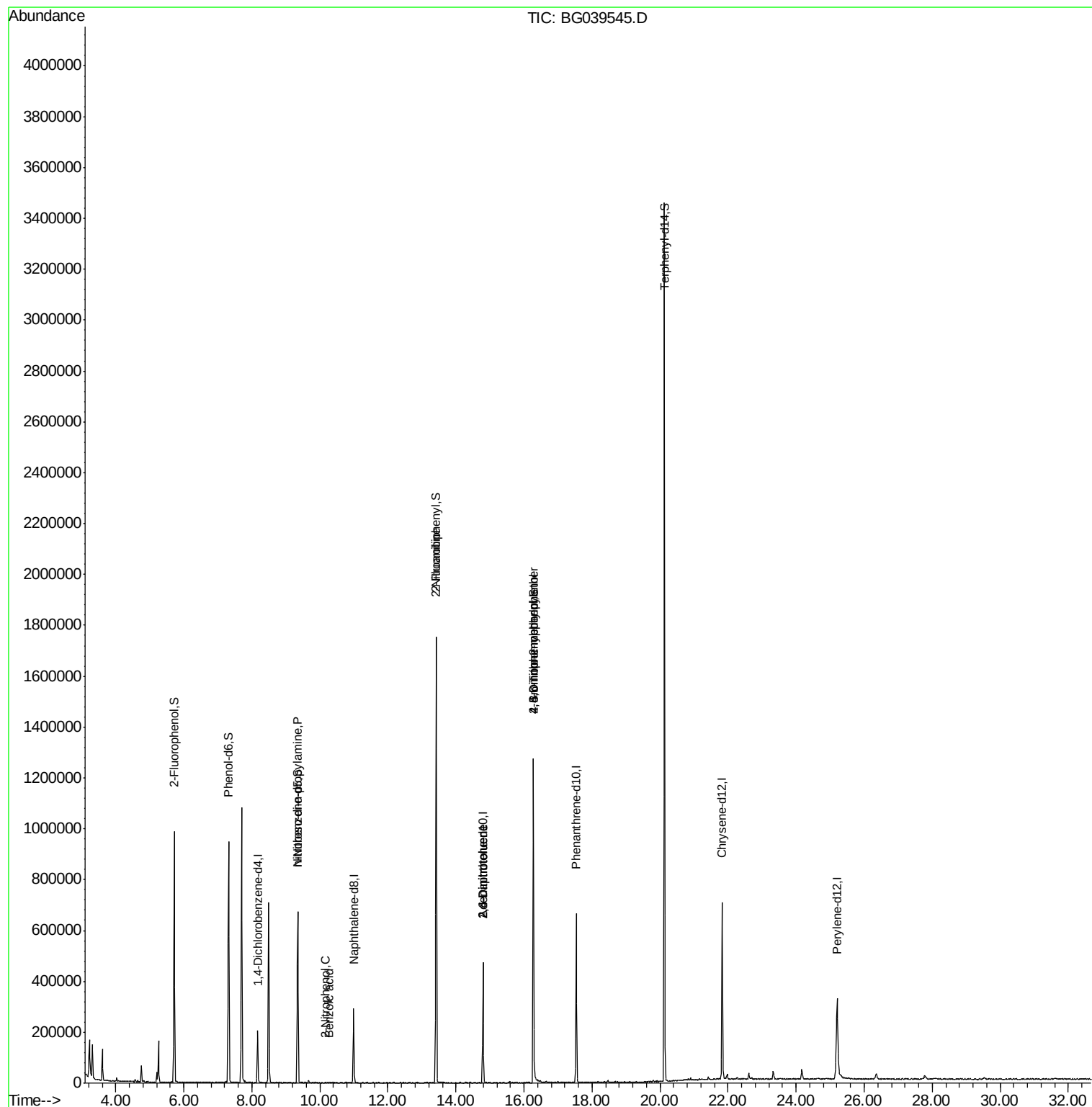
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	56790	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	246697	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	166782	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	425403	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	436382	20.00	ng	-0.02
87) Perylene-d12	25.21	264	411966	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	420961	126.87	ng	0.00
7) Phenol-d6	7.31	99	552651	113.15	ng	0.00
23) Nitrobenzene-d5	9.35	82	402094	101.82	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	245048	136.44	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	963058	82.84	ng	-0.02
79) Terphenyl-d14	20.13	244	1626080	78.87	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1315	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	53373	15.396 ng	#	28
26) 2-Nitrophenol	10.16	139	56	4.044 ng	#	31
32) Benzoic acid	10.26	122	128	9.066 ng	#	37
48) 2-Nitroaniline	13.41	65	1381	8.677 ng	#	14
51) 2,6-Dinitrotoluene	14.79	165	22838	14.391 ng	#	24
57) 2,4-Dinitrotoluene	14.79	165	22838	13.753 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.28	198	1009	4.935 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	18566	3.934 ng	#	1

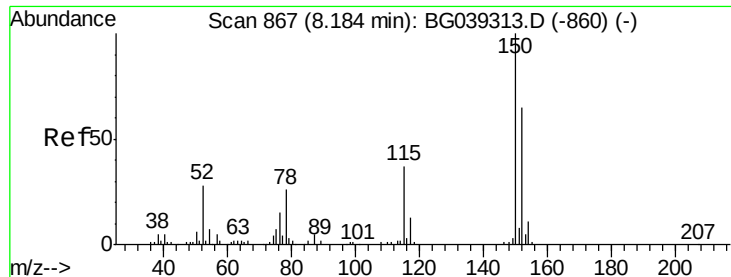
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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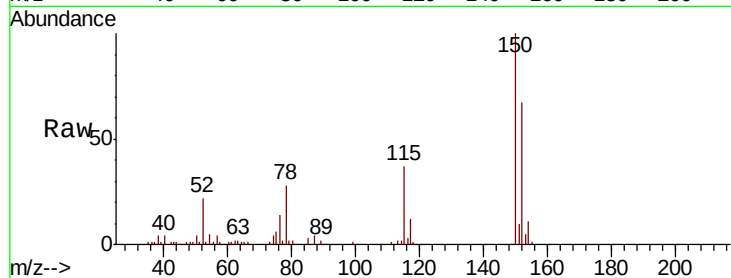


#1

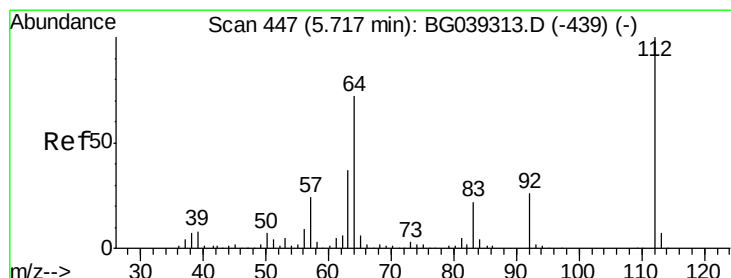
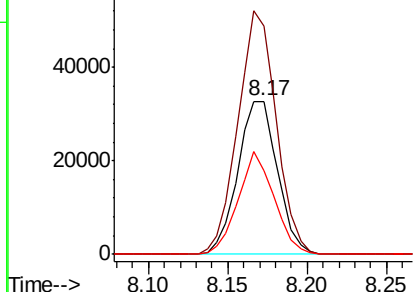
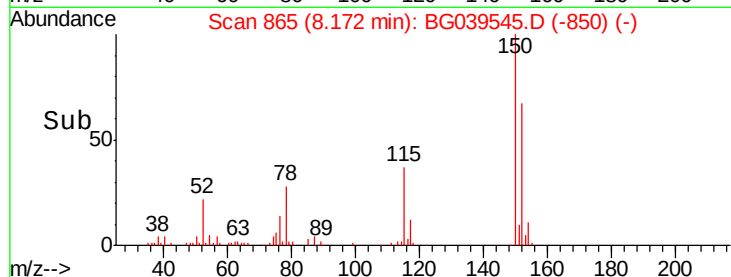
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039545.D
Acq: 18 Feb 2019 18:45

Instrument :
BNA_G
ClientSampleId :
M-3-S

Tgt Ion:152 Resp: 56790
Ion Ratio Lower Upper
152 100
150 149.2 123.7 185.5
115 54.8 45.9 68.9



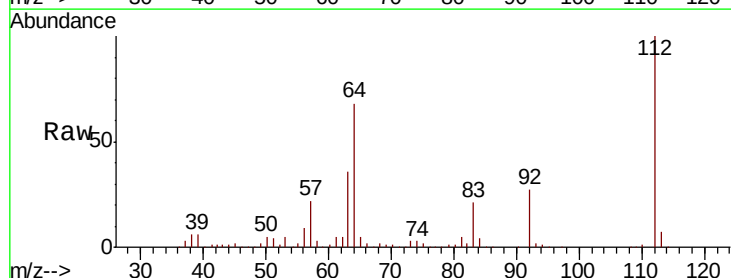
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



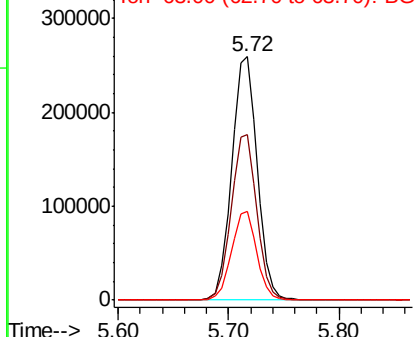
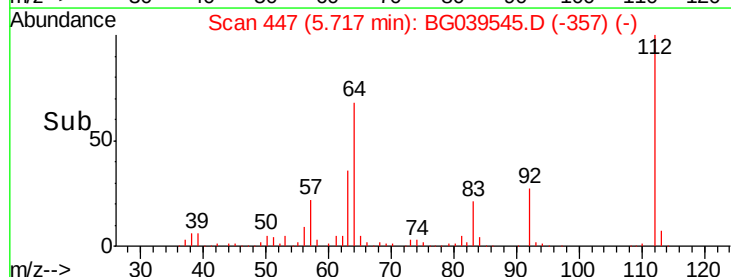
#5

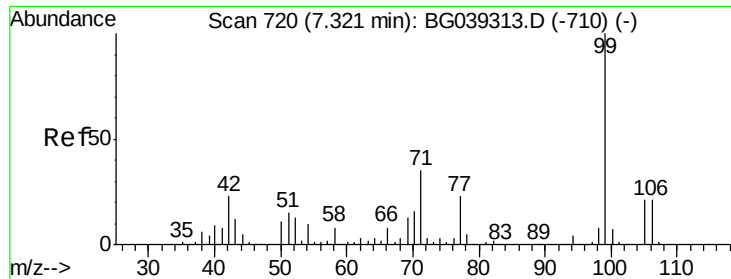
2-Fluorophenol
Concen: 126.867 ng
RT: 5.72 min Scan# 447
Delta R.T. 0.00 min
Lab File: BG039545.D
Acq: 18 Feb 2019 18:45

Tgt Ion:112 Resp: 420961
Ion Ratio Lower Upper
112 100
64 68.1 57.8 86.8
63 36.2 29.8 44.6



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: 113.151 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039545.D

Acq: 18 Feb 2019 18:45

Instrument :

BNA_G

ClientSampleId :

M-3-S

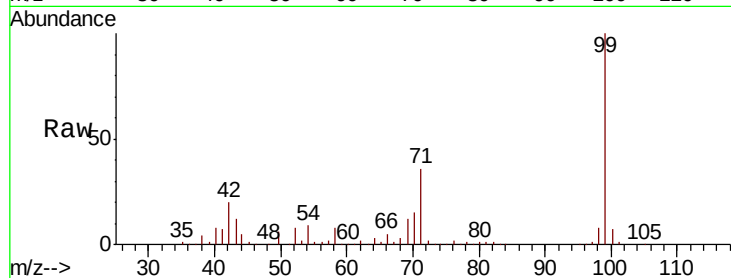
Tgt Ion: 99 Resp: 552651

Ion Ratio Lower Upper

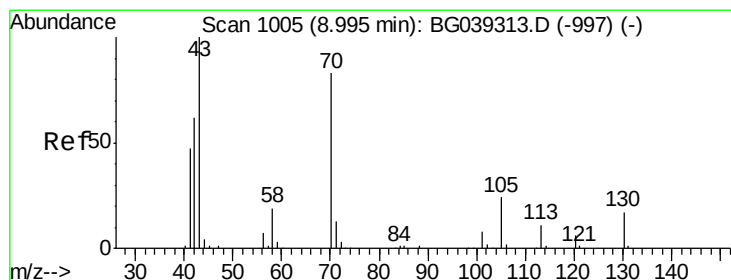
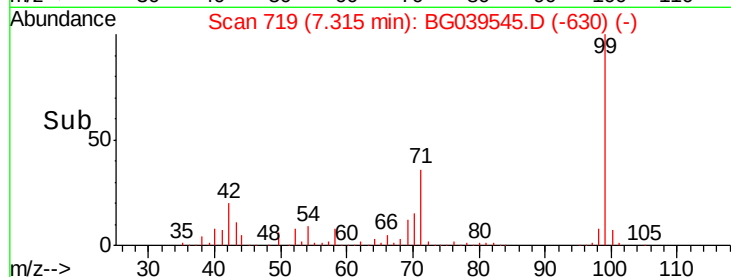
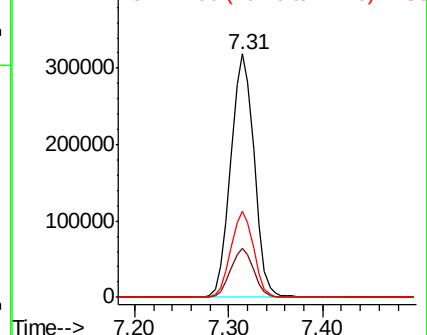
99 100

42 20.1 18.2 27.2

71 35.6 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: 15.396 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039545.D

Acq: 18 Feb 2019 18:45

Tgt Ion: 70 Resp: 53373

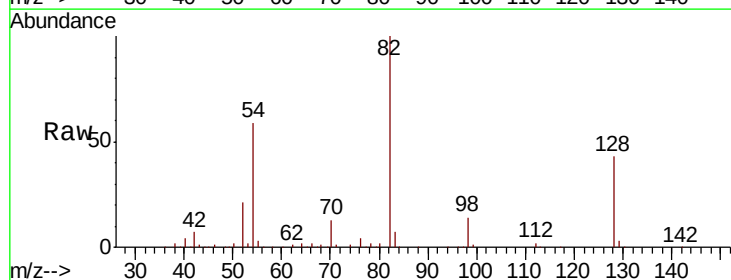
Ion Ratio Lower Upper

70 100

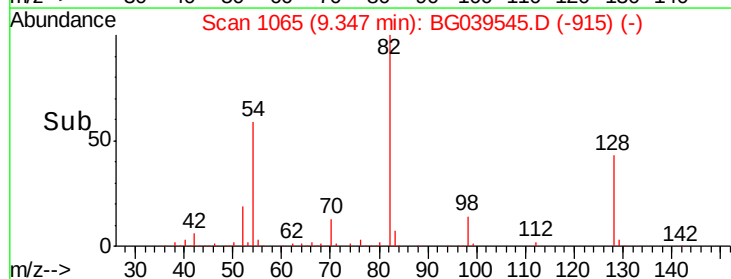
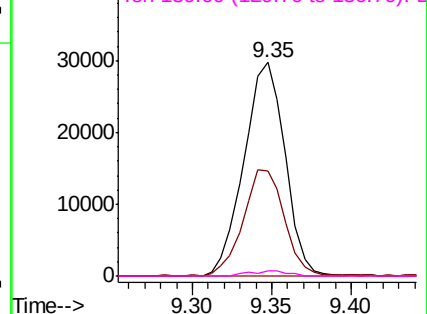
42 49.0 60.4 90.6#

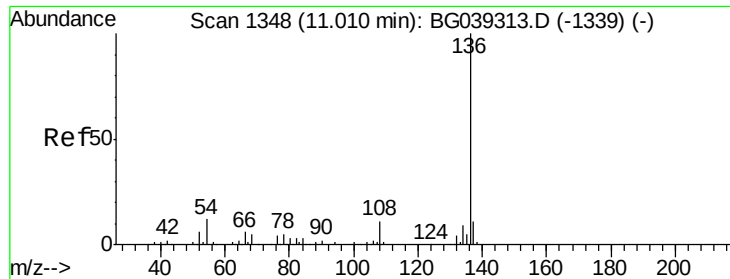
101 0.0 7.5 11.3#

130 2.6 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

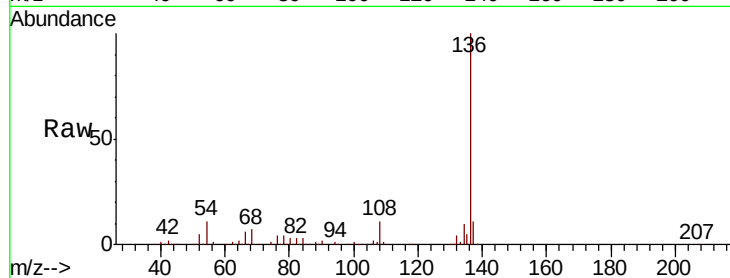




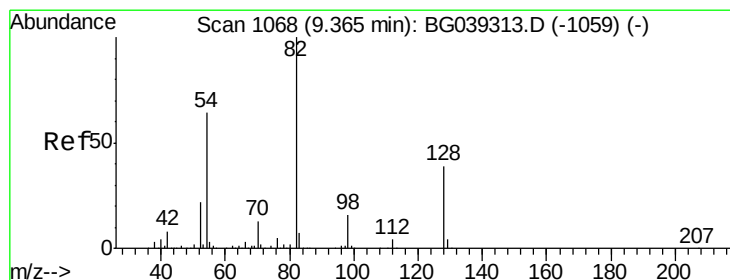
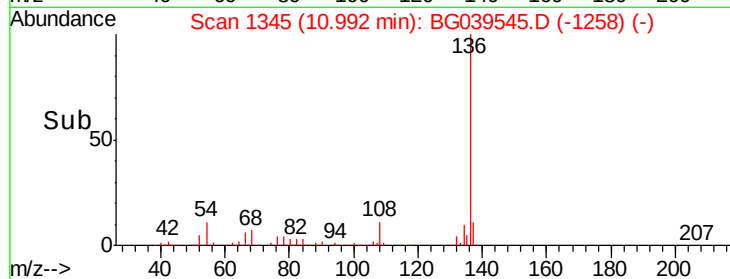
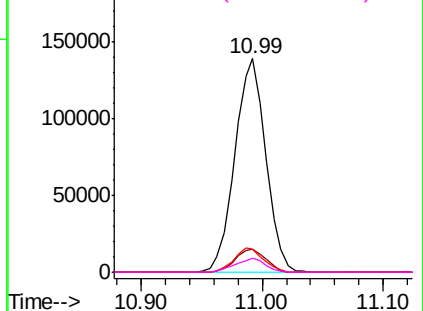
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039545.D
Acq: 18 Feb 2019 18:45

Instrument :
BNA_G
ClientSampleId :
M-3-S

Tgt Ion:	136	Resp:	246697
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	10.8	9.4	14.2
68	6.6	4.2	6.4#

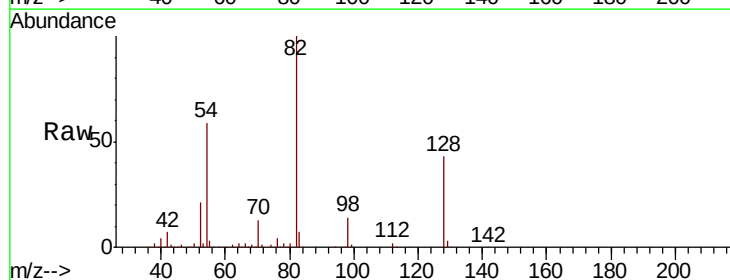


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

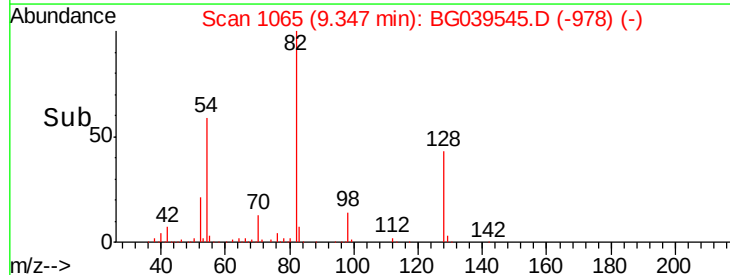
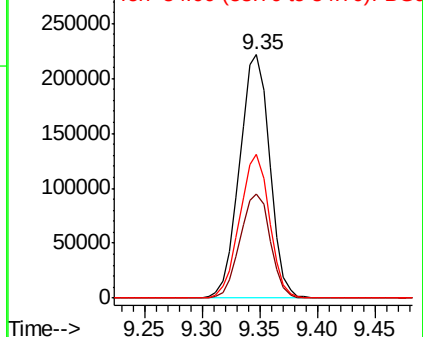


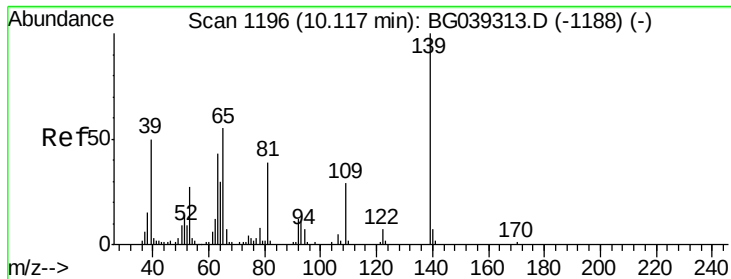
#23
Nitrobenzene-d5
Concen: 101.823 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039545.D
Acq: 18 Feb 2019 18:45

Tgt Ion:	82	Resp:	402094
Ion	Ratio	Lower	Upper
82	100		
128	42.8	31.3	46.9
54	59.1	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

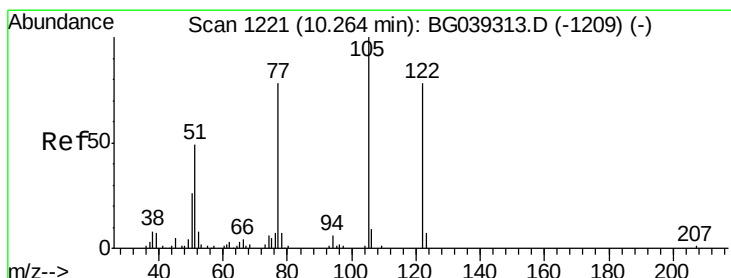
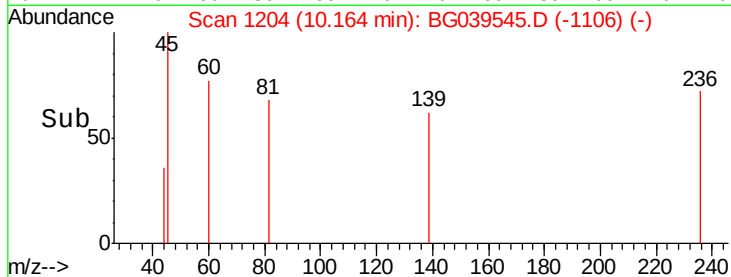
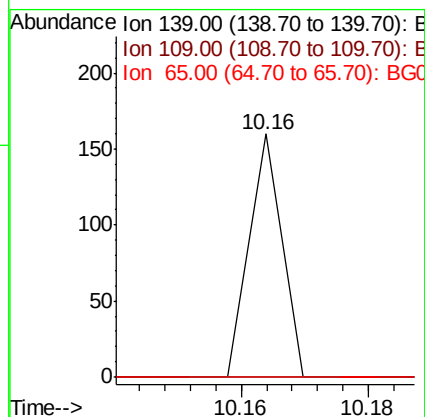
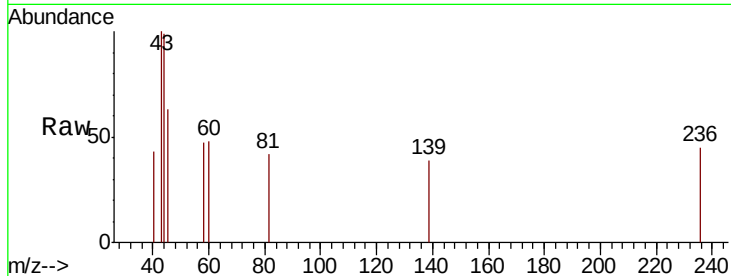




#26
 2-Nitrophenol
 Concen: 4.044 ng
 RT: 10.16 min Scan# 1204
 Delta R.T. 0.05 min
 Lab File: BG039545.D
 Acq: 18 Feb 2019 18:45

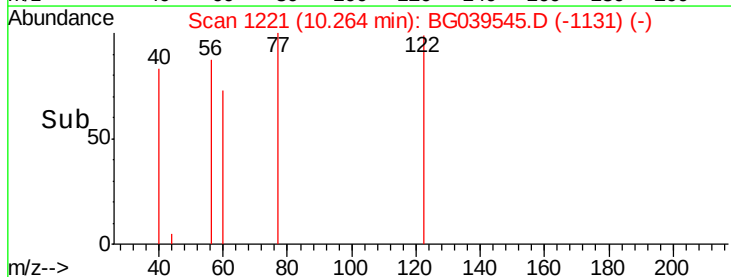
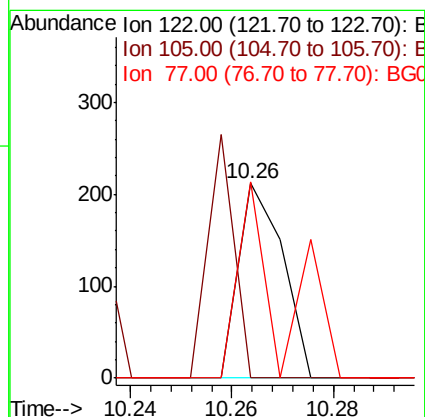
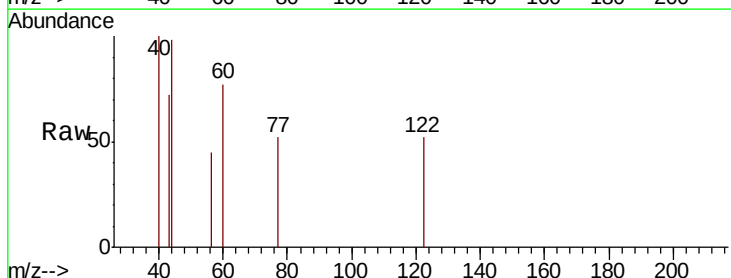
Instrument :
 BNA_G
 ClientSampleId :
 M-3-S

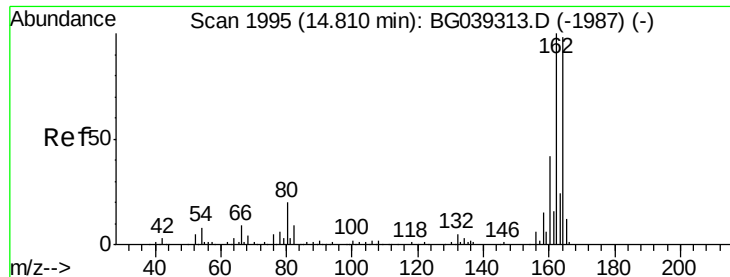
Tgt Ion:139 Resp: 56
 Ion Ratio Lower Upper
 139 100
 109 0.0 23.4 35.0#
 65 0.0 44.3 66.5#



#32
 Benzoic acid
 Concen: 9.066 ng
 RT: 10.26 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: BG039545.D
 Acq: 18 Feb 2019 18:45

Tgt Ion:122 Resp: 128
 Ion Ratio Lower Upper
 122 100
 105 0.0 101.8 141.8#
 77 100.9 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: BG039545.D

Acq: 18 Feb 2019 18:45

Instrument :

BNA_G

ClientSampleId :

M-3-S

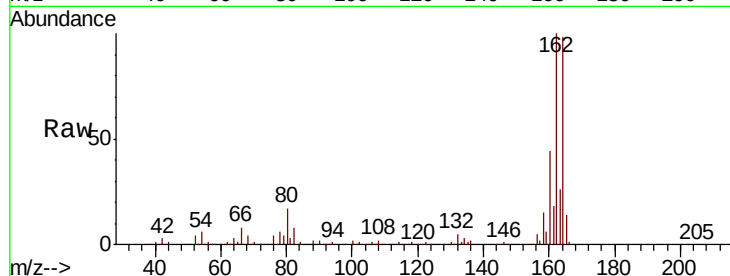
Tgt Ion:164 Resp: 166782

Ion Ratio Lower Upper

164 100

162 101.9 81.6 122.4

160 44.7 34.2 51.2

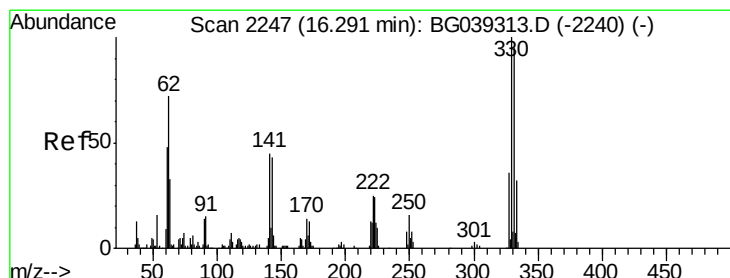
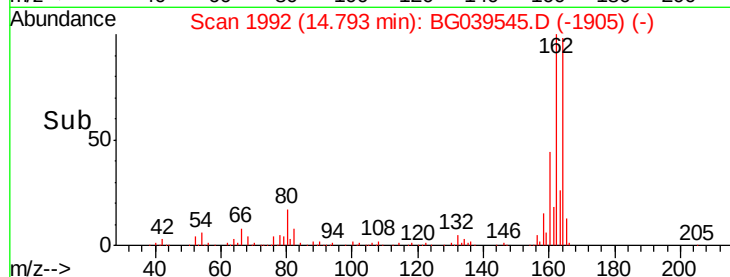
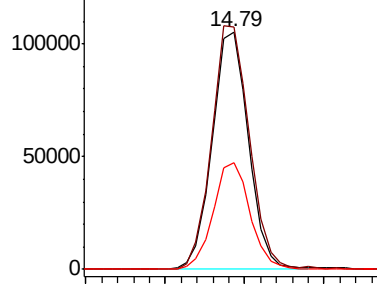


Abundance

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: 136.444 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039545.D

Acq: 18 Feb 2019 18:45

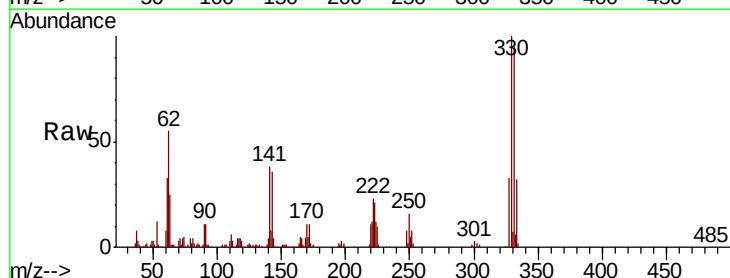
Tgt Ion:330 Resp: 245048

Ion Ratio Lower Upper

330 100

332 96.7 75.7 113.5

141 41.2 35.6 53.4

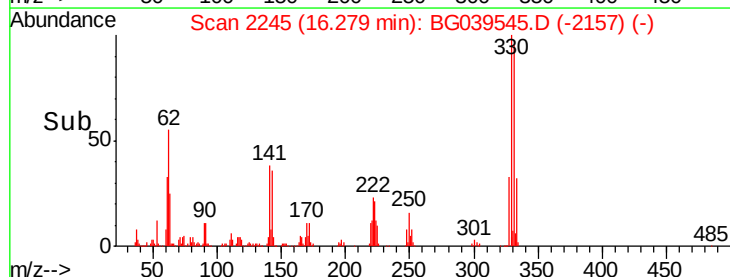
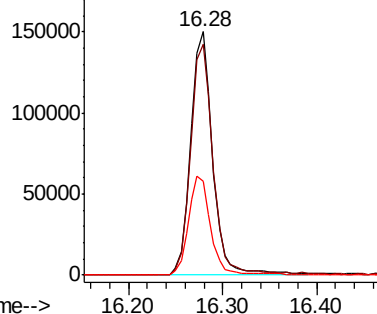


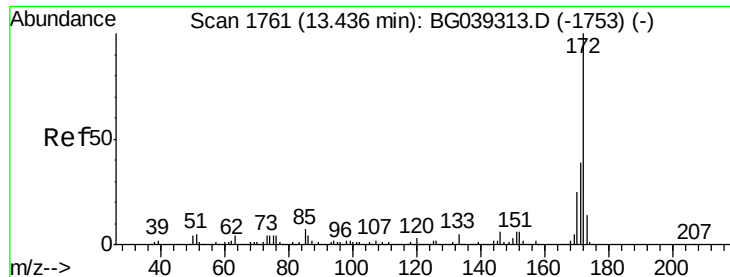
Abundance

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

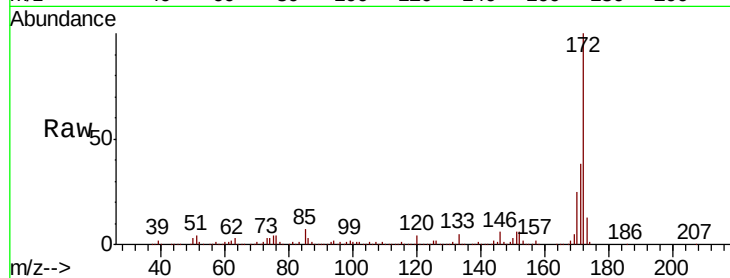




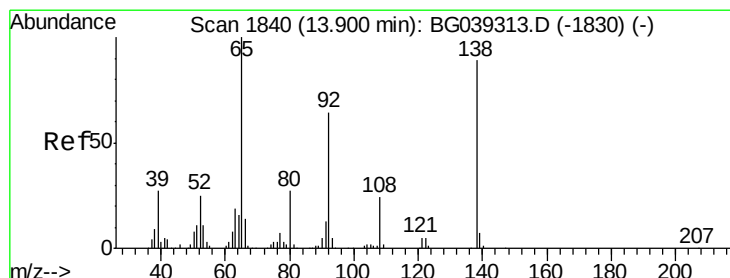
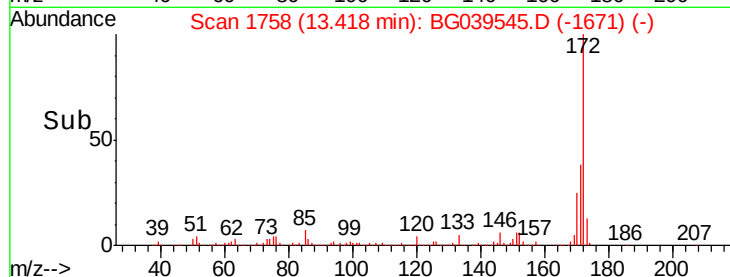
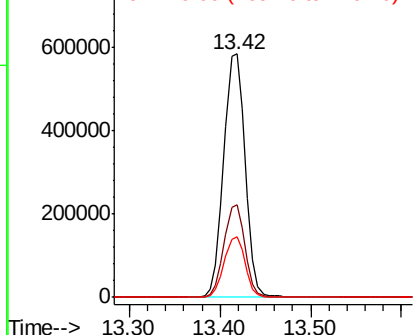
#45
2-Fluorobiphenyl
Concen: 82.836 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039545.D
Acq: 18 Feb 2019 18:45

Instrument :
BNA_G
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M-3-S

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.8	46.2
170	25.0	20.2	30.4

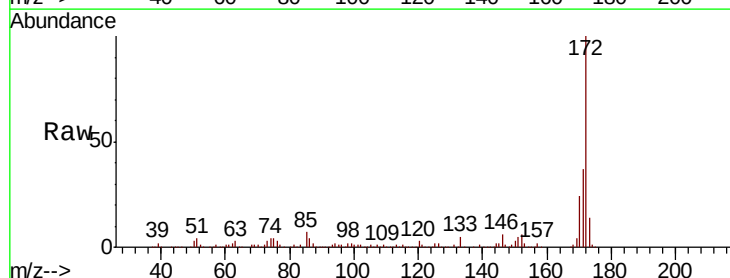


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

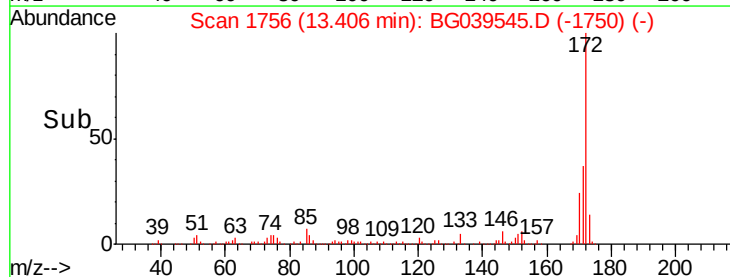
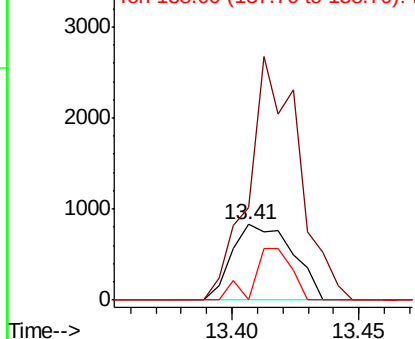


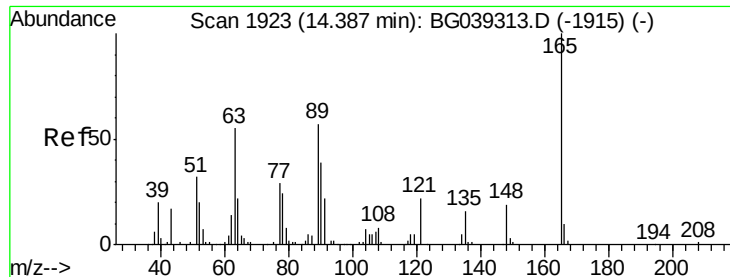
#48
2-Nitroaniline
Concen: 8.677 ng
RT: 13.41 min Scan# 1756
Delta R.T. -0.49 min
Lab File: BG039545.D
Acq: 18 Feb 2019 18:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	122.6	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

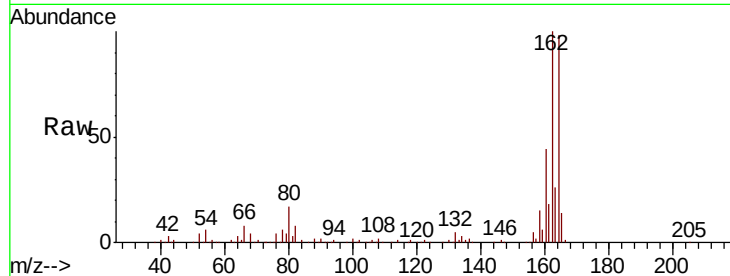




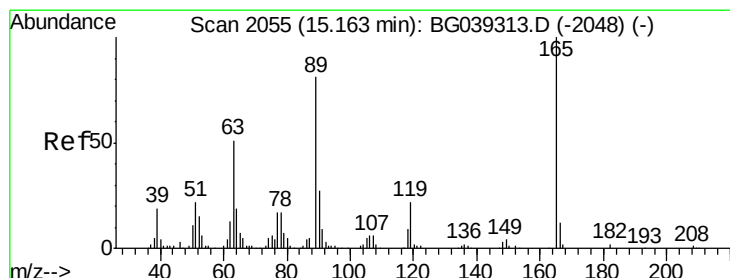
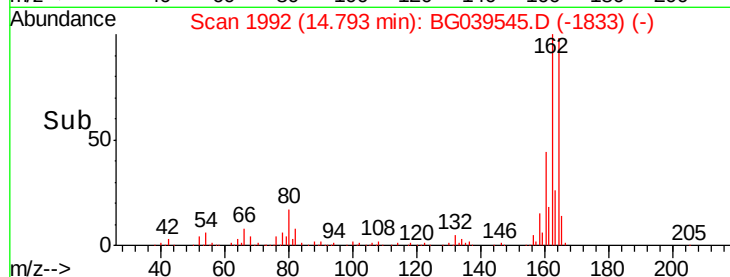
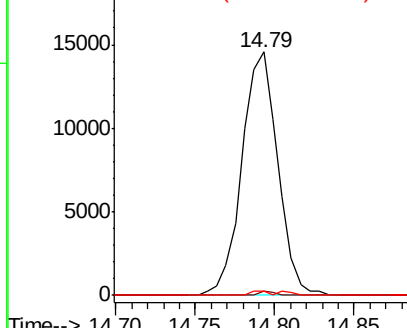
#51
 2,6-Dinitrotoluene
 Concen: 14.391 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.41 min
 Lab File: BG039545.D
 Acq: 18 Feb 2019 18:45

Instrument :
 BNA_G
 ClientSampleId :
 M-3-S

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.0	70.6#
89	2.0	45.8	68.8#

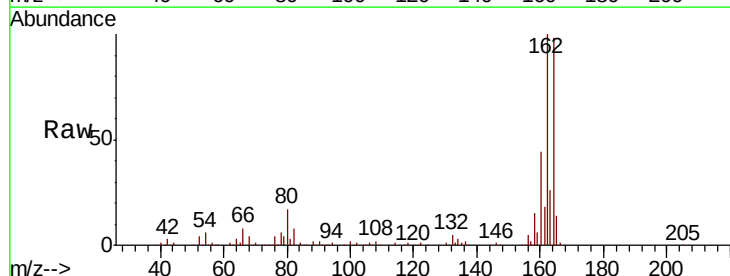


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

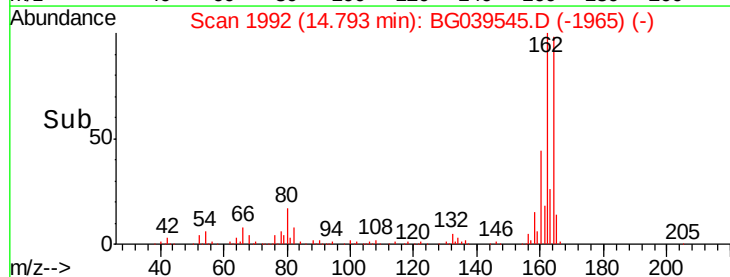
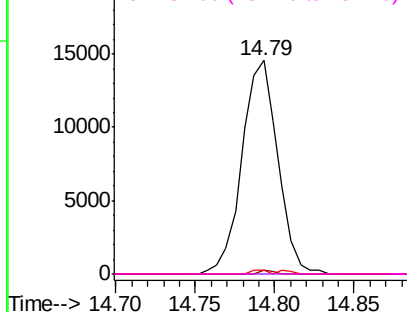


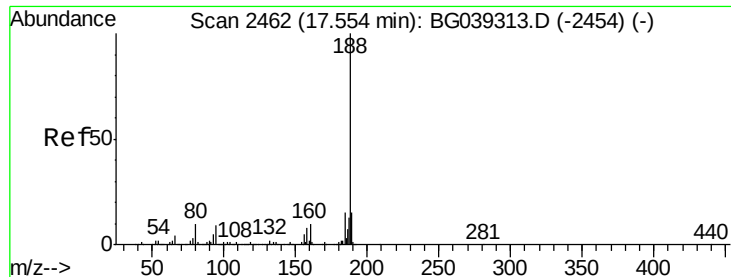
#57
 2,4-Dinitrotoluene
 Concen: 13.753 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039545.D
 Acq: 18 Feb 2019 18:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.6#
89	2.0	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# 2459

Delta R.T. -0.02 min

Lab File: BG039545.D

Acq: 18 Feb 2019 18:45

Instrument :

BNA_G

ClientSampleId :

M-3-S

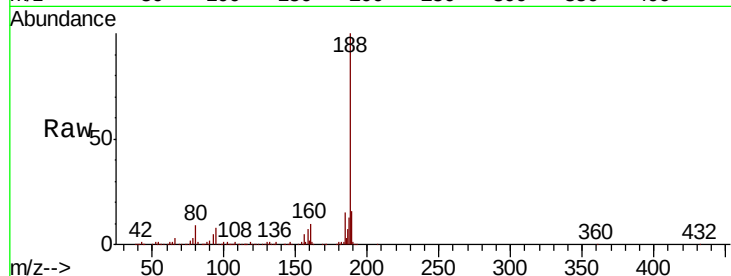
Tgt Ion:188 Resp: 425403

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

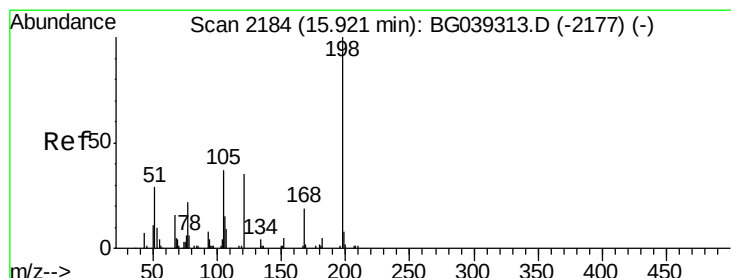
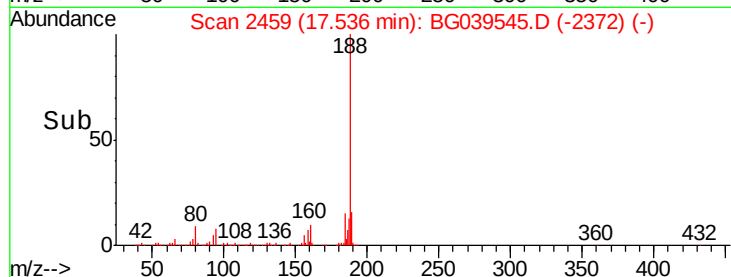
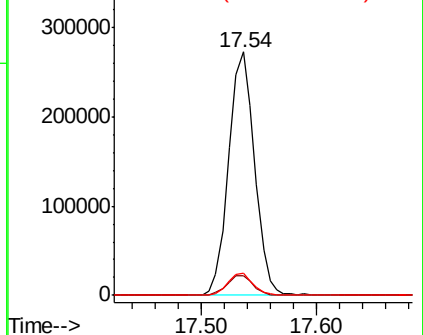
80 9.0 8.1 12.1



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: 4.935 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039545.D

Acq: 18 Feb 2019 18:45

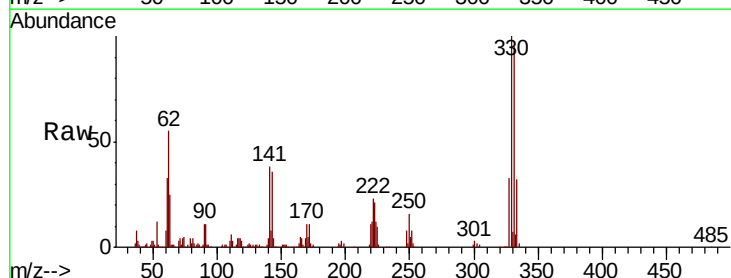
Tgt Ion:198 Resp: 1009

Ion Ratio Lower Upper

198 100

51 126.3 27.4 67.4#

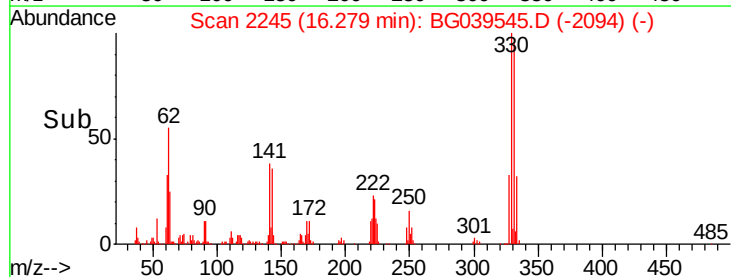
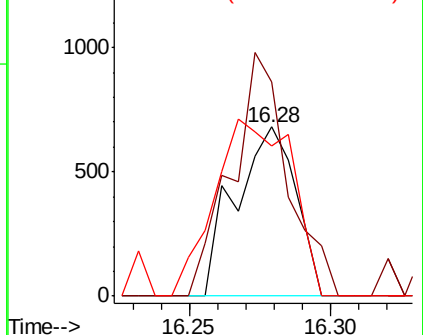
105 88.5 19.7 59.7#

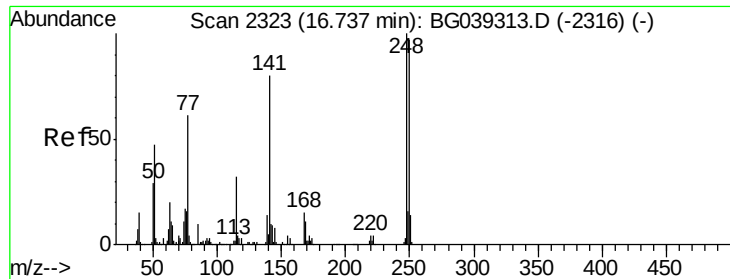


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

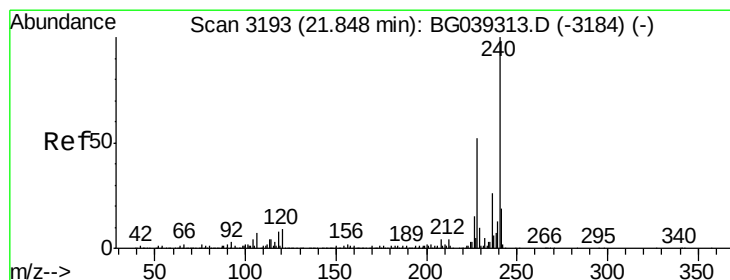
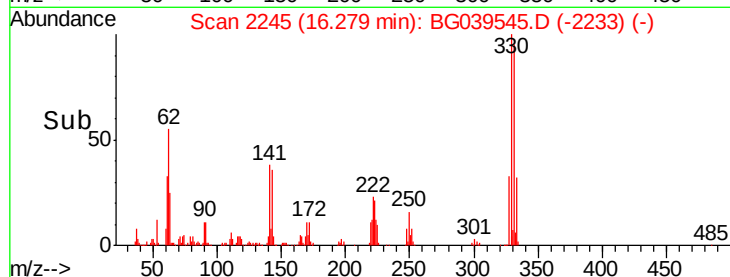
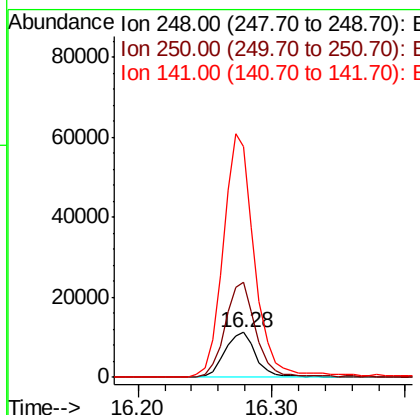
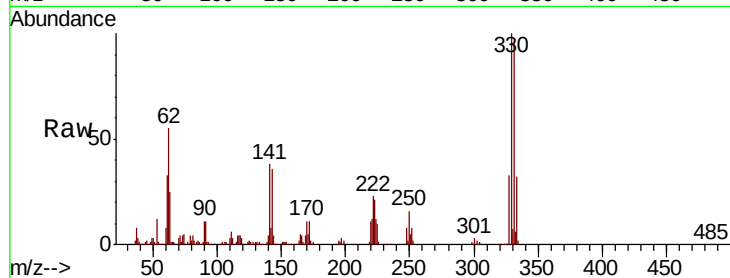




#67
 4-Bromophenyl-phenylether
 Concen: 3.934 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039545.D
 Acq: 18 Feb 2019 18:45

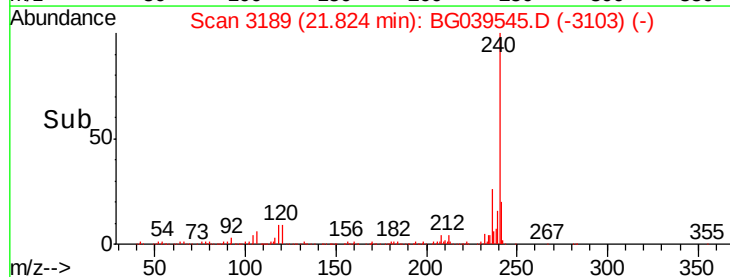
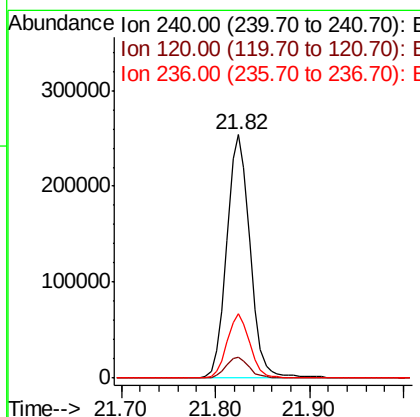
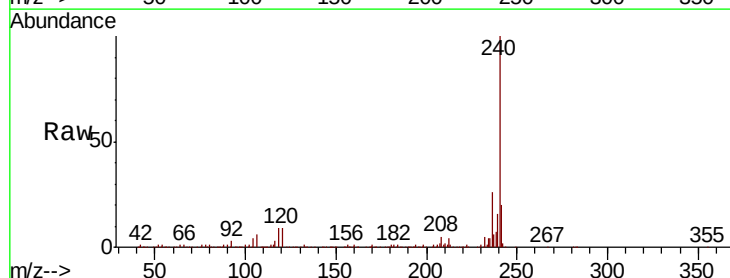
Instrument :
 BNA_G
 ClientSampleId :
 M-3-S

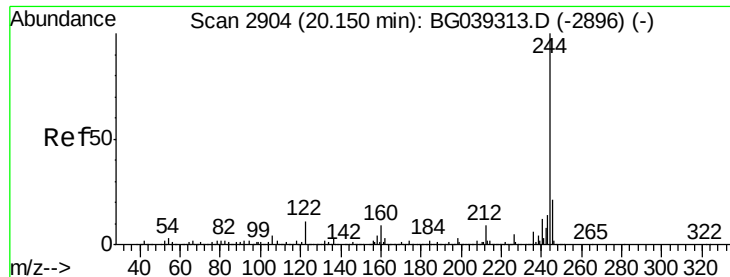
Tgt Ion:248 Resp: 18566
 Ion Ratio Lower Upper
 248 100
 250 211.7 77.6 116.4#
 141 510.3 63.9 95.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039545.D
 Acq: 18 Feb 2019 18:45

Tgt Ion:240 Resp: 436382
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 26.3 21.0 31.4





#79

Terphenyl-d14

Concen: 78.874 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039545.D

Acq: 18 Feb 2019 18:45

Instrument :

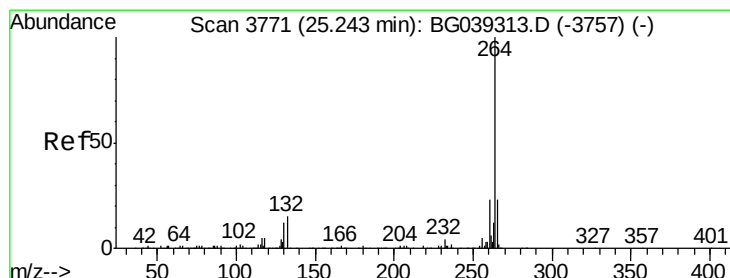
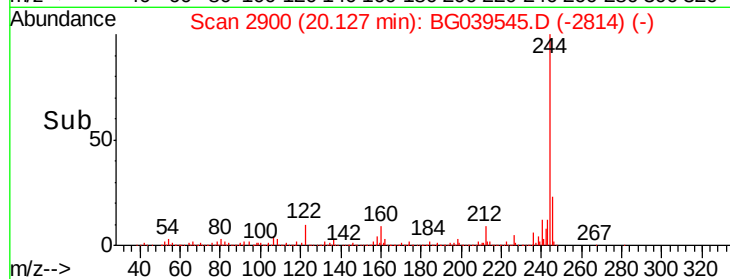
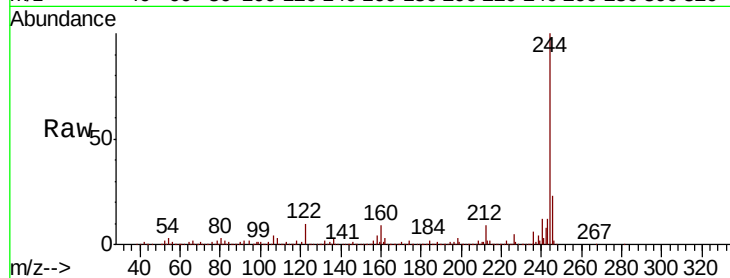
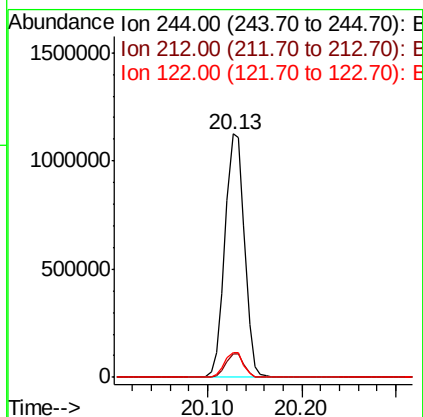
BNA_G

ClientSampleId :

M-3-S

Tgt Ion:244 Resp: 1626080

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.3	10.9
122	10.4	8.4	12.6



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.21 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039545.D

Acq: 18 Feb 2019 18:45

Tgt Ion:264 Resp: 411966

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	20.8	18.5	27.7

