

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021519\
 Data File : BG039529.D
 Acq On : 15 Feb 2019 20:04
 Operator : JU/SJ
 Sample : K1346-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-021419-E

Quant Time: Feb 16 03:20:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

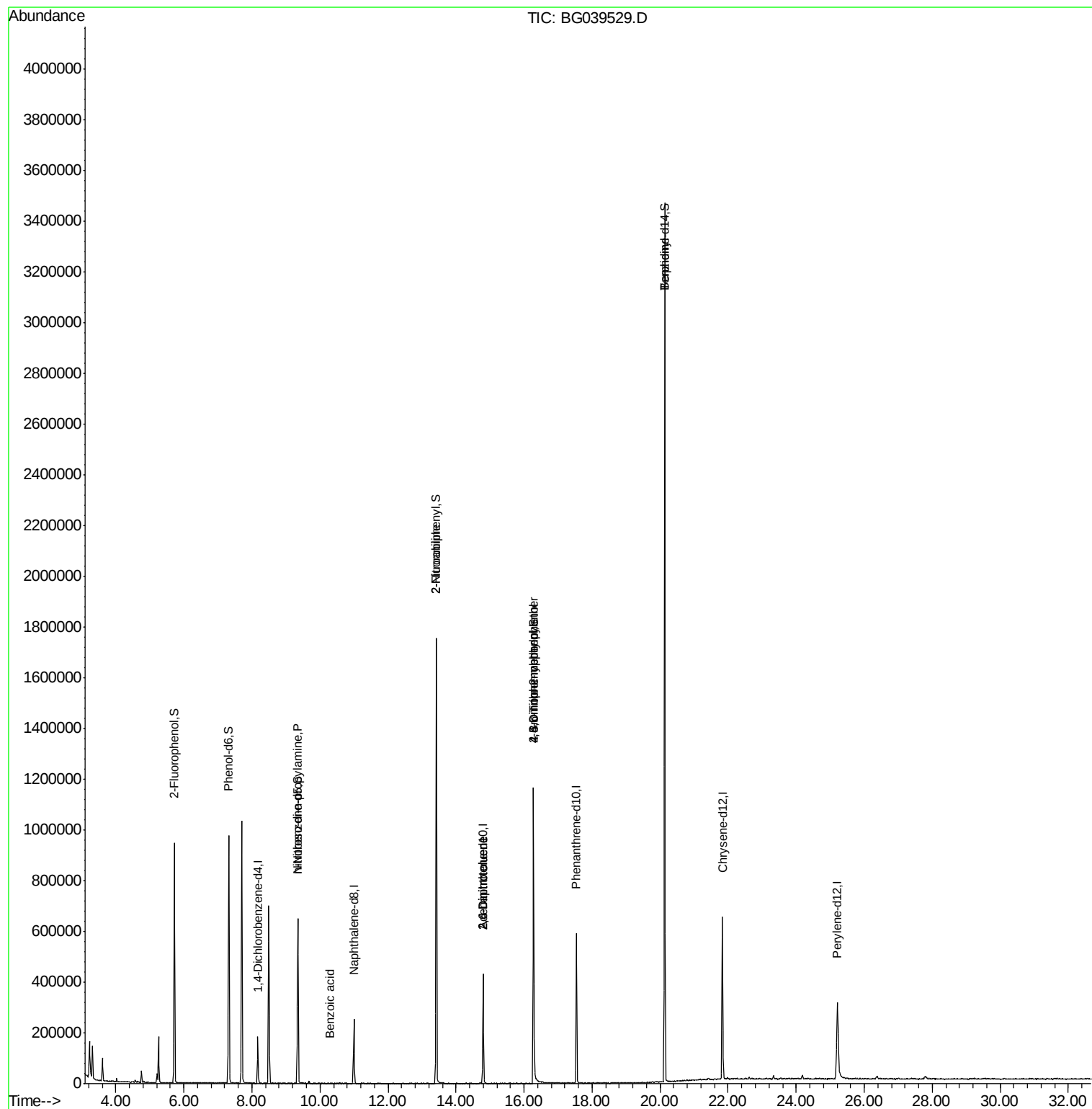
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	48569	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	217548	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	154750	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	383136	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	404060	20.00	ng	-0.02
87) Perylene-d12	25.21	264	397095	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	406654	143.30	ng	0.00
7) Phenol-d6	7.32	99	563277	134.85	ng	0.00
23) Nitrobenzene-d5	9.35	82	384219	110.33	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	228430	137.08	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	963726	89.34	ng	-0.01
79) Terphenyl-d14	20.13	244	1604698	84.06	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.32	77	1090	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	49412	16.666 ng	#	4
32) Benzoic acid	10.29	122	60	9.045 ng	#	71
48) 2-Nitroaniline	13.42	65	1591	8.769 ng	#	1
51) 2,6-Dinitrotoluene	14.79	165	20116	13.994 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	20116	13.452 ng	#	24
65) 4,6-Dinitro-2-methylphenol	16.28	198	704	4.764 ng	#	19
67) 4-Bromophenyl-phenylether	16.28	248	17206	4.048 ng	#	1
77) Benzidine	20.13	184	29120	2.198 ng	#	93

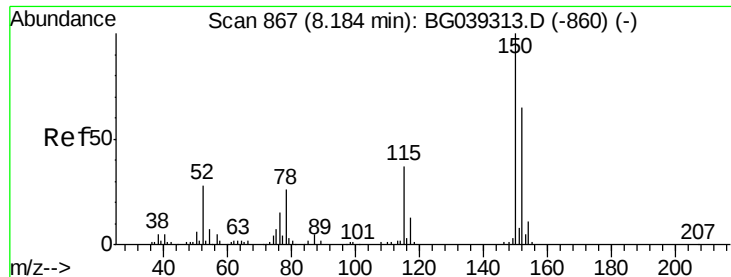
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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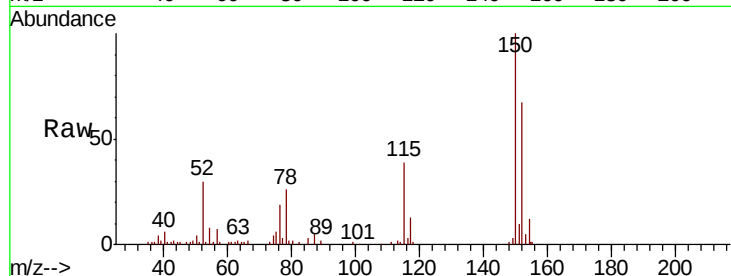


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039529.D
Acq: 15 Feb 2019 20:04

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-E

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.4	123.7	185.5
115	57.6	45.9	68.9

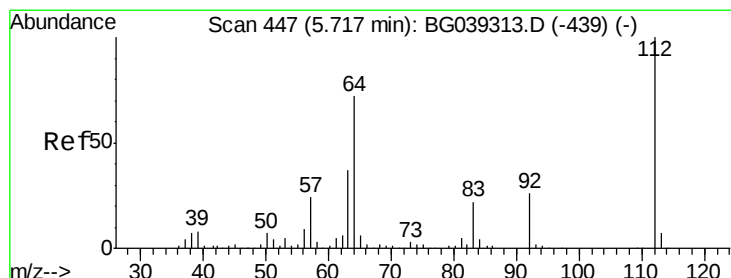
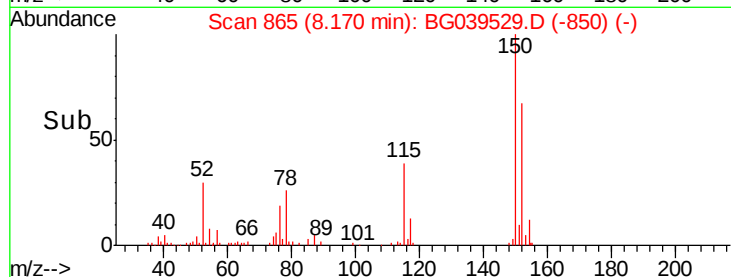
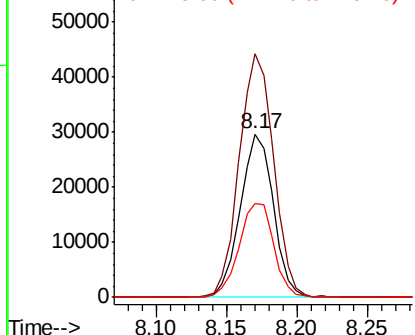


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

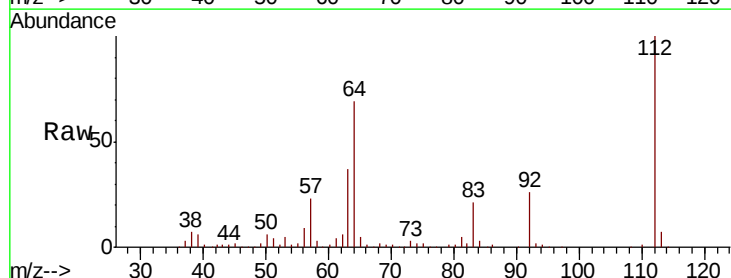
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 143.300 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039529.D
Acq: 15 Feb 2019 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	57.8	86.8
63	37.4	29.8	44.6

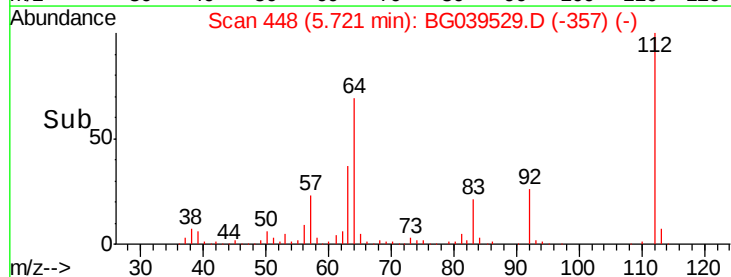
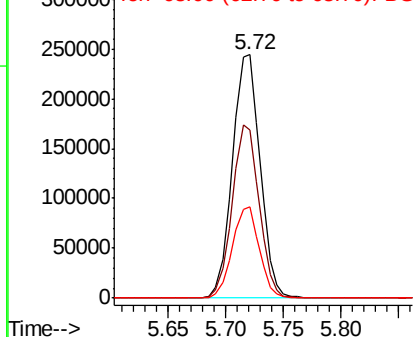


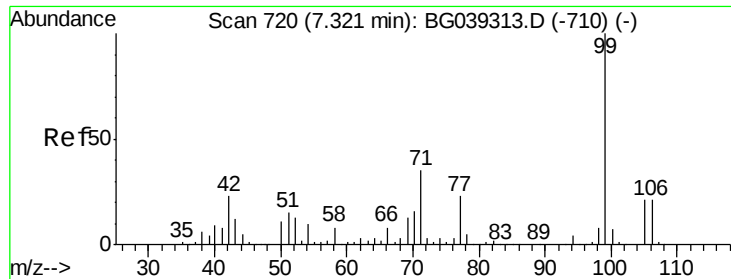
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 134.847 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-E

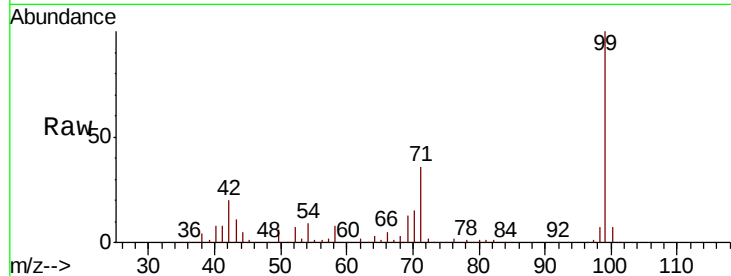
Tgt Ion: 99 Resp: 563277

Ion Ratio Lower Upper

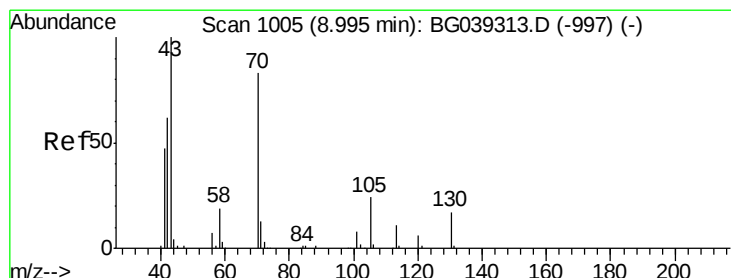
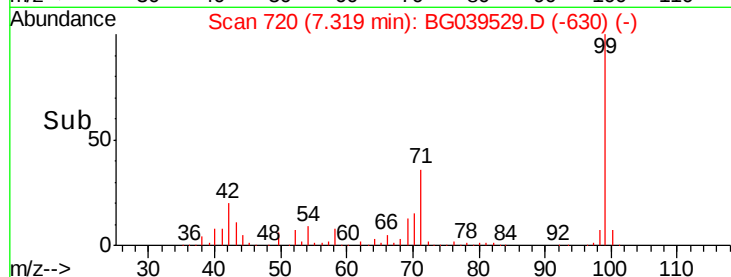
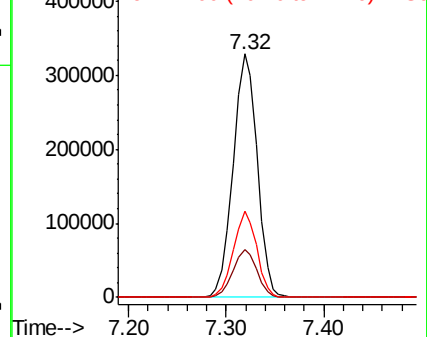
99 100

42 19.7 18.2 27.2

71 35.5 28.0 42.0



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: 16.666 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

Tgt Ion: 70 Resp: 49412

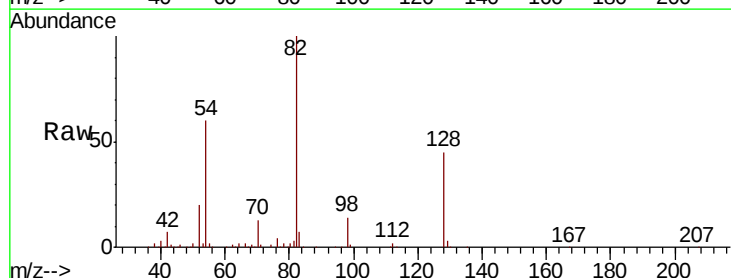
Ion Ratio Lower Upper

70 100

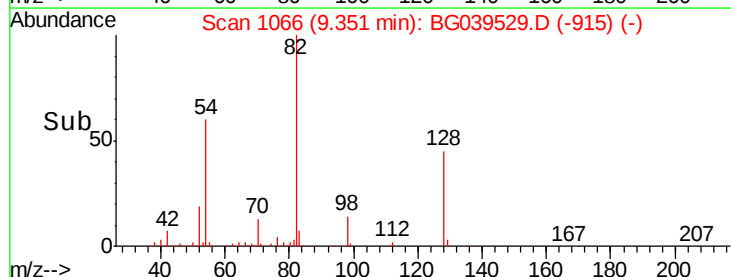
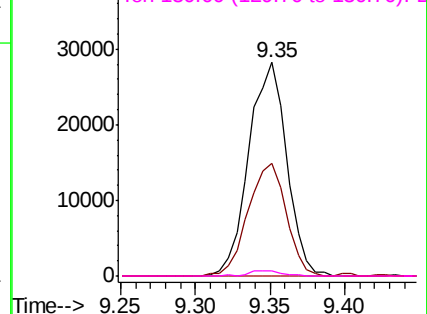
42 52.6 60.4 90.6#

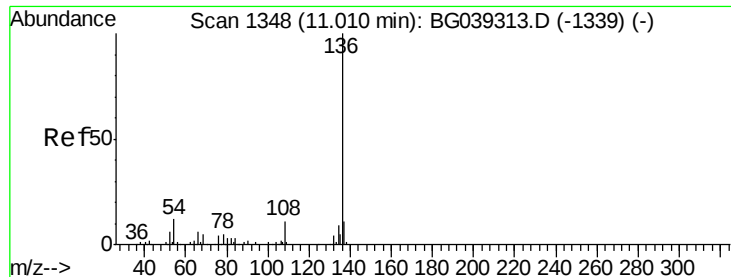
101 0.0 7.5 11.3#

130 2.3 16.9 25.3#



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

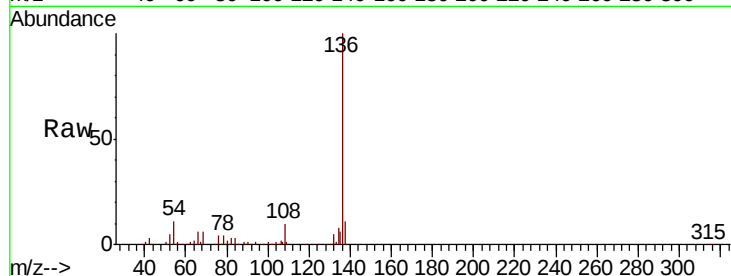




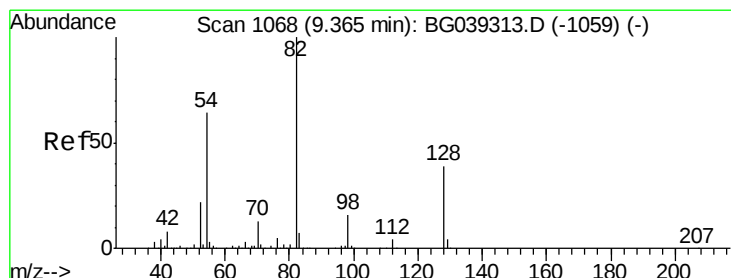
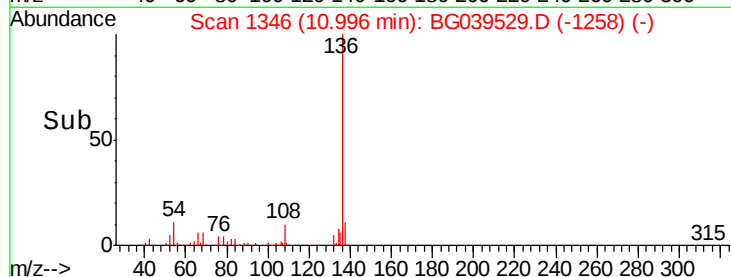
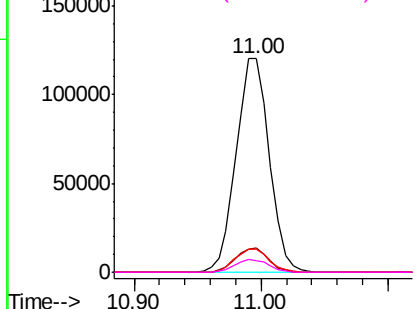
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039529.D
Acq: 15 Feb 2019 20:04

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-E

Tgt Ion:	136	Resp:	217548
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	10.6	9.4	14.2
68	5.7	4.2	6.4

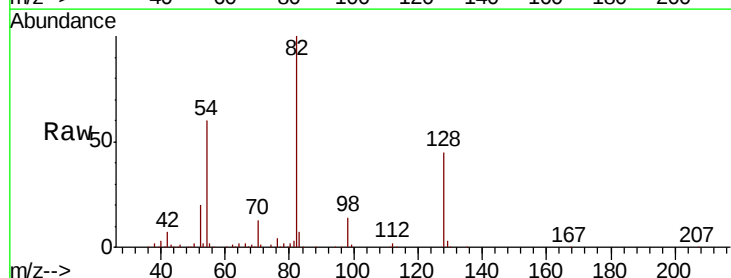


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

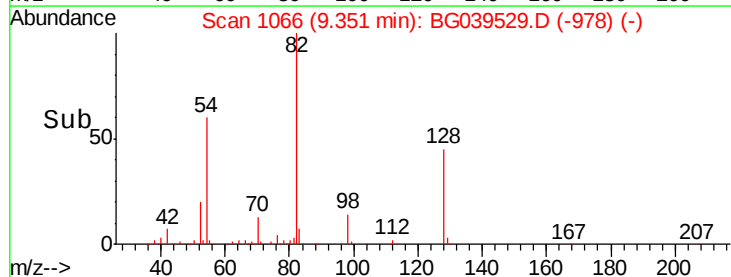
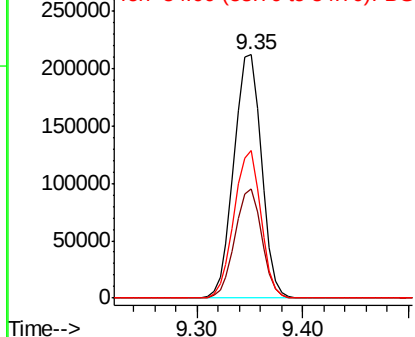


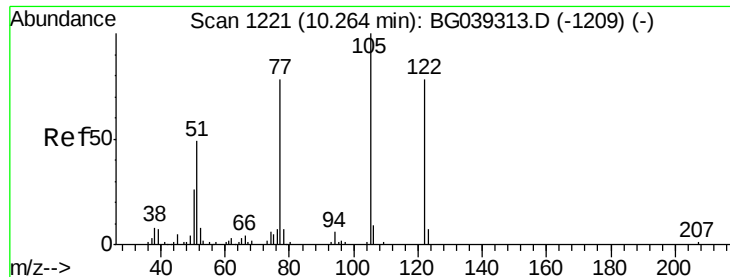
#23
Nitrobenzene-d5
Concen: 110.333 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039529.D
Acq: 15 Feb 2019 20:04

Tgt Ion:	82	Resp:	384219
Ion	Ratio	Lower	Upper
82	100		
128	44.7	31.3	46.9
54	60.4	50.9	76.3



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





#32

Benzoic acid

Concen: 9.045 ng

RT: 10.29 min Scan# 1226

Delta R.T. 0.03 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-E

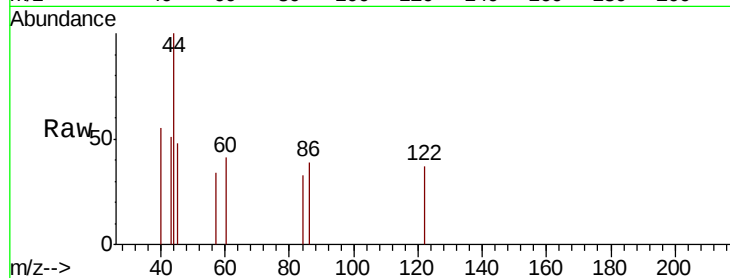
Tgt Ion:122 Resp: 60

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

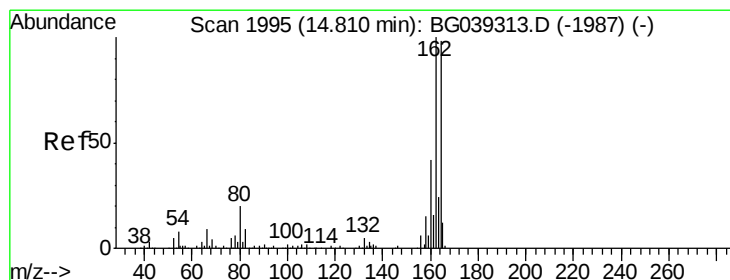
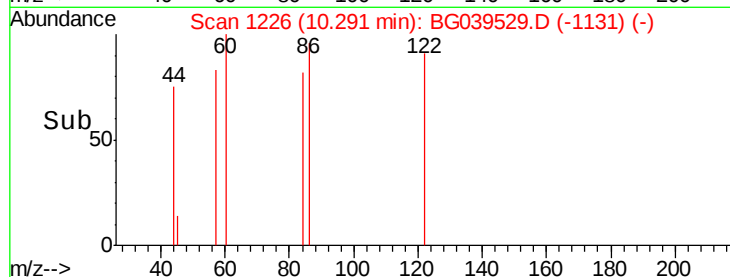
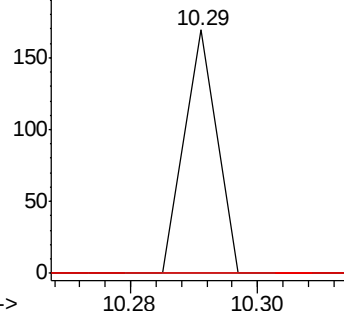
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

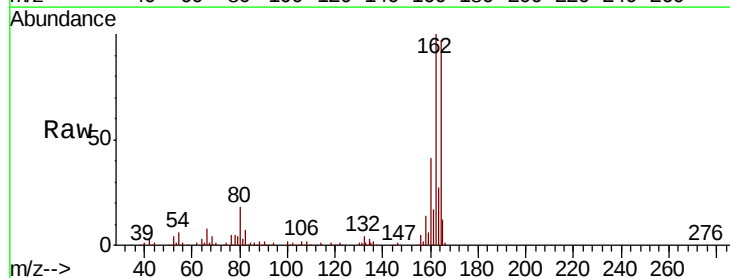
Tgt Ion:164 Resp: 154750

Ion Ratio Lower Upper

164 100

162 103.2 81.6 122.4

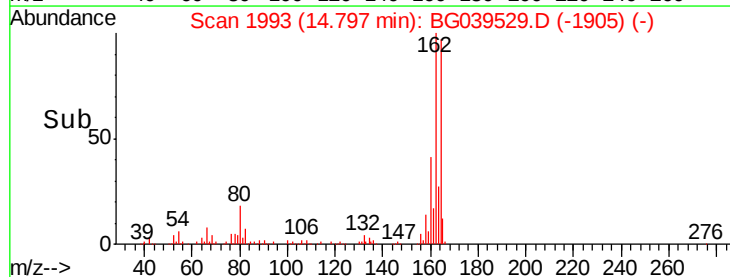
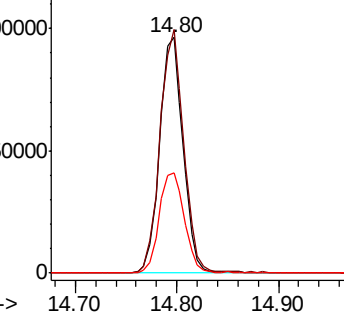
160 42.2 34.2 51.2

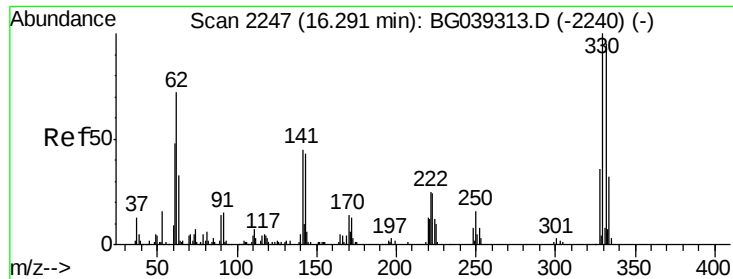


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

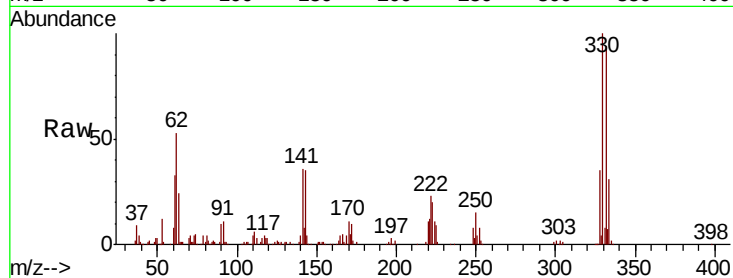




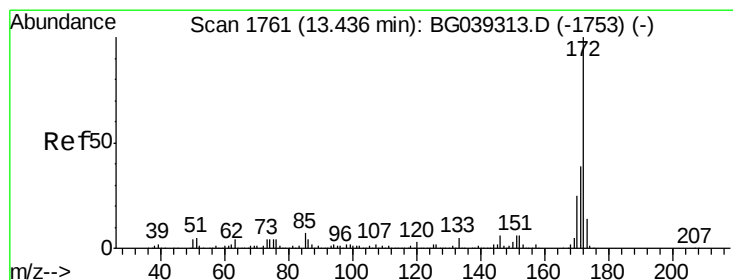
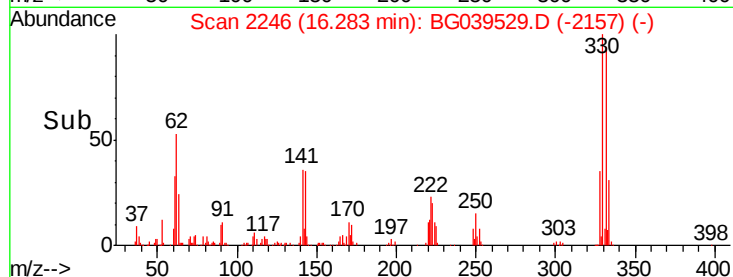
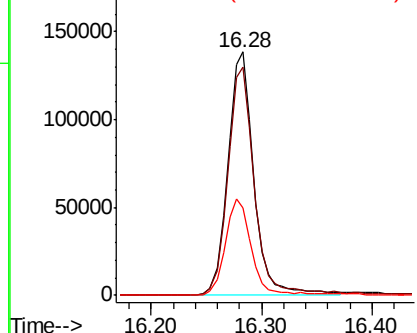
#42
 2,4,6-Tribromophenol
 Concen: 137.081 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039529.D
 Acq: 15 Feb 2019 20:04

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-021419-E

Tgt Ion:330 Resp: 228430
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.7 113.5
 141 39.6 35.6 53.4

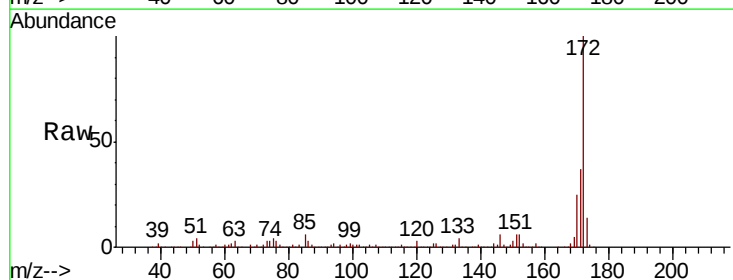


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

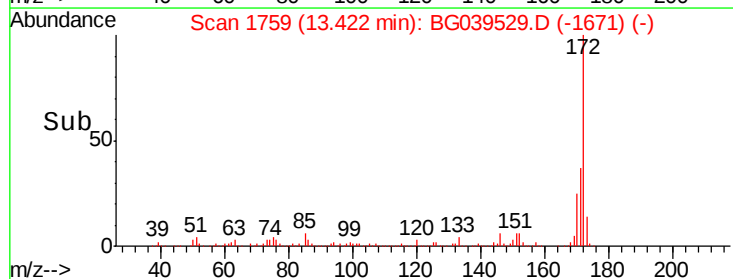
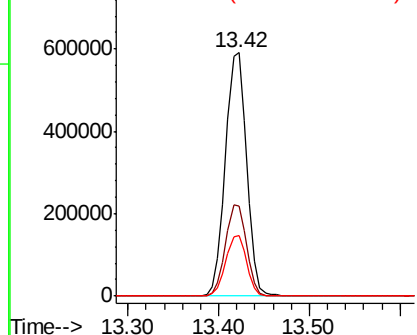


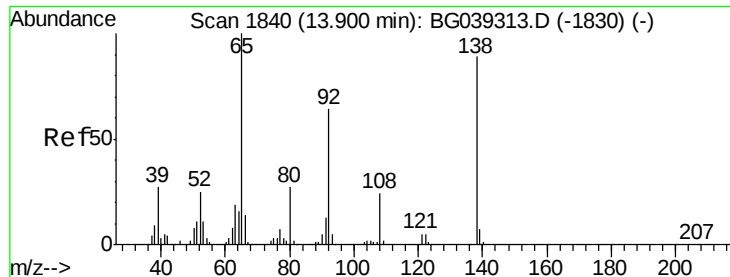
#45
 2-Fluorobiphenyl
 Concen: 89.338 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039529.D
 Acq: 15 Feb 2019 20:04

Tgt Ion:172 Resp: 963726
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.8 46.2
 170 24.6 20.2 30.4



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





#48

2-Nitroaniline

Concen: 8.769 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-E

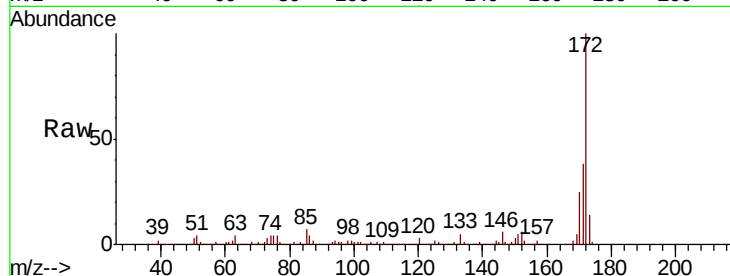
Tgt Ion: 65 Resp: 1591

Ion Ratio Lower Upper

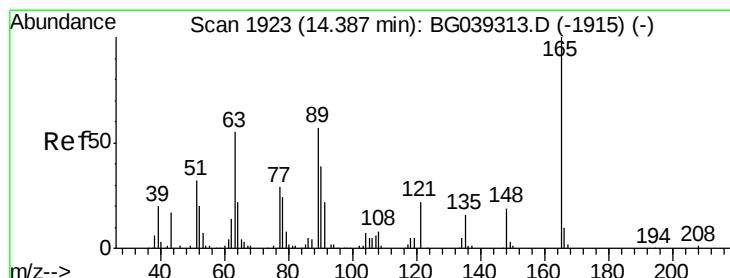
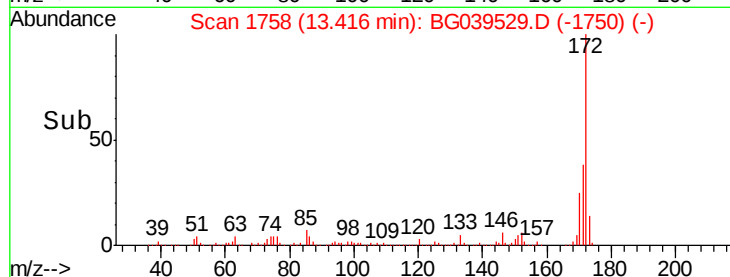
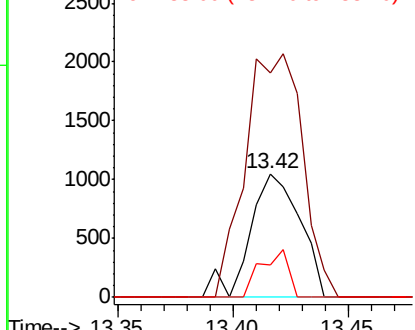
65 100

92 181.3 51.4 77.2#

138 25.7 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 13.994 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

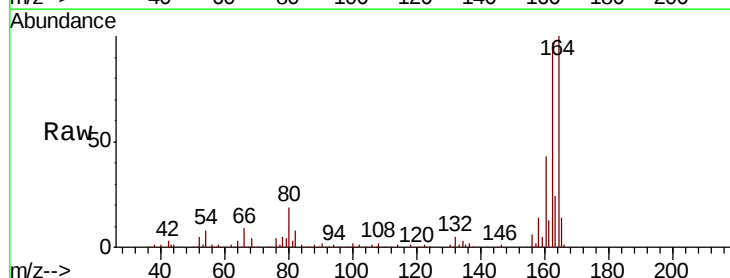
Tgt Ion: 165 Resp: 20116

Ion Ratio Lower Upper

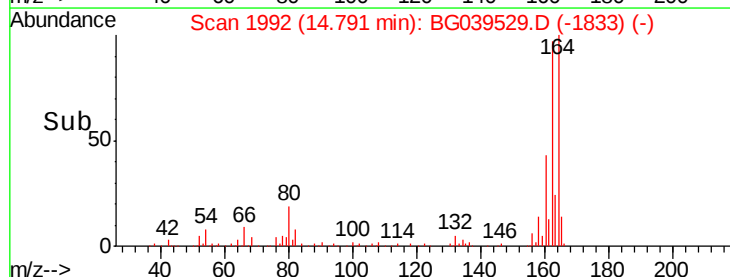
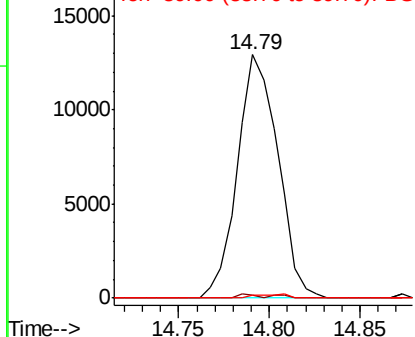
165 100

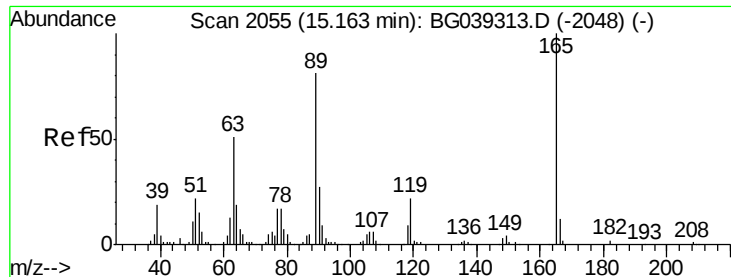
63 1.2 47.0 70.6#

89 1.4 45.8 68.8#



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





#57

2,4-Dinitrotoluene

Concen: 13.452 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-E

Tgt Ion:165 Resp: 20116

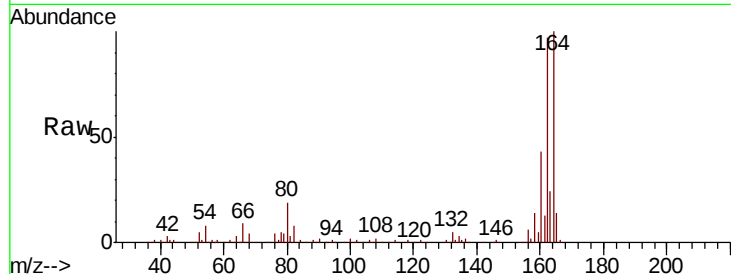
Ion Ratio Lower Upper

165 100

63 1.2 41.0 61.6#

89 1.4 64.6 96.8#

182 0.0 2.0 3.0#



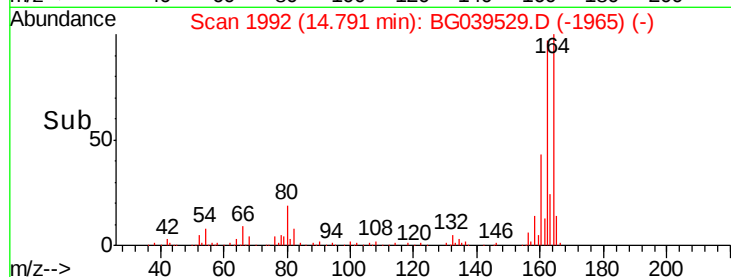
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

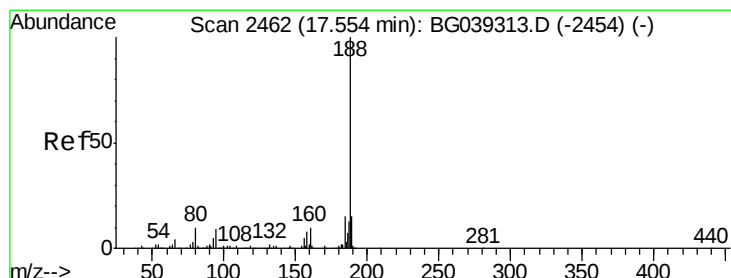
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

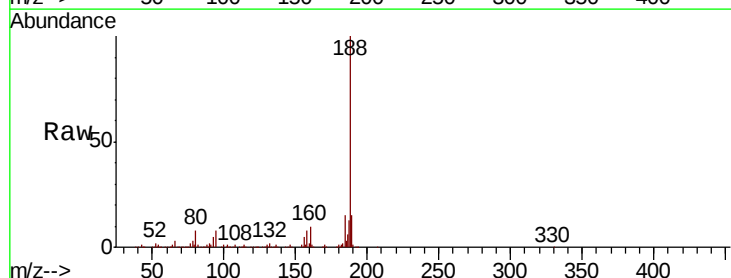
Tgt Ion:188 Resp: 383136

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

80 8.1 8.1 12.1

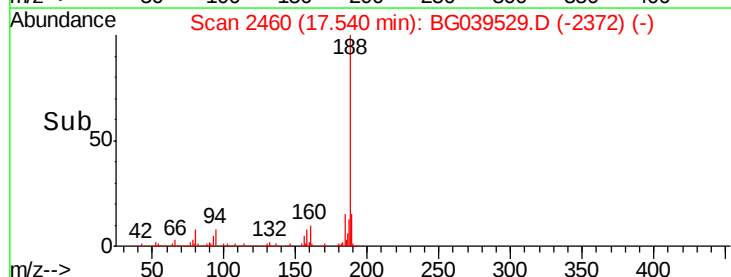


Abundance Ion 188.00 (187.70 to 188.70): E

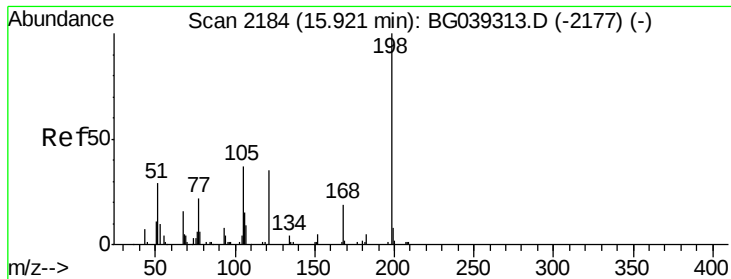
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.764 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-E

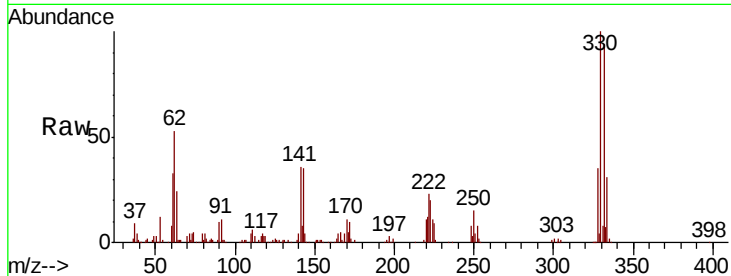
Tgt Ion:198 Resp: 704

Ion Ratio Lower Upper

198 100

51 150.5 27.4 67.4#

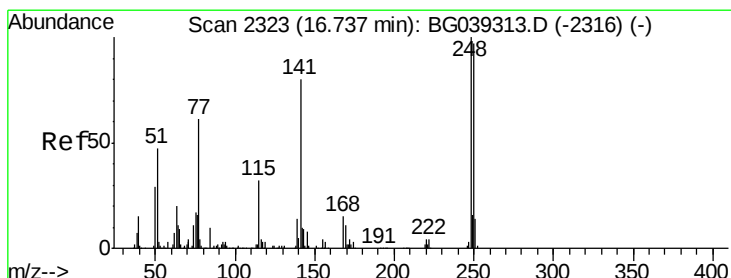
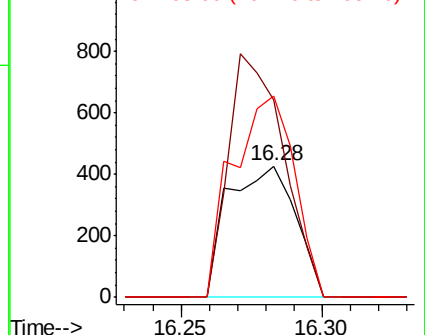
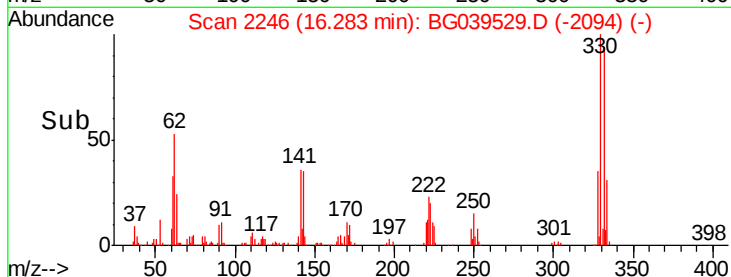
105 154.2 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.048 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.45 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

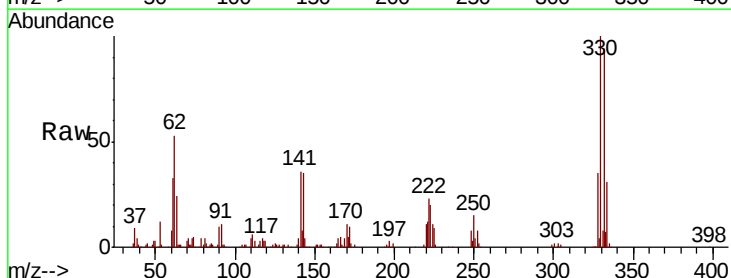
Tgt Ion:248 Resp: 17206

Ion Ratio Lower Upper

248 100

250 194.3 77.6 116.4#

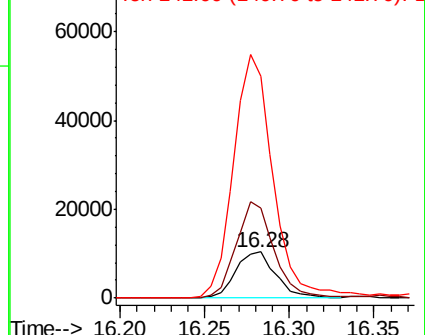
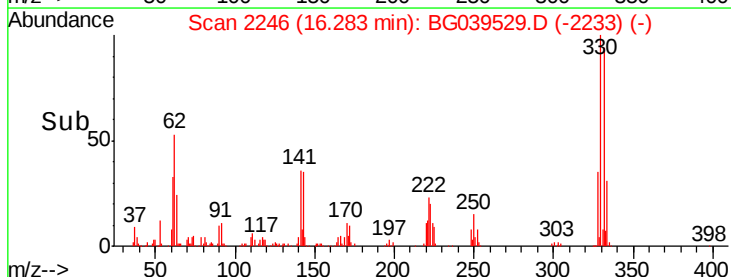
141 478.8 63.9 95.9#

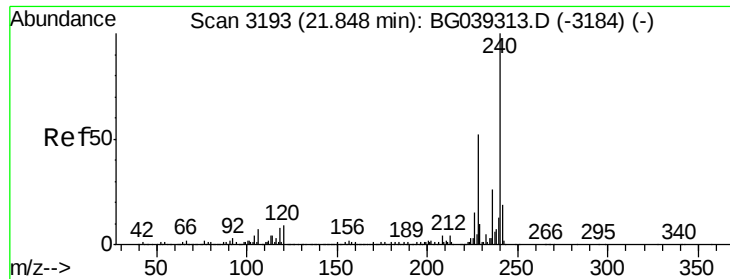


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

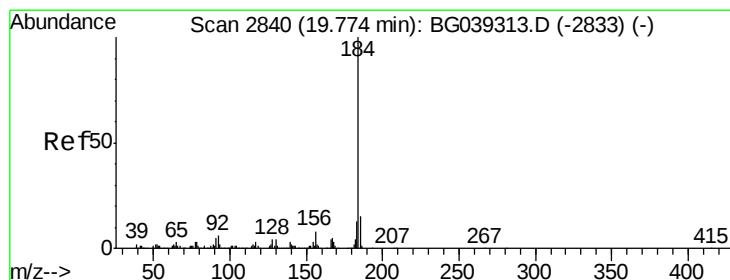
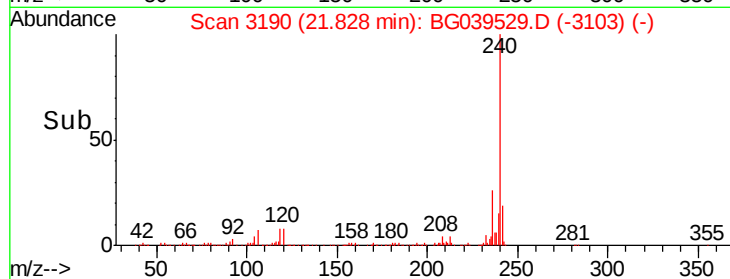
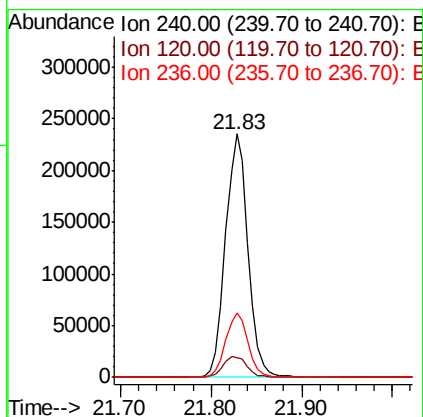
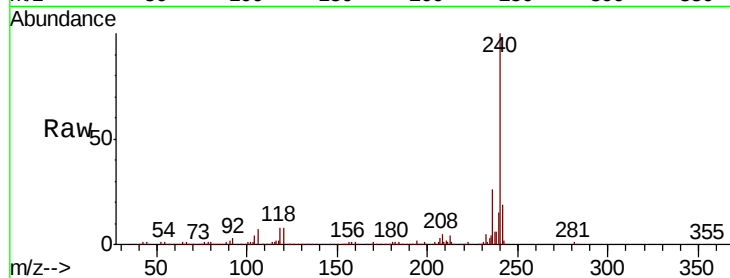




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039529.D
Acq: 15 Feb 2019 20:04

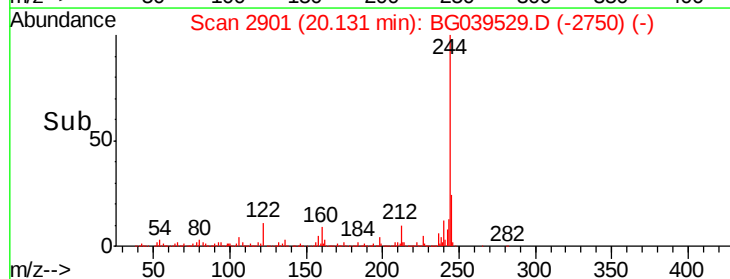
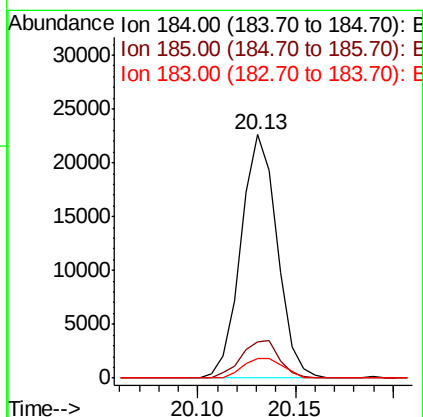
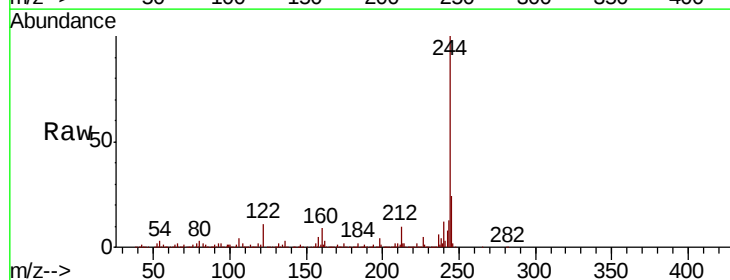
Instrument :
BNA_G
ClientSampleId :
CL-01-021419-E

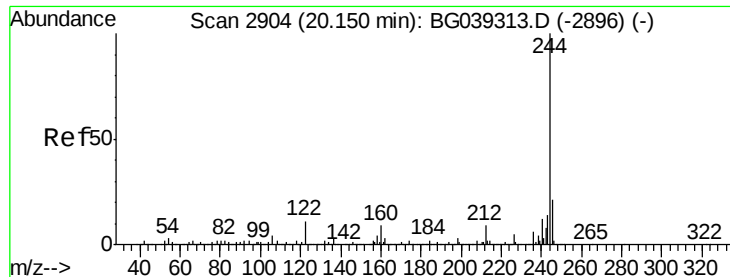
Tgt Ion:240 Resp: 404060
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 26.4 21.0 31.4



#77
Benzidine
Concen: 2.198 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039529.D
Acq: 15 Feb 2019 20:04

Tgt Ion:184 Resp: 29120
Ion Ratio Lower Upper
184 100
185 14.7 12.2 18.2
183 8.2 10.6 15.8#





#79

Terphenyl-d14

Concen: 84.063 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-E

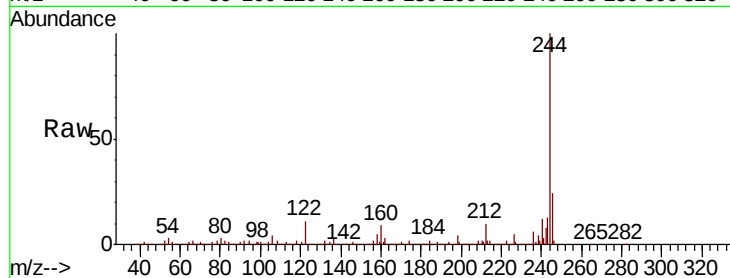
Tgt Ion:244 Resp: 1604698

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

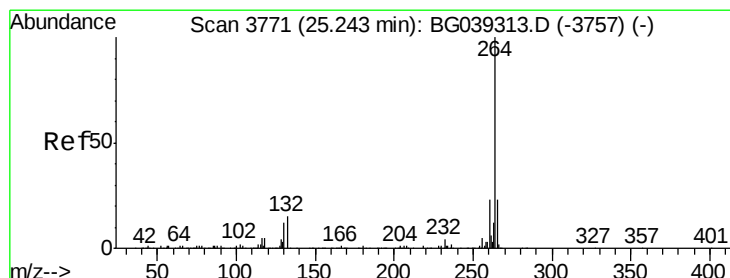
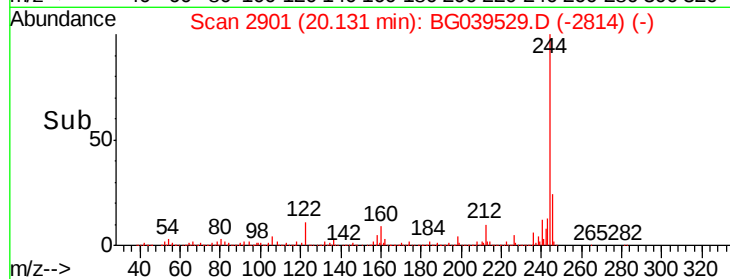
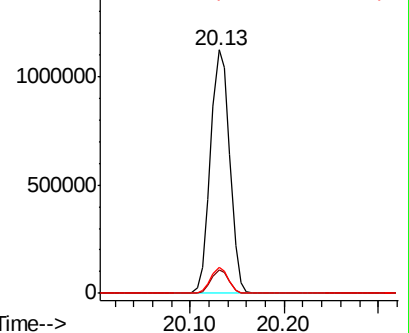
122 10.7 8.4 12.6



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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039529.D

Acq: 15 Feb 2019 20:04

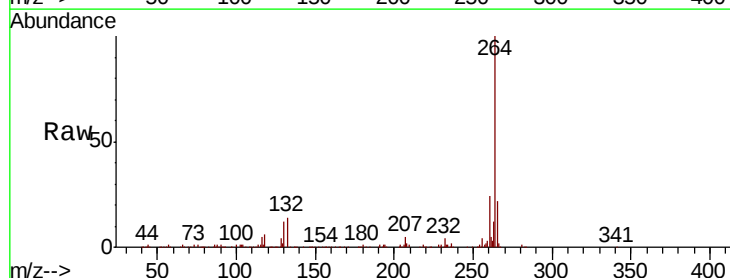
Tgt Ion:264 Resp: 397095

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

265 21.8 18.5 27.7



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

