

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039298.D
 Acq On : 26 Jan 2019 5:50
 Operator : JU/SJ
 Sample : K1238-20
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S2

Quant Time: Jan 28 03:17:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

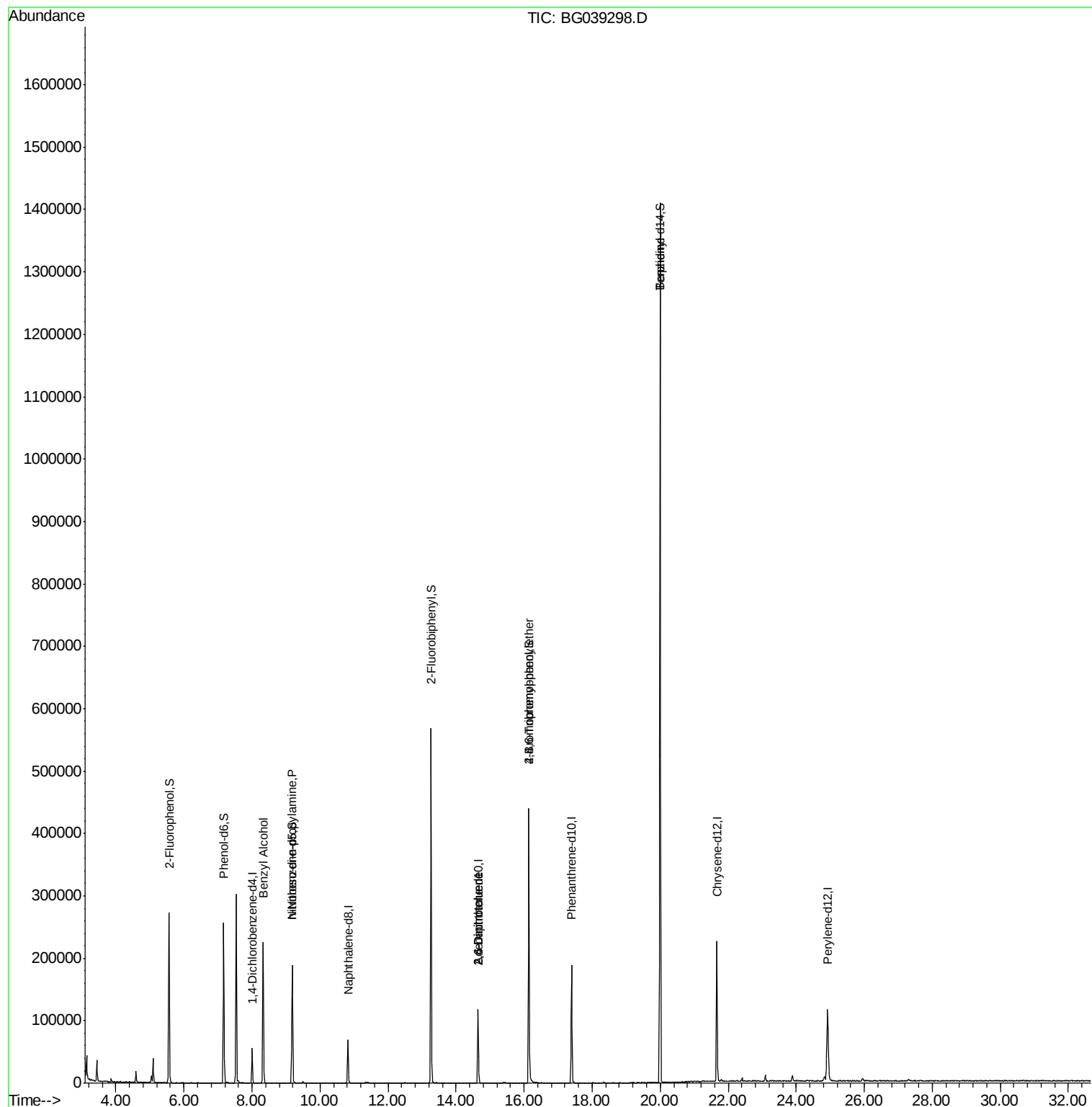
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	16264	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	63605	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	45168	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	125474	20.00	ng	0.00
76) Chrysene-d12	21.67	240	141594	20.00	ng	-0.01
87) Perylene-d12	24.92	264	148257	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	128734	150.15	ng	0.00
7) Phenol-d6	7.17	99	160348	129.96	ng	0.00
23) Nitrobenzene-d5	9.18	82	118088	101.59	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	99018	130.78	ng	-0.01
45) 2-Fluorobiphenyl	13.26	172	312952	94.82	ng	0.00
79) Terphenyl-d14	20.00	244	687719	89.85	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.32	79	1904	2.049	ng	# 54
19) n-Nitroso-di-n-propylamine	9.18	70	15706	19.384	ng	# 63
51) 2,6-Dinitrotoluene	14.65	165	5804	6.801	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	5804	4.741	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	6549	4.060	ng	# 1
77) Benzidine	20.00	184	10547	2.435	ng	# 94

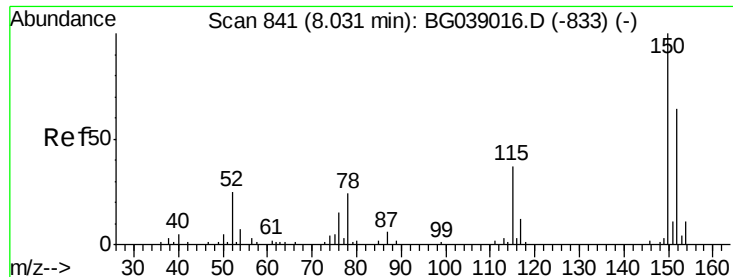
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



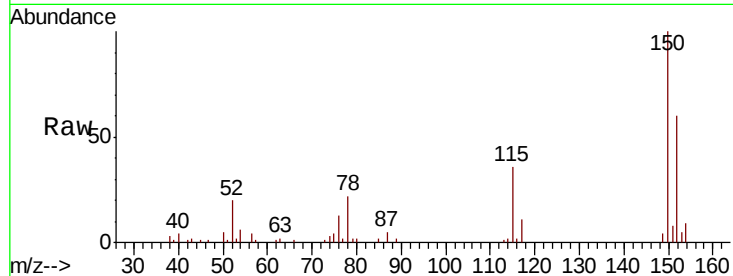


#1

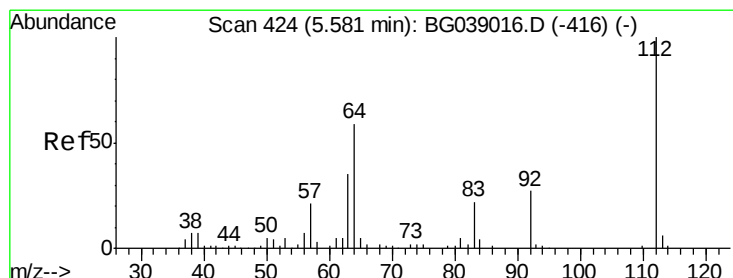
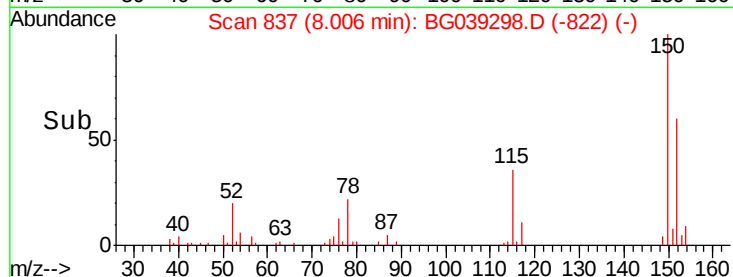
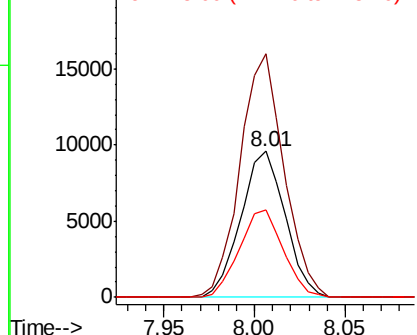
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039298.D
Acq: 26 Jan 2019 5:50

Instrument :
BNA_G
ClientSampleId :
S2

Tgt Ion:152 Resp: 16264
Ion Ratio Lower Upper
152 100
150 167.0 124.7 187.1
115 60.2 46.5 69.7



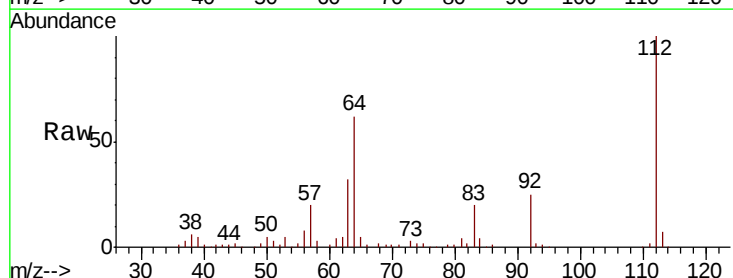
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



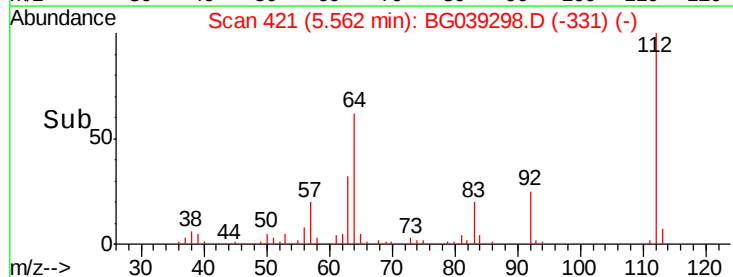
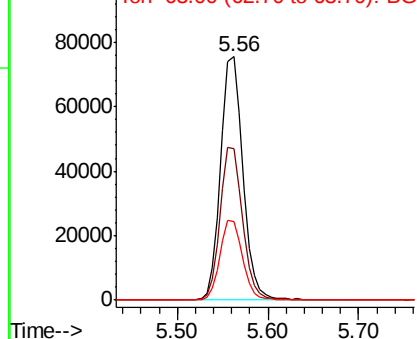
#5

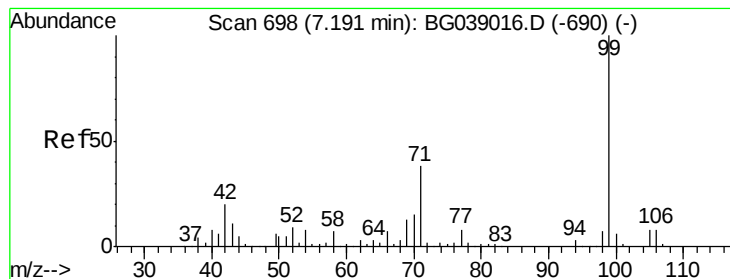
2-Fluorophenol
Concen: 150.151 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039298.D
Acq: 26 Jan 2019 5:50

Tgt Ion:112 Resp: 128734
Ion Ratio Lower Upper
112 100
64 62.5 47.0 70.6
63 32.1 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: 129.957 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039298.D

Acq: 26 Jan 2019 5:50

Instrument :

BNA_G

ClientSampleId :

S2

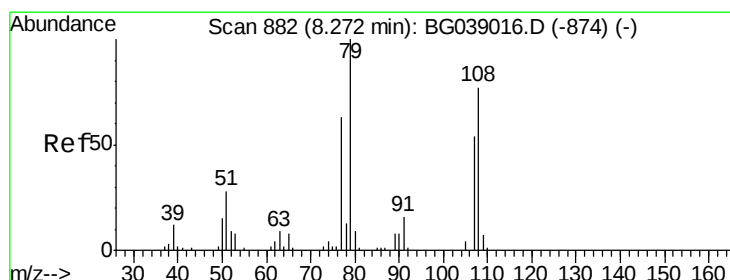
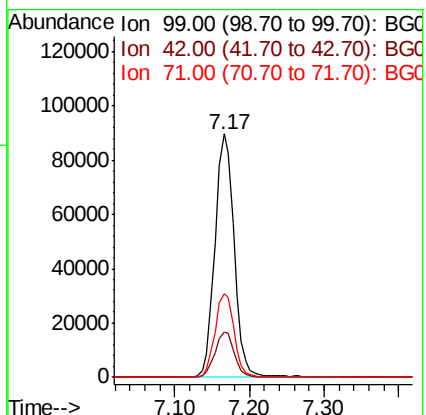
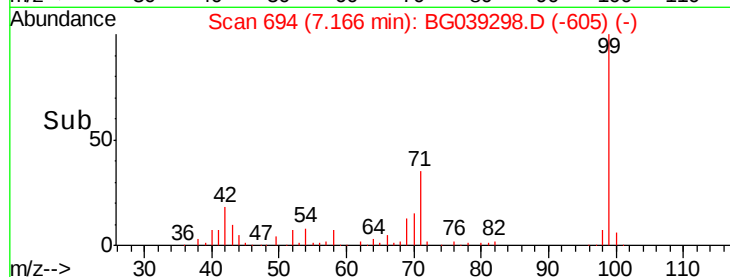
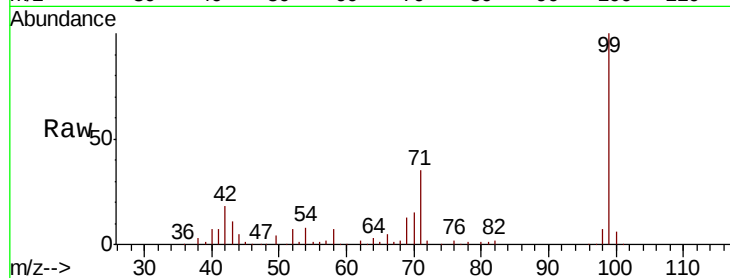
Tgt Ion: 99 Resp: 160348

Ion Ratio Lower Upper

99 100

42 18.4 15.8 23.6

71 34.5 30.2 45.4



#15

Benzyl Alcohol

Concen: 2.049 ng

RT: 8.32 min Scan# 891

Delta R.T. 0.06 min

Lab File: BG039298.D

Acq: 26 Jan 2019 5:50

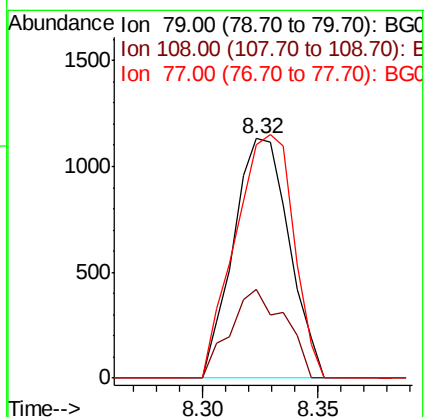
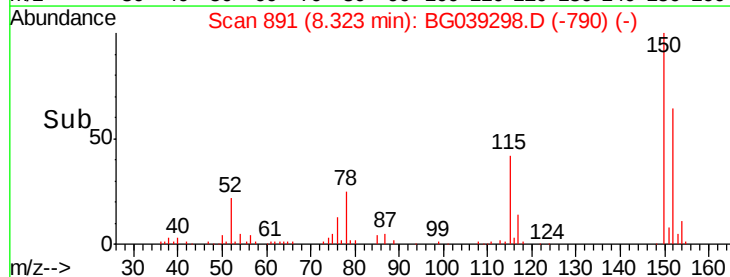
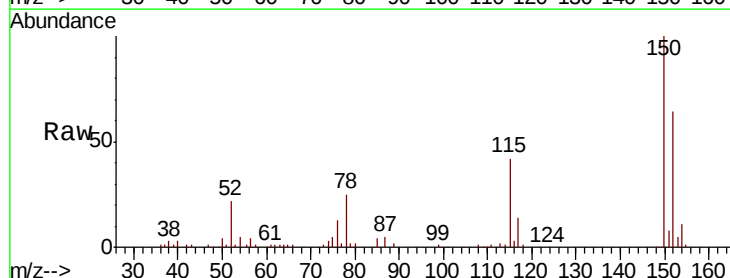
Tgt Ion: 79 Resp: 1904

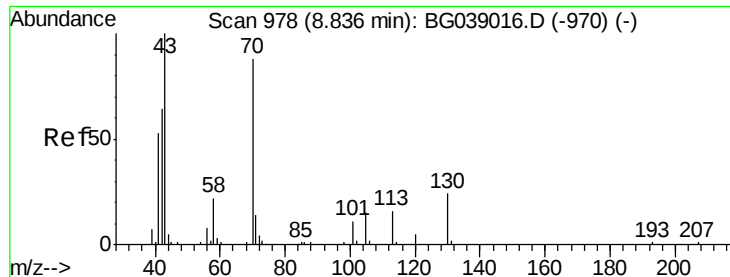
Ion Ratio Lower Upper

79 100

108 37.2 62.0 93.0#

77 97.4 50.1 75.1#

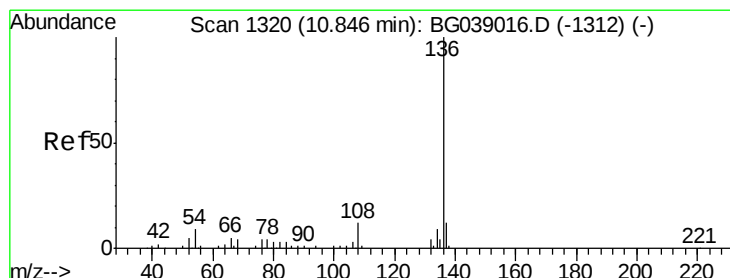
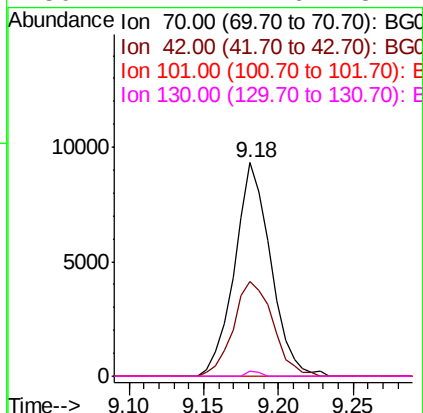
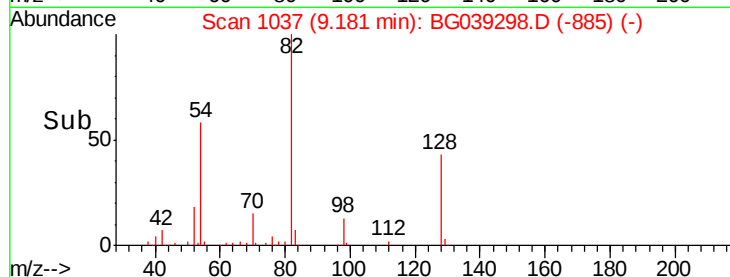
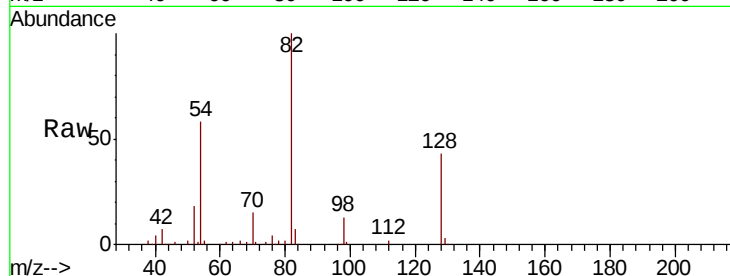




#19
n-Nitroso-di-n-propylamine
Concen: 19.384 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.36 min
Lab File: BG039298.D
Acq: 26 Jan 2019 5:50

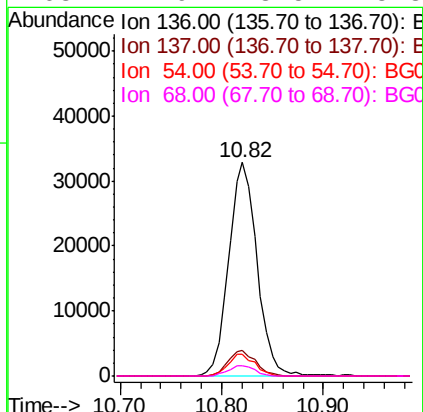
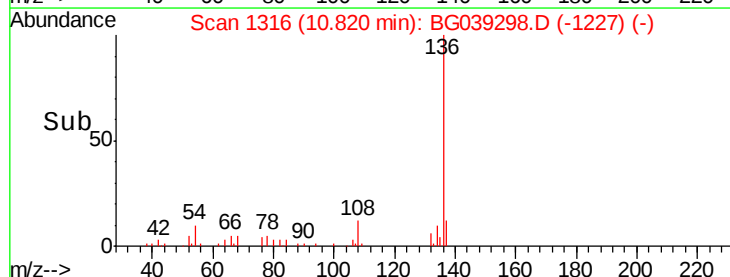
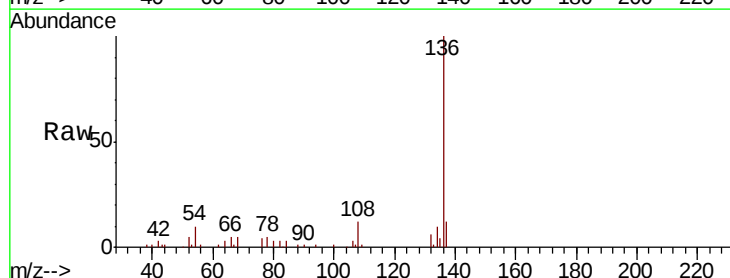
Instrument :
BNA_G
ClientSampled :
S2

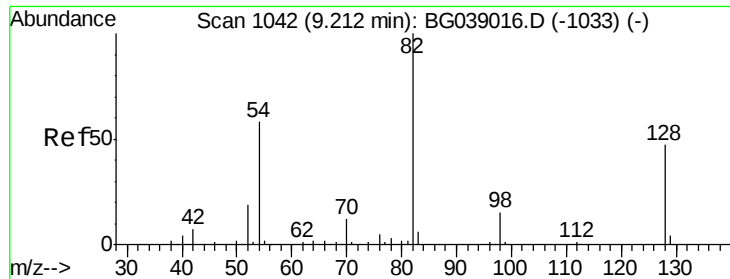
Tgt Ion: 70 Resp: 15706
Ion Ratio Lower Upper
70 100
42 44.6 59.0 88.4#
101 0.0 10.4 15.6#
130 2.4 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039298.D
Acq: 26 Jan 2019 5:50

Tgt Ion: 136 Resp: 63605
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.2
54 10.2 7.2 10.8
68 4.9 3.5 5.3

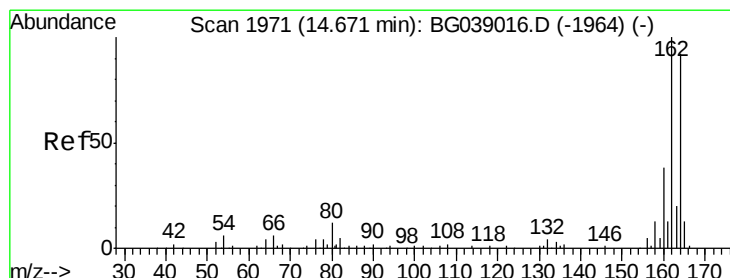
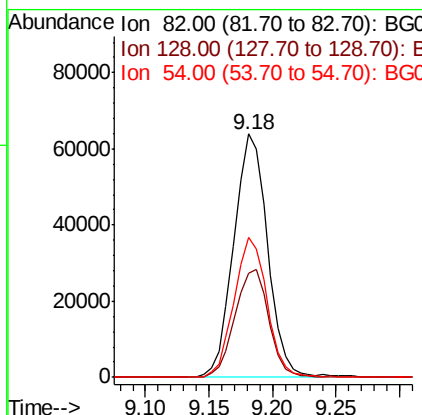
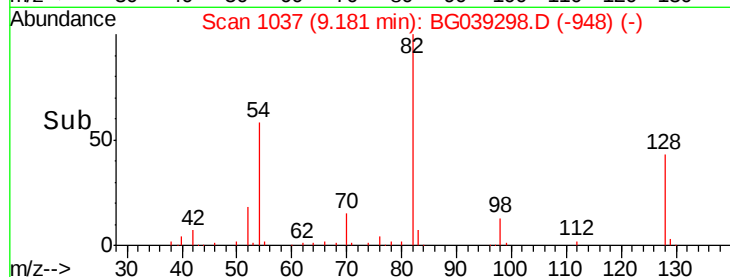
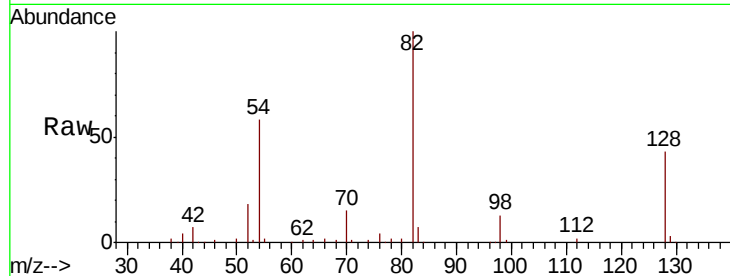




#23
 Nitrobenzene-d5
 Concen: 101.591 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BG039298.D
 Acq: 26 Jan 2019 5:50

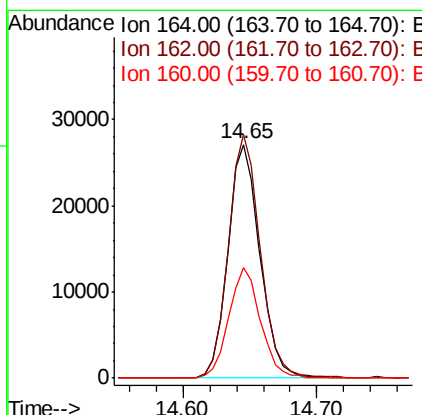
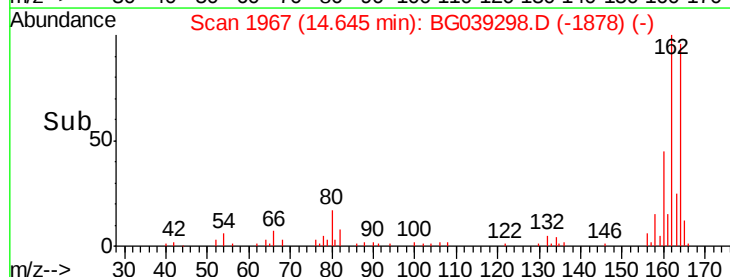
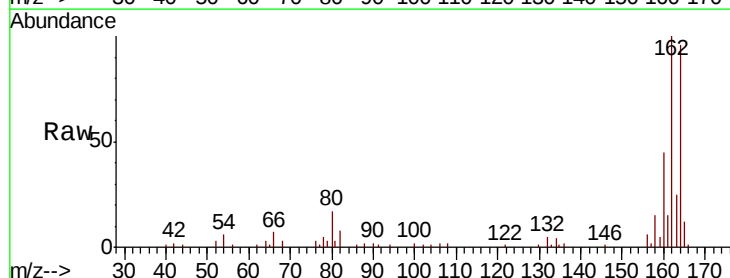
Instrument :
 BNA_G
 ClientSampled :
 S2

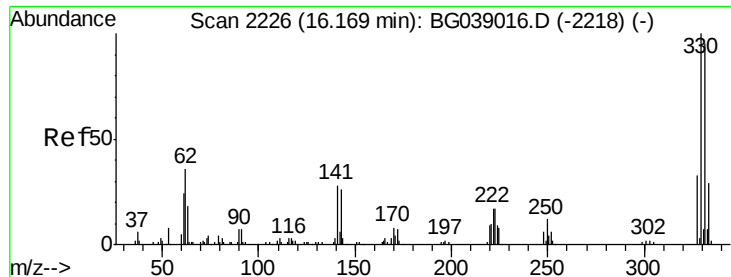
Tgt Ion: 82 Resp: 118088
 Ion Ratio Lower Upper
 82 100
 128 42.7 37.3 55.9
 54 57.7 46.4 69.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BG039298.D
 Acq: 26 Jan 2019 5:50

Tgt Ion: 164 Resp: 45168
 Ion Ratio Lower Upper
 164 100
 162 104.3 87.2 130.8
 160 47.3 33.3 49.9





#42

2,4,6-Tribromophenol

Concen: 130.779 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG039298.D

Acq: 26 Jan 2019 5:50

Instrument :

BNA_G

ClientSampleId :

S2

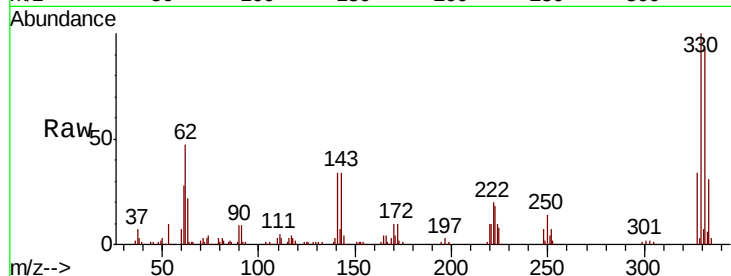
Tgt Ion:330 Resp: 99018

Ion Ratio Lower Upper

330 100

332 93.4 75.7 113.5

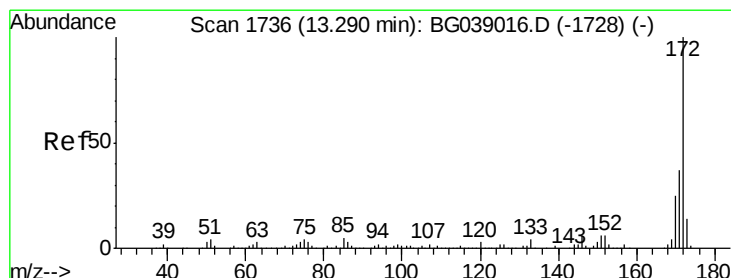
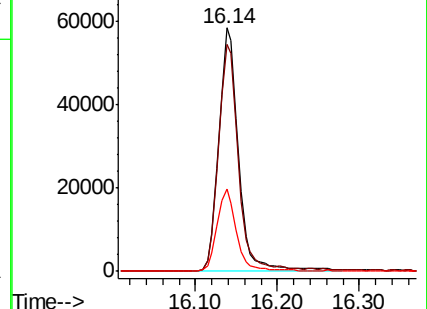
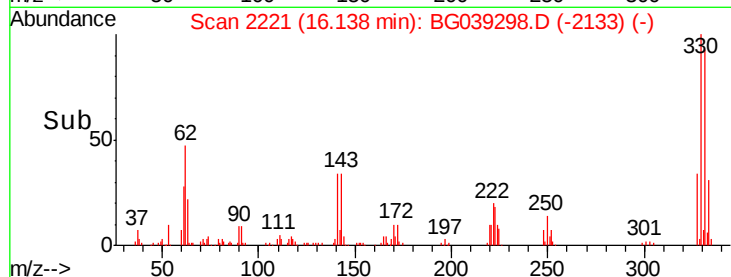
141 33.4 24.9 37.3



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: 94.823 ng

RT: 13.26 min Scan# 1732

Delta R.T. -0.01 min

Lab File: BG039298.D

Acq: 26 Jan 2019 5:50

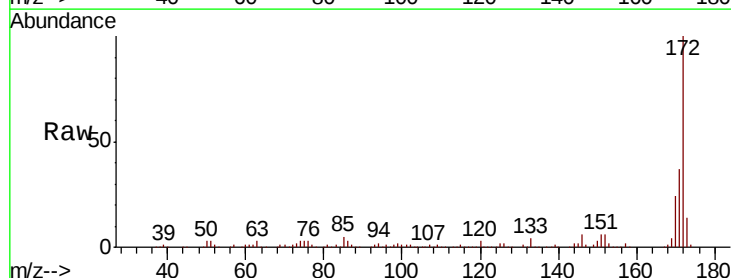
Tgt Ion:172 Resp: 312952

Ion Ratio Lower Upper

172 100

171 37.3 29.4 44.0

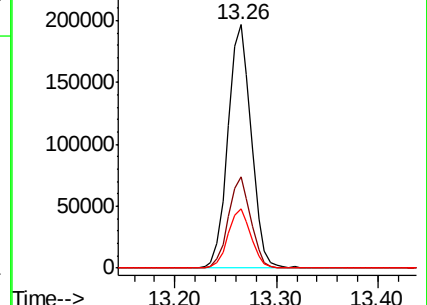
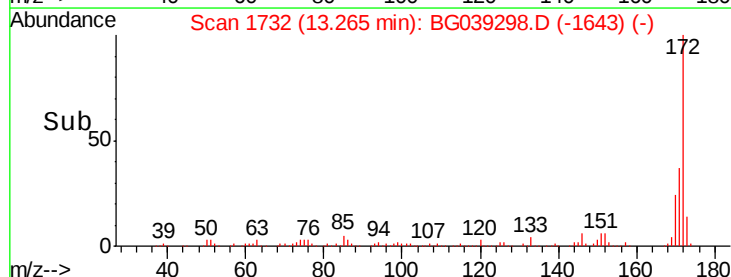
170 24.3 20.1 30.1

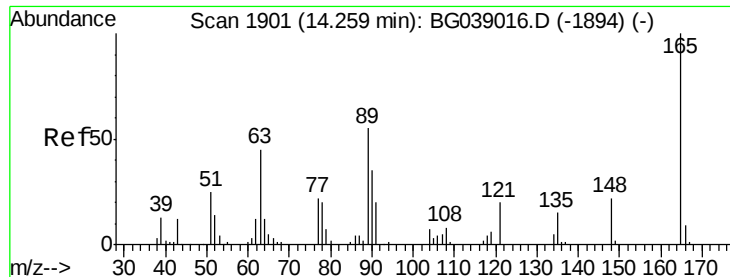


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

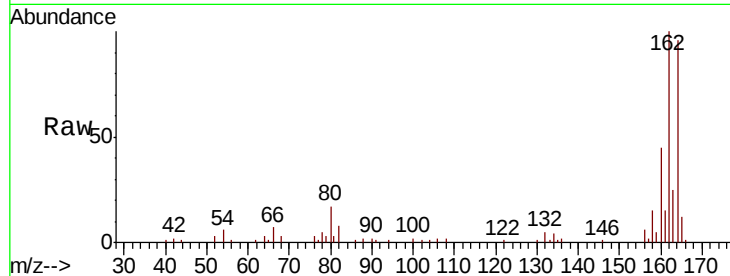




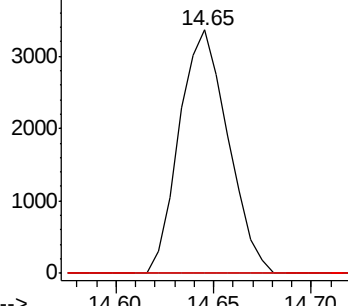
#51
 2,6-Dinitrotoluene
 Concen: 6.801 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039298.D
 Acq: 26 Jan 2019 5:50

Instrument :
 BNA_G
 ClientSampleId :
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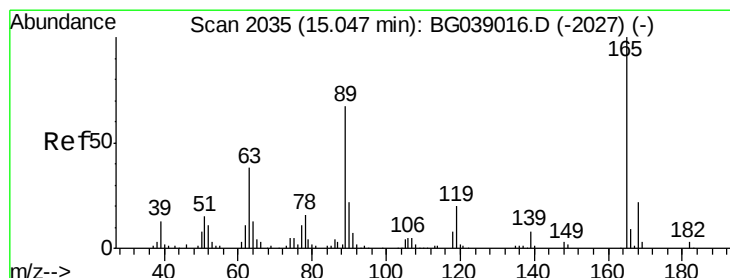
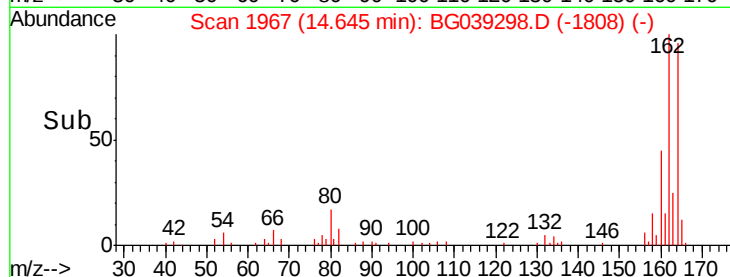
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#



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



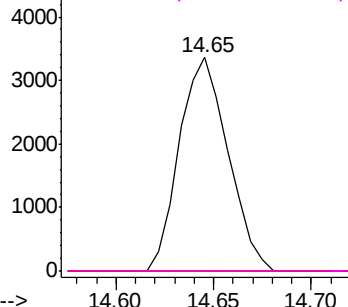
Time-->



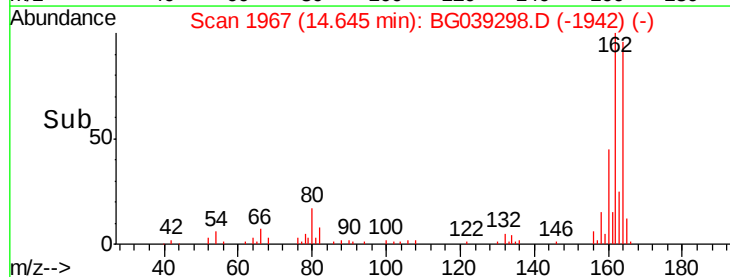
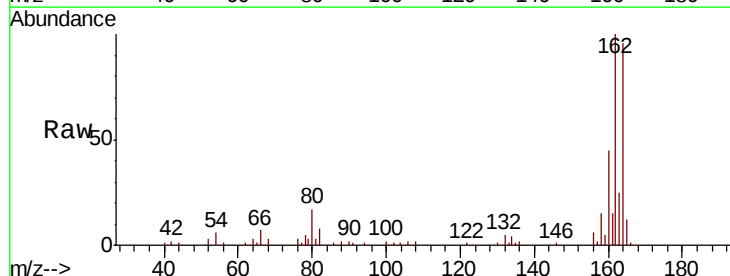
#57
 2,4-Dinitrotoluene
 Concen: 4.741 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.39 min
 Lab File: BG039298.D
 Acq: 26 Jan 2019 5:50

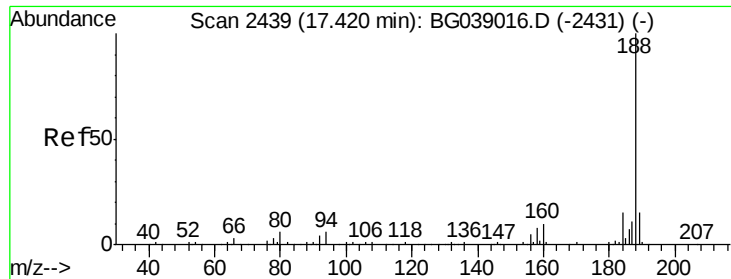
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	53.2	79.8#
182	0.0	2.7	4.1#

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



Time-->

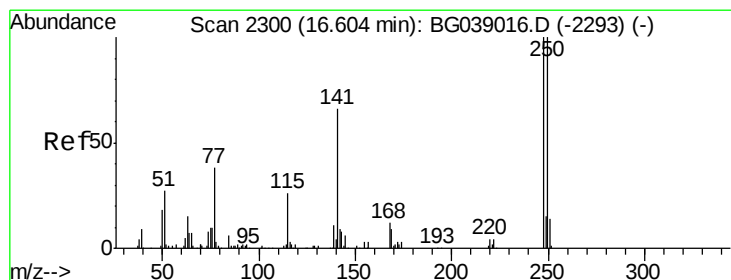
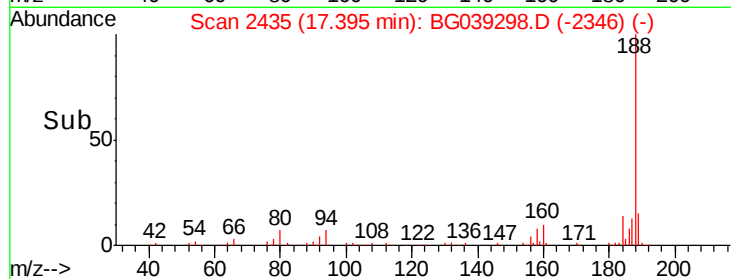
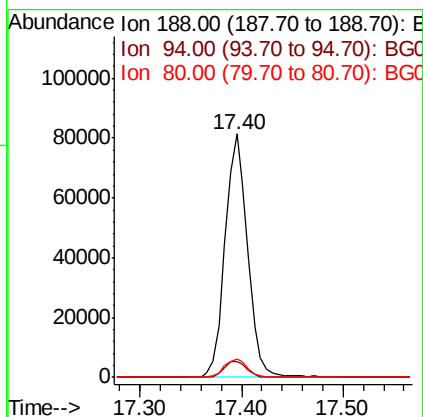
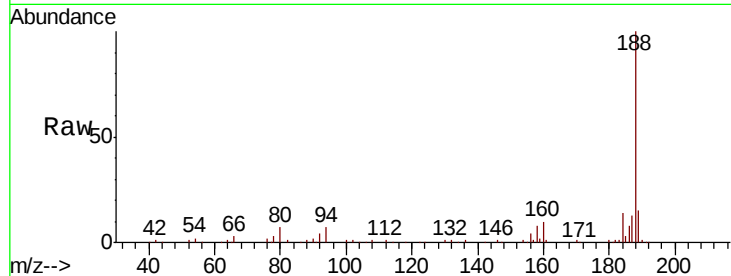




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG039298.D
 Acq: 26 Jan 2019 5:50

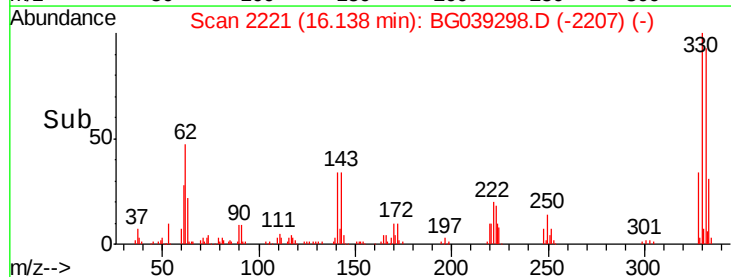
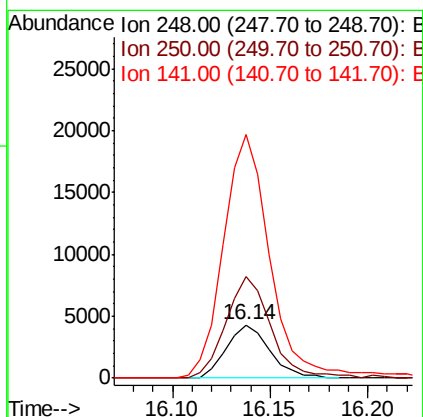
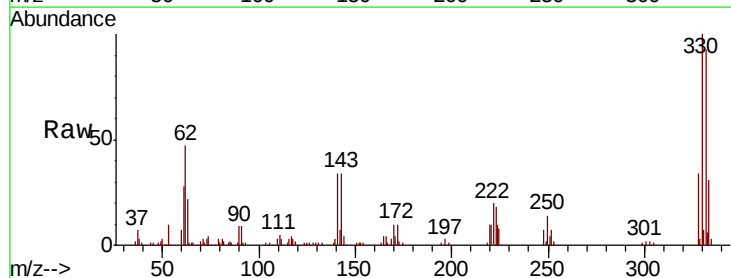
Instrument :
 BNA_G
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 S2

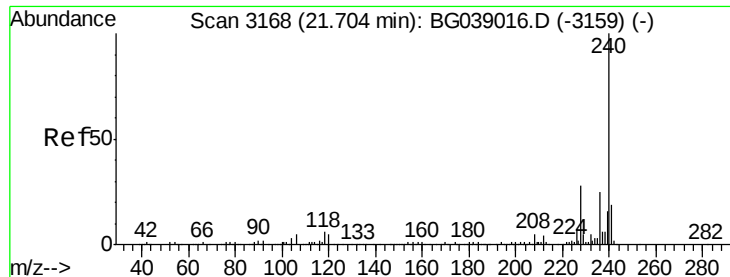
Tgt Ion:188 Resp: 125474
 Ion Ratio Lower Upper
 188 100
 94 6.7 5.0 7.4
 80 7.3 4.7 7.1#



#67
 4-Bromophenyl-phenylether
 Concen: 4.060 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG039298.D
 Acq: 26 Jan 2019 5:50

Tgt Ion:248 Resp: 6549
 Ion Ratio Lower Upper
 248 100
 250 145.6 79.9 119.9#
 141 348.6 52.7 79.1#

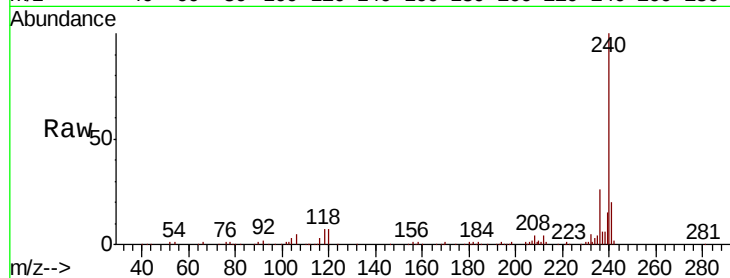




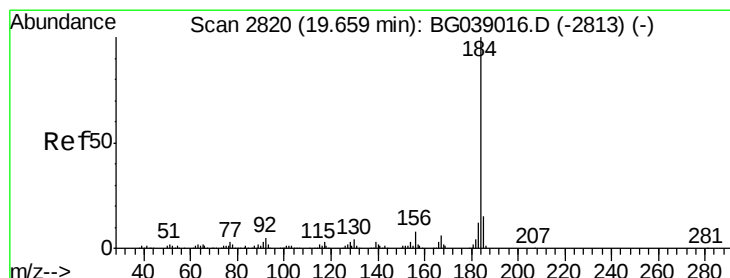
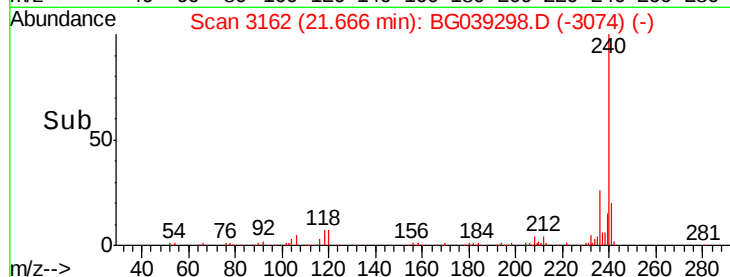
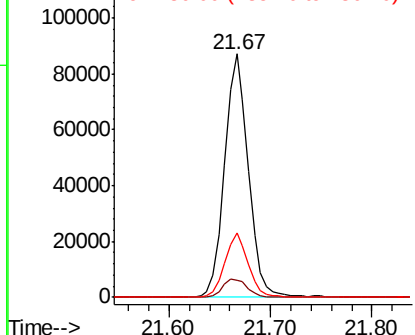
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG039298.D
Acq: 26 Jan 2019 5:50

Instrument :
BNA_G
ClientSampled :
S2

Tgt Ion:240 Resp: 141594
Ion Ratio Lower Upper
240 100
120 7.2 4.3 6.5#
236 26.2 20.1 30.1

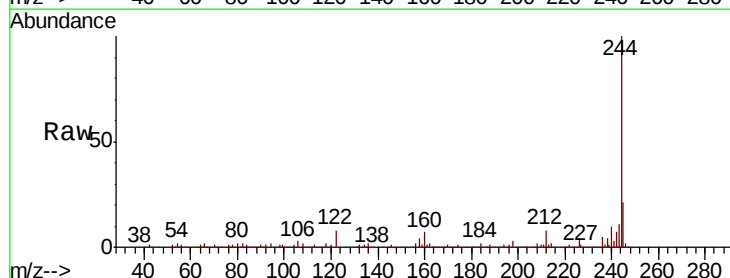


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

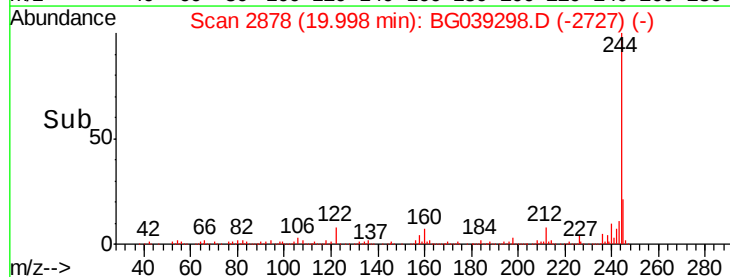
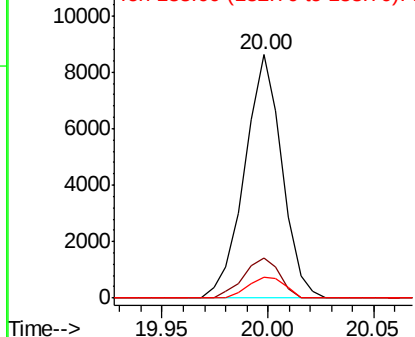


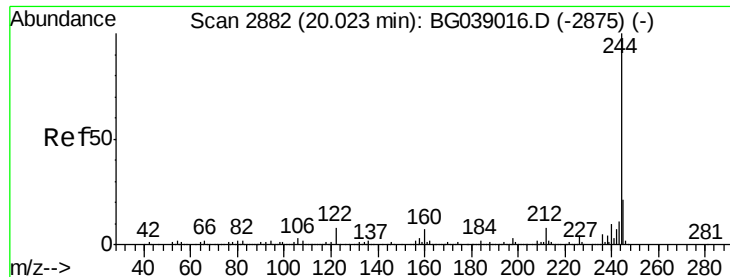
#77
Benzidine
Concen: 2.435 ng
RT: 20.00 min Scan# 2878
Delta R.T. 0.36 min
Lab File: BG039298.D
Acq: 26 Jan 2019 5:50

Tgt Ion:184 Resp: 10547
Ion Ratio Lower Upper
184 100
185 16.3 12.1 18.1
183 8.4 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: 89.849 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039298.D

Acq: 26 Jan 2019 5:50

Instrument :

BNA_G

ClientSampleId :

S2

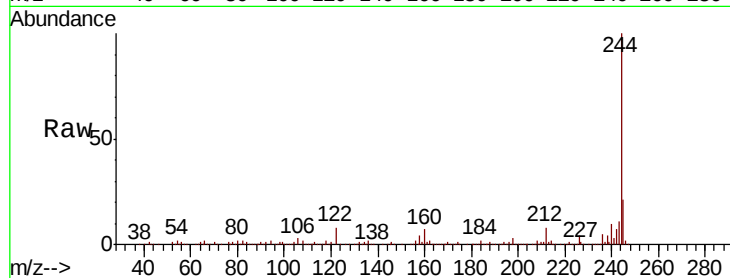
Tgt Ion:244 Resp: 687719

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

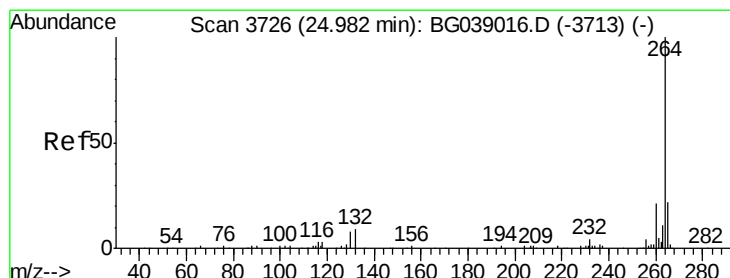
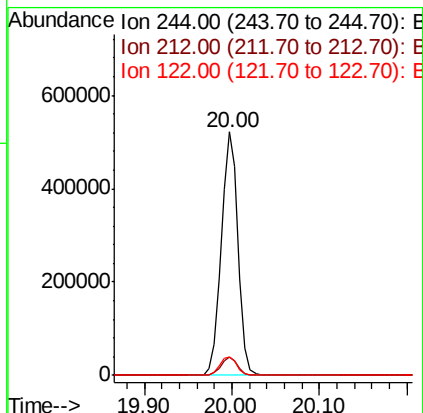
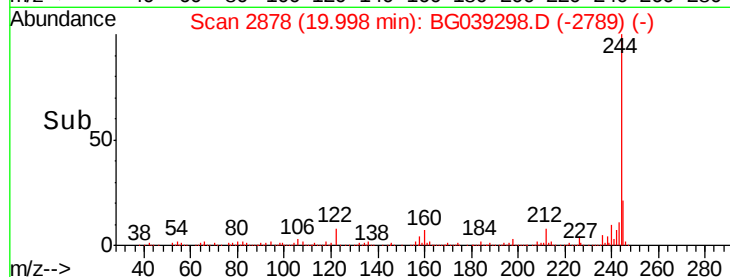
122 7.8 6.1 9.1



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: 24.92 min Scan# 3716

Delta R.T. -0.03 min

Lab File: BG039298.D

Acq: 26 Jan 2019 5:50

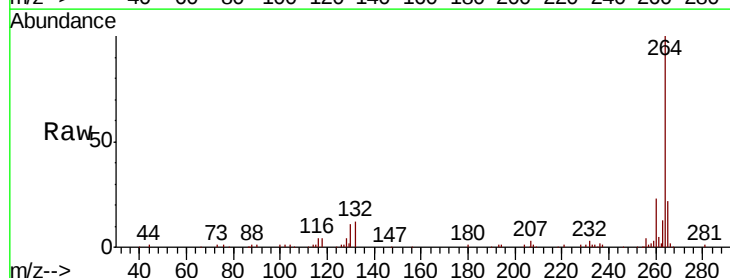
Tgt Ion:264 Resp: 148257

Ion Ratio Lower Upper

264 100

260 22.8 17.0 25.6

265 21.5 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

