

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011519\
 Data File : BG039151.D
 Acq On : 16 Jan 2019 7:37
 Operator : JU/SJ
 Sample : K1015-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-011119-A

Quant Time: Jan 16 08:15:23 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	7404	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	40691	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	36902	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	154056	20.00	ng	0.00
76) Chrysene-d12	21.69	240	187413	20.00	ng	-0.01
87) Perylene-d12	24.97	264	176856	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	76768	196.69	ng	0.00
7) Phenol-d6	7.18	99	96783	172.30	ng	0.00
23) Nitrobenzene-d5	9.20	82	69962	94.08	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	128194	207.24	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	249236	92.43	ng	0.00
79) Terphenyl-d14	20.02	244	1097992	108.38	ng	0.00

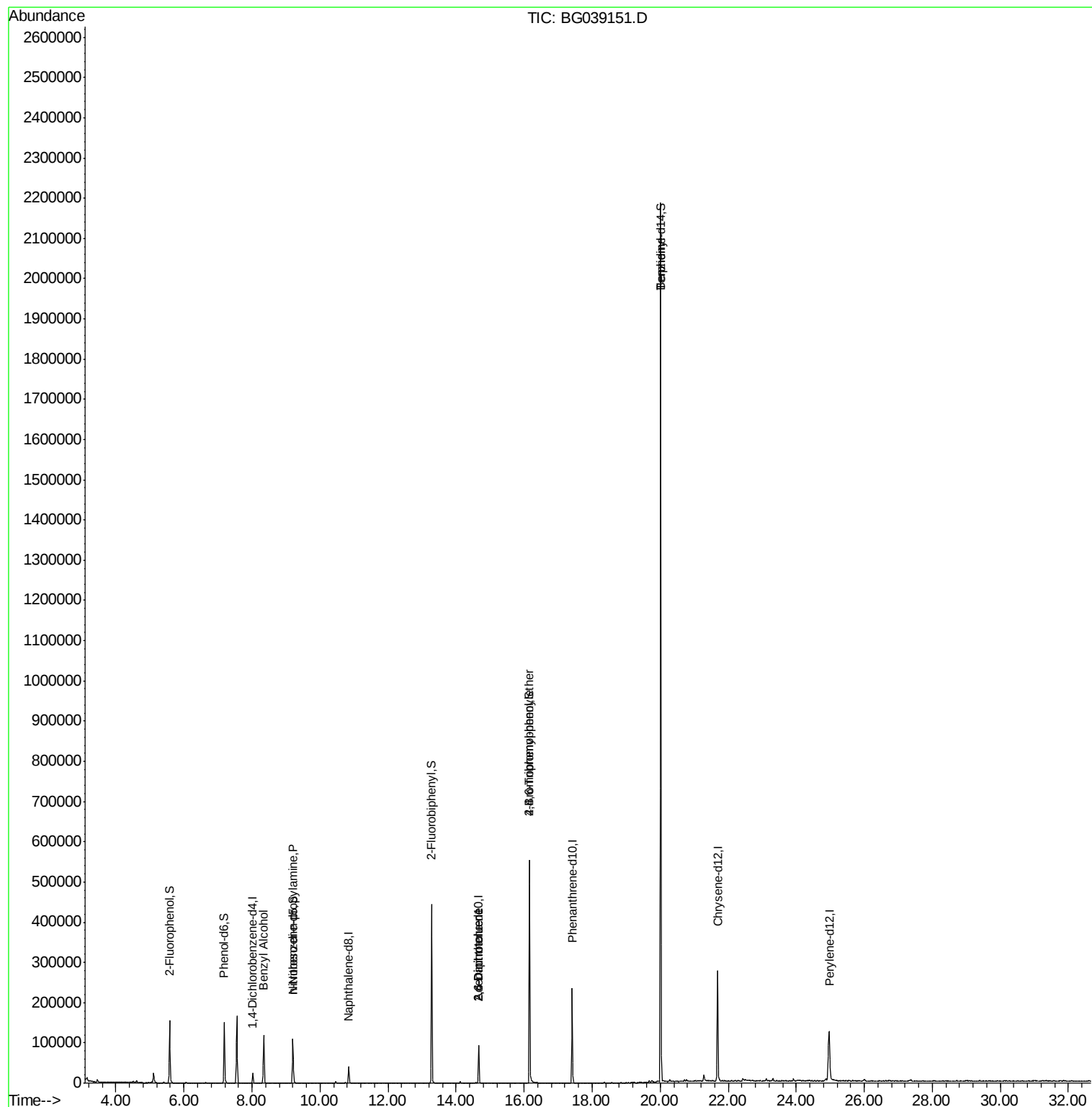
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.34	79	926	2.189	ng	# 53
19) n-Nitroso-di-n-propylamine	9.20	70	9123	24.733	ng	# 61
51) 2,6-Dinitrotoluene	14.66	165	4614	6.618	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	4614	4.613	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	8181	4.131	ng	# 1
77) Benzidine	20.02	184	17555	3.062	ng	# 95

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

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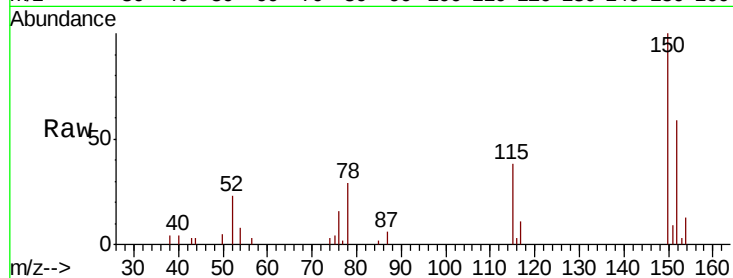




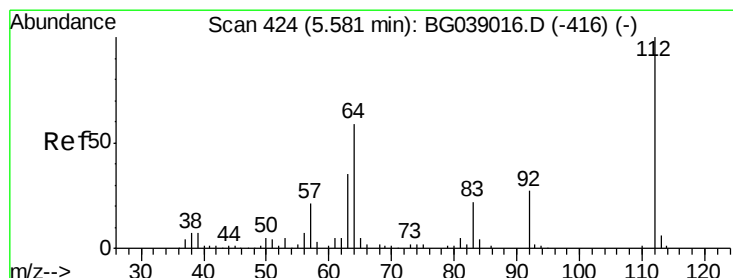
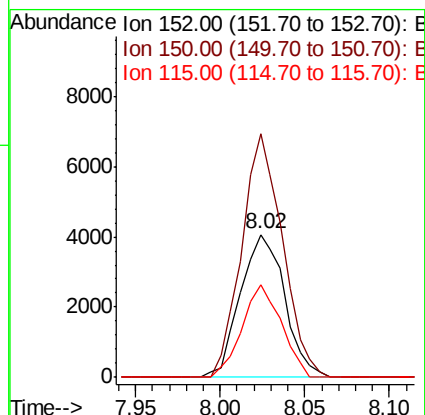
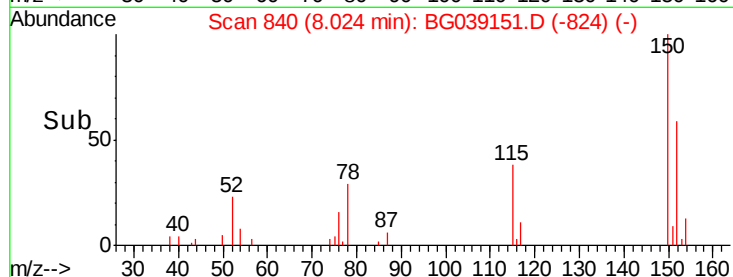
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG039151.D
 Acq: 16 Jan 2019 7:37

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-011119-A

Tgt Ion:152 Resp: 7404
 Ion Ratio Lower Upper
 152 100
 150 170.2 124.7 187.1
 115 64.7 46.5 69.7

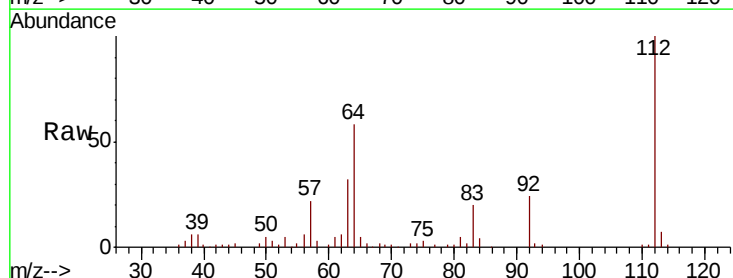


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

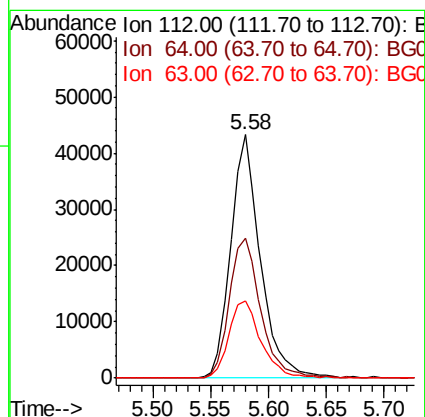
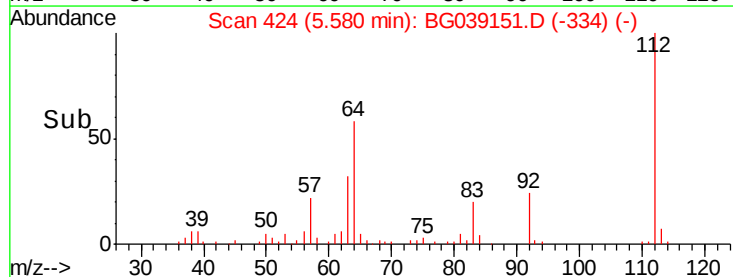


#5
 2-Fluorophenol
 Concen: 196.688 ng
 RT: 5.58 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: BG039151.D
 Acq: 16 Jan 2019 7:37

Tgt Ion:112 Resp: 76768
 Ion Ratio Lower Upper
 112 100
 64 57.6 47.0 70.6
 63 31.9 28.0 42.0



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: 172.304 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039151.D

Acq: 16 Jan 2019 7:37

Instrument :

MSVOA_X

ClientSampleId :

SU-02-011119-A

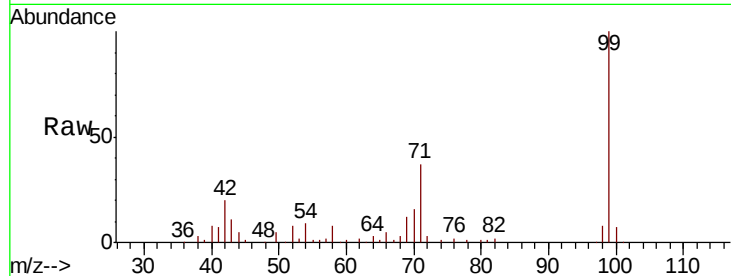
Tgt Ion: 99 Resp: 96783

Ion Ratio Lower Upper

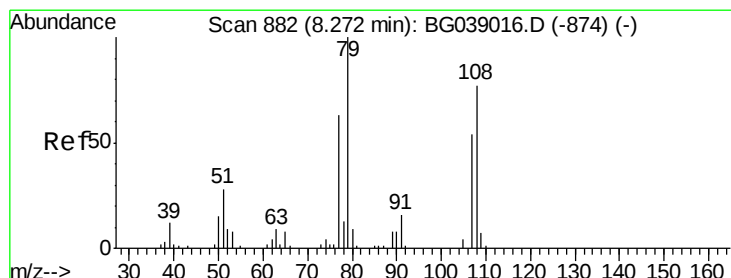
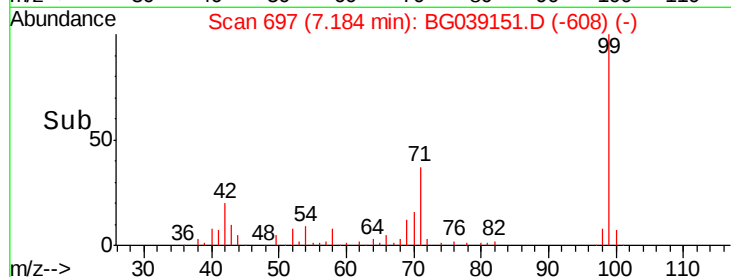
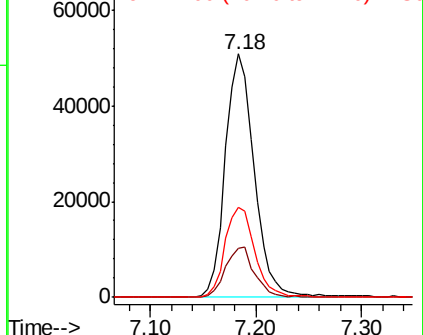
99 100

42 20.4 15.8 23.6

71 37.1 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: 2.189 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.07 min

Lab File: BG039151.D

Acq: 16 Jan 2019 7:37

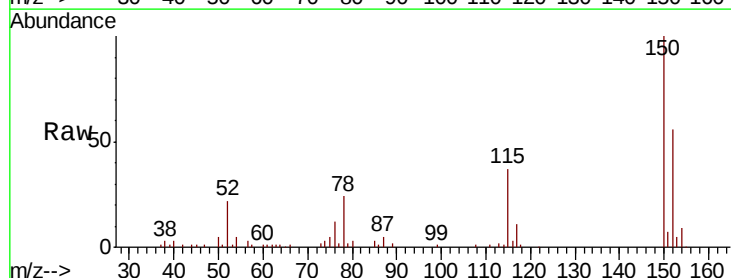
Tgt Ion: 79 Resp: 926

Ion Ratio Lower Upper

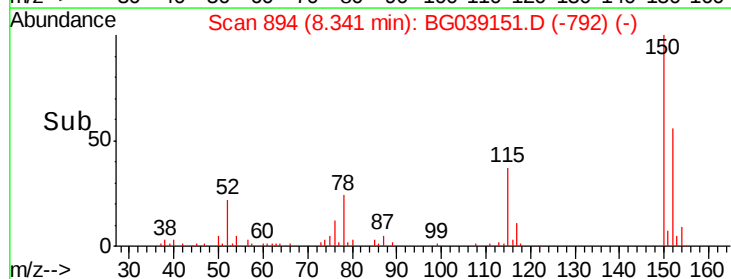
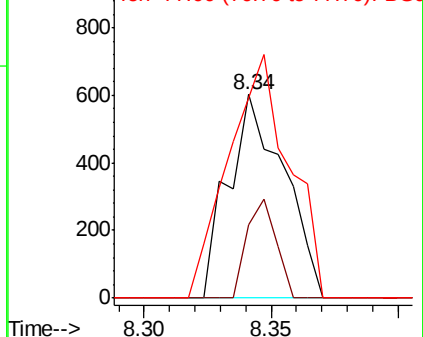
79 100

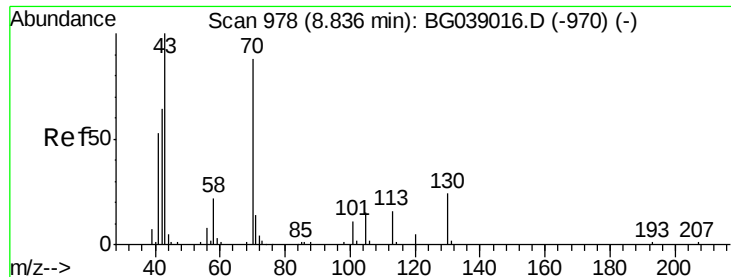
108 36.0 62.0 93.0#

77 98.3 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

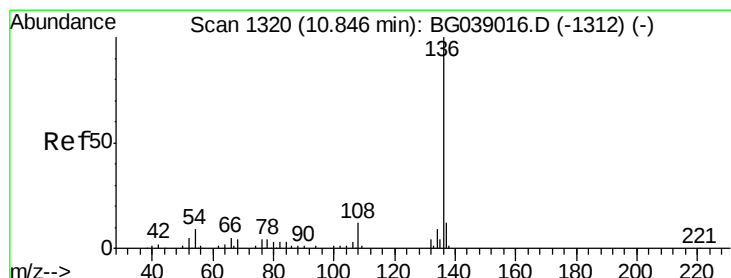
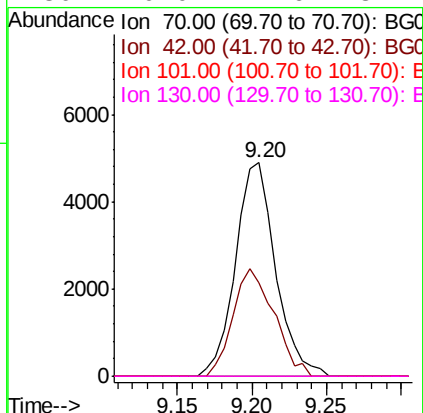
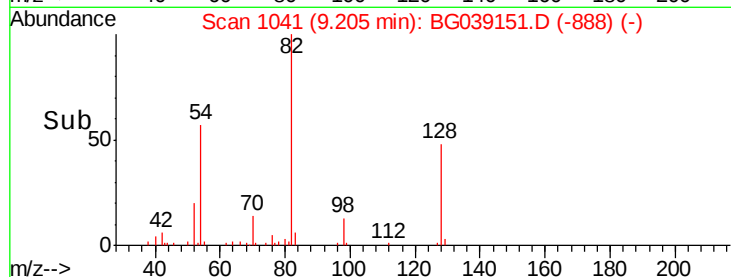
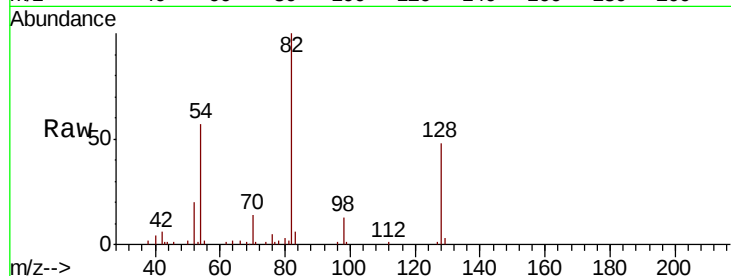




#19
n-Nitroso-di-n-propylamine
Concen: 24.733 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.37 min
Lab File: BG039151.D
Acq: 16 Jan 2019 7:37

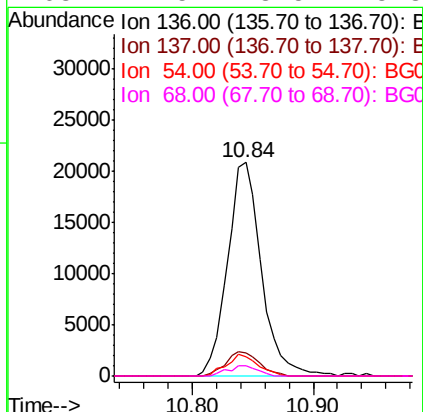
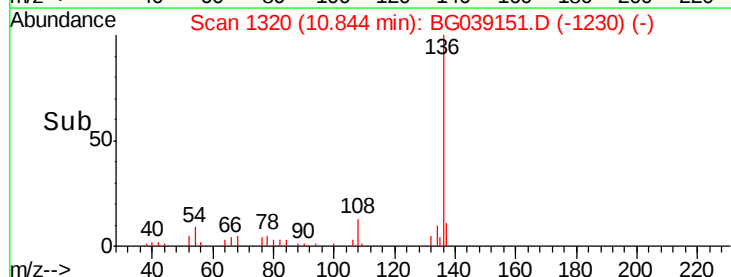
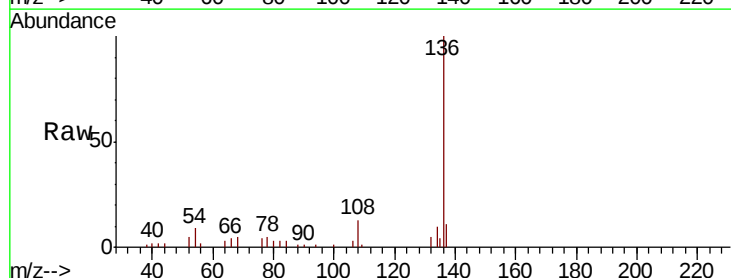
Instrument :
MSVOA_X
ClientSampleId :
SU-02-011119-A

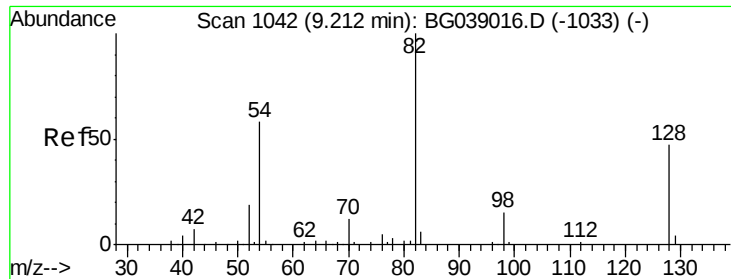
Tgt Ion: 70 Resp: 9123
Ion Ratio Lower Upper
70 100
42 43.9 59.0 88.4#
101 0.0 10.4 15.6#
130 0.0 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039151.D
Acq: 16 Jan 2019 7:37

Tgt Ion: 136 Resp: 40691
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.2
54 8.8 7.2 10.8
68 4.5 3.5 5.3

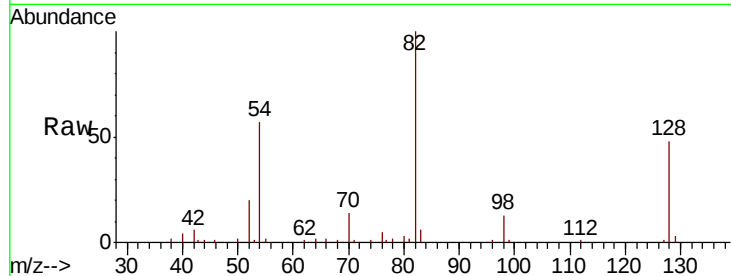




#23
Nitrobenzene-d5
Concen: 94.082 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039151.D
Acq: 16 Jan 2019 7:37

Instrument :
MSVOA_X
ClientSampleId :
SU-02-011119-A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.3	55.9
54	56.6	46.4	69.6

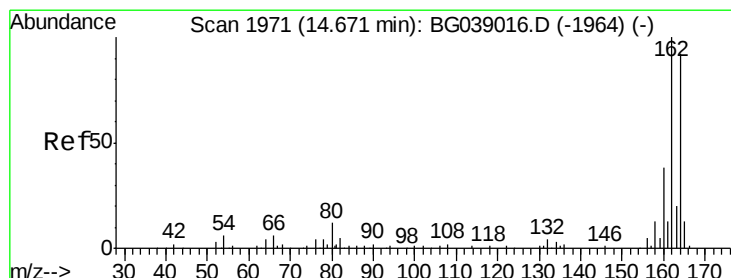
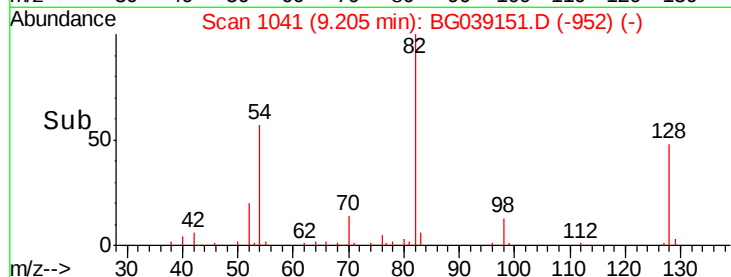
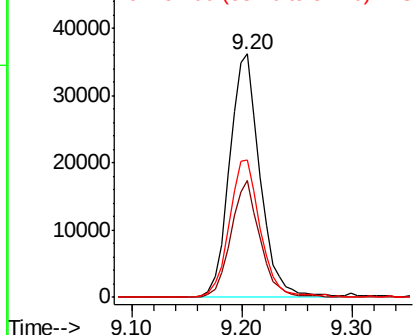


Abundance

Ion 82.00 (81.70 to 82.70): BGC

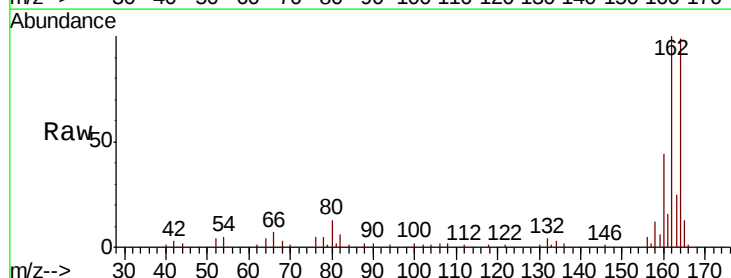
Ion 128.00 (127.70 to 128.70): BGC

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: BG039151.D
Acq: 16 Jan 2019 7:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	87.2	130.8
160	44.6	33.3	49.9

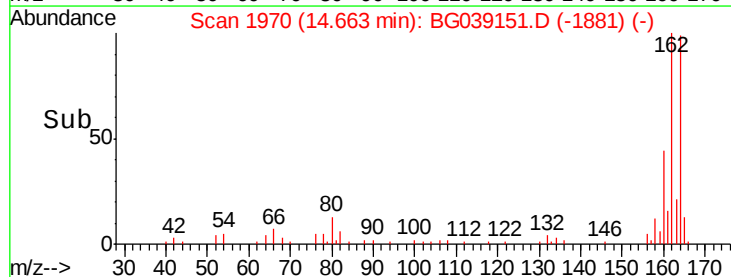
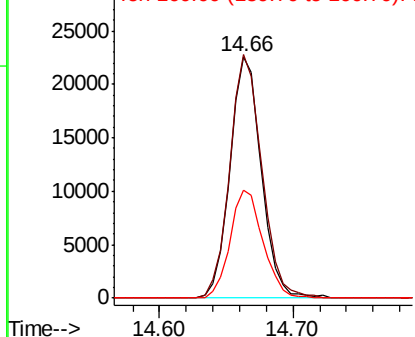


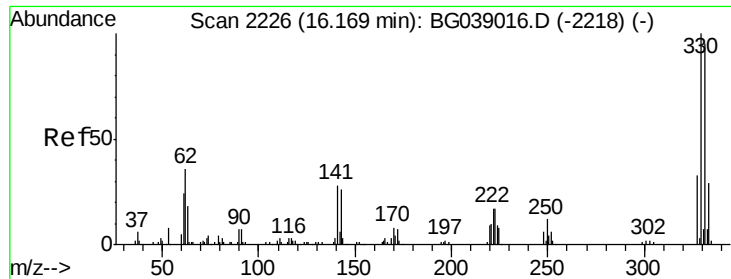
Abundance

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

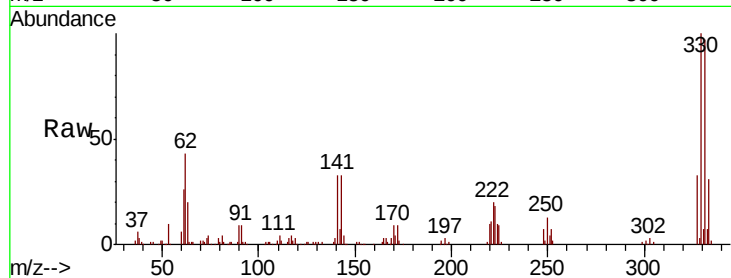




#42
 2,4,6-Tribromophenol
 Concen: 207.239 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG039151.D
 Acq: 16 Jan 2019 7:37

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-011119-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	75.7	113.5
141	30.7	24.9	37.3

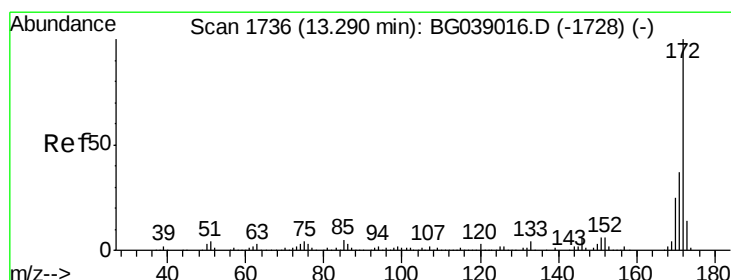
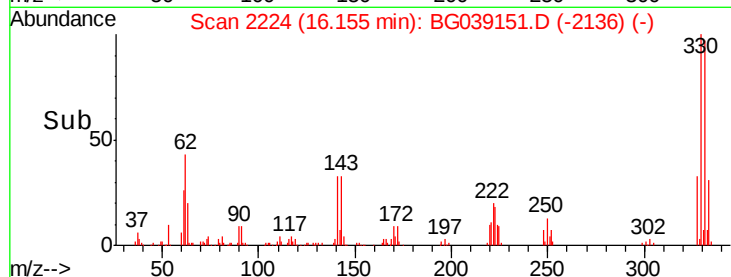
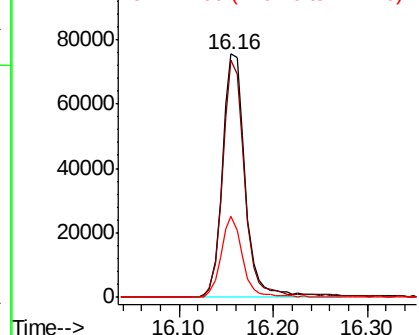


Abundance

Ion 329.80 (329.50 to 330.50): E

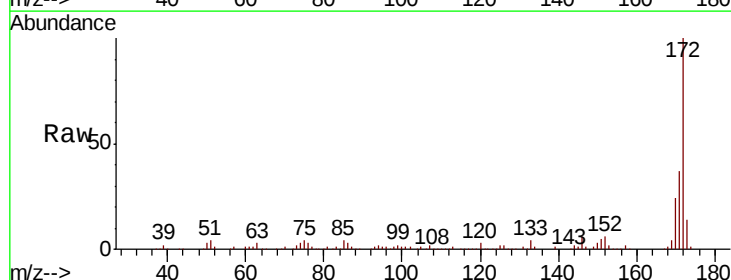
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.433 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039151.D
 Acq: 16 Jan 2019 7:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.0
170	23.6	20.1	30.1

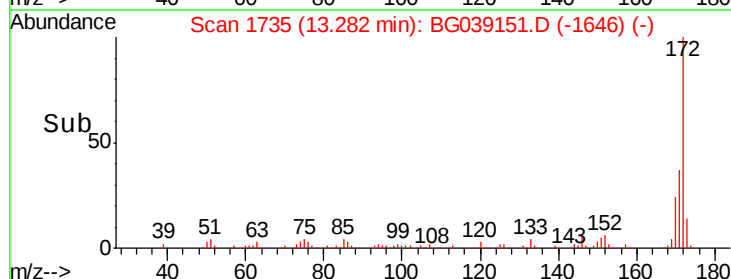
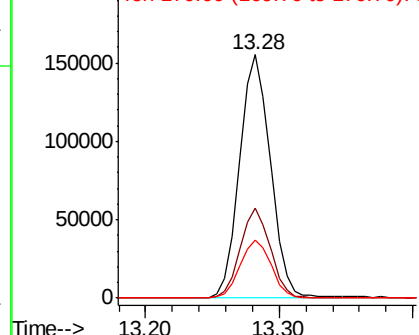


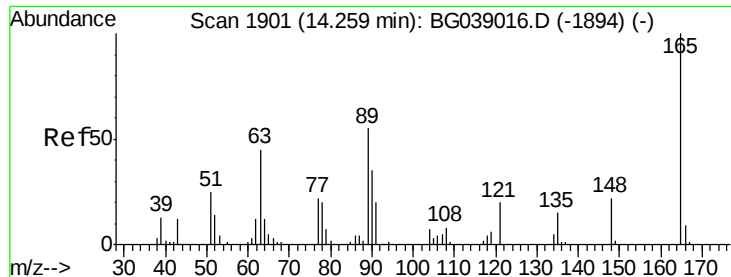
Abundance

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: 6.618 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.40 min

Lab File: BG039151.D

Acq: 16 Jan 2019 7:37

Instrument :

MSVOA_X

ClientSampleId :

SU-02-011119-A

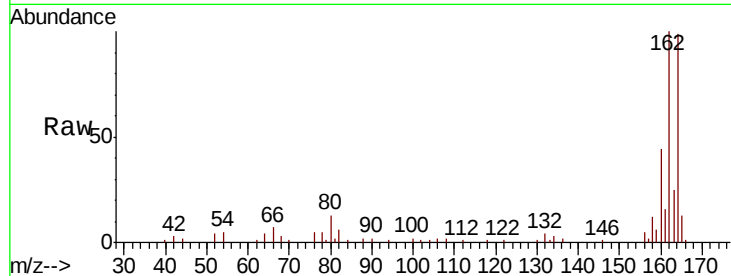
Tgt Ion:165 Resp: 4614

Ion Ratio Lower Upper

165 100

63 0.0 43.6 65.4#

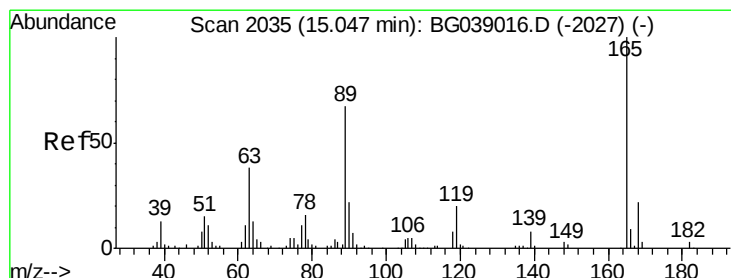
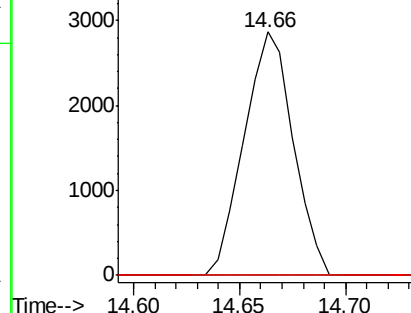
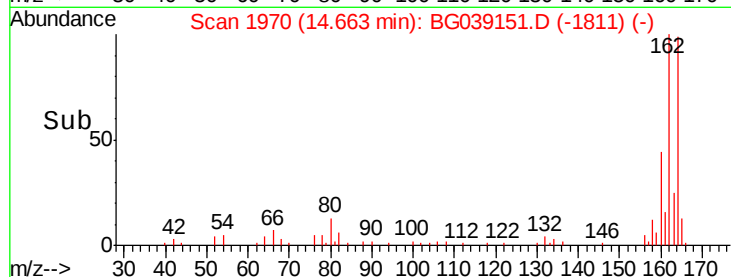
89 0.0 43.7 65.5#



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: 4.613 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.38 min

Lab File: BG039151.D

Acq: 16 Jan 2019 7:37

Tgt Ion:165 Resp: 4614

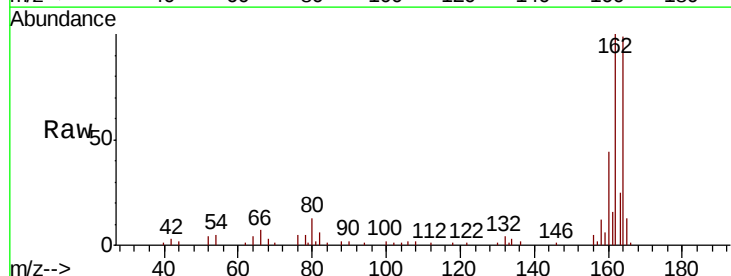
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#

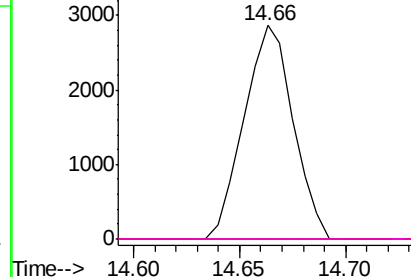
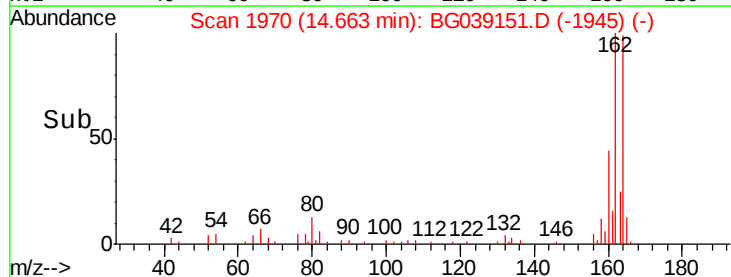


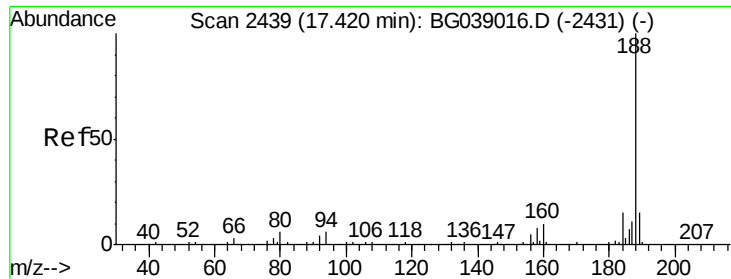
Abundance Ion 165.00 (164.70 to 165.70): E

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

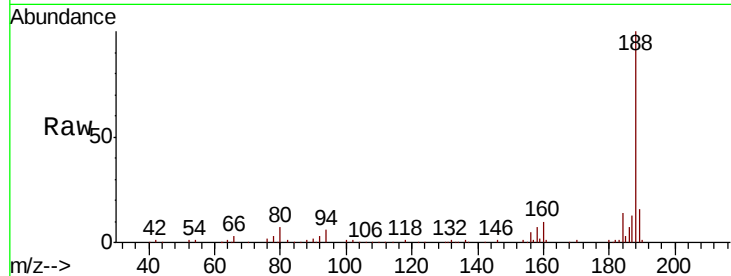




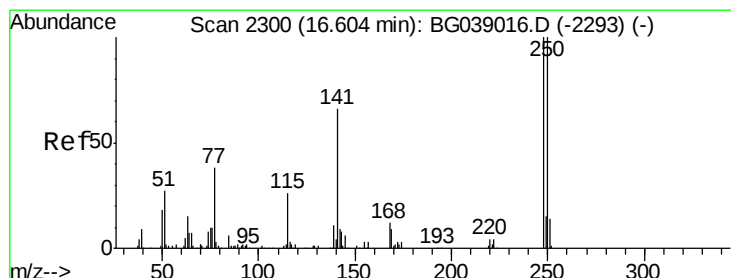
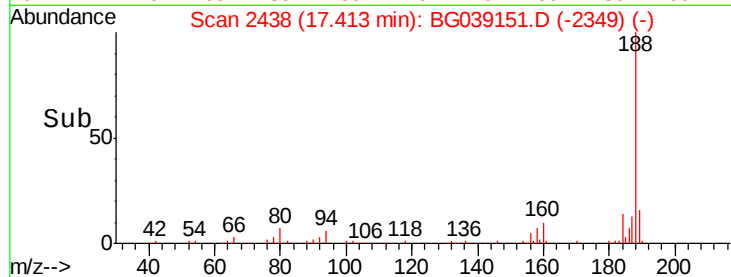
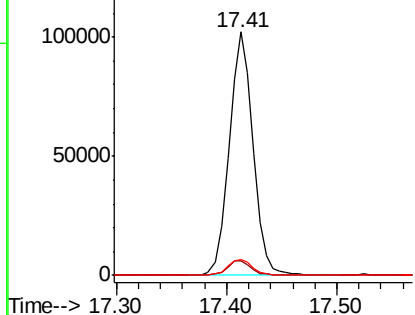
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG039151.D
Acq: 16 Jan 2019 7:37

Instrument :
MSVOA_X
ClientSampleId :
SU-02-011119-A

Tgt Ion:188 Resp: 154056
Ion Ratio Lower Upper
188 100
94 6.2 5.0 7.4
80 6.6 4.7 7.1

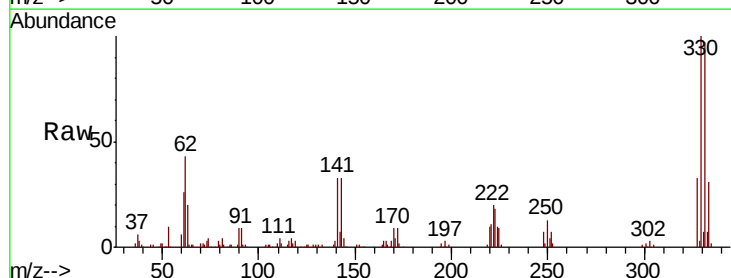


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

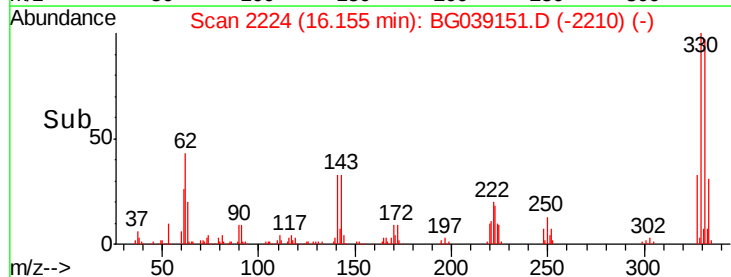
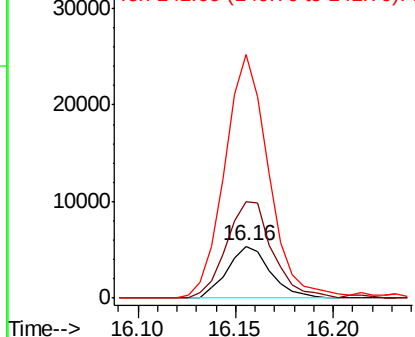


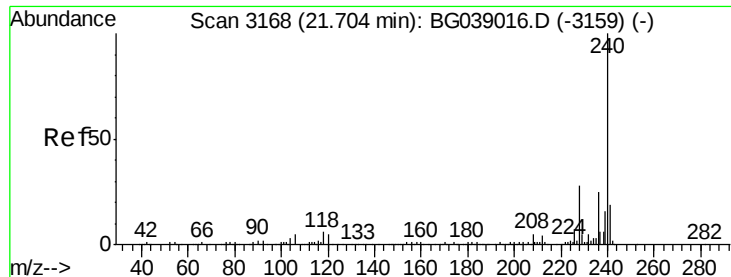
#67
4-Bromophenyl-phenylether
Concen: 4.131 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.45 min
Lab File: BG039151.D
Acq: 16 Jan 2019 7:37

Tgt Ion:248 Resp: 8181
Ion Ratio Lower Upper
248 100
250 141.9 79.9 119.9#
141 356.0 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: BG039151.D

Acq: 16 Jan 2019 7:37

Instrument :

MSVOA_X

ClientSampleId :

SU-02-011119-A

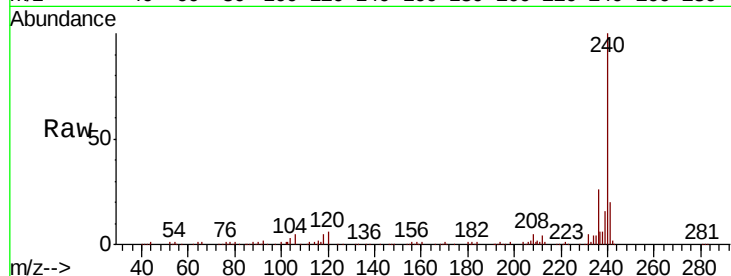
Tgt Ion:240 Resp: 187413

Ion Ratio Lower Upper

240 100

120 6.1 4.3 6.5

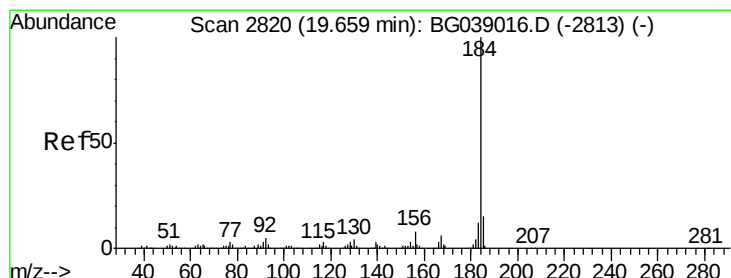
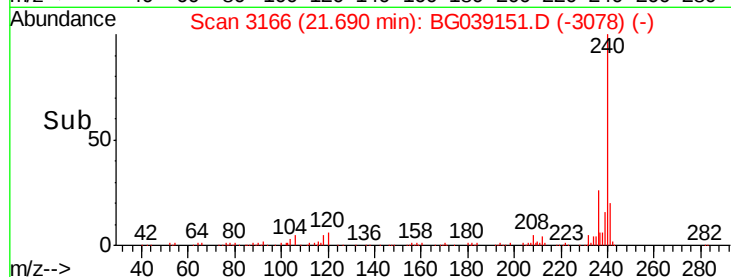
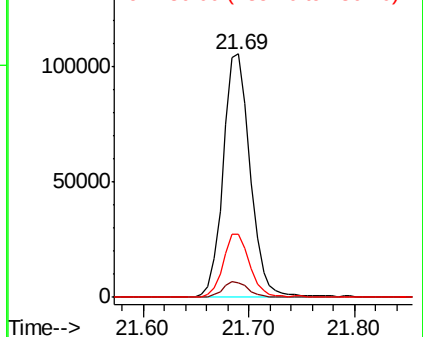
236 25.7 20.1 30.1



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: 3.062 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039151.D

Acq: 16 Jan 2019 7:37

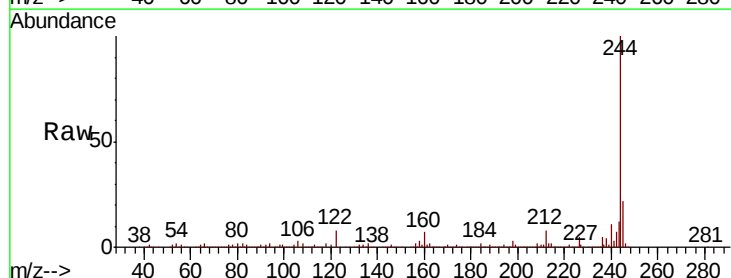
Tgt Ion:184 Resp: 17555

Ion Ratio Lower Upper

184 100

185 14.5 12.1 18.1

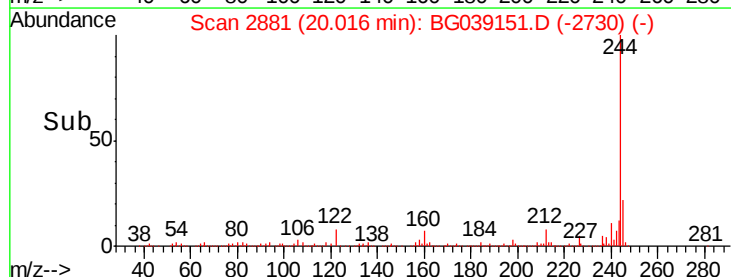
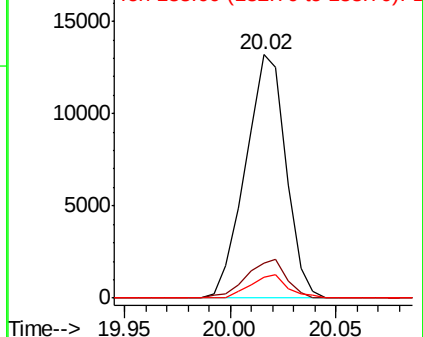
183 8.3 9.5 14.3#

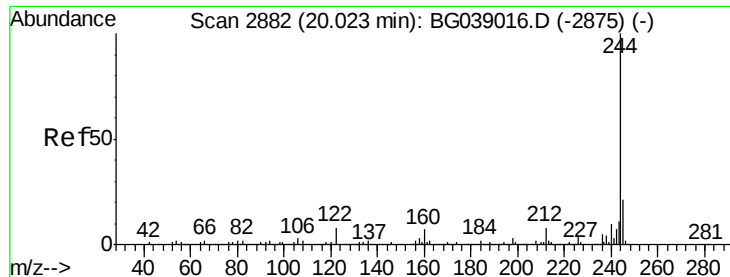


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 108.379 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039151.D

Acq: 16 Jan 2019 7:37

Instrument :

MSVOA_X

ClientSampleId :

SU-02-011119-A

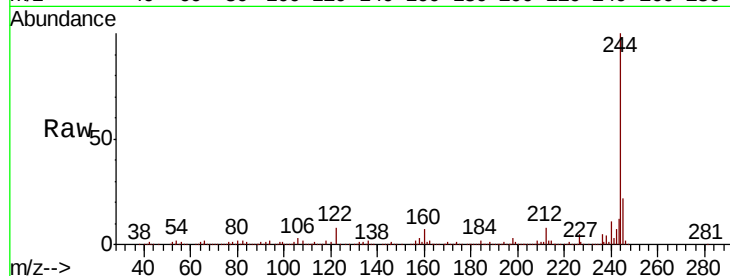
Tgt Ion:244 Resp: 1097992

Ion Ratio Lower Upper

244 100

212 8.3 6.1 9.1

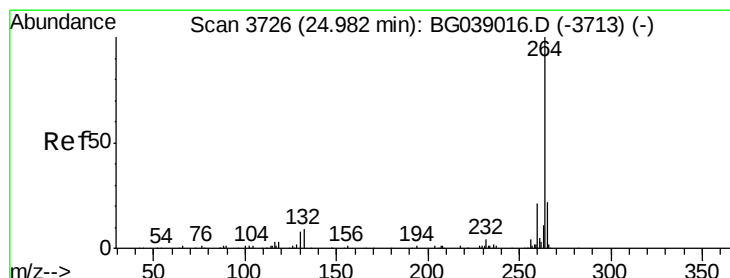
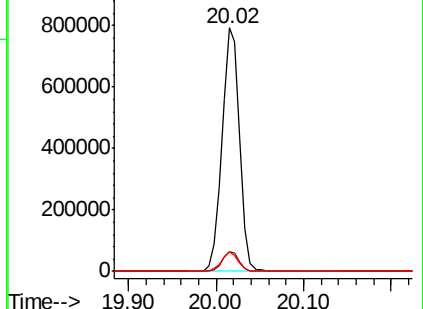
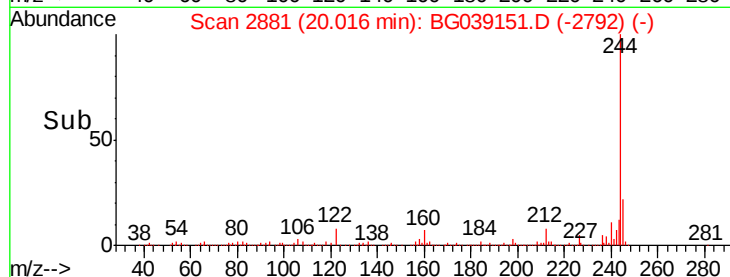
122 7.8 6.1 9.1



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: 24.97 min Scan# 3724

Delta R.T. -0.01 min

Lab File: BG039151.D

Acq: 16 Jan 2019 7:37

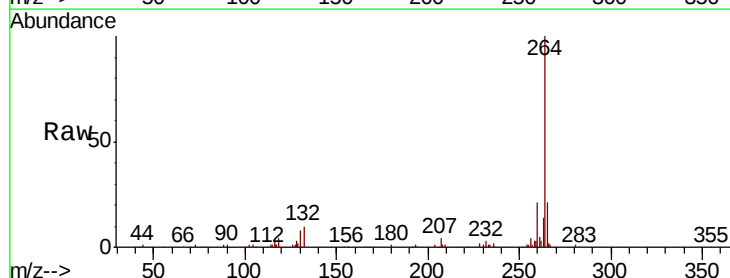
Tgt Ion:264 Resp: 176856

Ion Ratio Lower Upper

264 100

260 21.1 17.0 25.6

265 21.1 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

