

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020119\
 Data File : BG039346.D
 Acq On : 1 Feb 2019 17:15
 Operator : JU/SJ
 Sample : K1290-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 012919-SIDI-E-U-B

Quant Time: Feb 01 18:05:54 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	49046	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	203601	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	132295	20.00	ng	0.00
64) Phenanthrene-d10	17.54	188	329111	20.00	ng	0.00
76) Chrysene-d12	21.83	240	345936	20.00	ng	-0.02
87) Perylene-d12	25.22	264	352002	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	100480	35.06	ng	0.00
7) Phenol-d6	7.31	99	86689	20.55	ng	0.00
23) Nitrobenzene-d5	9.36	82	351923	107.98	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	124238	87.21	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	875869	94.98	ng	0.00
79) Terphenyl-d14	20.14	244	1268098	77.59	ng	0.00

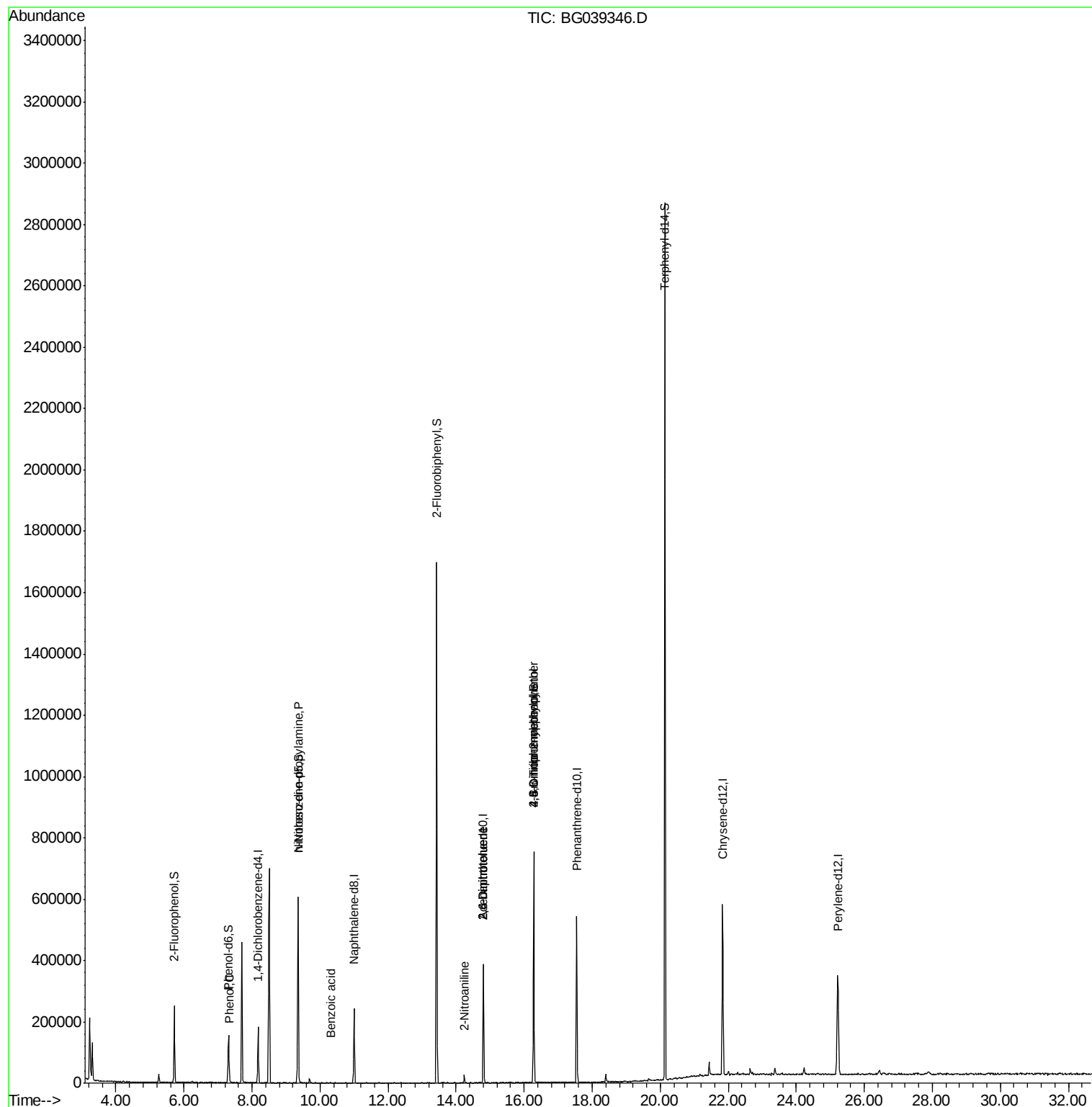
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	76	Below Cal		# 4
10) Phenol	7.33	94	13056	2.969	ng	# 97
19) n-Nitroso-di-n-propylamine	9.35	70	46188	15.427	ng	# 69
32) Benzoic acid	10.33	122	55	9.044	ng	# 1
48) 2-Nitroaniline	14.24	65	74	8.322	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	17608	14.172	ng	# 24
57) 2,4-Dinitrotoluene	14.80	165	17608	13.587	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.29	198	429	4.592	ng	# 21
67) 4-Bromophenyl-phenylether	16.28	248	9867	2.702	ng	# 1

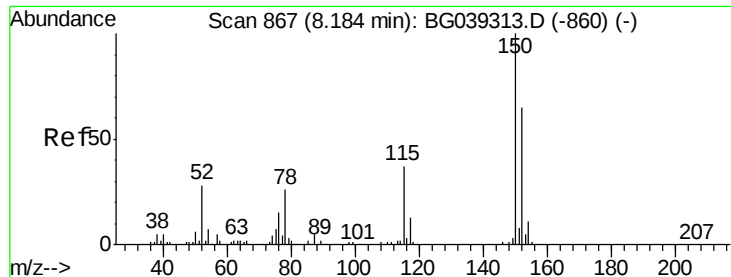
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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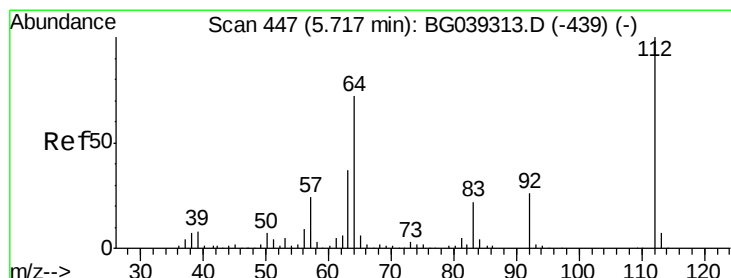
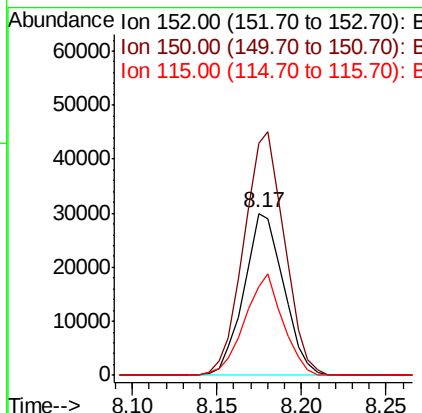
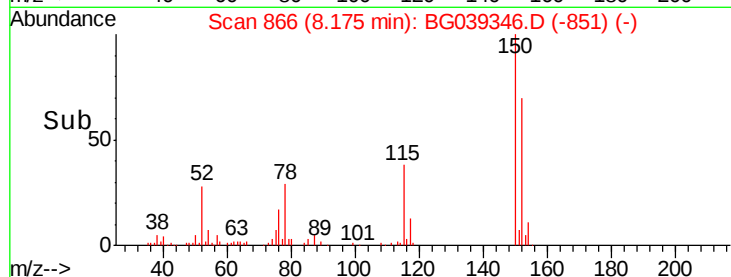
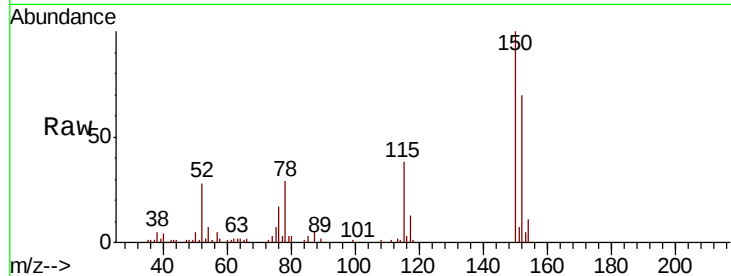


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039346.D
Acq: 1 Feb 2019 17:15

Instrument :
BNA_F
ClientSampleId :
012919-SIDI-E-U-B

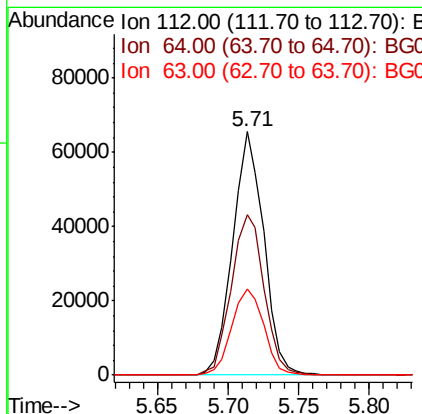
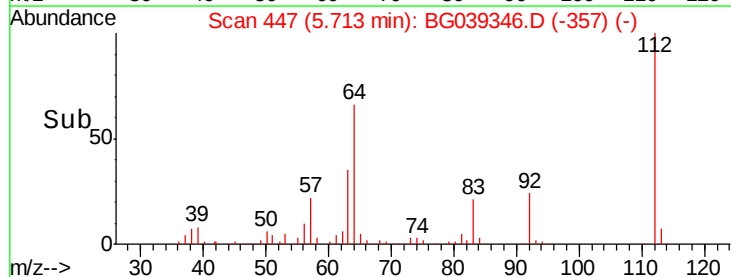
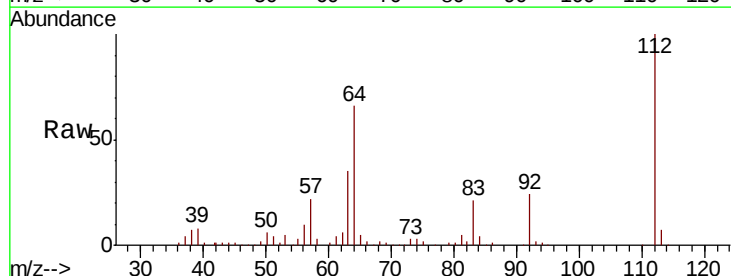
Tot Ion:152 Resp: 49046
Ion Ratio Lower Upper
152 100
150 143.4 123.7 185.5
115 54.5 45.9 68.9

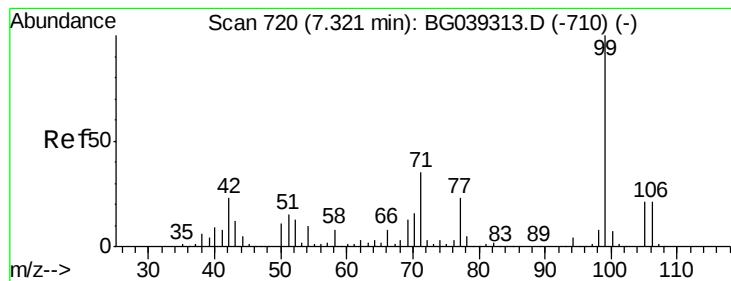


#5

2-Fluorophenol
Concen: 35.063 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039346.D
Acq: 1 Feb 2019 17:15

Tgt Ion:112 Resp: 100480
Ion Ratio Lower Upper
112 100
64 66.1 57.8 86.8
63 35.2 29.8 44.6





#7

Phenol-d6

Concen: 20.551 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

Instrument :

BNA_F

ClientSampleId :

012919-SIDI-E-U-B

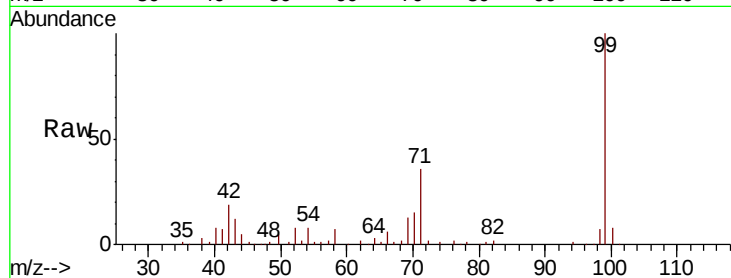
Tot Ion: 99 Resp: 86689

Ion Ratio Lower Upper

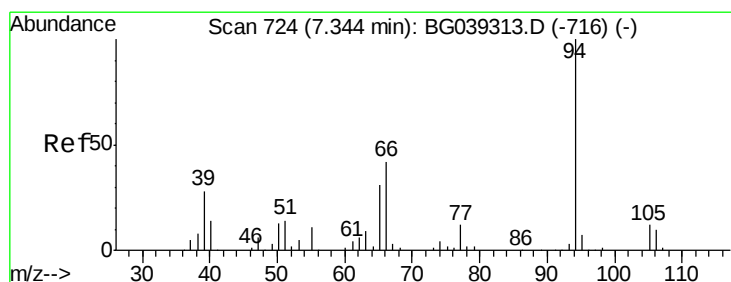
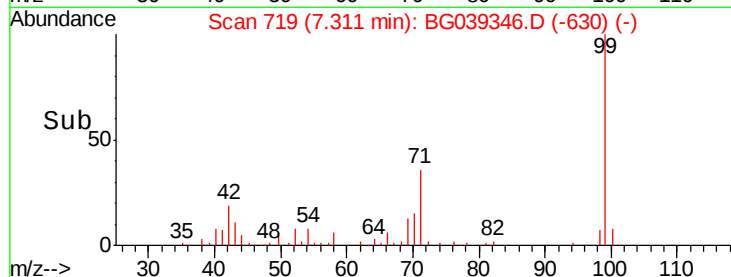
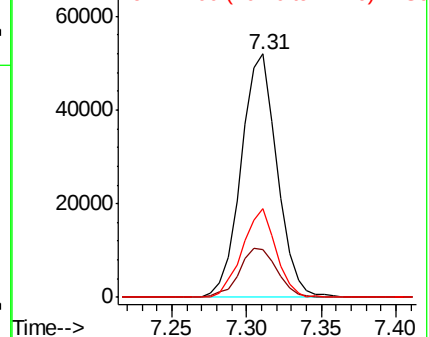
99 100

42 19.4 18.2 27.2

71 36.3 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: 2.969 ng

RT: 7.33 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

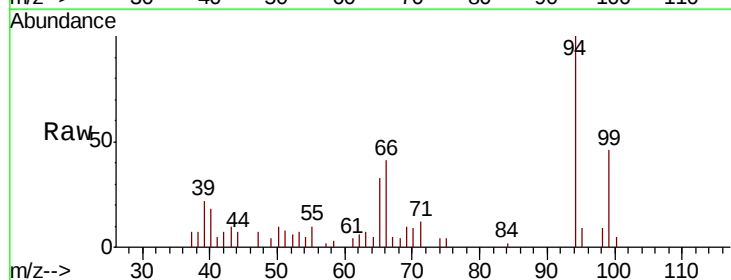
Tgt Ion: 94 Resp: 13056

Ion Ratio Lower Upper

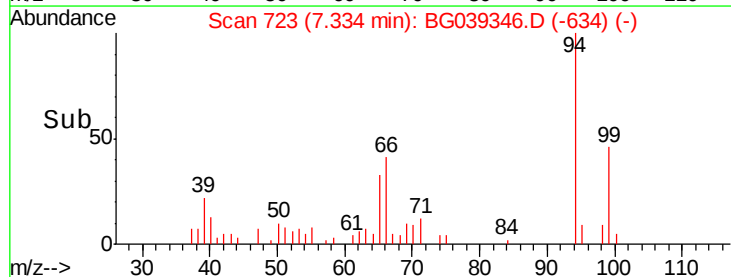
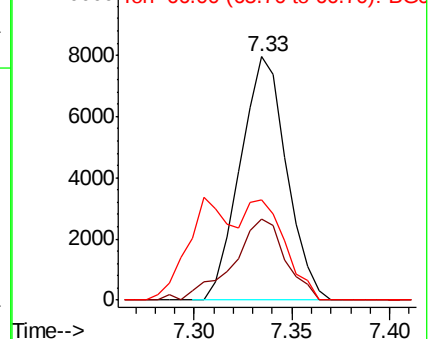
94 100

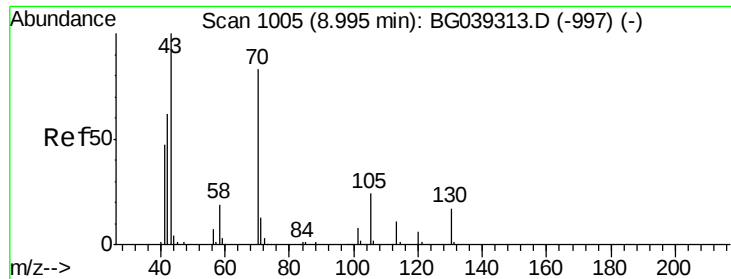
65 33.3 11.7 51.7

66 41.2 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

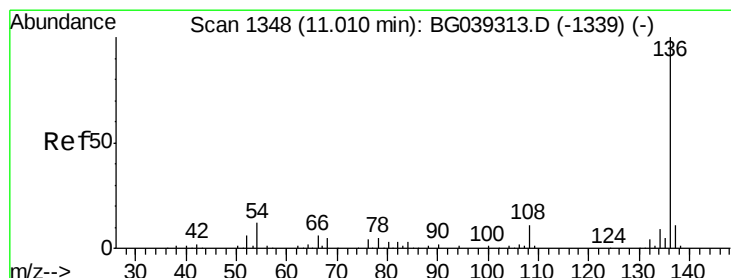
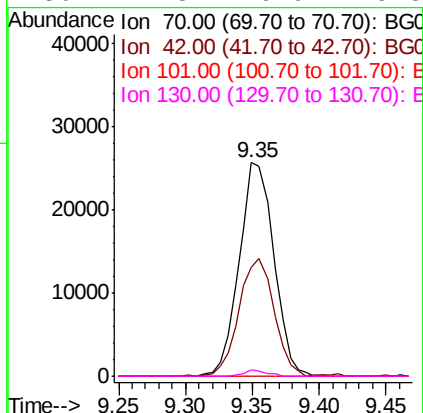
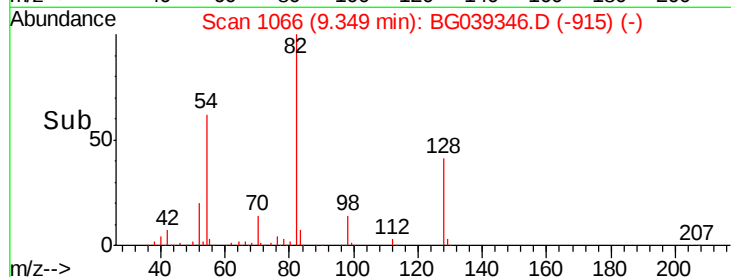
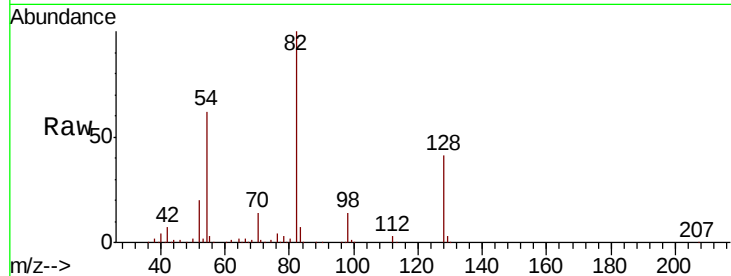




#19
n-Nitroso-di-n-propylamine
Concen: 15.427 ng
RT: 9.35 min Scan# 1066
Delta R.T. 0.35 min
Lab File: BG039346.D
Acq: 1 Feb 2019 17:15

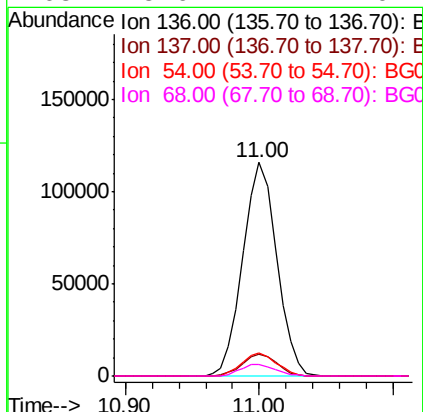
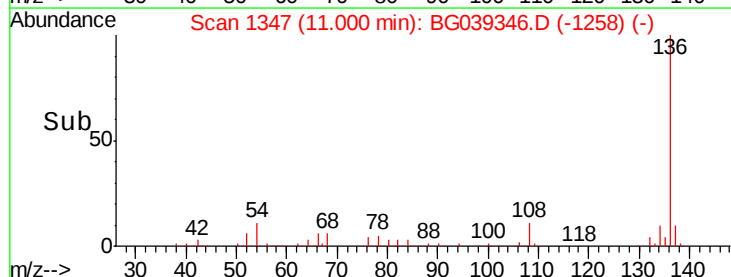
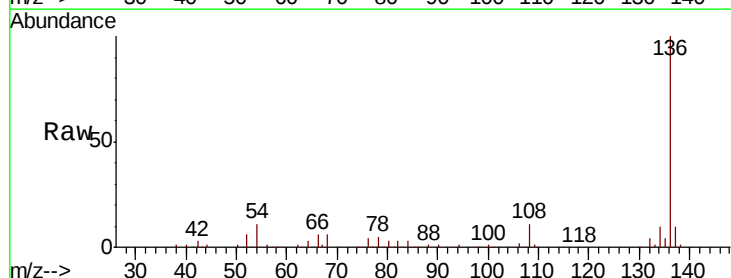
Instrument :
BNA_F
ClientSampleId :
012919-SIDI-E-U-B

Tot Ion: 70 Resp: 46188
Ion Ratio Lower Upper
70 100
42 50.7 60.4 90.6#
101 0.0 7.5 11.3#
130 2.8 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: BG039346.D
Acq: 1 Feb 2019 17:15

Tgt Ion: 136 Resp: 203601
Ion Ratio Lower Upper
136 100
137 10.2 9.1 13.7
54 10.9 9.4 14.2
68 5.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 107.982 ng

RT: 9.36 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

Instrument :

BNA_F

ClientSampleId :

012919-SIDI-E-U-B

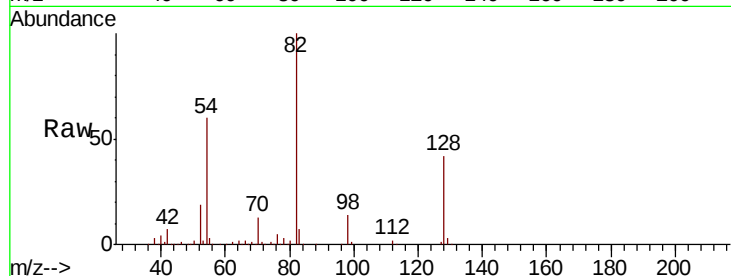
Tot Ion: 82 Resp: 351923

Ion Ratio Lower Upper

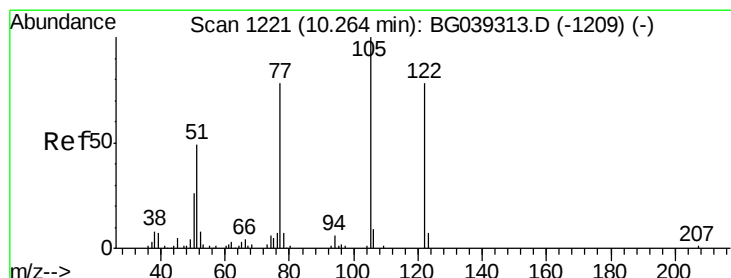
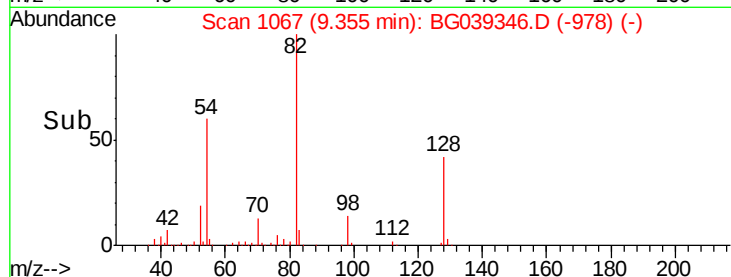
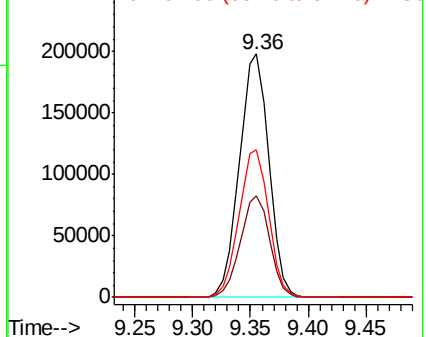
82 100

128 41.7 31.3 46.9

54 60.5 50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#32

Benzoic acid

Concen: 9.044 ng

RT: 10.33 min Scan# 1233

Delta R.T. 0.07 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

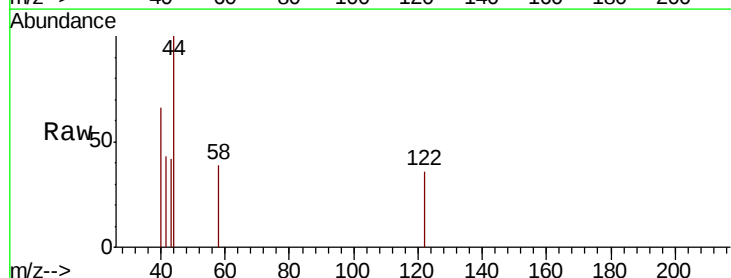
Tgt Ion: 122 Resp: 55

Ion Ratio Lower Upper

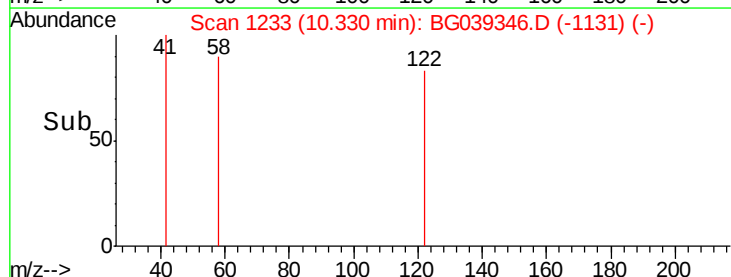
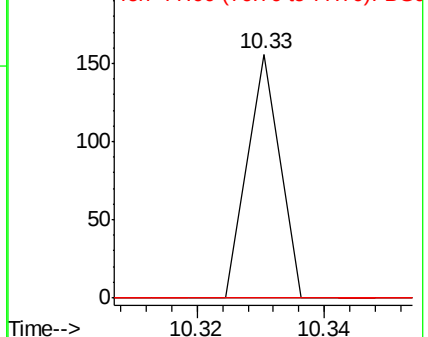
122 100

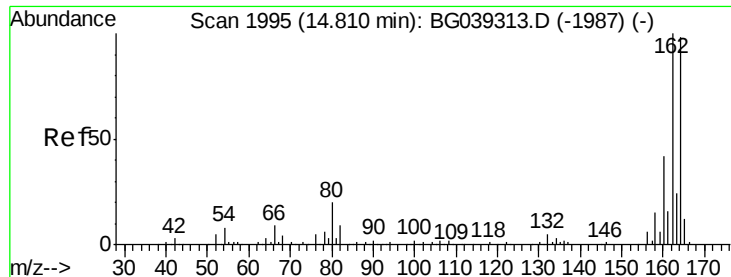
105 0.0 101.8 141.8#

77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

Instrument :

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ClientSampleId :

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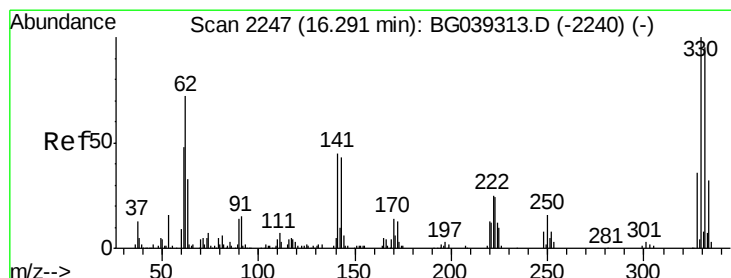
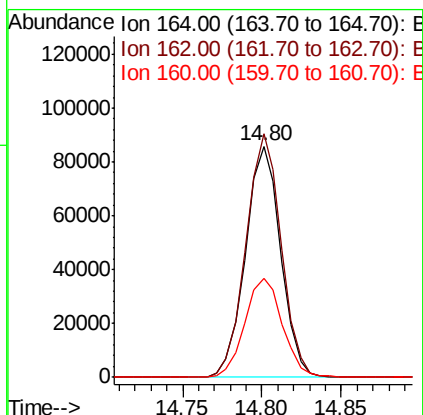
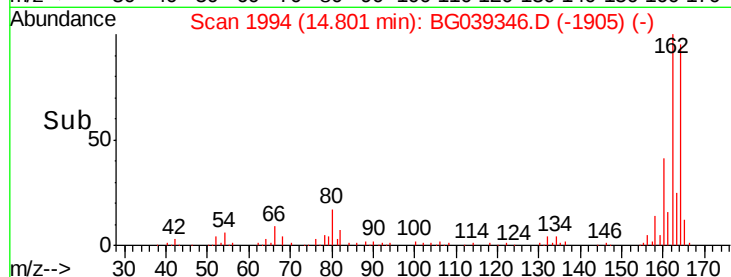
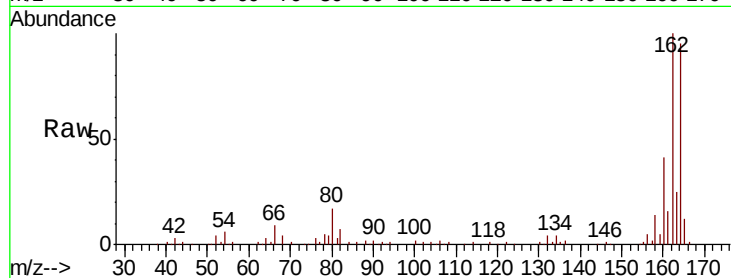
Tot Ion:164 Resp: 132295

Ion Ratio Lower Upper

164 100

162 105.5 81.6 122.4

160 42.9 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 87.210 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

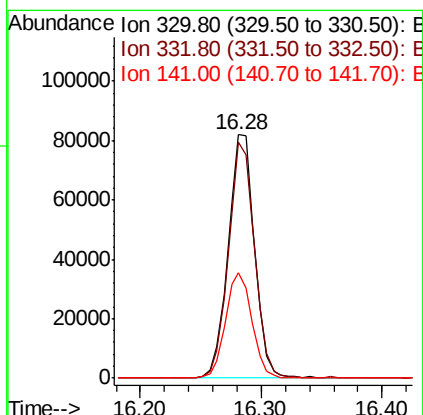
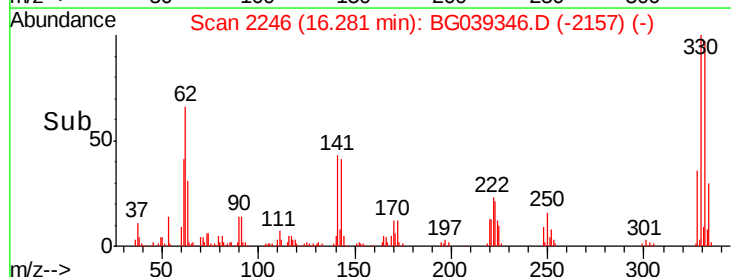
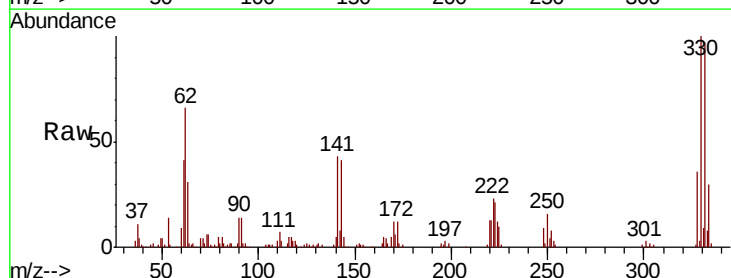
Tgt Ion:330 Resp: 124238

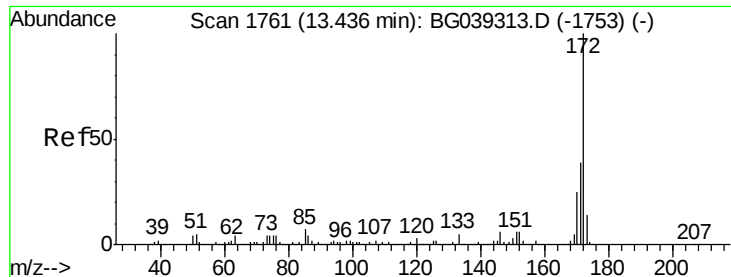
Ion Ratio Lower Upper

330 100

332 95.6 75.7 113.5

141 43.1 35.6 53.4

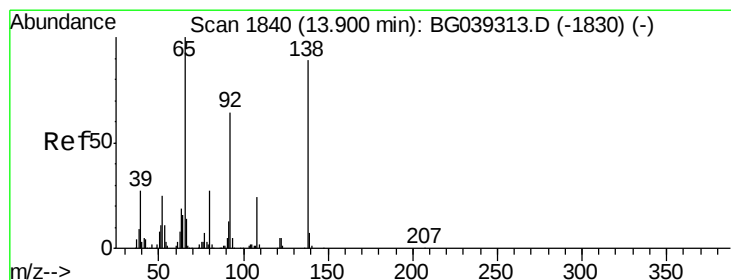
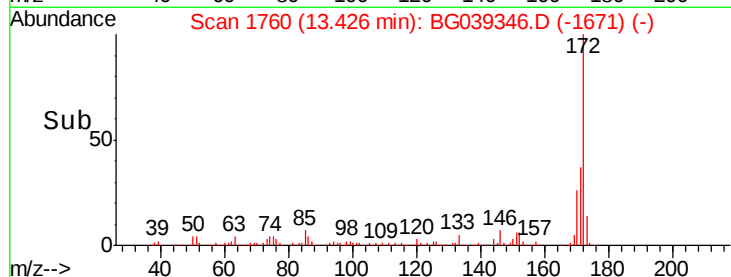
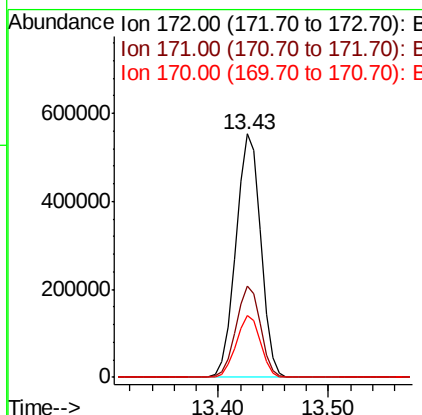
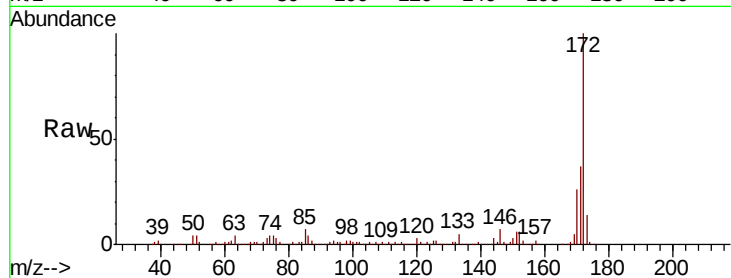




#45
2-Fluorobiphenyl
Concen: 94.975 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BG039346.D
Acq: 1 Feb 2019 17:15

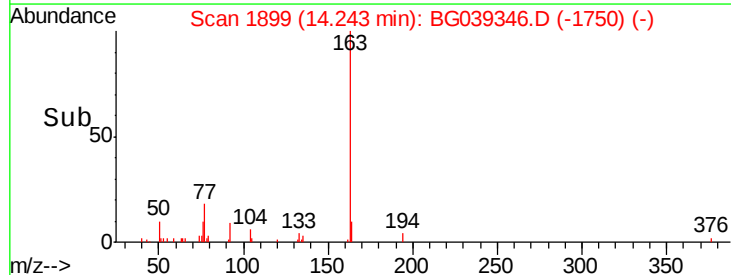
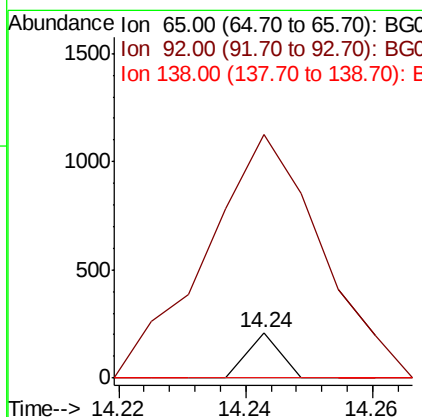
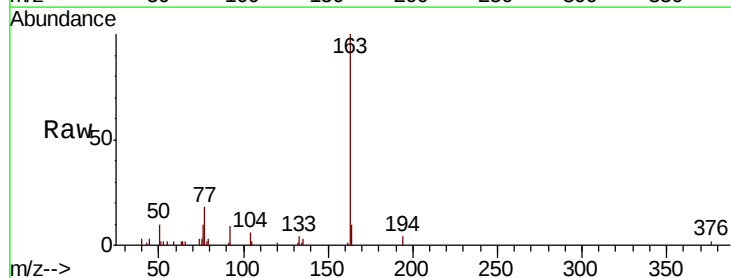
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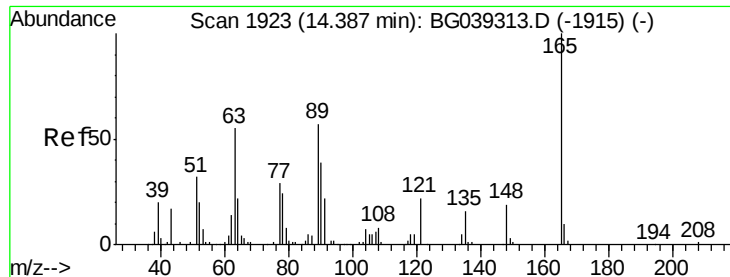
Tot Ion:172 Resp: 875869
Ion Ratio Lower Upper
172 100
171 37.3 30.8 46.2
170 25.6 20.2 30.4



#48
2-Nitroaniline
Concen: 8.322 ng
RT: 14.24 min Scan# 1899
Delta R.T. 0.34 min
Lab File: BG039346.D
Acq: 1 Feb 2019 17:15

Tgt Ion: 65 Resp: 74
Ion Ratio Lower Upper
65 100
92 533.2 51.4 77.2#
138 0.0 71.4 107.2#

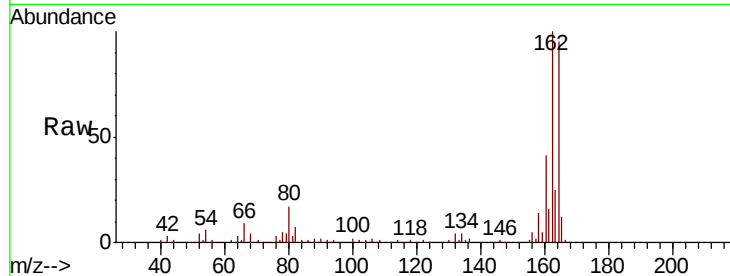




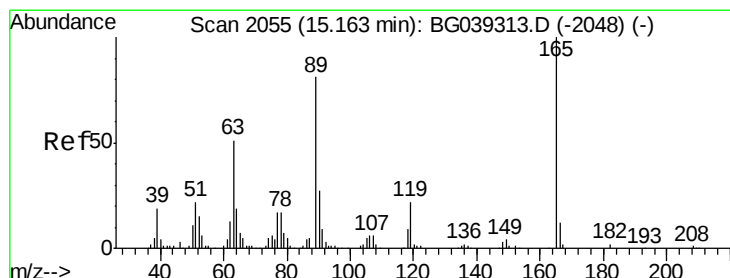
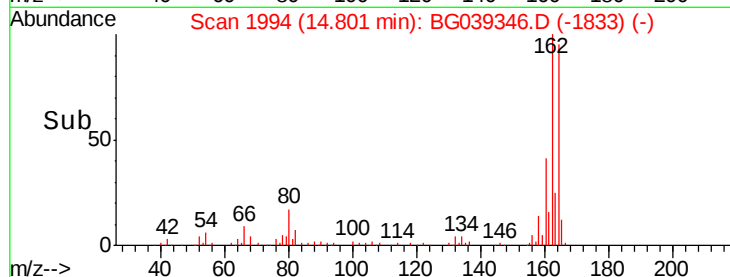
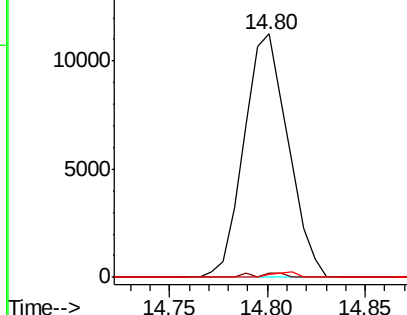
#51
 2,6-Dinitrotoluene
 Concen: 14.172 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. 0.41 min
 Lab File: BG039346.D
 Acq: 1 Feb 2019 17:15

Instrument :
 BNA_F
 ClientSampleId :
 012919-SIDI-E-U-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.0	70.6#
89	1.3	45.8	68.8#



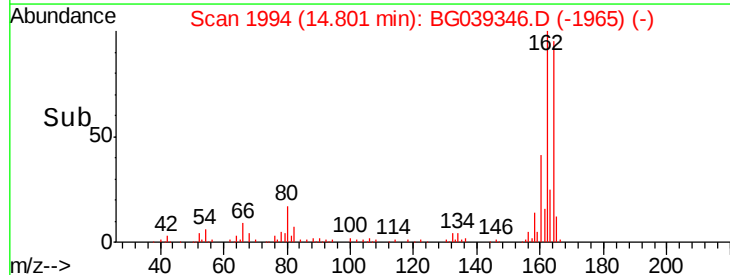
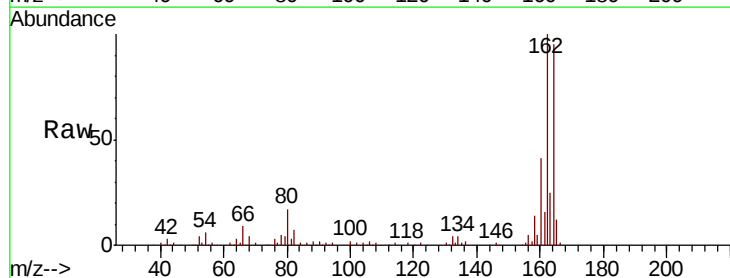
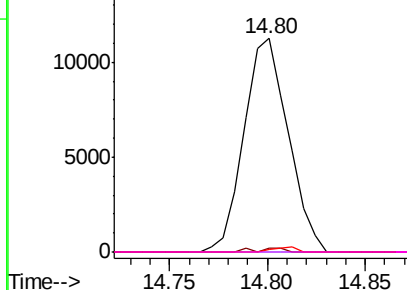
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

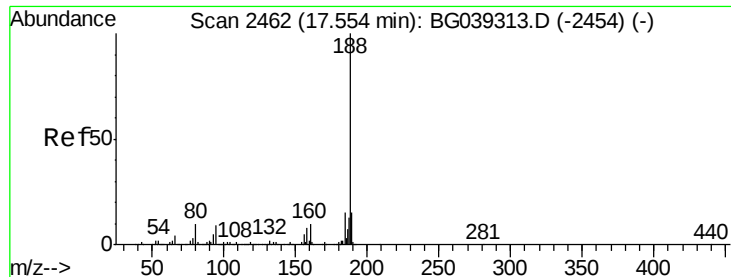


#57
 2,4-Dinitrotoluene
 Concen: 13.587 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. -0.36 min
 Lab File: BG039346.D
 Acq: 1 Feb 2019 17:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.6#
89	1.3	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# 2461

Delta R.T. -0.01 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

Instrument :

BNA_F

ClientSampleId :

012919-SIDI-E-U-B

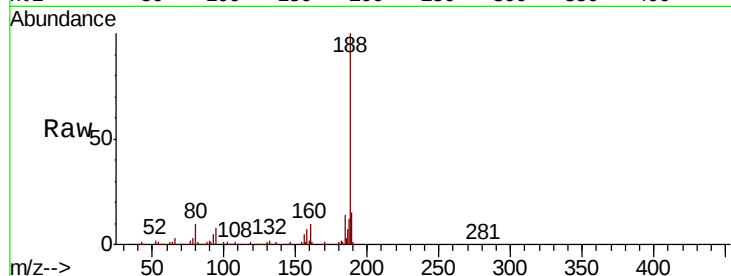
Tot Ion:188 Resp: 329111

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

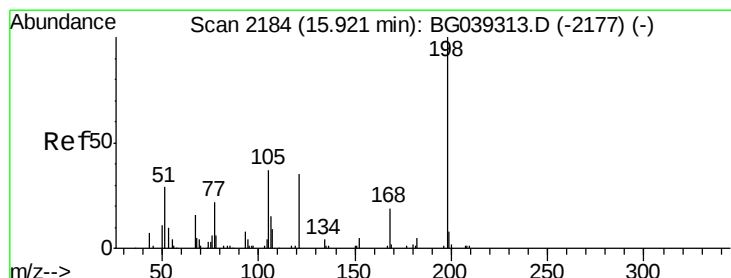
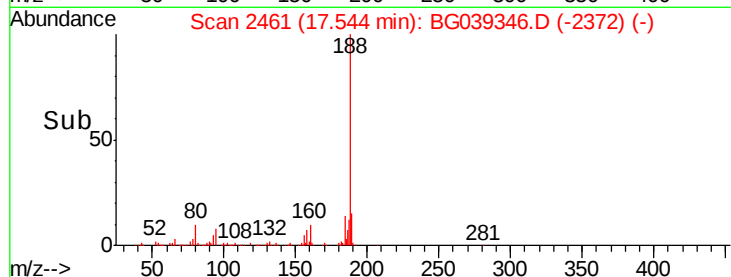
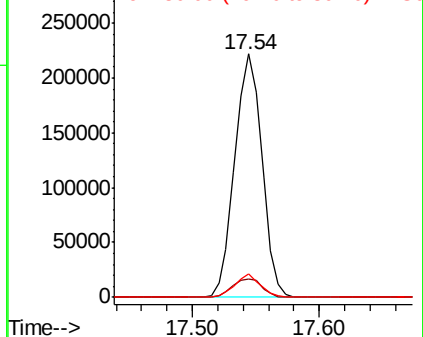
80 9.7 8.1 12.1



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: 4.592 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

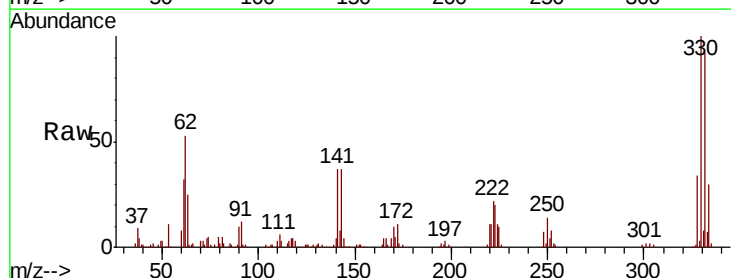
Tgt Ion:198 Resp: 429

Ion Ratio Lower Upper

198 100

51 91.5 27.4 67.4#

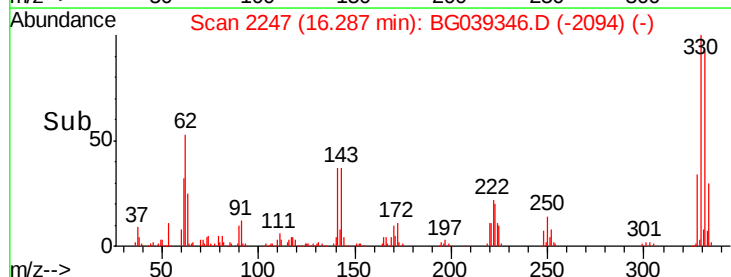
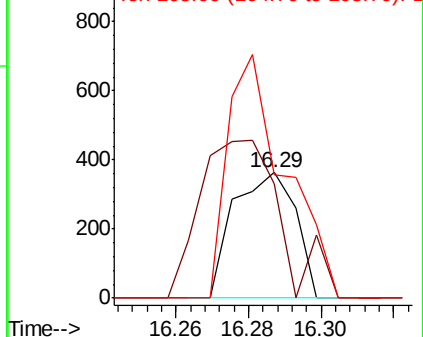
105 98.3 19.7 59.7#

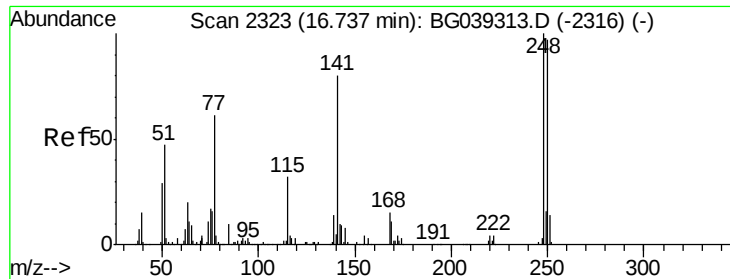


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

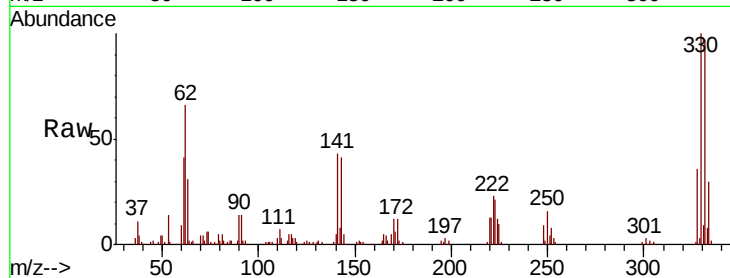




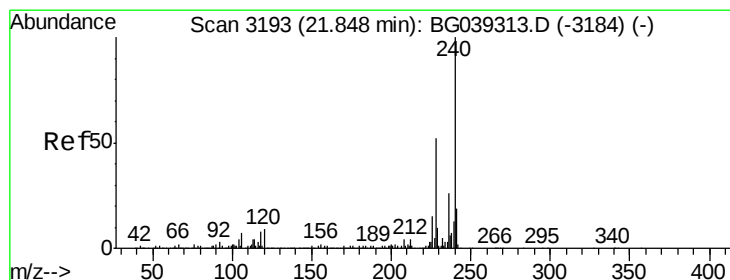
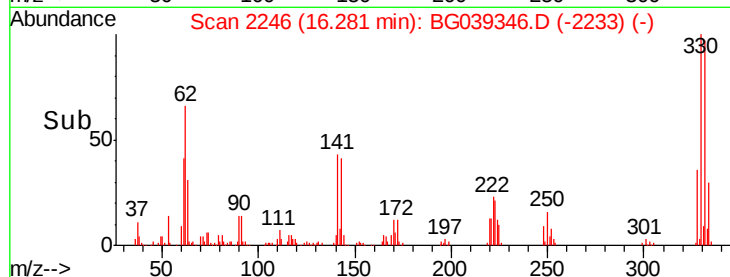
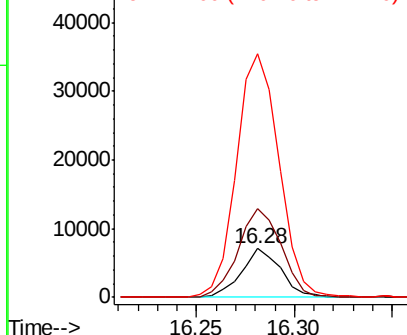
#67
4-Bromophenyl-phenylether
Concen: 2.702 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.46 min
Lab File: BG039346.D
Acq: 1 Feb 2019 17:15

Instrument :
BNA_F
ClientSampleId :
012919-SIDI-E-U-B

Tot Ion:248 Resp: 9867
Ion Ratio Lower Upper
248 100
250 182.1 77.6 116.4#
141 499.6 63.9 95.9#

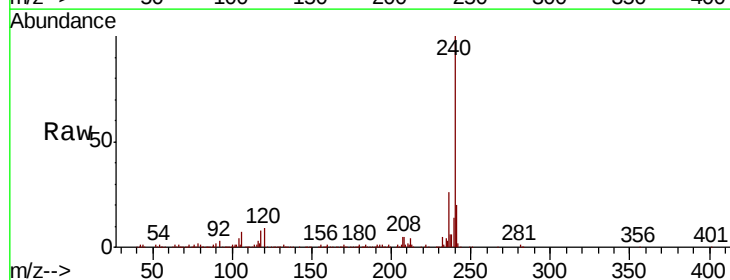


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

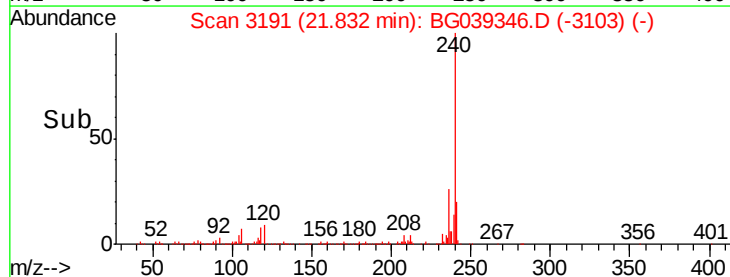
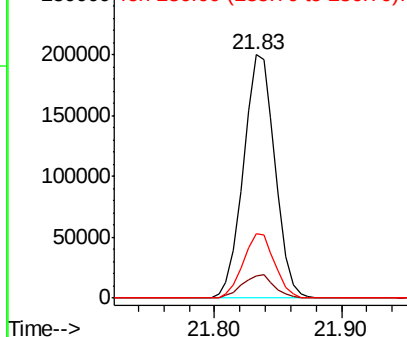


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.02 min
Lab File: BG039346.D
Acq: 1 Feb 2019 17:15

Tgt Ion:240 Resp: 345936
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 26.3 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: 77.591 ng

RT: 20.14 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

Instrument :

BNA_F

ClientSampleId :

012919-SIDI-E-U-B

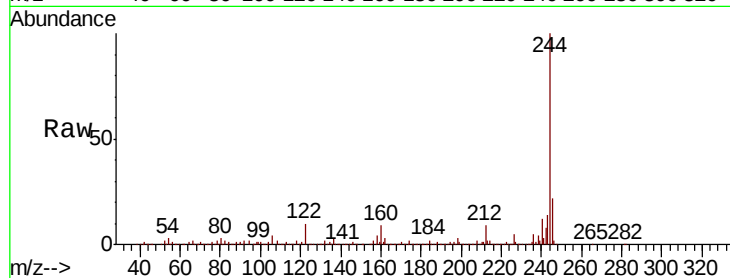
Tot Ion:244 Resp: 1268098

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

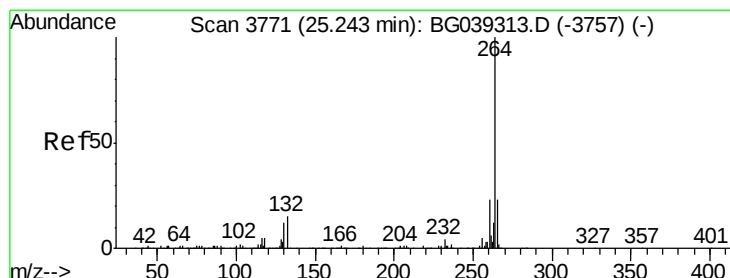
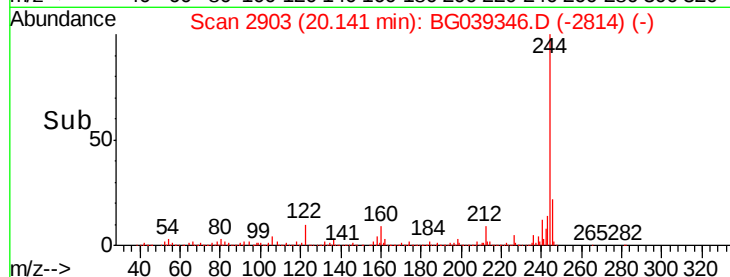
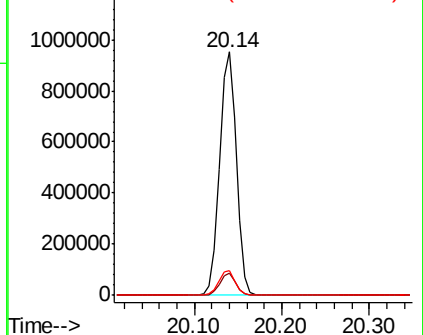
122 10.1 8.4 12.6



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: 25.22 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BG039346.D

Acq: 1 Feb 2019 17:15

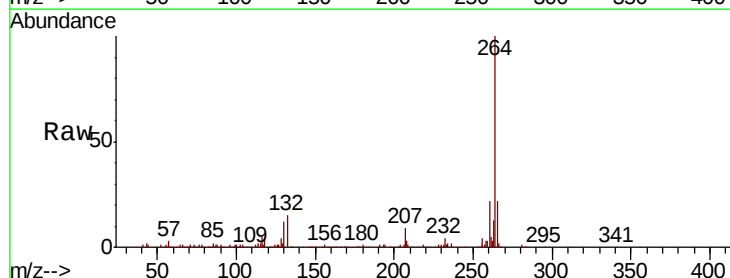
Tgt Ion:264 Resp: 352002

Ion Ratio Lower Upper

264 100

260 22.3 18.2 27.4

265 21.7 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

