

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011619\
 Data File : BG039172.D
 Acq On : 17 Jan 2019 00:56
 Operator : JU/SJ
 Sample : K1007-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-011419

Quant Time: Jan 17 04:06:07 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

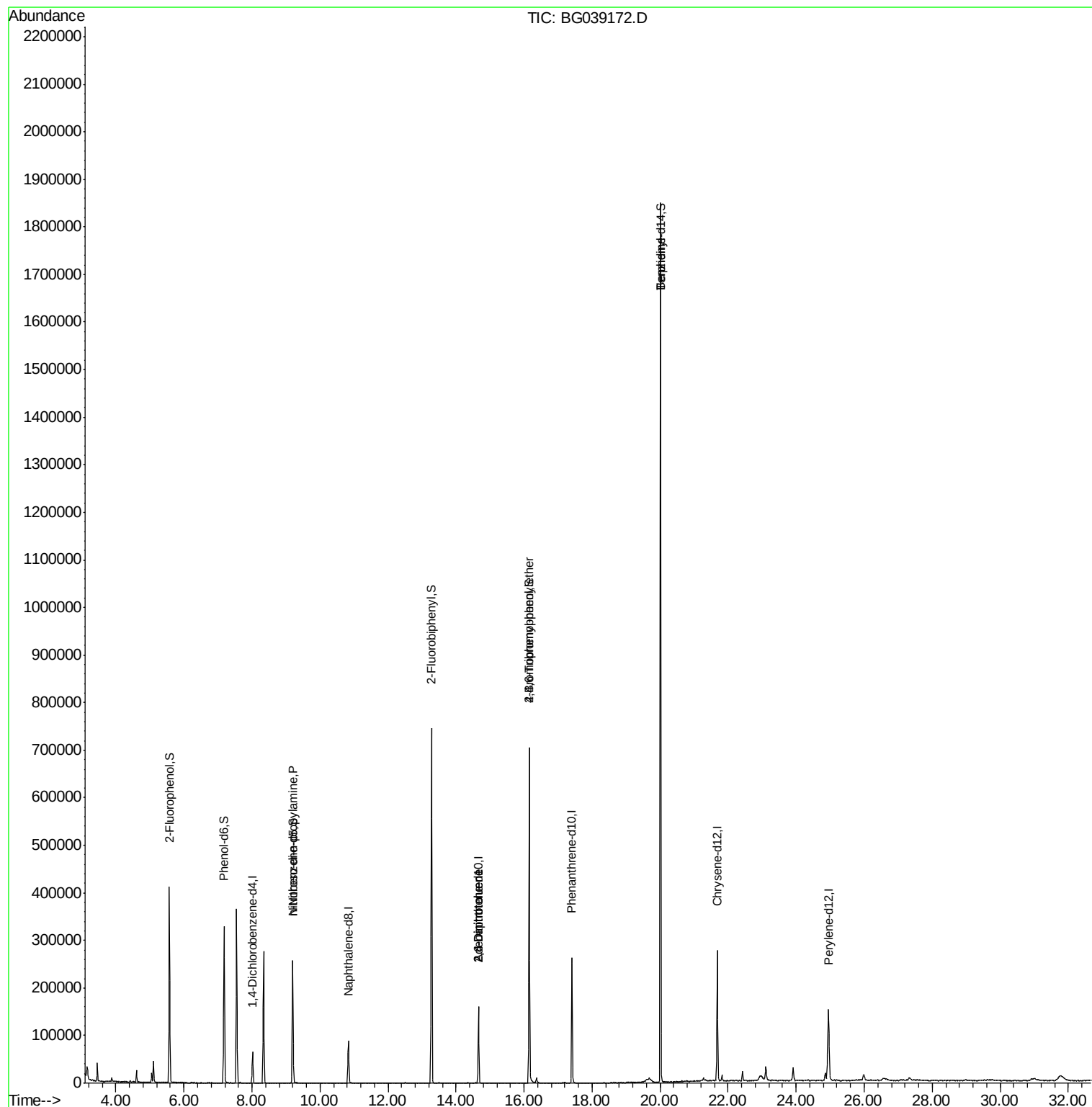
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	19554	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	83437	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	62252	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	180159	20.00	ng	-0.02
76) Chrysene-d12	21.68	240	185233	20.00	ng	-0.02
87) Perylene-d12	24.95	264	196457	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	185184	179.65	ng	0.00
7) Phenol-d6	7.18	99	192924	130.05	ng	0.00
23) Nitrobenzene-d5	9.20	82	151926	99.64	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	155552	149.07	ng	-0.02
45) 2-Fluorobiphenyl	13.28	172	425275	93.49	ng	0.00
79) Terphenyl-d14	20.01	244	976921	97.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	20026	20.558	ng	# 67
51) 2,6-Dinitrotoluene	14.66	165	7856	6.680	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	7856	4.656	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	10235	4.420	ng	# 1
77) Benzidine	20.01	184	16014	2.827	ng	# 96

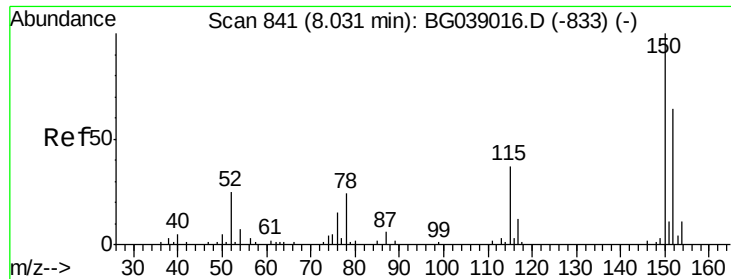
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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Quant Time: Jan 17 04:06:07 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



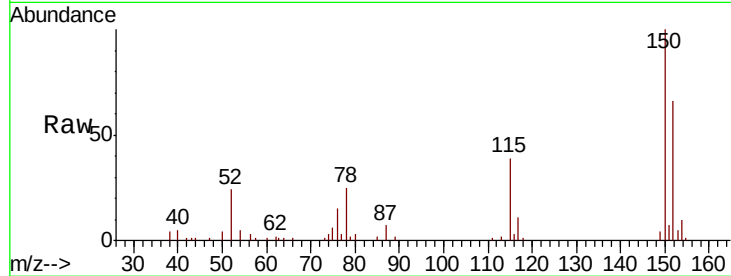


#1

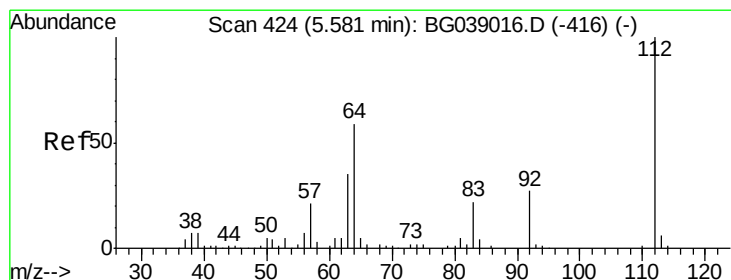
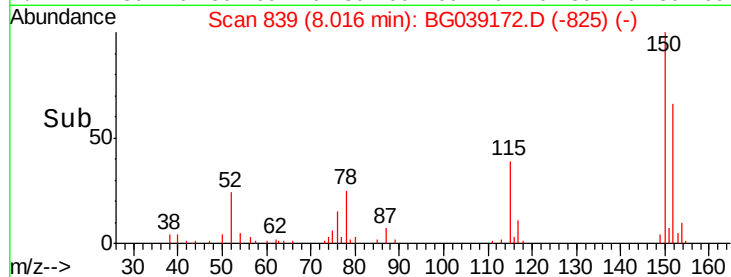
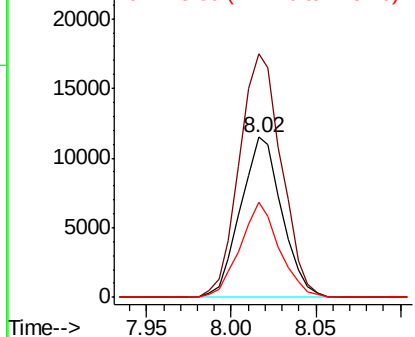
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.02 min
Lab File: BG039172.D
Acq: 17 Jan 2019 00:56

Instrument :
BNA_G
ClientSampleId :
NB-07-011419

Tgt Ion:152 Resp: 19554
Ion Ratio Lower Upper
152 100
150 152.0 124.7 187.1
115 59.2 46.5 69.7



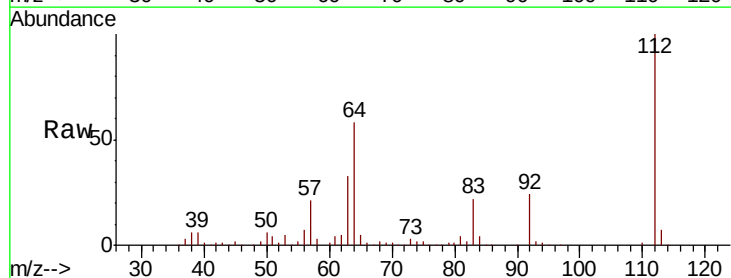
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



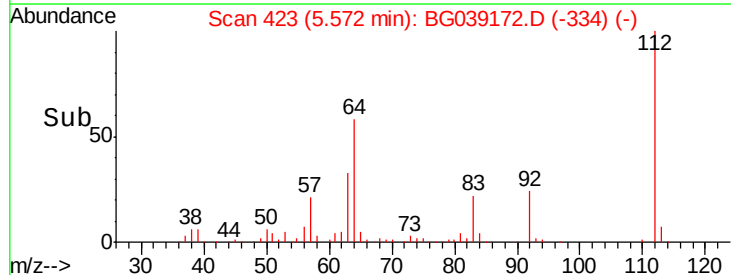
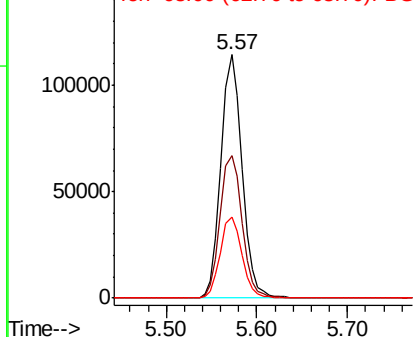
#5

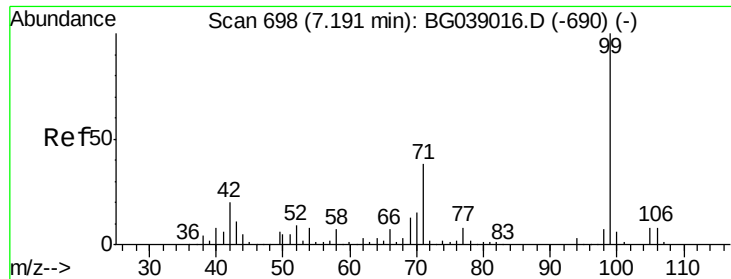
2-Fluorophenol
Concen: 179.652 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.01 min
Lab File: BG039172.D
Acq: 17 Jan 2019 00:56

Tgt Ion:112 Resp: 185184
Ion Ratio Lower Upper
112 100
64 58.5 47.0 70.6
63 33.4 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: 130.051 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039172.D

Acq: 17 Jan 2019 00:56

Instrument :

BNA_G

ClientSampleId :

NB-07-011419

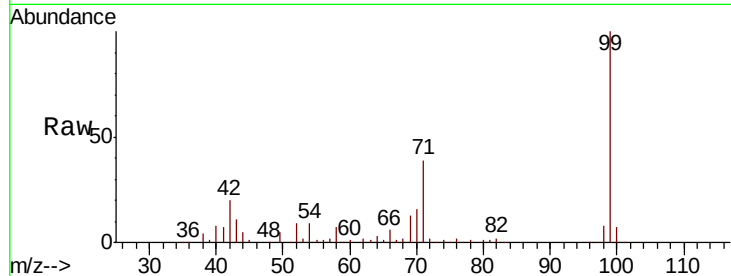
Tgt Ion: 99 Resp: 192924

Ion Ratio Lower Upper

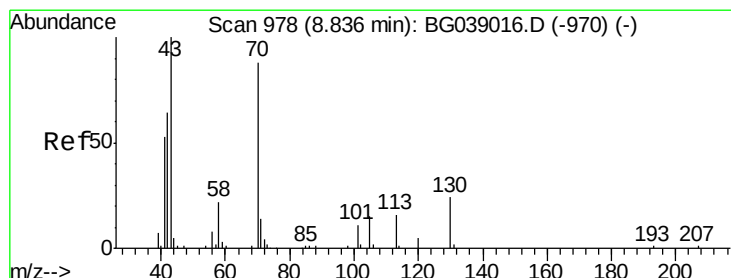
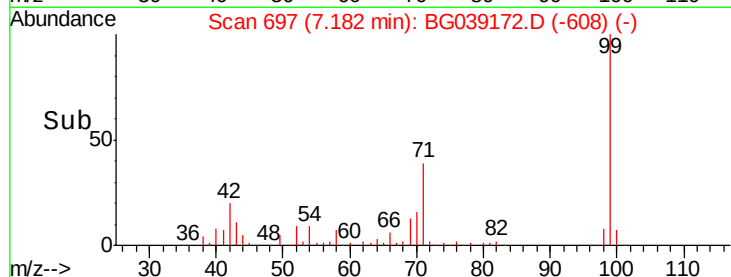
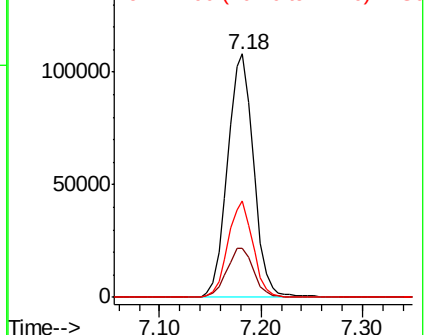
99 100

42 20.4 15.8 23.6

71 39.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 20.558 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.36 min

Lab File: BG039172.D

Acq: 17 Jan 2019 00:56

Tgt Ion: 70 Resp: 20026

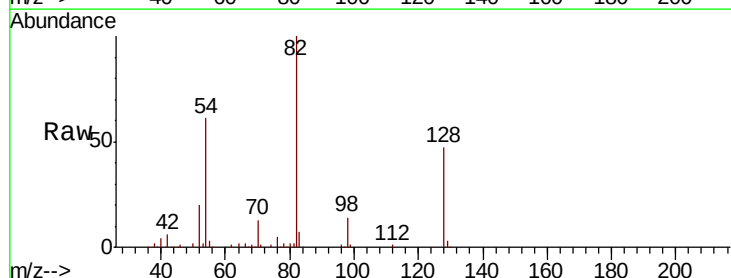
Ion Ratio Lower Upper

70 100

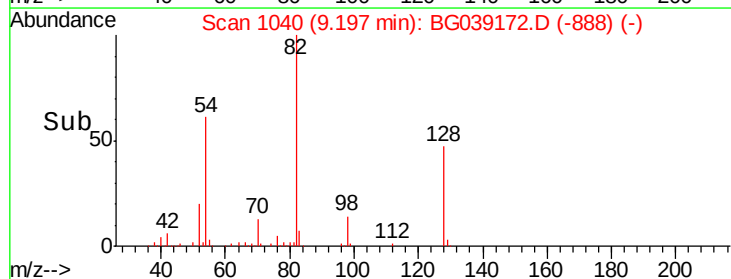
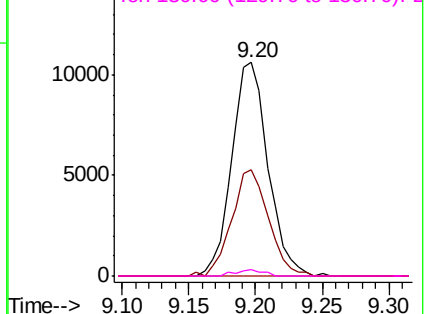
42 49.6 59.0 88.4#

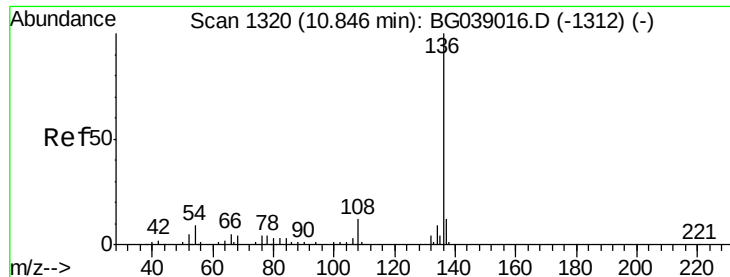
101 0.0 10.4 15.6#

130 3.0 21.6 32.4#



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

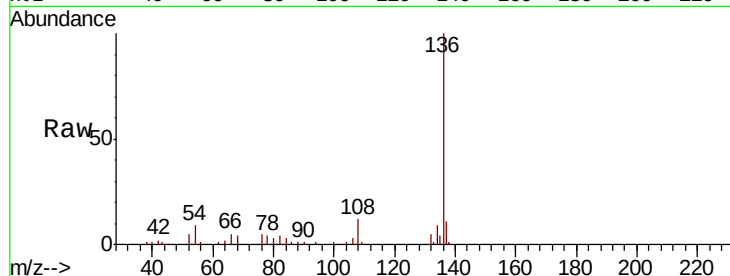




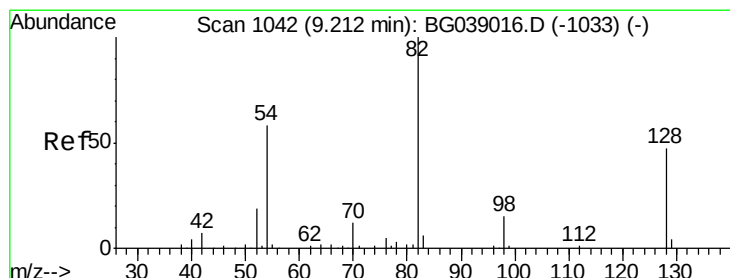
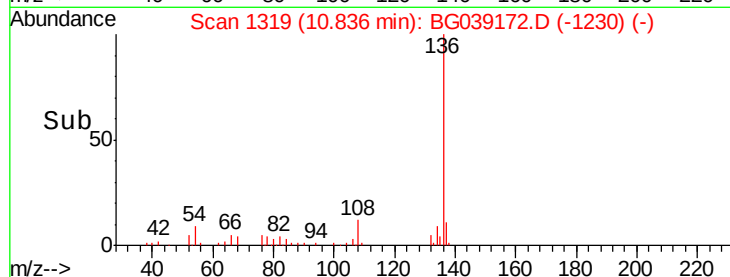
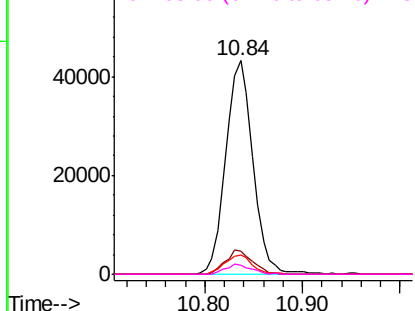
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG039172.D
Acq: 17 Jan 2019 00:56

Instrument :
BNA_G
ClientSampleId :
NB-07-011419

Tgt Ion:	136	Resp:	83437
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.4	14.2
54	9.3	7.2	10.8
68	4.0	3.5	5.3

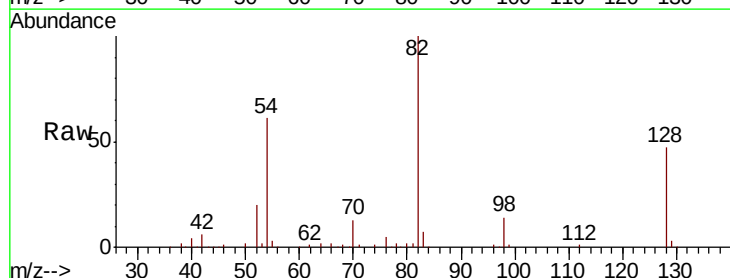


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

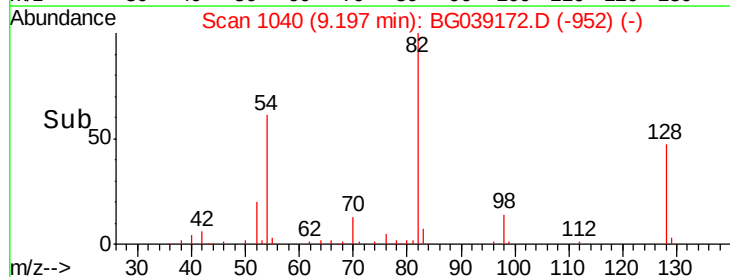
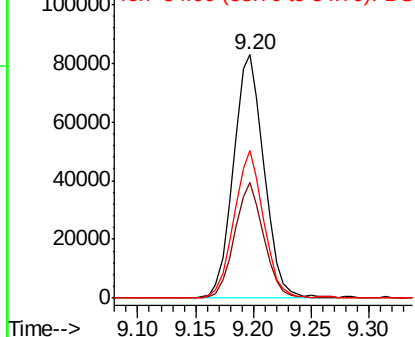


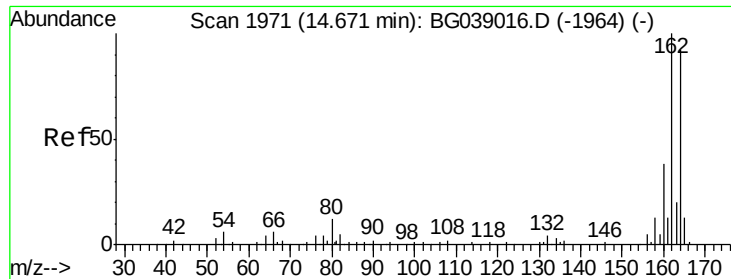
#23
Nitrobenzene-d5
Concen: 99.636 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG039172.D
Acq: 17 Jan 2019 00:56

Tgt Ion:	82	Resp:	151926
Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.3	55.9
54	60.5	46.4	69.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
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: BG039172.D

Acq: 17 Jan 2019 00:56

Instrument :

BNA_G

ClientSampleId :

NB-07-011419

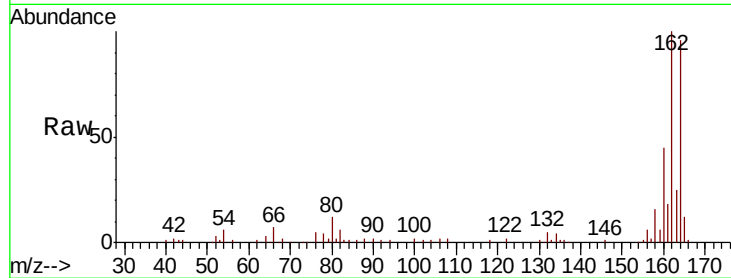
Tgt Ion:164 Resp: 62252

Ion Ratio Lower Upper

164 100

162 104.0 87.2 130.8

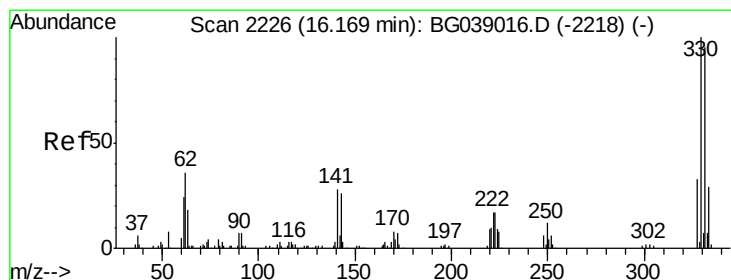
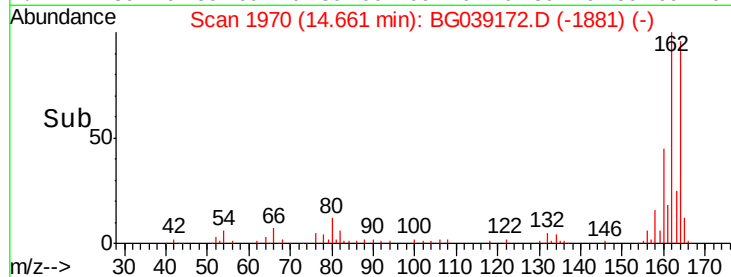
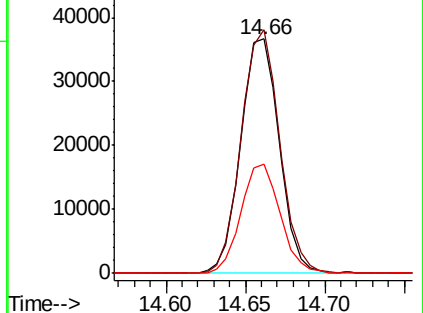
160 46.9 33.3 49.9



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: 149.065 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.02 min

Lab File: BG039172.D

Acq: 17 Jan 2019 00:56

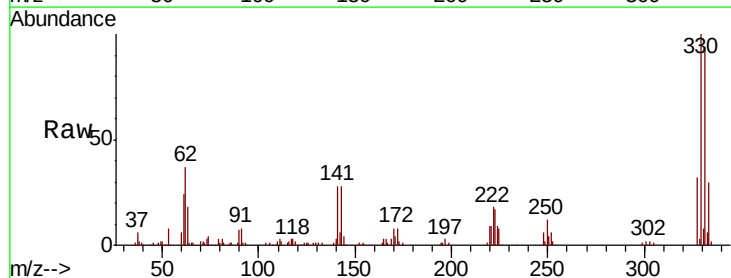
Tgt Ion:330 Resp: 155552

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

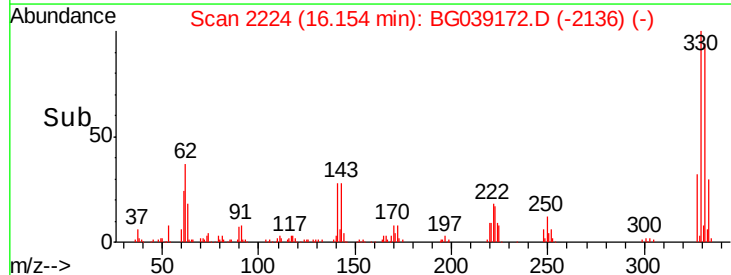
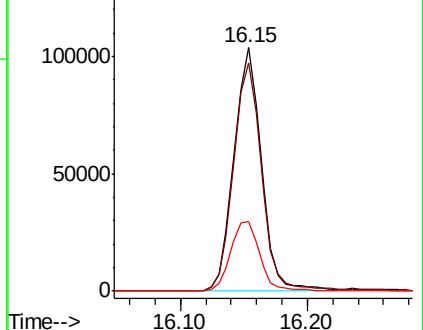
141 30.6 24.9 37.3

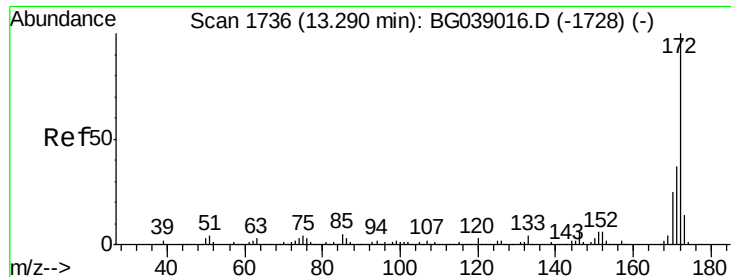


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

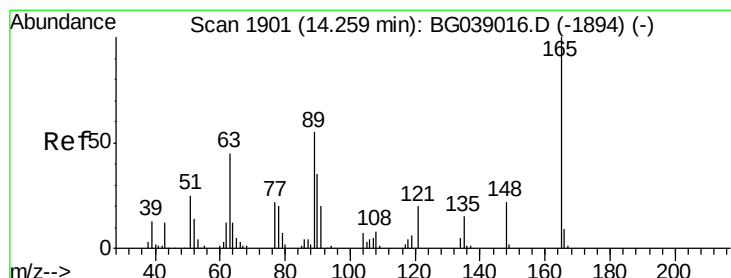
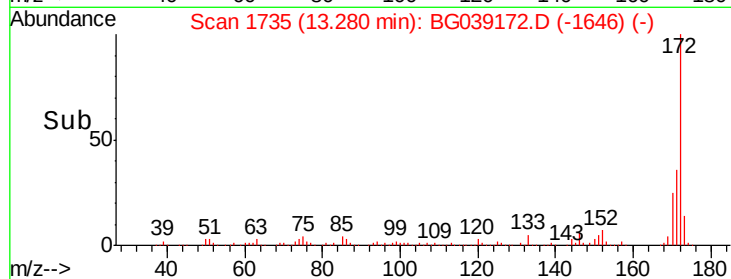
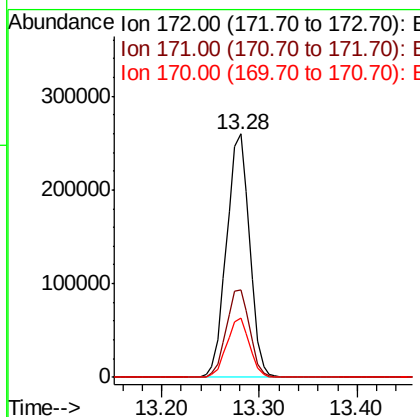
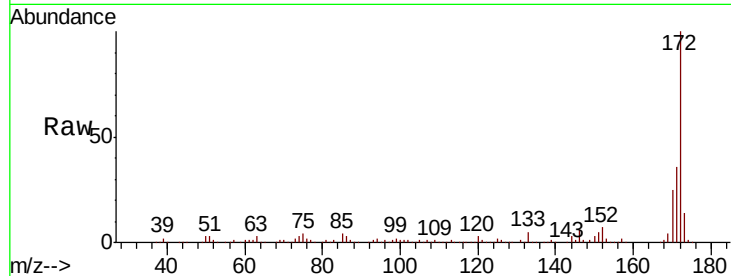




#45
 2-Fluorobiphenyl
 Concen: 93.494 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039172.D
 Acq: 17 Jan 2019 00:56

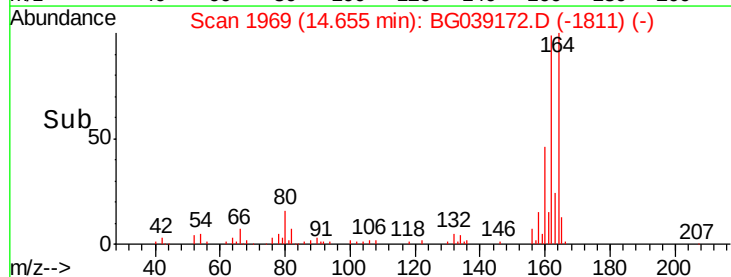
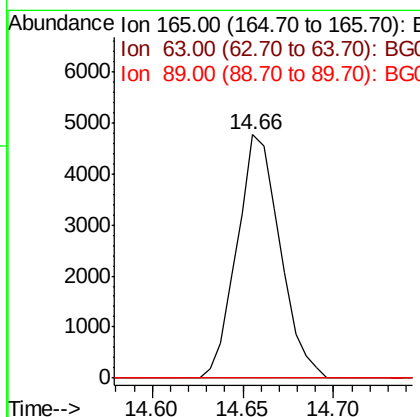
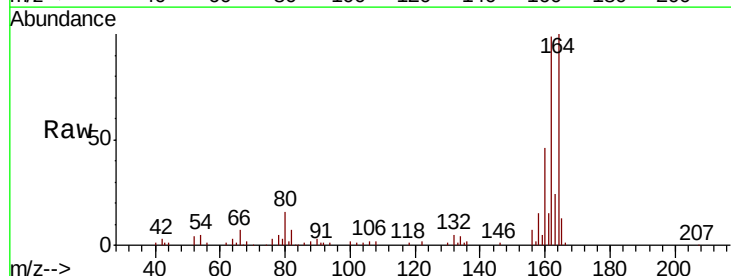
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-011419

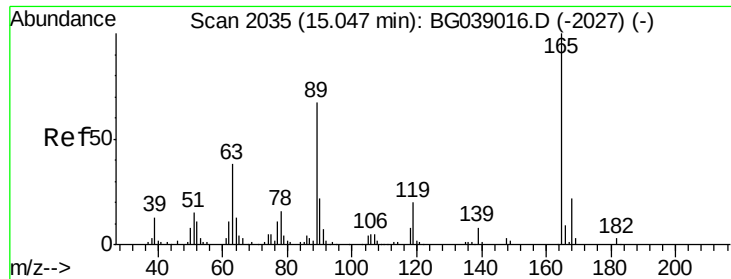
Tgt Ion:172 Resp: 425275
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.6 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.680 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.40 min
 Lab File: BG039172.D
 Acq: 17 Jan 2019 00:56

Tgt Ion:165 Resp: 7856
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#





#57

2,4-Dinitrotoluene

Concen: 4.656 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.39 min

Lab File: BG039172.D

Acq: 17 Jan 2019 00:56

Instrument :

BNA_G

ClientSampleId :

NB-07-011419

Tgt Ion:165 Resp: 7856

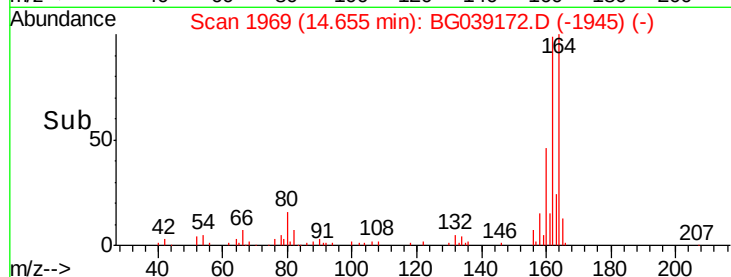
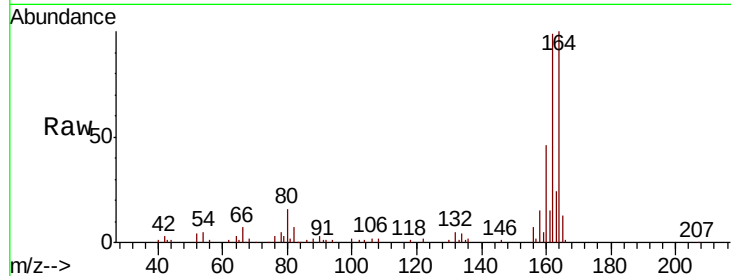
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#

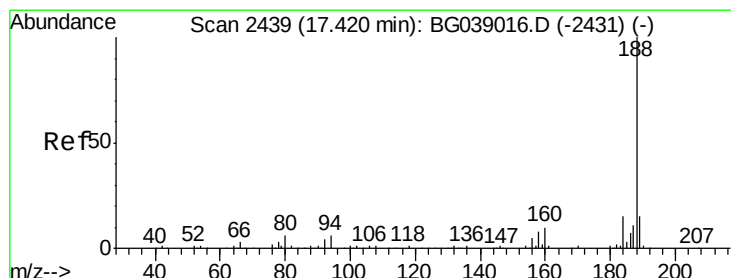
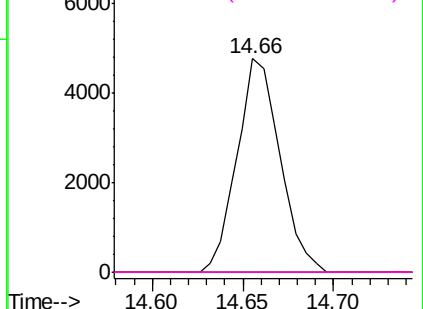


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2437

Delta R.T. -0.02 min

Lab File: BG039172.D

Acq: 17 Jan 2019 00:56

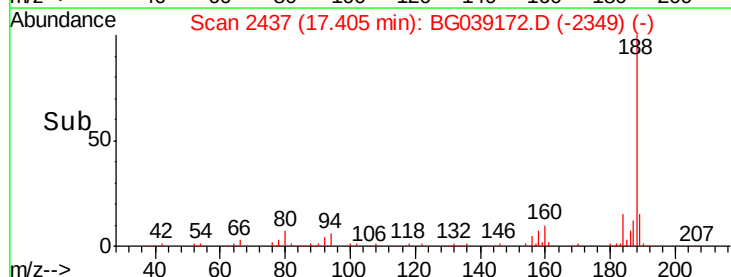
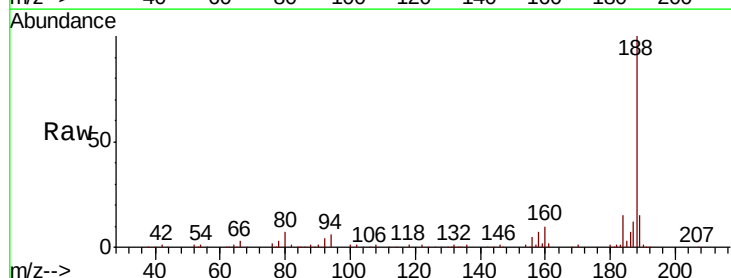
Tgt Ion:188 Resp: 180159

Ion Ratio Lower Upper

188 100

94 6.4 5.0 7.4

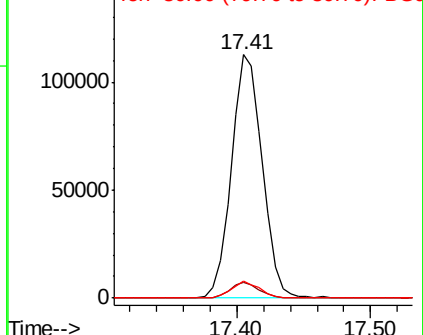
80 7.0 4.7 7.1

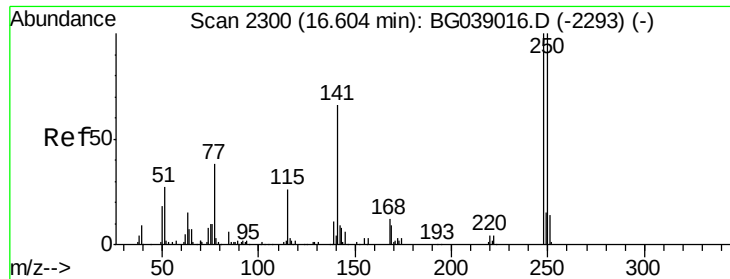


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

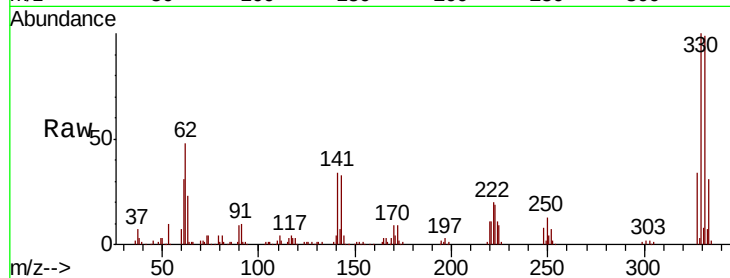




#67
 4-Bromophenyl-phenylether
 Concen: 4.420 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.46 min
 Lab File: BG039172.D
 Acq: 17 Jan 2019 00:56

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-011419

Tgt Ion	Ratio	Lower	Upper
248	100		
250	230.3	79.9	119.9#
141	453.4	52.7	79.1#

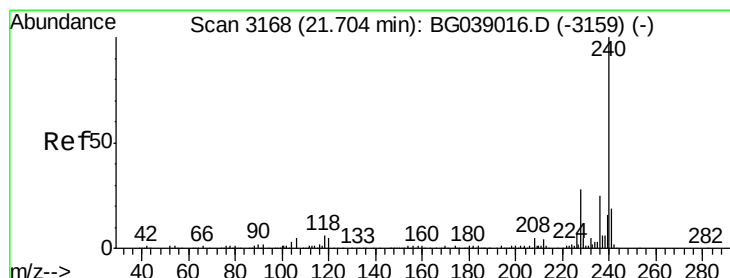
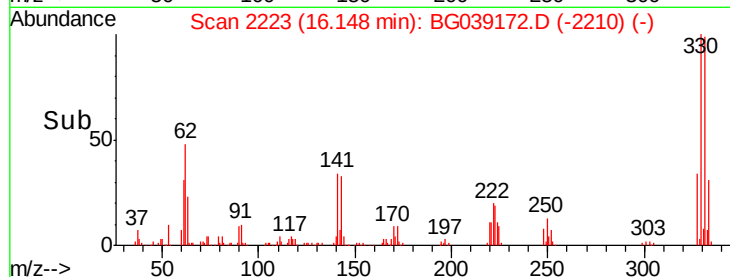
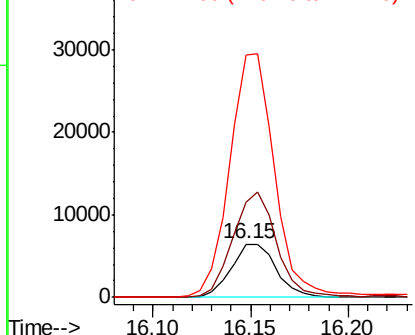


Abundance

Ion 248.00 (247.70 to 248.70): E

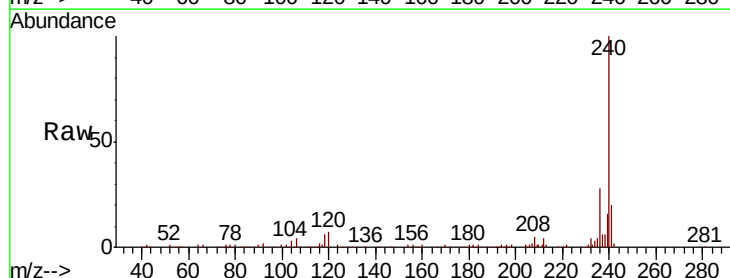
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG039172.D
 Acq: 17 Jan 2019 00:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.7	4.3	6.5#
236	27.6	20.1	30.1

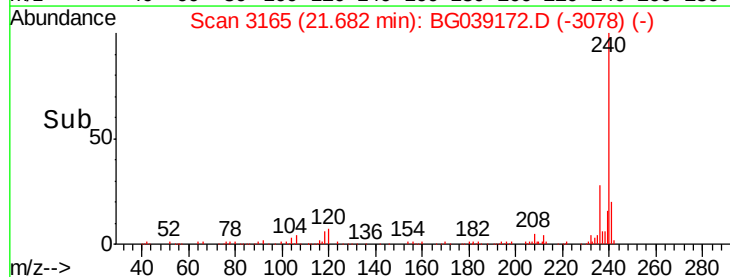
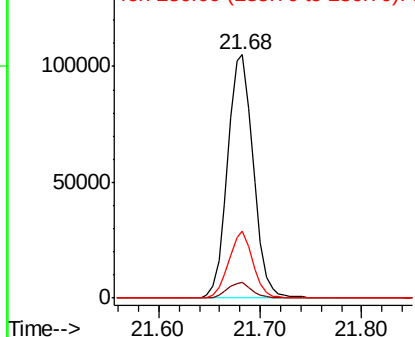


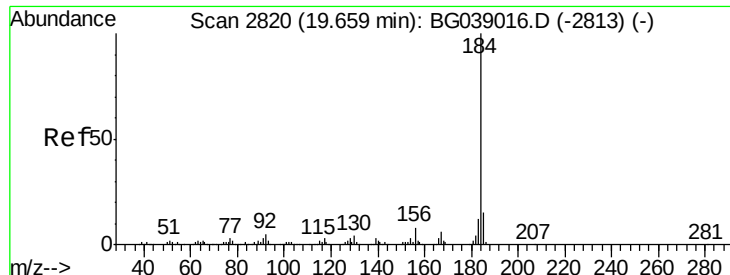
Abundance

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: 2.827 ng

RT: 20.01 min Scan# 2881

Delta R.T. 0.35 min

Lab File: BG039172.D

Acq: 17 Jan 2019 00:56

Instrument :

BNA_G

ClientSampleId :

NB-07-011419

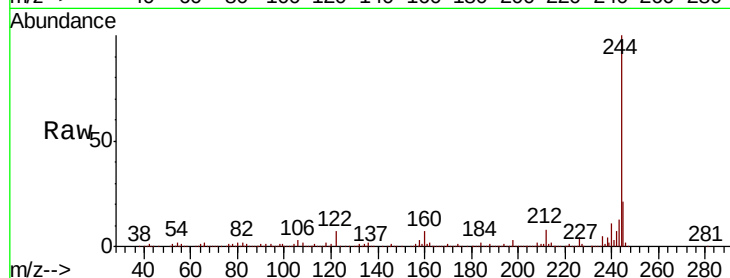
Tgt Ion:184 Resp: 16014

Ion Ratio Lower Upper

184 100

185 14.8 12.1 18.1

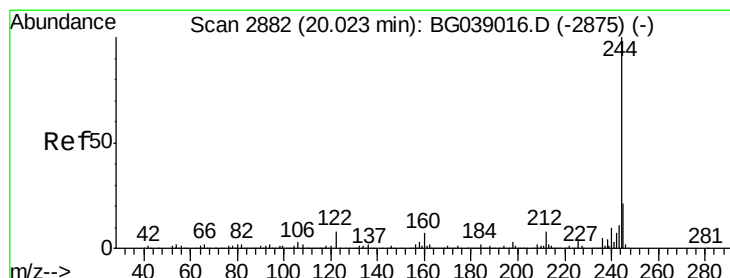
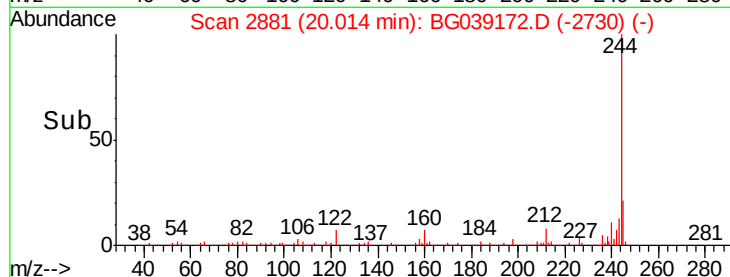
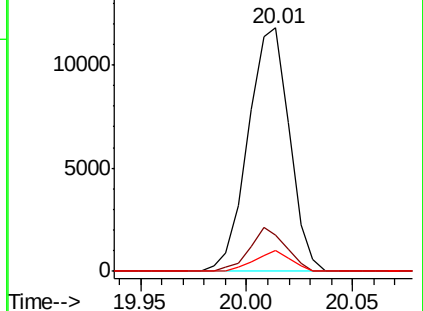
183 8.8 9.5 14.3#



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: 97.564 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039172.D

Acq: 17 Jan 2019 00:56

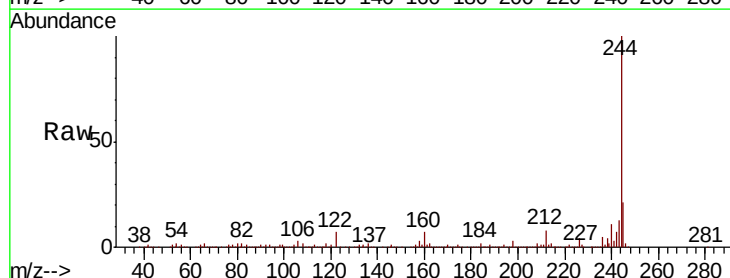
Tgt Ion:244 Resp: 976921

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

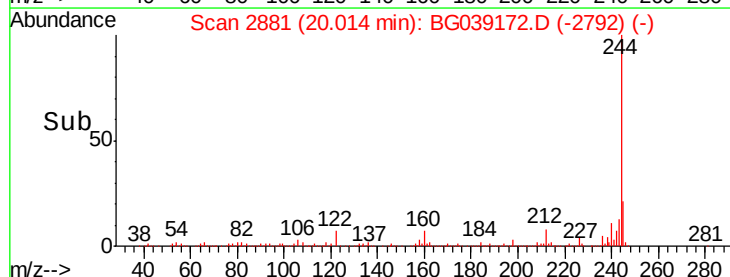
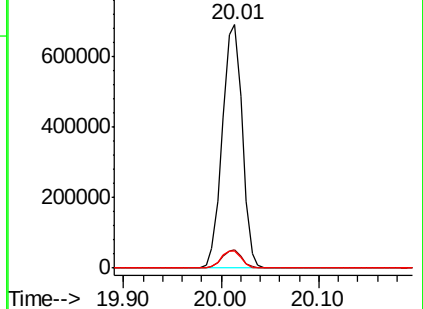
122 6.9 6.1 9.1

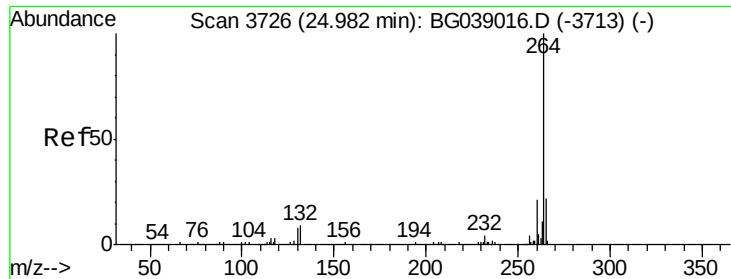


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

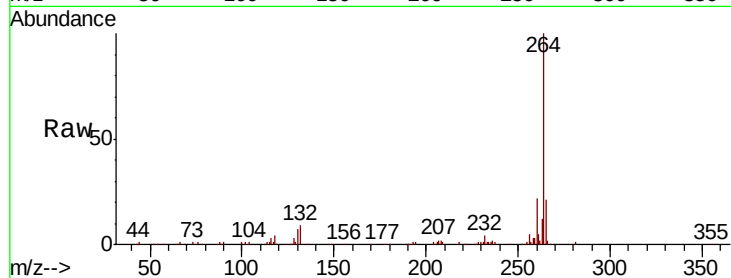




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.95 min Scan# 3721
Delta R.T. -0.03 min
Lab File: BG039172.D
Acq: 17 Jan 2019 00:56

Instrument :
BNA_G
ClientSampleId :
NB-07-011419

Tgt Ion: 264 Resp: 196457
Ion Ratio Lower Upper
264 100
260 21.5 17.0 25.6
265 21.2 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

