

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011519\
 Data File : BG039150.D
 Acq On : 16 Jan 2019 6:58
 Operator : JU/SJ
 Sample : K1007-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NB-07-011419

Quant Time: Jan 16 07:35:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

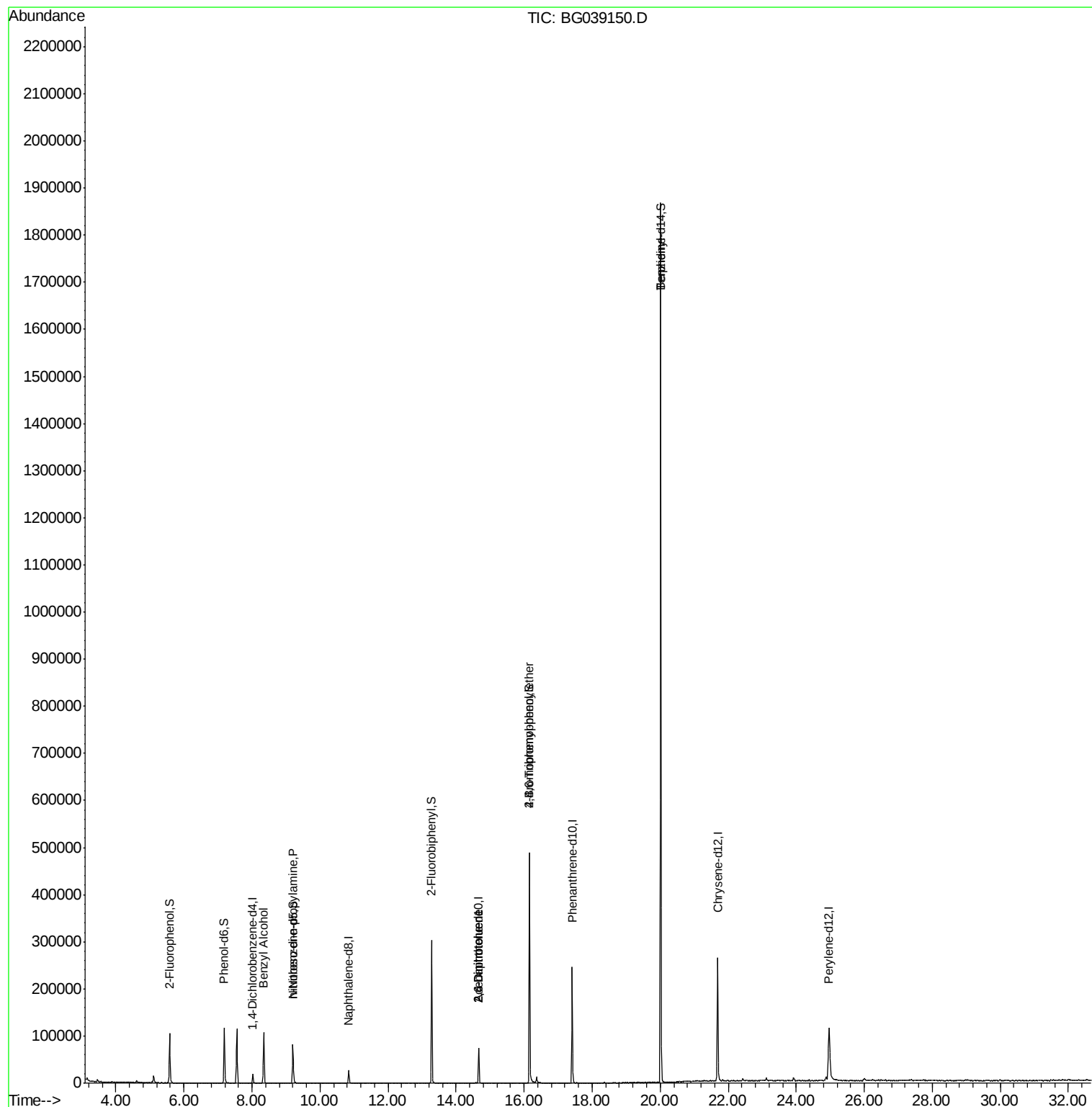
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	6693	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	27682	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	29114	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	160110	20.00	ng	0.00
76) Chrysene-d12	21.69	240	186835	20.00	ng	-0.01
87) Perylene-d12	24.96	264	181529	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	55419	157.07	ng	0.00
7) Phenol-d6	7.18	99	76654	150.97	ng	0.00
23) Nitrobenzene-d5	9.20	82	54587	107.90	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	106765	218.77	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	170909	80.34	ng	0.00
79) Terphenyl-d14	20.02	244	995558	98.57	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	828	2.165	ng	# 14
19) n-Nitroso-di-n-propylamine	9.20	70	6934	20.796	ng	# 63
51) 2,6-Dinitrotoluene	14.66	165	3973	7.223	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	3973	5.035	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	7181	3.489	ng	# 1
77) Benzidine	20.02	184	16166	2.829	ng	# 95

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

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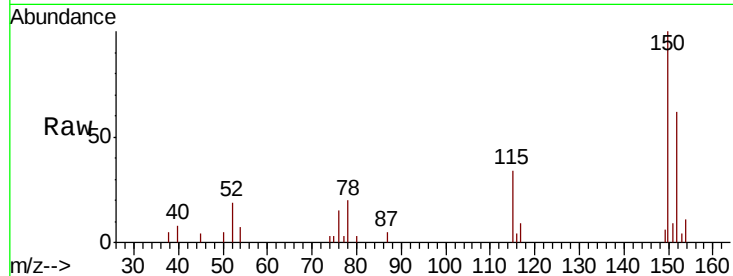




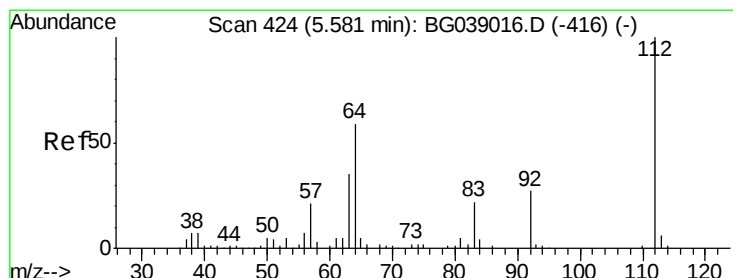
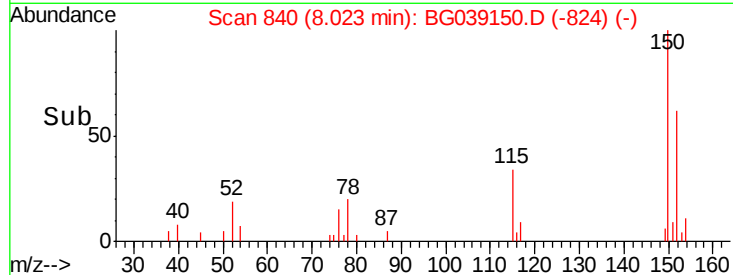
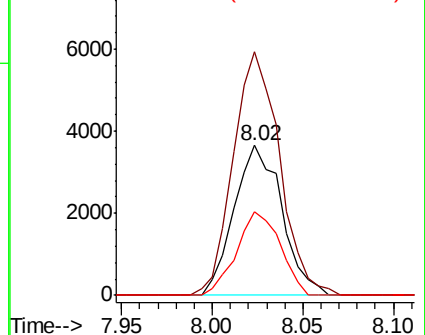
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG039150.D
 Acq: 16 Jan 2019 6:58

Instrument :
 MSVOA_X
 ClientSampleId :
 NB-07-011419

Tgt Ion:152 Resp: 6693
 Ion Ratio Lower Upper
 152 100
 150 162.4 124.7 187.1
 115 55.4 46.5 69.7

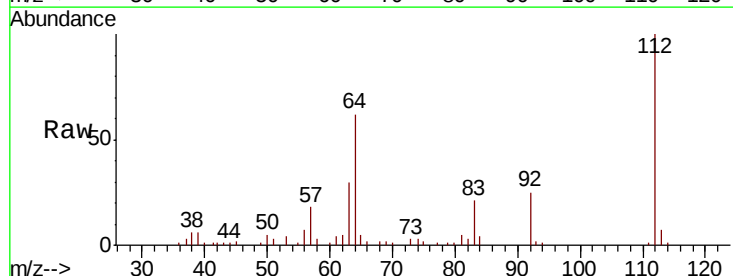


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

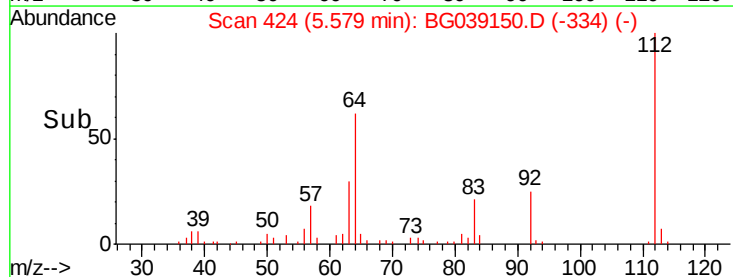
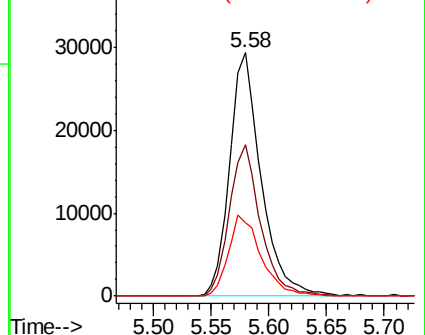


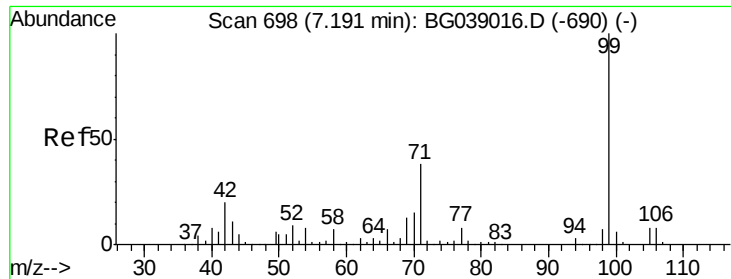
#5
 2-Fluorophenol
 Concen: 157.073 ng
 RT: 5.58 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: BG039150.D
 Acq: 16 Jan 2019 6:58

Tgt Ion:112 Resp: 55419
 Ion Ratio Lower Upper
 112 100
 64 62.2 47.0 70.6
 63 30.1 28.0 42.0



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





#7

Phenol-d6

Concen: 150.965 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039150.D

Acq: 16 Jan 2019 6:58

Instrument :

MSVOA_X

ClientSampleId :

NB-07-011419

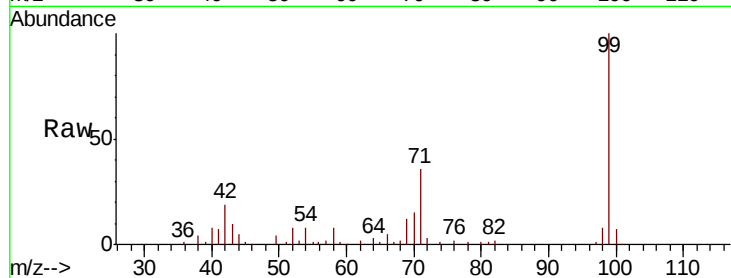
Tgt Ion: 99 Resp: 76654

Ion Ratio Lower Upper

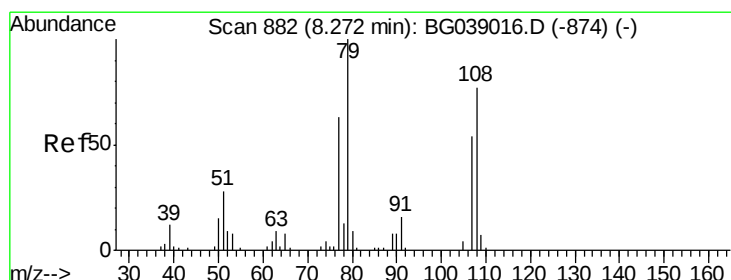
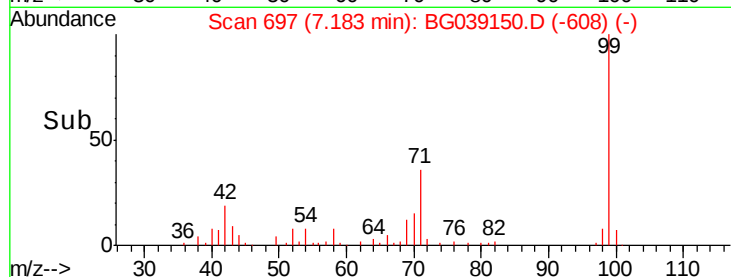
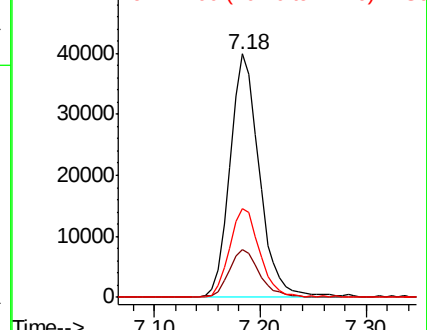
99 100

42 19.5 15.8 23.6

71 36.4 30.2 45.4



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



#15

Benzyl Alcohol

Concen: 2.165 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG039150.D

Acq: 16 Jan 2019 6:58

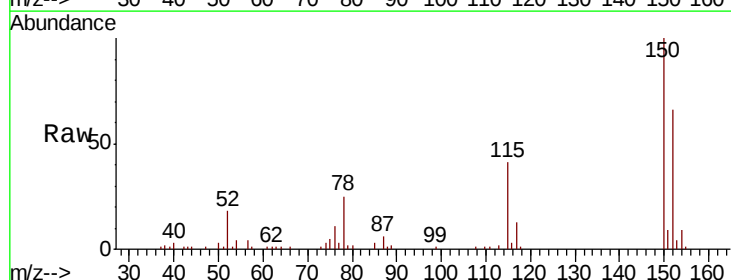
Tgt Ion: 79 Resp: 828

Ion Ratio Lower Upper

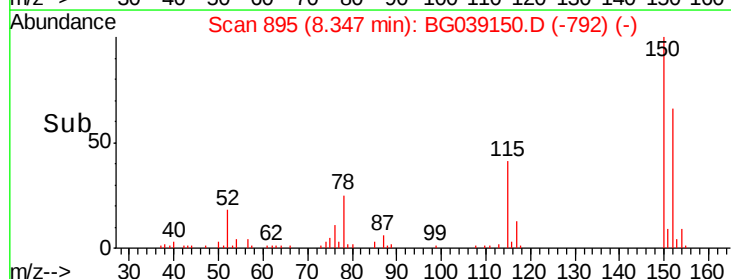
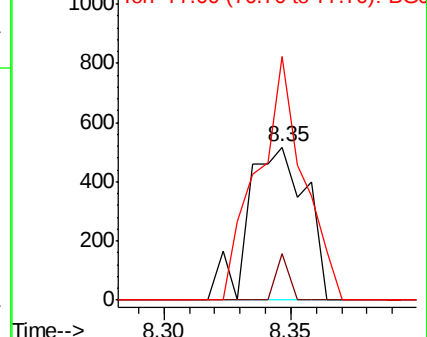
79 100

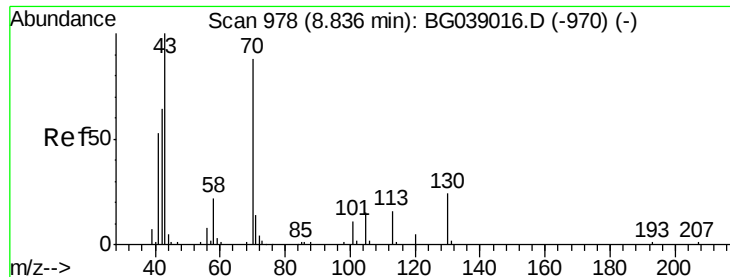
108 29.9 62.0 93.0#

77 158.9 50.1 75.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 20.796 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039150.D

Acq: 16 Jan 2019 6:58

Instrument :

MSVOA_X

ClientSampleId :

NB-07-011419

Tgt Ion: 70 Resp: 6934

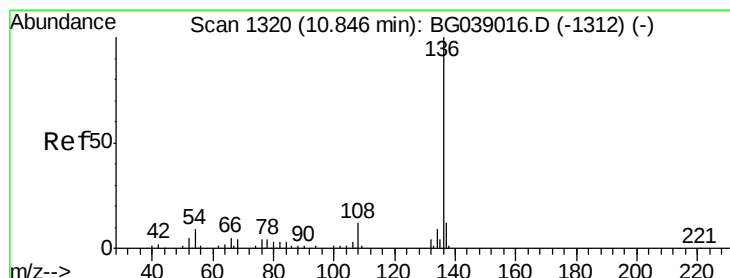
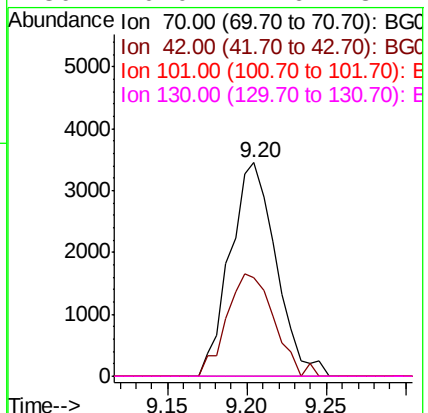
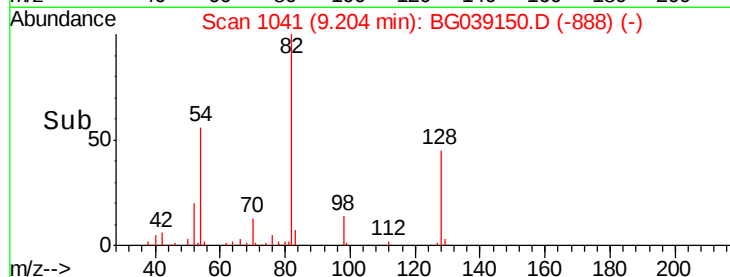
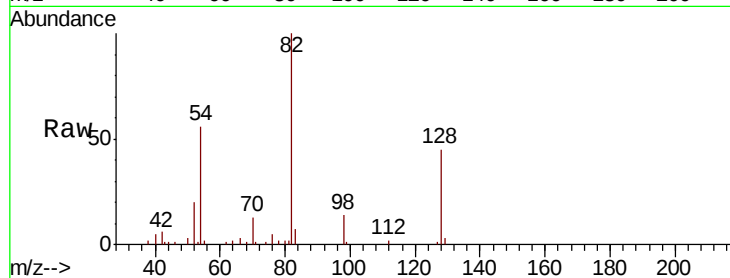
Ion Ratio Lower Upper

70 100

42 46.2 59.0 88.4#

101 0.0 10.4 15.6#

130 0.0 21.6 32.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BG039150.D

Acq: 16 Jan 2019 6:58

Tgt Ion: 136 Resp: 27682

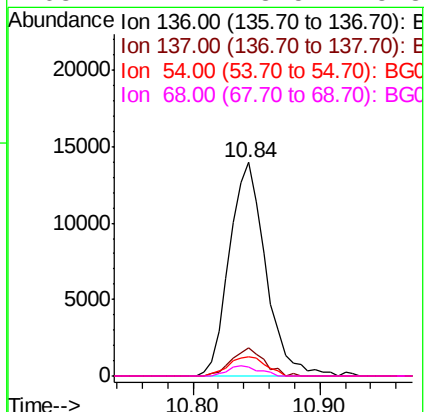
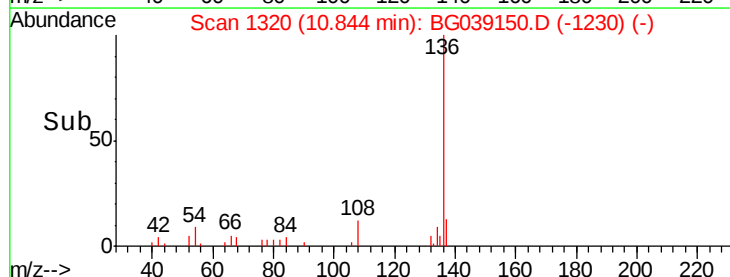
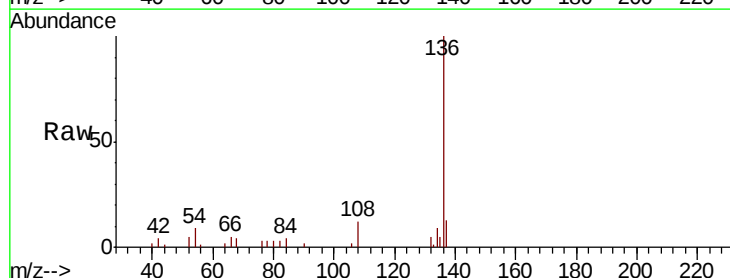
Ion Ratio Lower Upper

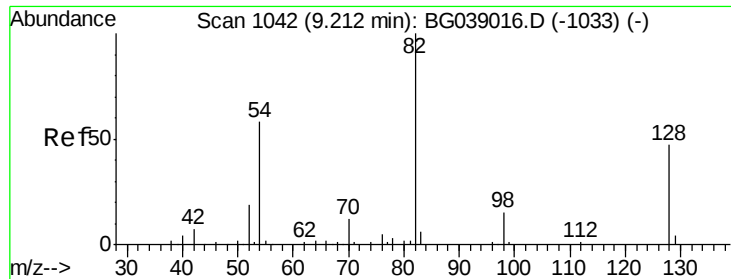
136 100

137 13.1 9.4 14.2

54 9.0 7.2 10.8

68 4.1 3.5 5.3

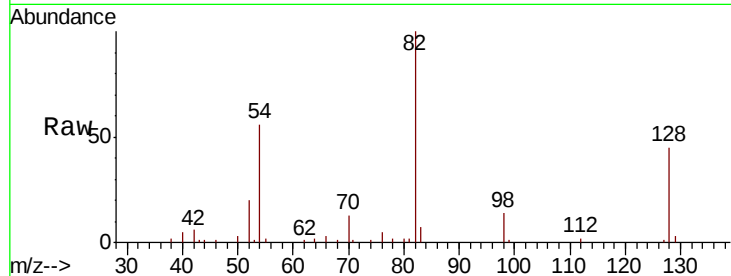




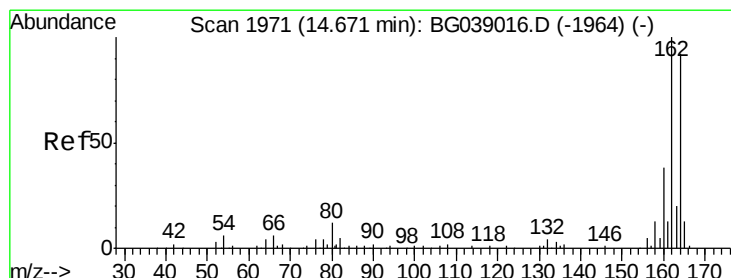
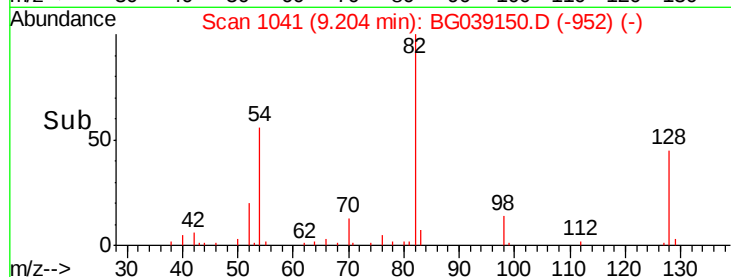
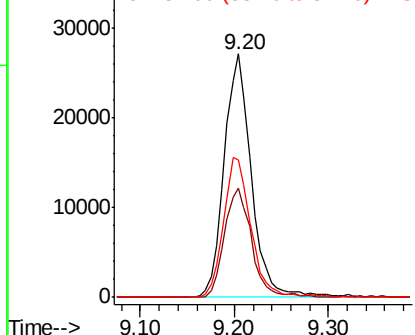
#23
Nitrobenzene-d5
Concen: 107.903 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039150.D
Acq: 16 Jan 2019 6:58

Instrument :
MSVOA_X
ClientSampleId :
NB-07-011419

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.3	55.9
54	56.2	46.4	69.6

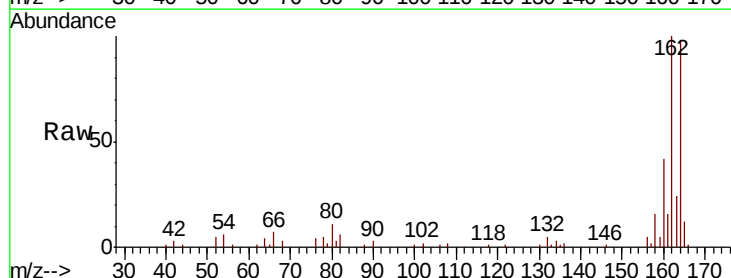


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

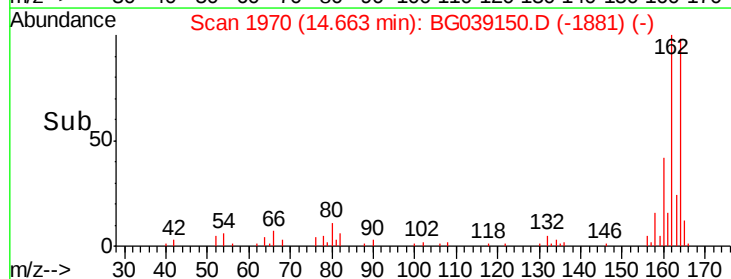
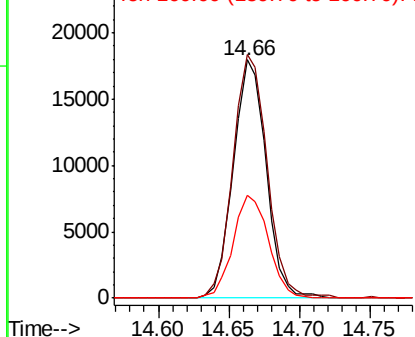


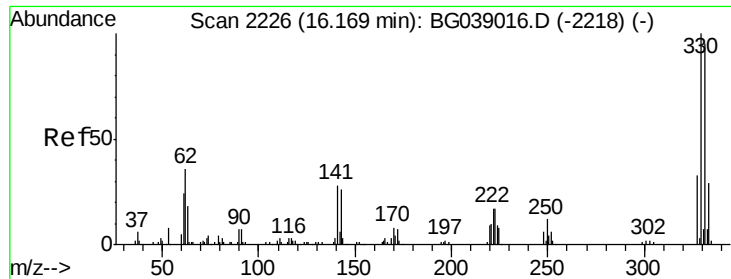
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG039150.D
Acq: 16 Jan 2019 6:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	87.2	130.8
160	43.0	33.3	49.9



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 218.767 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039150.D

Acq: 16 Jan 2019 6:58

Instrument :

MSVOA_X

ClientSampleId :

NB-07-011419

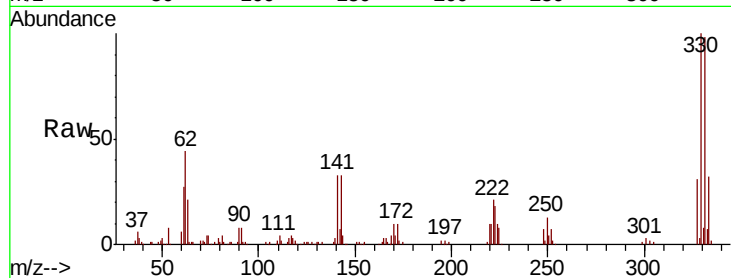
Tgt Ion:330 Resp: 106765

Ion Ratio Lower Upper

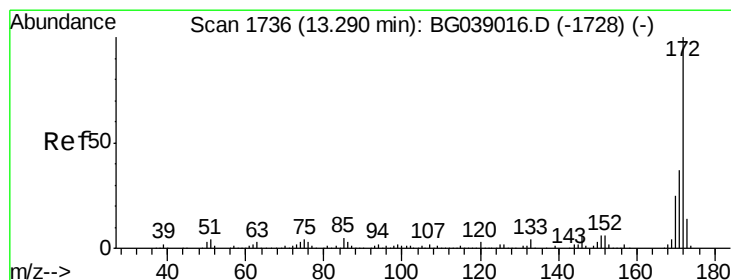
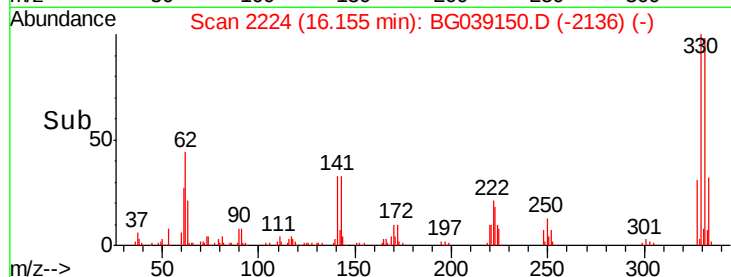
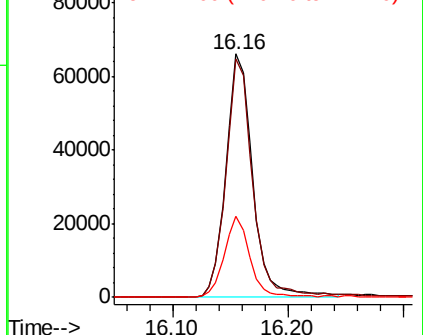
330 100

332 98.4 75.7 113.5

141 32.0 24.9 37.3



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: 80.339 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG039150.D

Acq: 16 Jan 2019 6:58

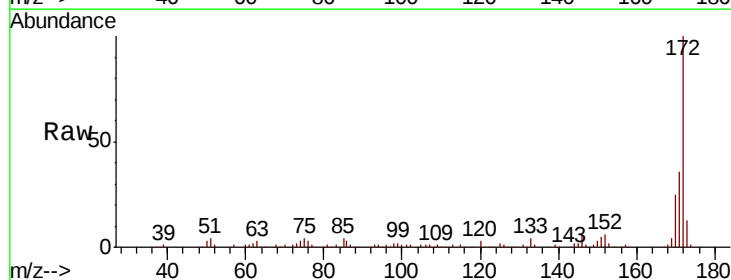
Tgt Ion:172 Resp: 170909

Ion Ratio Lower Upper

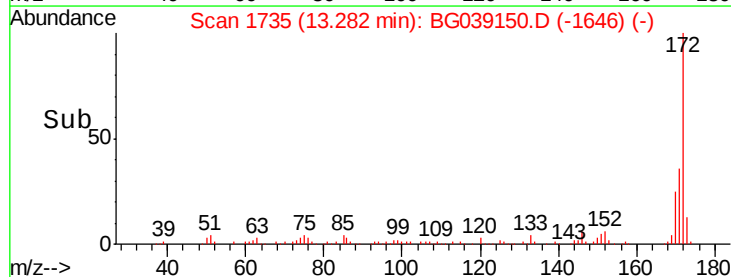
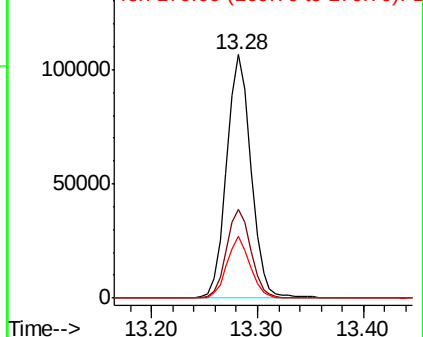
172 100

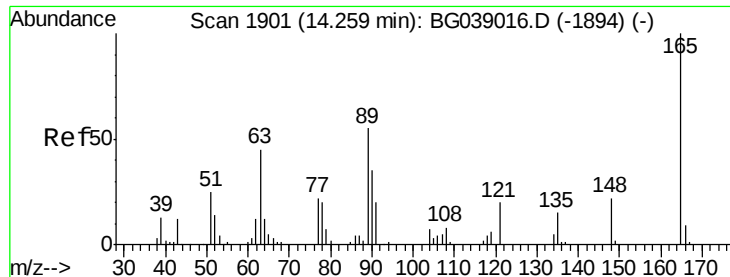
171 36.4 29.4 44.0

170 25.2 20.1 30.1



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

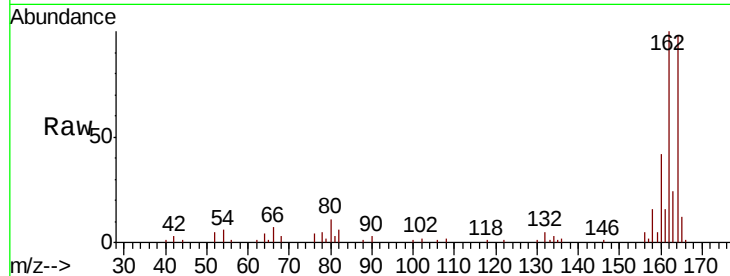




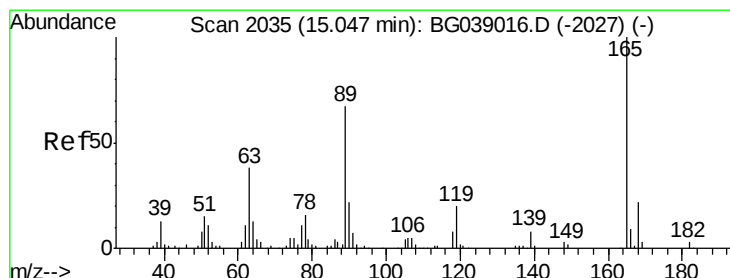
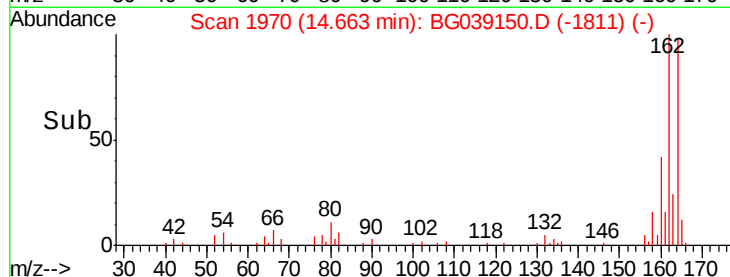
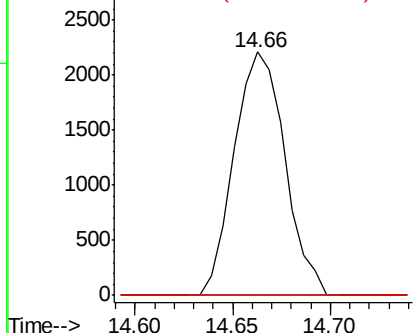
#51
 2,6-Dinitrotoluene
 Concen: 7.223 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039150.D
 Acq: 16 Jan 2019 6:58

Instrument :
 MSVOA_X
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 NB-07-011419

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#

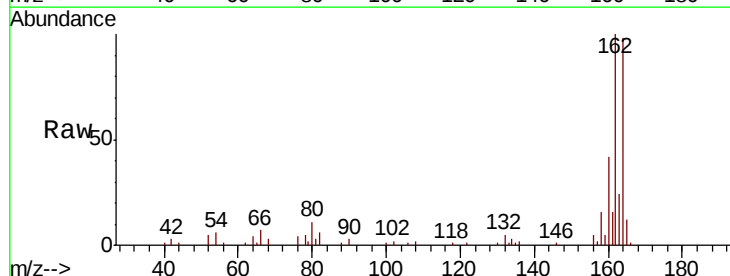


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

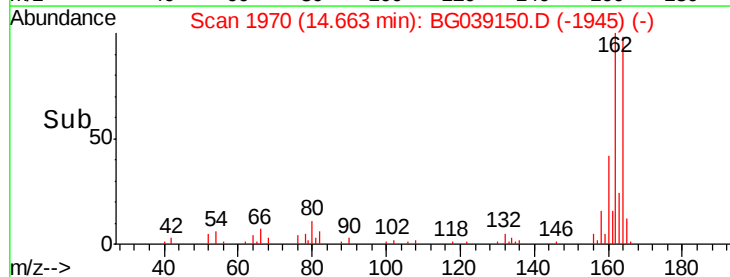
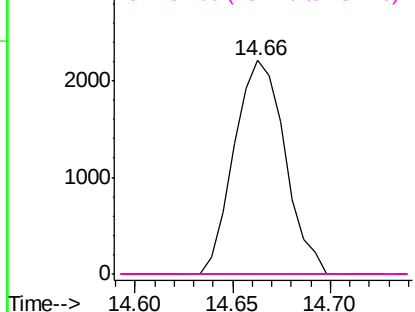


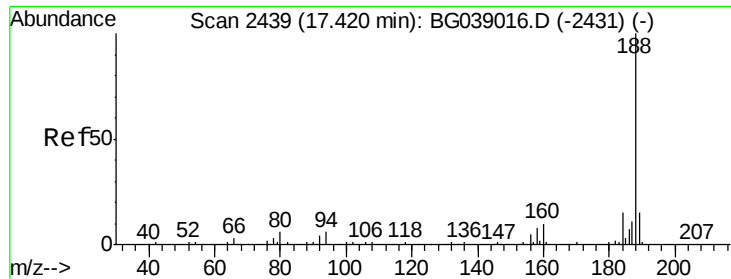
#57
 2,4-Dinitrotoluene
 Concen: 5.035 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039150.D
 Acq: 16 Jan 2019 6:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	53.2	79.8#
182	0.0	2.7	4.1#



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

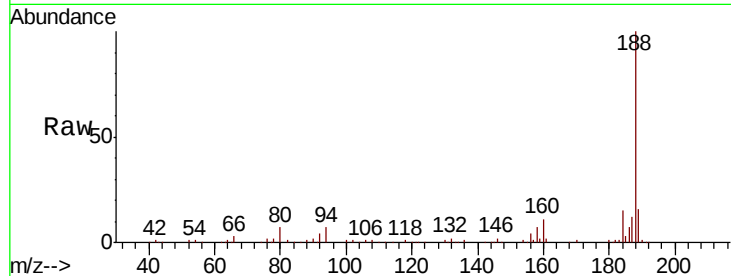




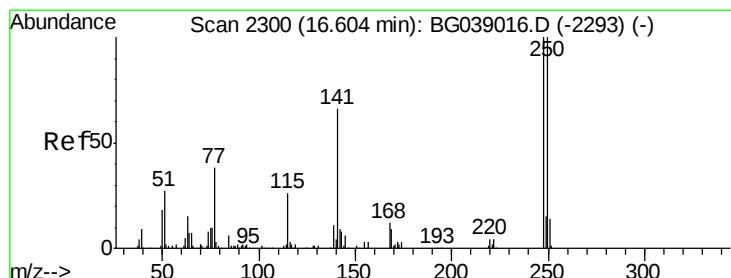
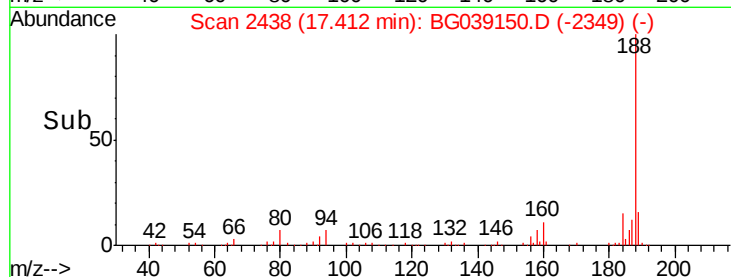
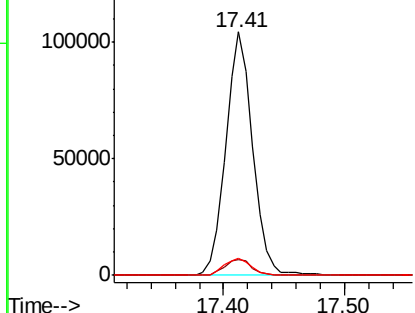
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG039150.D
 Acq: 16 Jan 2019 6:58

Instrument :
 MSVOA_X
 ClientSampleId :
 NB-07-011419

Tgt Ion:188 Resp: 160110
 Ion Ratio Lower Upper
 188 100
 94 6.7 5.0 7.4
 80 7.1 4.7 7.1#

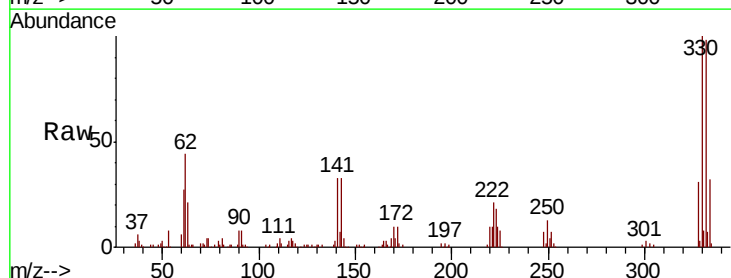


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

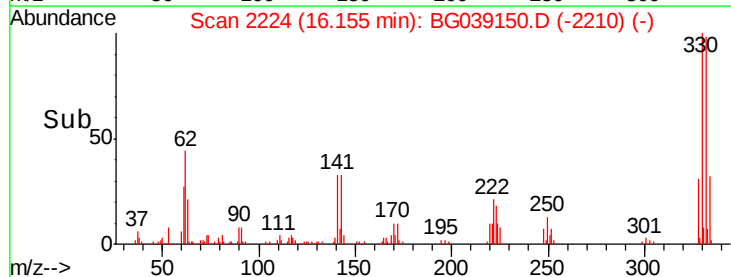
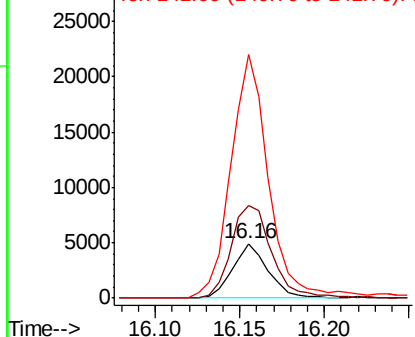


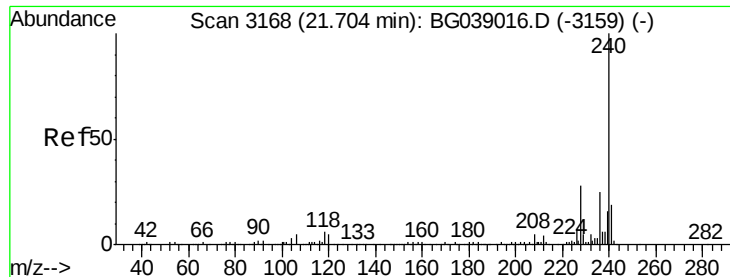
#67
 4-Bromophenyl-phenylether
 Concen: 3.489 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG039150.D
 Acq: 16 Jan 2019 6:58

Tgt Ion:248 Resp: 7181
 Ion Ratio Lower Upper
 248 100
 250 175.0 79.9 119.9#
 141 352.6 52.7 79.1#



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

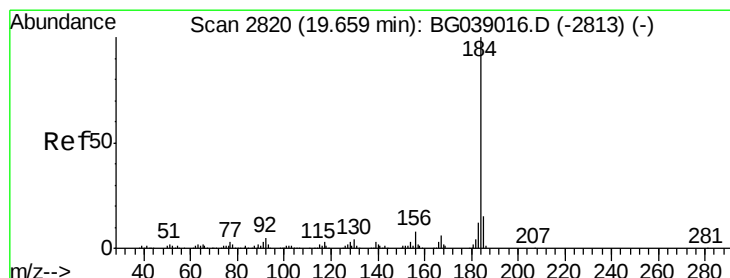
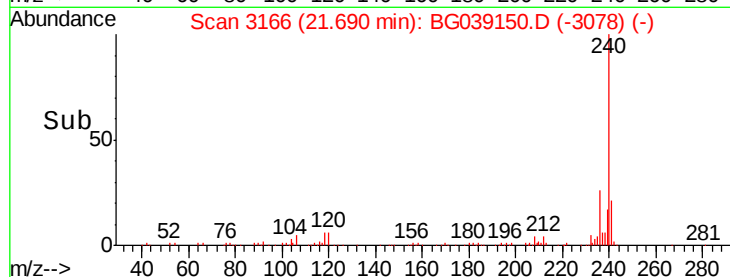
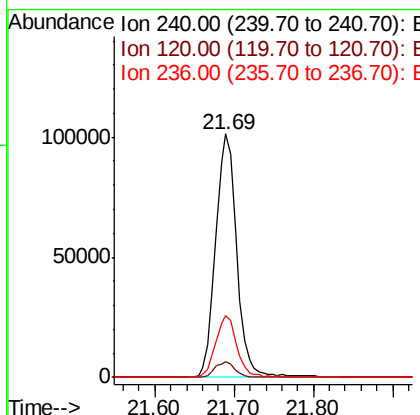
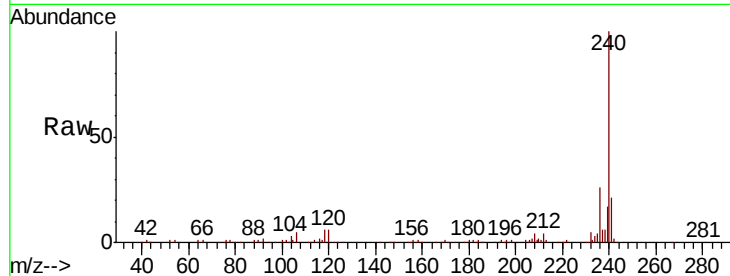




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG039150.D
Acq: 16 Jan 2019 6:58

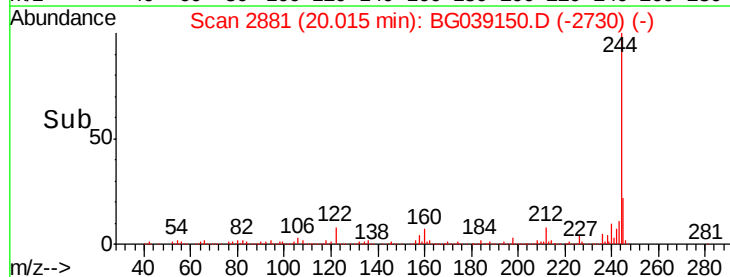
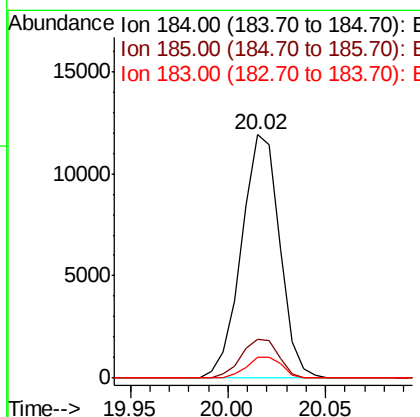
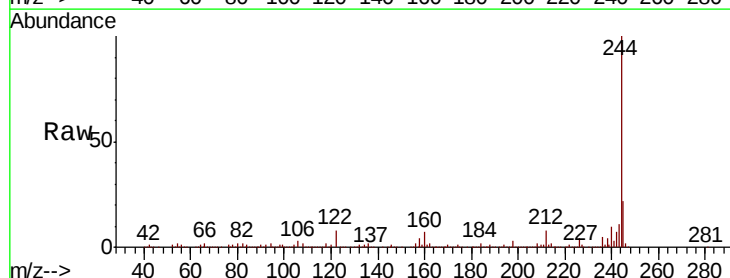
Instrument :
MSVOA_X
ClientSampleId :
NB-07-011419

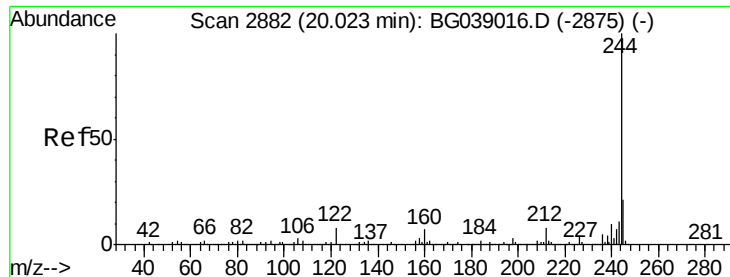
Tgt Ion:240 Resp: 186835
Ion Ratio Lower Upper
240 100
120 6.3 4.3 6.5
236 25.5 20.1 30.1



#77
Benzidine
Concen: 2.829 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.36 min
Lab File: BG039150.D
Acq: 16 Jan 2019 6:58

Tgt Ion:184 Resp: 16166
Ion Ratio Lower Upper
184 100
185 15.7 12.1 18.1
183 8.5 9.5 14.3#





#79

Terphenyl-d14

Concen: 98.572 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039150.D

Acq: 16 Jan 2019 6:58

Instrument :

MSVOA_X

ClientSampleId :

NB-07-011419

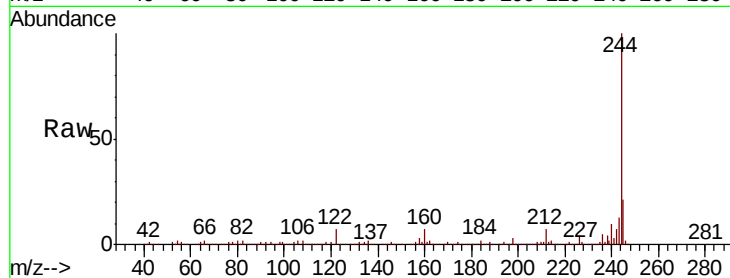
Tgt Ion:244 Resp: 995558

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

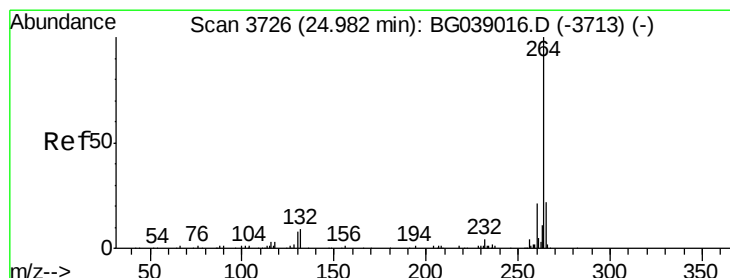
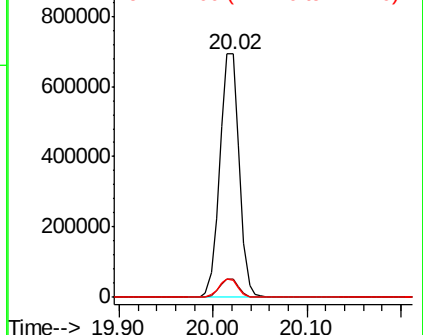
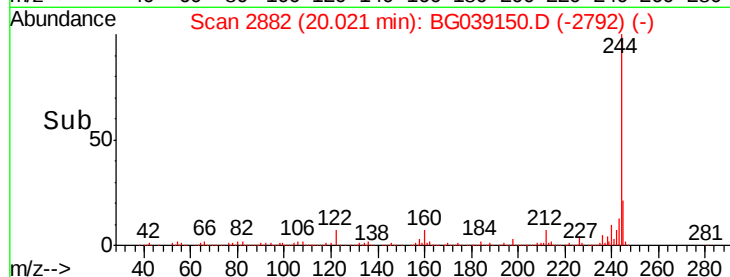
122 6.8 6.1 9.1



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: 24.96 min Scan# 3723

Delta R.T. -0.02 min

Lab File: BG039150.D

Acq: 16 Jan 2019 6:58

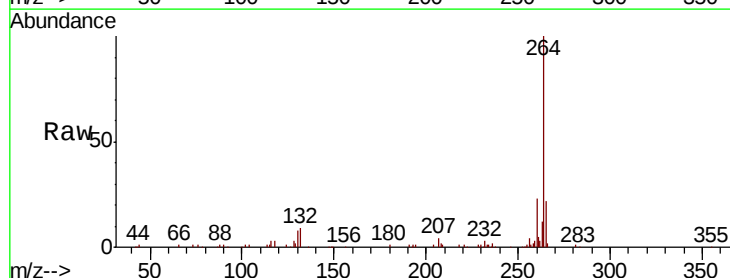
Tgt Ion:264 Resp: 181529

Ion Ratio Lower Upper

264 100

260 22.7 17.0 25.6

265 21.8 17.2 25.8



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

