

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020819\
 Data File : BG039427.D
 Acq On : 8 Feb 2019 22:31
 Operator : JU/SJ
 Sample : K1348-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-020719

Quant Time: Feb 08 23:37:33 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	50800	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	217728	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	137984	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	338817	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	378839	20.00	ng	-0.02
87) Perylene-d12	25.21	264	359944	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	411971	138.80	ng	0.00
7) Phenol-d6	7.31	99	533359	122.08	ng	0.00
23) Nitrobenzene-d5	9.35	82	371937	106.72	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	218779	147.24	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	872215	90.68	ng	-0.02
79) Terphenyl-d14	20.13	244	1497550	83.67	ng	-0.02

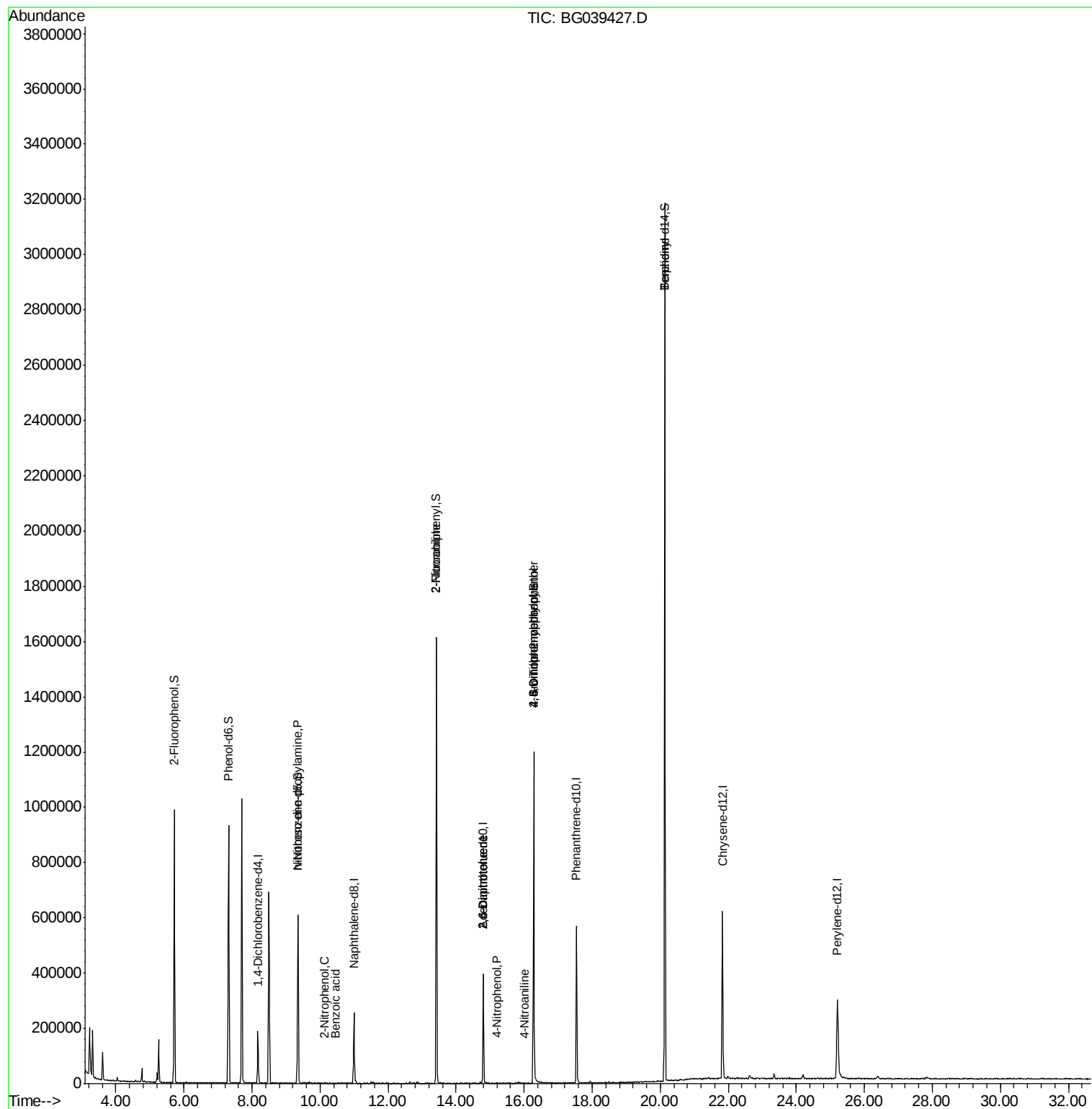
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1029	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	49608	15.998	ng	# 67
26) 2-Nitrophenol	10.12	139	63	4.055	ng	# 31
32) Benzoic acid	10.45	122	59	9.044	ng	# 1
48) 2-Nitroaniline	13.42	65	1596	8.828	ng	# 8
51) 2,6-Dinitrotoluene	14.79	165	18305	14.147	ng	# 23
56) 4-Nitrophenol	15.20	139	649	6.093	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18305	13.568	ng	# 18
62) 4-Nitroaniline	16.01	138	67	4.229	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	703	4.840	ng	# 14
67) 4-Bromophenyl-phenylether	16.28	248	16427	4.370	ng	# 1
77) Benzidine	20.13	184	25711	2.070	ng	# 90

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

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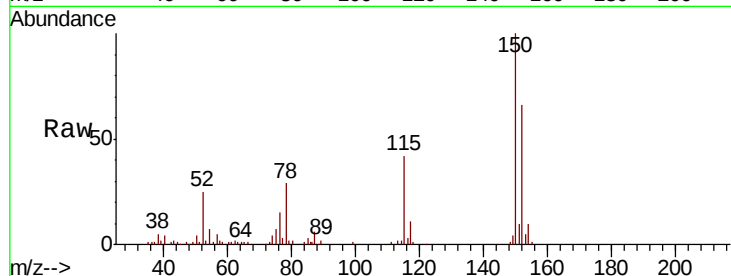


#1

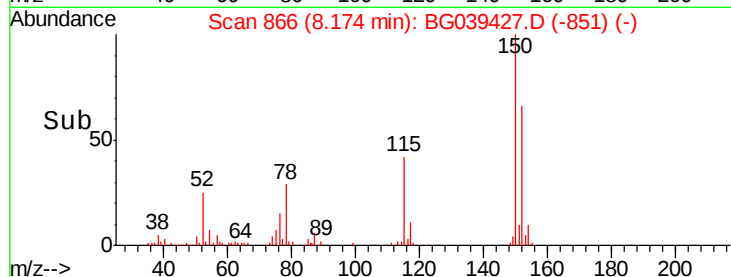
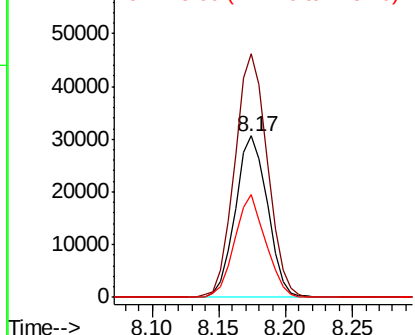
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039427.D
Acq: 8 Feb 2019 22:31

Instrument :
BNA_G
ClientSampleId :
OK-01-020719

Tgt Ion:152 Resp: 50800
Ion Ratio Lower Upper
152 100
150 150.9 123.7 185.5
115 63.4 45.9 68.9



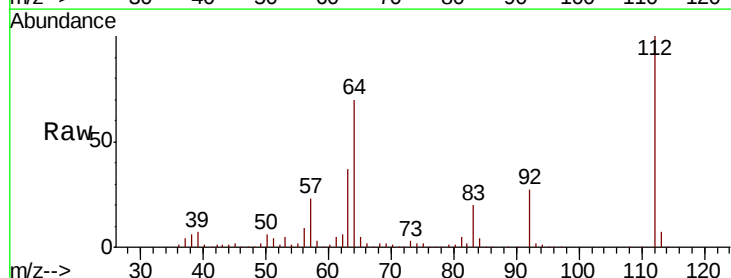
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



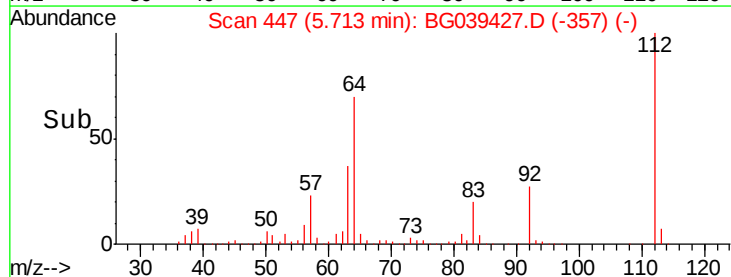
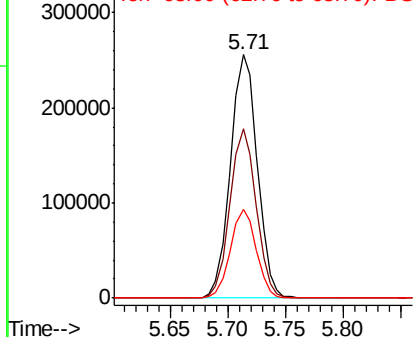
#5

2-Fluorophenol
Concen: 138.798 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039427.D
Acq: 8 Feb 2019 22:31

Tgt Ion:112 Resp: 411971
Ion Ratio Lower Upper
112 100
64 69.5 57.8 86.8
63 36.6 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.077 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

Instrument :

BNA_G

ClientSampleId :

OK-01-020719

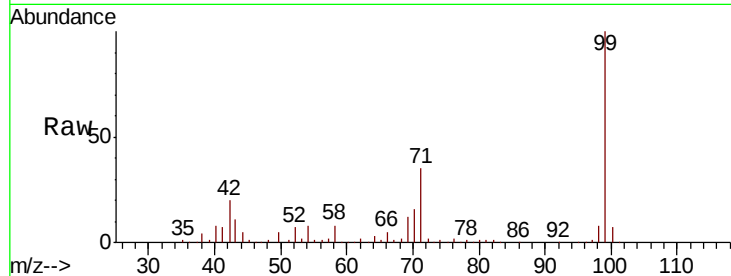
Tgt Ion: 99 Resp: 533359

Ion Ratio Lower Upper

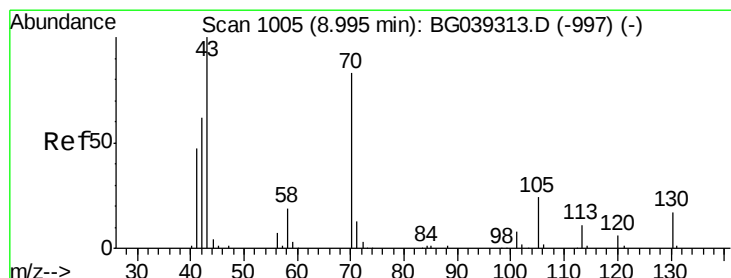
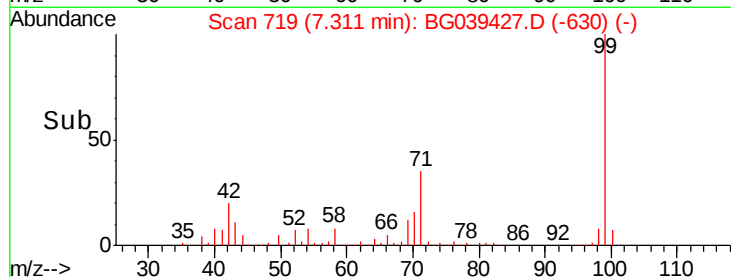
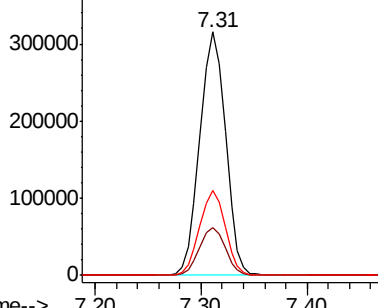
99 100

42 19.7 18.2 27.2

71 35.0 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: 15.998 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.35 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

Tgt Ion: 70 Resp: 49608

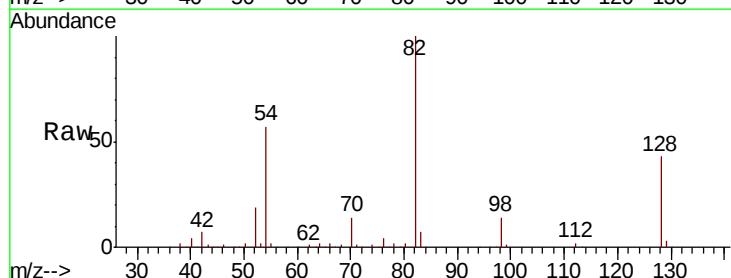
Ion Ratio Lower Upper

70 100

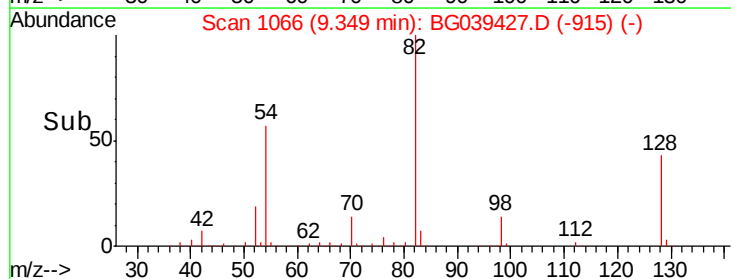
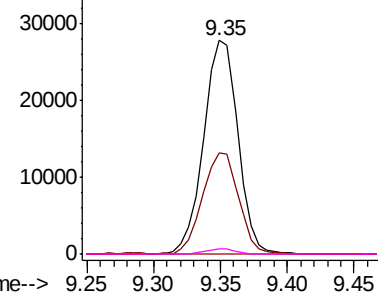
42 47.5 60.4 90.6#

101 0.0 7.5 11.3#

130 2.5 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

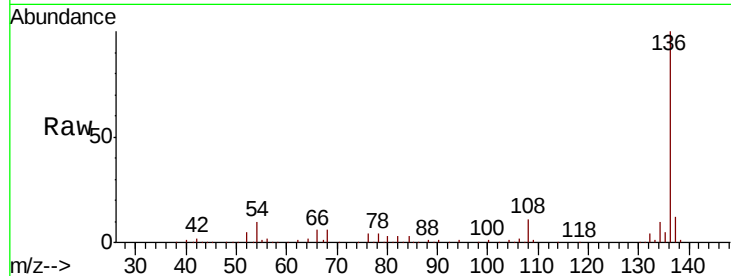




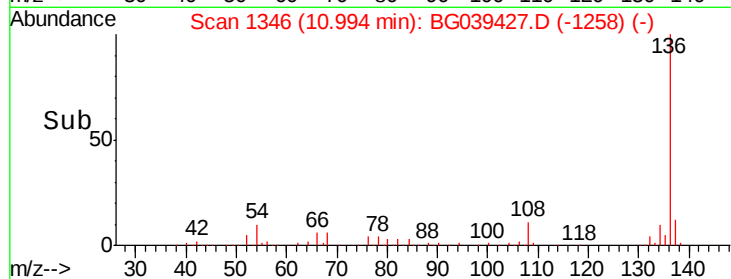
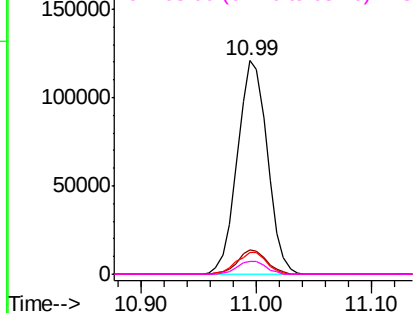
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039427.D
Acq: 8 Feb 2019 22:31

Instrument :
BNA_G
ClientSampleId :
OK-01-020719

Tgt Ion:	136	Resp:	217728
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	10.4	9.4	14.2
68	5.7	4.2	6.4

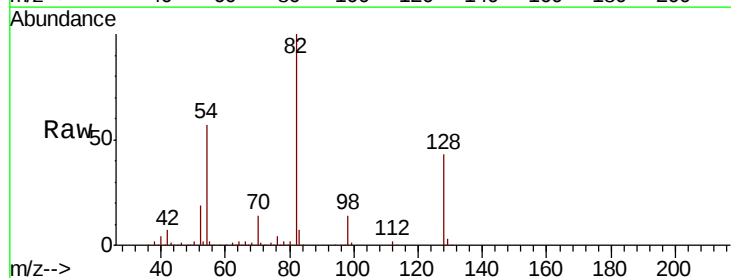


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

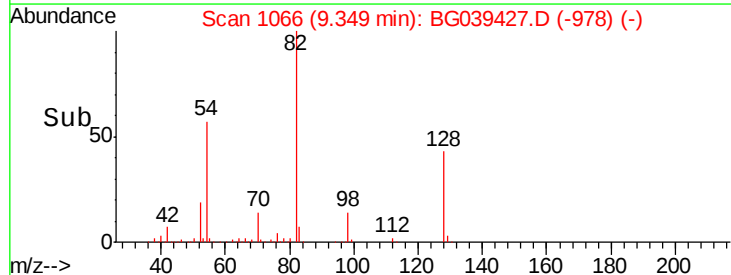
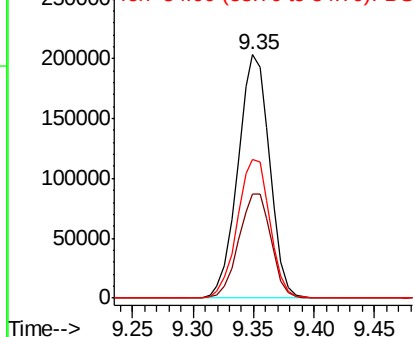


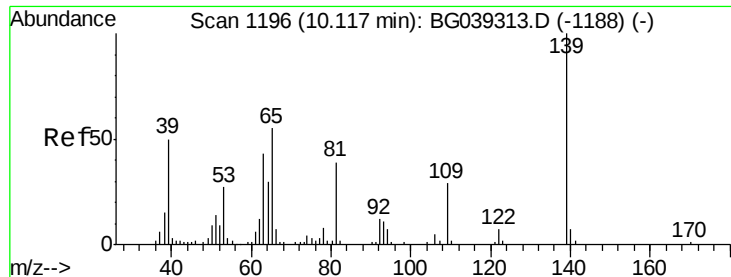
#23
Nitrobenzene-d5
Concen: 106.718 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039427.D
Acq: 8 Feb 2019 22:31

Tgt Ion:	82	Resp:	371937
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	57.1	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

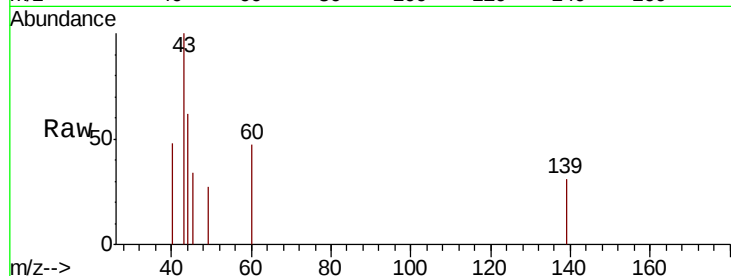




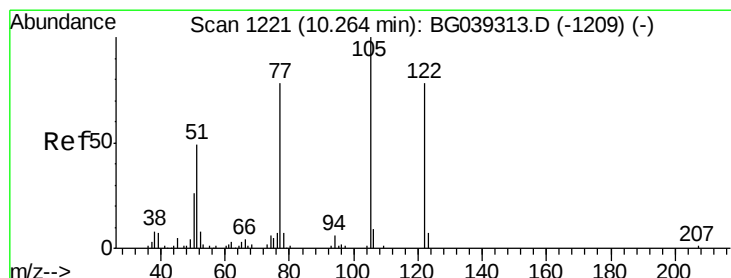
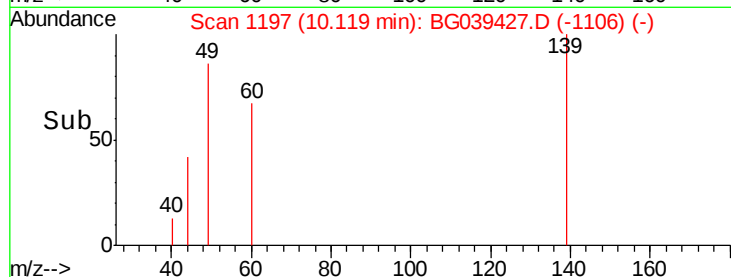
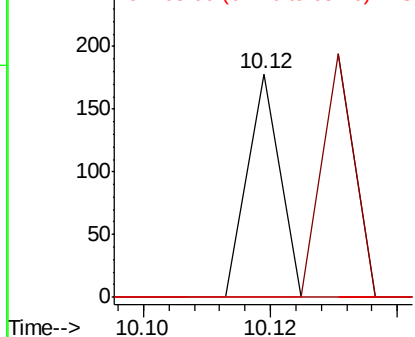
#26
2-Nitrophenol
Concen: 4.055 ng
RT: 10.12 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BG039427.D
Acq: 8 Feb 2019 22:31

Instrument :
BNA_G
ClientSampleId :
OK-01-020719

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#

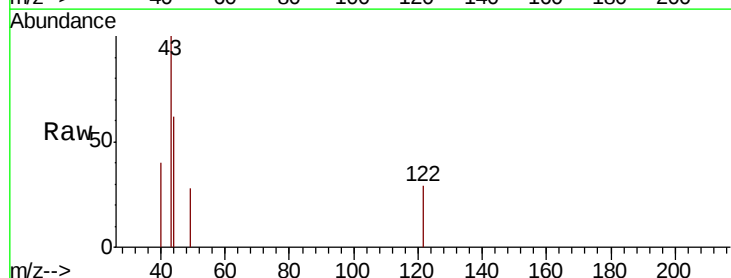


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

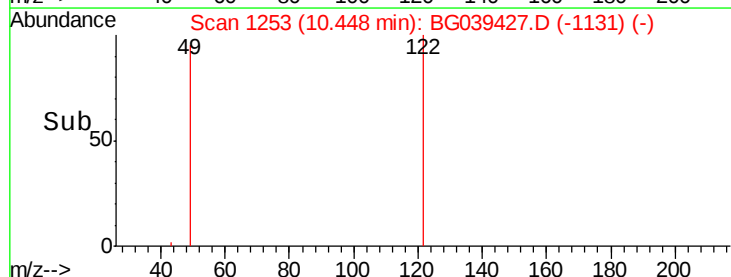
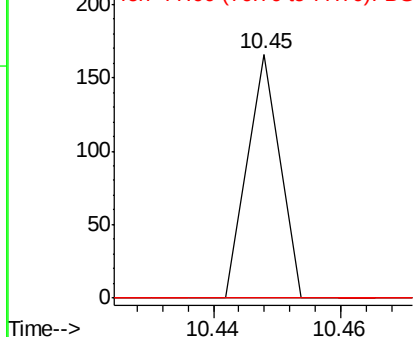


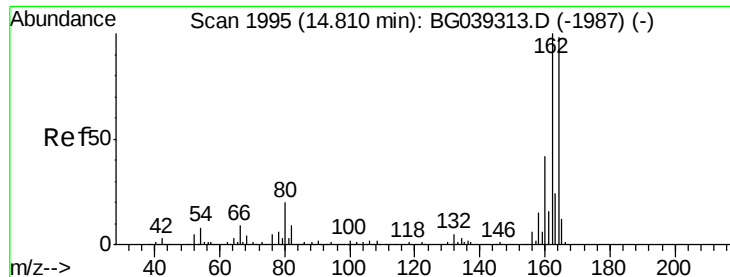
#32
Benzoic acid
Concen: 9.044 ng
RT: 10.45 min Scan# 1253
Delta R.T. 0.18 min
Lab File: BG039427.D
Acq: 8 Feb 2019 22:31

Tgt 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: 14.79 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

Instrument :

BNA_G

ClientSampleId :

OK-01-020719

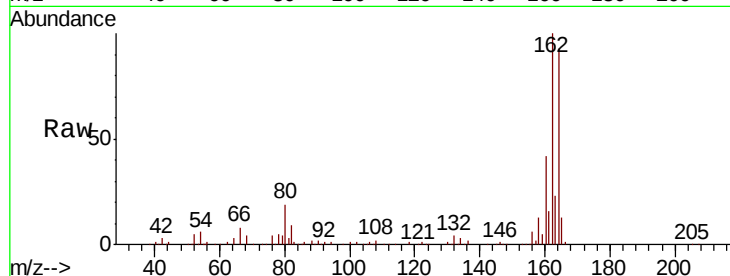
Tgt Ion:164 Resp: 137984

Ion Ratio Lower Upper

164 100

162 108.0 81.6 122.4

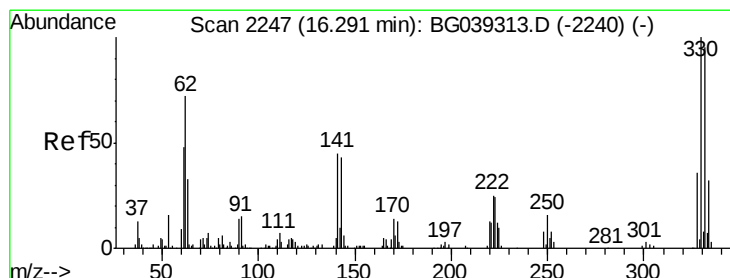
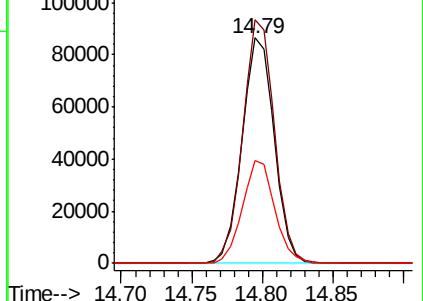
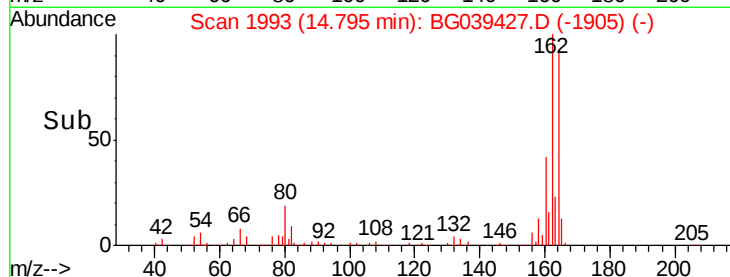
160 45.7 34.2 51.2



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: 147.242 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

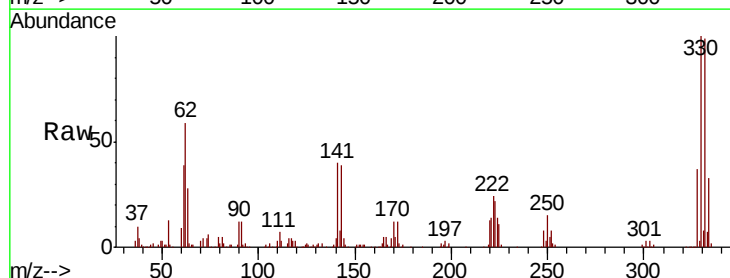
Tgt Ion:330 Resp: 218779

Ion Ratio Lower Upper

330 100

332 96.2 75.7 113.5

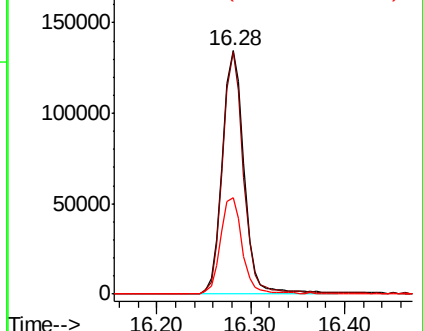
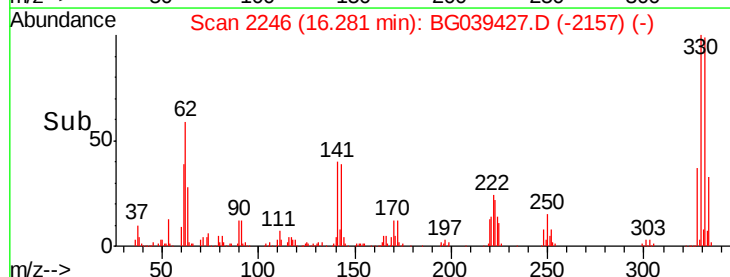
141 39.5 35.6 53.4

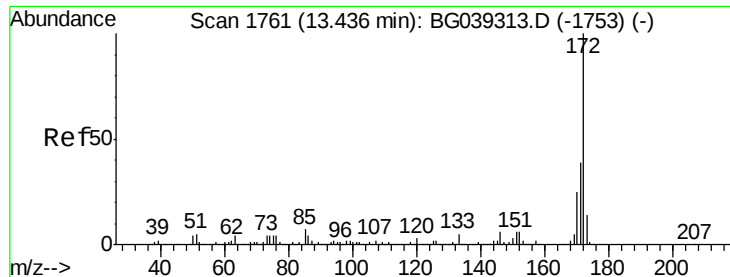


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

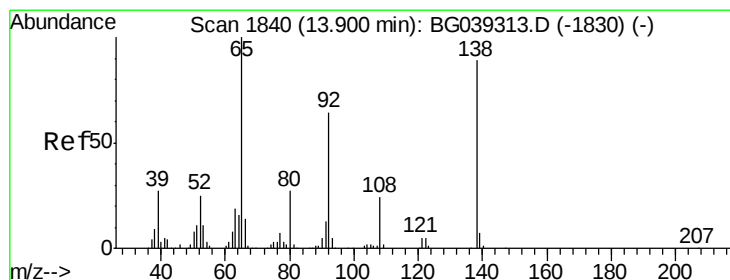
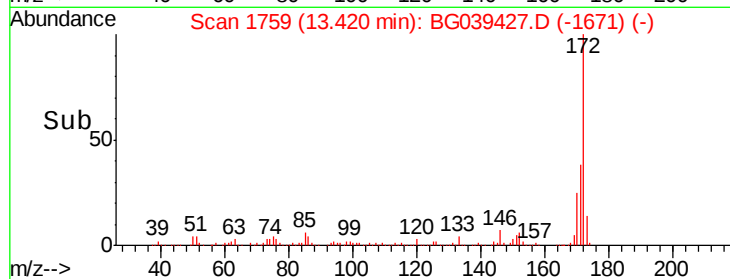
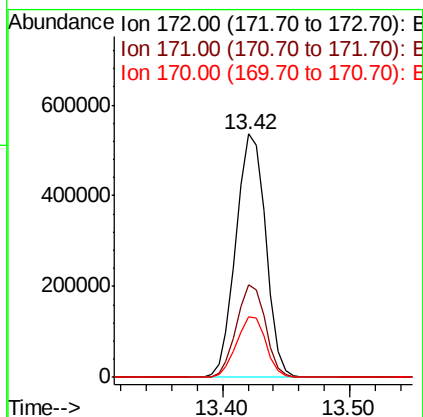
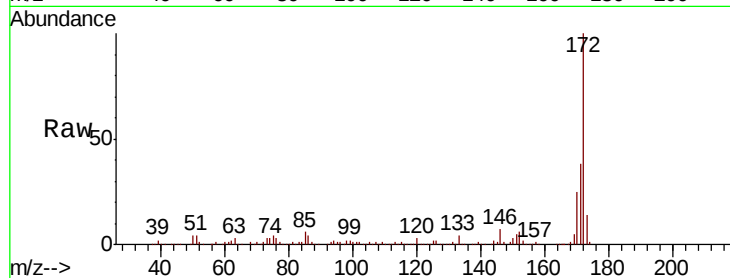




#45
2-Fluorobiphenyl
Concen: 90.680 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.02 min
Lab File: BG039427.D
Acq: 8 Feb 2019 22:31

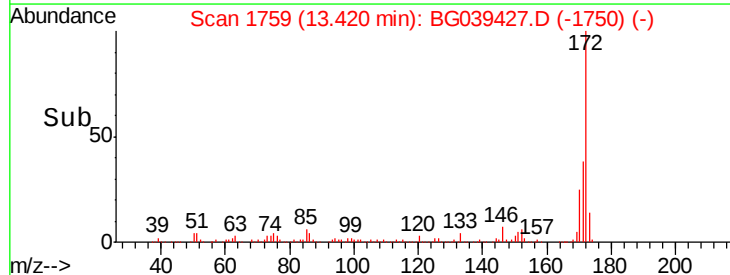
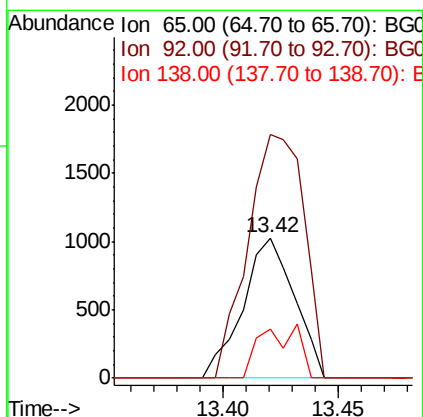
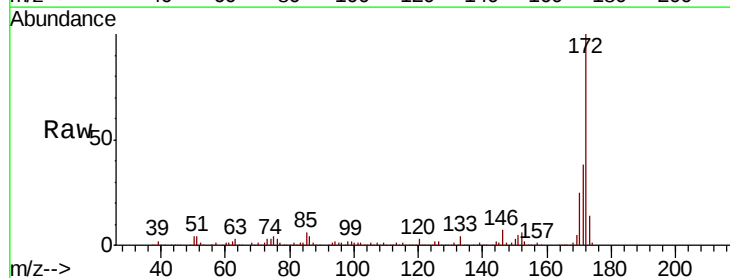
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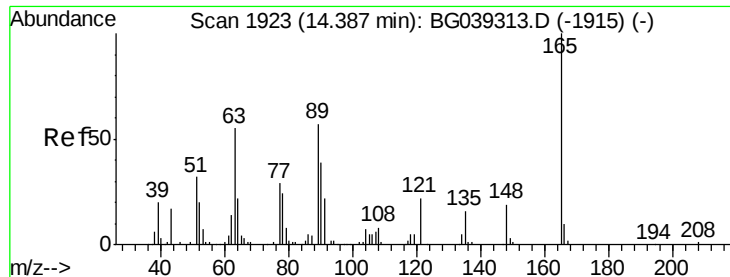
Tgt Ion: 172 Resp: 872215
Ion Ratio Lower Upper
172 100
171 38.1 30.8 46.2
170 25.0 20.2 30.4



#48
2-Nitroaniline
Concen: 8.828 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.48 min
Lab File: BG039427.D
Acq: 8 Feb 2019 22:31

Tgt Ion: 65 Resp: 1596
Ion Ratio Lower Upper
65 100
92 173.3 51.4 77.2#
138 35.2 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 14.147 ng

RT: 14.79 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

Instrument :

BNA_G

ClientSampleId :

OK-01-020719

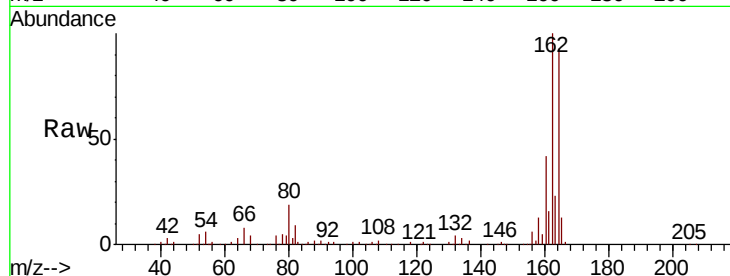
Tgt Ion:165 Resp: 18305

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

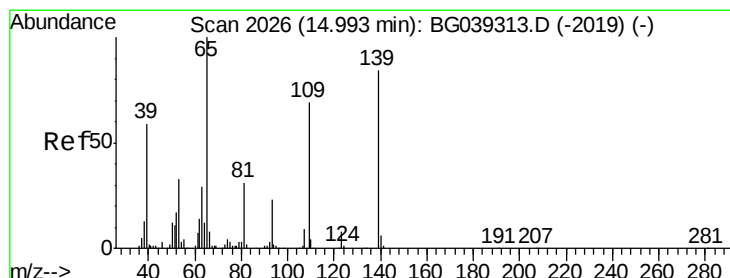
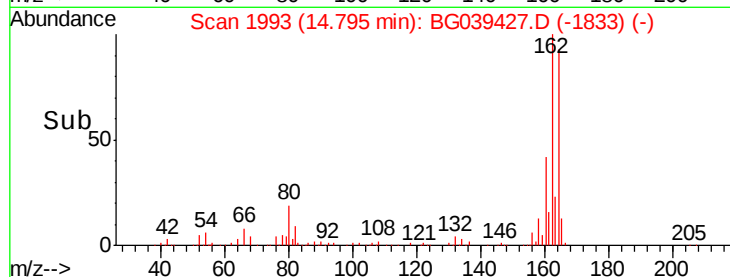
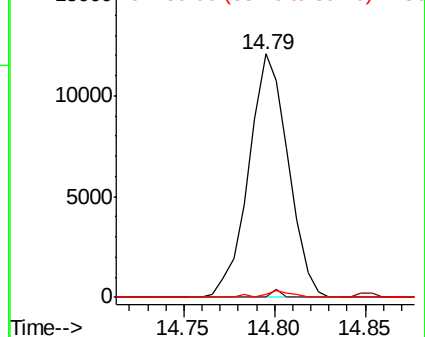
89 1.3 45.8 68.8#



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



#56

4-Nitrophenol

Concen: 6.093 ng

RT: 15.20 min Scan# 2062

Delta R.T. 0.21 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

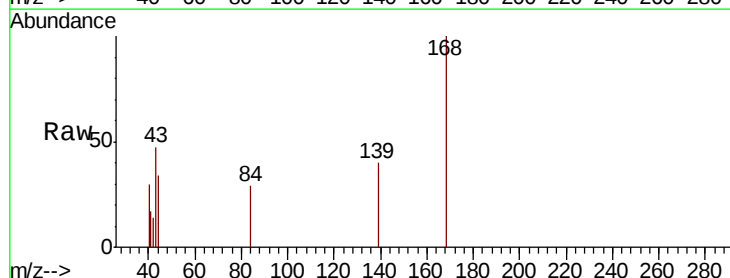
Tgt Ion:139 Resp: 649

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

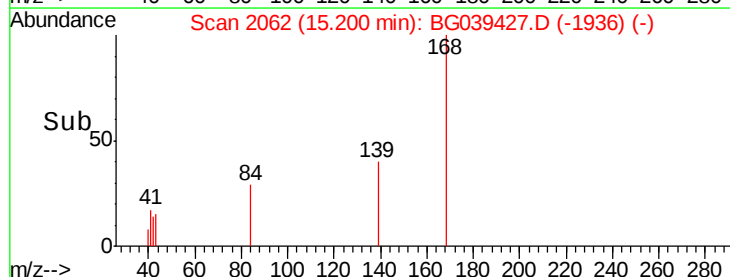
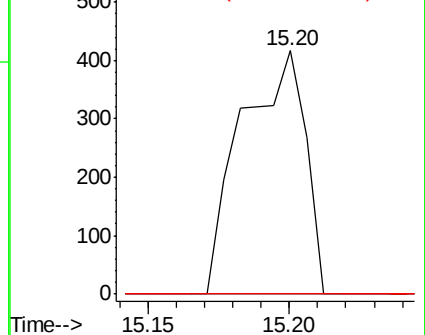
65 0.0 99.1 139.1#

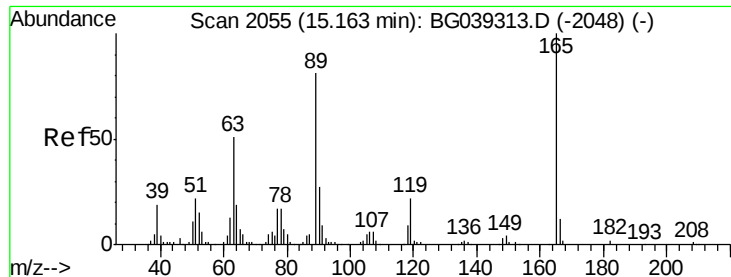


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

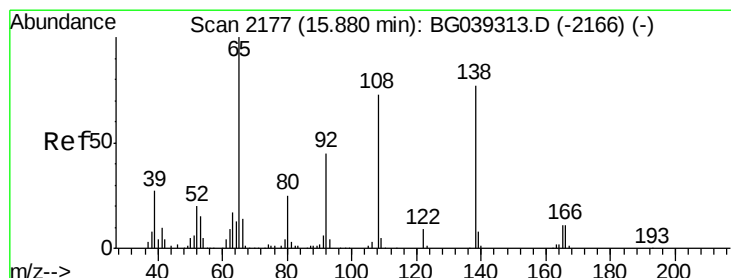
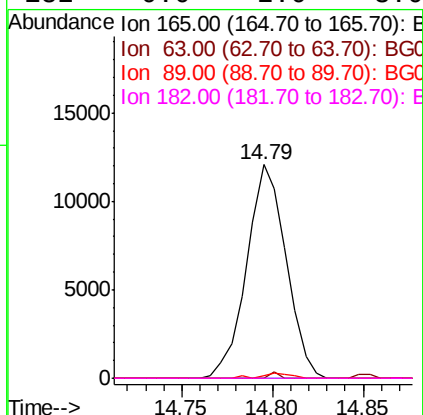
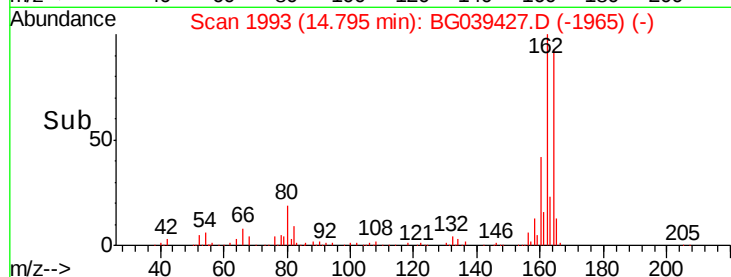
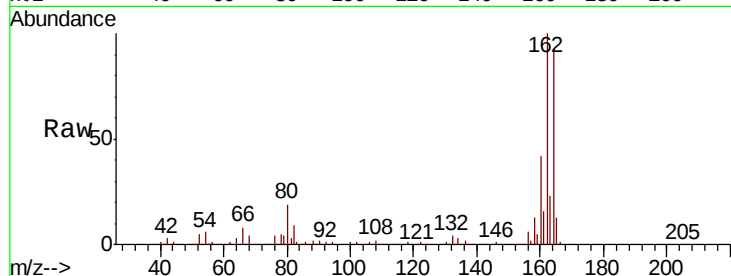




#57
 2,4-Dinitrotoluene
 Concen: 13.568 ng
 RT: 14.79 min Scan# 1993
 Delta R.T. -0.37 min
 Lab File: BG039427.D
 Acq: 8 Feb 2019 22:31

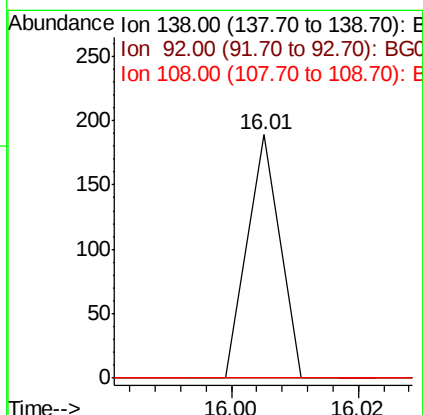
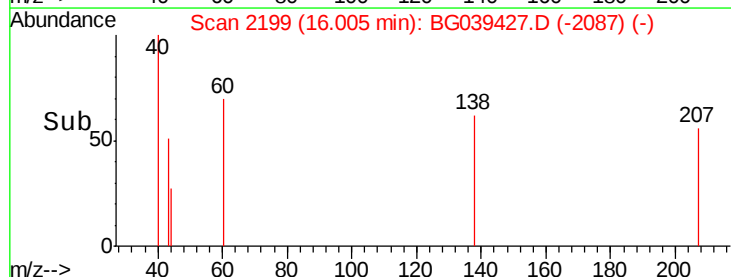
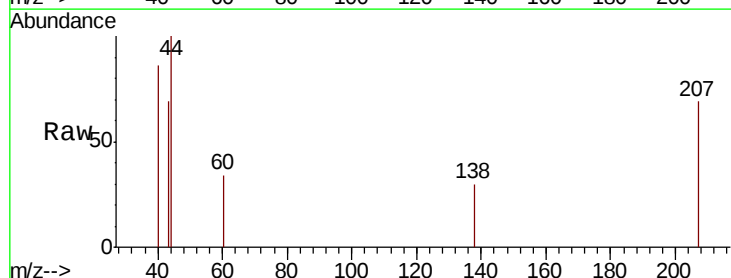
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-020719

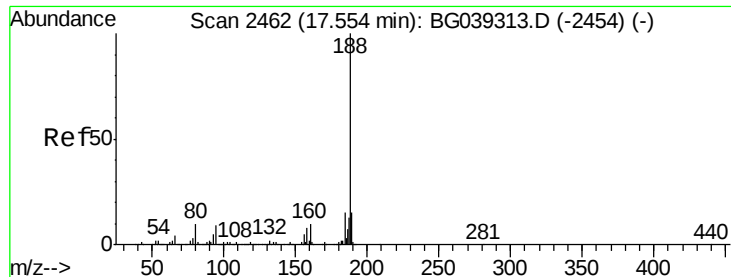
Tgt Ion:	165	Resp:	18305
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.3	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.229 ng
 RT: 16.01 min Scan# 2199
 Delta R.T. 0.13 min
 Lab File: BG039427.D
 Acq: 8 Feb 2019 22:31

Tgt Ion:	138	Resp:	67
Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

Instrument :

BNA_G

ClientSampleId :

OK-01-020719

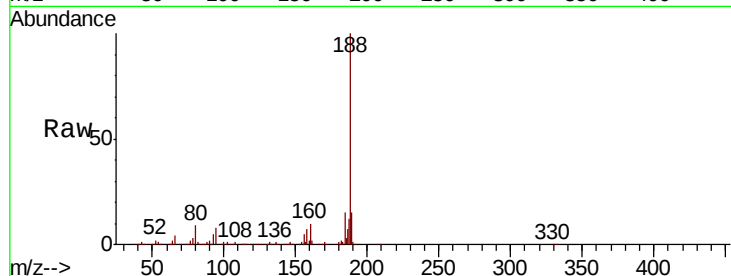
Tgt Ion:188 Resp: 338817

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

80 9.4 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

300000

250000

200000

150000

100000

50000

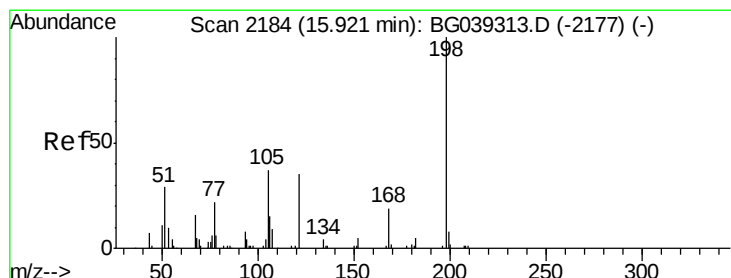
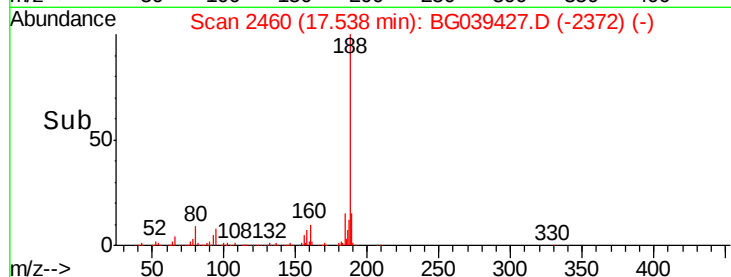
0

17.50

17.54

17.60

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.840 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

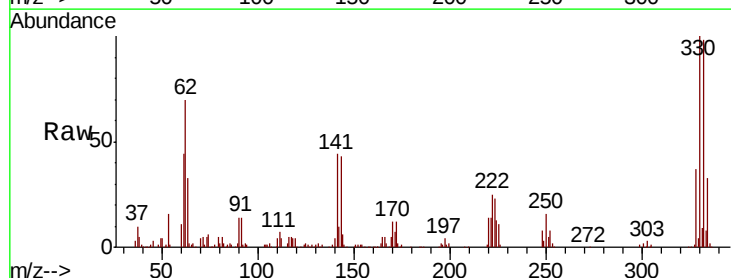
Tgt Ion:198 Resp: 703

Ion Ratio Lower Upper

198 100

51 78.9 27.4 67.4#

105 122.1 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

1000

800

600

400

200

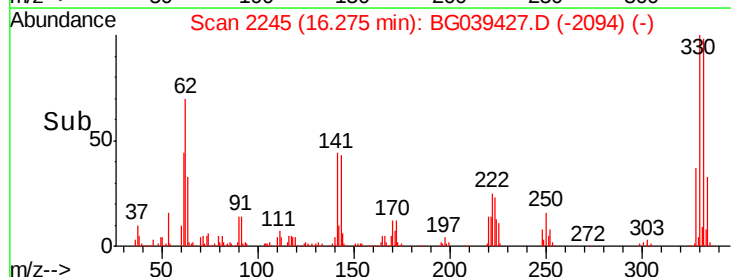
0

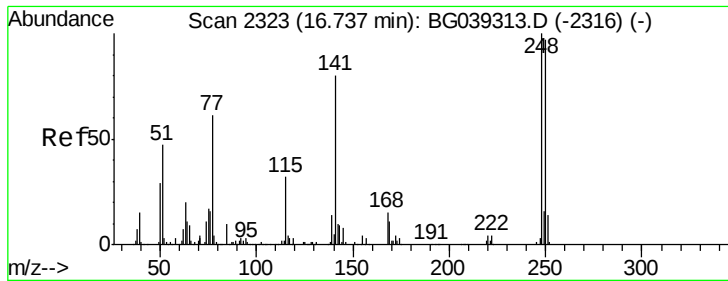
16.25

16.28

16.30

Time-->

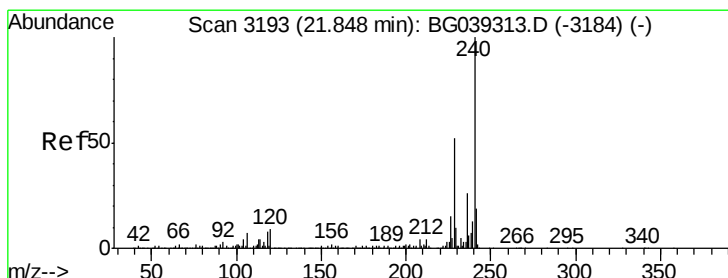
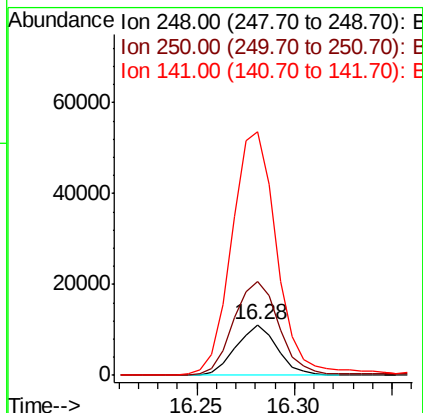
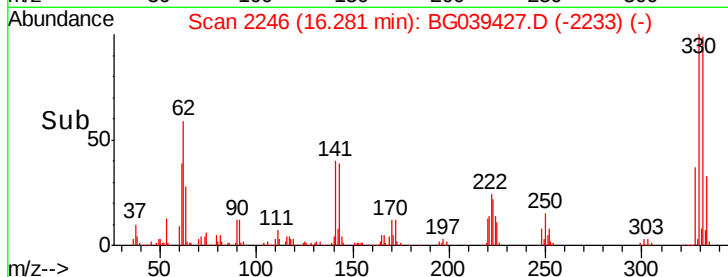
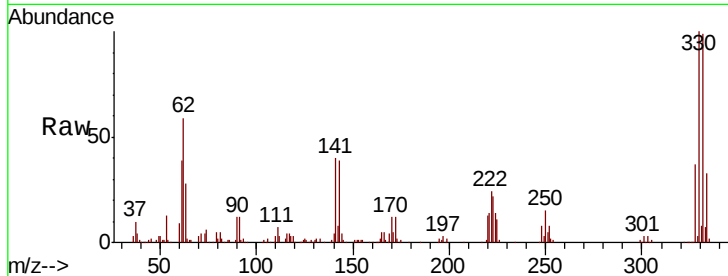




#67
 4-Bromophenyl-phenylether
 Concen: 4.370 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039427.D
 Acq: 8 Feb 2019 22:31

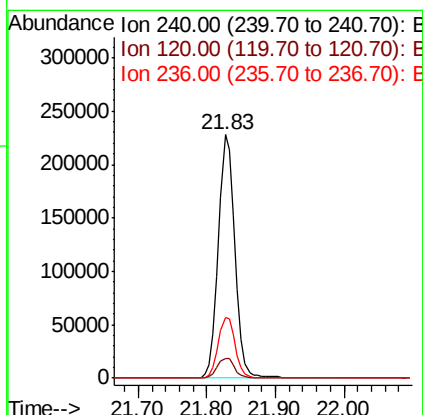
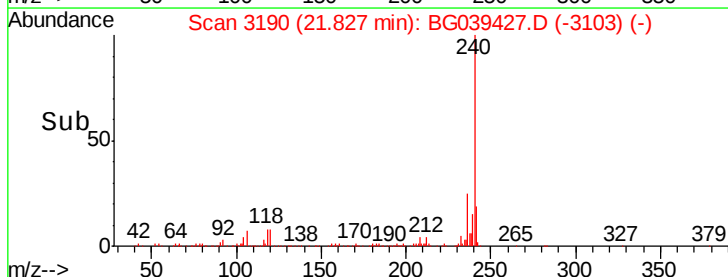
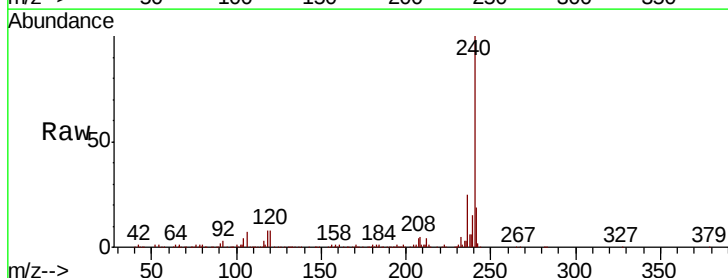
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-020719

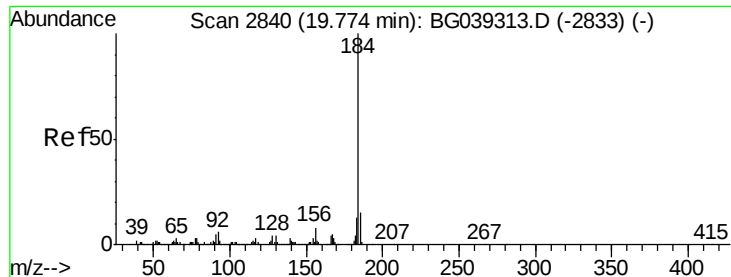
Tgt Ion:248 Resp: 16427
 Ion Ratio Lower Upper
 248 100
 250 184.0 77.6 116.4#
 141 478.4 63.9 95.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039427.D
 Acq: 8 Feb 2019 22:31

Tgt Ion:240 Resp: 378839
 Ion Ratio Lower Upper
 240 100
 120 8.3 7.0 10.6
 236 24.8 21.0 31.4





#77

Benzidine

Concen: 2.070 ng

RT: 20.13 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

Instrument :

BNA_G

ClientSampleId :

OK-01-020719

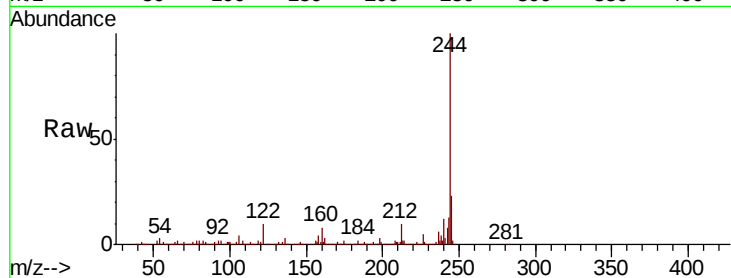
Tgt Ion:184 Resp: 25711

Ion Ratio Lower Upper

184 100

185 18.6 12.2 18.2#

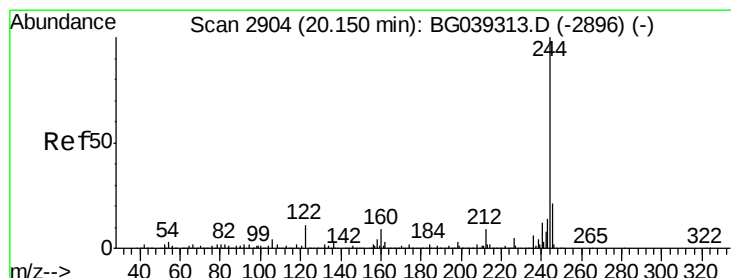
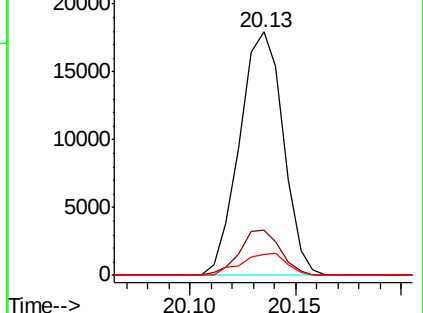
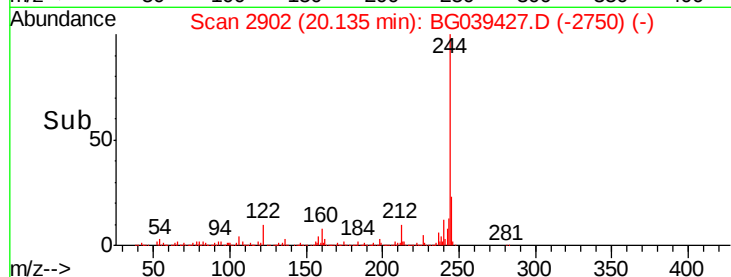
183 8.4 10.6 15.8#



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: 83.673 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039427.D

Acq: 8 Feb 2019 22:31

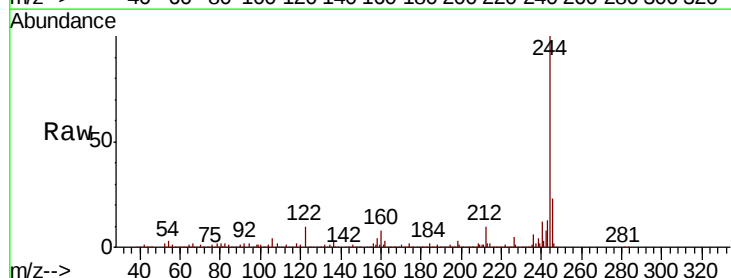
Tgt Ion:244 Resp: 1497550

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

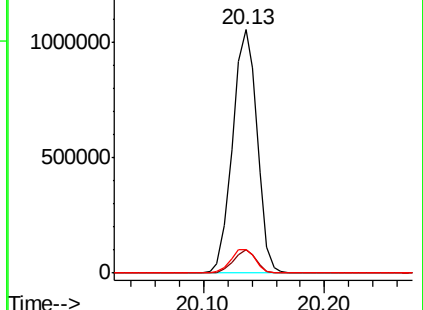
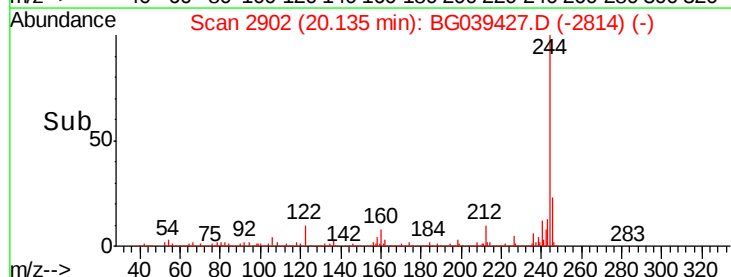
122 9.9 8.4 12.6

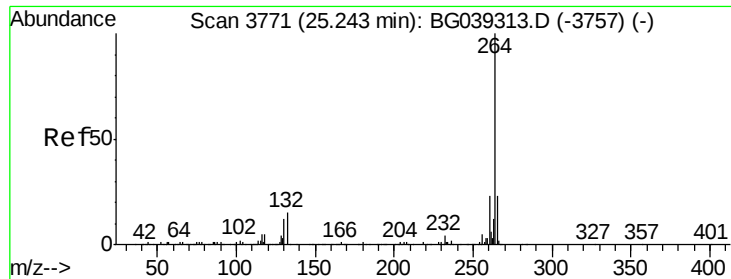


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

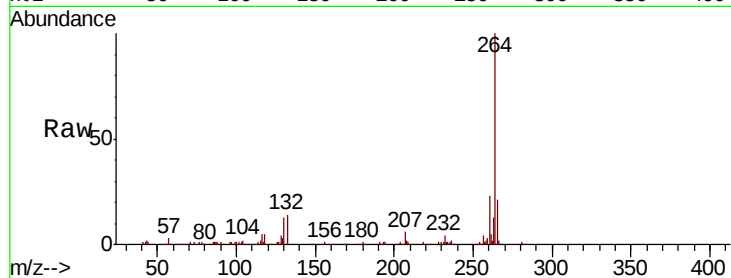




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039427.D
Acq: 8 Feb 2019 22:31

Instrument :
BNA_G
ClientSampleId :
OK-01-020719

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	21.0	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

