

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039485.D
 Acq On : 13 Feb 2019 5:10
 Operator : JU/SJ
 Sample : K1458-10
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-6

Quant Time: Feb 13 06:58:44 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	46551	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	215229	20.00	ng	-0.01
39) Acenaphthene-d10	14.79	164	153975	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	359384	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	355690	20.00	ng	-0.02
87) Perylene-d12	25.21	264	346734	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	443446	163.04	ng	0.00
7) Phenol-d6	7.31	99	602837	150.57	ng	0.00
23) Nitrobenzene-d5	9.35	82	430411	124.93	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	255087	153.85	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1041573	97.04	ng	-0.02
79) Terphenyl-d14	20.13	244	1565298	93.15	ng	-0.02

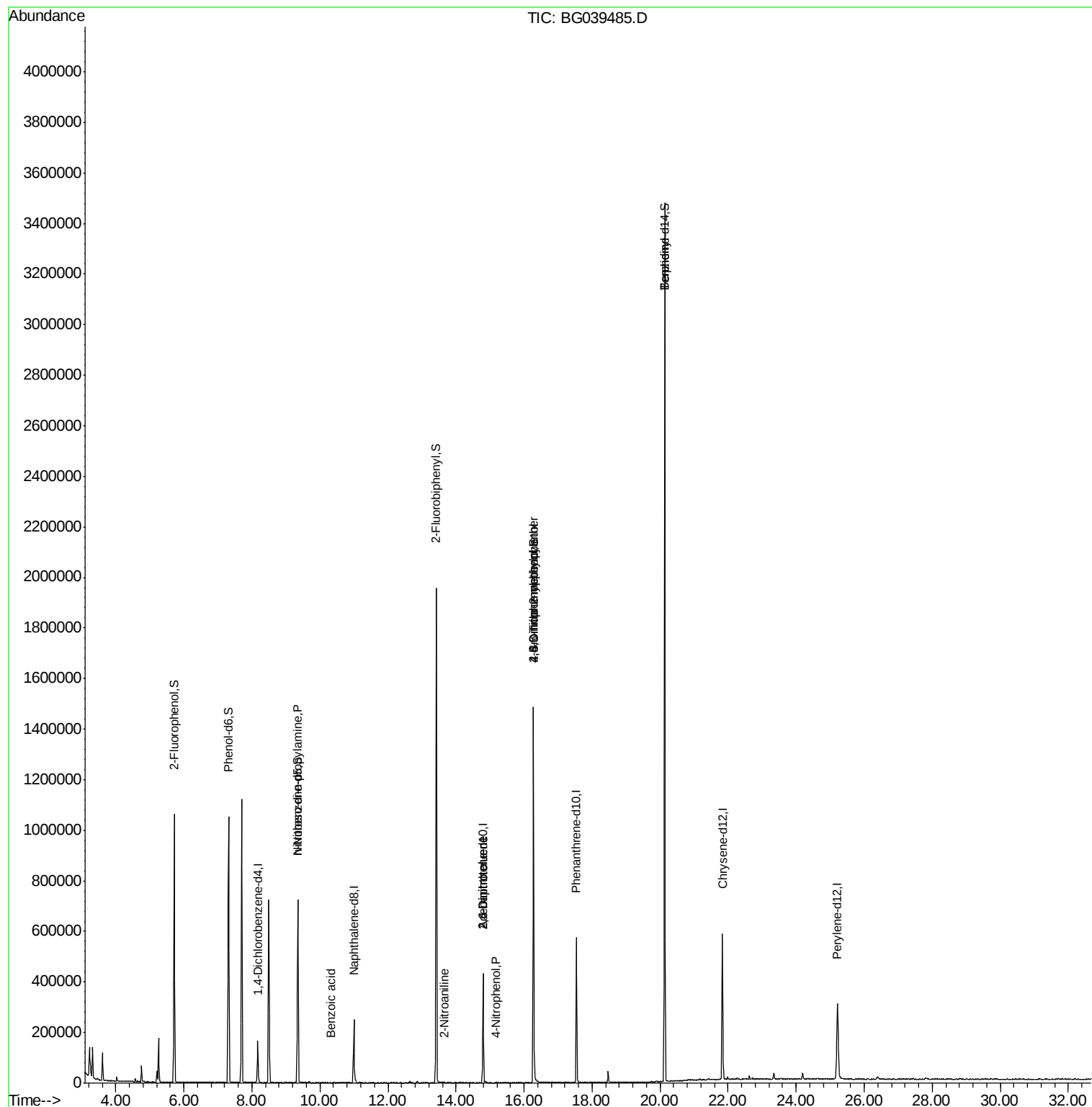
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1290	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	56430	19.859	ng	# 71
32) Benzoic acid	10.32	122	67	9.048	ng	# 1
48) 2-Nitroaniline	13.65	65	72	8.318	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	19237	13.705	ng	# 22
56) 4-Nitrophenol	15.18	139	230	5.889	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19237	13.233	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.28	198	807	4.895	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	20237	5.076	ng	# 1
77) Benzidine	20.13	184	29008	2.488	ng	# 89

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

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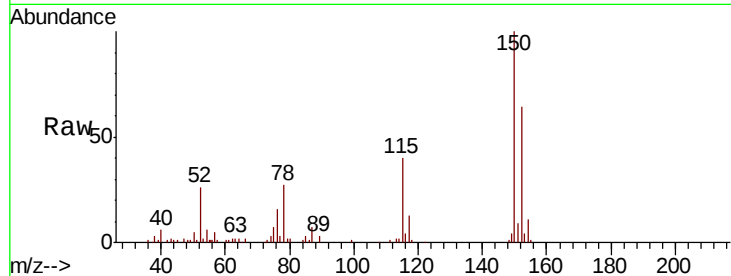


#1

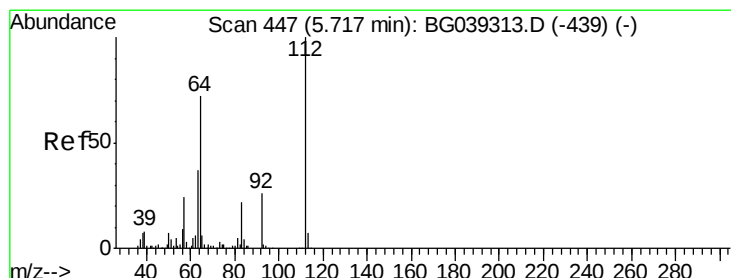
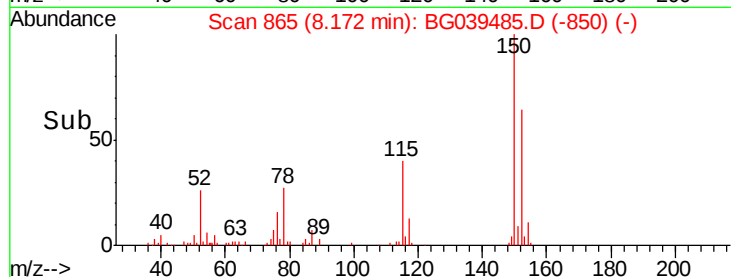
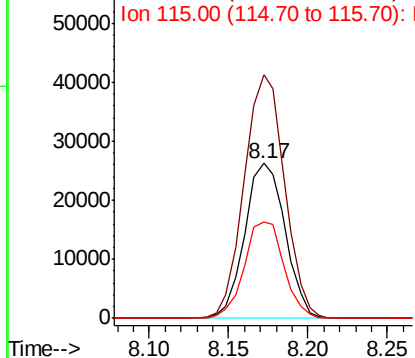
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

Instrument :
BNA_G
ClientSampled :
WC-6

Tgt Ion:152 Resp: 46551
Ion Ratio Lower Upper
152 100
150 157.0 123.7 185.5
115 62.4 45.9 68.9



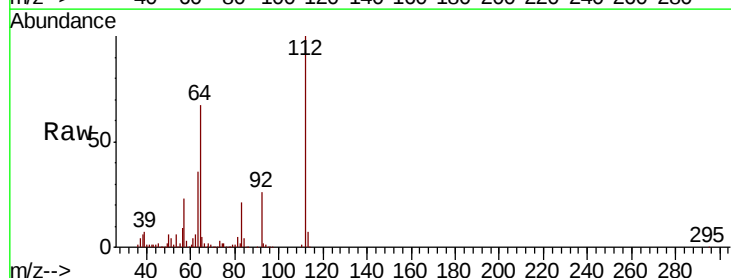
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



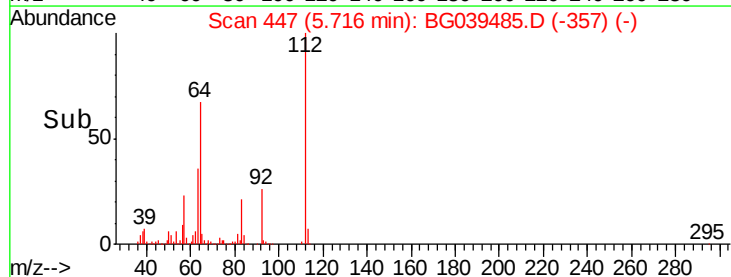
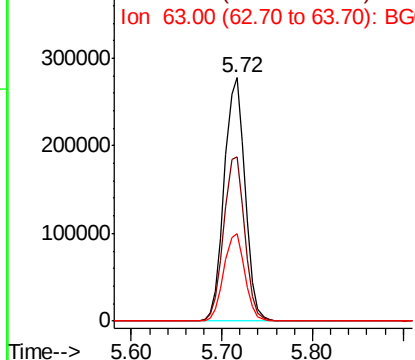
#5

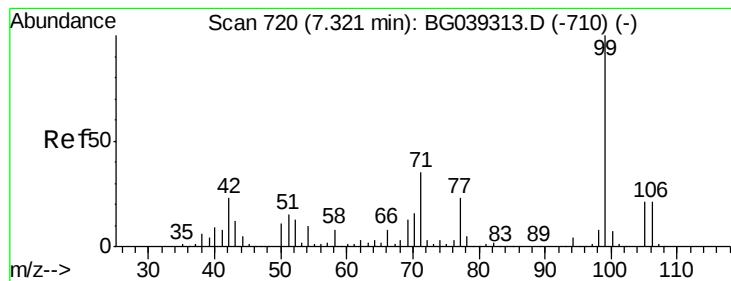
2-Fluorophenol
Concen: 163.039 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

Tgt Ion:112 Resp: 443446
Ion Ratio Lower Upper
112 100
64 67.3 57.8 86.8
63 35.8 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: 150.574 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039485.D

Acq: 13 Feb 2019 5:10

Instrument :

BNA_G

ClientSampleId :

WC-6

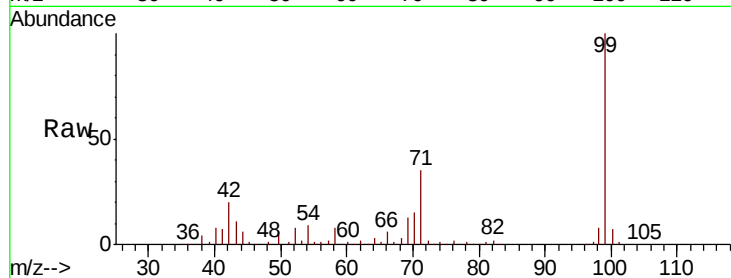
Tgt Ion: 99 Resp: 602837

Ion Ratio Lower Upper

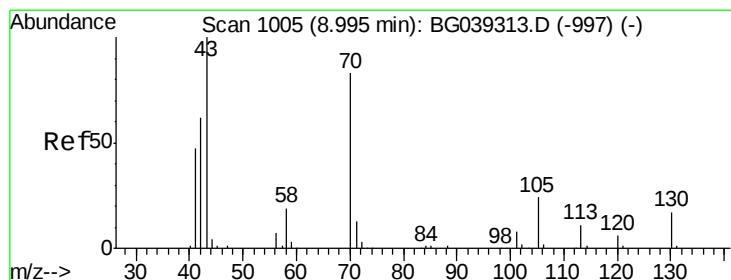
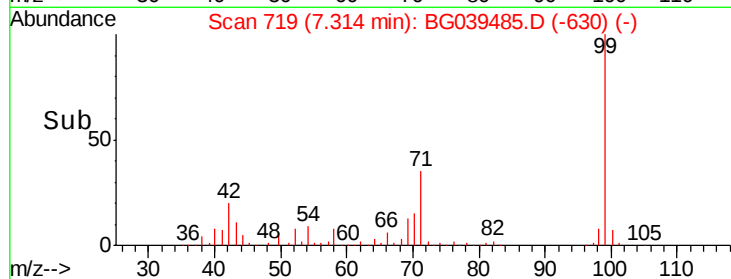
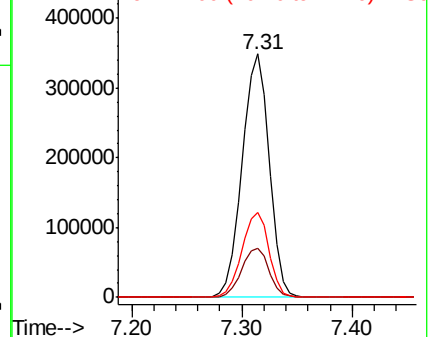
99 100

42 20.3 18.2 27.2

71 34.9 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: 19.859 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039485.D

Acq: 13 Feb 2019 5:10

Tgt Ion: 70 Resp: 56430

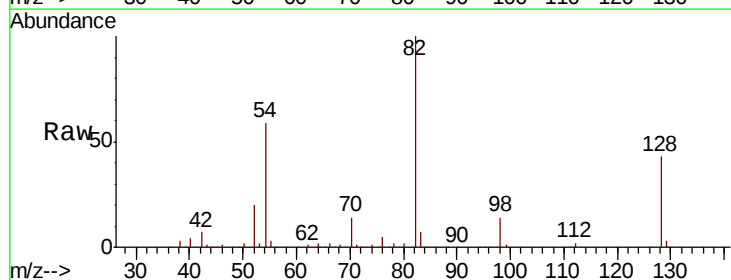
Ion Ratio Lower Upper

70 100

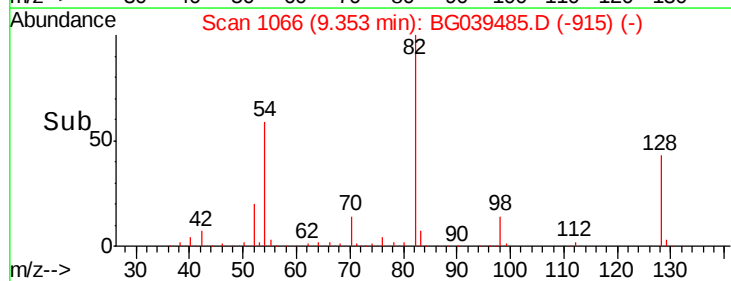
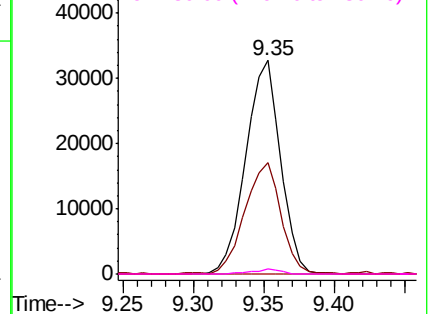
42 52.4 60.4 90.6#

101 0.0 7.5 11.3#

130 2.4 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

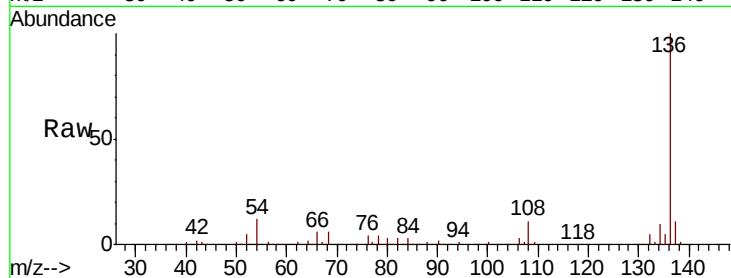




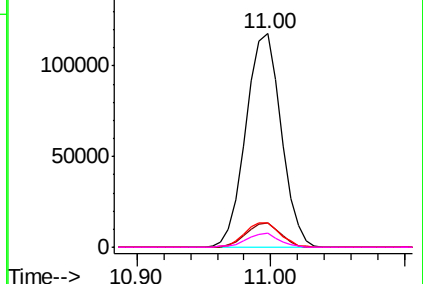
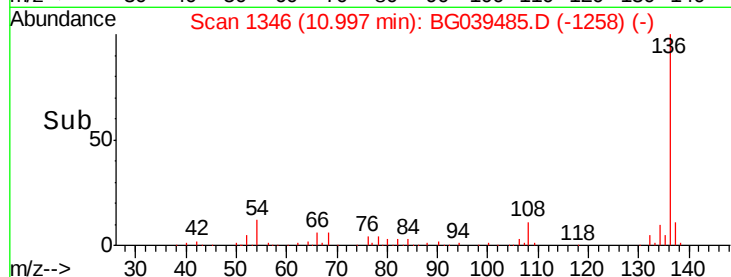
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

Instrument :
BNA_G
ClientSampleId :
WC-6

Tgt Ion:	136	Resp:	215229
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	11.5	9.4	14.2
68	6.3	4.2	6.4

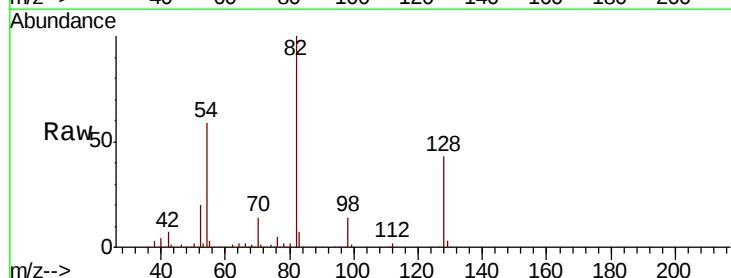


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

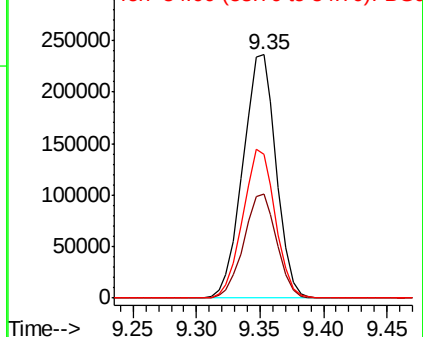
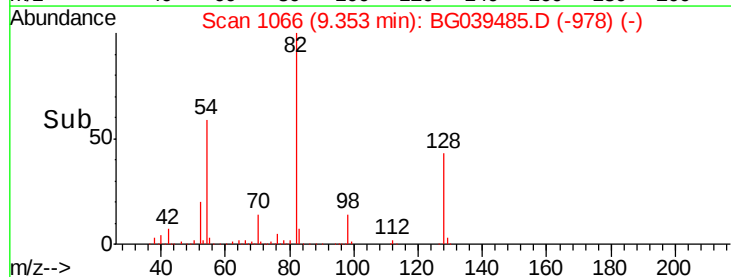


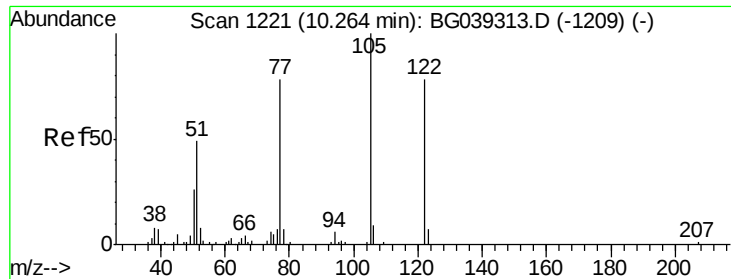
#23
Nitrobenzene-d5
Concen: 124.930 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

Tgt Ion:	82	Resp:	430411
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	59.0	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

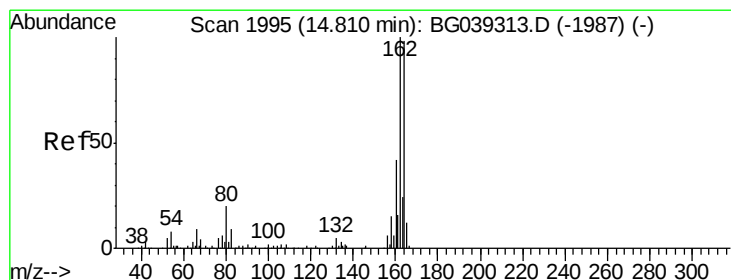
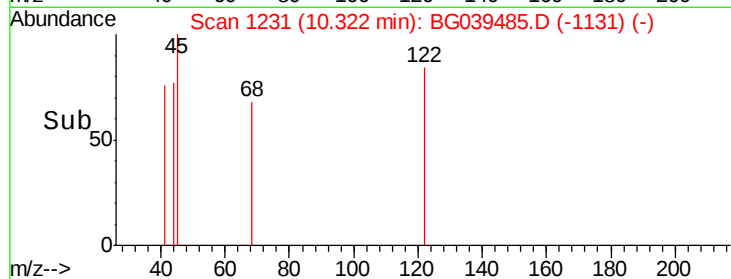
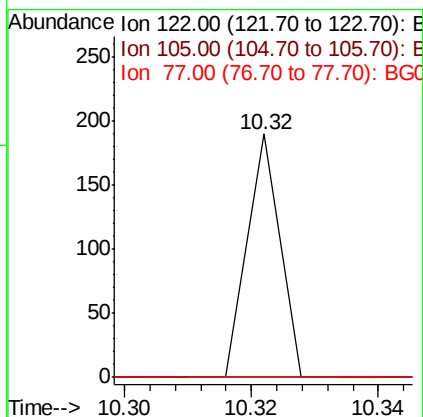
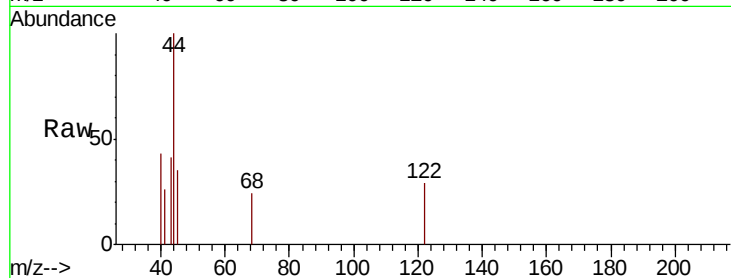




#32
Benzoic acid
Concen: 9.048 ng
RT: 10.32 min Scan# 1231
Delta R.T. 0.06 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

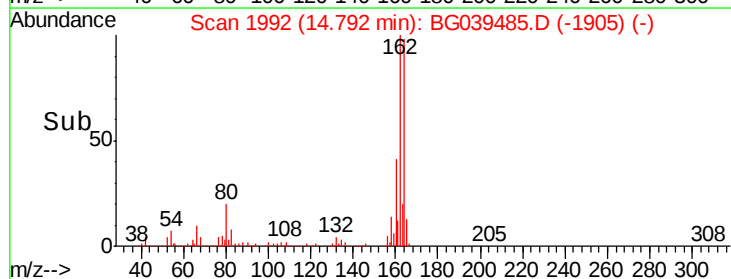
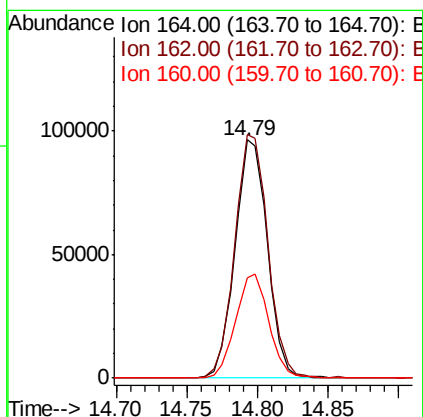
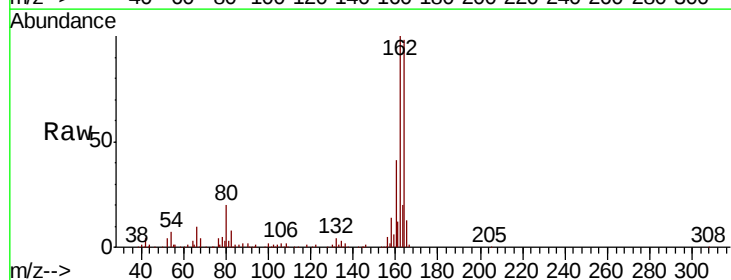
Instrument :
BNA_G
ClientSampleId :
WC-6

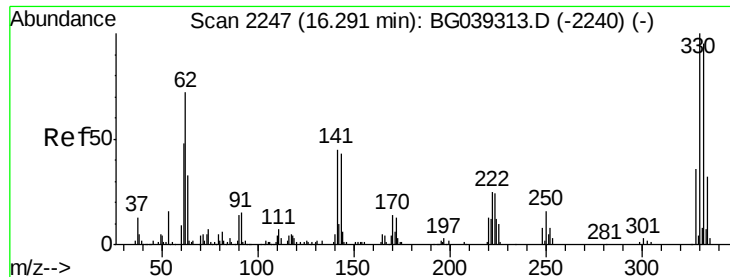
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.6	122.4
160	42.3	34.2	51.2

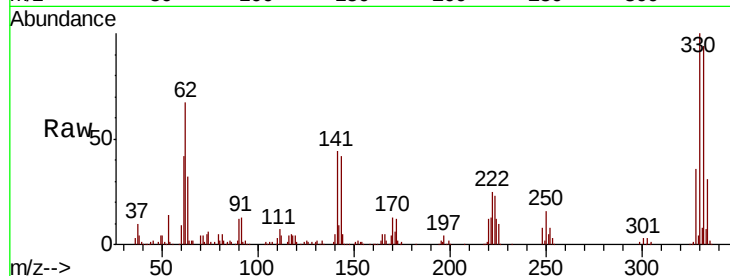




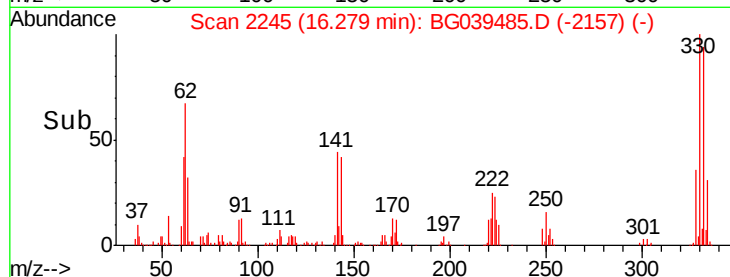
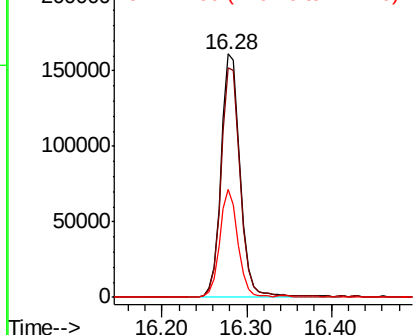
#42
 2,4,6-Tribromophenol
 Concen: 153.848 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039485.D
 Acq: 13 Feb 2019 5:10

Instrument :
 BNA_G
 ClientSampleId :
 WC-6

Tgt Ion:330 Resp: 255087
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.7 113.5
 141 42.9 35.6 53.4

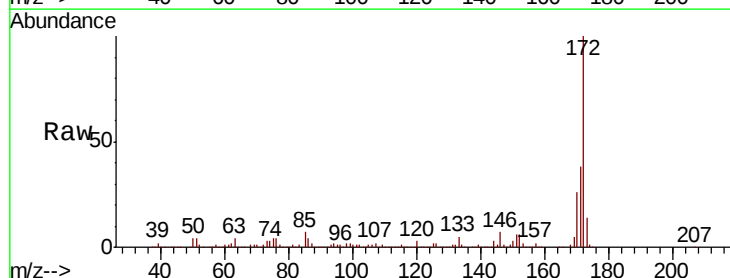


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

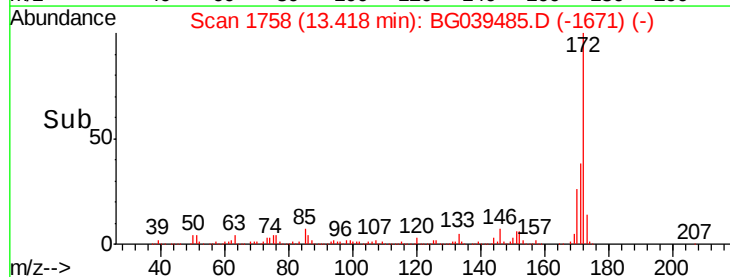
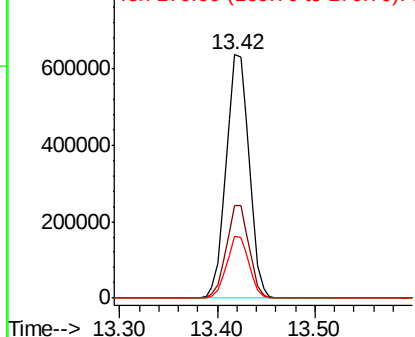


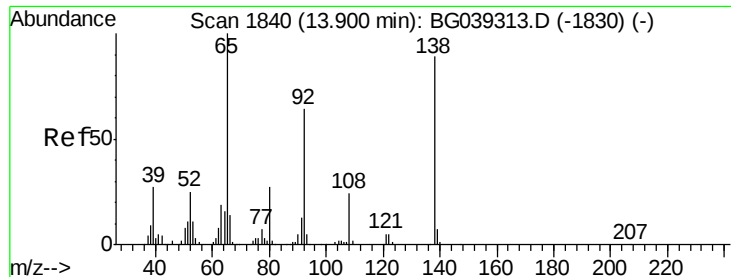
#45
 2-Fluorobiphenyl
 Concen: 97.041 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039485.D
 Acq: 13 Feb 2019 5:10

Tgt Ion:172 Resp: 1041573
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.8 46.2
 170 25.6 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: 8.318 ng

RT: 13.65 min Scan# 1798

Delta R.T. -0.25 min

Lab File: BG039485.D

Acq: 13 Feb 2019 5:10

Instrument :

BNA_G

ClientSampled :

WC-6

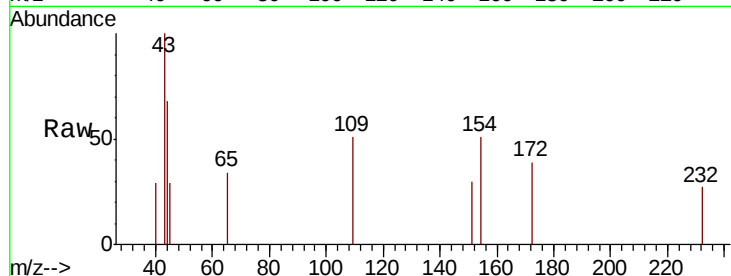
Tgt Ion: 65 Resp: 72

Ion Ratio Lower Upper

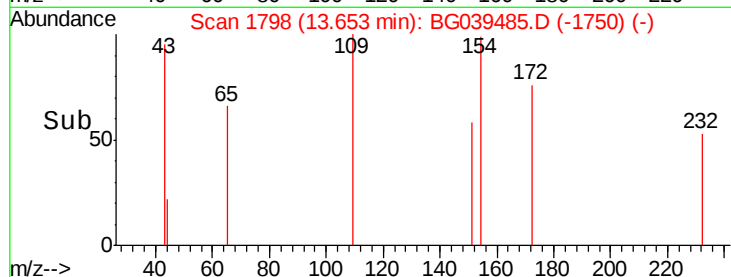
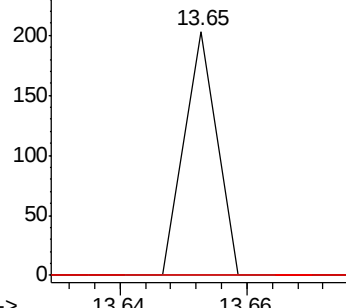
65 100

92 0.0 51.4 77.2#

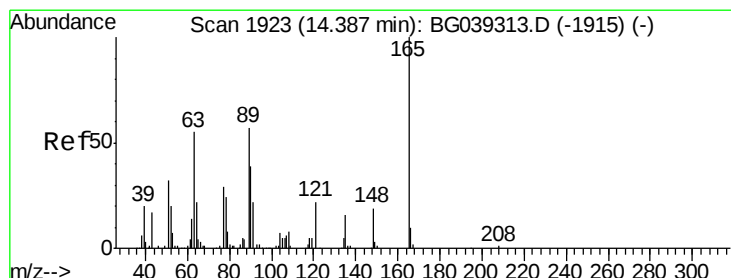
138 0.0 71.4 107.2#



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): BGC



Time-->



#51

2,6-Dinitrotoluene

Concen: 13.705 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.41 min

Lab File: BG039485.D

Acq: 13 Feb 2019 5:10

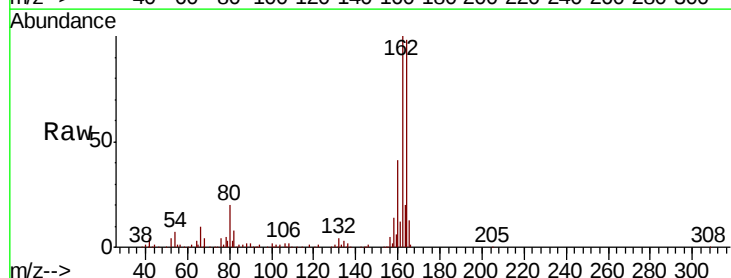
Tgt Ion: 165 Resp: 19237

Ion Ratio Lower Upper

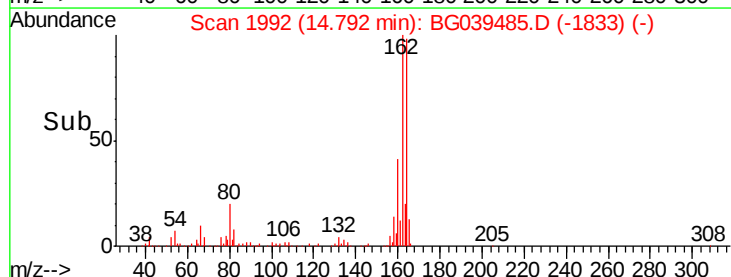
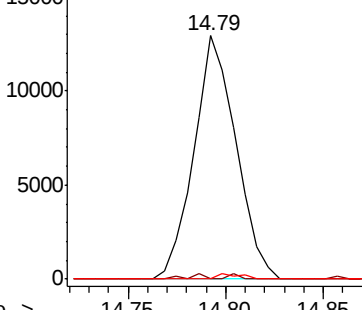
165 100

63 0.0 47.0 70.6#

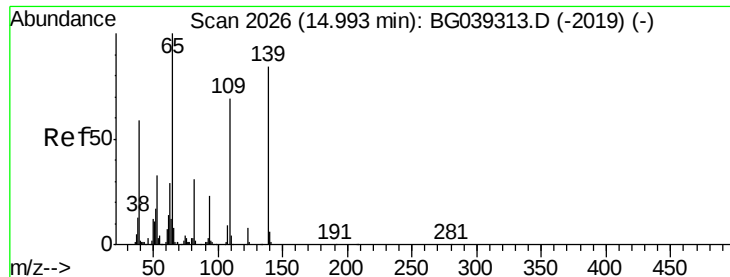
89 0.0 45.8 68.8#



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



Time-->



#56

4-Nitrophenol

Concen: 5.889 ng

RT: 15.18 min Scan# 2058

Delta R.T. 0.19 min

Lab File: BG039485.D

Acq: 13 Feb 2019 5:10

Instrument :

BNA_G

ClientSampleId :

WC-6

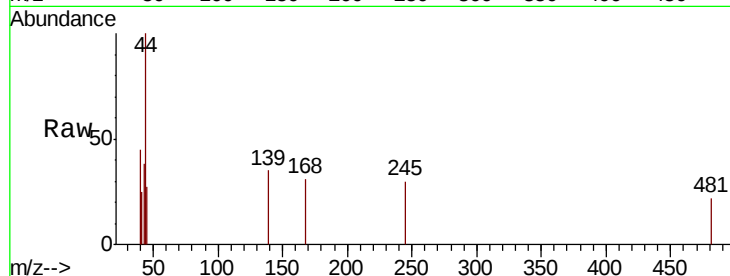
Tgt Ion:139 Resp: 230

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

15.18

250

200

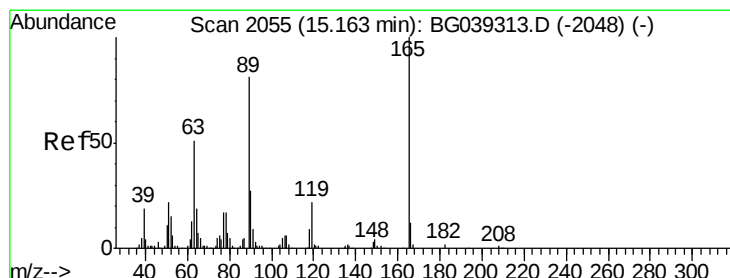
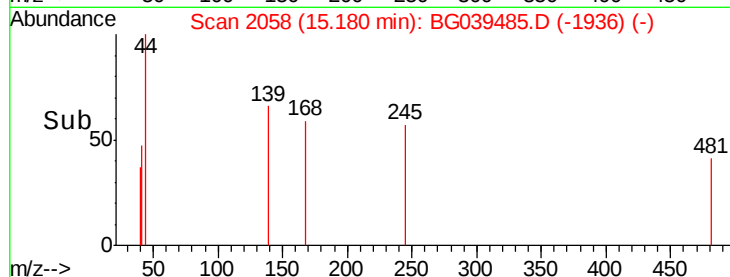
150

100

50

0

Time--> 15.16 15.18 15.20



#57

2,4-Dinitrotoluene

Concen: 13.233 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039485.D

Acq: 13 Feb 2019 5:10

Tgt Ion:165 Resp: 19237

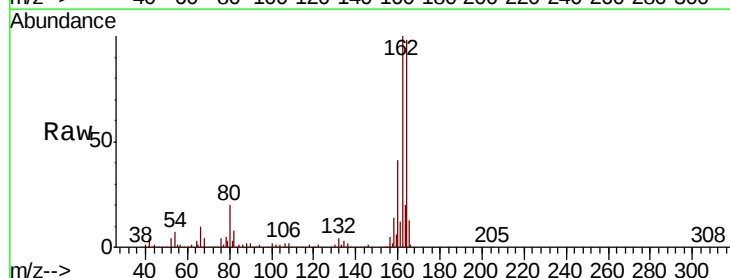
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#



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

14.79

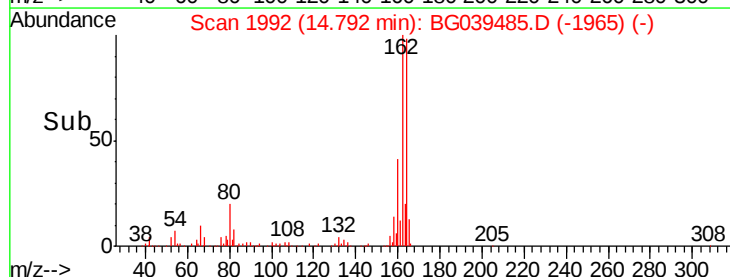
15000

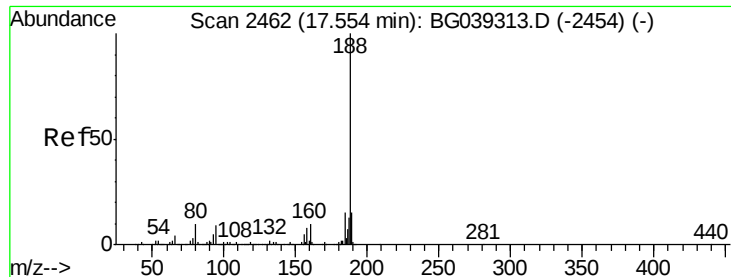
10000

5000

0

Time--> 14.75 14.80 14.85





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039485.D

Acq: 13 Feb 2019 5:10

Instrument :

BNA_G

ClientSampleId :

WC-6

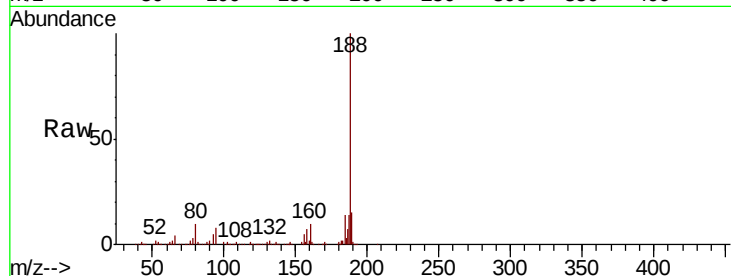
Tgt Ion:188 Resp: 359384

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

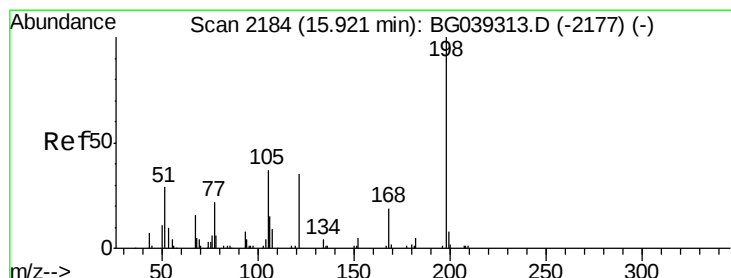
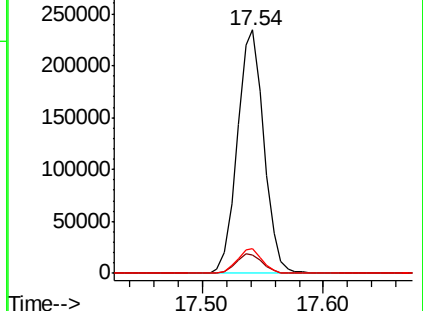
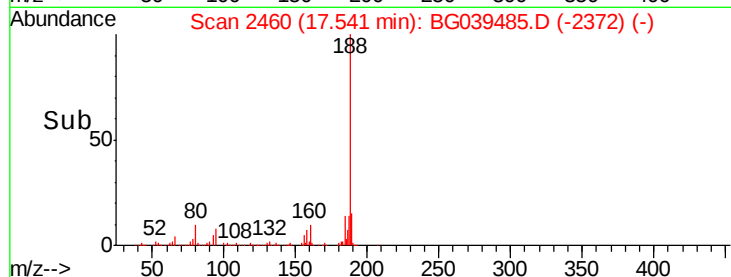
80 9.9 8.1 12.1



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: 4.895 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039485.D

Acq: 13 Feb 2019 5:10

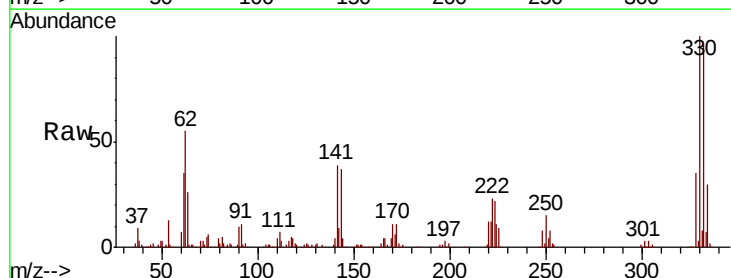
Tgt Ion:198 Resp: 807

Ion Ratio Lower Upper

198 100

51 97.2 27.4 67.4#

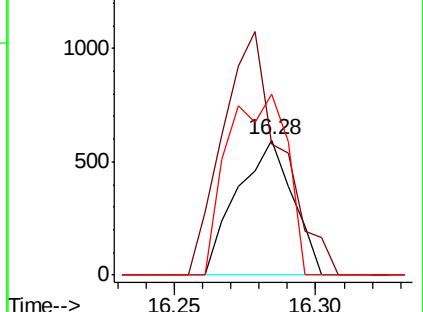
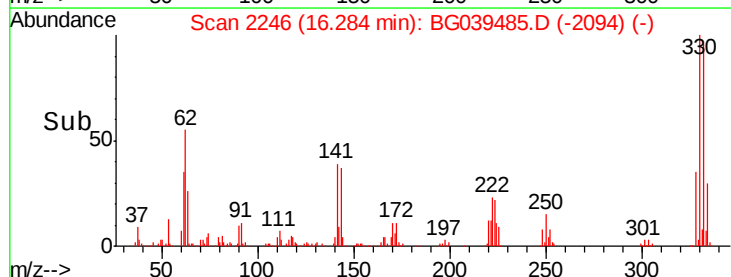
105 133.3 19.7 59.7#

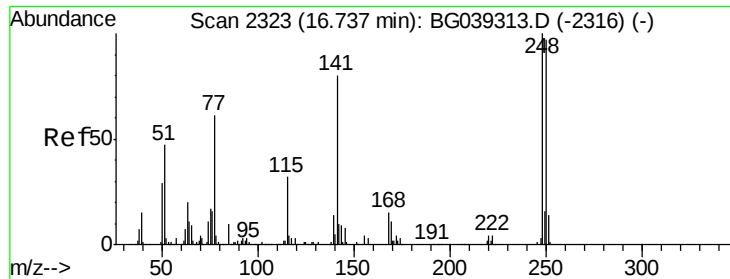


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

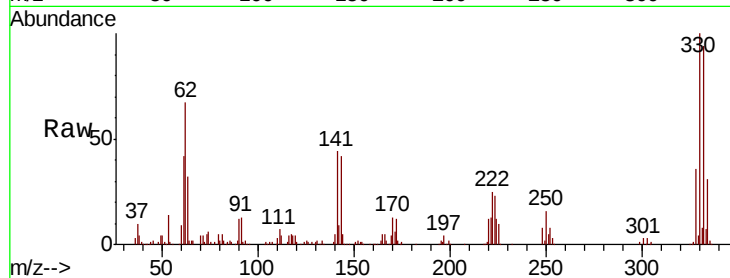




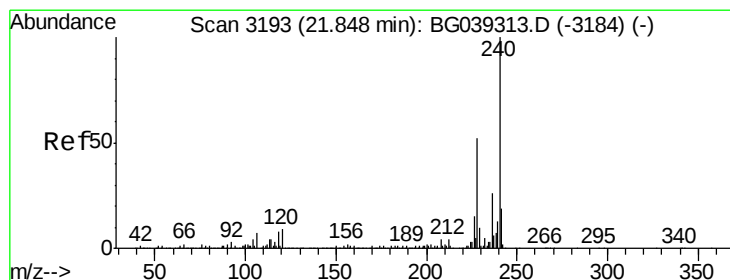
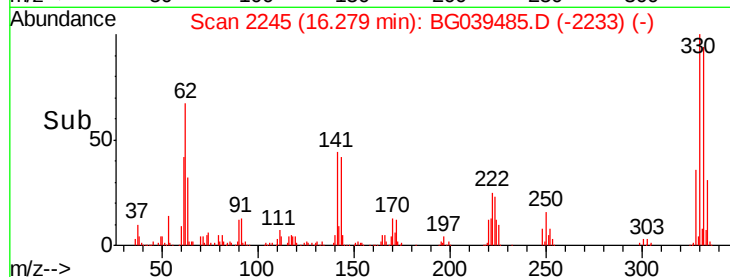
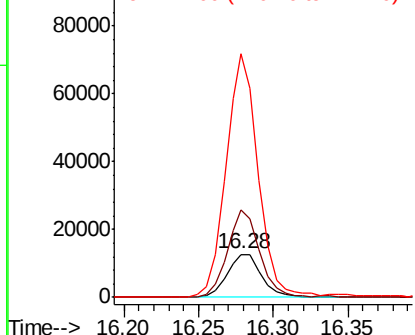
#67
4-Bromophenyl-phenylether
Concen: 5.076 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

Instrument :
BNA_G
ClientSampleId :
WC-6

Tgt Ion:248 Resp: 20237
Ion Ratio Lower Upper
248 100
250 204.6 77.6 116.4#
141 566.2 63.9 95.9#

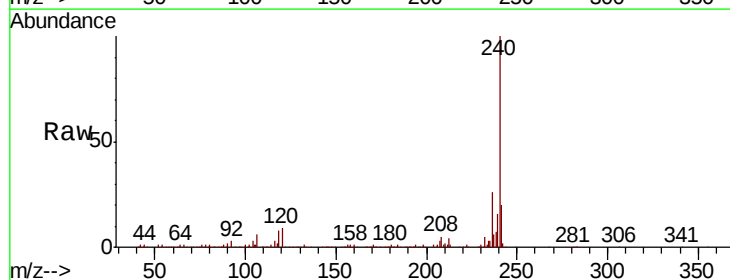


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

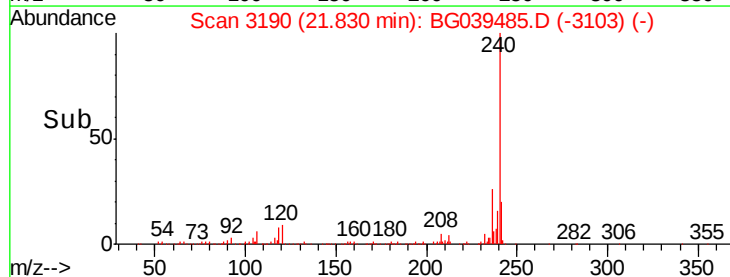
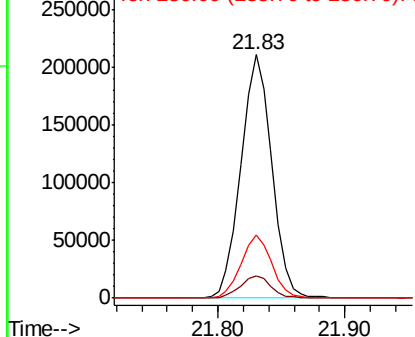


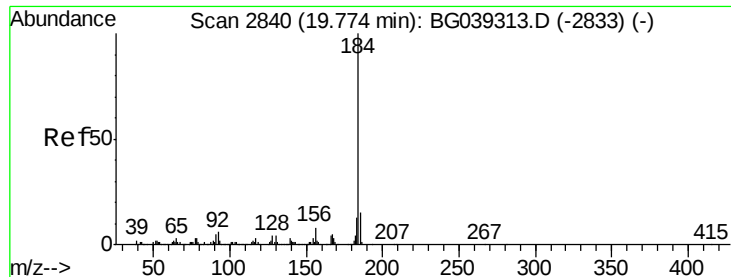
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

Tgt Ion:240 Resp: 355690
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 26.1 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

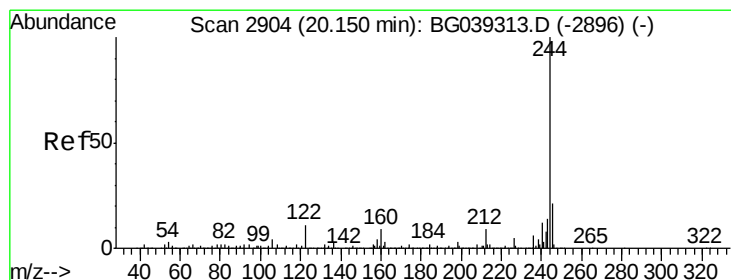
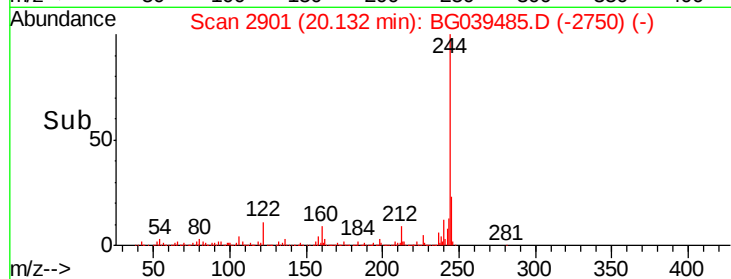
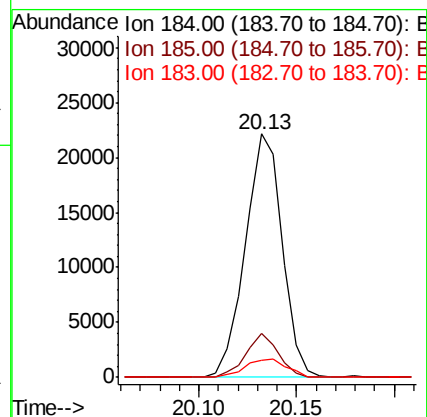
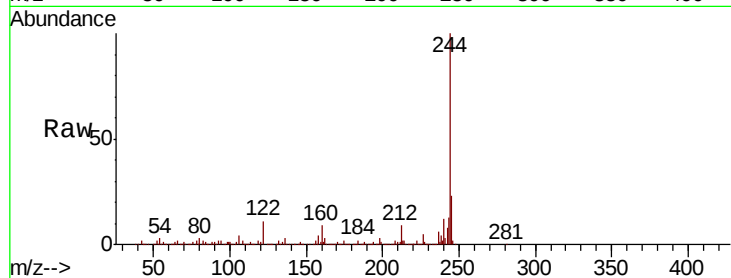




#77
Benzidine
Concen: 2.488 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

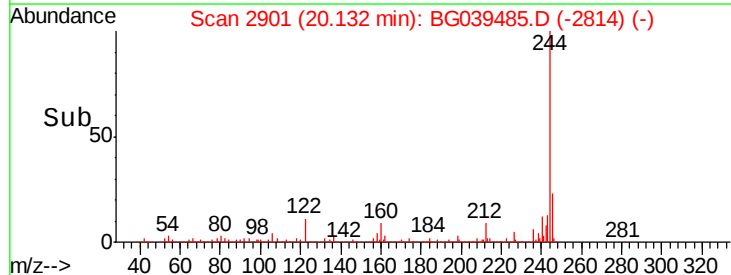
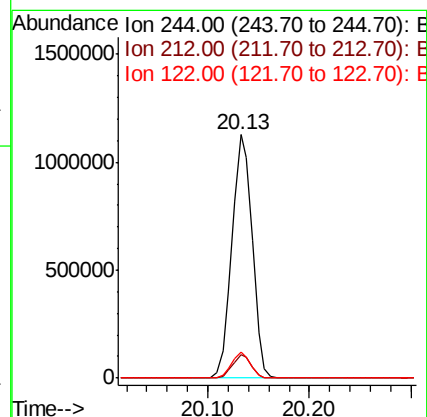
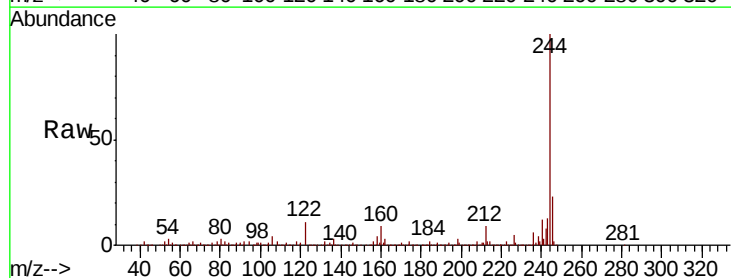
Instrument :
BNA_G
ClientSampleId :
WC-6

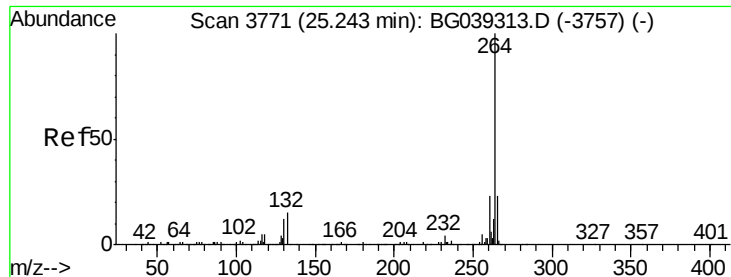
Tgt Ion:184 Resp: 29008
Ion Ratio Lower Upper
184 100
185 17.9 12.2 18.2
183 7.0 10.6 15.8#



#79
Terphenyl-d14
Concen: 93.150 ng
RT: 20.13 min Scan# 2901
Delta R.T. -0.02 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

Tgt Ion:244 Resp: 1565298
Ion Ratio Lower Upper
244 100
212 9.5 7.3 10.9
122 10.6 8.4 12.6

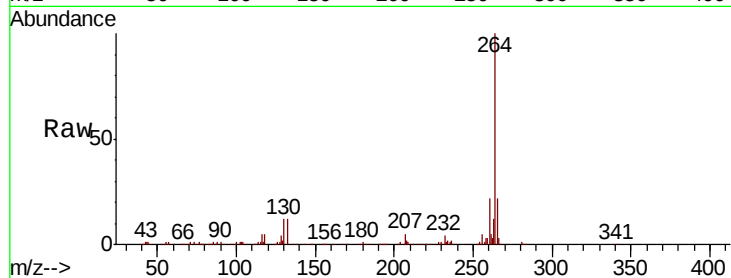




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039485.D
Acq: 13 Feb 2019 5:10

Instrument :
BNA_G
ClientSampleId :
WC-6

Tgt Ion:	264	Resp:	346734
Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.2	27.4
265	22.0	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

