

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012119\
 Data File : BG039245.D
 Acq On : 21 Jan 2019 22:37
 Operator : JU/SJ
 Sample : PB116524BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116524BL

Quant Time: Jan 22 00:05:54 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

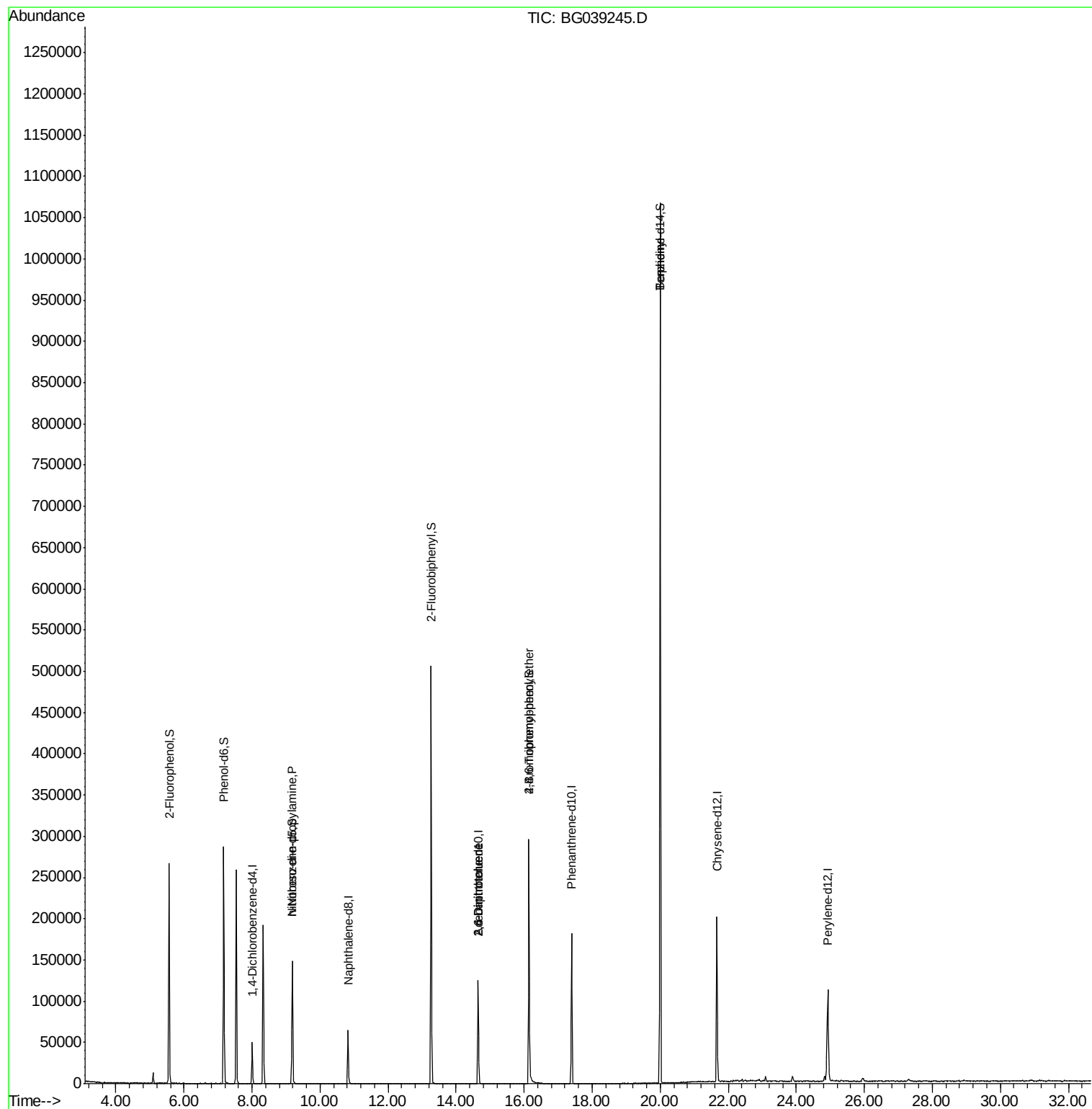
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	15052	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	63256	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	47474	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	125063	20.00	ng	0.00
76) Chrysene-d12	21.67	240	138450	20.00	ng	-0.02
87) Perylene-d12	24.93	264	142711	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	114250	143.99	ng	0.00
7) Phenol-d6	7.17	99	165987	145.36	ng	0.00
23) Nitrobenzene-d5	9.19	82	90045	77.89	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	74676	93.84	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	286491	82.59	ng	0.00
79) Terphenyl-d14	20.00	244	573636	76.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	12259	16.348	ng	# 64
51) 2,6-Dinitrotoluene	14.64	165	6014	6.705	ng	# 24
57) 2,4-Dinitrotoluene	14.64	165	6014	4.674	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	4816	2.996	ng	# 1
77) Benzidine	20.00	184	9124	2.155	ng	# 91

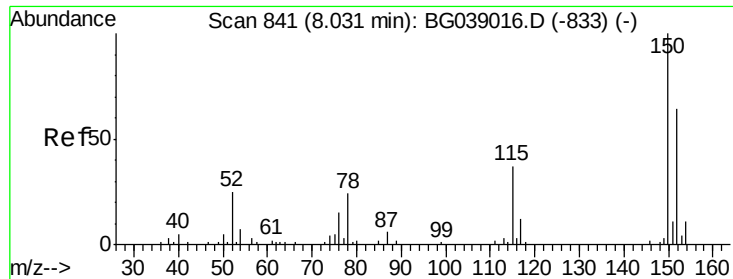
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG039245.D

Acq: 21 Jan 2019 22:37

Instrument :

BNA_G

ClientSampleId :

PB116524BL

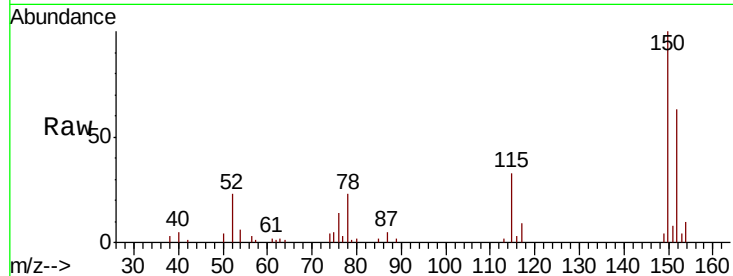
Tgt Ion:152 Resp: 15052

Ion Ratio Lower Upper

152 100

150 157.9 124.7 187.1

115 52.8 46.5 69.7

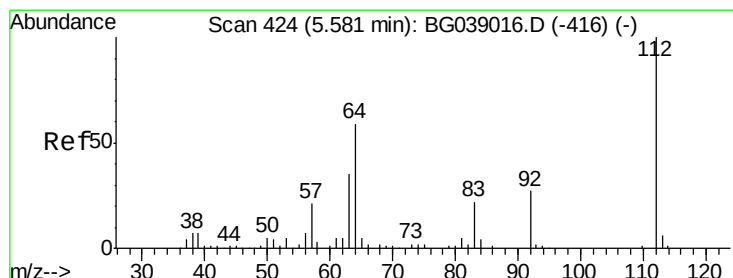
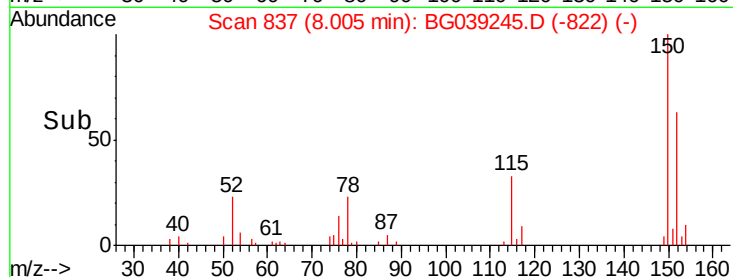
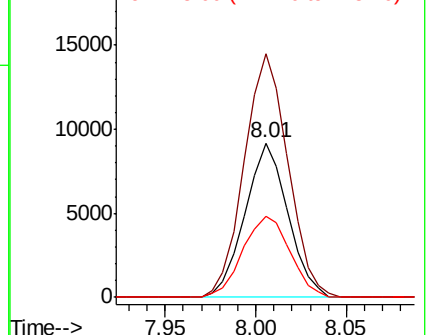


Abundance

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: 143.988 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG039245.D

Acq: 21 Jan 2019 22:37

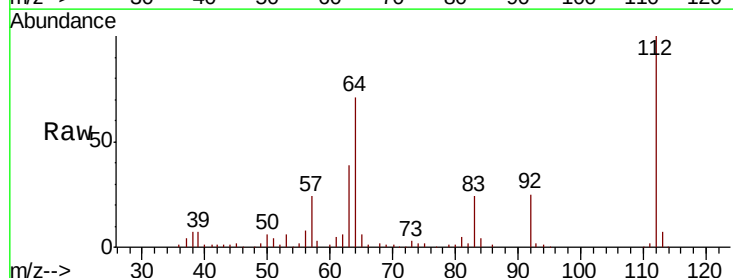
Tgt Ion:112 Resp: 114250

Ion Ratio Lower Upper

112 100

64 70.8 47.0 70.6#

63 39.1 28.0 42.0

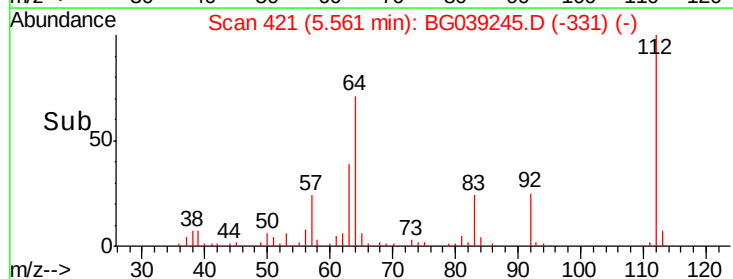
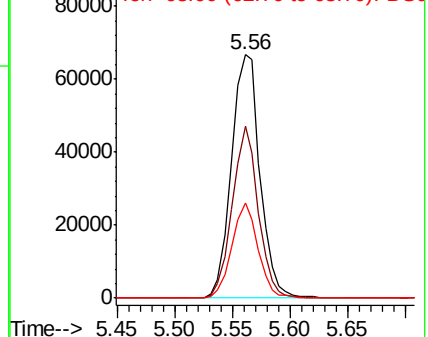


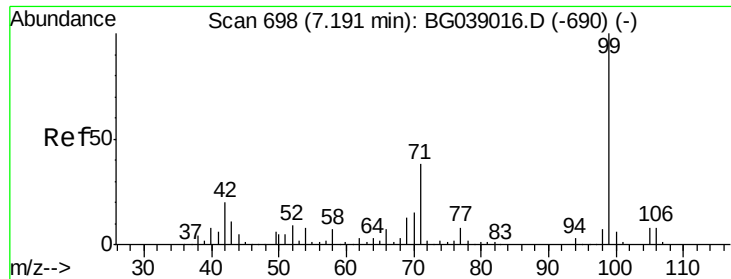
Abundance

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: 145.359 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039245.D

Acq: 21 Jan 2019 22:37

Instrument :

BNA_G

ClientSampleId :

PB116524BL

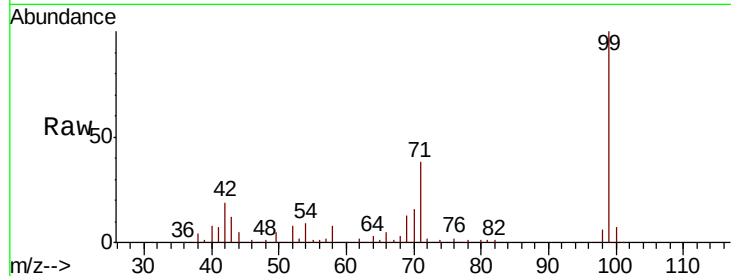
Tgt Ion: 99 Resp: 165987

Ion Ratio Lower Upper

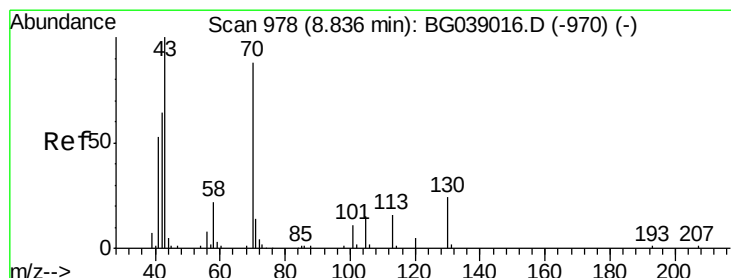
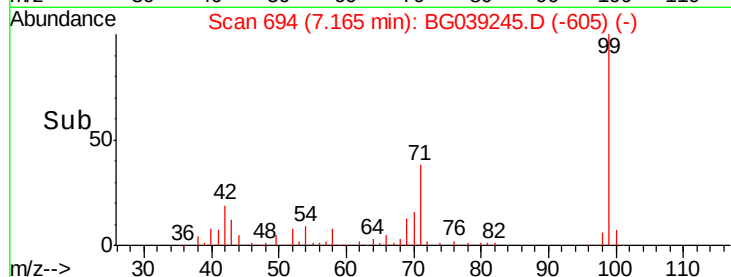
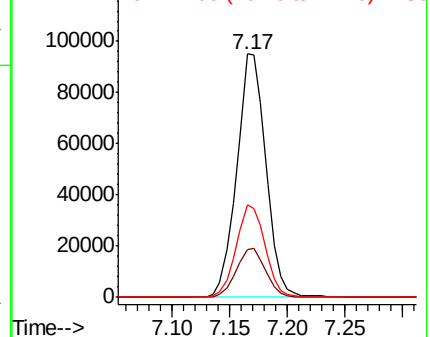
99 100

42 19.5 15.8 23.6

71 38.3 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: 16.348 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG039245.D

Acq: 21 Jan 2019 22:37

Tgt Ion: 70 Resp: 12259

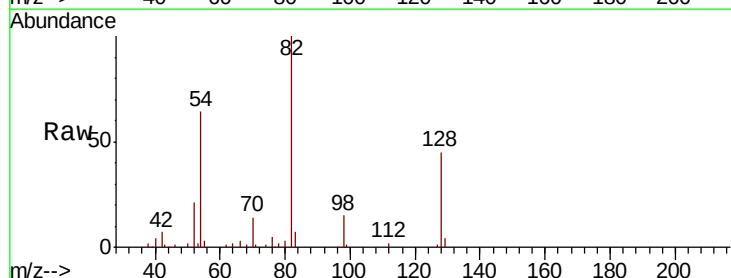
Ion Ratio Lower Upper

70 100

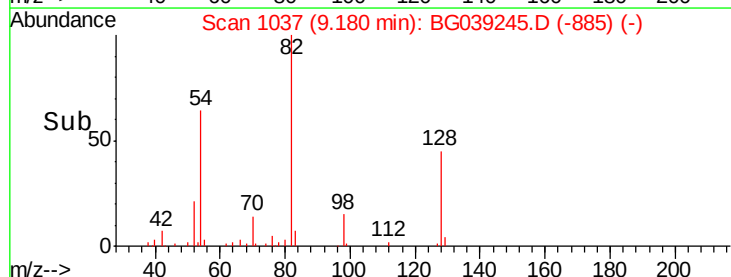
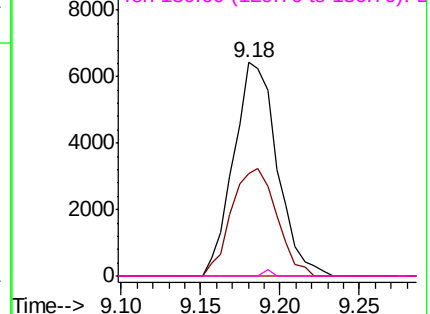
42 48.0 59.0 88.4#

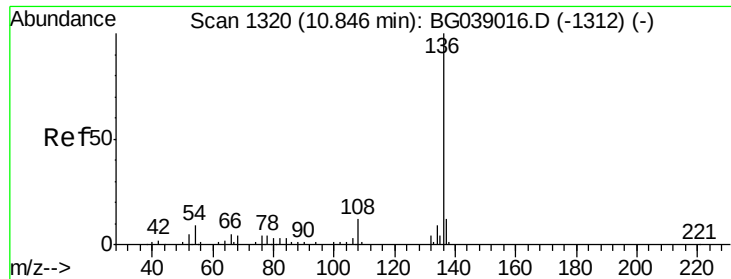
101 0.0 10.4 15.6#

130 0.0 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

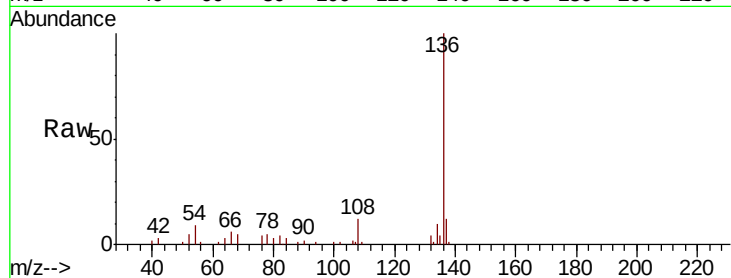




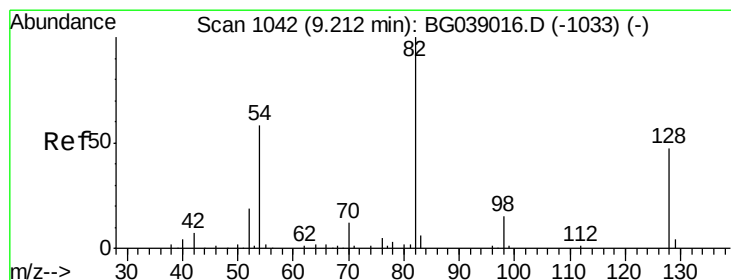
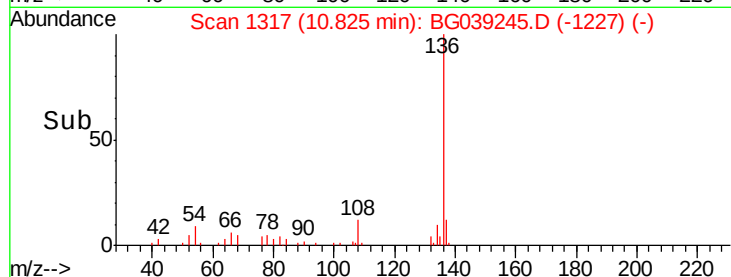
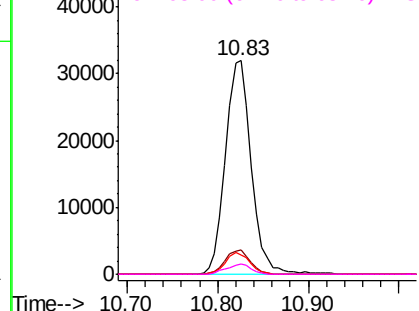
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG039245.D
Acq: 21 Jan 2019 22:37

Instrument :
BNA_G
ClientSampleId :
PB116524BL

Tgt Ion:	136	Resp:	63256
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.2
54	8.7	7.2	10.8
68	4.5	3.5	5.3

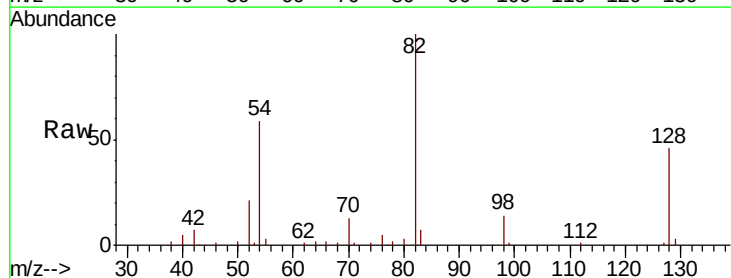


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

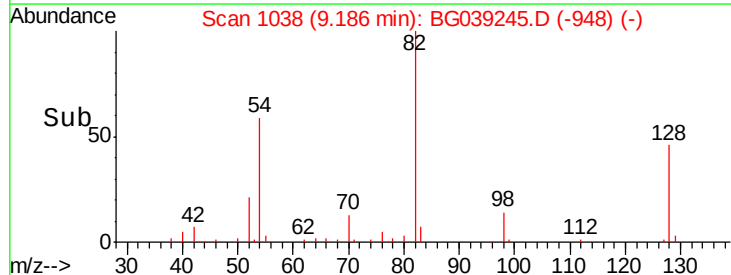
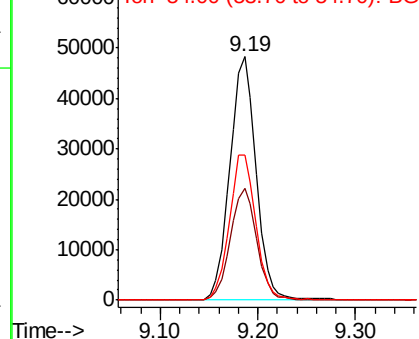


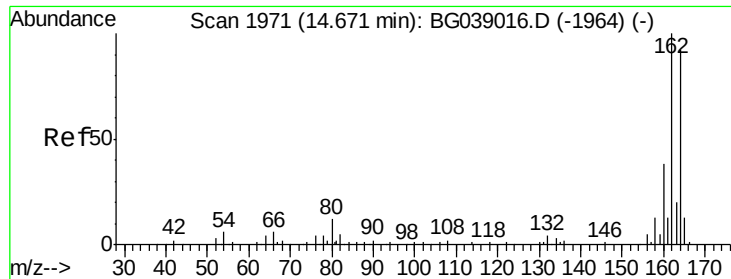
#23
Nitrobenzene-d5
Concen: 77.893 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG039245.D
Acq: 21 Jan 2019 22:37

Tgt Ion:	82	Resp:	90045
Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.3	55.9
54	59.5	46.4	69.6



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG039245.D

Acq: 21 Jan 2019 22:37

Instrument :

BNA_G

ClientSampleId :

PB116524BL

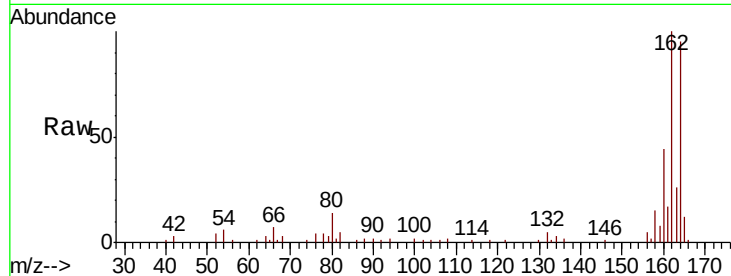
Tgt Ion:164 Resp: 47474

Ion Ratio Lower Upper

164 100

162 105.6 87.2 130.8

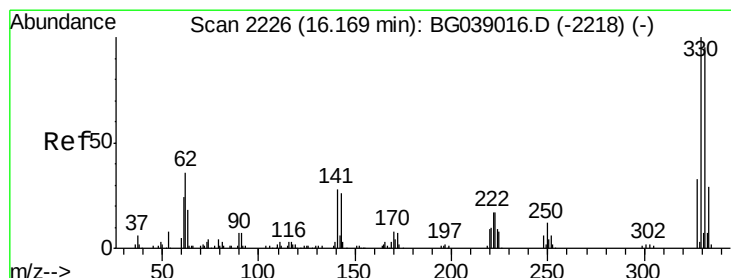
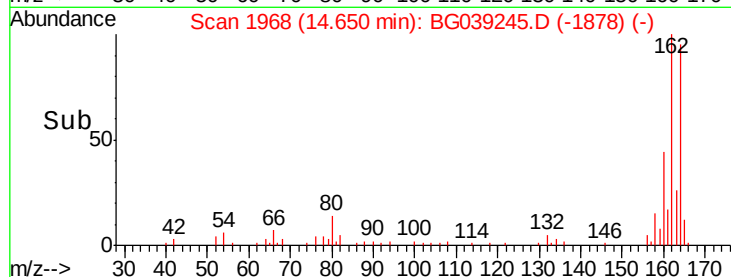
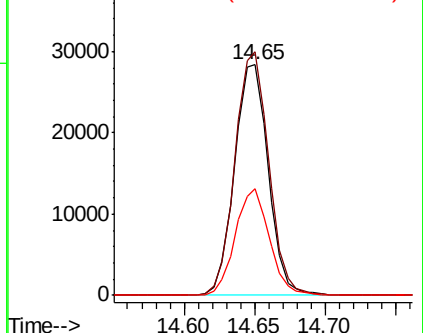
160 46.0 33.3 49.9



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: 93.838 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039245.D

Acq: 21 Jan 2019 22:37

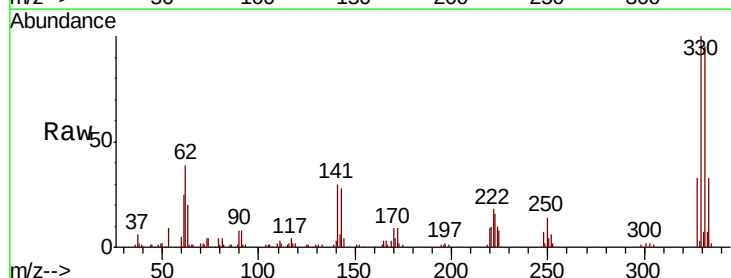
Tgt Ion:330 Resp: 74676

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

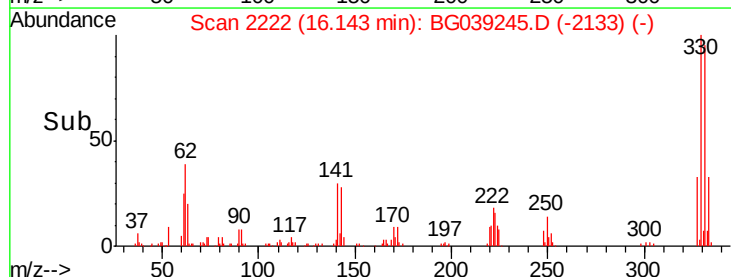
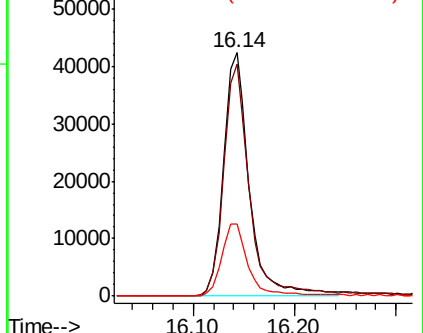
141 31.0 24.9 37.3

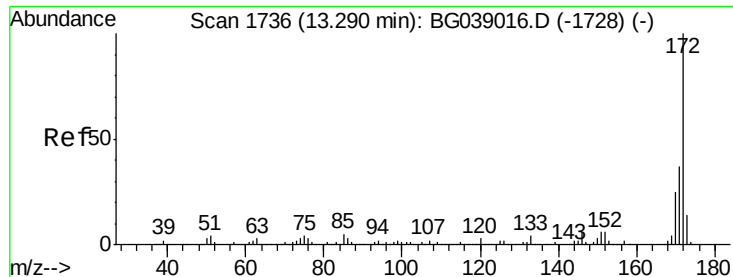


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

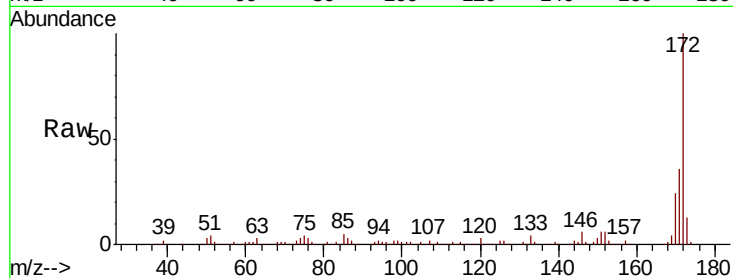




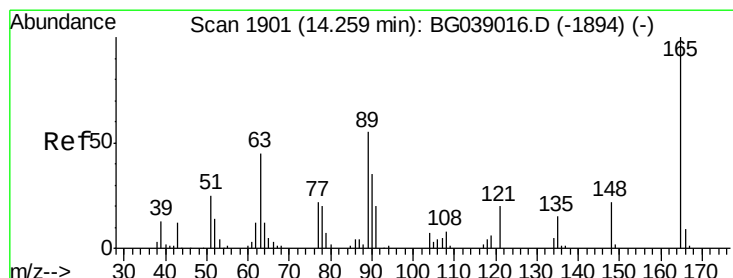
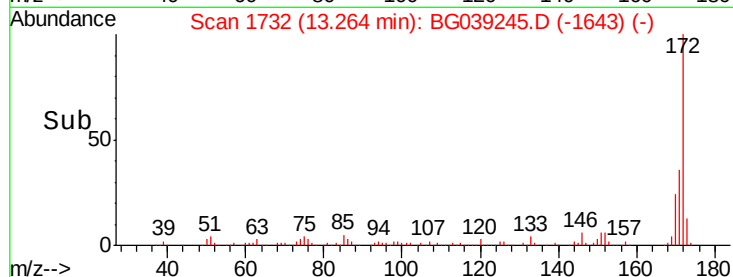
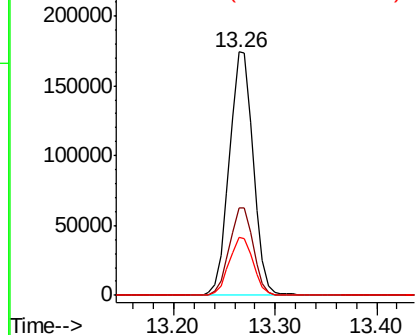
#45
 2-Fluorobiphenyl
 Concen: 82.589 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039245.D
 Acq: 21 Jan 2019 22:37

Instrument :
 BNA_G
 ClientSampleId :
 PB116524BL

Tgt Ion:172 Resp: 286491
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 23.8 20.1 30.1

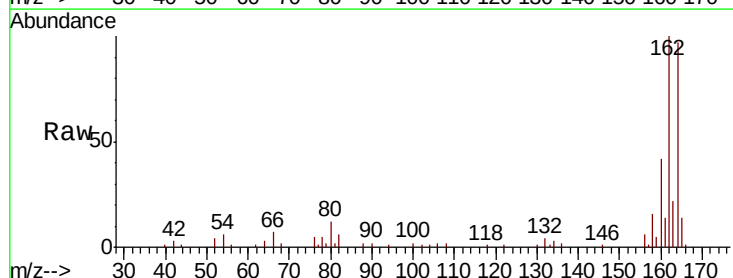


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

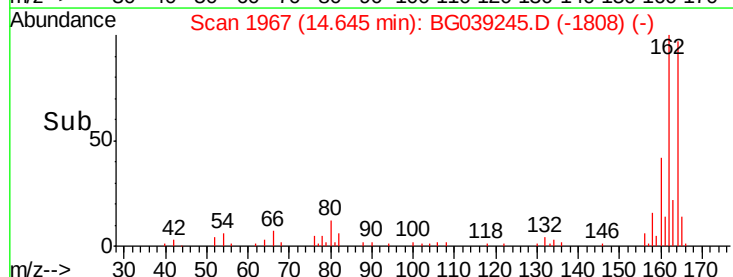
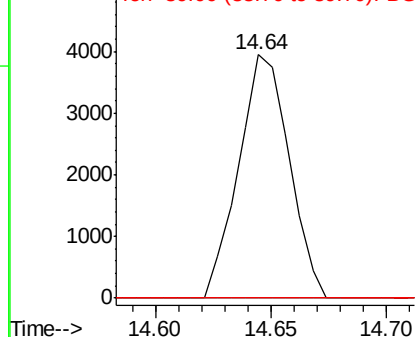


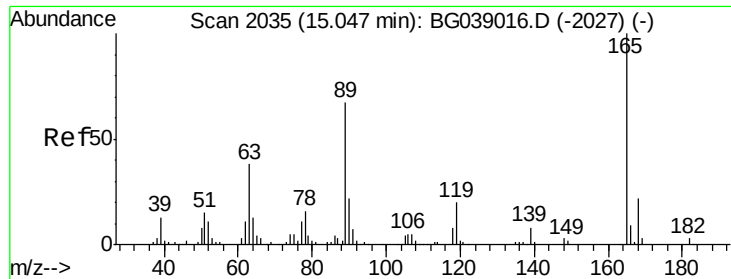
#51
 2,6-Dinitrotoluene
 Concen: 6.705 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039245.D
 Acq: 21 Jan 2019 22:37

Tgt Ion:165 Resp: 6014
 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

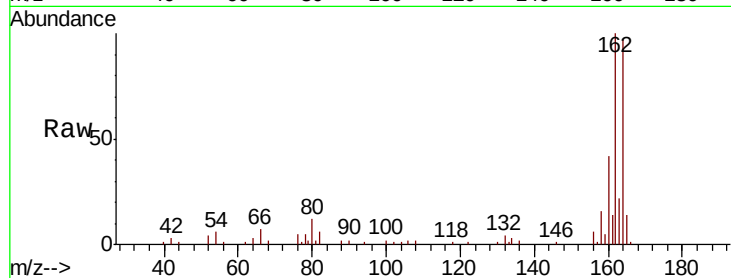




#57
 2,4-Dinitrotoluene
 Concen: 4.674 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.39 min
 Lab File: BG039245.D
 Acq: 21 Jan 2019 22:37

Instrument :
 BNA_G
 ClientSampleId :
 PB116524BL

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#



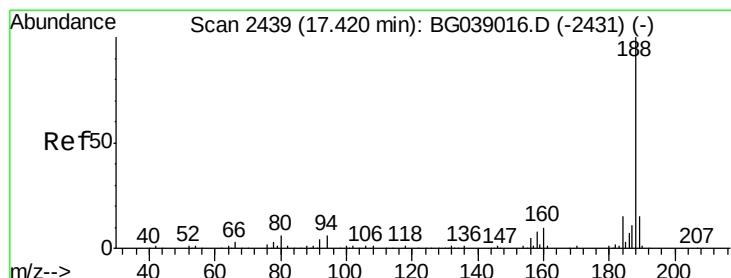
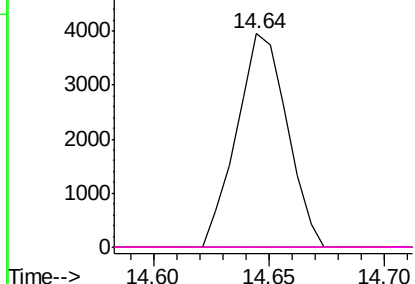
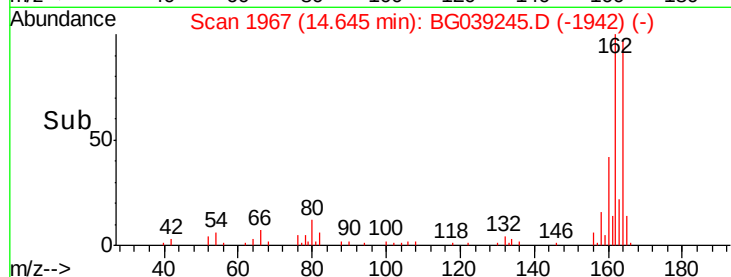
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

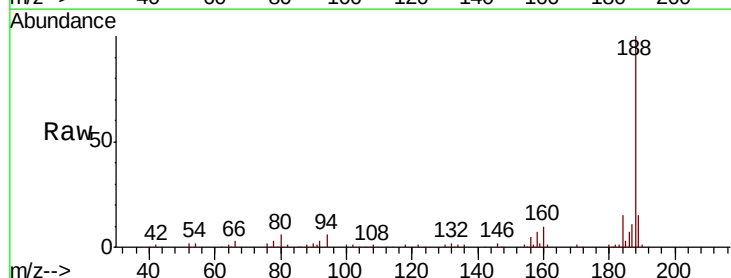
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG039245.D
 Acq: 21 Jan 2019 22:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.0	7.4
80	6.1	4.7	7.1

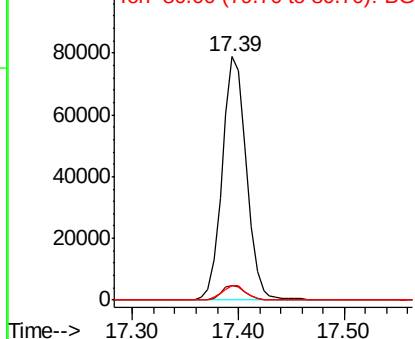
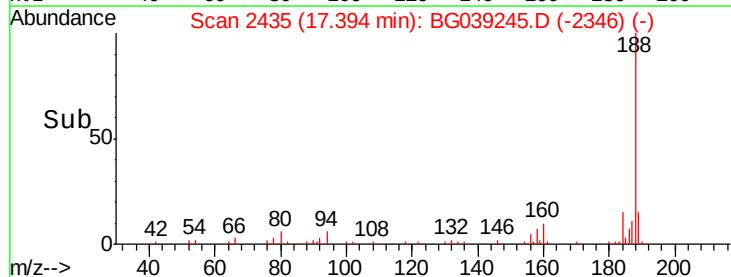


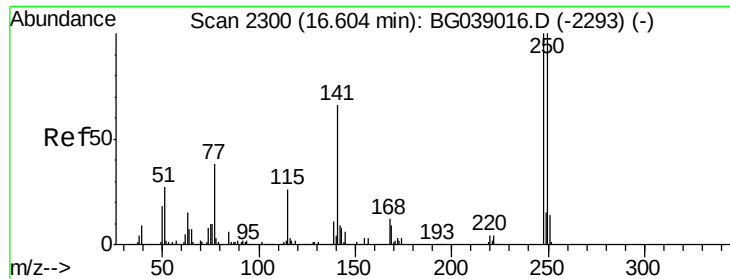
Abundance

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

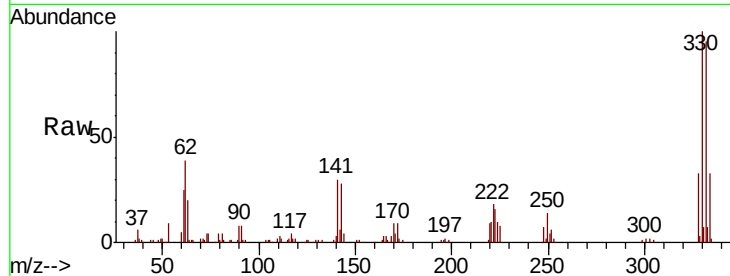




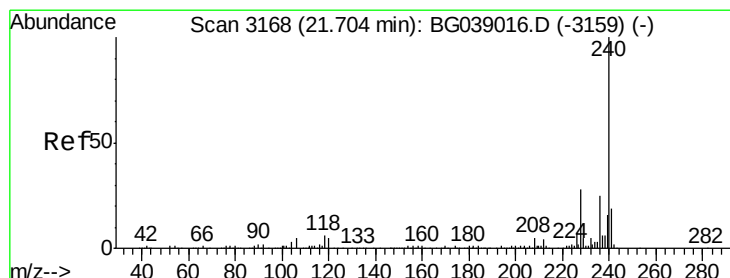
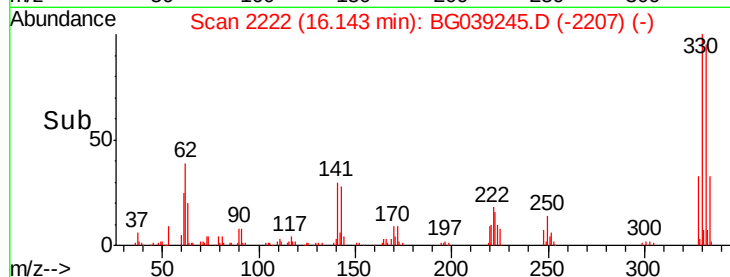
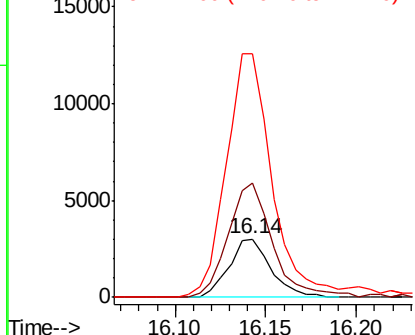
#67
 4-Bromophenyl-phenylether
 Concen: 2.996 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG039245.D
 Acq: 21 Jan 2019 22:37

Instrument :
 BNA_G
 ClientSampleId :
 PB116524BL

Tgt Ion:248 Resp: 4816
 Ion Ratio Lower Upper
 248 100
 250 189.8 79.9 119.9#
 141 321.6 52.7 79.1#

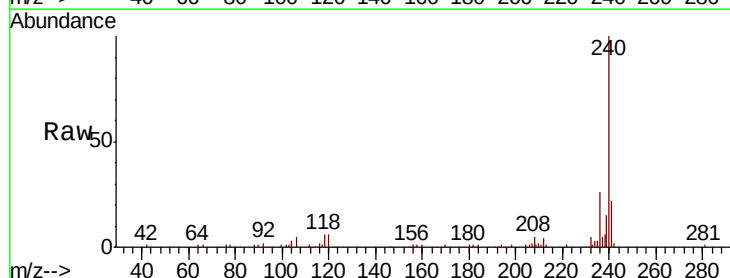


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

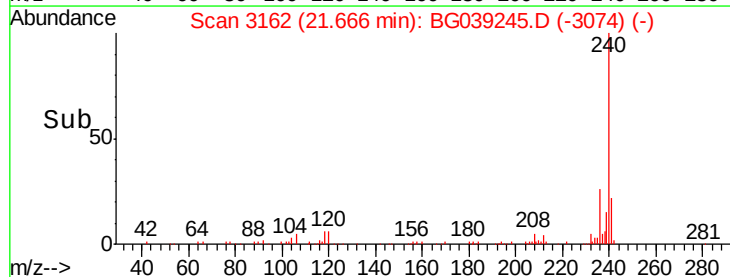
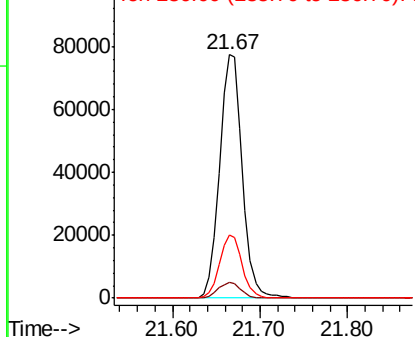


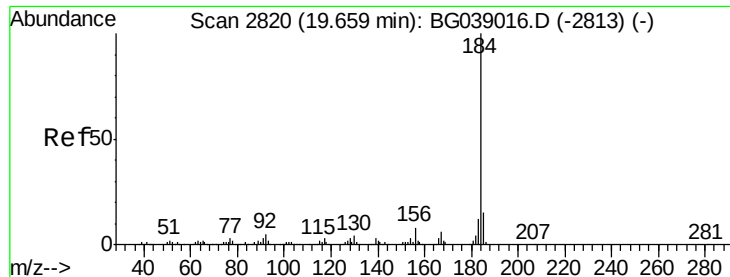
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.02 min
 Lab File: BG039245.D
 Acq: 21 Jan 2019 22:37

Tgt Ion:240 Resp: 138450
 Ion Ratio Lower Upper
 240 100
 120 6.4 4.3 6.5
 236 26.1 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: 2.155 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.35 min

Lab File: BG039245.D

Acq: 21 Jan 2019 22:37

Instrument :

BNA_G

ClientSampleId :

PB116524BL

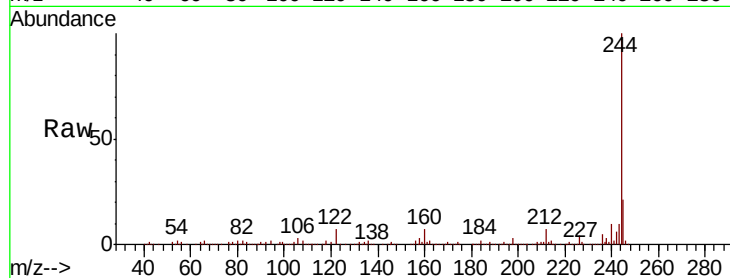
Tgt Ion:184 Resp: 9124

Ion Ratio Lower Upper

184 100

185 18.2 12.1 18.1#

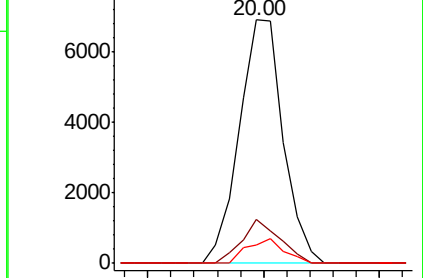
183 7.4 9.5 14.3#



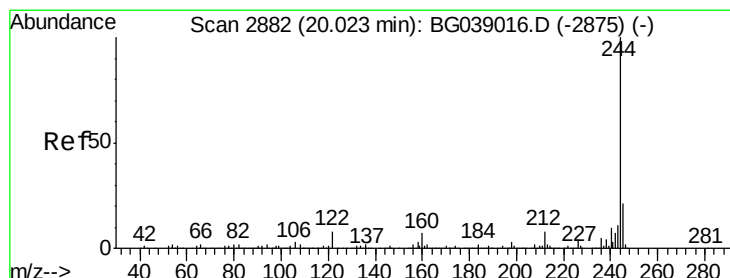
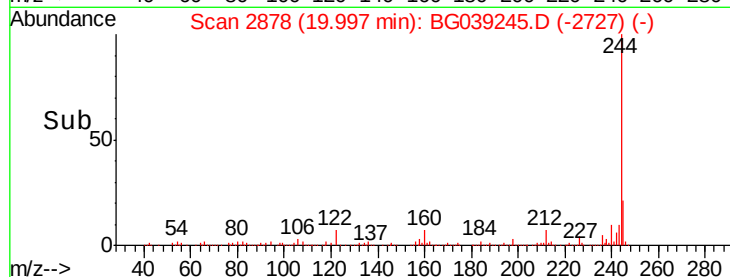
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#79

Terphenyl-d14

Concen: 76.646 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG039245.D

Acq: 21 Jan 2019 22:37

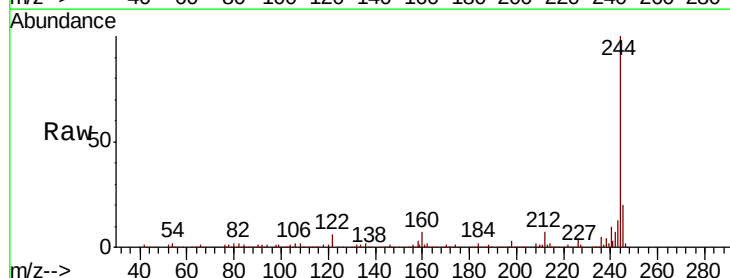
Tgt Ion:244 Resp: 573636

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

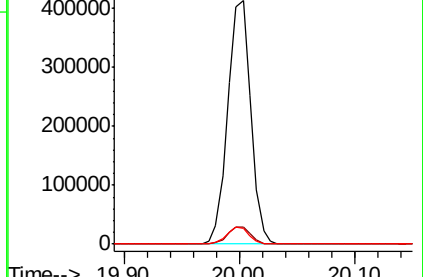
122 6.4 6.1 9.1



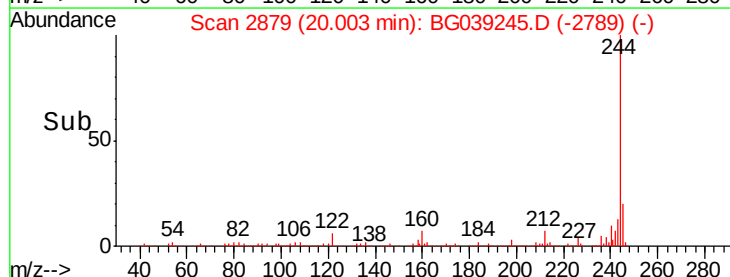
Abundance Ion 244.00 (243.70 to 244.70): E

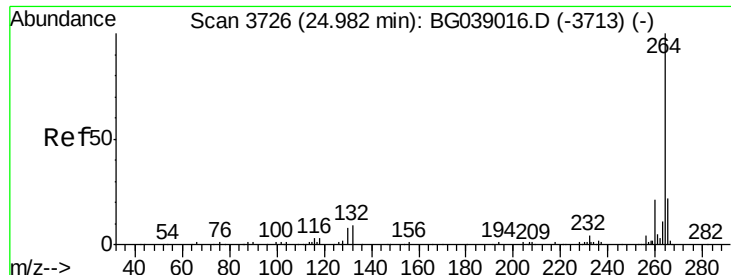
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

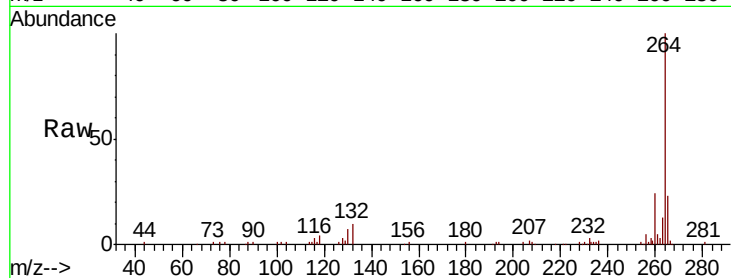




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.02 min
Lab File: BG039245.D
Acq: 21 Jan 2019 22:37

Instrument :
BNA_G
ClientSampleId :
PB116524BL

Tgt Ion:	264	Resp:	142711
Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.0	25.6
265	23.2	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

