

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG013019\
 Data File : BG039333.D
 Acq On : 30 Jan 2019 18:32
 Operator : JU/SJ
 Sample : K1268-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 012819-TIPC-E-D-M

Quant Time: Jan 31 05:41:49 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	8.18	152	44772	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	192725	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	126864	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	310134	20.00	ng	0.00
76) Chrysene-d12	21.84	240	314834	20.00	ng	0.00
87) Perylene-d12	25.23	264	322403	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	101947	38.97	ng	0.00
7) Phenol-d6	7.31	99	87052	22.61	ng	0.00
23) Nitrobenzene-d5	9.36	82	308856	100.12	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	132200	96.77	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	762706	86.25	ng	0.00
79) Terphenyl-d14	20.14	244	1036755	69.70	ng	0.00

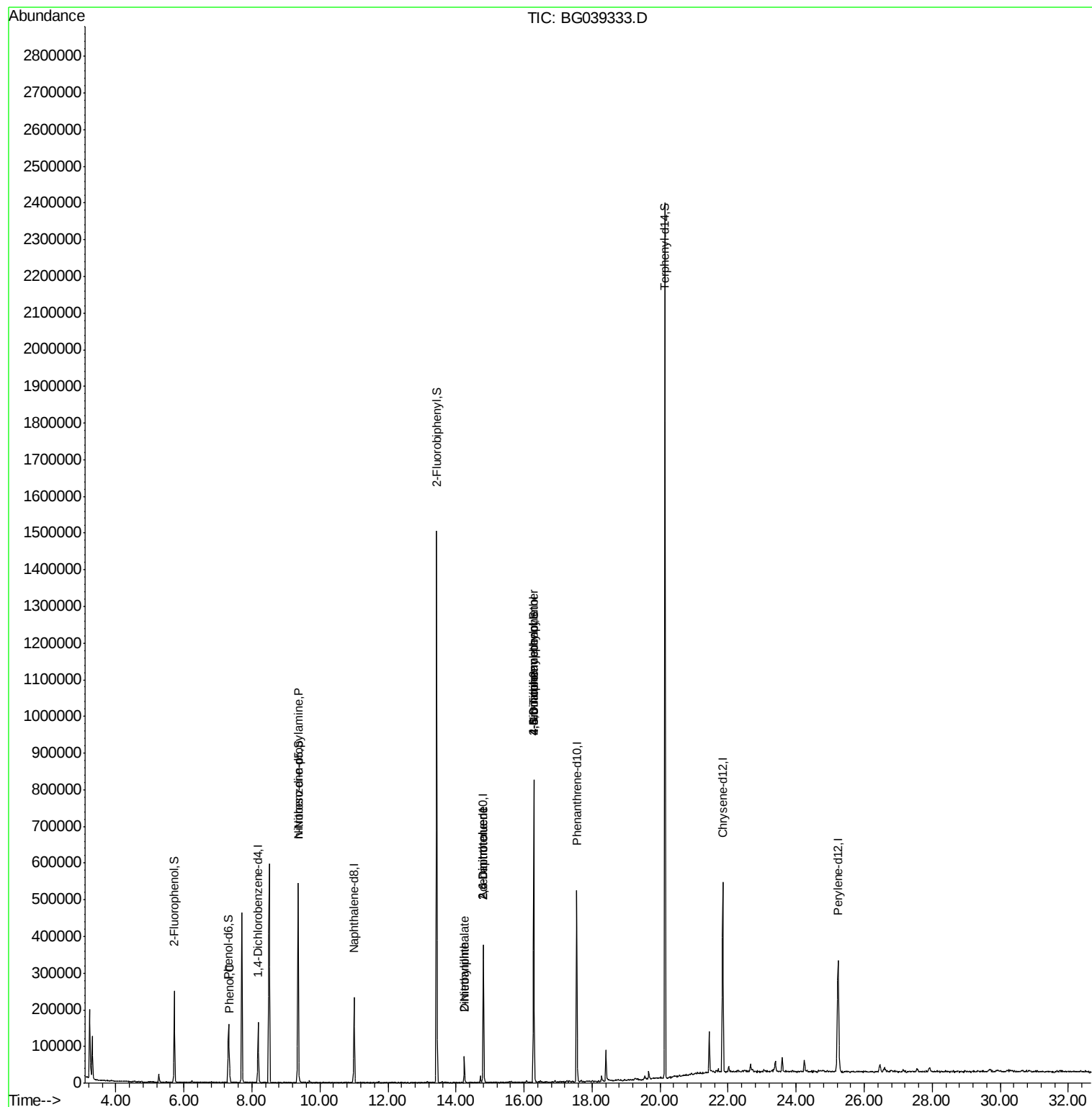
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	186	Below Cal		# 4
10) Phenol	7.34	94	30771	7.666	ng	# 88
19) n-Nitroso-di-n-propylamine	9.36	70	41310	15.115	ng	# 72
48) 2-Nitroaniline	14.24	65	352	8.424	ng	# 1
50) Dimethylphthalate	14.25	163	44831	4.375	ng	# 98
51) 2,6-Dinitrotoluene	14.80	165	16223	13.873	ng	# 24
57) 2,4-Dinitrotoluene	14.80	165	16223	13.361	ng	# 19
62) 4-Nitroaniline	16.28	138	67	4.231	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	530	4.722	ng	# 1
67) 4-Bromophenyl-phenylether	16.29	248	10967	3.188	ng	# 1

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

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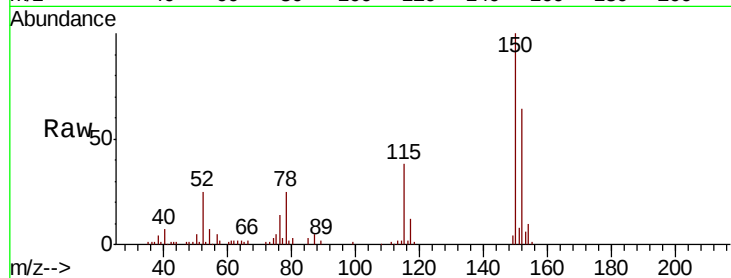


#1

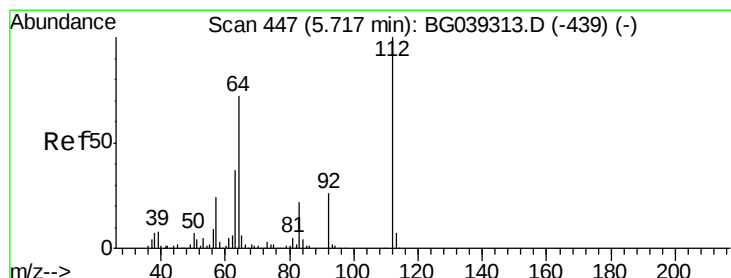
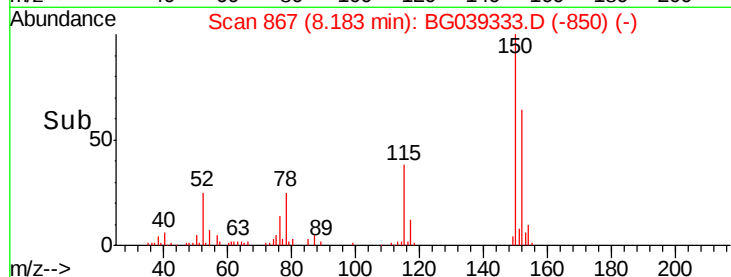
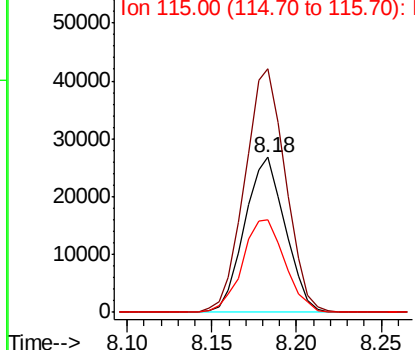
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. -0.00 min
Lab File: BG039333.D
Acq: 30 Jan 2019 18:32

Instrument :
BNA_G
ClientSampleId :
012819-TIPC-E-D-M

Tgt Ion:152 Resp: 44772
Ion Ratio Lower Upper
152 100
150 156.8 123.7 185.5
115 59.9 45.9 68.9



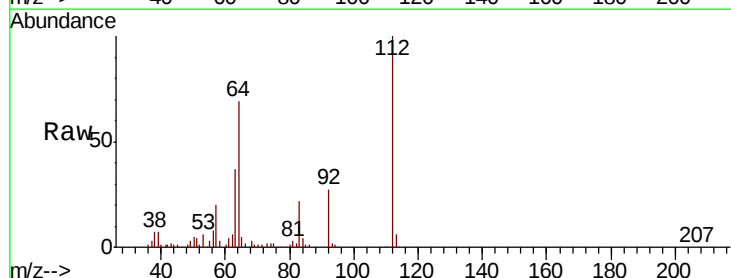
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



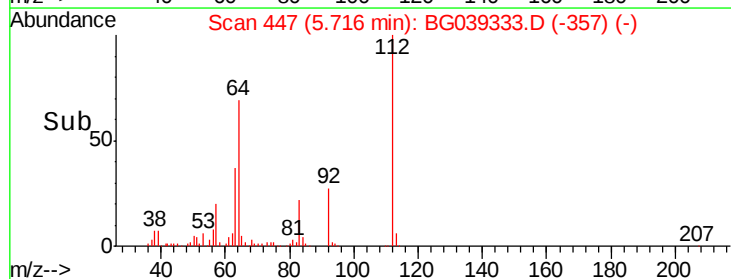
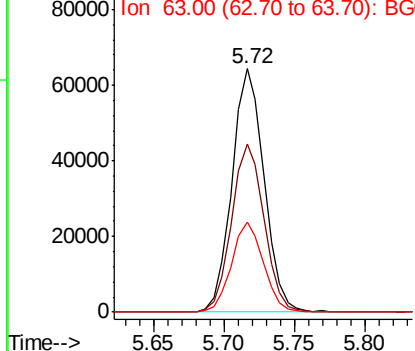
#5

2-Fluorophenol
Concen: 38.971 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039333.D
Acq: 30 Jan 2019 18:32

Tgt Ion:112 Resp: 101947
Ion Ratio Lower Upper
112 100
64 69.2 57.8 86.8
63 37.0 29.8 44.6



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





#7

Phenol-d6

Concen: 22.607 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039333.D

Acq: 30 Jan 2019 18:32

Instrument :

BNA_G

ClientSampleId :

012819-TIPC-E-D-M

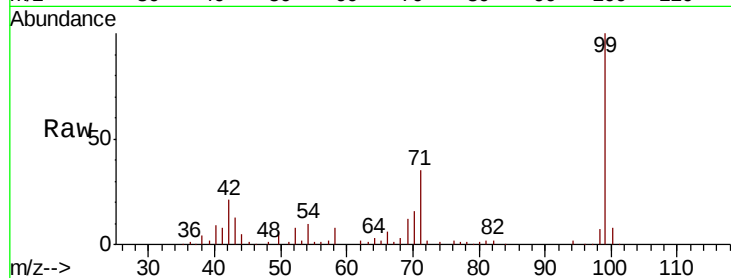
Tgt Ion: 99 Resp: 87052

Ion Ratio Lower Upper

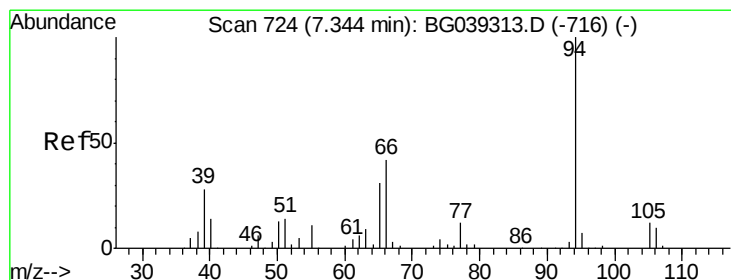
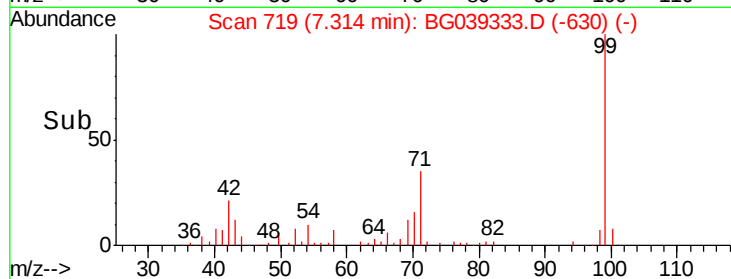
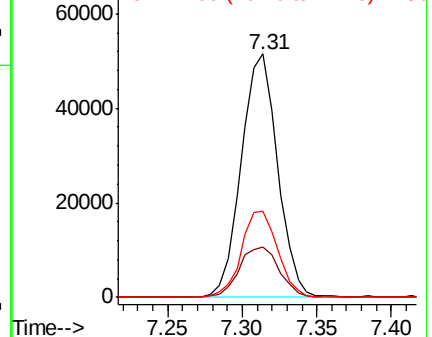
99 100

42 20.9 18.2 27.2

71 35.2 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



#10

Phenol

Concen: 7.666 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039333.D

Acq: 30 Jan 2019 18:32

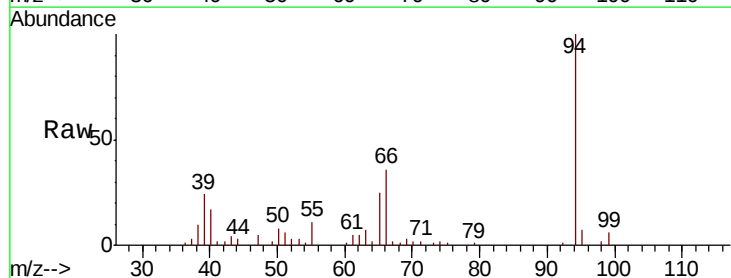
Tgt Ion: 94 Resp: 30771

Ion Ratio Lower Upper

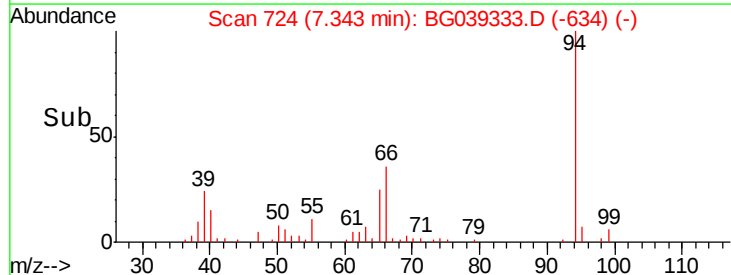
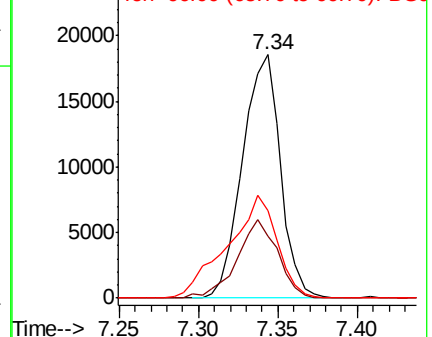
94 100

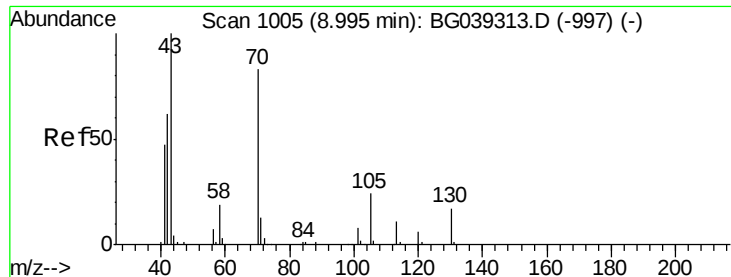
65 25.3 11.7 51.7

66 36.2 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

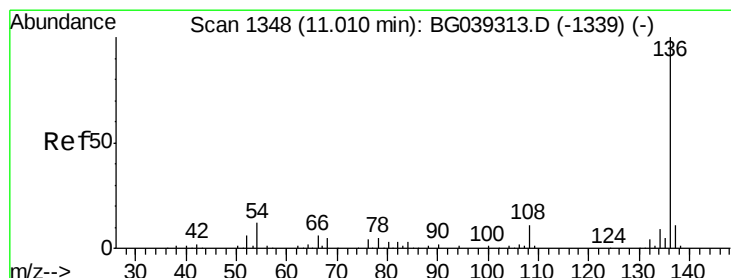
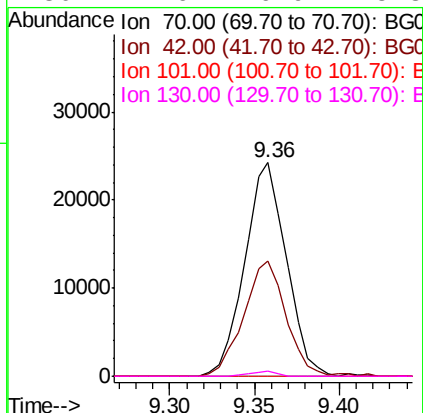
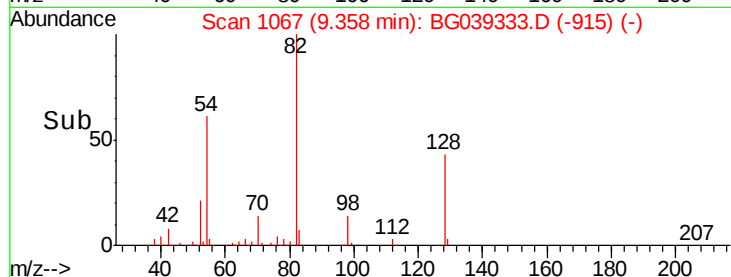
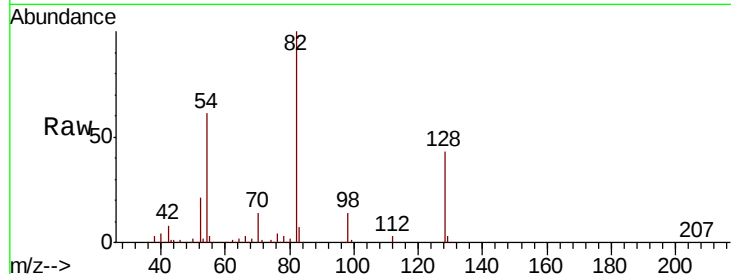




#19
n-Nitroso-di-n-propylamine
Concen: 15.115 ng
RT: 9.36 min Scan# 1067
Delta R.T. 0.36 min
Lab File: BG039333.D
Acq: 30 Jan 2019 18:32

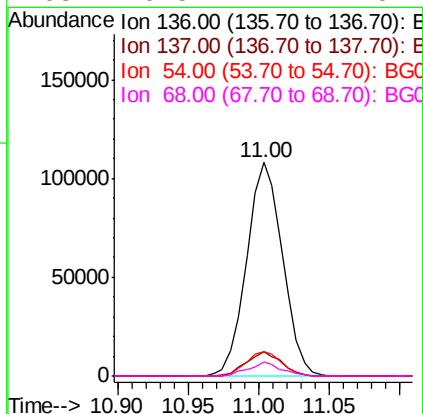
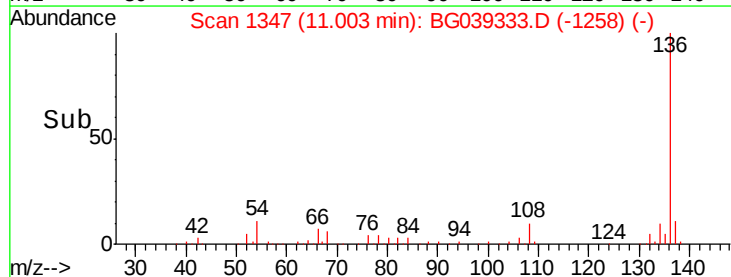
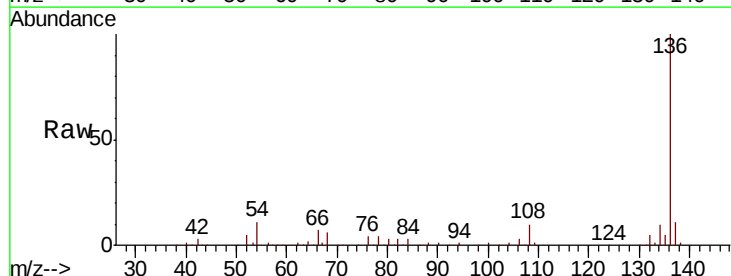
Instrument :
BNA_G
ClientSampleId :
012819-TIPC-E-D-M

Tgt Ion: 70 Resp: 41310
Ion Ratio Lower Upper
70 100
42 54.0 60.4 90.6#
101 0.0 7.5 11.3#
130 2.6 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039333.D
Acq: 30 Jan 2019 18:32

Tgt Ion: 136 Resp: 192725
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 11.4 9.4 14.2
68 6.5 4.2 6.4#

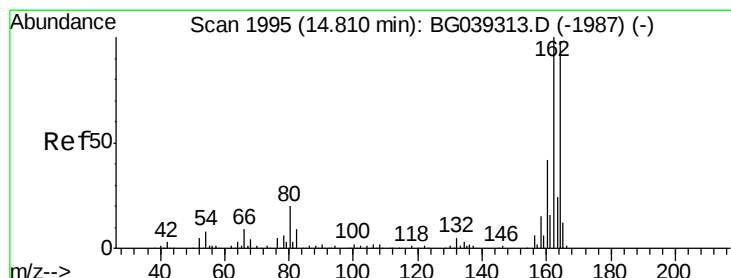
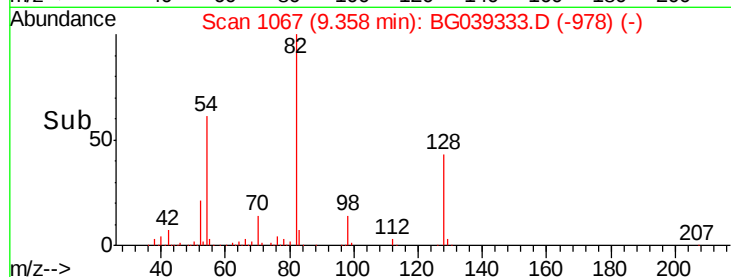
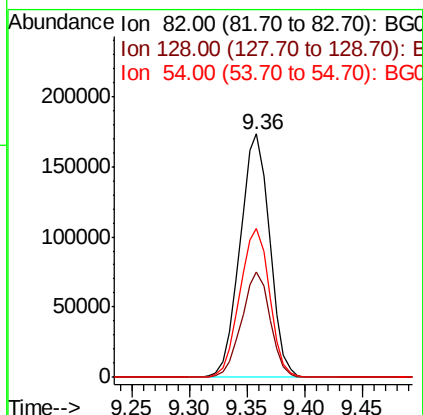
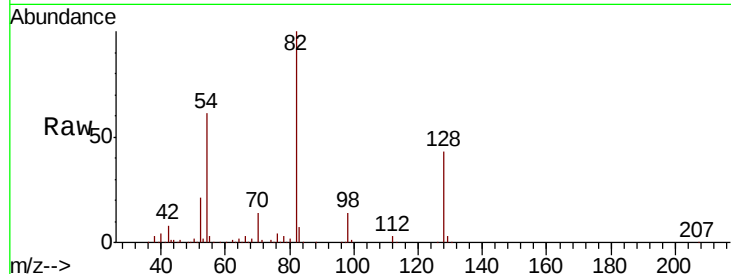




#23
 Nitrobenzene-d5
 Concen: 100.115 ng
 RT: 9.36 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: BG039333.D
 Acq: 30 Jan 2019 18:32

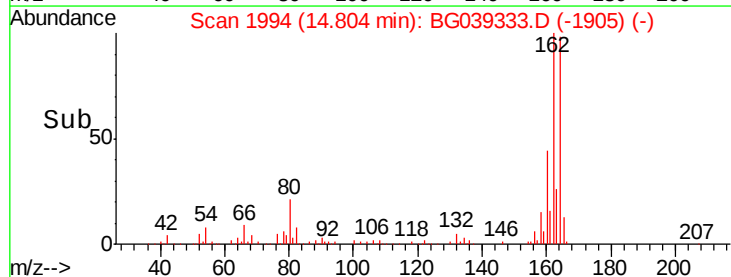
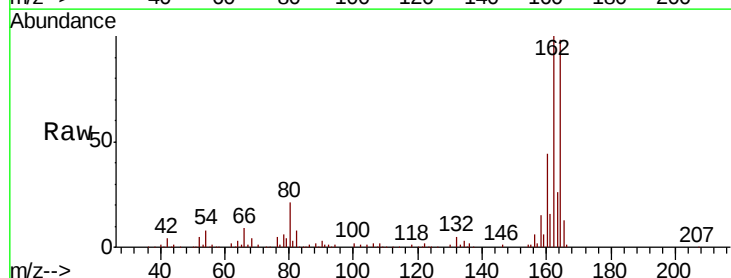
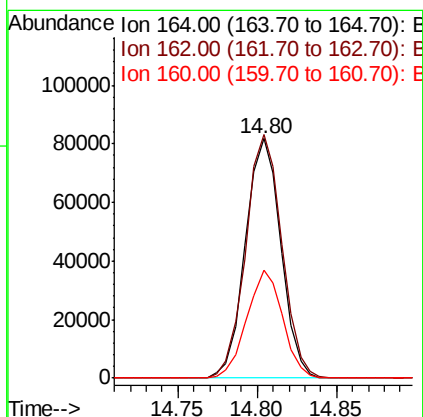
Instrument :
 BNA_G
 ClientSampleId :
 012819-TIPC-E-D-M

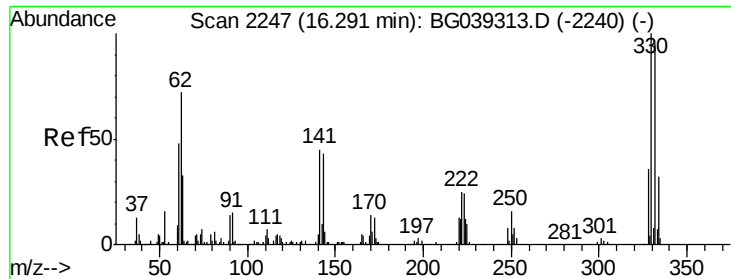
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.3	31.3	46.9
54	61.1	50.9	76.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BG039333.D
 Acq: 30 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.6	122.4
160	45.1	34.2	51.2

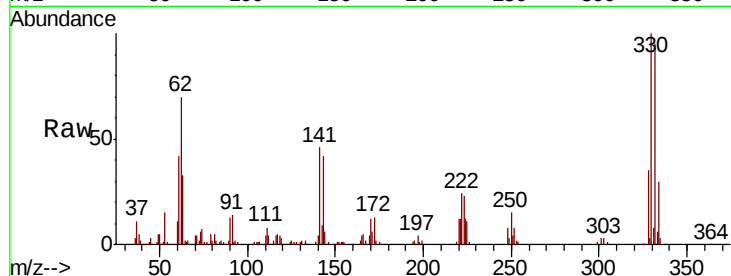




#42
 2,4,6-Tribromophenol
 Concen: 96.771 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039333.D
 Acq: 30 Jan 2019 18:32

Instrument :
 BNA_G
 ClientSampleId :
 012819-TIPC-E-D-M

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.7	113.5
141	44.1	35.6	53.4

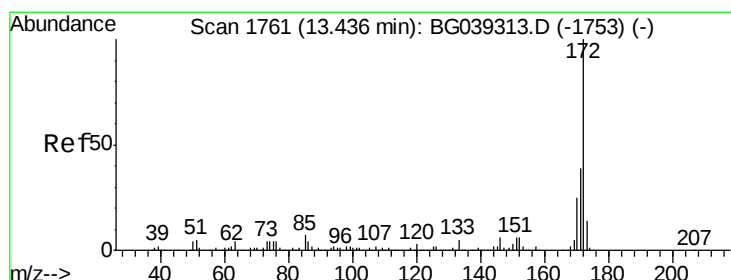
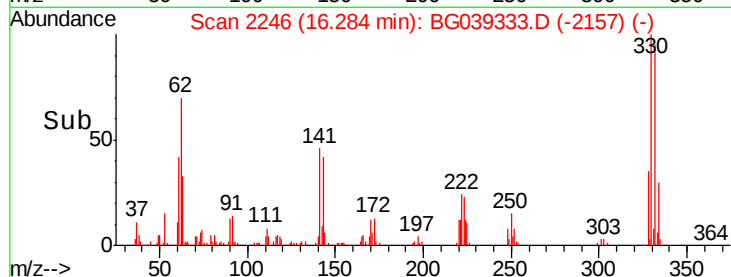
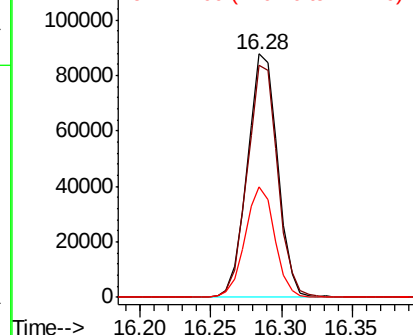


Abundance

Ion 329.80 (329.50 to 330.50): E

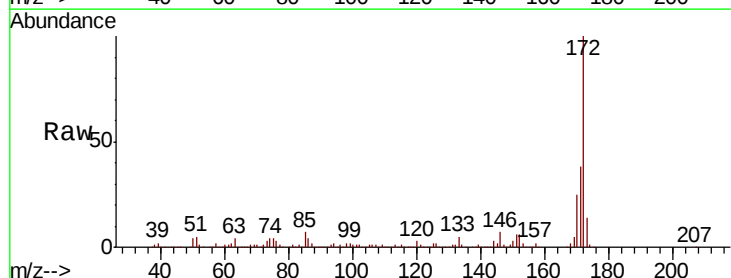
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 86.245 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BG039333.D
 Acq: 30 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.8	46.2
170	25.0	20.2	30.4

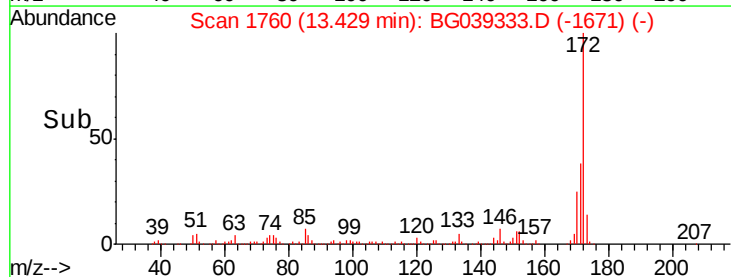
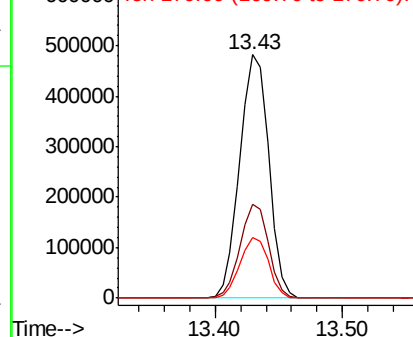


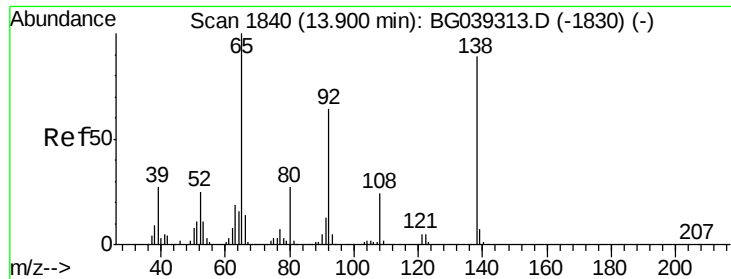
Abundance

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: 8.424 ng

RT: 14.24 min Scan# 1898

Delta R.T. 0.34 min

Lab File: BG039333.D

Acq: 30 Jan 2019 18:32

Instrument :

BNA_G

ClientSampleId :

012819-TIPC-E-D-M

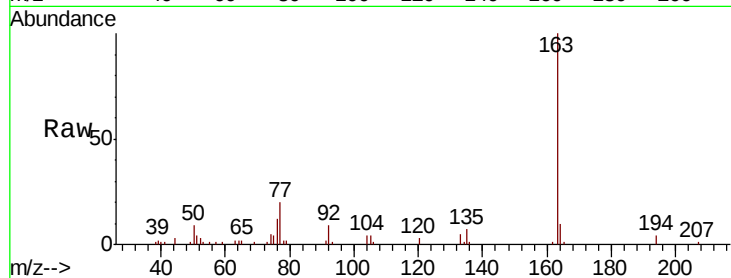
Tgt Ion: 65 Resp: 352

Ion Ratio Lower Upper

65 100

92 513.1 51.4 77.2#

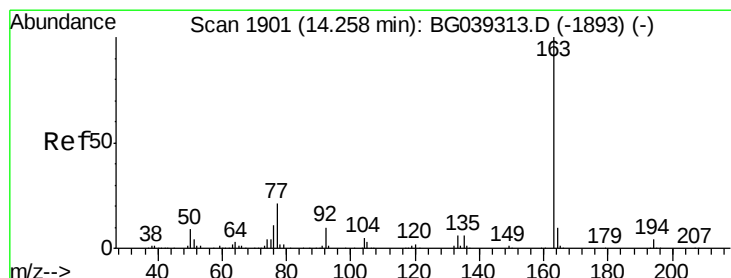
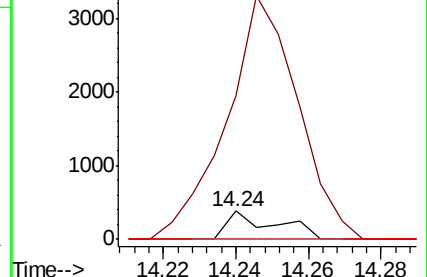
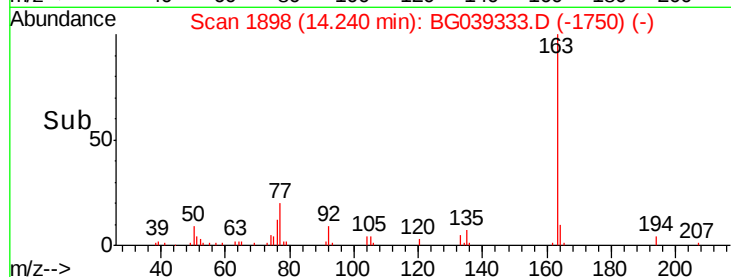
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BG039333.D (-1830) (-)

Ion 92.00 (91.70 to 92.70): BG039333.D (-1830) (-)

Ion 138.00 (137.70 to 138.70): BG039333.D (-1830) (-)



#50

Dimethylphthalate

Concen: 4.375 ng

RT: 14.25 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BG039333.D

Acq: 30 Jan 2019 18:32

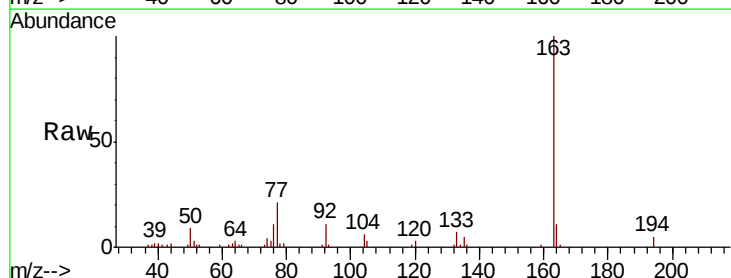
Tgt Ion: 163 Resp: 44831

Ion Ratio Lower Upper

163 100

194 5.3 3.6 5.4

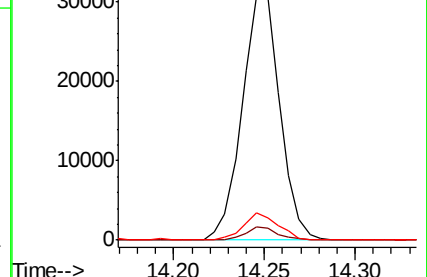
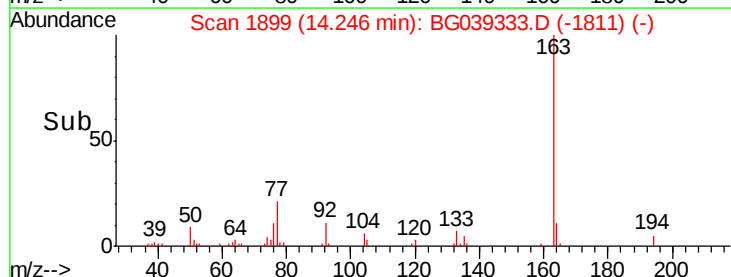
164 11.0 8.4 12.6

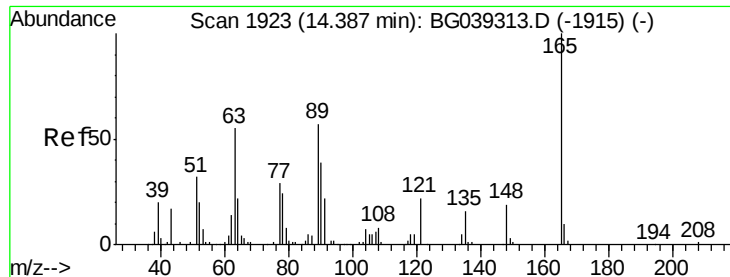


Abundance Ion 163.00 (162.70 to 163.70): BG039333.D (-1893) (-)

Ion 194.00 (193.70 to 194.70): BG039333.D (-1893) (-)

Ion 164.00 (163.70 to 164.70): BG039333.D (-1893) (-)

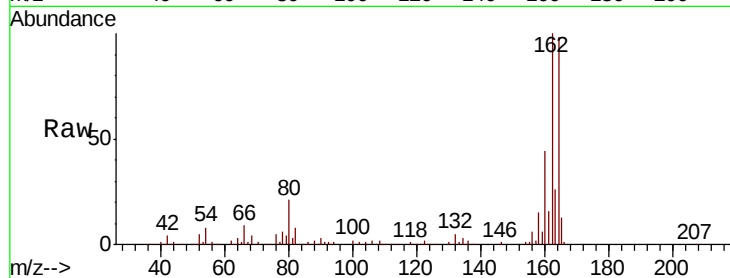




#51
 2,6-Dinitrotoluene
 Concen: 13.873 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. 0.42 min
 Lab File: BG039333.D
 Acq: 30 Jan 2019 18:32

Instrument :
 BNA_G
 ClientSampleId :
 012819-TIPC-E-D-M

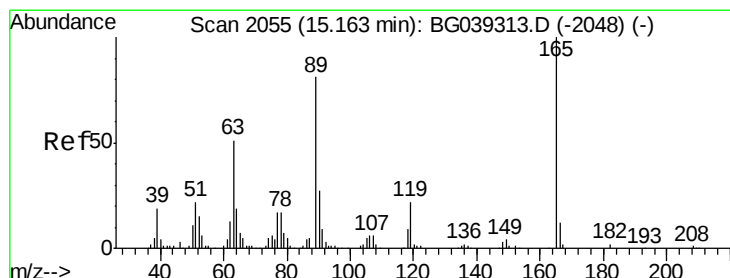
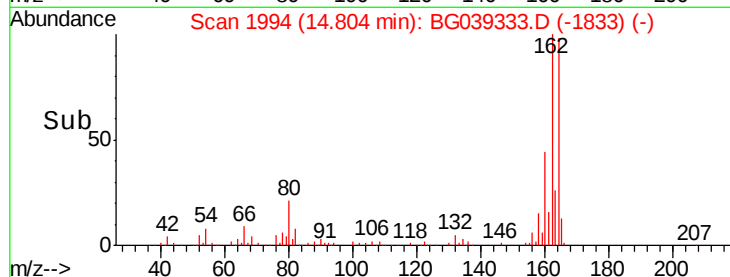
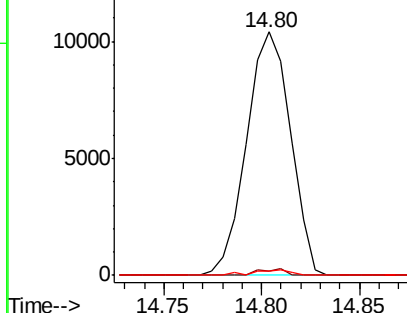
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.0	70.6#
89	1.5	45.8	68.8#



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: 13.361 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. -0.36 min
 Lab File: BG039333.D
 Acq: 30 Jan 2019 18:32

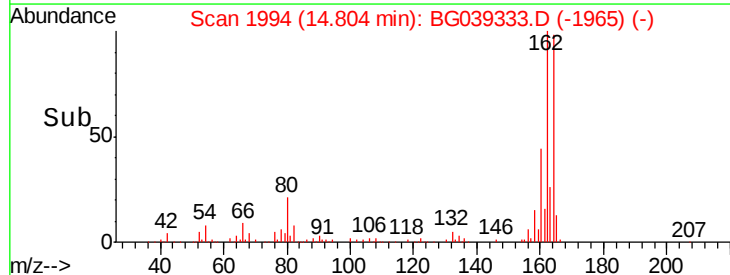
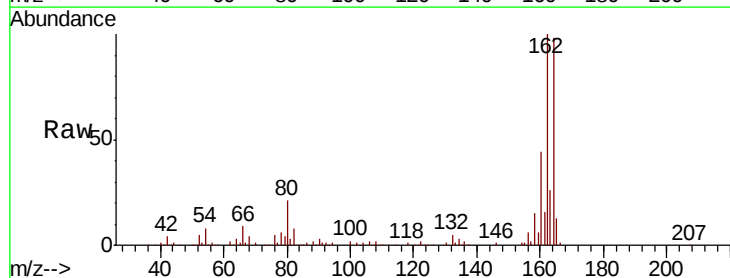
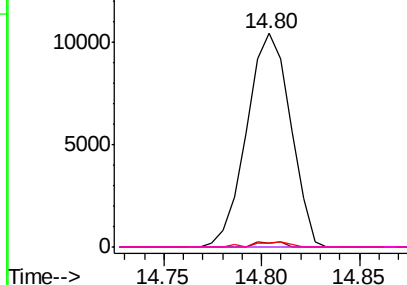
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.6#
89	1.5	64.6	96.8#
182	0.0	2.0	3.0#

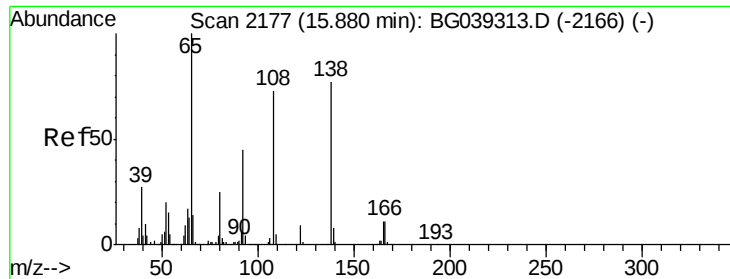
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

4-Nitroaniline

Concen: 4.231 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.40 min

Lab File: BG039333.D

Acq: 30 Jan 2019 18:32

Instrument :

BNA_G

ClientSampleId :

012819-TIPC-E-D-M

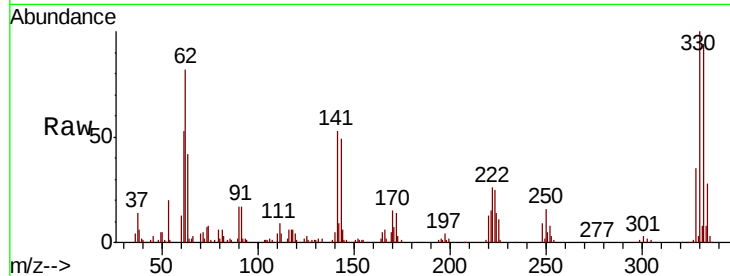
Tgt Ion:138 Resp: 67

Ion Ratio Lower Upper

138 100

92 767.7 38.7 78.7#

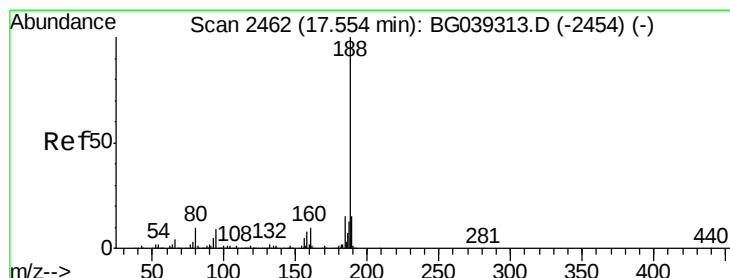
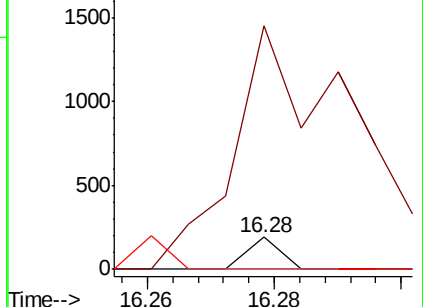
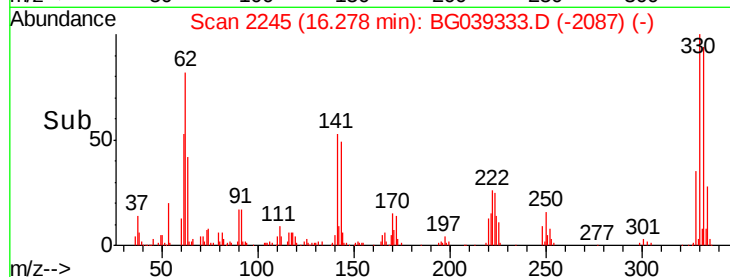
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039333.D

Acq: 30 Jan 2019 18:32

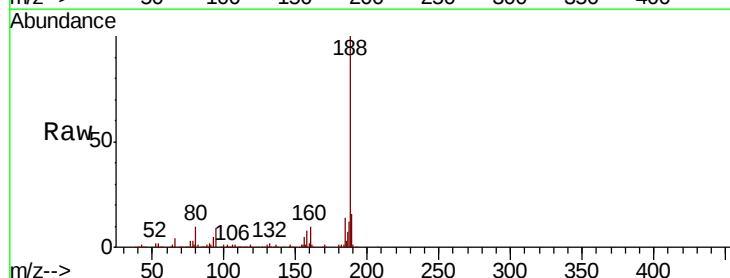
Tgt Ion:188 Resp: 310134

Ion Ratio Lower Upper

188 100

94 9.0 6.9 10.3

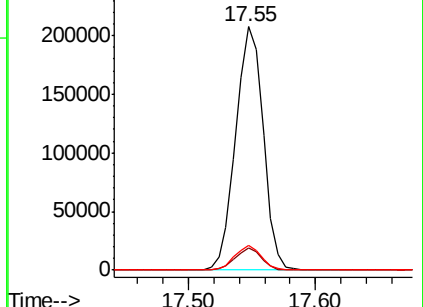
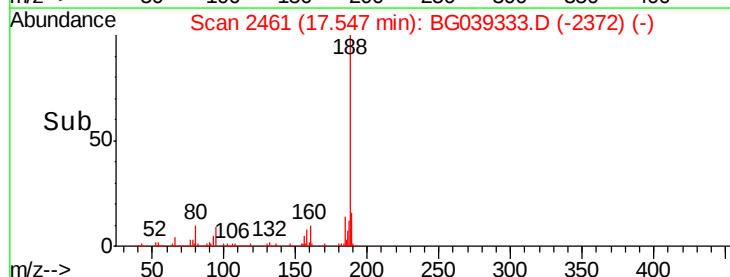
80 10.4 8.1 12.1

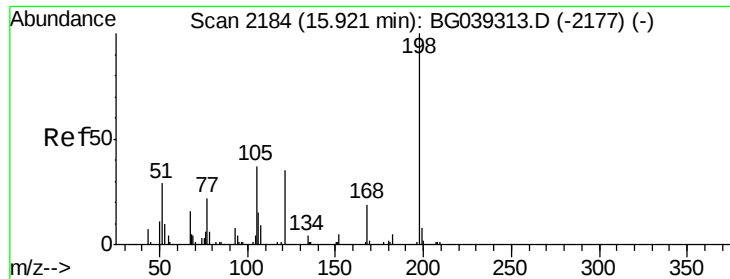


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

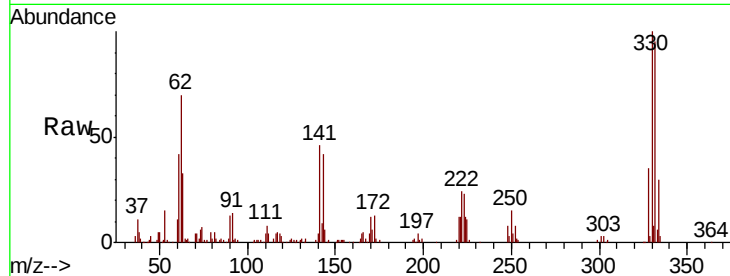




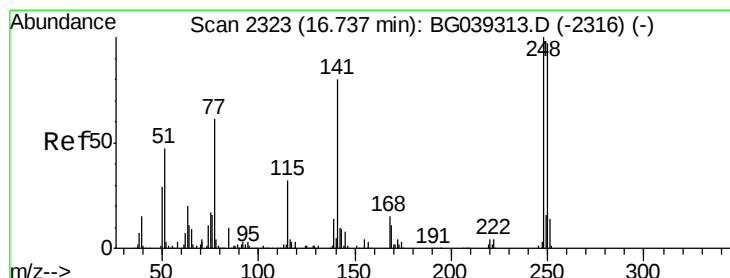
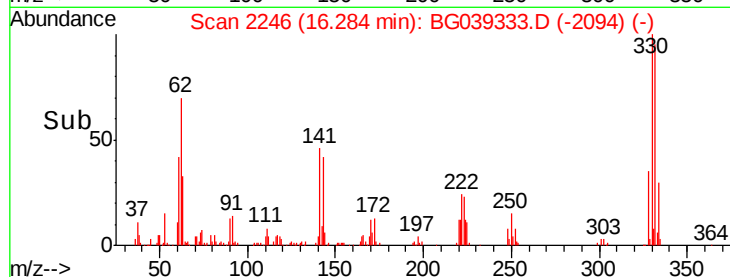
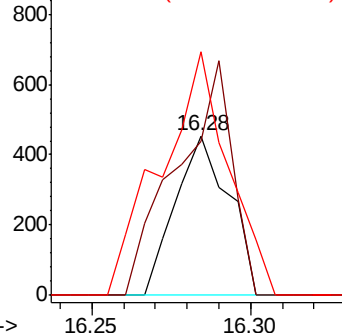
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.722 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039333.D
 Acq: 30 Jan 2019 18:32

Instrument :
 BNA_G
 ClientSampleId :
 012819-TIPC-E-D-M

Tgt Ion:198 Resp: 530
 Ion Ratio Lower Upper
 198 100
 51 96.7 27.4 67.4#
 105 152.6 19.7 59.7#

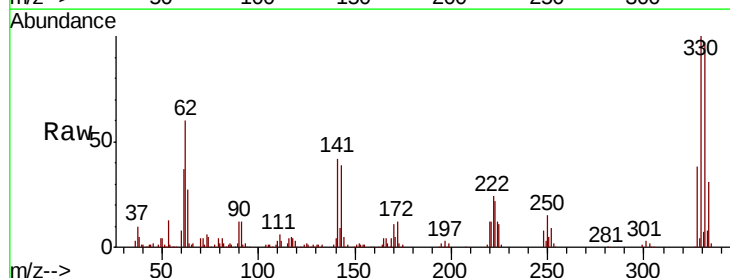


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

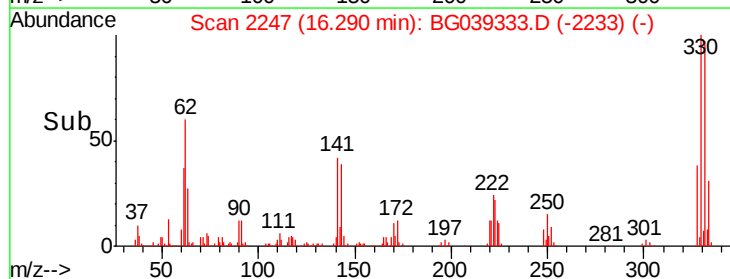
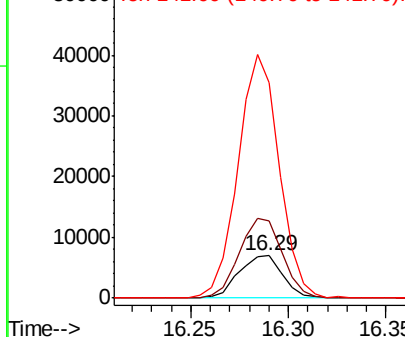


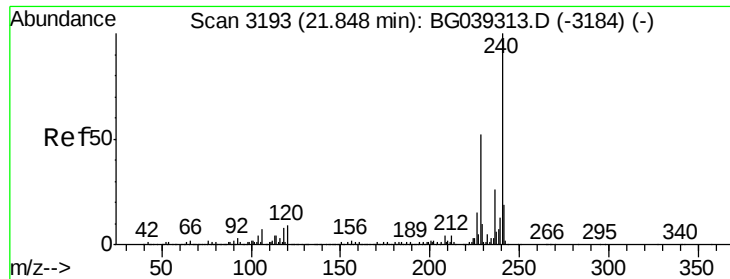
#67
 4-Bromophenyl-phenylether
 Concen: 3.188 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. -0.45 min
 Lab File: BG039333.D
 Acq: 30 Jan 2019 18:32

Tgt Ion:248 Resp: 10967
 Ion Ratio Lower Upper
 248 100
 250 184.7 77.6 116.4#
 141 511.3 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: 21.84 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BG039333.D

Acq: 30 Jan 2019 18:32

Instrument :

BNA_G

ClientSampleId :

012819-TIPC-E-D-M

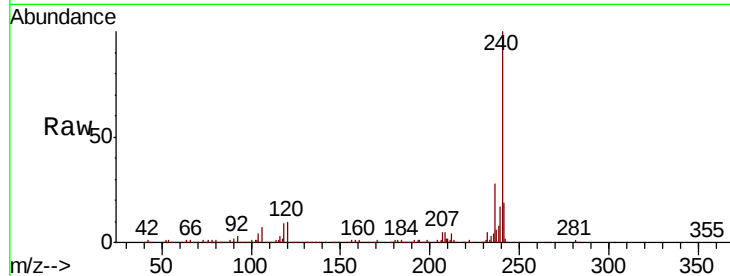
Tgt Ion:240 Resp: 314834

Ion Ratio Lower Upper

240 100

120 9.8 7.0 10.6

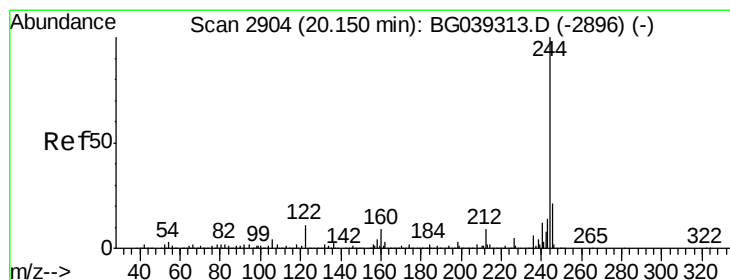
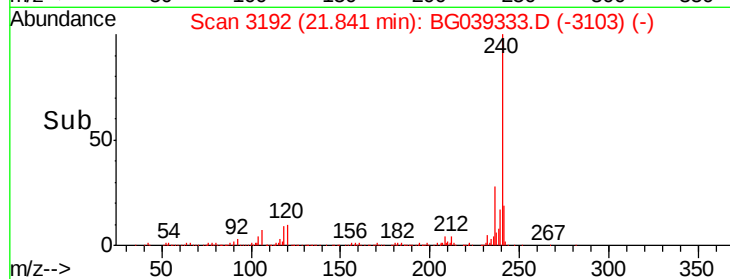
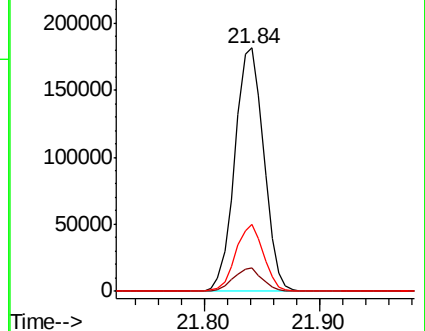
236 27.6 21.0 31.4



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: 69.703 ng

RT: 20.14 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG039333.D

Acq: 30 Jan 2019 18:32

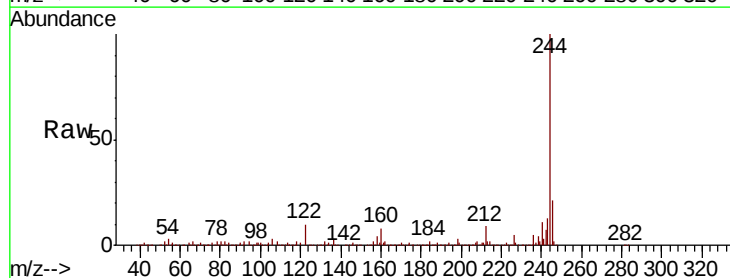
Tgt Ion:244 Resp: 1036755

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

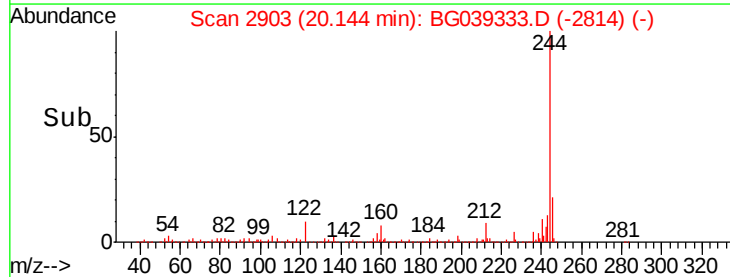
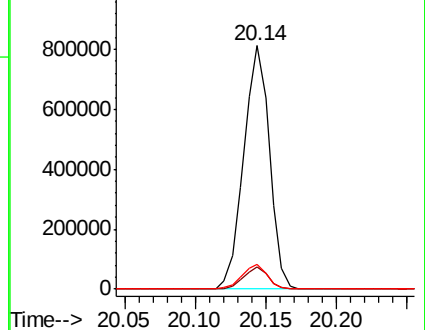
122 9.9 8.4 12.6

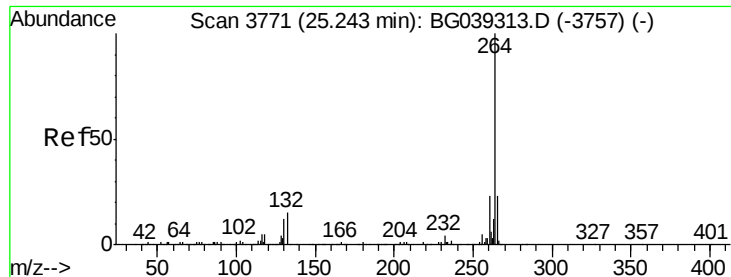


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

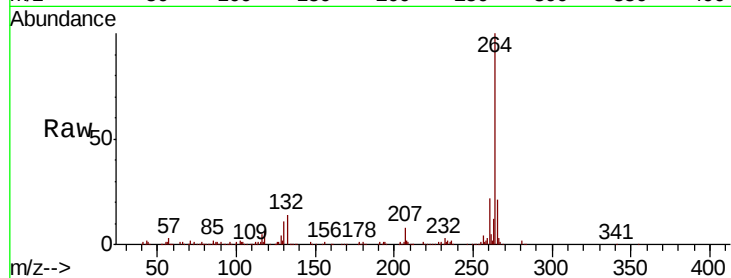




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.23 min Scan# 3769
Delta R.T. -0.01 min
Lab File: BG039333.D
Acq: 30 Jan 2019 18:32

Instrument :
BNA_G
ClientSampleId :
012819-TIPC-E-D-M

Tgt Ion:	264	Resp:	322403
Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.2	27.4
265	21.1	18.5	27.7



Abundance Ion 264.00 (263.70 to 264.70): E
150000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

