

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020119\
 Data File : BG039354.D
 Acq On : 1 Feb 2019 22:30
 Operator : JU/SJ
 Sample : K1307-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 013019-SIDI-E-D-B

Quant Time: Feb 02 01:05:11 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	48828	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	205809	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	138374	20.00	ng	-0.01
64) Phenanthrene-d10	17.55	188	330127	20.00	ng	0.00
76) Chrysene-d12	21.84	240	350281	20.00	ng	-0.01
87) Perylene-d12	25.22	264	352704	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	114916	40.28	ng	0.00
7) Phenol-d6	7.31	99	101079	24.07	ng	-0.01
23) Nitrobenzene-d5	9.36	82	365440	110.93	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	153127	102.77	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	907194	94.05	ng	0.00
79) Terphenyl-d14	20.14	244	1288557	77.87	ng	-0.01

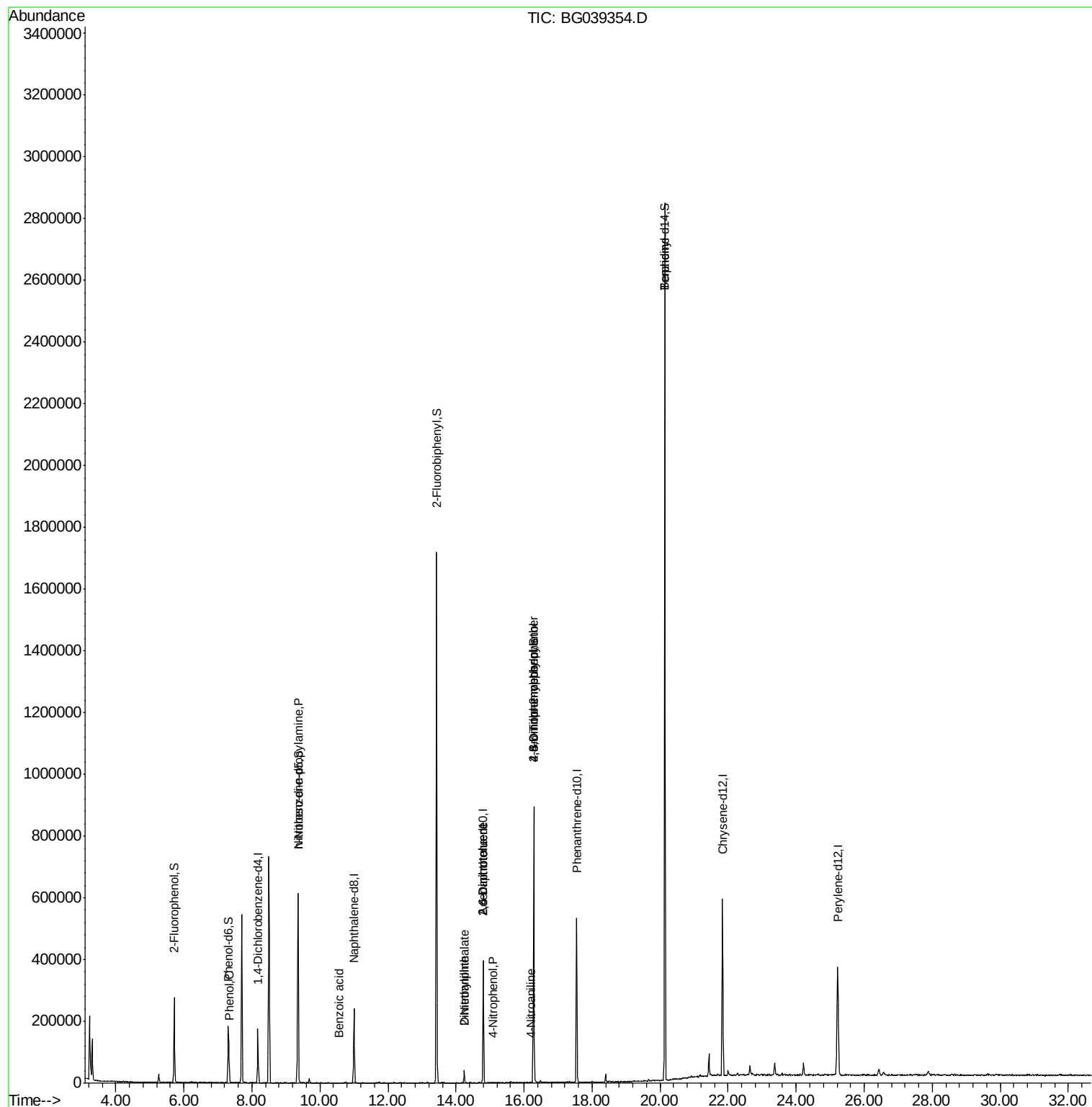
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	163	Below Cal		# 4
10) Phenol	7.34	94	19503	4.455	ng	# 92
19) n-Nitroso-di-n-propylamine	9.36	70	48638	16.318	ng	# 70
32) Benzoic acid	10.57	122	54	9.044	ng	# 1
48) 2-Nitroaniline	14.25	65	245	8.378	ng	# 1
50) Dimethylphthalate	14.25	163	26295	2.353	ng	# 99
51) 2,6-Dinitrotoluene	14.80	165	17823	13.926	ng	# 24
56) 4-Nitrophenol	15.08	139	64	5.823	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	17823	13.401	ng	# 19
62) 4-Nitroaniline	16.20	138	69	4.229	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	482	4.642	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	11848	3.235	ng	# 1
77) Benzidine	20.14	184	23153	2.016	ng	# 95

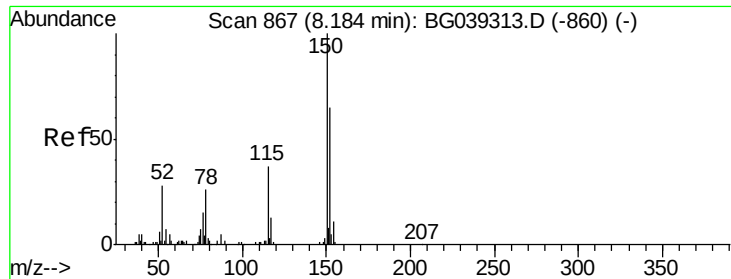
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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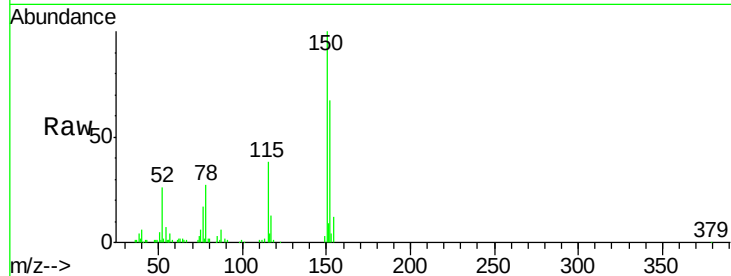


#1

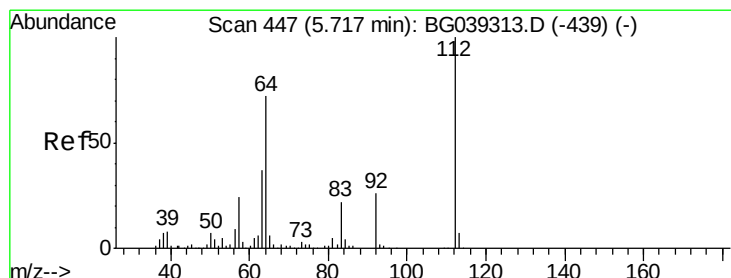
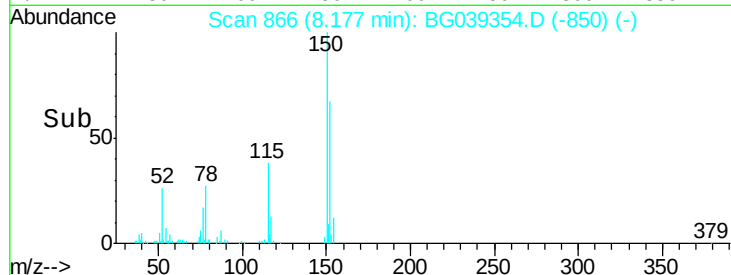
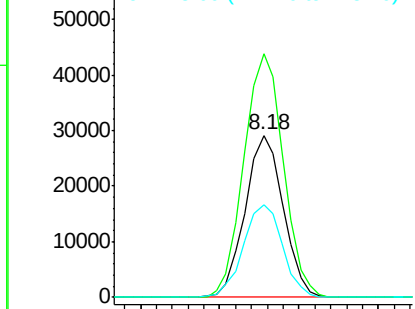
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

Instrument :
BNA_G
ClientSampleId :
013019-SIDI-E-D-B

Tgt Ion:152 Resp: 48828
Ion Ratio Lower Upper
152 100
150 150.1 123.7 185.5
115 56.8 45.9 68.9



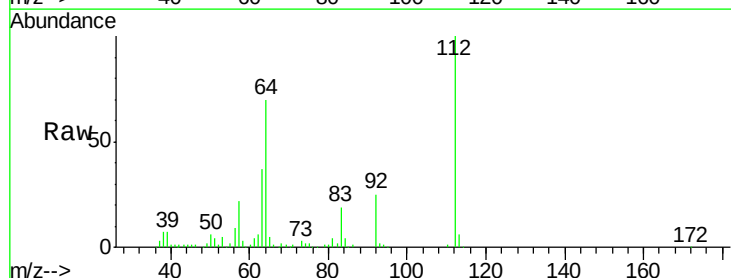
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



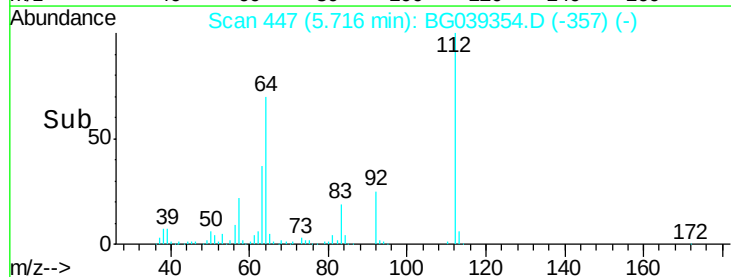
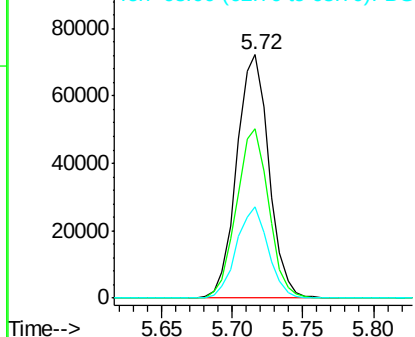
#5

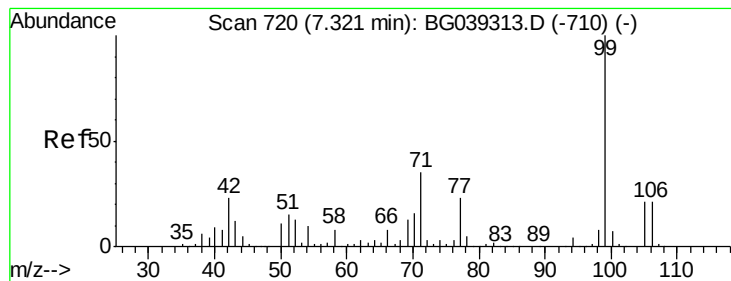
2-Fluorophenol
Concen: 40.280 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

Tgt Ion:112 Resp: 114916
Ion Ratio Lower Upper
112 100
64 69.5 57.8 86.8
63 37.2 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: 24.070 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039354.D

Acq: 1 Feb 2019 22:30

Instrument :

BNA_G

ClientSampleId :

013019-SIDI-E-D-B

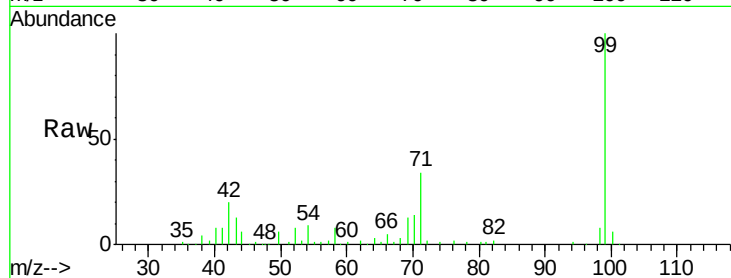
Tgt Ion: 99 Resp: 101079

Ion Ratio Lower Upper

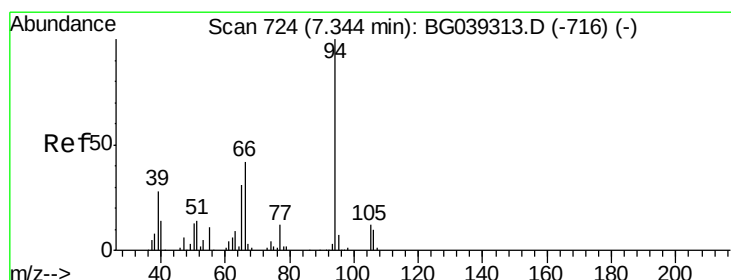
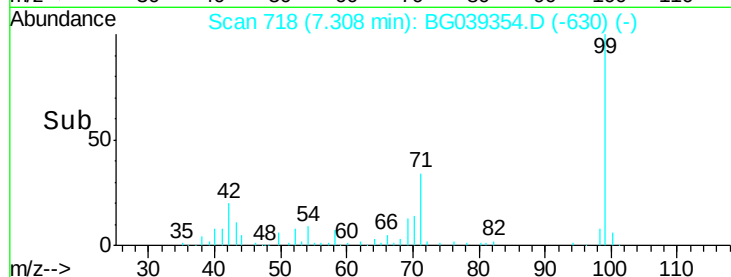
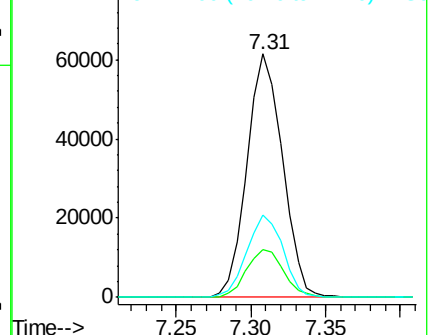
99 100

42 19.8 18.2 27.2

71 33.8 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



#10

Phenol

Concen: 4.455 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039354.D

Acq: 1 Feb 2019 22:30

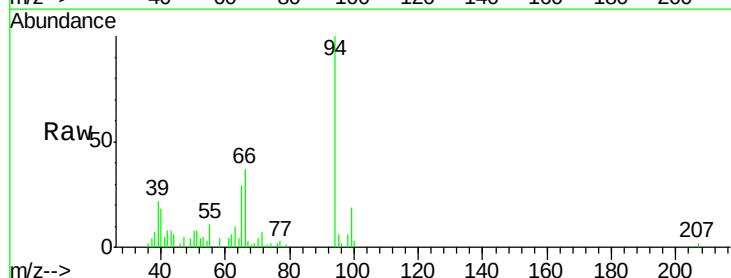
Tgt Ion: 94 Resp: 19503

Ion Ratio Lower Upper

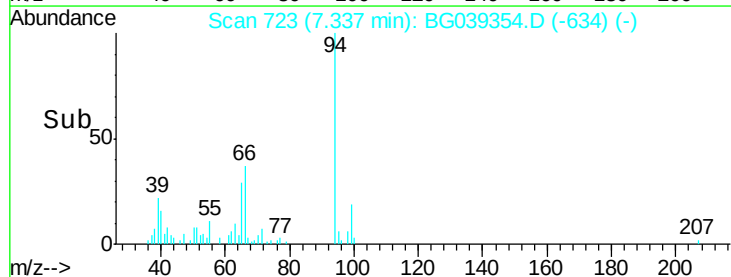
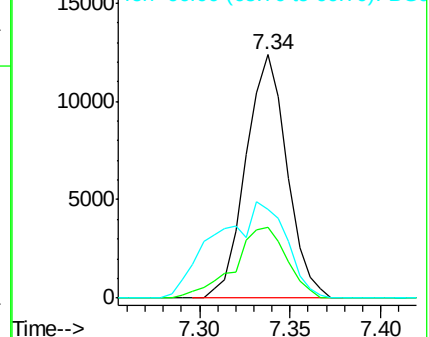
94 100

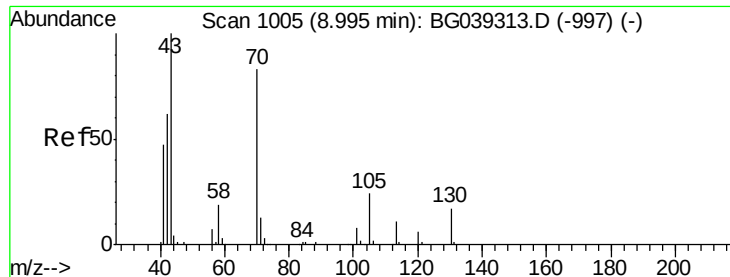
65 29.2 11.7 51.7

66 36.6 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

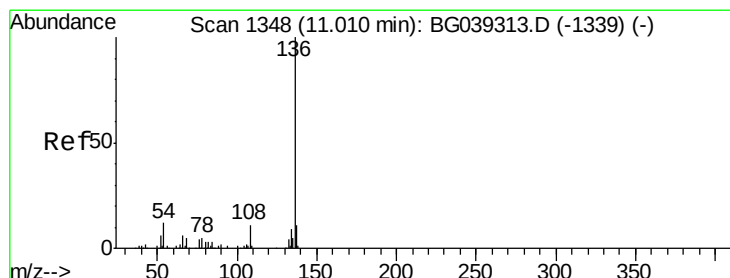
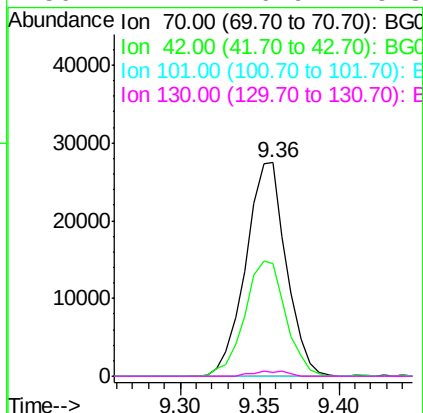
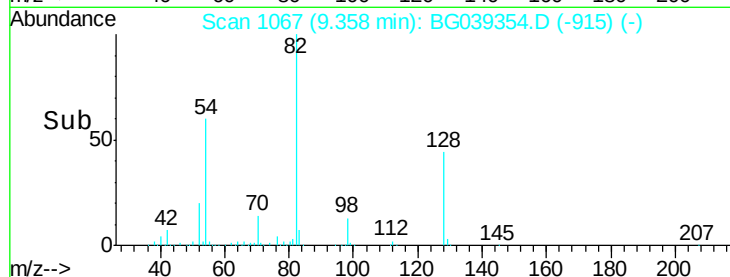
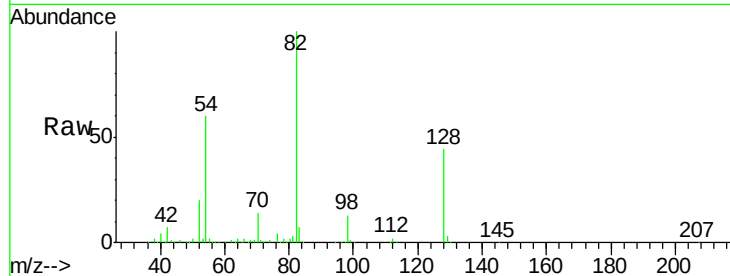




#19
n-Nitroso-di-n-propylamine
Concen: 16.318 ng
RT: 9.36 min Scan# 1067
Delta R.T. 0.36 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

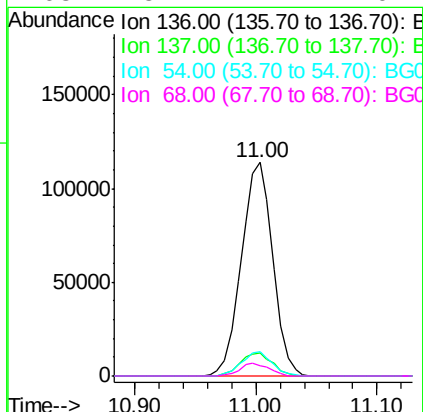
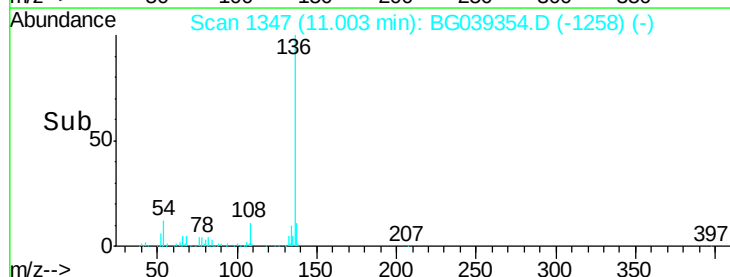
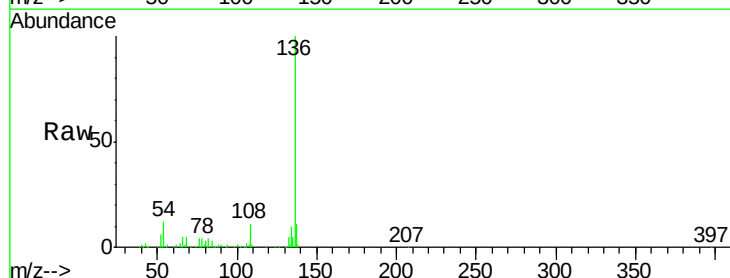
Instrument :
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013019-SIDI-E-D-B

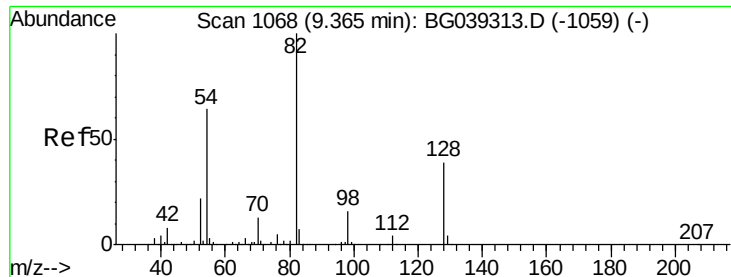
Tgt Ion: 70 Resp: 48638
Ion Ratio Lower Upper
70 100
42 52.5 60.4 90.6#
101 0.0 7.5 11.3#
130 2.1 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

Tgt Ion: 136 Resp: 205809
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 11.5 9.4 14.2
68 5.1 4.2 6.4

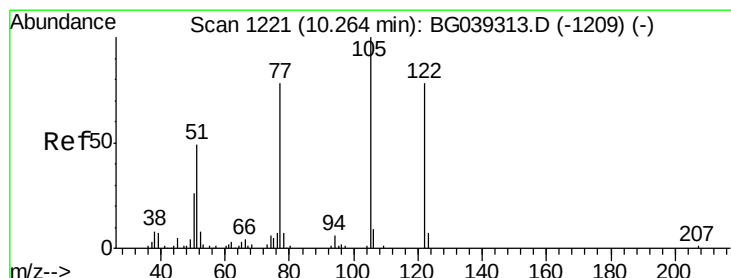
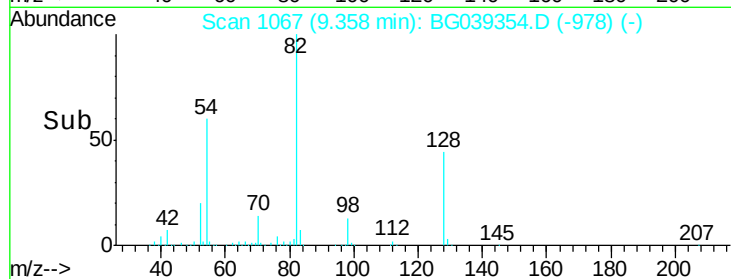
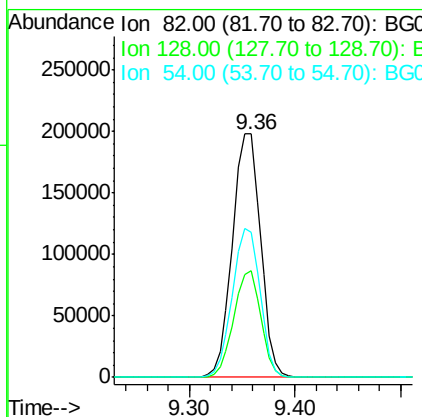
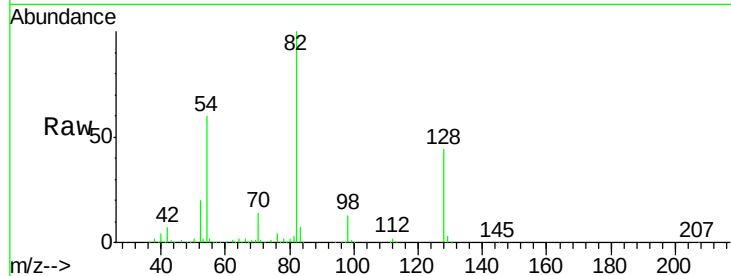




#23
 Nitrobenzene-d5
 Concen: 110.926 ng
 RT: 9.36 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: BG039354.D
 Acq: 1 Feb 2019 22:30

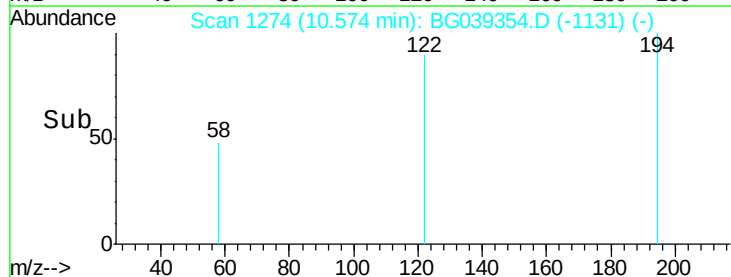
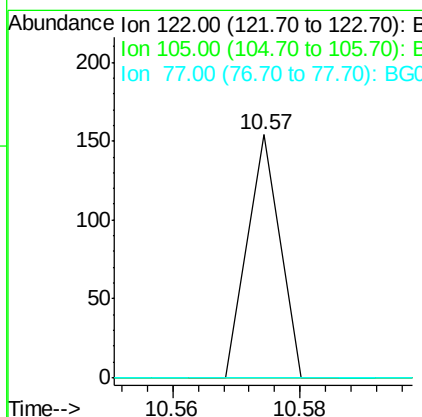
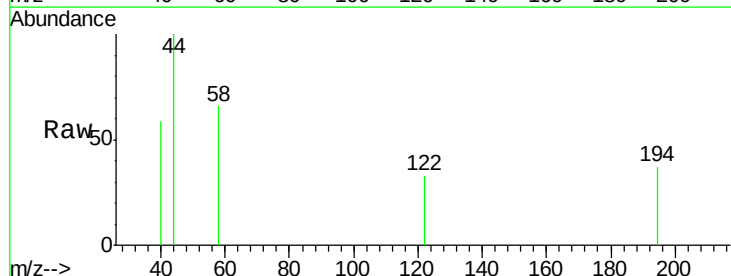
Instrument :
 BNA_G
 ClientSampleId :
 013019-SIDI-E-D-B

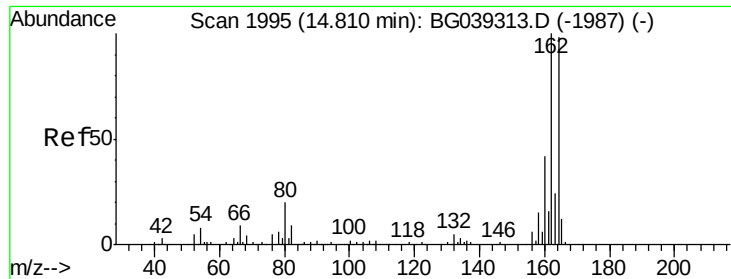
Tgt Ion: 82 Resp: 365440
 Ion Ratio Lower Upper
 82 100
 128 43.7 31.3 46.9
 54 59.7 50.9 76.3



#32
 Benzoic acid
 Concen: 9.044 ng
 RT: 10.57 min Scan# 1274
 Delta R.T. 0.31 min
 Lab File: BG039354.D
 Acq: 1 Feb 2019 22:30

Tgt Ion: 122 Resp: 54
 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: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039354.D

Acq: 1 Feb 2019 22:30

Instrument :

BNA_G

ClientSampleId :

013019-SIDI-E-D-B

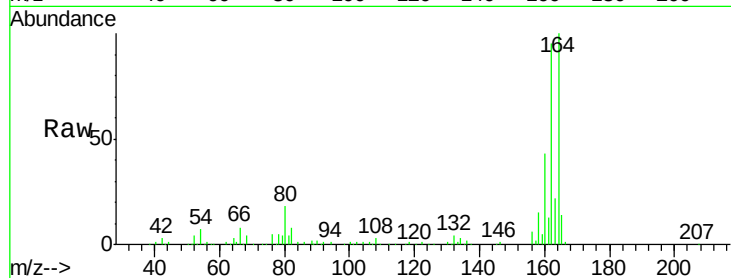
Tgt Ion:164 Resp: 138374

Ion Ratio Lower Upper

164 100

162 94.9 81.6 122.4

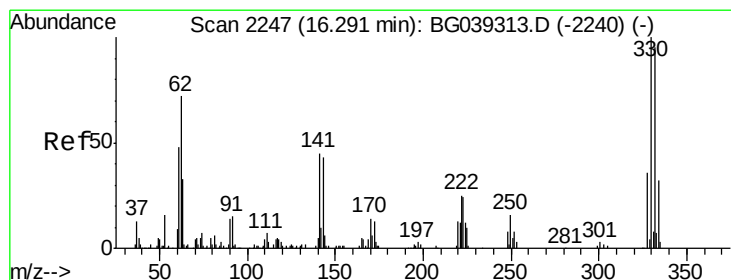
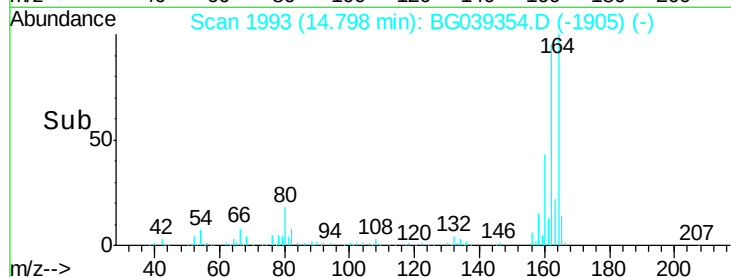
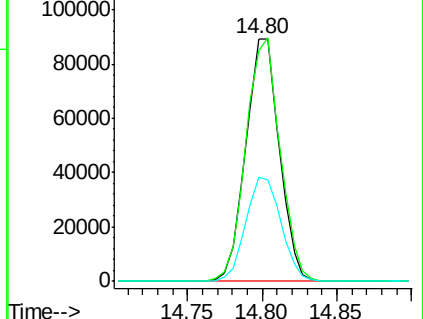
160 43.0 34.2 51.2



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: 102.766 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039354.D

Acq: 1 Feb 2019 22:30

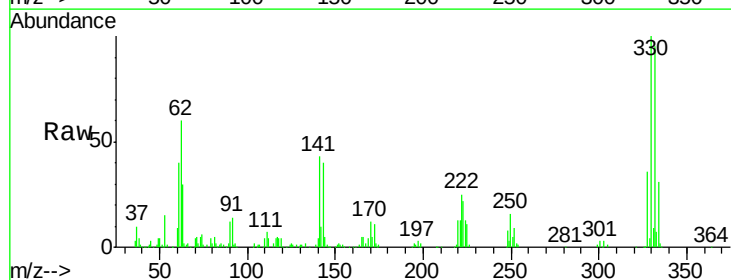
Tgt Ion:330 Resp: 153127

Ion Ratio Lower Upper

330 100

332 94.2 75.7 113.5

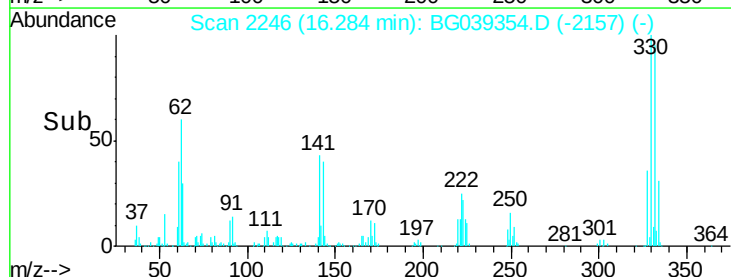
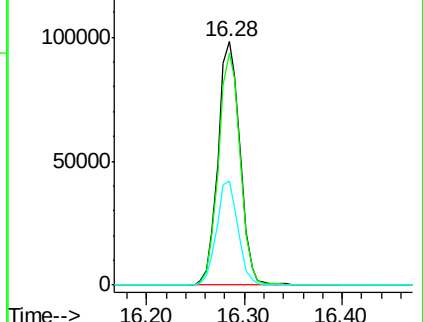
141 41.5 35.6 53.4

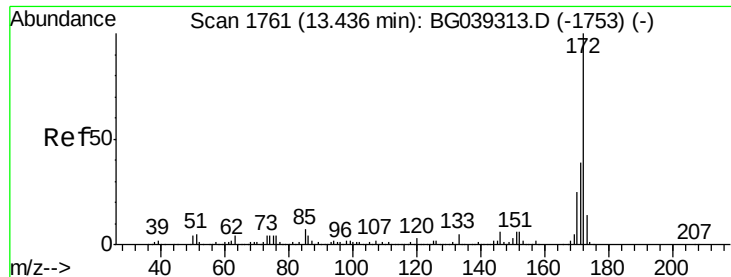


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

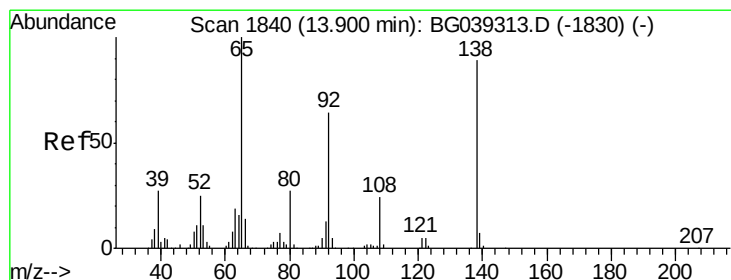
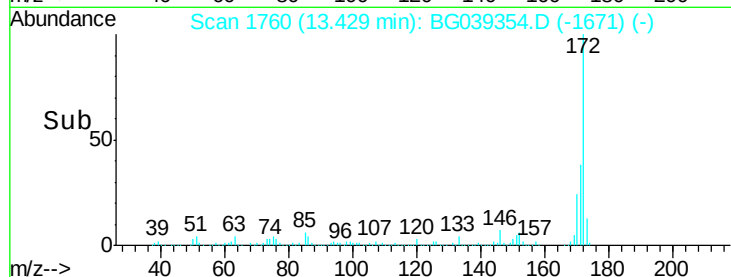
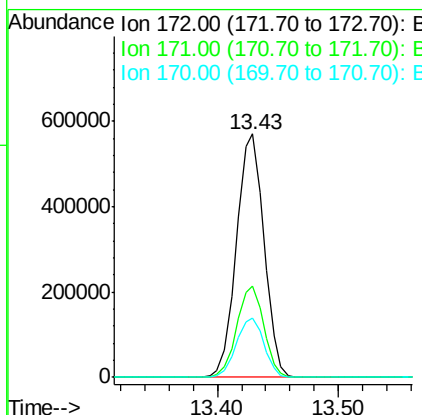
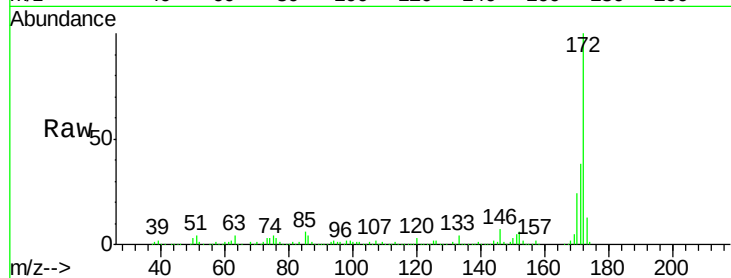




#45
2-Fluorobiphenyl
Concen: 94.051 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

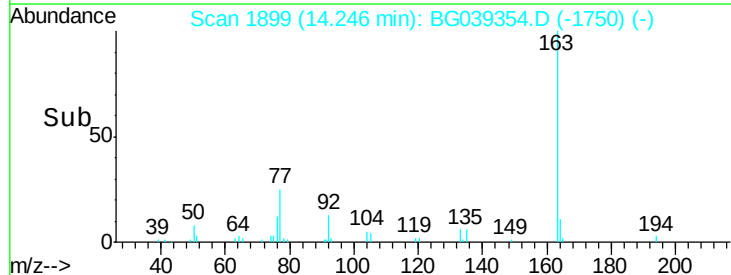
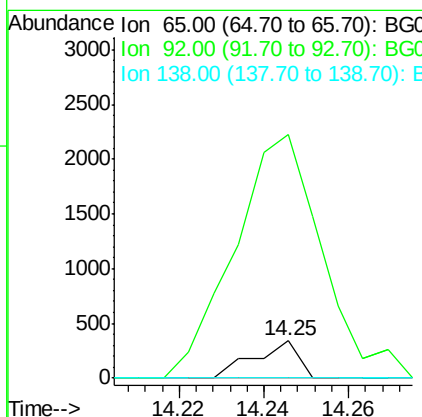
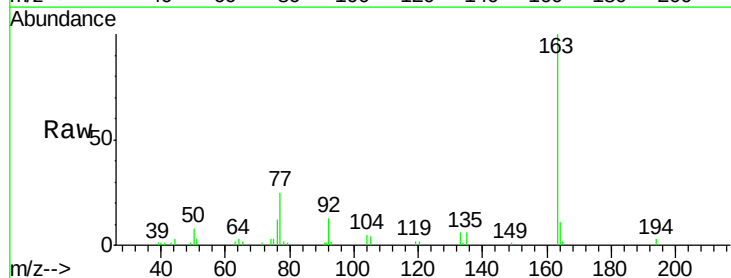
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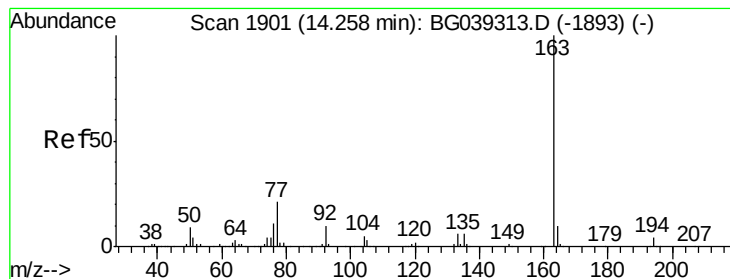
Tgt Ion:172 Resp: 907194
Ion Ratio Lower Upper
172 100
171 37.7 30.8 46.2
170 24.4 20.2 30.4



#48
2-Nitroaniline
Concen: 8.378 ng
RT: 14.25 min Scan# 1899
Delta R.T. 0.35 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

Tgt Ion: 65 Resp: 245
Ion Ratio Lower Upper
65 100
92 656.0 51.4 77.2#
138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 2.353 ng

RT: 14.25 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BG039354.D

Acq: 1 Feb 2019 22:30

Instrument :

BNA_G

ClientSampleId :

013019-SIDI-E-D-B

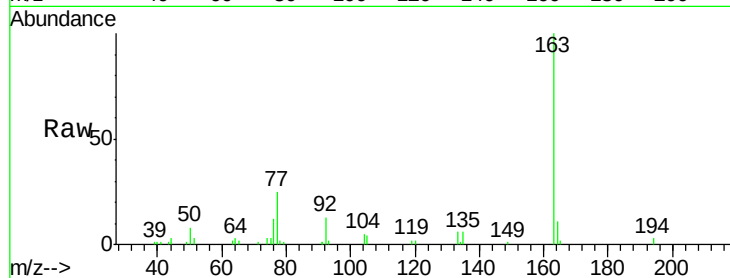
Tgt Ion:163 Resp: 26295

Ion Ratio Lower Upper

163 100

194 3.5 3.6 5.4#

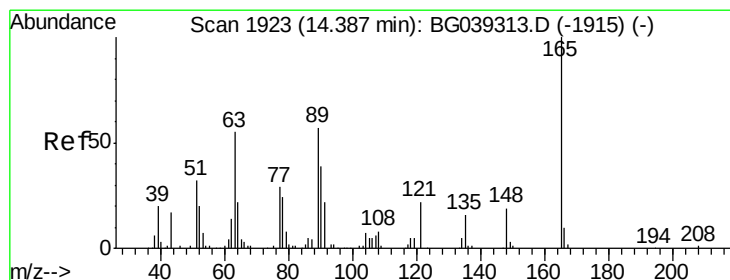
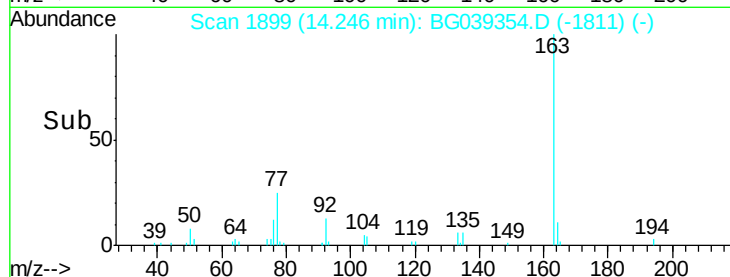
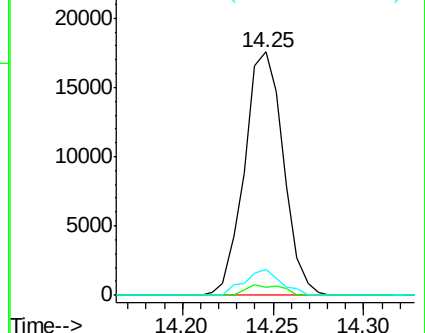
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 13.926 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039354.D

Acq: 1 Feb 2019 22:30

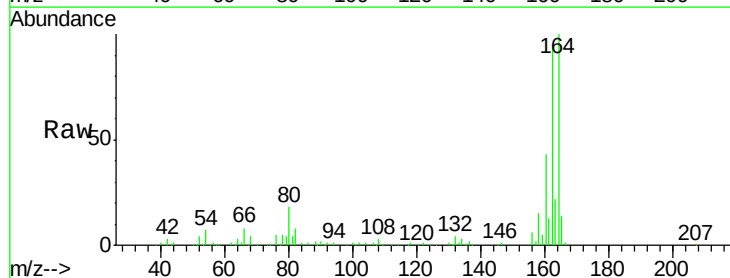
Tgt Ion:165 Resp: 17823

Ion Ratio Lower Upper

165 100

63 1.6 47.0 70.6#

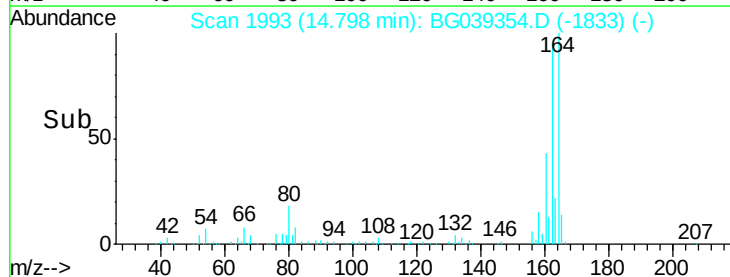
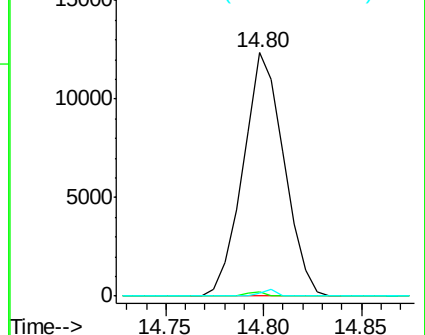
89 1.2 45.8 68.8#

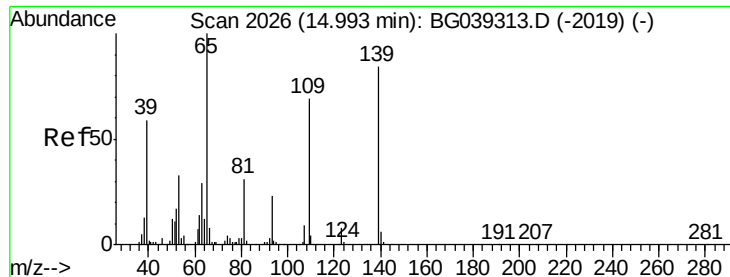


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

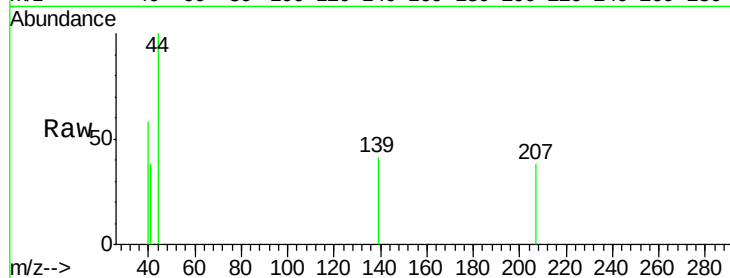




#56
4-Nitrophenol
Concen: 5.823 ng
RT: 15.08 min Scan# 2041
Delta R.T. 0.09 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

Instrument :
BNA_G
ClientSampleId :
013019-SIDI-E-D-B

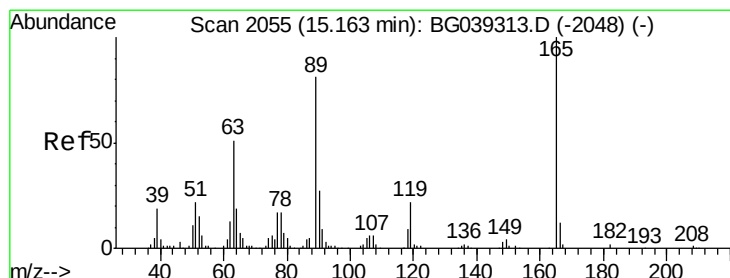
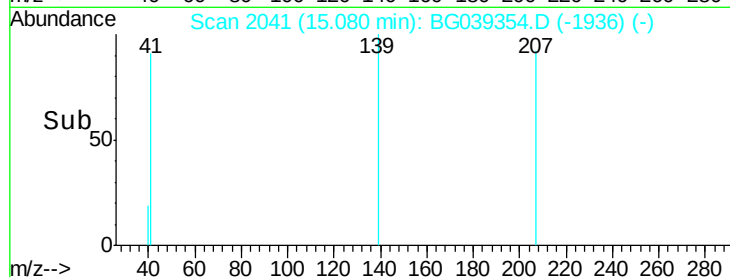
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



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

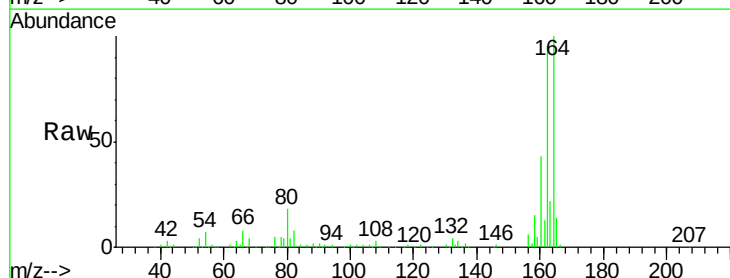
15.08

Time-->



#57
2,4-Dinitrotoluene
Concen: 13.401 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.36 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

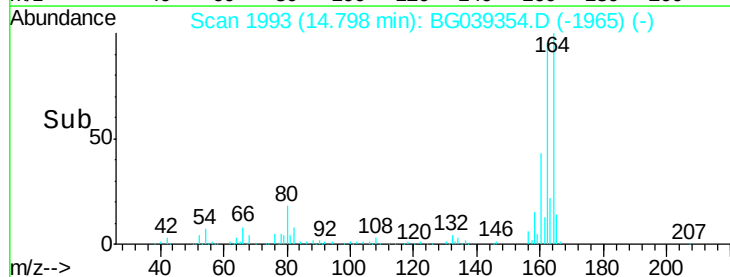
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.0	61.6#
89	1.2	64.6	96.8#
182	0.0	2.0	3.0#

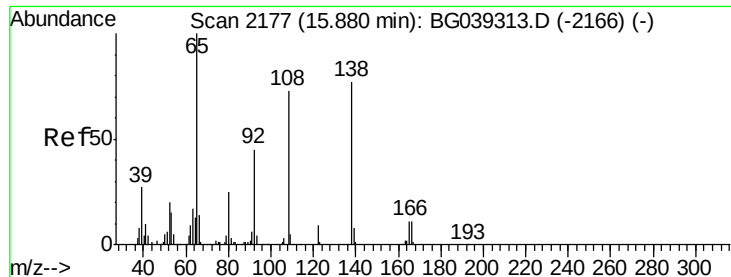


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

14.80

Time-->

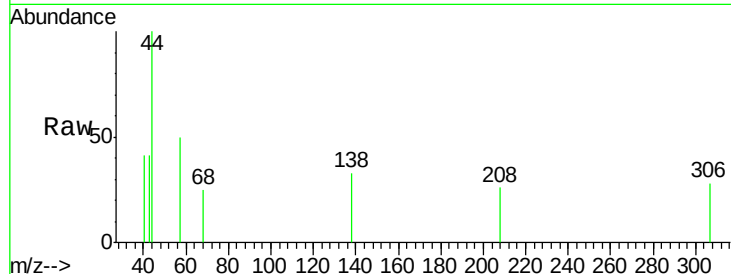




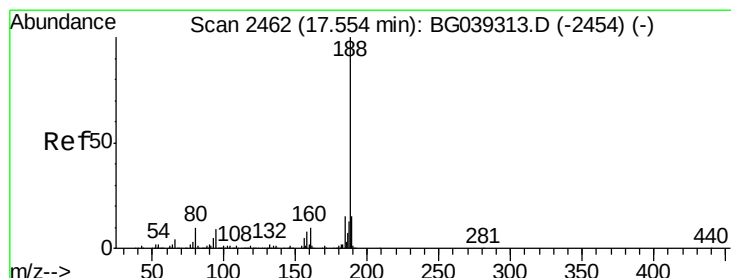
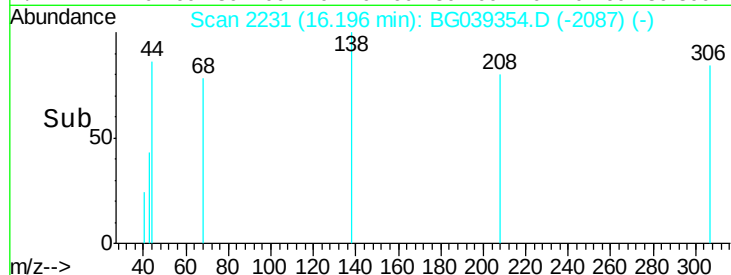
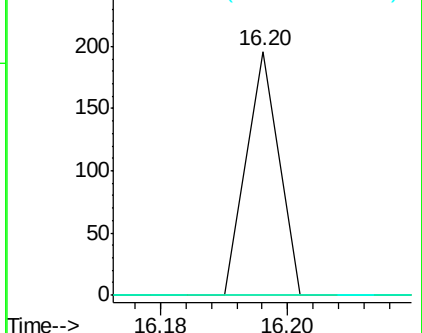
#62
4-Nitroaniline
Concen: 4.229 ng
RT: 16.20 min Scan# 2231
Delta R.T. 0.32 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

Instrument :
BNA_G
ClientSampleId :
013019-SIDI-E-D-B

Tgt Ion:138 Resp: 69
Ion Ratio Lower Upper
138 100
92 0.0 38.7 78.7#
108 0.0 74.6 114.6#

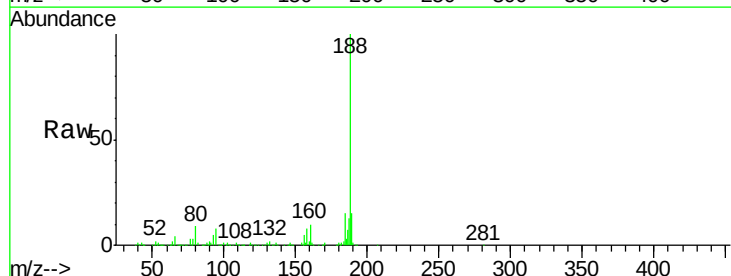


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

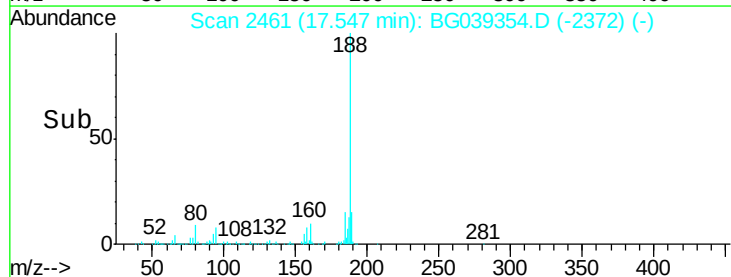
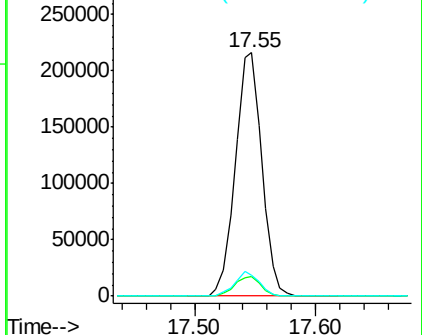


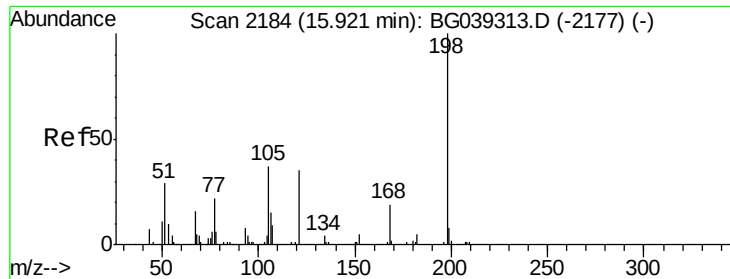
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.55 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

Tgt Ion:188 Resp: 330127
Ion Ratio Lower Upper
188 100
94 8.2 6.9 10.3
80 8.6 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

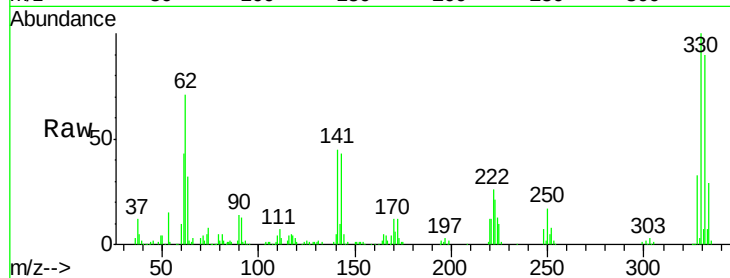




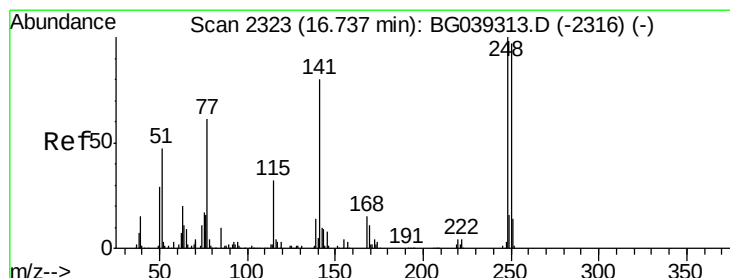
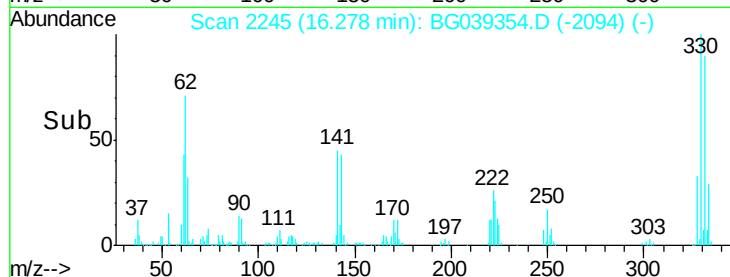
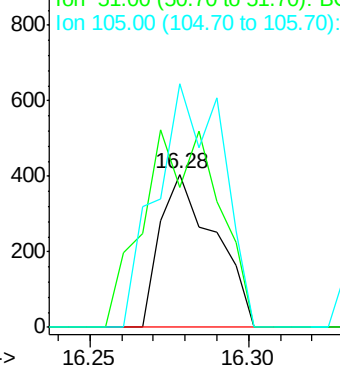
#65
4,6-Dinitro-2-methylphenol
Concen: 4.642 ng
RT: 16.28 min Scan# 2245
Delta R.T. 0.36 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

Instrument :
BNA_G
ClientSampleId :
013019-SIDI-E-D-B

Tgt Ion:198 Resp: 482
Ion Ratio Lower Upper
198 100
51 91.6 27.4 67.4#
105 159.3 19.7 59.7#

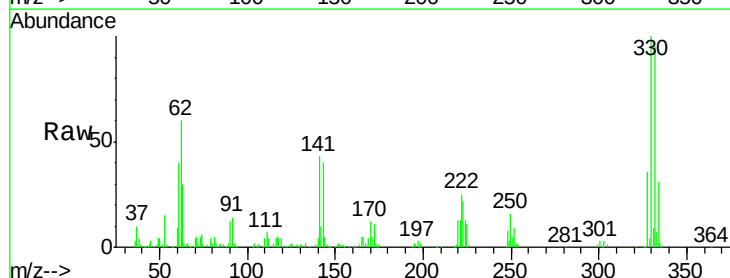


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

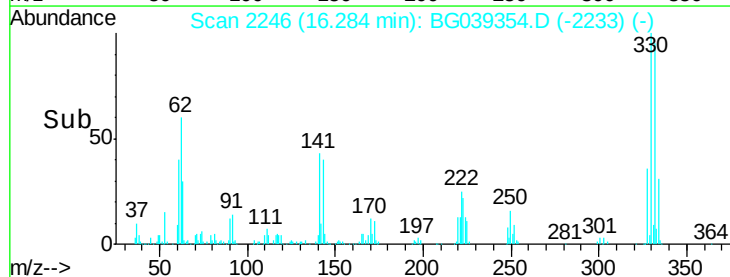
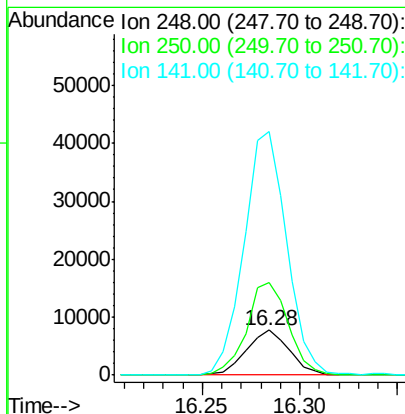


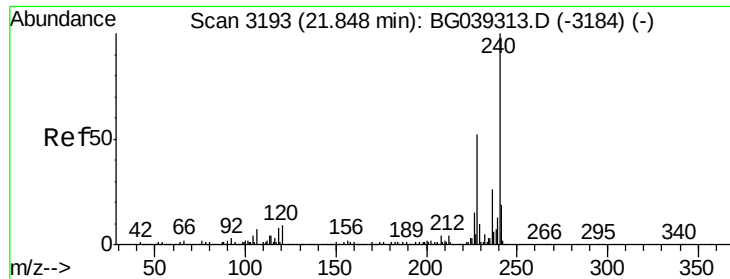
#67
4-Bromophenyl-phenylether
Concen: 3.235 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039354.D
Acq: 1 Feb 2019 22:30

Tgt Ion:248 Resp: 11848
Ion Ratio Lower Upper
248 100
250 207.0 77.6 116.4#
141 545.7 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

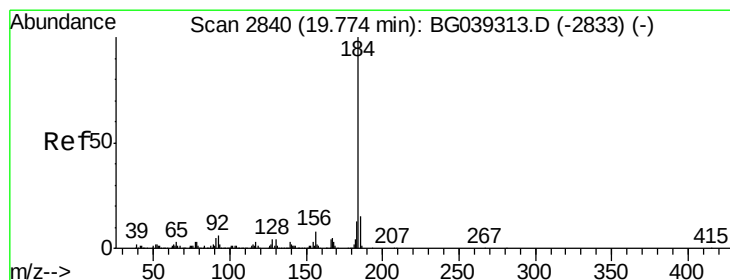
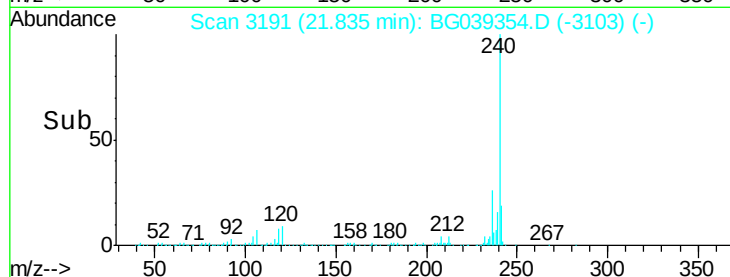
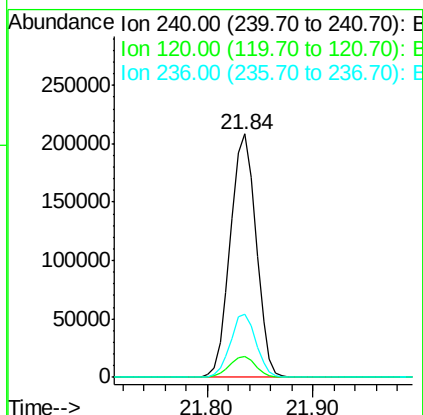
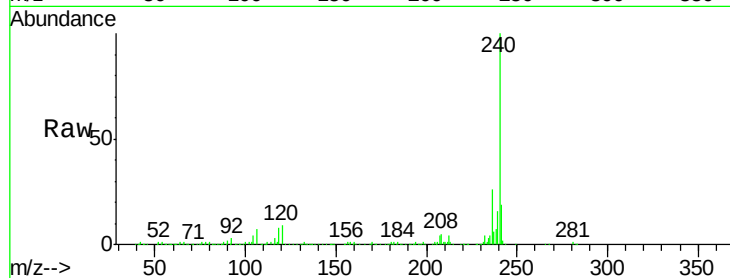




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.84 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BG039354.D
 Acq: 1 Feb 2019 22:30

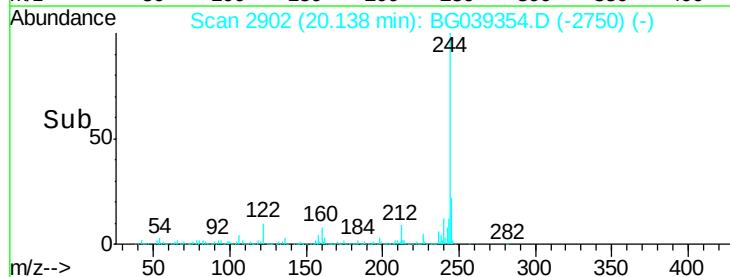
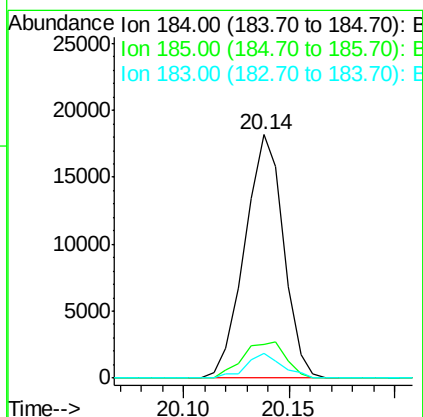
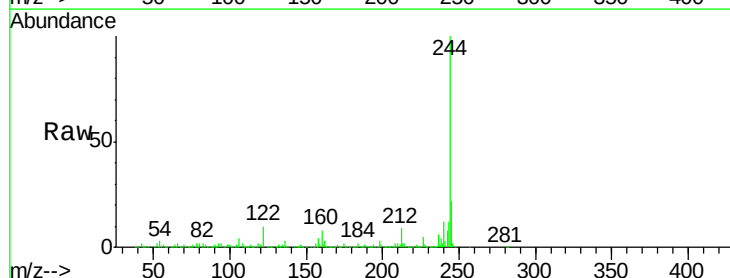
Instrument :
 BNA_G
 ClientSampleId :
 013019-SIDI-E-D-B

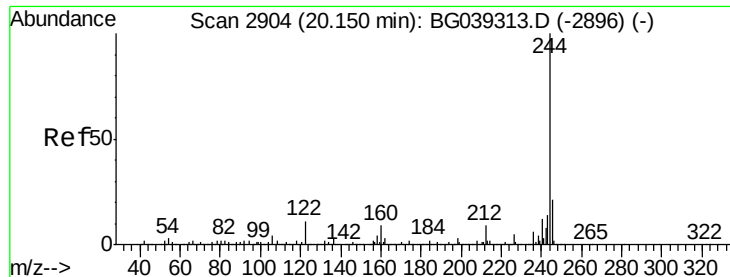
Tgt Ion:240 Resp: 350281
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.0 10.6
 236 25.9 21.0 31.4



#77
 Benzidine
 Concen: 2.016 ng
 RT: 20.14 min Scan# 2902
 Delta R.T. 0.36 min
 Lab File: BG039354.D
 Acq: 1 Feb 2019 22:30

Tgt Ion:184 Resp: 23153
 Ion Ratio Lower Upper
 184 100
 185 14.0 12.2 18.2
 183 10.2 10.6 15.8#





#79

Terphenyl-d14

Concen: 77.865 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039354.D

Acq: 1 Feb 2019 22:30

Instrument :

BNA_G

ClientSampleId :

013019-SIDI-E-D-B

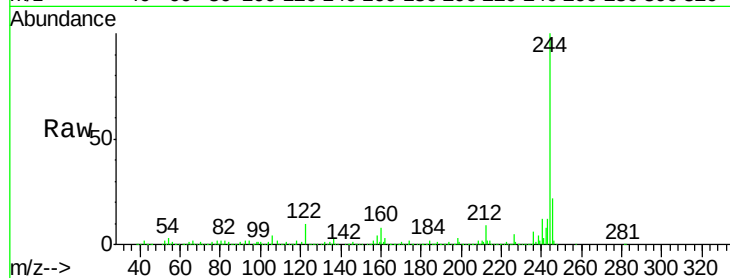
Tgt Ion:244 Resp: 1288557

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

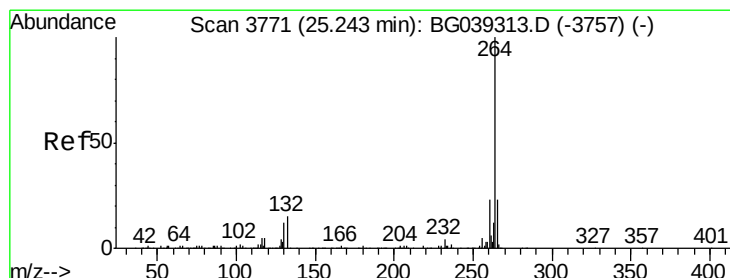
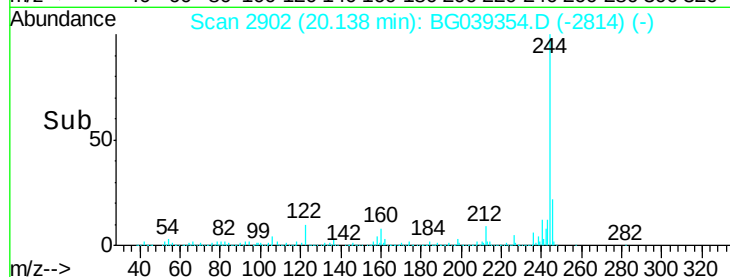
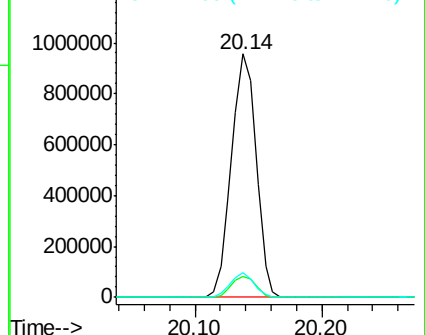
122 9.9 8.4 12.6



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: 25.22 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BG039354.D

Acq: 1 Feb 2019 22:30

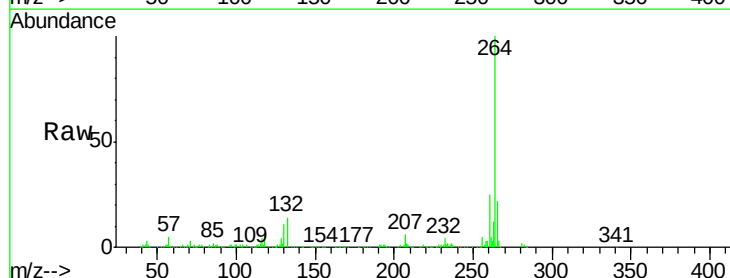
Tgt Ion:264 Resp: 352704

Ion Ratio Lower Upper

264 100

260 25.2 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

