

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039495.D
 Acq On : 13 Feb 2019 19:17
 Operator : JU/SJ
 Sample : K1343-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-C

Quant Time: Feb 14 02:48:41 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	44223	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	193603	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	142990	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	362122	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	379213	20.00	ng	-0.02
87) Perylene-d12	25.22	264	373684	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	373715	144.63	ng	0.00
7) Phenol-d6	7.31	99	483138	127.03	ng	-0.01
23) Nitrobenzene-d5	9.35	82	378292	122.07	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	238142	154.66	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	940521	94.36	ng	-0.02
79) Terphenyl-d14	20.13	244	1606882	89.69	ng	-0.02

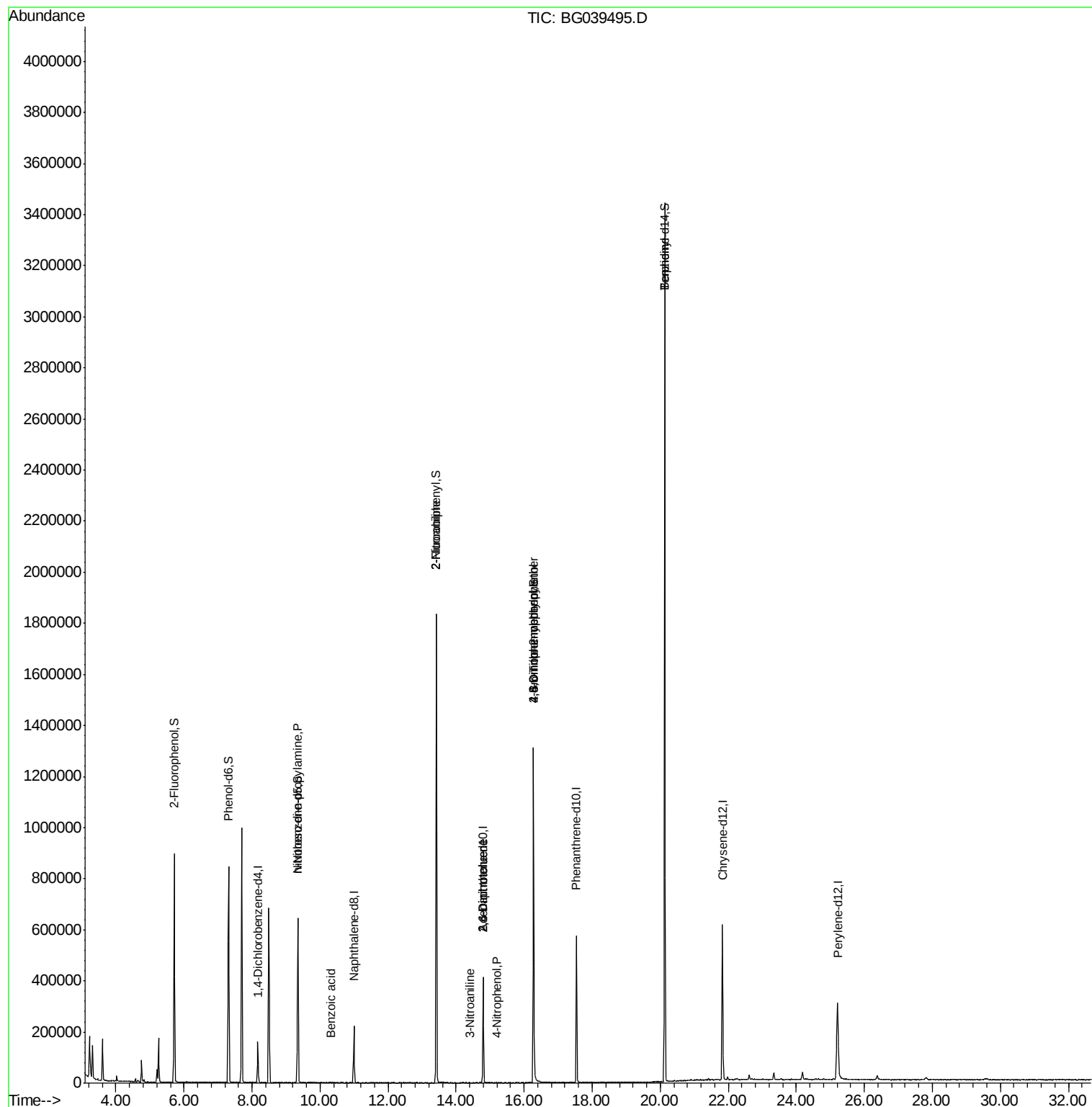
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	839	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	49420	18.307	ng	# 66
32) Benzoic acid	10.32	122	86	9.059	ng	# 1
48) 2-Nitroaniline	13.42	65	1473	8.770	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	18786	14.074	ng	# 23
53) 3-Nitroaniline	14.40	138	58	5.815	ng	# 1
56) 4-Nitrophenol	15.19	139	96	5.836	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18786	13.512	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.27	198	988	5.050	ng	# 9
67) 4-Bromophenyl-phenylether	16.28	248	18516	4.609	ng	# 1
77) Benzidine	20.13	184	30873	2.483	ng	# 92

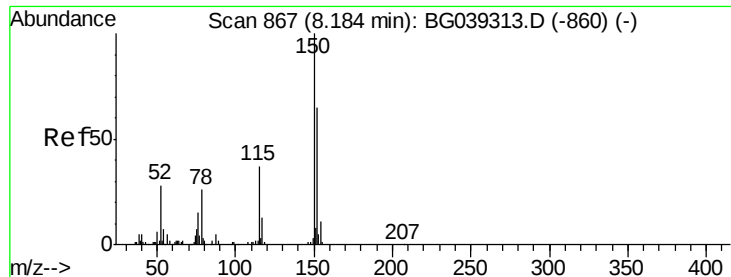
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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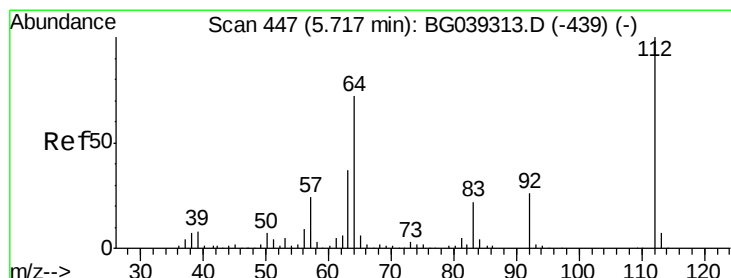
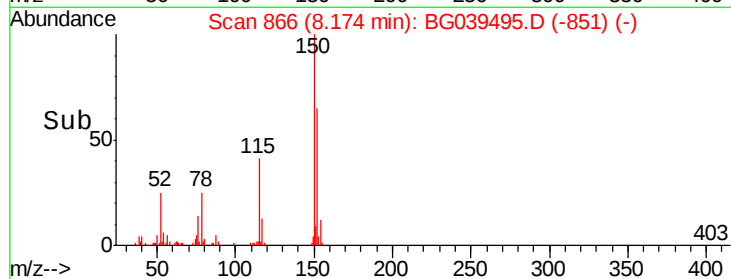
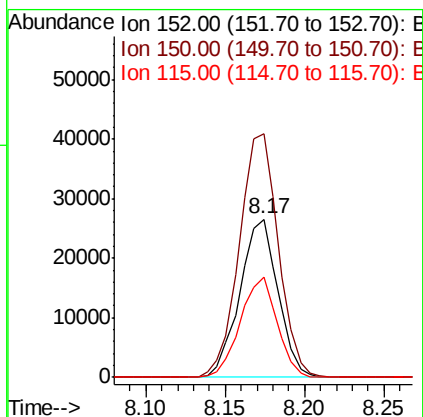
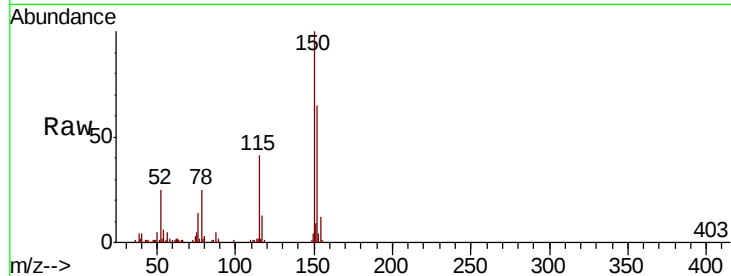


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-C

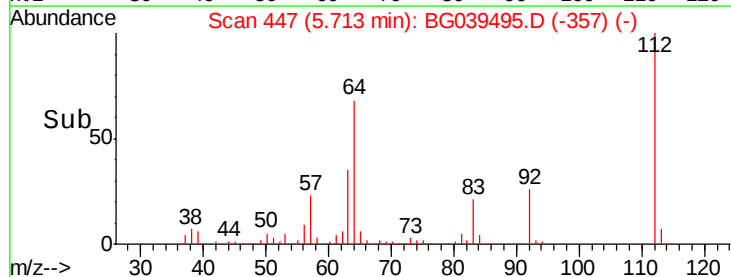
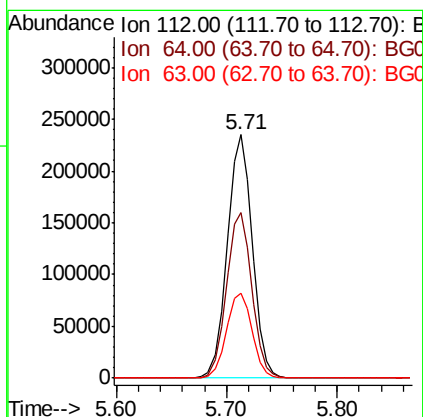
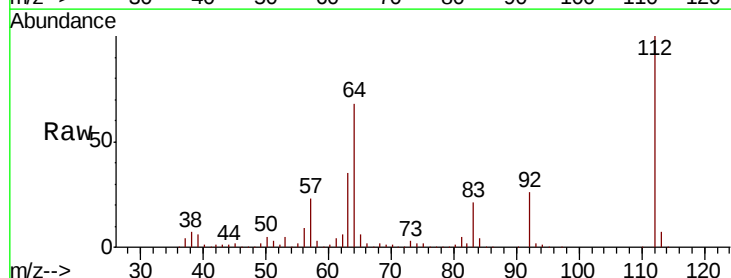
Tgt Ion:152 Resp: 44223
Ion Ratio Lower Upper
152 100
150 153.7 123.7 185.5
115 63.3 45.9 68.9



#5

2-Fluorophenol
Concen: 144.634 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

Tgt Ion:112 Resp: 373715
Ion Ratio Lower Upper
112 100
64 68.2 57.8 86.8
63 35.1 29.8 44.6





#7

Phenol-d6

Concen: 127.029 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-C

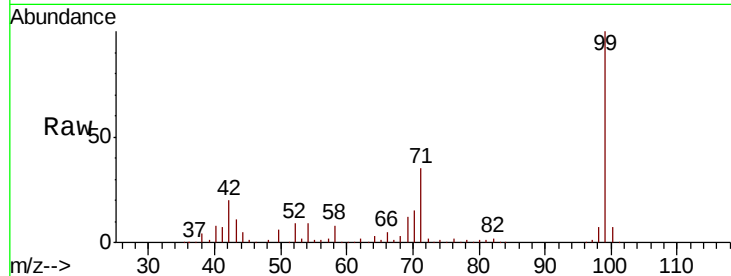
Tgt Ion: 99 Resp: 483138

Ion Ratio Lower Upper

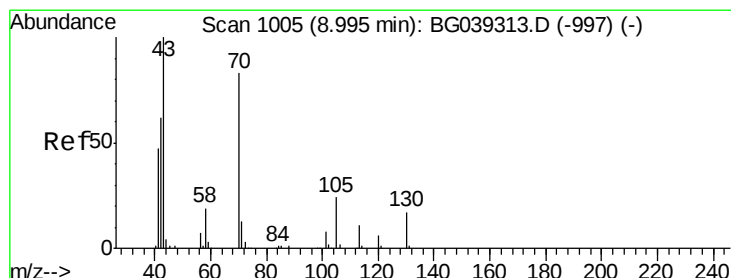
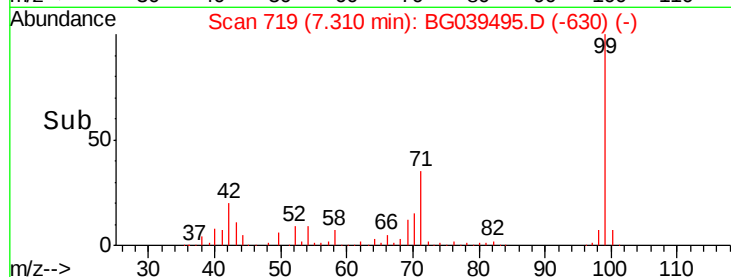
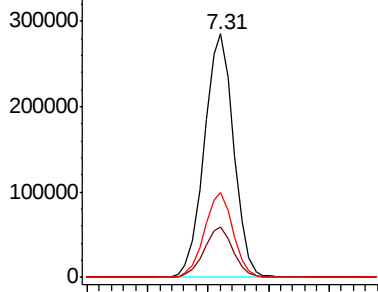
99 100

42 20.5 18.2 27.2

71 34.7 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: 18.307 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.35 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

Tgt Ion: 70 Resp: 49420

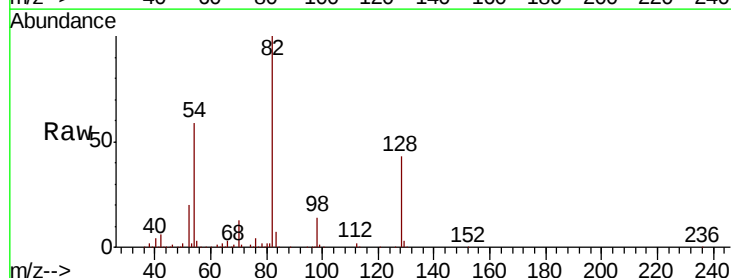
Ion Ratio Lower Upper

70 100

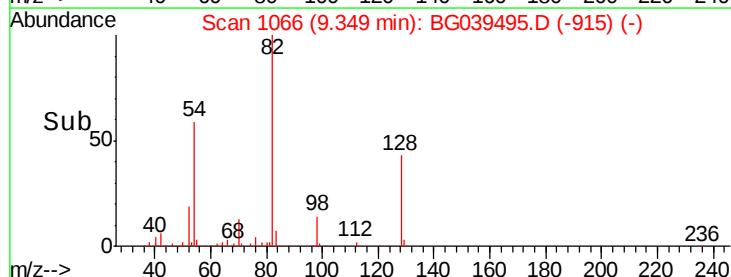
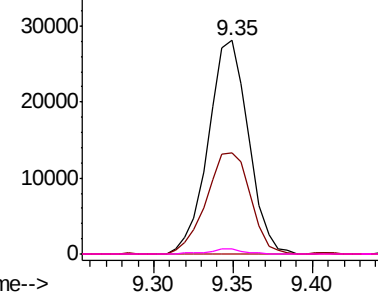
42 47.2 60.4 90.6#

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

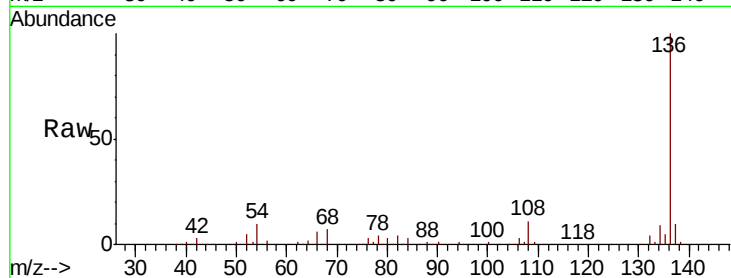




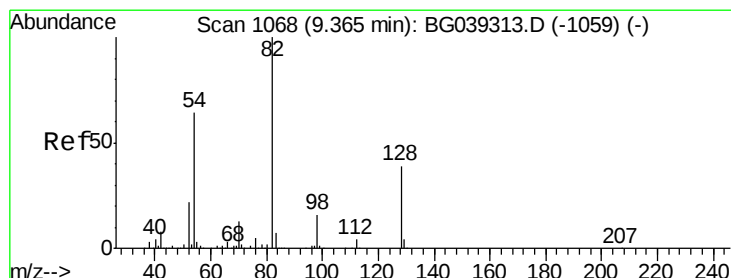
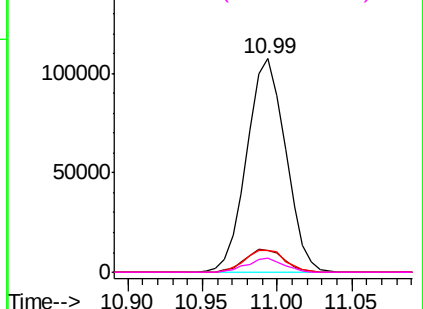
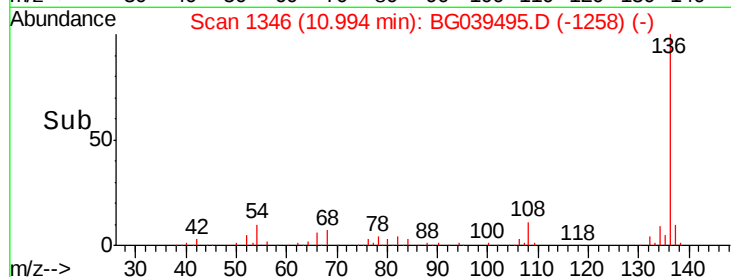
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-C

Tgt Ion:	136	Resp:	193603
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	10.4	9.4	14.2
68	6.8	4.2	6.4#

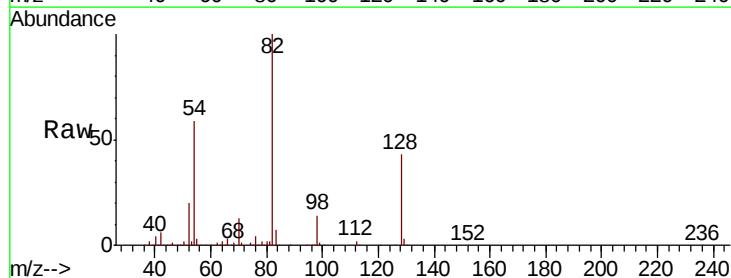


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

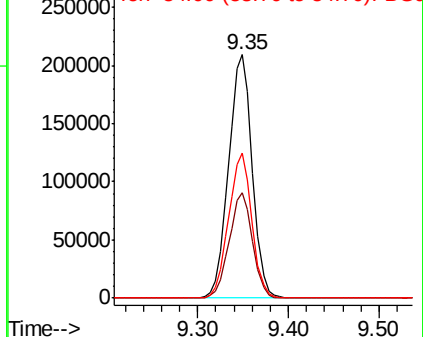
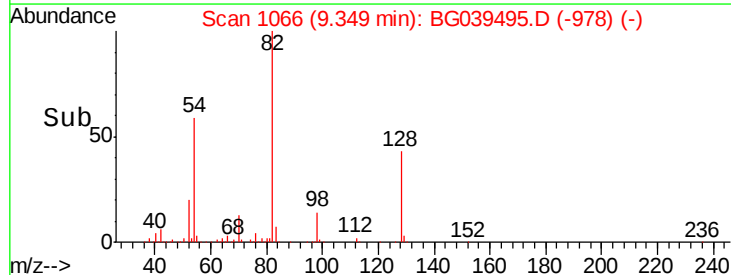


#23
Nitrobenzene-d5
Concen: 122.067 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.02 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

Tgt Ion:	82	Resp:	378292
Ion	Ratio	Lower	Upper
82	100		
128	43.5	31.3	46.9
54	59.5	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: 9.059 ng

RT: 10.32 min Scan# 1231

Delta R.T. 0.06 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-C

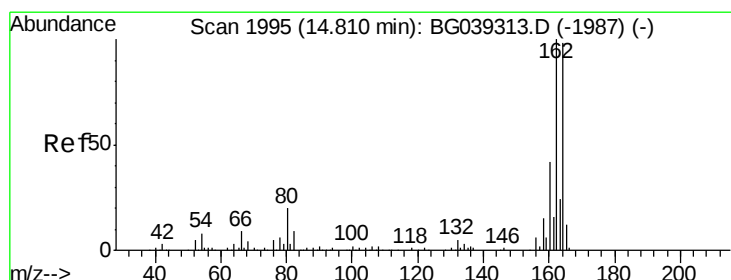
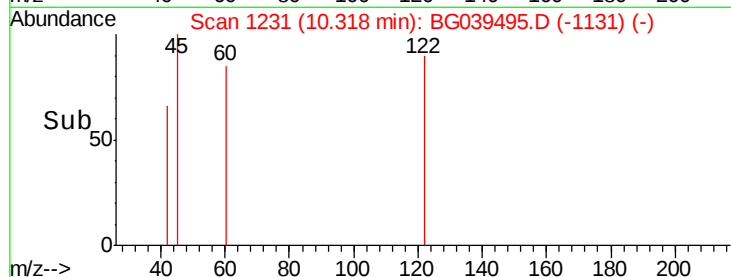
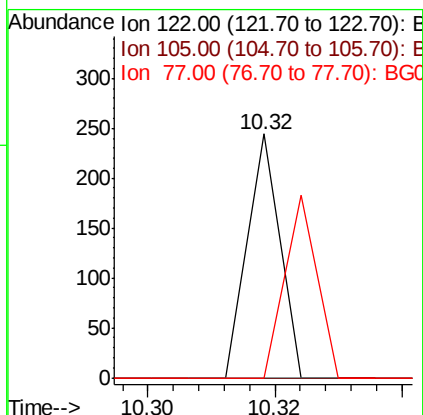
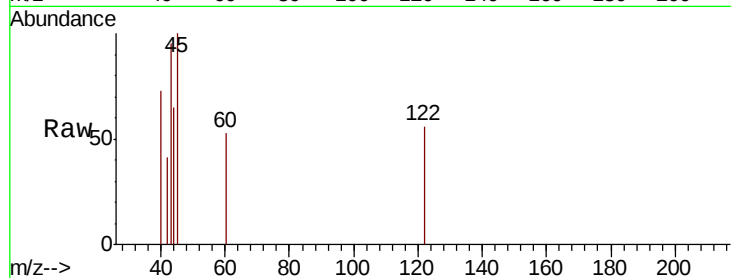
Tgt Ion:122 Resp: 86

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

77 0.0 76.3 116.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

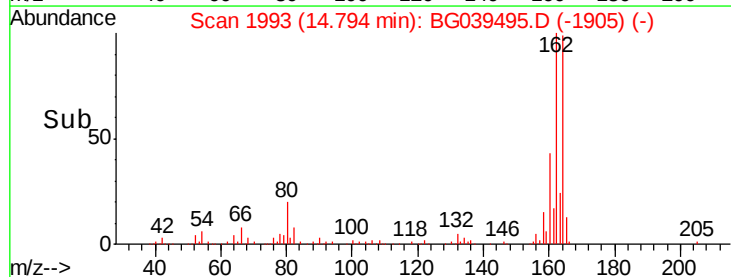
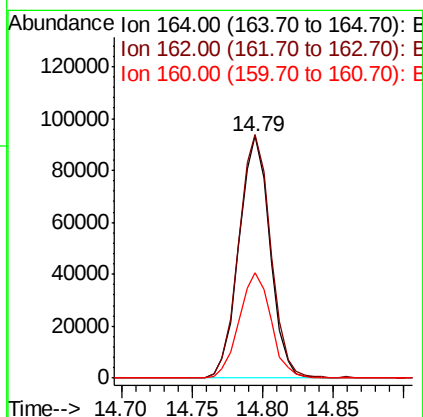
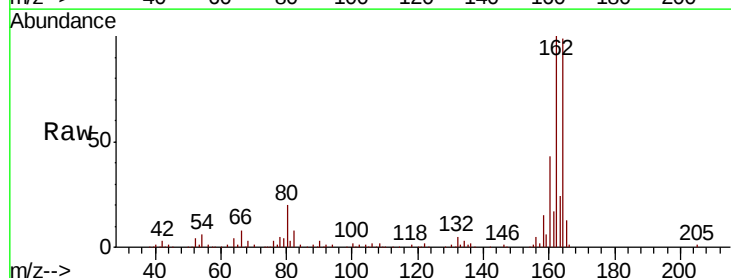
Tgt Ion:164 Resp: 142990

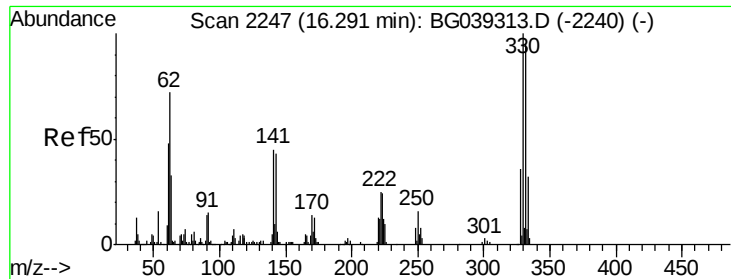
Ion Ratio Lower Upper

164 100

162 100.7 81.6 122.4

160 43.6 34.2 51.2

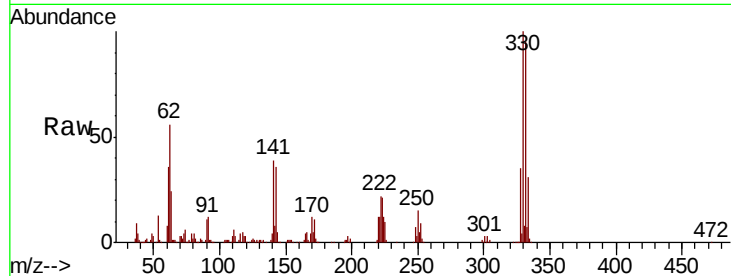




#42
 2,4,6-Tribromophenol
 Concen: 154.662 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039495.D
 Acq: 13 Feb 2019 19:17

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-021119-C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.7	113.5
141	41.0	35.6	53.4

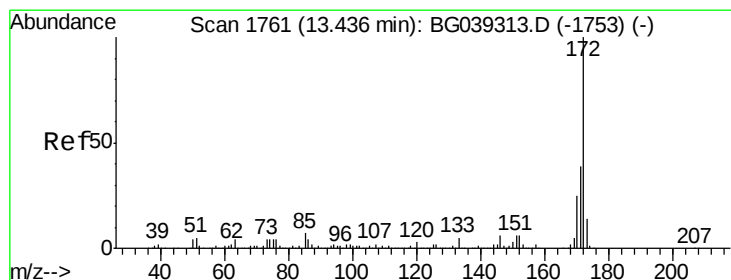
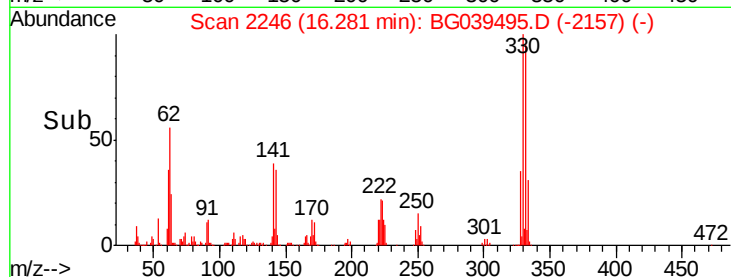
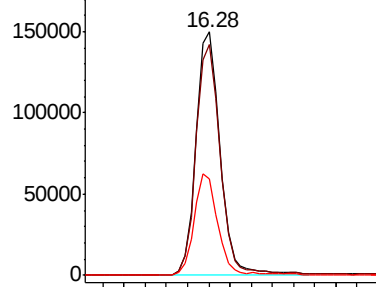


Abundance

Ion 329.80 (329.50 to 330.50): E

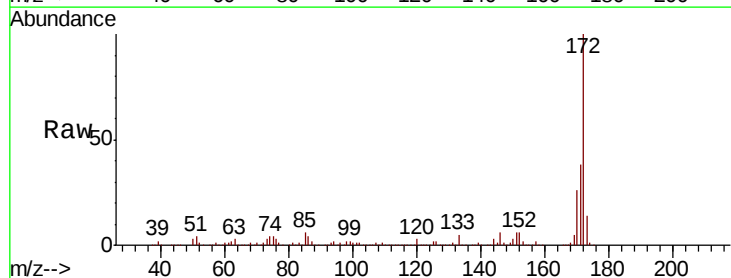
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.358 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039495.D
 Acq: 13 Feb 2019 19:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.8	46.2
170	25.7	20.2	30.4

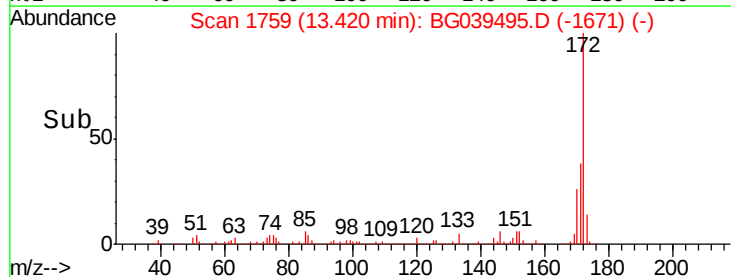
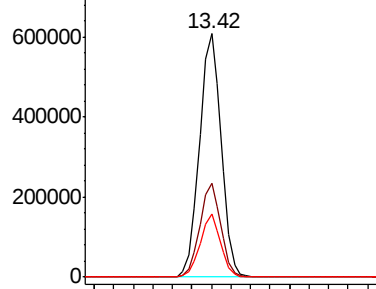


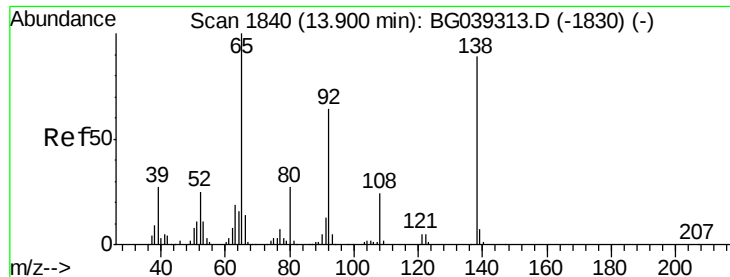
Abundance

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: 8.770 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.48 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-C

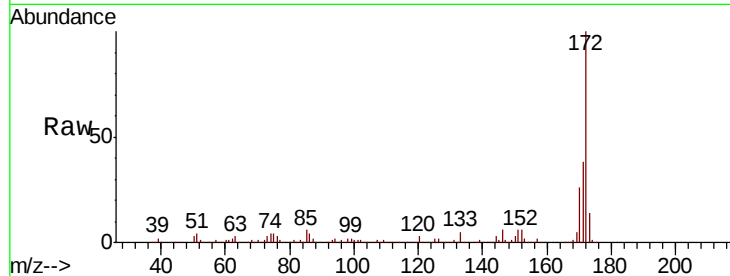
Tgt Ion: 65 Resp: 1473

Ion Ratio Lower Upper

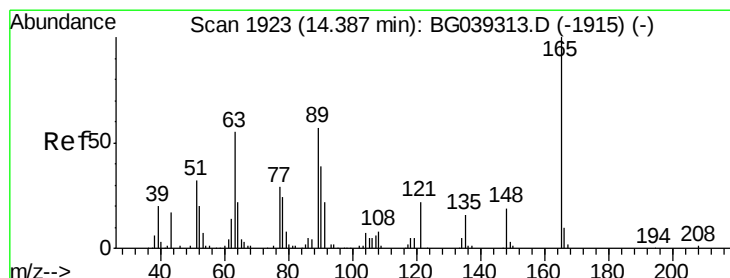
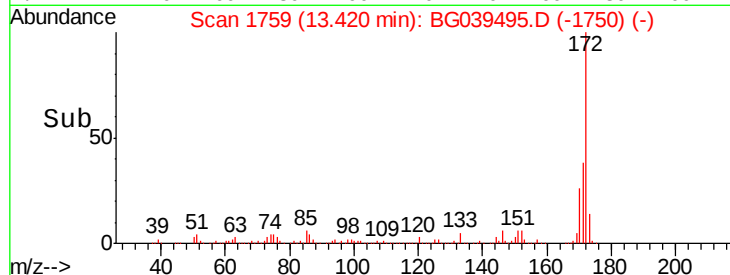
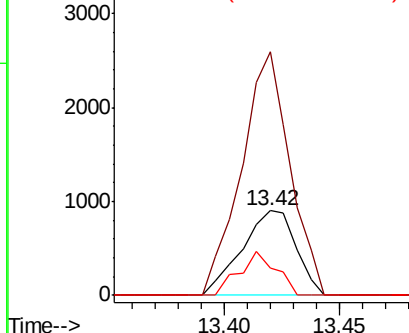
65 100

92 288.6 51.4 77.2#

138 31.7 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: 14.074 ng

RT: 14.79 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

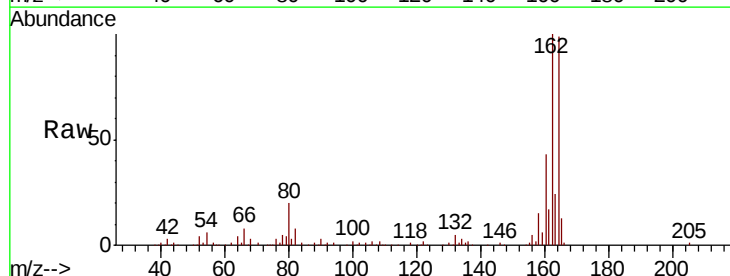
Tgt Ion: 165 Resp: 18786

Ion Ratio Lower Upper

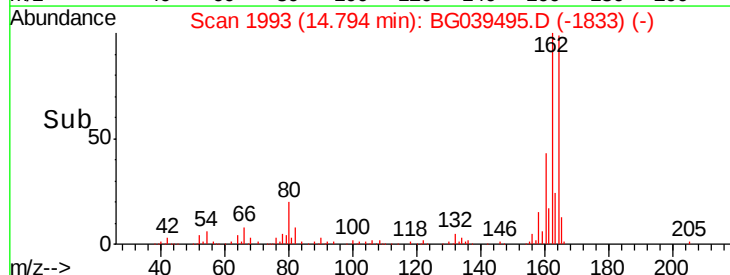
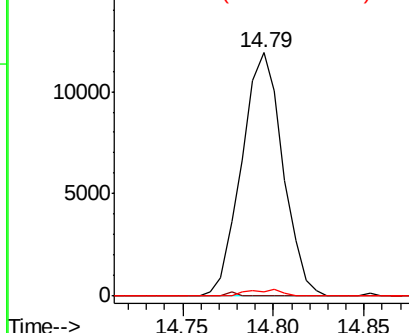
165 100

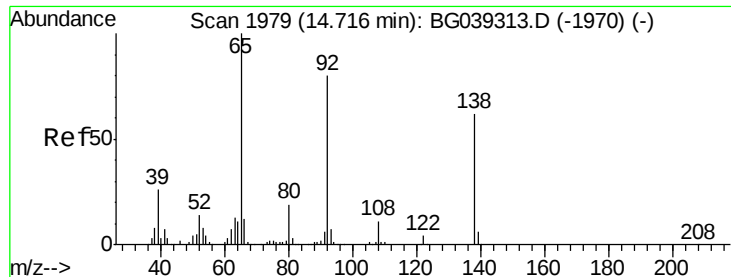
63 0.0 47.0 70.6#

89 1.6 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

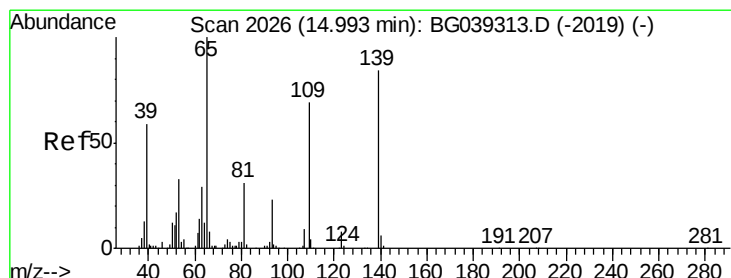
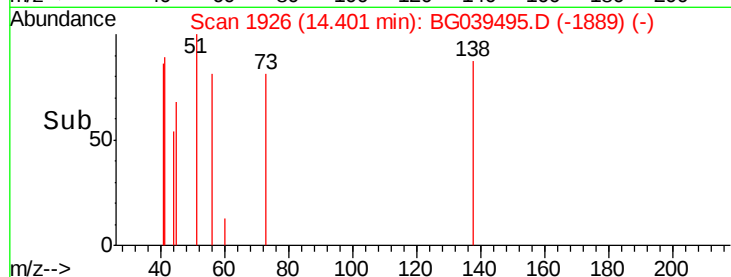
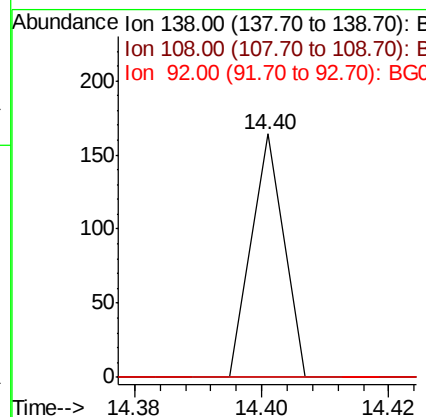
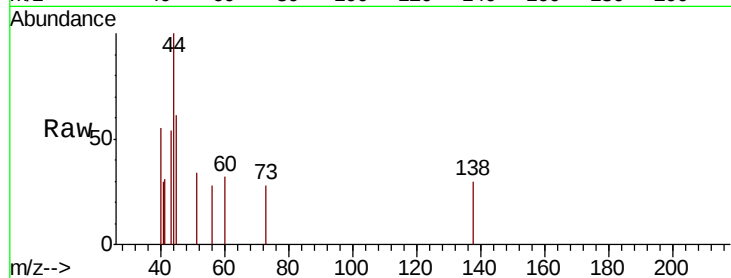




#53
3-Nitroaniline
Concen: 5.815 ng
RT: 14.40 min Scan# 1926
Delta R.T. -0.32 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

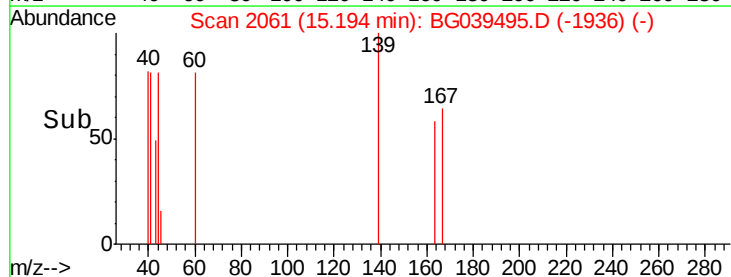
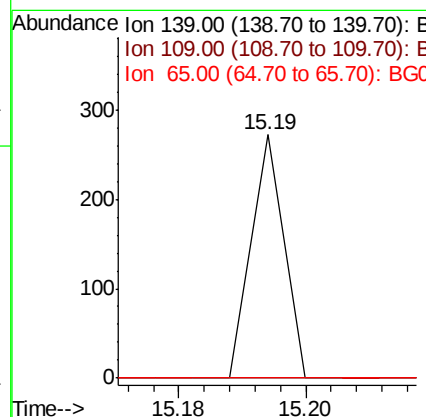
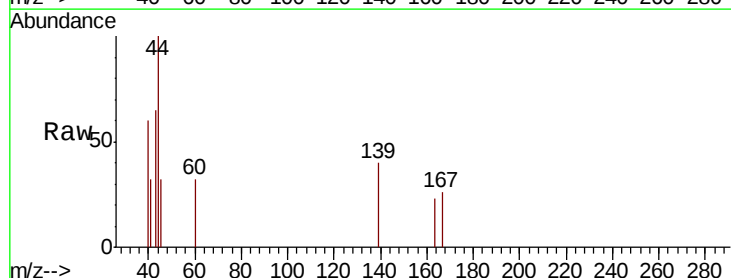
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-C

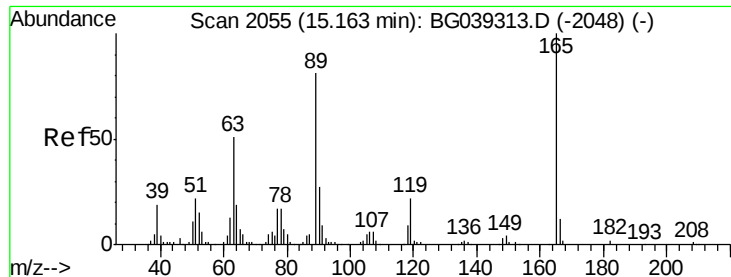
Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#



#56
4-Nitrophenol
Concen: 5.836 ng
RT: 15.19 min Scan# 2061
Delta R.T. 0.20 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#

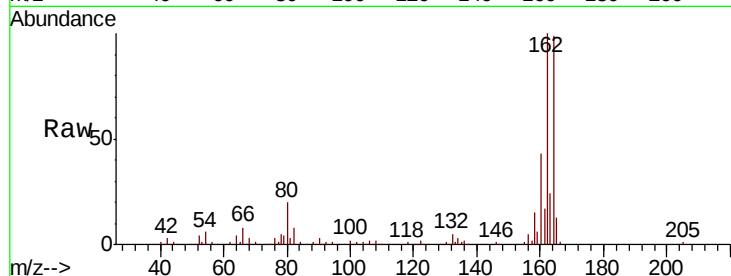




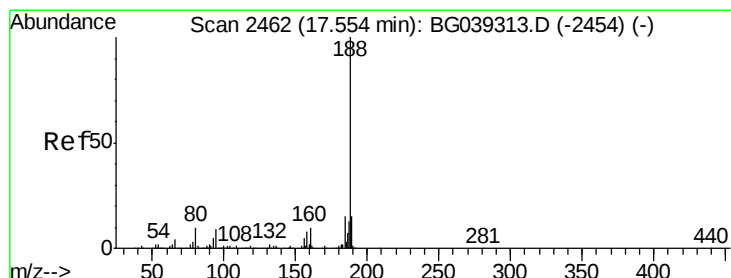
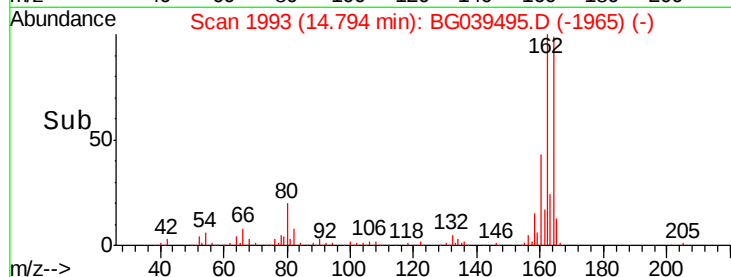
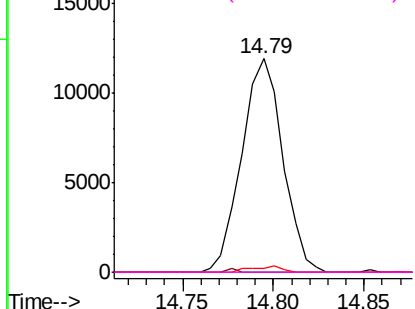
#57
2,4-Dinitrotoluene
Concen: 13.512 ng
RT: 14.79 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

Instrument :
BNA_G
ClientSampleId :
JC-02-021119-C

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.6	64.6	96.8#
182	0.0	2.0	3.0#

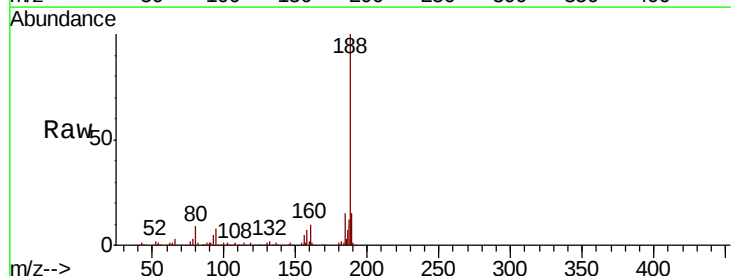


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

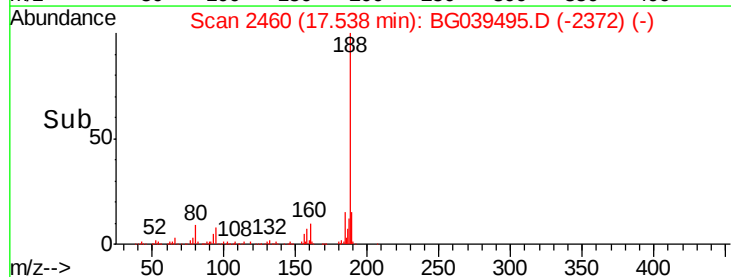
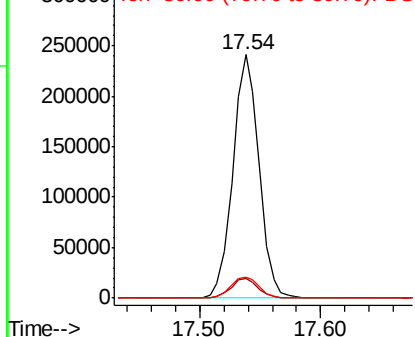


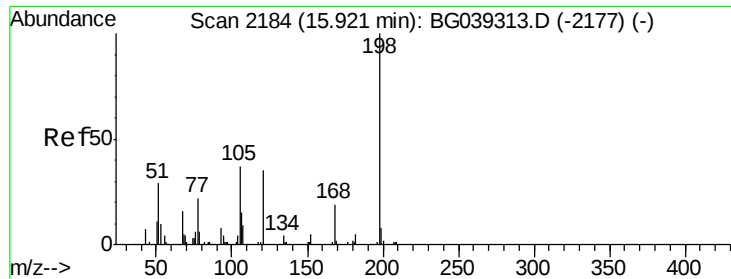
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.02 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	8.8	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





#65

4,6-Dinitro-2-methylphenol

Concen: 5.050 ng

RT: 16.27 min Scan# 2245

Delta R.T. 0.35 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-C

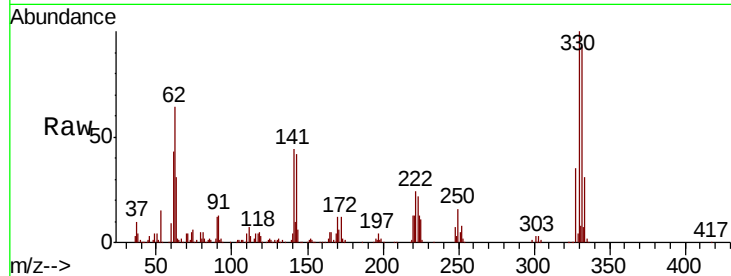
Tgt Ion:198 Resp: 988

Ion Ratio Lower Upper

198 100

51 87.9 27.4 67.4#

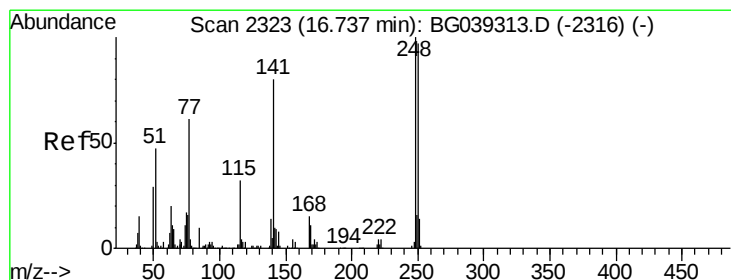
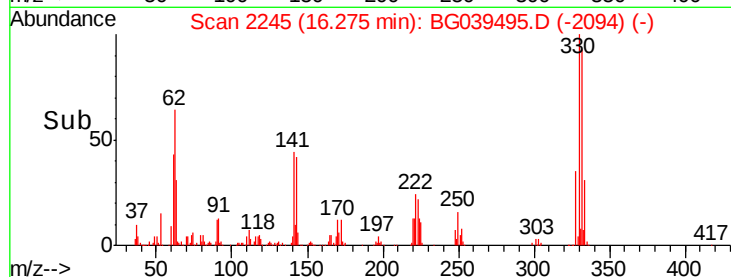
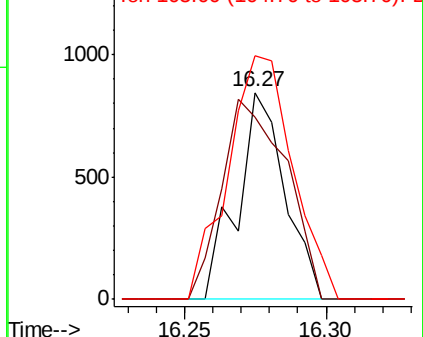
105 117.9 19.7 59.7#



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: 4.609 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.46 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

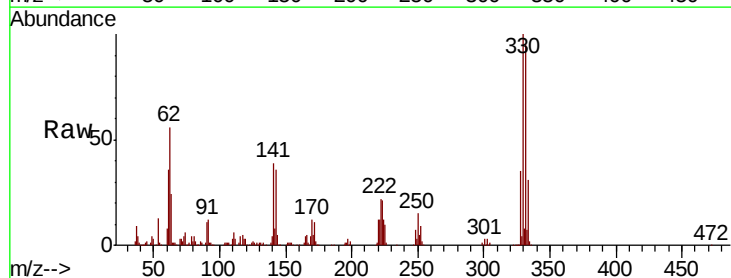
Tgt Ion:248 Resp: 18516

Ion Ratio Lower Upper

248 100

250 207.6 77.6 116.4#

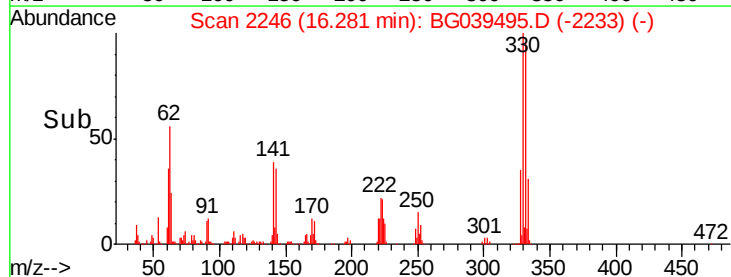
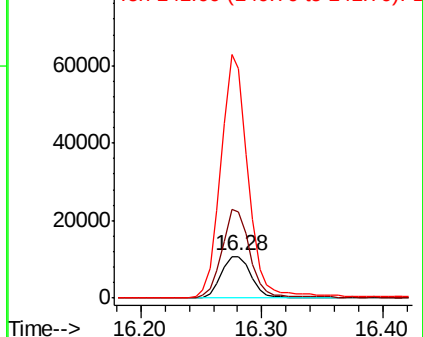
141 549.4 63.9 95.9#

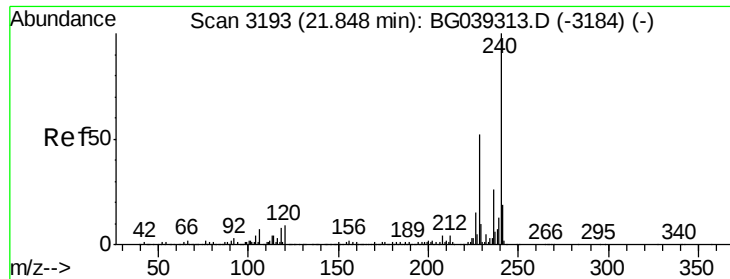


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

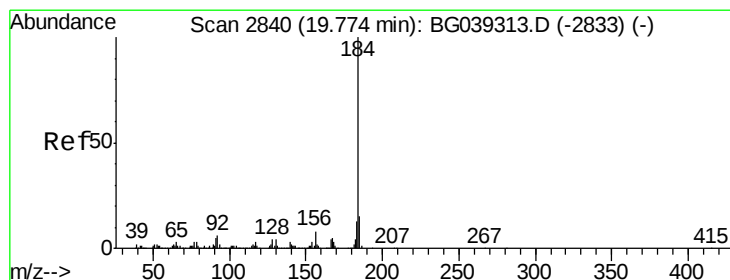
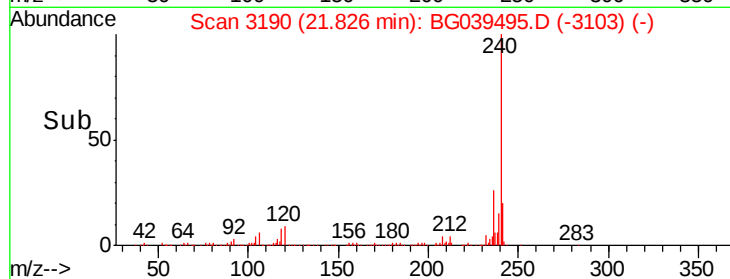
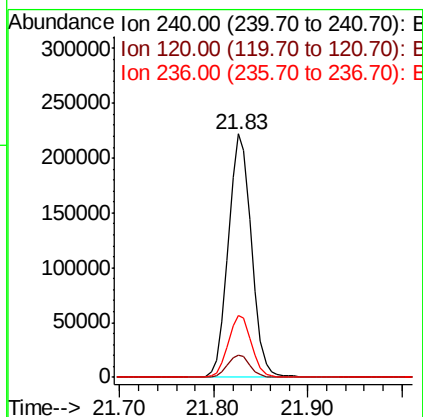
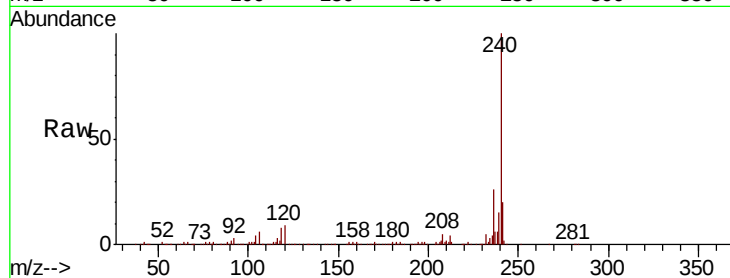




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

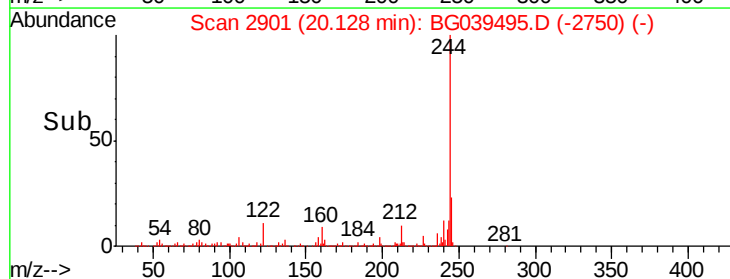
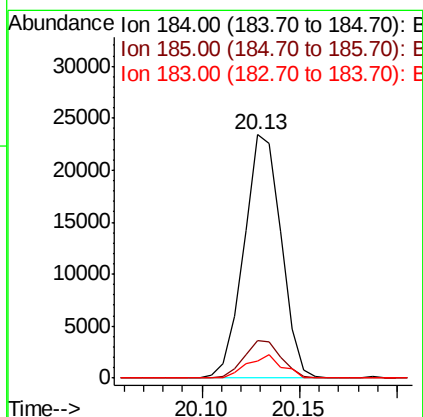
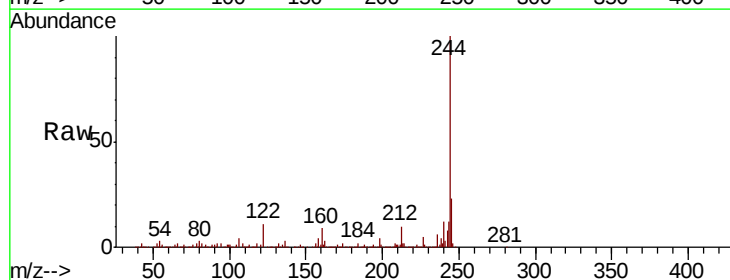
Instrument :
BNA_G
ClientSampleId :
JC-02-021119-C

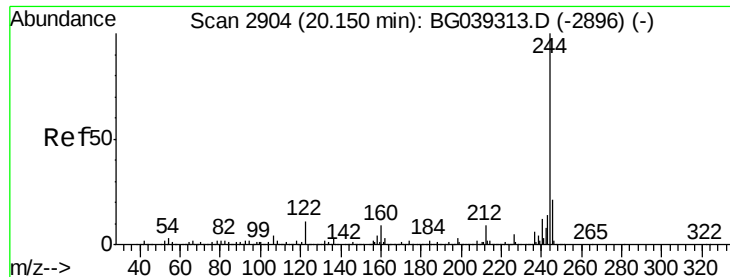
Tgt Ion: 240 Resp: 379213
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.6 21.0 31.4



#77
Benzidine
Concen: 2.483 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.35 min
Lab File: BG039495.D
Acq: 13 Feb 2019 19:17

Tgt Ion: 184 Resp: 30873
Ion Ratio Lower Upper
184 100
185 15.6 12.2 18.2
183 7.1 10.6 15.8#





#79

Terphenyl-d14

Concen: 89.693 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

Instrument :

BNA_G

ClientSampleId :

JC-02-021119-C

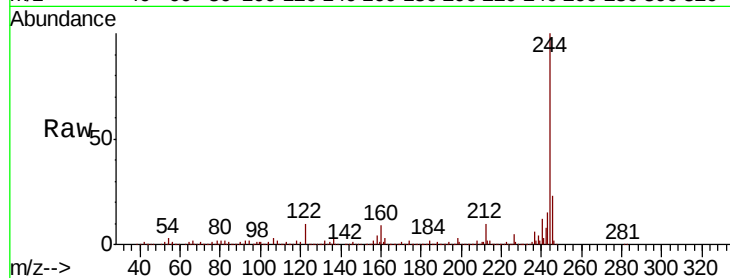
Tgt Ion:244 Resp: 1606882

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

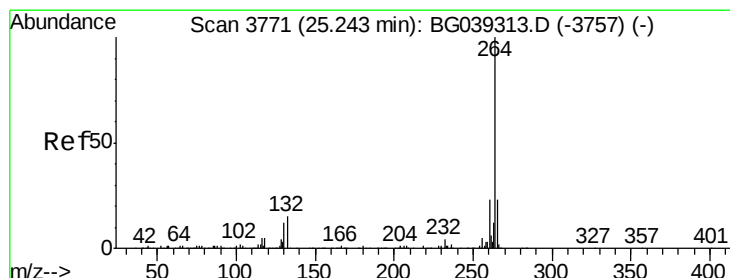
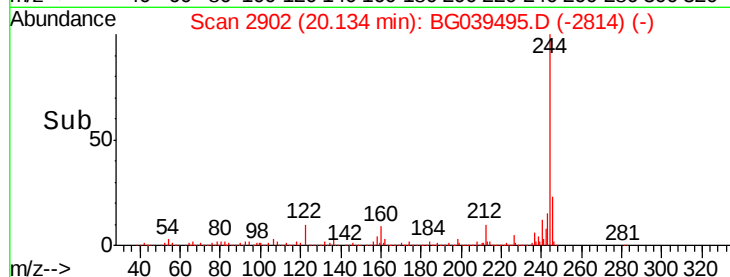
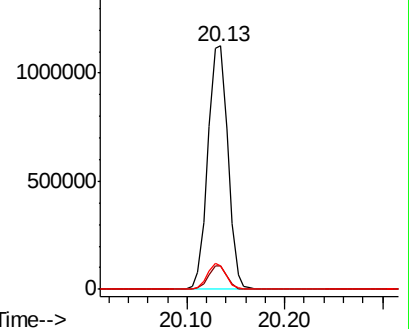
122 9.7 8.4 12.6



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: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039495.D

Acq: 13 Feb 2019 19:17

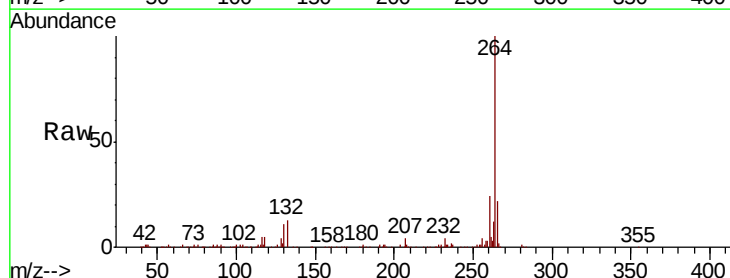
Tgt Ion:264 Resp: 373684

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 21.5 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

