

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039496.D
 Acq On : 13 Feb 2019 19:57
 Operator : JU/SJ
 Sample : K1343-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-D

Quant Time: Feb 14 02:48:53 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	46642	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	204889	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	152997	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	381212	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	404605	20.00	ng	-0.02
87) Perylene-d12	25.21	264	392671	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	405207	148.69	ng	0.00
7) Phenol-d6	7.31	99	533544	133.01	ng	0.00
23) Nitrobenzene-d5	9.34	82	392887	119.79	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	240966	146.26	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	982142	92.09	ng	-0.01
79) Terphenyl-d14	20.13	244	1677459	87.76	ng	-0.02

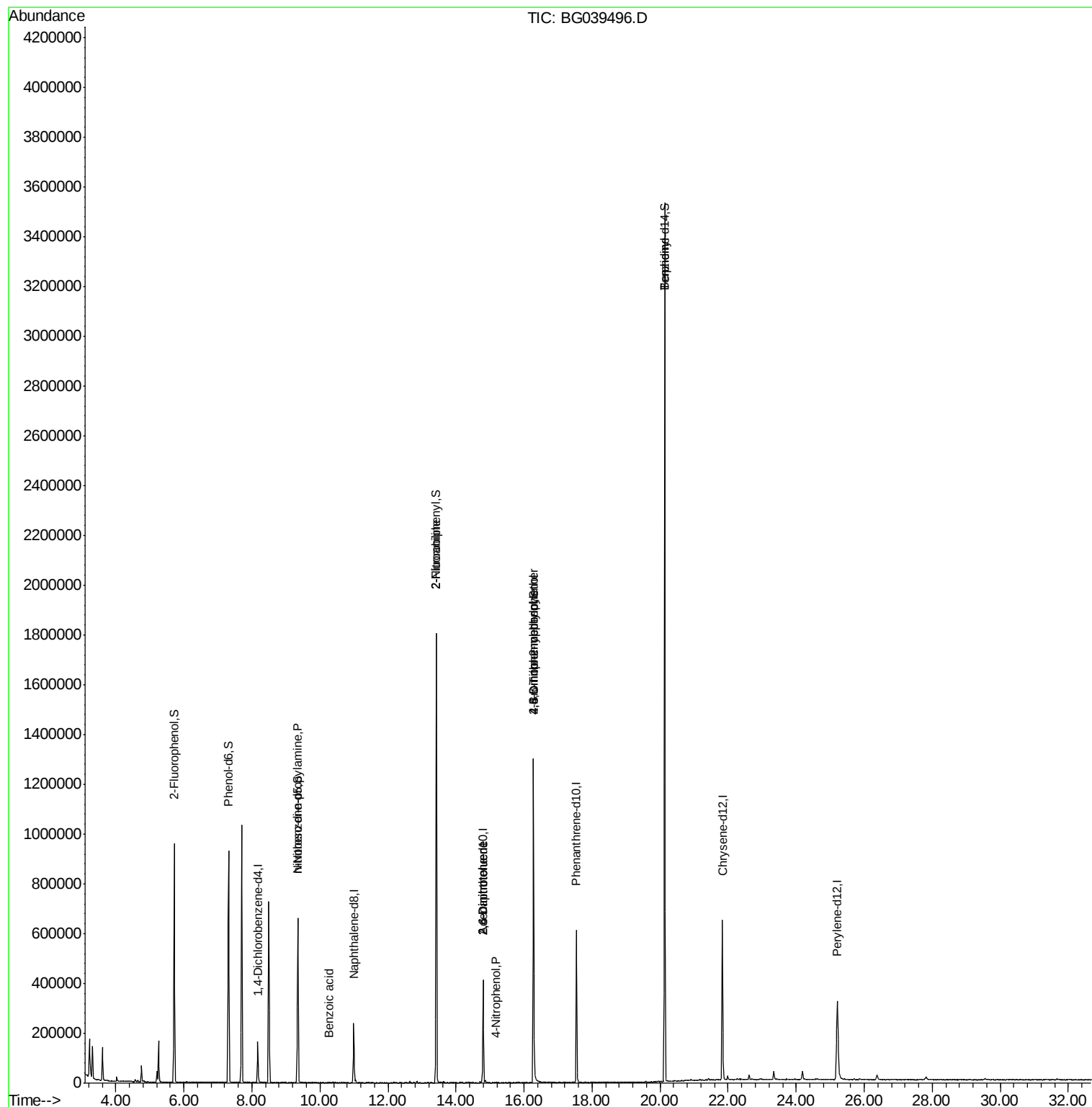
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1036	Below Cal		# 38
19) n-Nitroso-di-n-propylamine	9.34	70	51187	17.978	ng	# 67
32) Benzoic acid	10.25	122	57	9.045	ng	# 1
48) 2-Nitroaniline	13.42	65	1884	8.863	ng	# 3
51) 2,6-Dinitrotoluene	14.80	165	19781	13.954	ng	# 24
56) 4-Nitrophenol	15.18	139	531	6.014	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	19781	13.422	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	981	5.000	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	18812	4.448	ng	# 1
77) Benzidine	20.13	184	29912	2.255	ng	# 92

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

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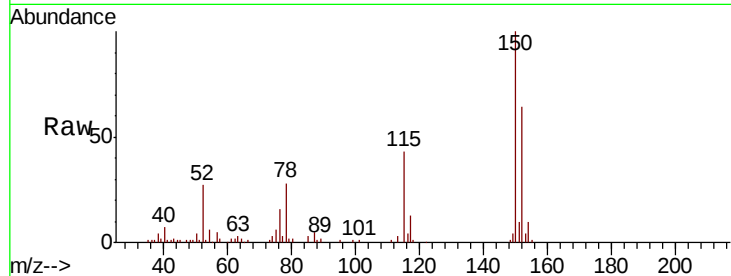


#1

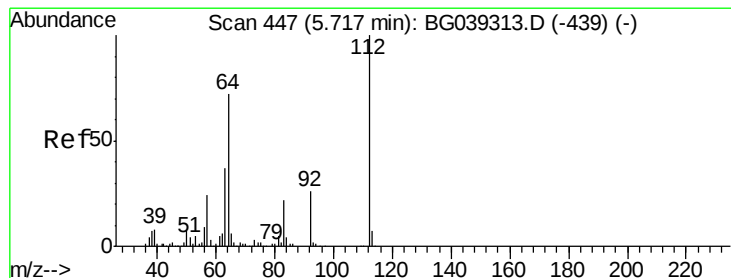
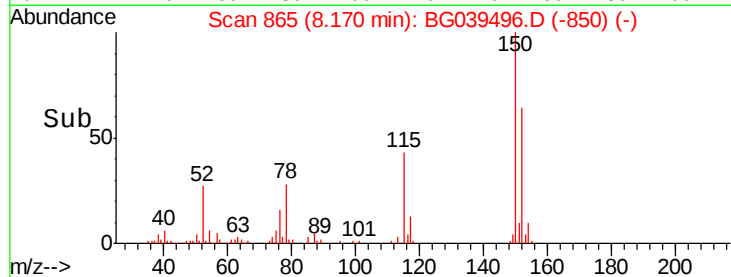
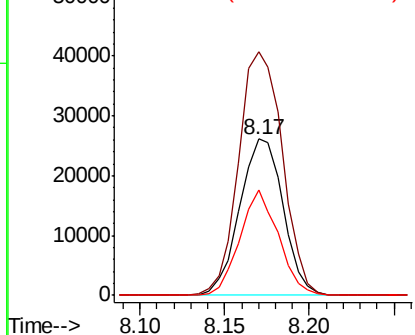
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: BG039496.D
 Acq: 13 Feb 2019 19:57

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-D

Tgt Ion:152 Resp: 46642
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.7 185.5
 115 67.3 45.9 68.9



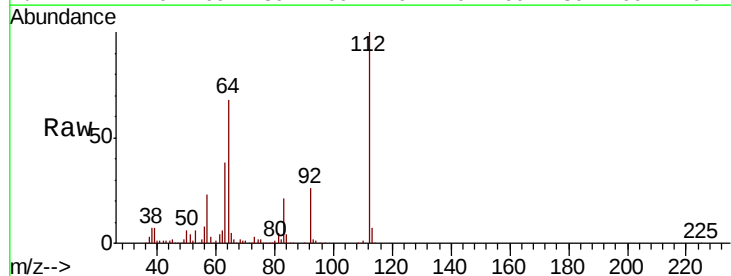
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



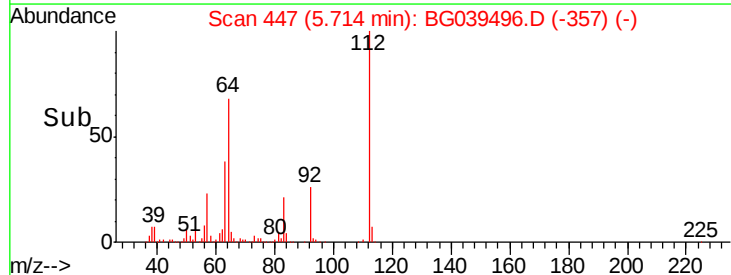
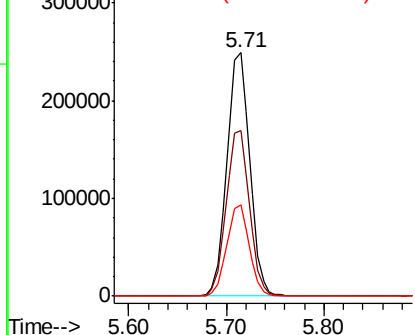
#5

2-Fluorophenol
 Concen: 148.689 ng
 RT: 5.71 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039496.D
 Acq: 13 Feb 2019 19:57

Tgt Ion:112 Resp: 405207
 Ion Ratio Lower Upper
 112 100
 64 68.0 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): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 133.006 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-D

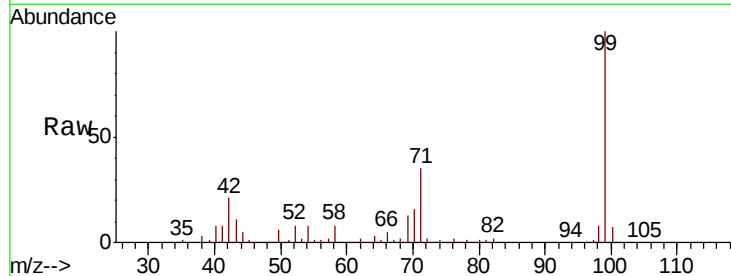
Tgt Ion: 99 Resp: 533544

Ion Ratio Lower Upper

99 100

42 21.5 18.2 27.2

71 34.8 28.0 42.0

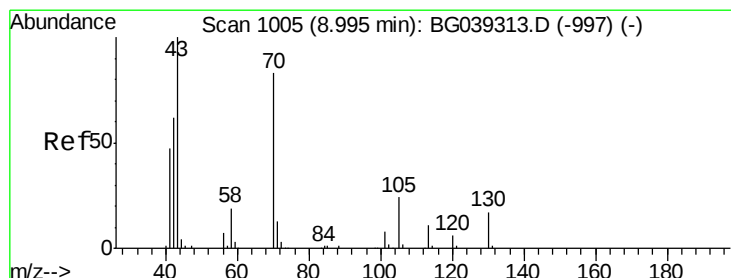
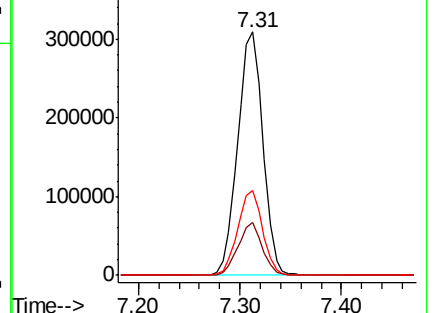
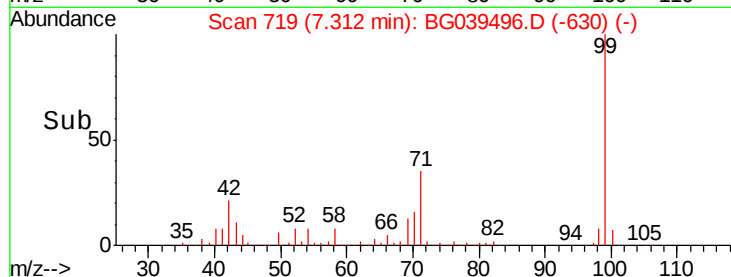


Abundance

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: 17.978 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

Tgt Ion: 70 Resp: 51187

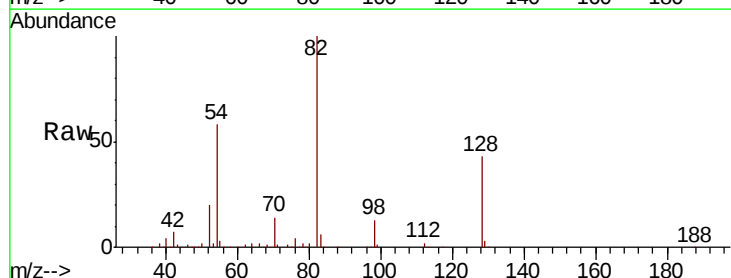
Ion Ratio Lower Upper

70 100

42 48.0 60.4 90.6#

101 0.0 7.5 11.3#

130 2.7 16.9 25.3#



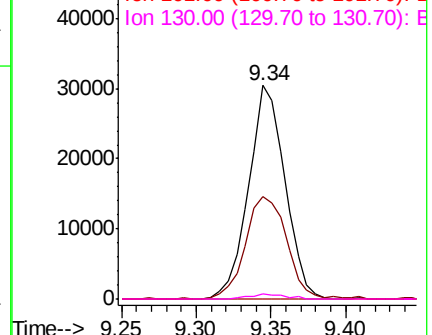
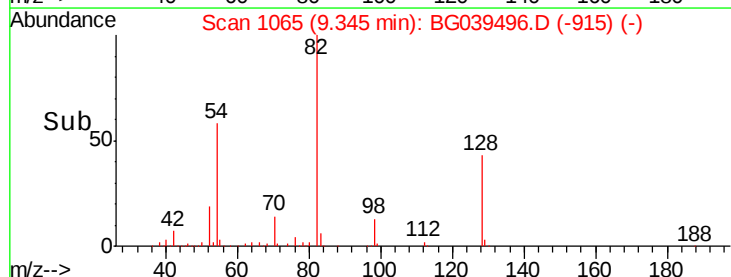
Abundance

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

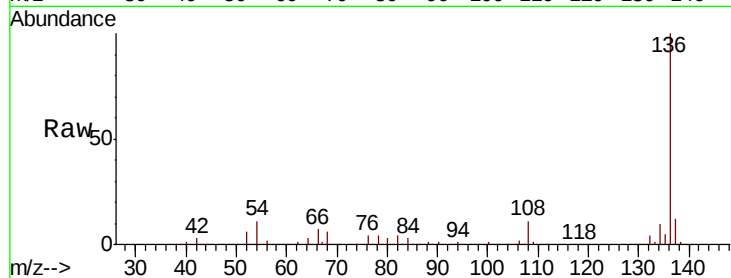




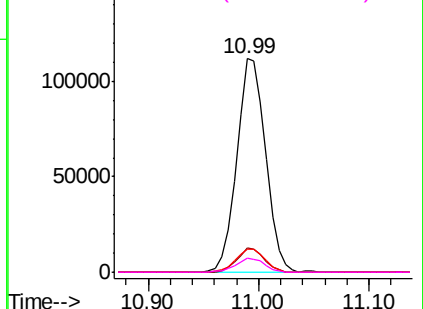
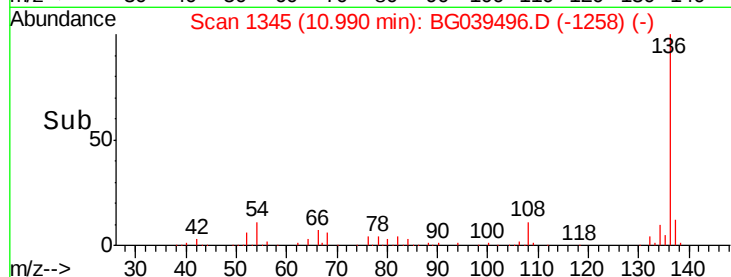
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039496.D
Acq: 13 Feb 2019 19:57

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-D

Tgt Ion:	136	Resp:	204889
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.6	9.4	14.2
68	6.4	4.2	6.4#

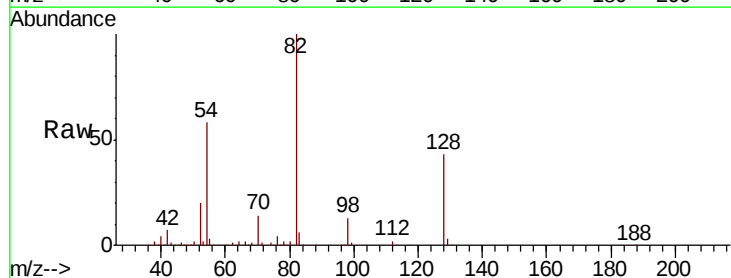


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

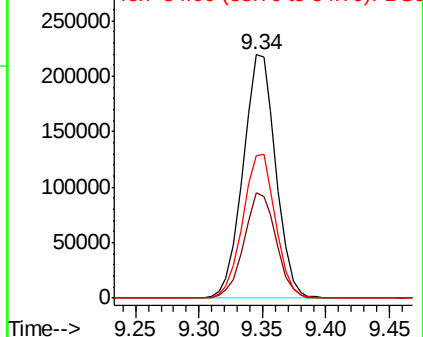
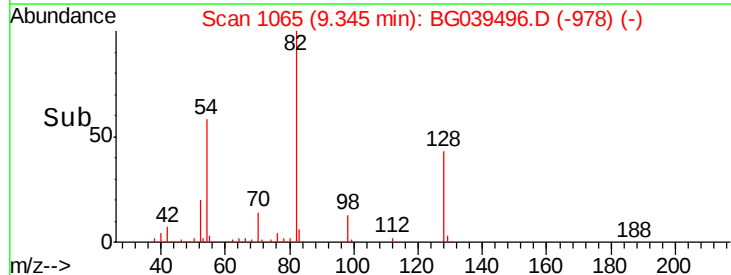


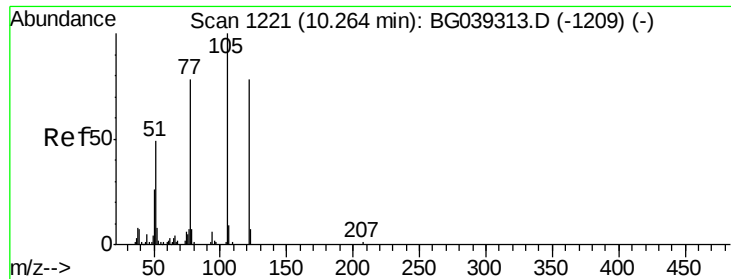
#23
Nitrobenzene-d5
Concen: 119.793 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039496.D
Acq: 13 Feb 2019 19:57

Tgt Ion:	82	Resp:	392887
Ion	Ratio	Lower	Upper
82	100		
128	43.1	31.3	46.9
54	58.3	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: 9.045 ng

RT: 10.25 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-D

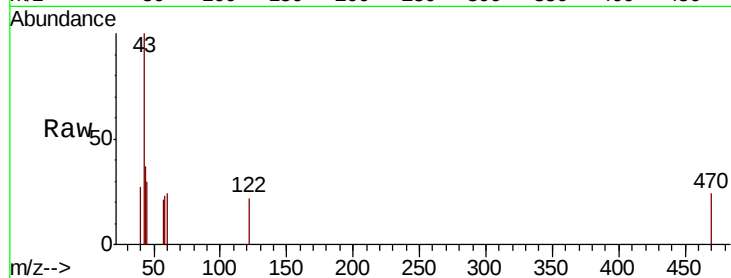
Tgt Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

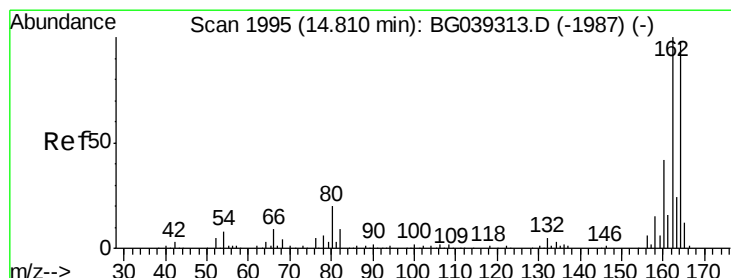
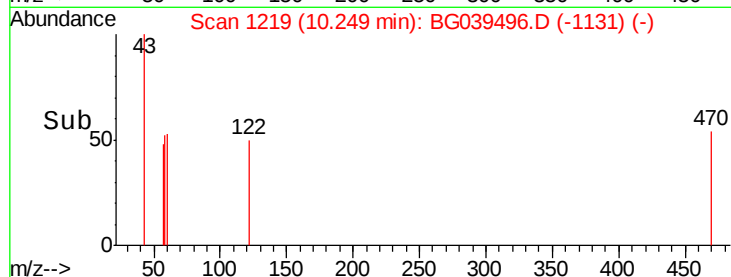
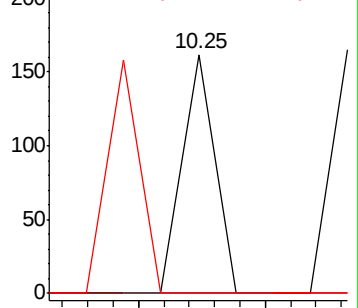
77 0.0 76.3 116.3#



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: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

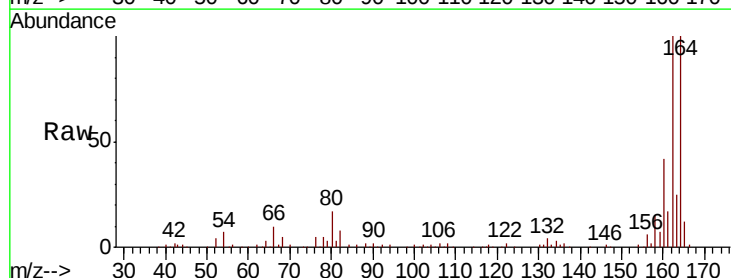
Tgt Ion:164 Resp: 152997

Ion Ratio Lower Upper

164 100

162 100.2 81.6 122.4

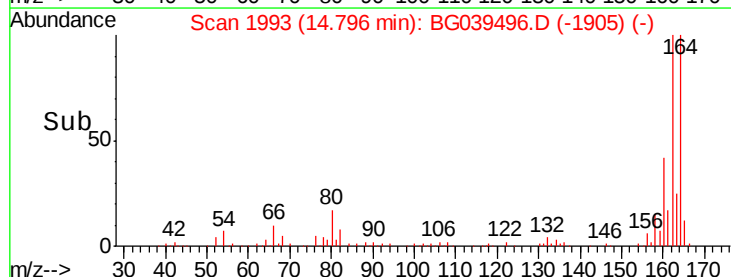
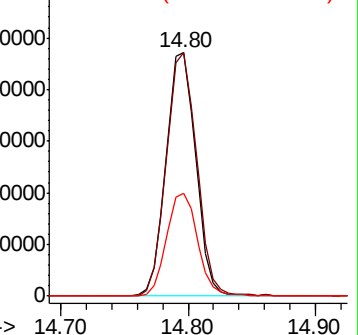
160 42.4 34.2 51.2

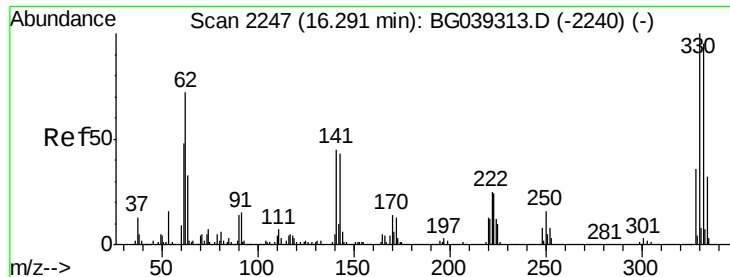


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

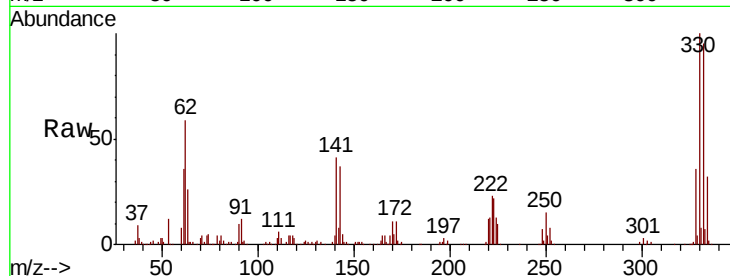




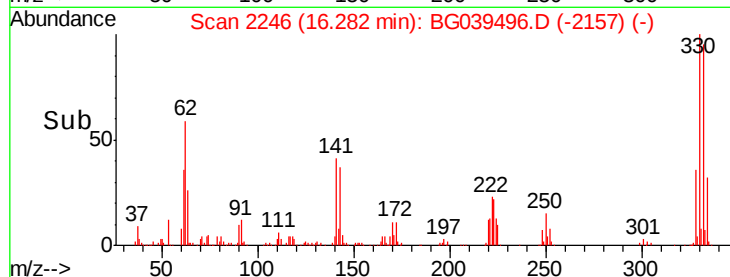
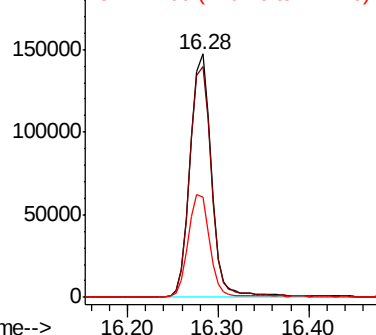
#42
 2,4,6-Tribromophenol
 Concen: 146.260 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039496.D
 Acq: 13 Feb 2019 19:57

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	75.7	113.5
141	42.8	35.6	53.4

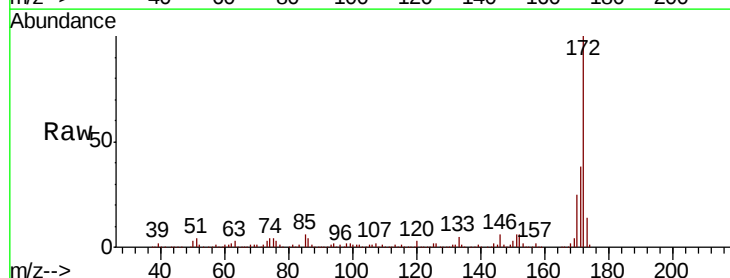


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

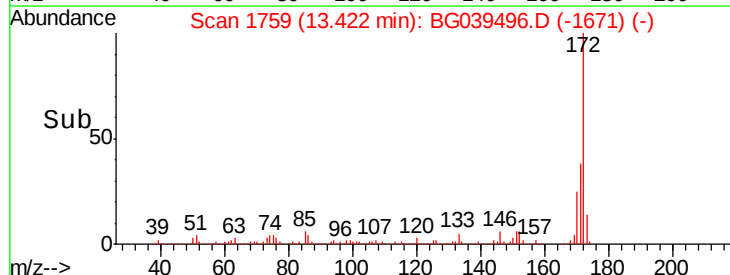
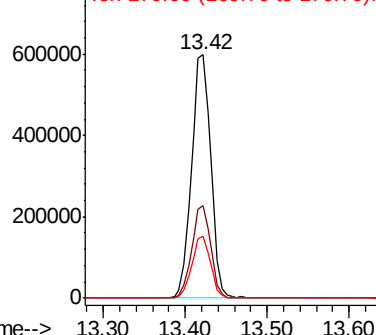


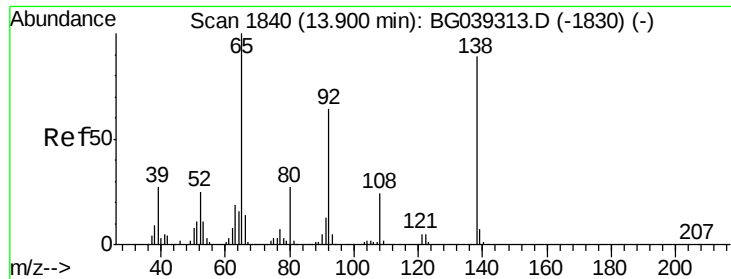
#45
 2-Fluorobiphenyl
 Concen: 92.089 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039496.D
 Acq: 13 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.8	46.2
170	25.2	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

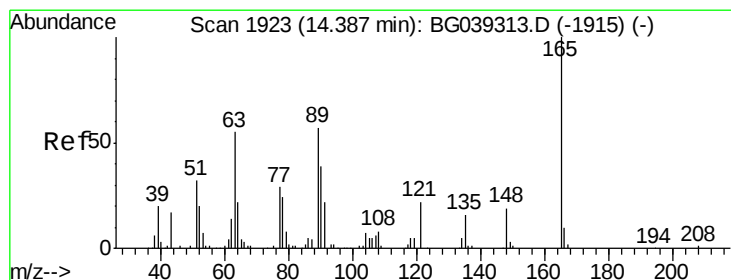
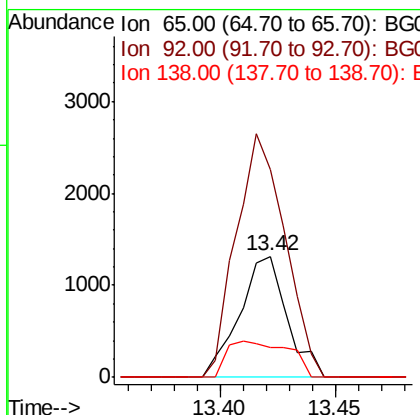
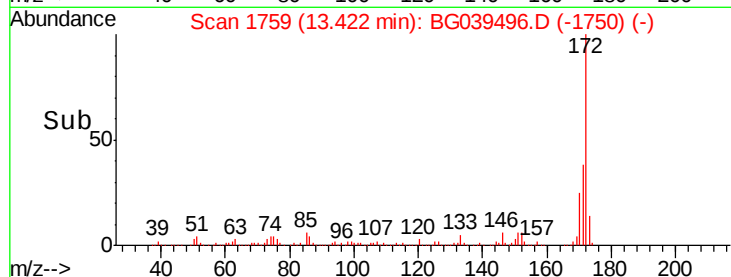
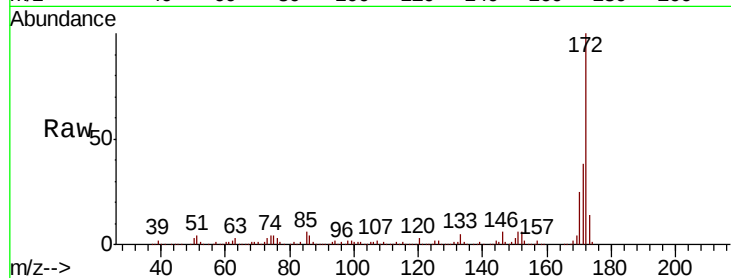




#48
2-Nitroaniline
Concen: 8.863 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.48 min
Lab File: BG039496.D
Acq: 13 Feb 2019 19:57

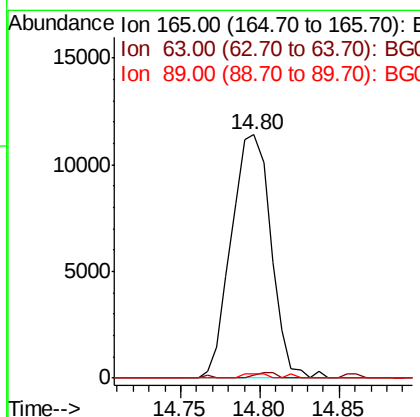
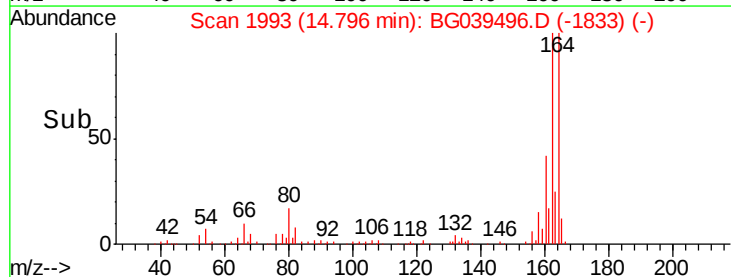
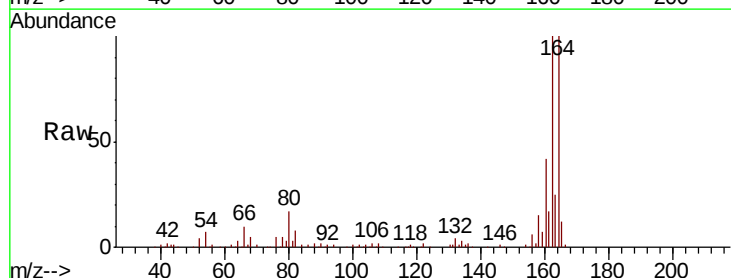
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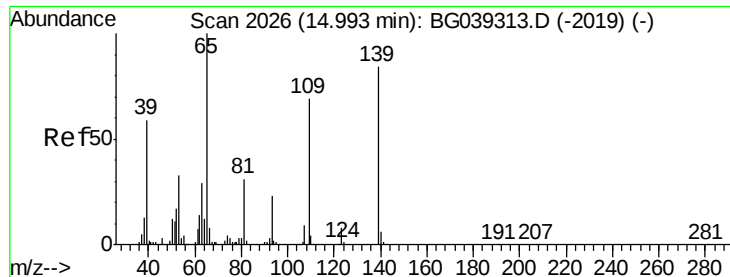
Tgt Ion: 65 Resp: 1884
Ion Ratio Lower Upper
65 100
92 171.7 51.4 77.2#
138 25.0 71.4 107.2#



#51
2,6-Dinitrotoluene
Concen: 13.954 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.41 min
Lab File: BG039496.D
Acq: 13 Feb 2019 19:57

Tgt Ion: 165 Resp: 19781
Ion Ratio Lower Upper
165 100
63 1.4 47.0 70.6#
89 2.0 45.8 68.8#





#56

4-Nitrophenol

Concen: 6.014 ng

RT: 15.18 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-D

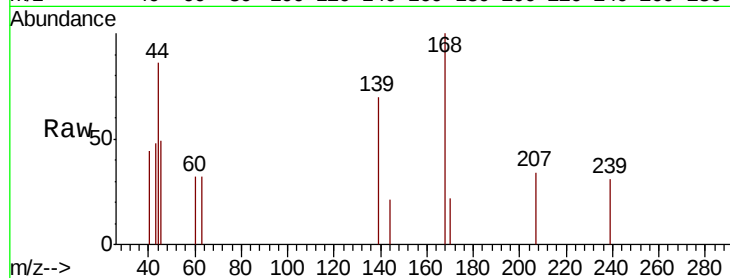
Tgt Ion:139 Resp: 531

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

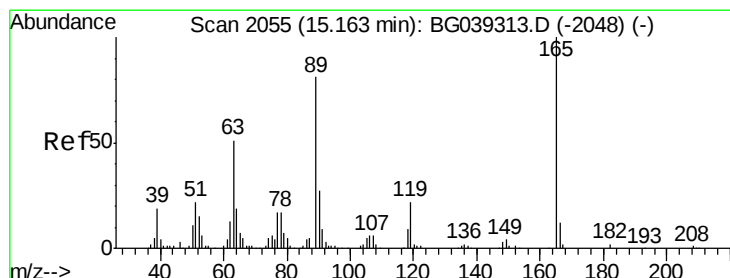
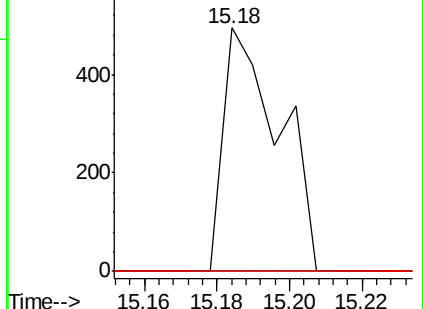
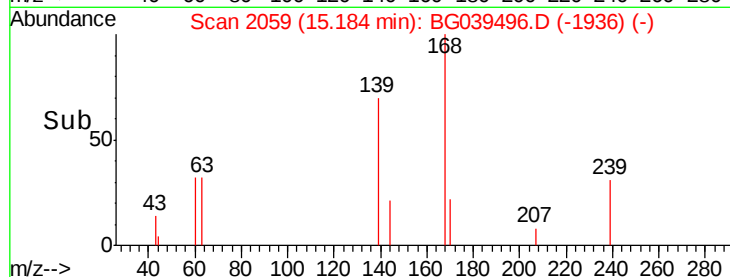
65 0.0 99.1 139.1#



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): BGC



#57

2,4-Dinitrotoluene

Concen: 13.422 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

Tgt Ion:165 Resp: 19781

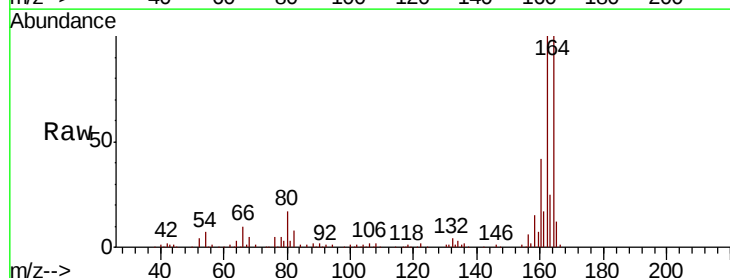
Ion Ratio Lower Upper

165 100

63 1.4 41.0 61.6#

89 2.0 64.6 96.8#

182 0.0 2.0 3.0#

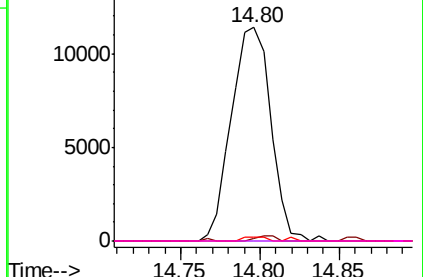
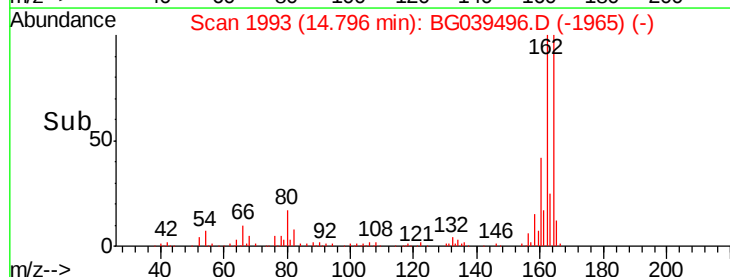


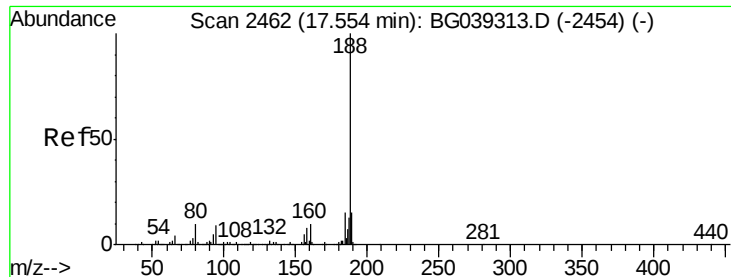
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2460

Delta R.T. -0.01 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-D

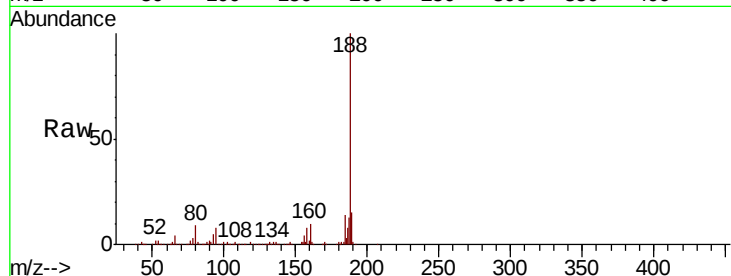
Tgt Ion:188 Resp: 381212

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

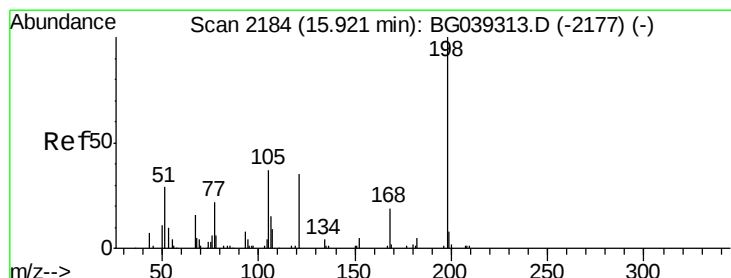
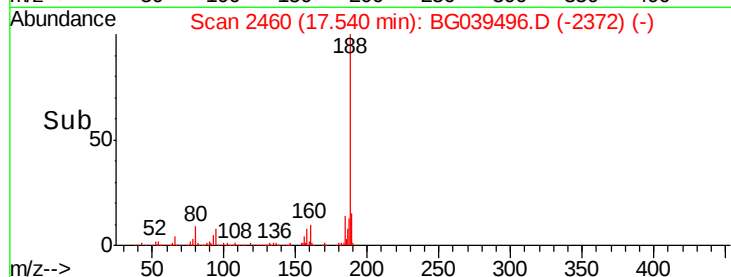
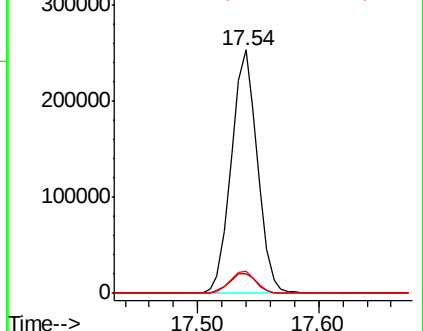
80 8.9 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 5.000 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

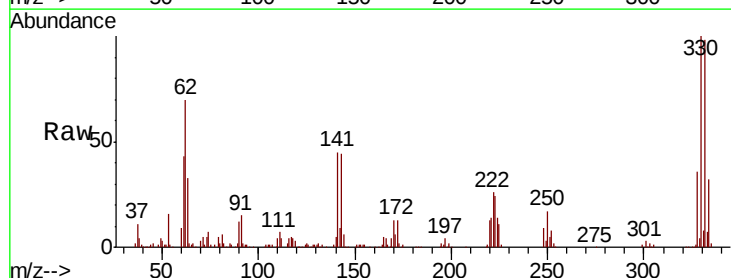
Tgt Ion:198 Resp: 981

Ion Ratio Lower Upper

198 100

51 128.3 27.4 67.4#

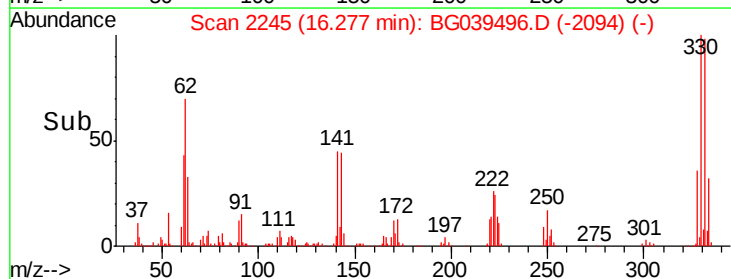
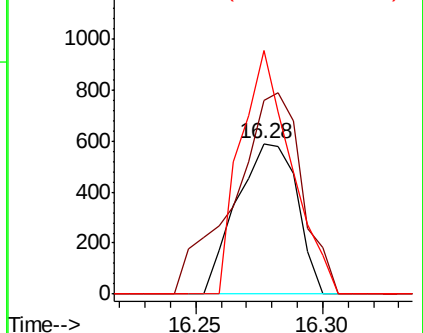
105 161.8 19.7 59.7#

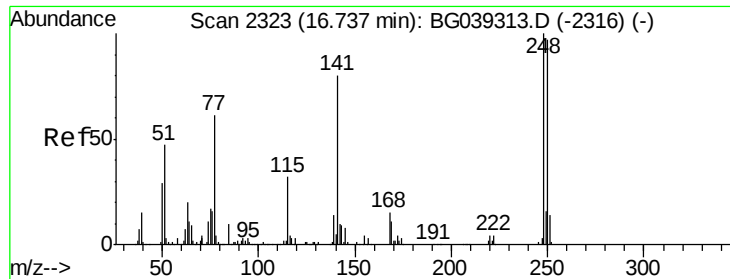


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

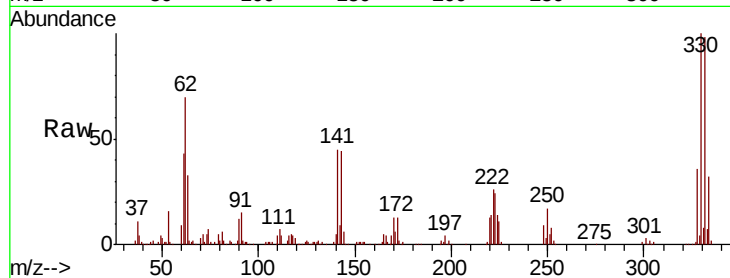




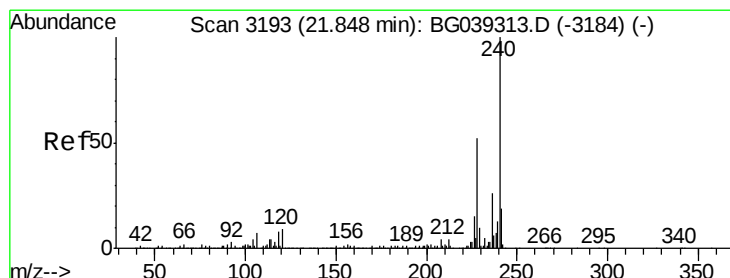
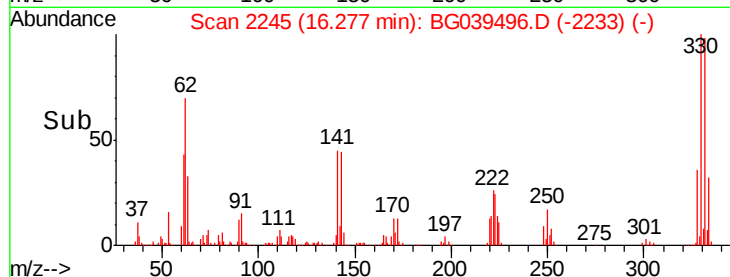
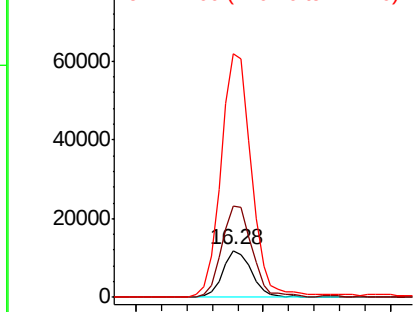
#67
4-Bromophenyl-phenylether
Concen: 4.448 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039496.D
Acq: 13 Feb 2019 19:57

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-D

Tgt Ion:248 Resp: 18812
Ion Ratio Lower Upper
248 100
250 194.5 77.6 116.4#
141 520.3 63.9 95.9#

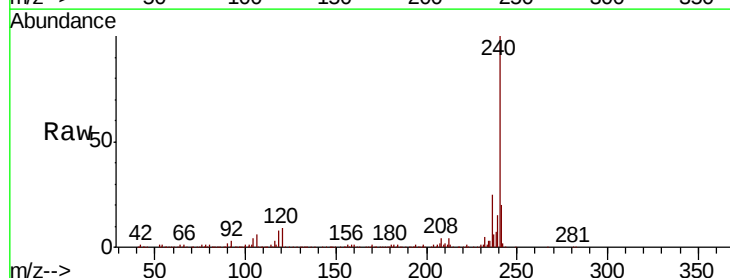


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

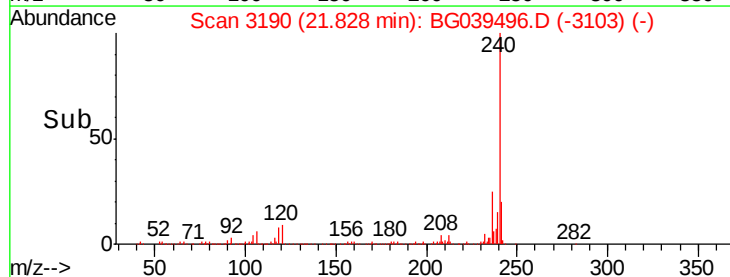
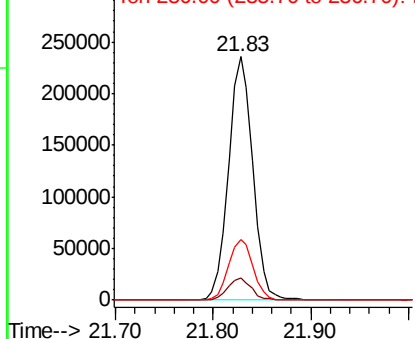


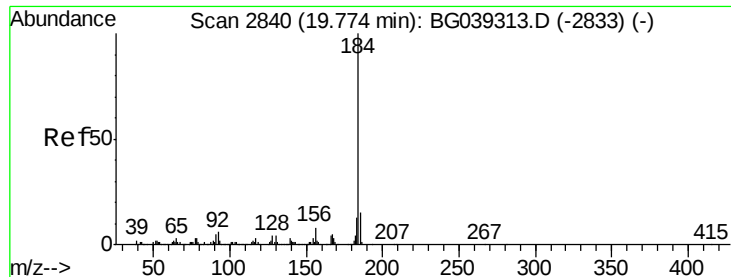
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039496.D
Acq: 13 Feb 2019 19:57

Tgt Ion:240 Resp: 404605
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 25.0 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





#77

Benzidine

Concen: 2.255 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-D

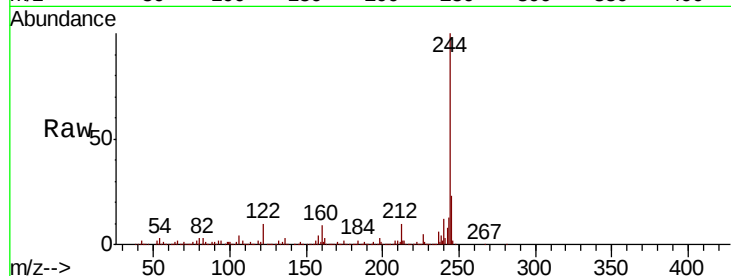
Tgt Ion:184 Resp: 29912

Ion Ratio Lower Upper

184 100

185 16.9 12.2 18.2

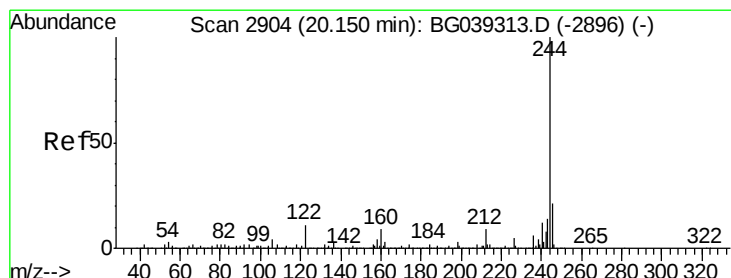
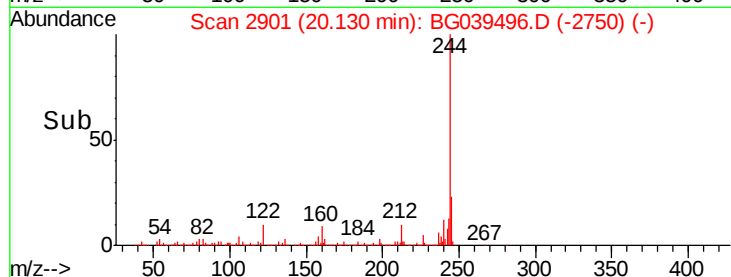
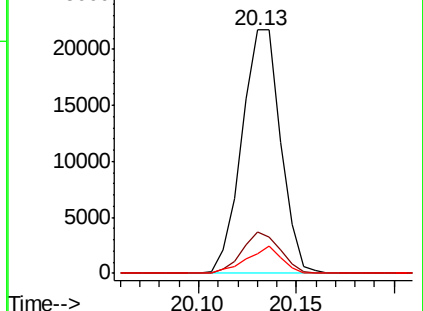
183 8.3 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 87.756 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039496.D

Acq: 13 Feb 2019 19:57

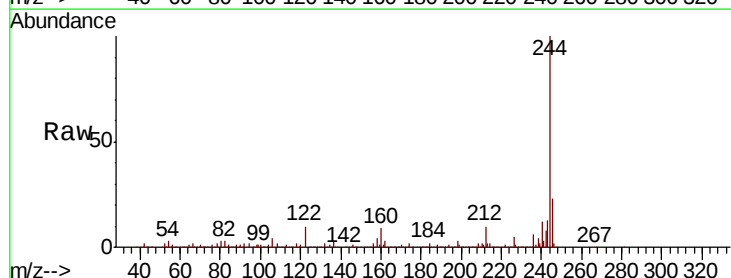
Tgt Ion:244 Resp: 1677459

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

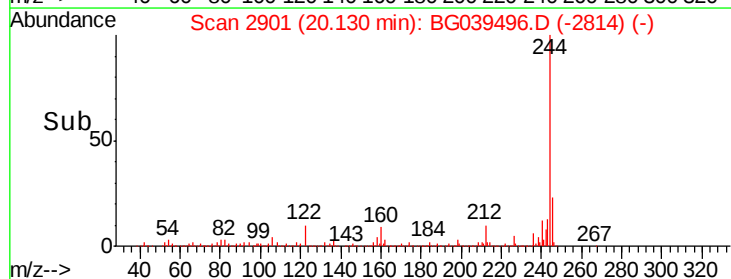
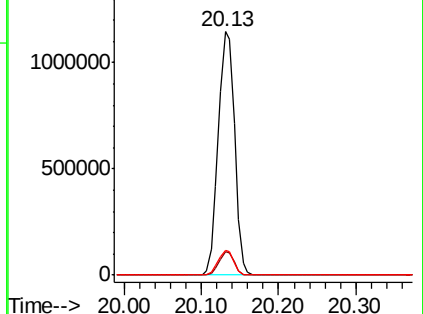
122 10.2 8.4 12.6

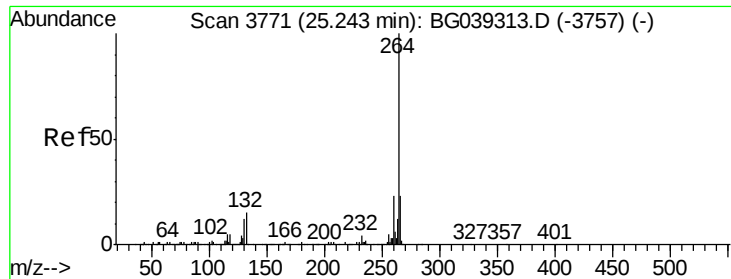


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039496.D
Acq: 13 Feb 2019 19:57

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-D

Tgt Ion:	264	Resp:	392671
Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.2	27.4
265	22.0	18.5	27.7

