

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021419\
 Data File : BG039515.D
 Acq On : 14 Feb 2019 20:38
 Operator : JU/SJ
 Sample : K1350-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-021319-A

Quant Time: Feb 15 03:12:17 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

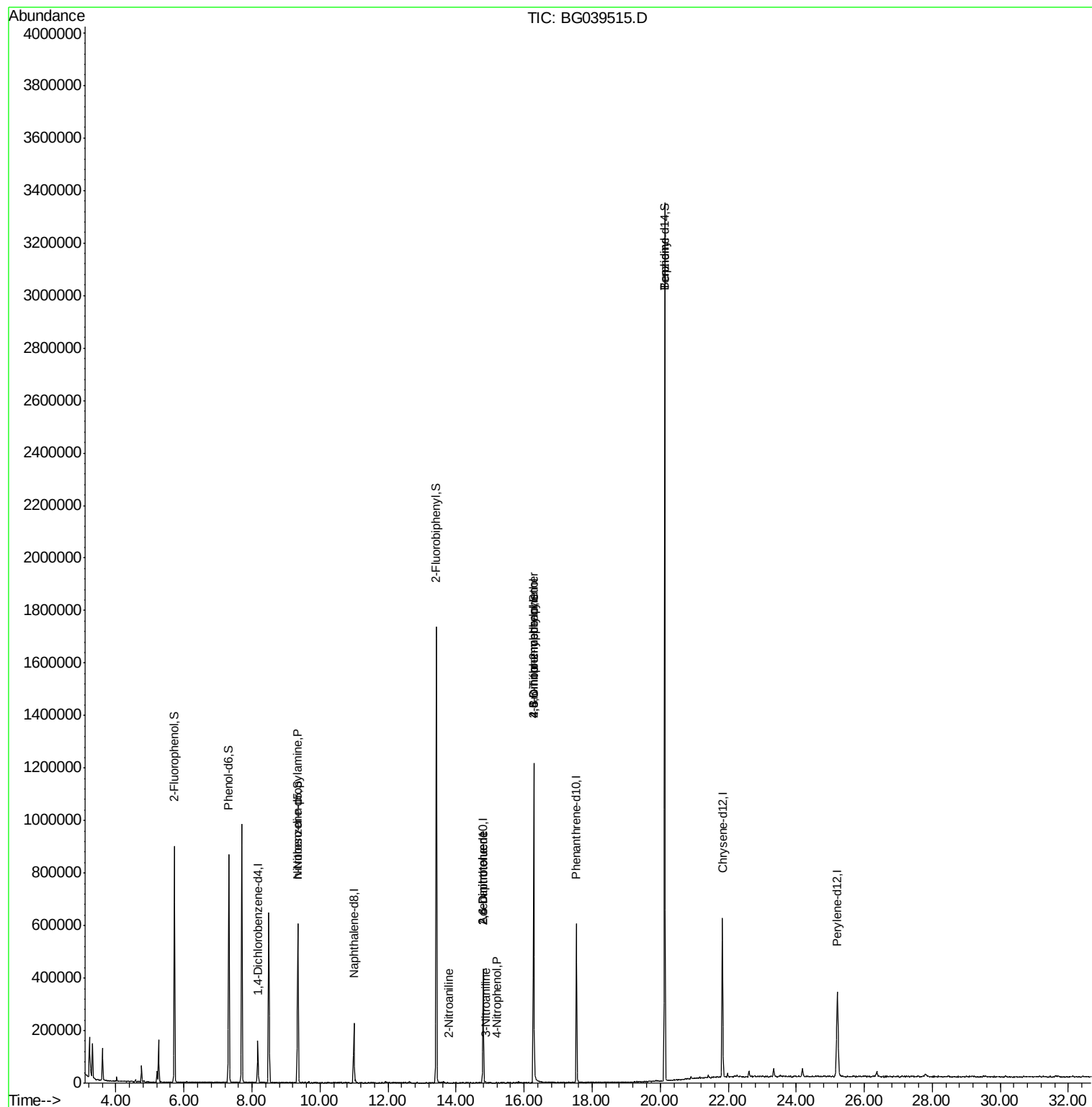
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	44955	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	201147	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	148158	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	365843	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	377413	20.00	ng	-0.02
87) Perylene-d12	25.21	264	374760	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	377061	143.55	ng	0.00
7) Phenol-d6	7.32	99	510226	131.97	ng	0.00
23) Nitrobenzene-d5	9.35	82	365583	113.54	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	233308	146.24	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	925247	89.59	ng	-0.01
79) Terphenyl-d14	20.13	244	1561031	87.55	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.33	77	888	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	47993	17.489 ng	#	4
48) 2-Nitroaniline	13.80	65	58	8.314 ng	#	10
51) 2,6-Dinitrotoluene	14.80	165	19215	13.977 ng	#	23
53) 3-Nitroaniline	14.85	138	59	5.814 ng	#	1
56) 4-Nitrophenol	15.20	139	496	6.006 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	19215	13.439 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.28	198	932	4.992 ng	#	26
67) 4-Bromophenyl-phenylether	16.28	248	18307	4.511 ng	#	1
77) Benzidine	20.14	184	27441	2.218 ng	#	93

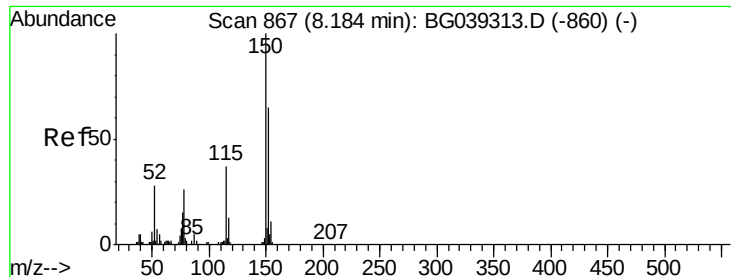
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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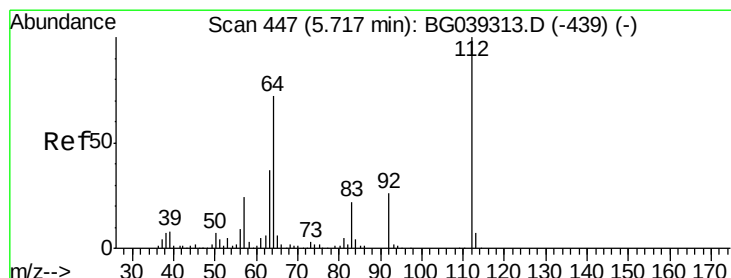
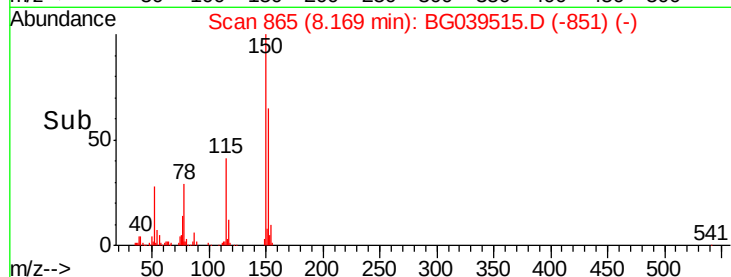
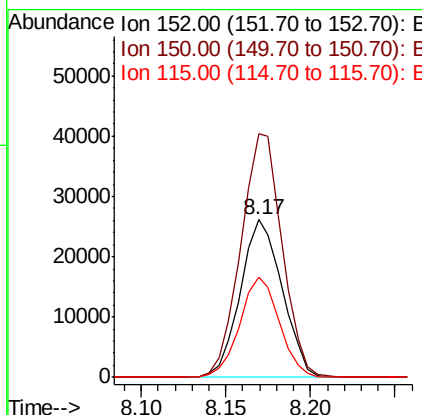
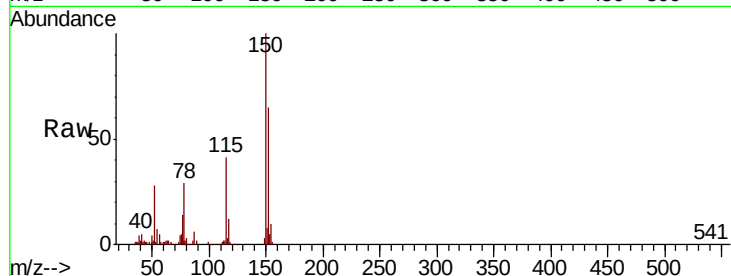


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: BG039515.D
 Acq: 14 Feb 2019 20:38

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-021319-A

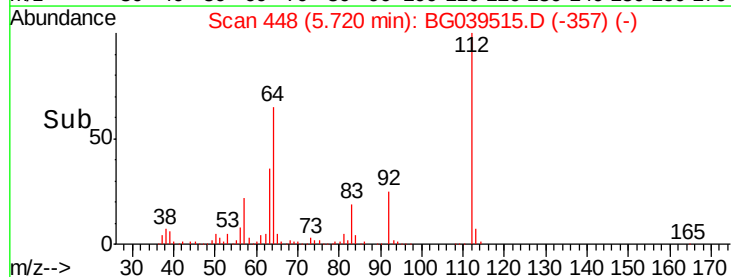
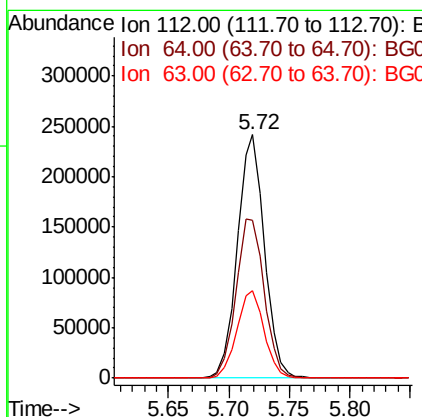
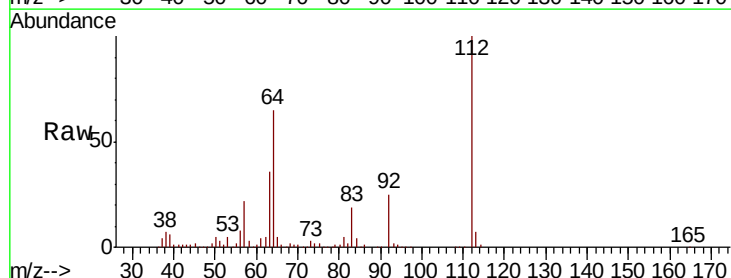
Tgt Ion:152 Resp: 44955
 Ion Ratio Lower Upper
 152 100
 150 154.3 123.7 185.5
 115 63.7 45.9 68.9

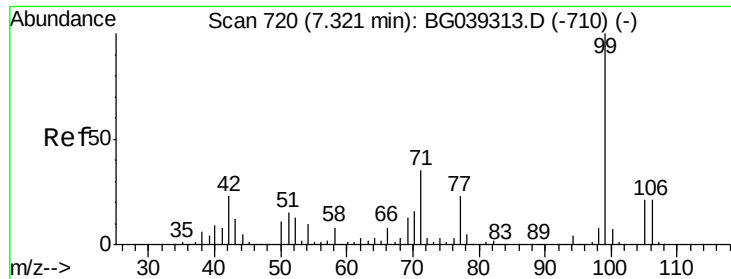


#5

2-Fluorophenol
 Concen: 143.553 ng
 RT: 5.72 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: BG039515.D
 Acq: 14 Feb 2019 20:38

Tgt Ion:112 Resp: 377061
 Ion Ratio Lower Upper
 112 100
 64 64.9 57.8 86.8
 63 35.9 29.8 44.6





#7

Phenol-d6

Concen: 131.967 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039515.D

Acq: 14 Feb 2019 20:38

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-A

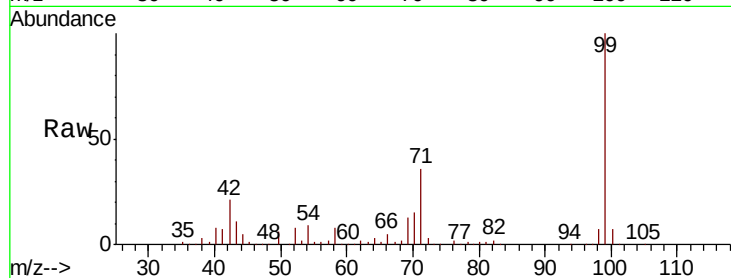
Tgt Ion: 99 Resp: 510226

Ion Ratio Lower Upper

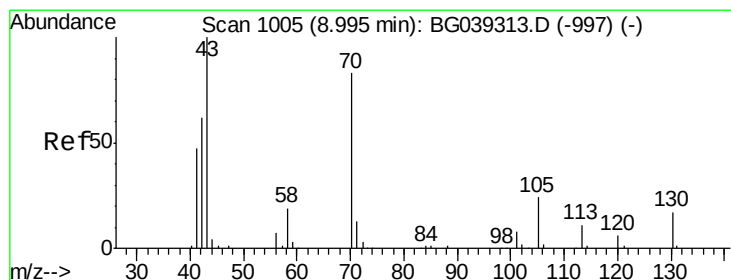
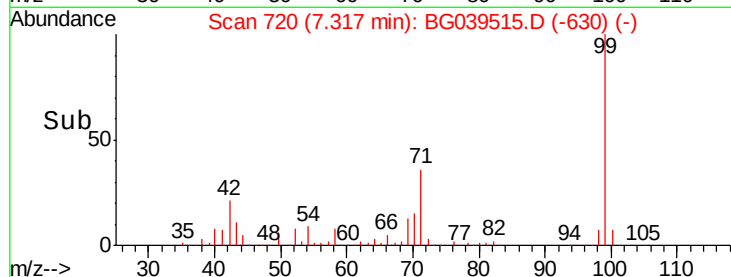
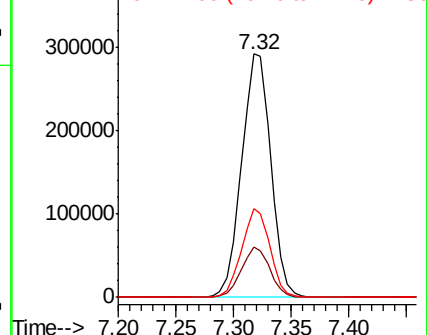
99 100

42 20.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.489 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039515.D

Acq: 14 Feb 2019 20:38

Tgt Ion: 70 Resp: 47993

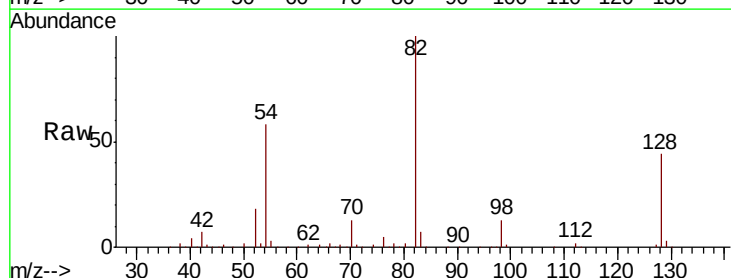
Ion Ratio Lower Upper

70 100

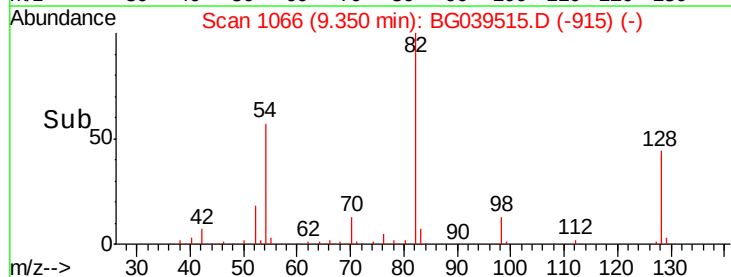
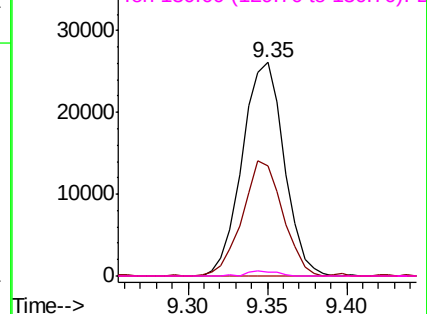
42 51.5 60.4 90.6#

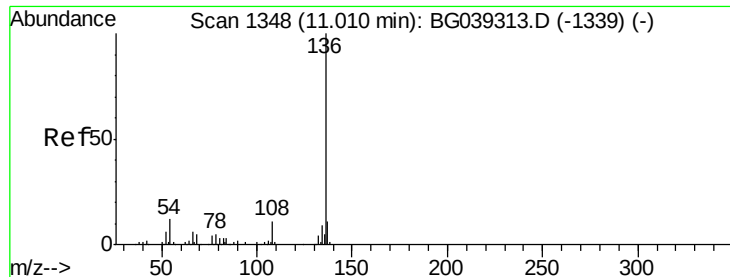
101 0.0 7.5 11.3#

130 1.9 16.9 25.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

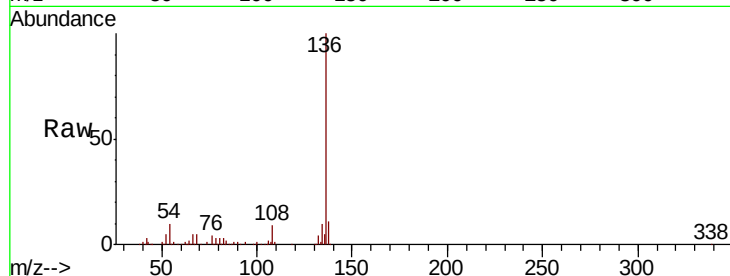




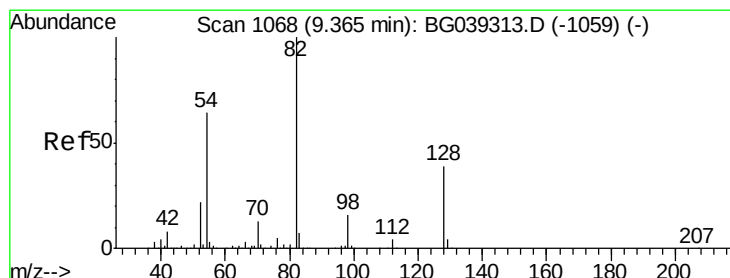
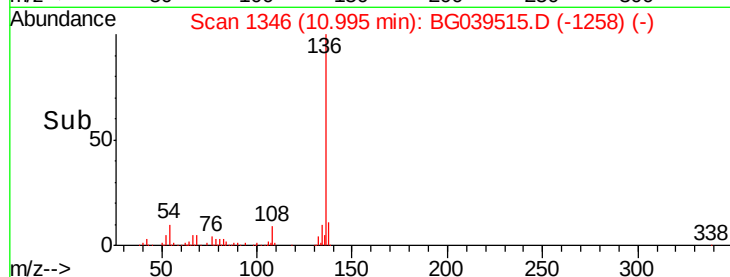
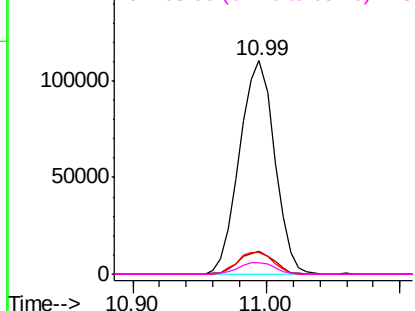
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039515.D
Acq: 14 Feb 2019 20:38

Instrument :
BNA_G
ClientSampleId :
EO-02-021319-A

Tgt Ion:	136	Resp:	201147
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	10.2	9.4	14.2
68	5.3	4.2	6.4

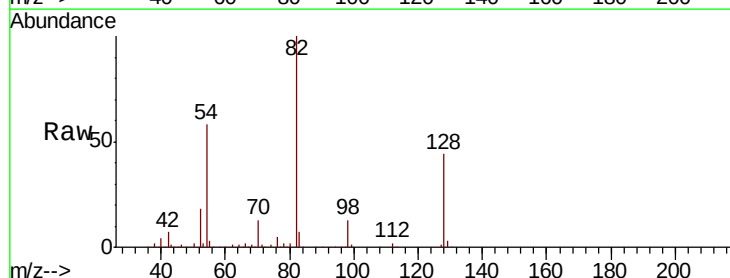


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

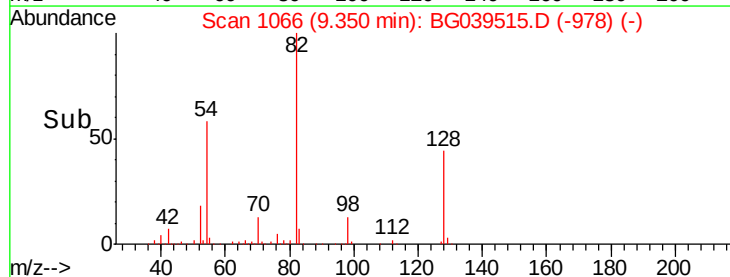
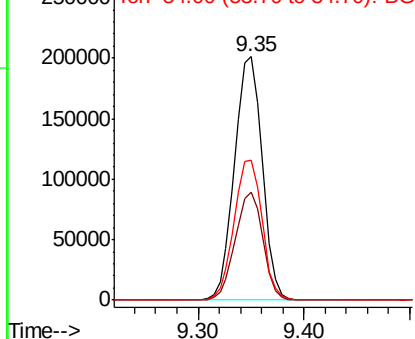


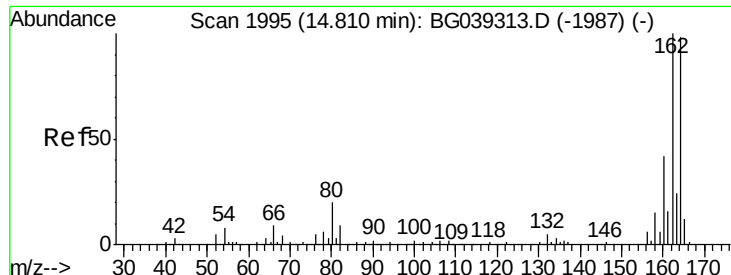
#23
Nitrobenzene-d5
Concen: 113.542 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039515.D
Acq: 14 Feb 2019 20:38

Tgt Ion:	82	Resp:	365583
Ion	Ratio	Lower	Upper
82	100		
128	44.2	31.3	46.9
54	57.6	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039515.D

Acq: 14 Feb 2019 20:38

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-A

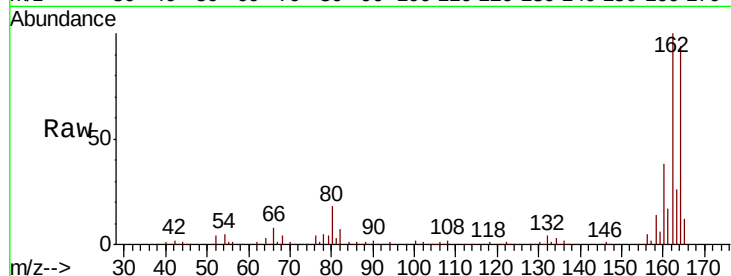
Tgt Ion:164 Resp: 148158

Ion Ratio Lower Upper

164 100

162 106.9 81.6 122.4

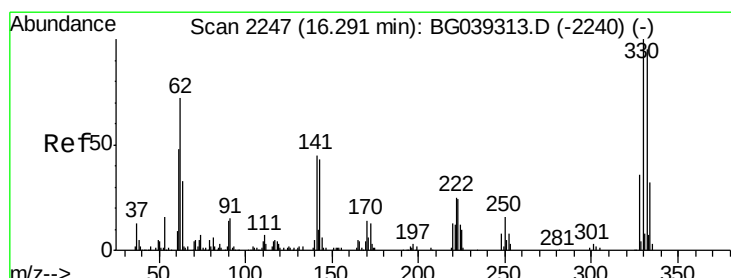
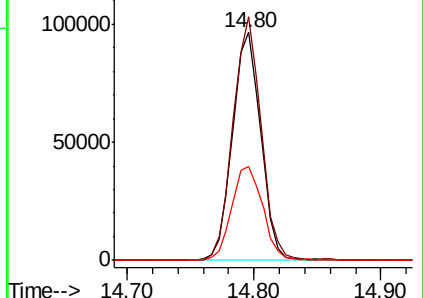
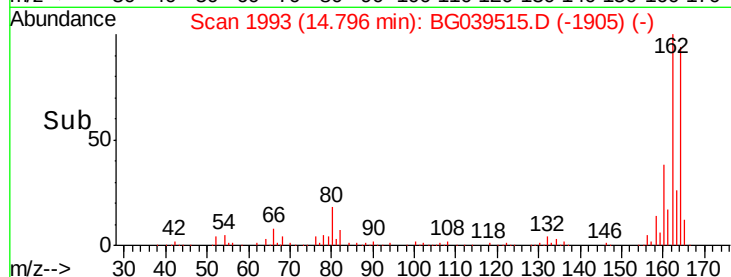
160 41.1 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 146.237 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039515.D

Acq: 14 Feb 2019 20:38

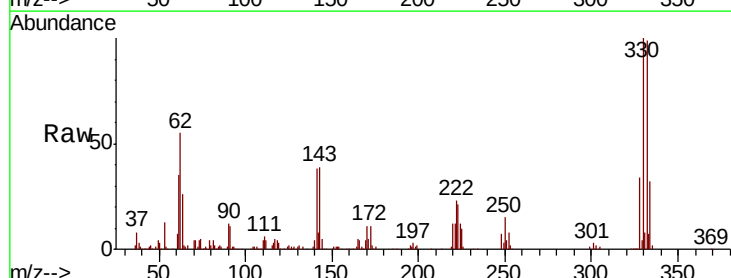
Tgt Ion:330 Resp: 233308

Ion Ratio Lower Upper

330 100

332 92.9 75.7 113.5

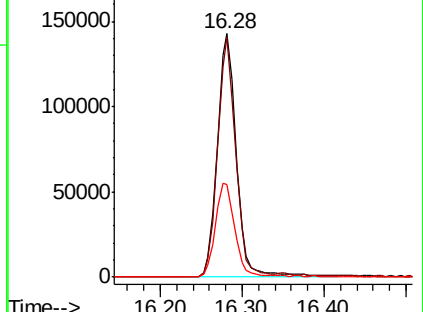
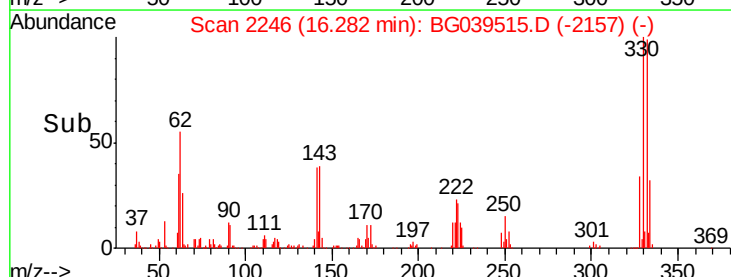
141 38.9 35.6 53.4

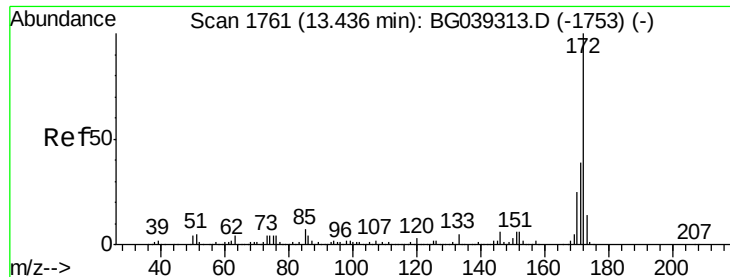


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

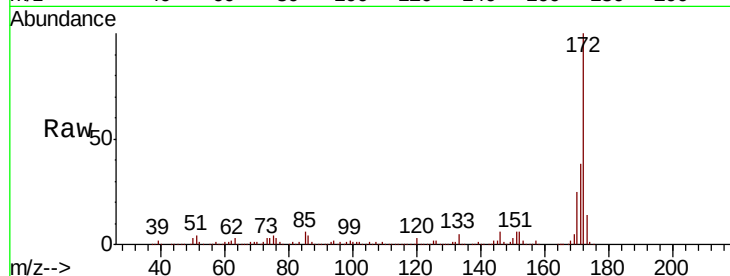




#45
 2-Fluorobiphenyl
 Concen: 89.588 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039515.D
 Acq: 14 Feb 2019 20:38

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-021319-A

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.8	46.2
170	25.1	20.2	30.4

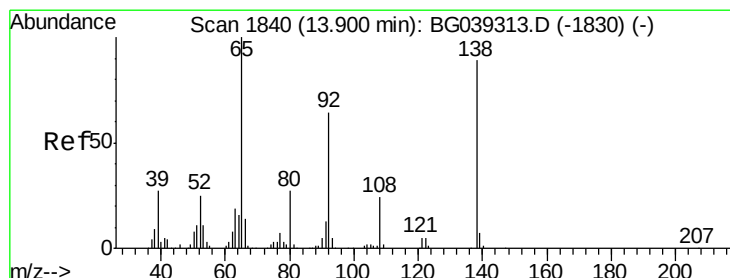
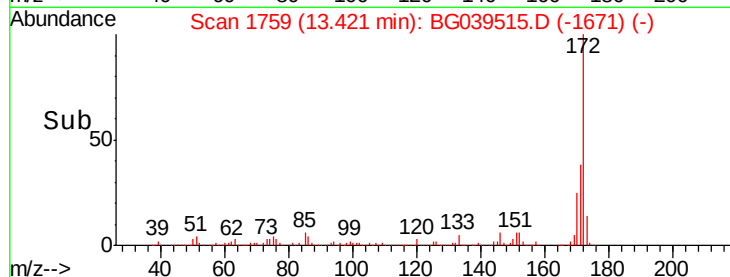
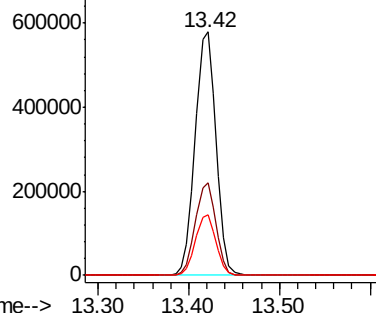


Abundance

Ion 172.00 (171.70 to 172.70): E

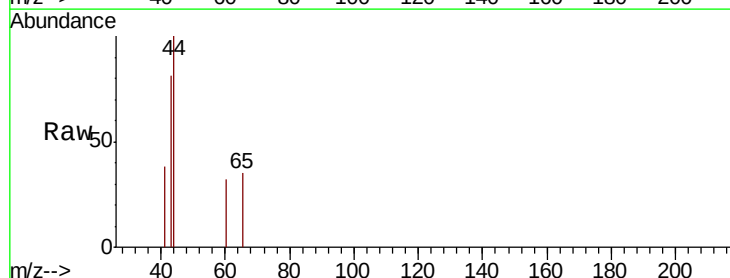
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48
 2-Nitroaniline
 Concen: 8.314 ng
 RT: 13.80 min Scan# 1823
 Delta R.T. -0.10 min
 Lab File: BG039515.D
 Acq: 14 Feb 2019 20:38

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	51.4	77.2#
138	0.0	71.4	107.2#

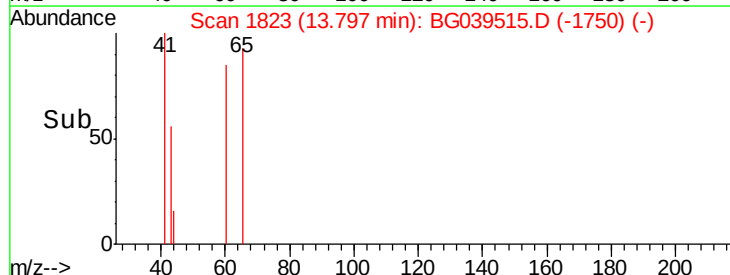
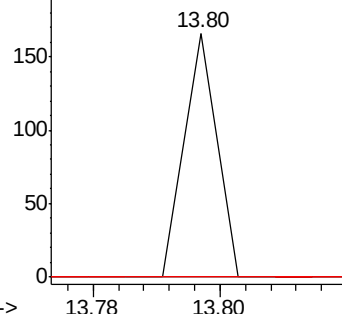


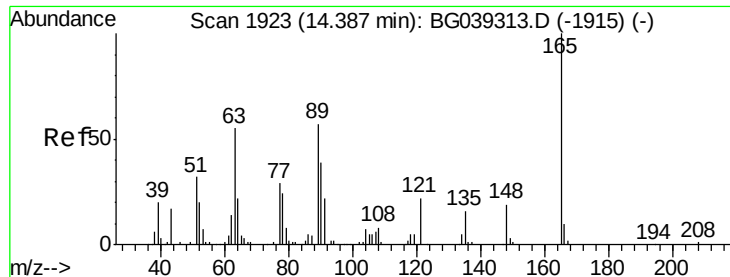
Abundance

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): E

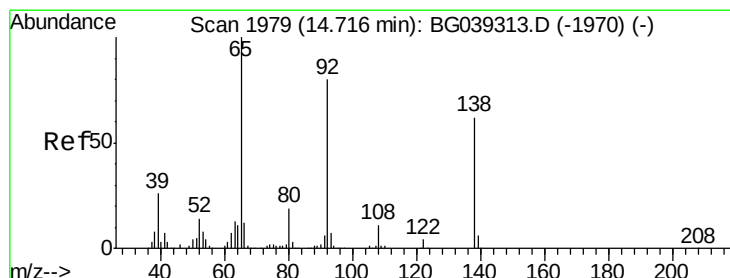
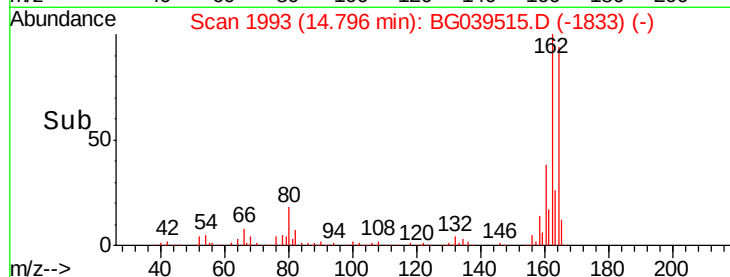
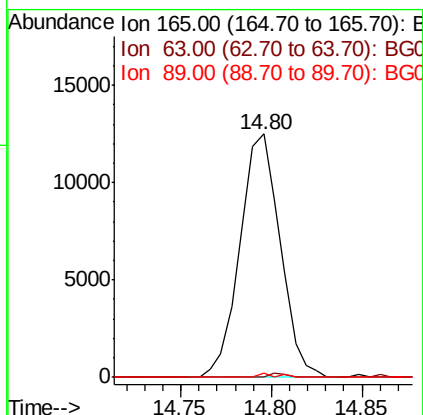
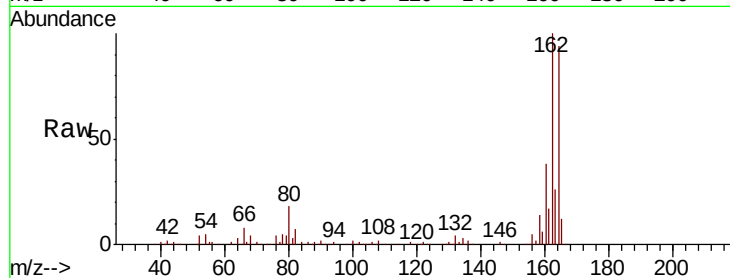




#51
 2,6-Dinitrotoluene
 Concen: 13.977 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039515.D
 Acq: 14 Feb 2019 20:38

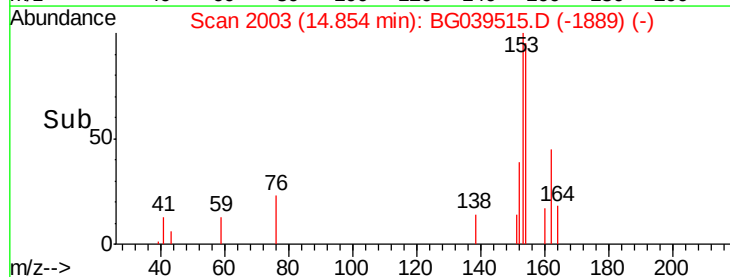
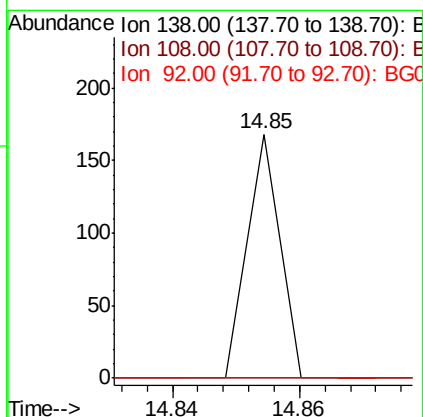
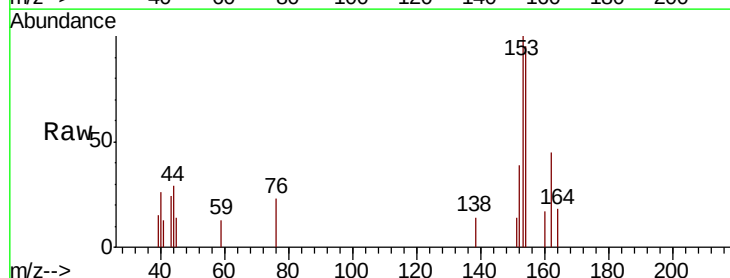
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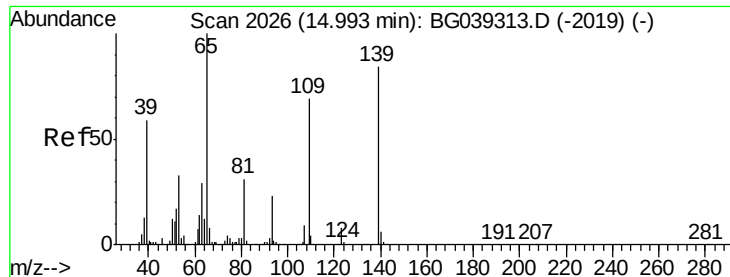
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	1.9	45.8	68.8#



#53
 3-Nitroaniline
 Concen: 5.814 ng
 RT: 14.85 min Scan# 2003
 Delta R.T. 0.14 min
 Lab File: BG039515.D
 Acq: 14 Feb 2019 20:38

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#

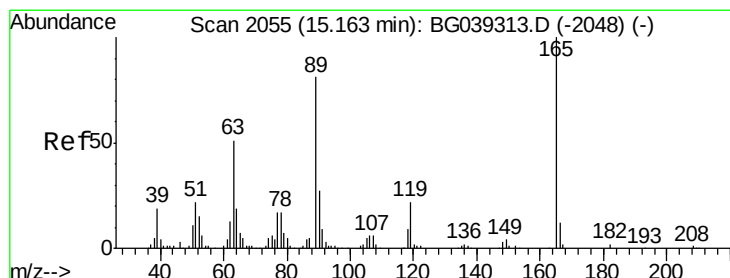
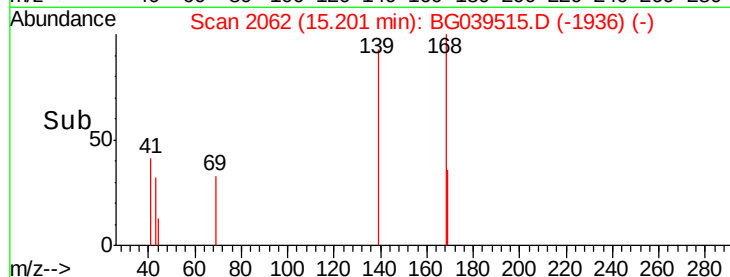
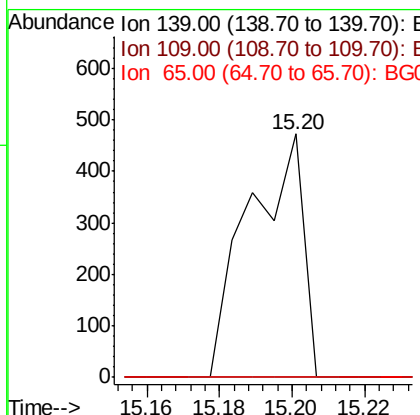
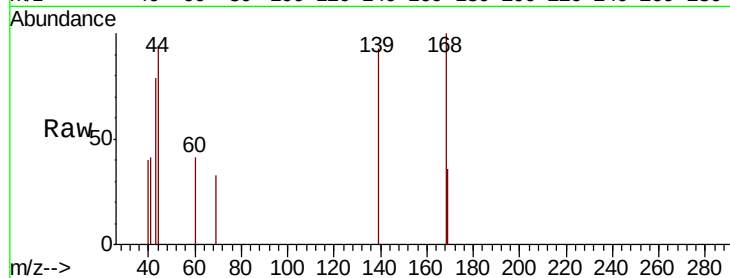




#56
4-Nitrophenol
Concen: 6.006 ng
RT: 15.20 min Scan# 2062
Delta R.T. 0.21 min
Lab File: BG039515.D
Acq: 14 Feb 2019 20:38

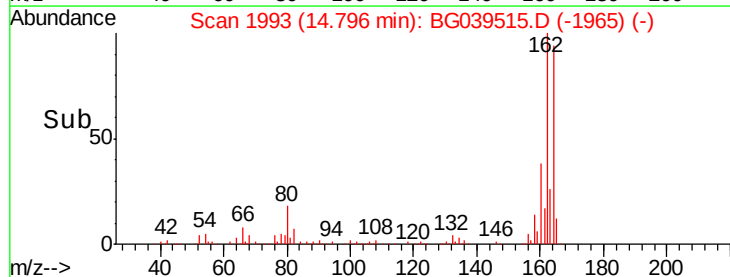
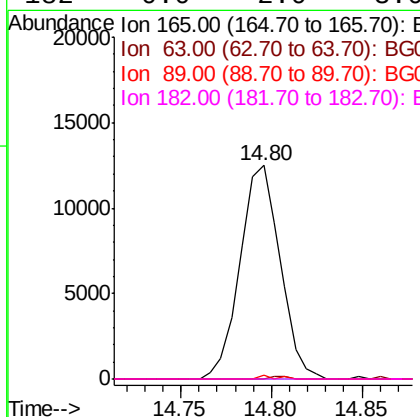
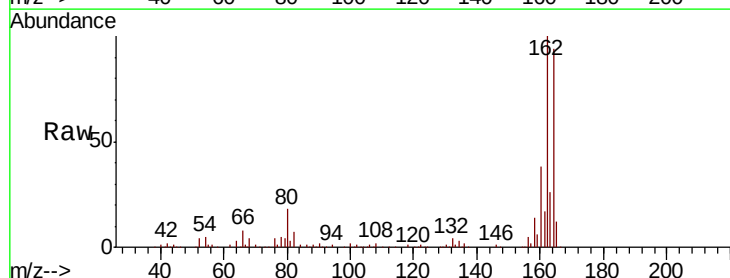
Instrument :
BNA_G
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EO-02-021319-A

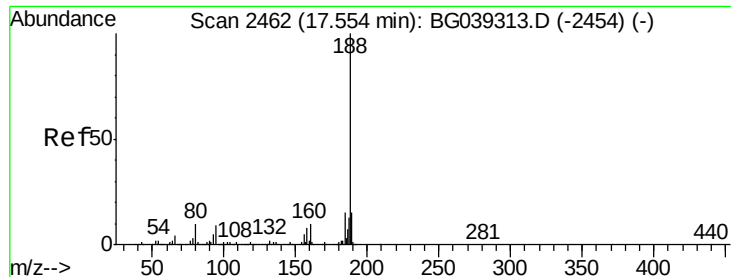
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.439 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039515.D
Acq: 14 Feb 2019 20:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.9	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039515.D

Acq: 14 Feb 2019 20:38

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-A

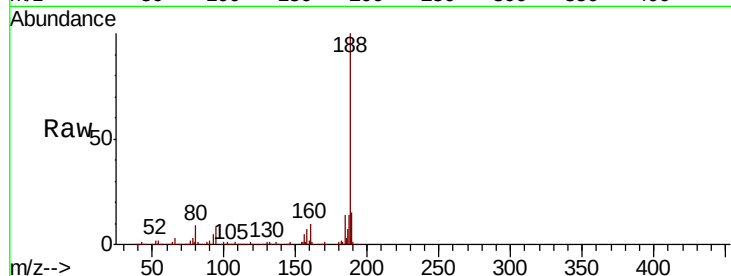
Tgt Ion:188 Resp: 365843

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

80 9.0 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

300000

200000

100000

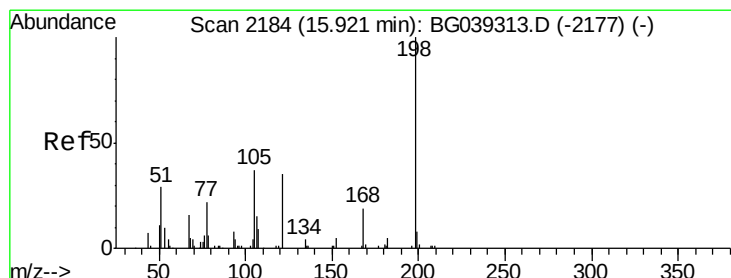
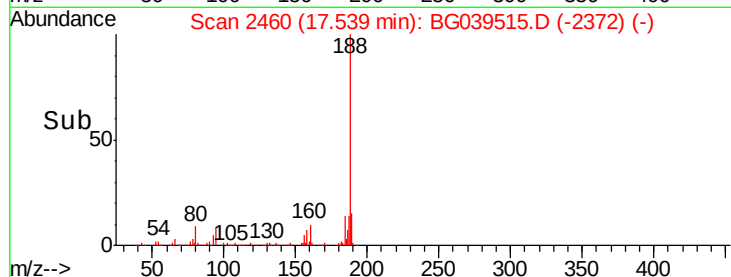
0

17.54

17.50

17.60

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.992 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039515.D

Acq: 14 Feb 2019 20:38

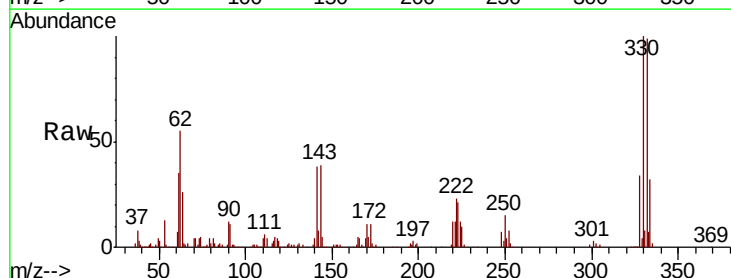
Tgt Ion:198 Resp: 932

Ion Ratio Lower Upper

198 100

51 76.2 27.4 67.4#

105 107.4 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

1200

1000

800

600

400

200

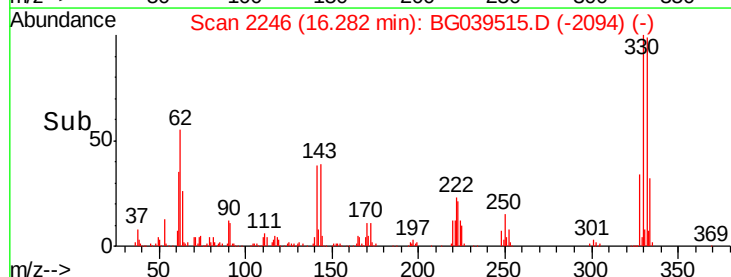
0

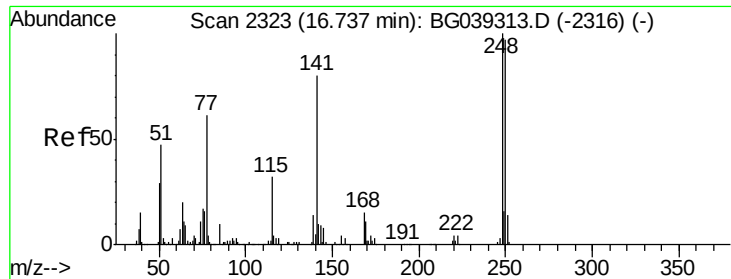
16.28

16.25

16.30

Time-->

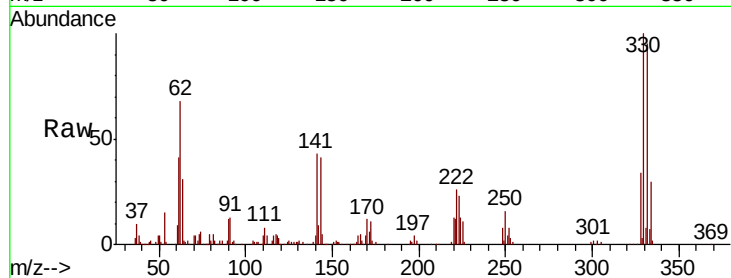




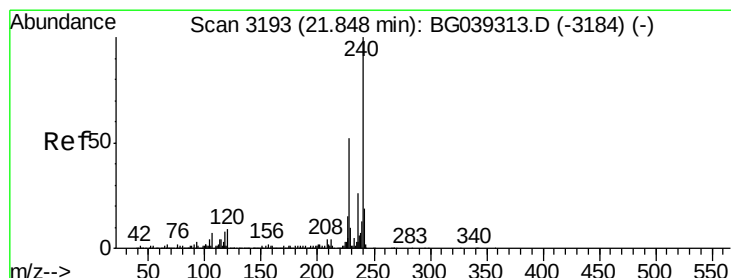
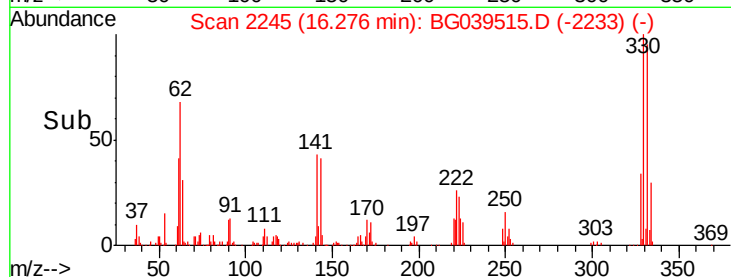
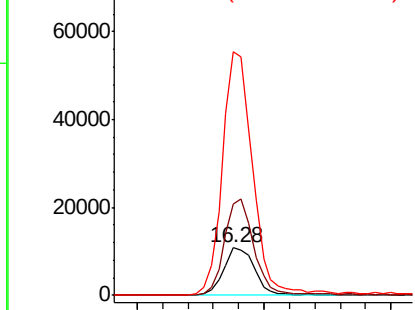
#67
 4-Bromophenyl-phenylether
 Concen: 4.511 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039515.D
 Acq: 14 Feb 2019 20:38

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-021319-A

Tgt Ion:248 Resp: 18307
 Ion Ratio Lower Upper
 248 100
 250 194.2 77.6 116.4#
 141 515.3 63.9 95.9#

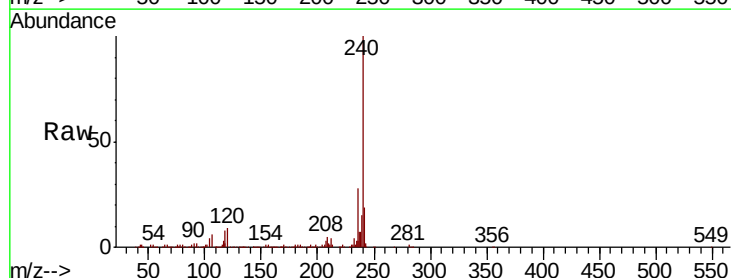


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

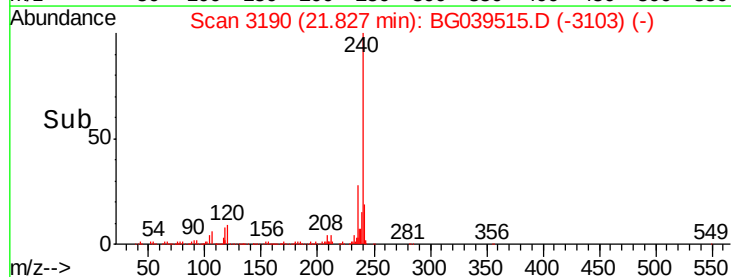
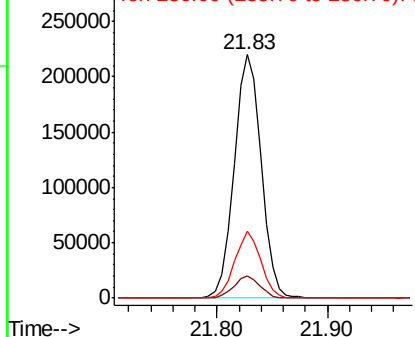


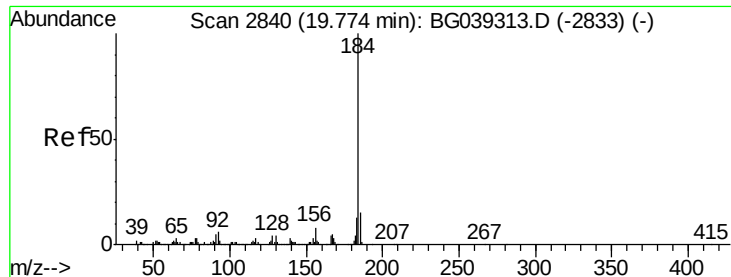
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039515.D
 Acq: 14 Feb 2019 20:38

Tgt Ion:240 Resp: 377413
 Ion Ratio Lower Upper
 240 100
 120 9.3 7.0 10.6
 236 27.5 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: 2.218 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039515.D

Acq: 14 Feb 2019 20:38

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-A

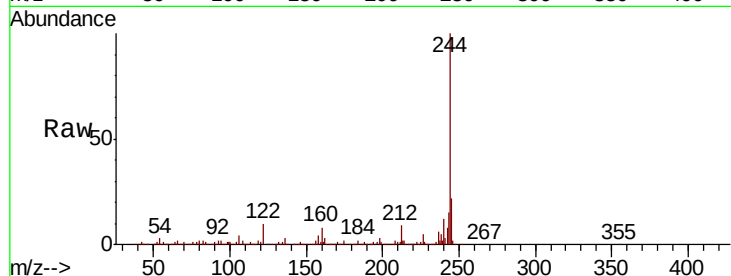
Tgt Ion:184 Resp: 27441

Ion Ratio Lower Upper

184 100

185 13.6 12.2 18.2

183 8.7 10.6 15.8#

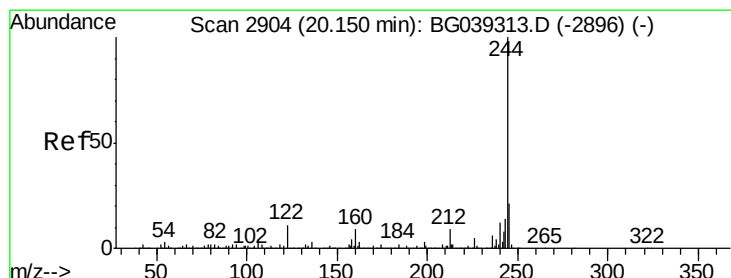
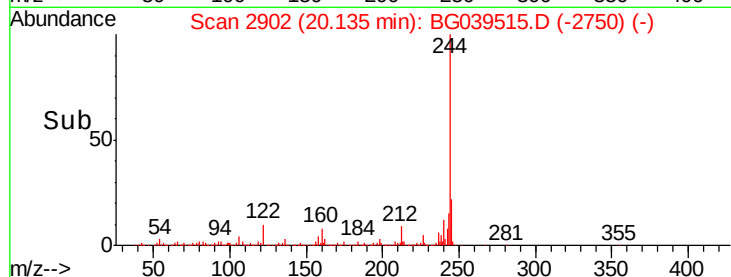
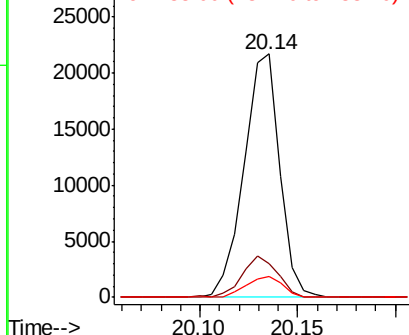


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 87.549 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039515.D

Acq: 14 Feb 2019 20:38

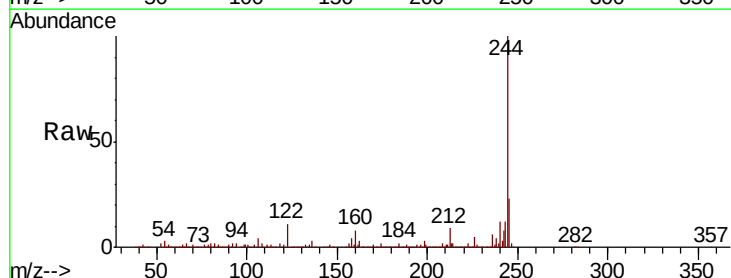
Tgt Ion:244 Resp: 1561031

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

122 10.6 8.4 12.6

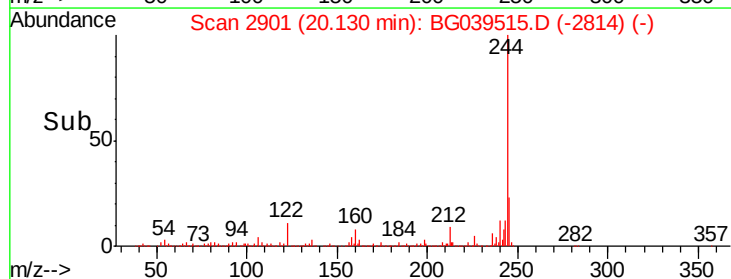
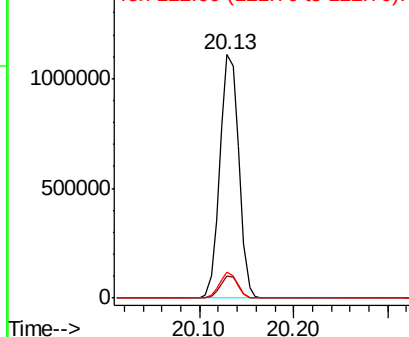


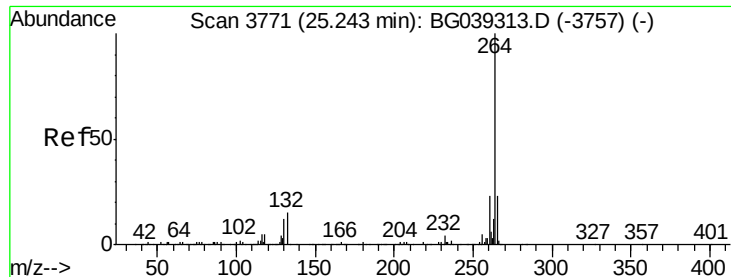
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039515.D
Acq: 14 Feb 2019 20:38

Instrument :
BNA_G
ClientSampleId :
EO-02-021319-A

Tgt Ion:	264	Resp:	374760
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	20.0	18.5	27.7

