

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071219\
 Data File : BG041638.D
 Acq On : 12 Jul 2019 13:40
 Operator : HP/JU
 Sample : K3636-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 12 15:19:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 05:39:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	86421	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	338600	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	218790	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	526397	20.00	ng	0.00
76) Chrysene-d12	21.66	240	516427	20.00	ng	0.00
87) Perylene-d12	24.86	264	579410	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	330347	64.15	ng	0.00
7) Phenol-d6	7.20	99	292519	41.93	ng	0.00
23) Nitrobenzene-d5	9.21	82	518090	93.25	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	344534	137.71	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1310380	94.16	ng	0.00
79) Terphenyl-d14	20.01	244	2056785	97.34	ng	0.00

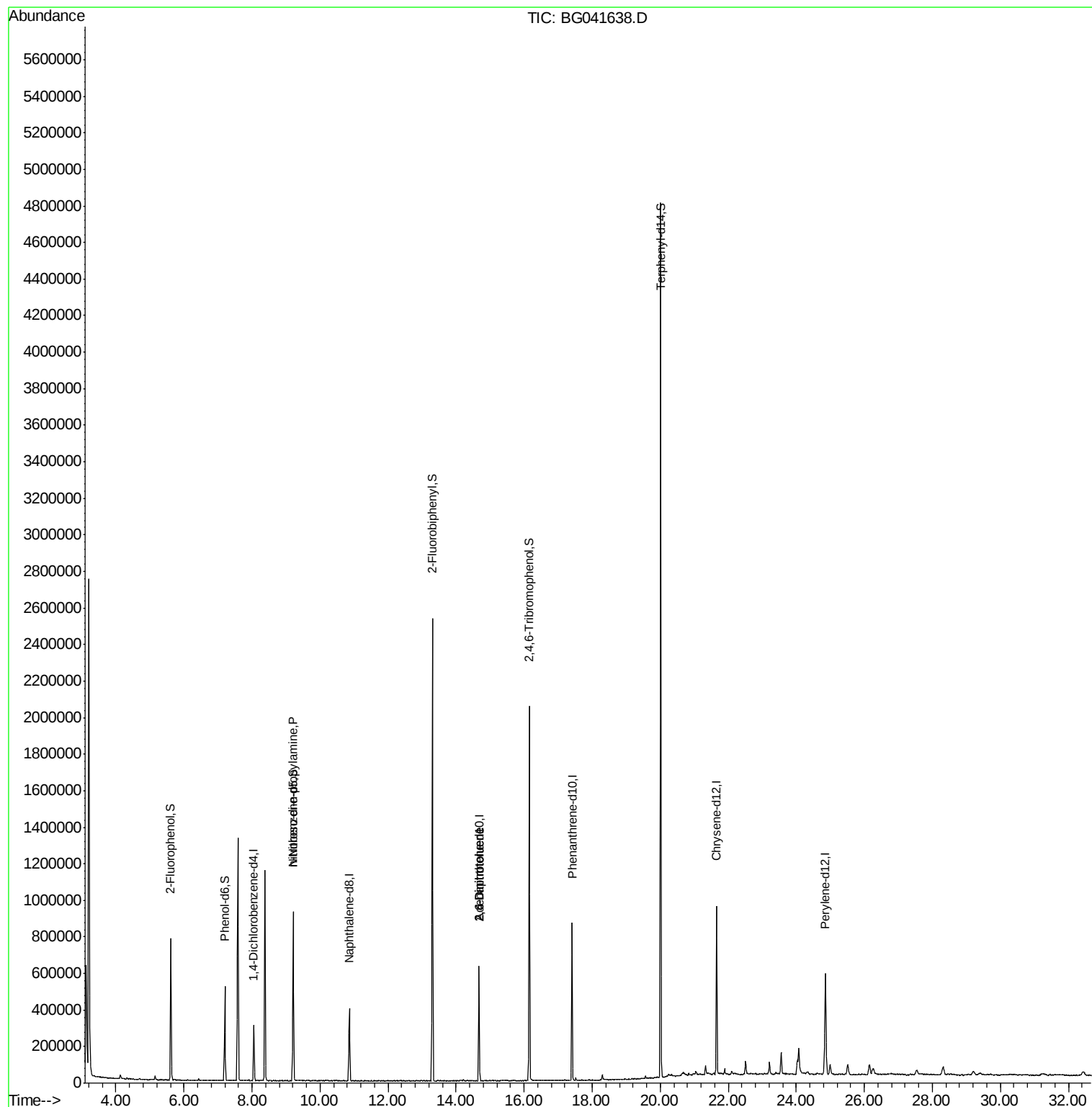
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	560	Below Cal	#	2
19) n-Nitroso-di-n-propylamine	9.21	70	73336	14.312	ng	# 81
51) 2,6-Dinitrotoluene	14.67	165	28599	8.363	ng	# 17
57) 2,4-Dinitrotoluene	14.67	165	28599	6.358	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.15	198	1190	Below Cal	#	1
66) n-Nitrosodiphenylamine	16.15	169	13803	Below Cal	#	51
77) Benzydine	20.01	184	36944	Below Cal	#	94
80) Butylbenzylphthalate	20.70	149	518	Below Cal	#	84
82) 3,3'-Dichlorobenzidine	21.54	252	71	Below Cal	#	24
86) Indeno(1,2,3-cd)pyrene	28.53	276	220	Below Cal	#	1

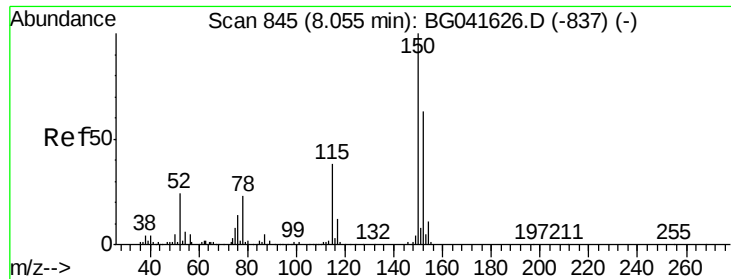
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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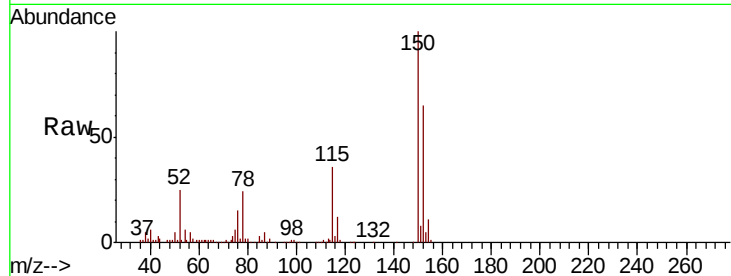


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	86421
Ion Ratio	Lower	Upper	
152	100		
150	153.0	120.6	181.0
115	54.9	47.9	71.9

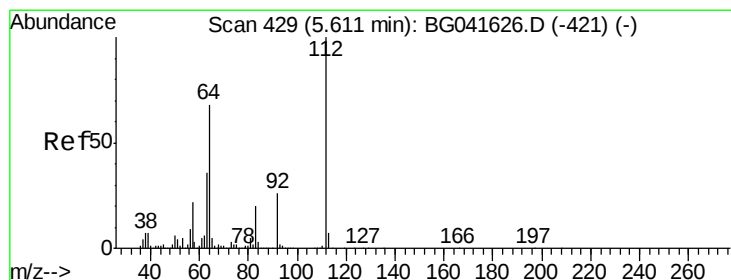
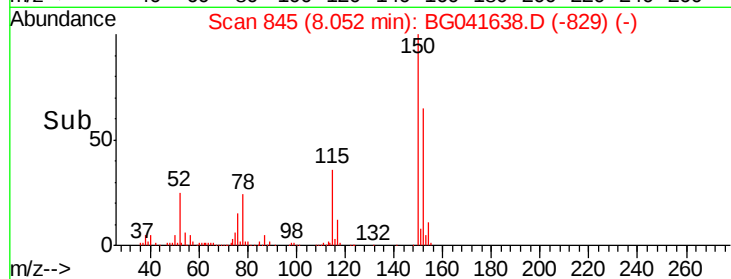
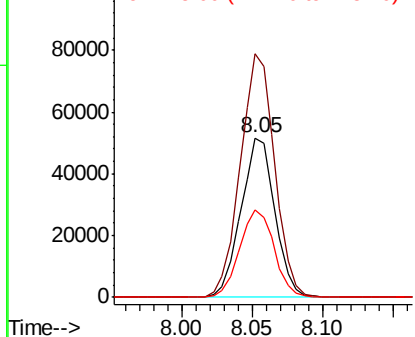


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

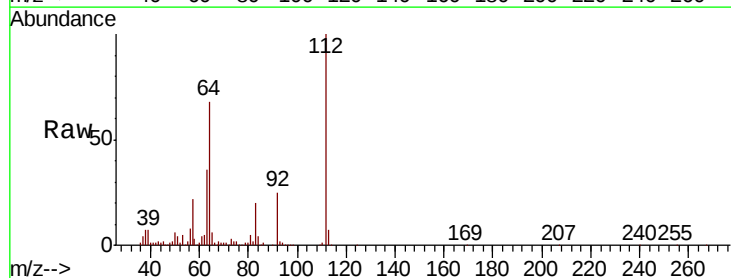
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 64.145 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Tgt Ion	112	Resp	330347
Ion Ratio	Lower	Upper	
112	100		
64	68.4	55.9	83.9
63	35.7	34.6	51.8

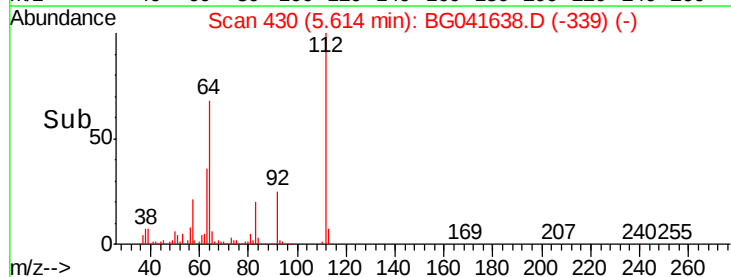
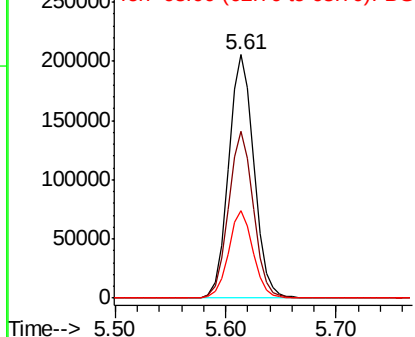


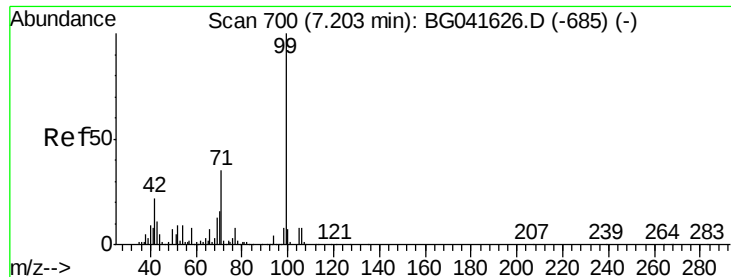
Abundance

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: 41.926 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041638.D

Acq: 12 Jul 2019 13:40

Instrument :

BNA_G

ClientSampleId :

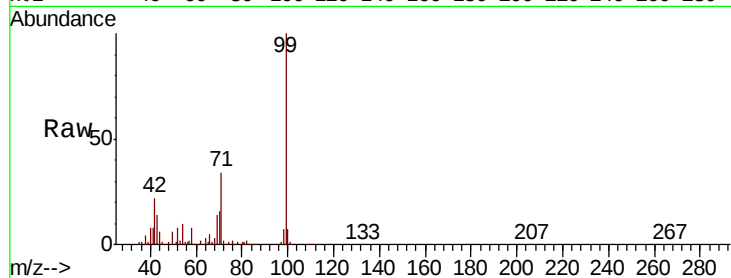
Tot Ion: 99 Resp: 292519

Ion Ratio Lower Upper

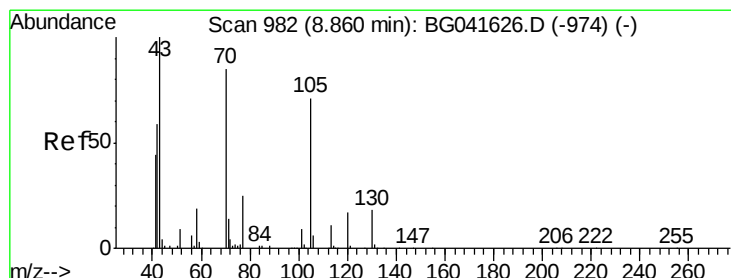
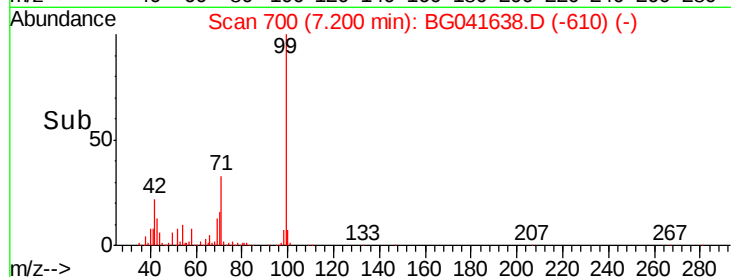
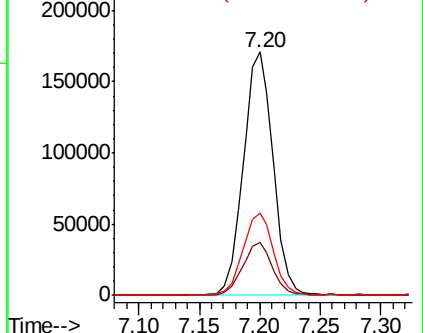
99 100

42 21.8 19.9 29.9

71 33.6 36.4 54.6#



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: 14.312 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG041638.D

Acq: 12 Jul 2019 13:40

Tgt Ion: 70 Resp: 73336

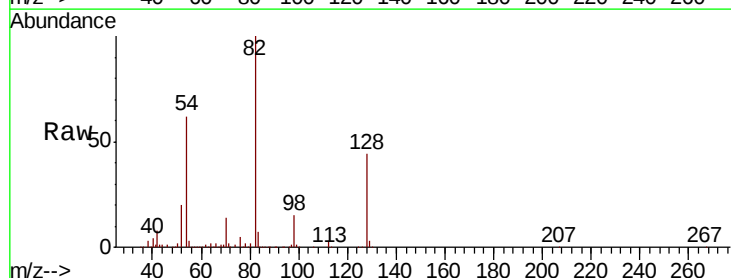
Ion Ratio Lower Upper

70 100

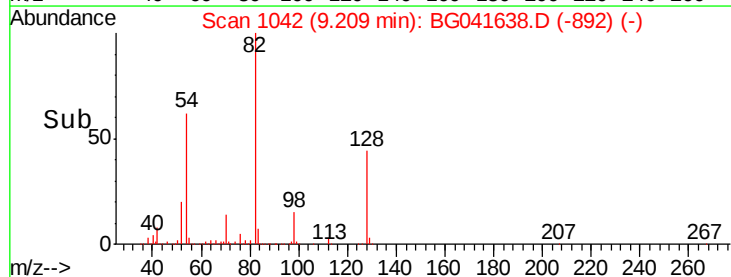
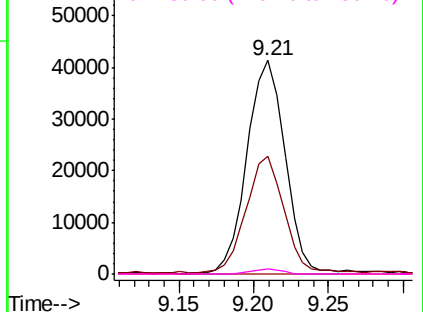
42 55.1 51.4 77.2

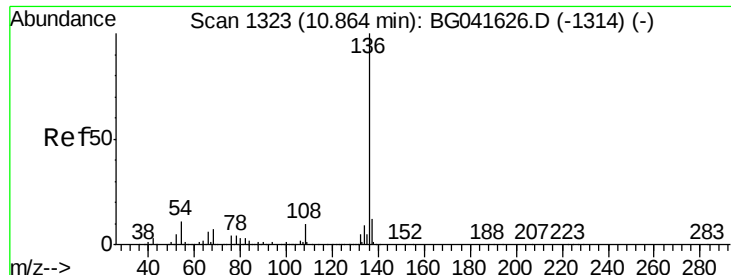
101 0.0 8.2 12.2#

130 2.5 15.2 22.8#



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

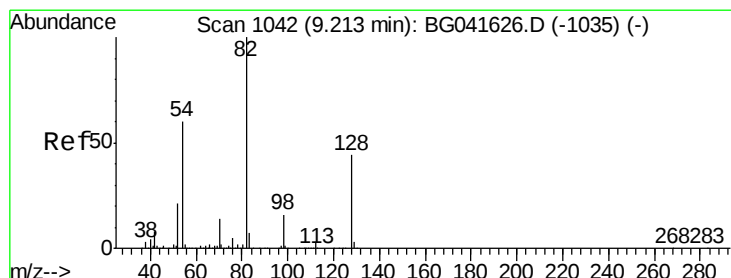
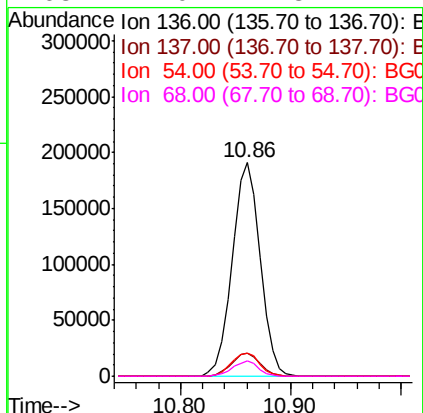
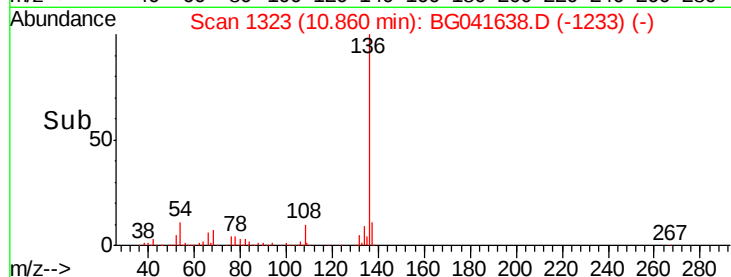
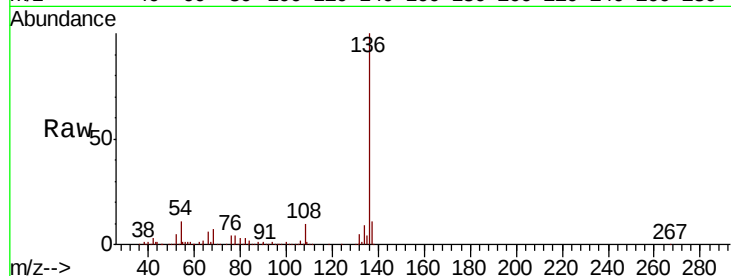




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

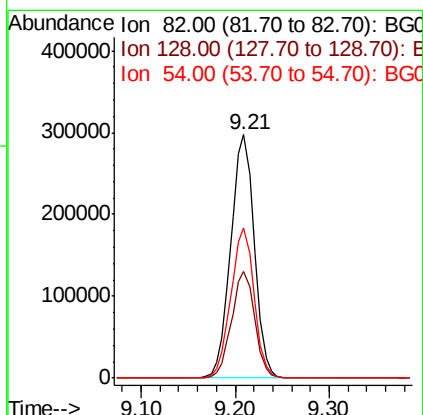
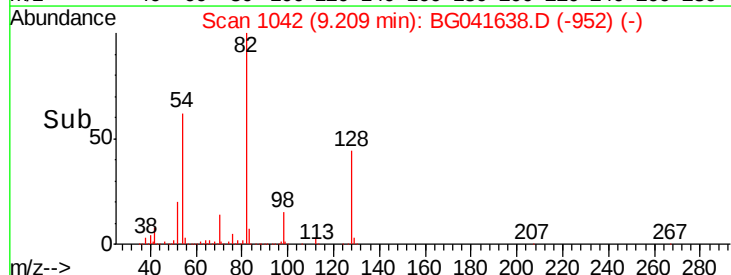
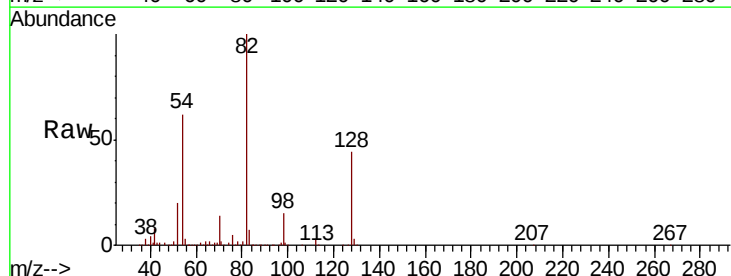
Instrument :
BNA_G
ClientSampled :

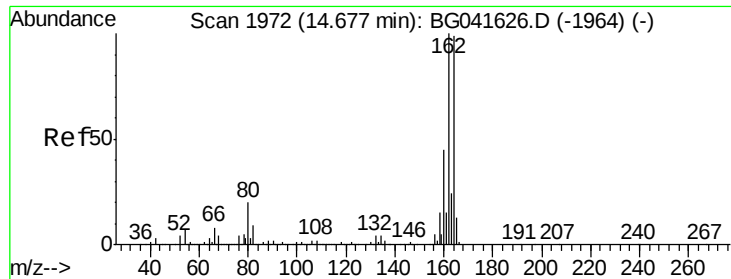
Tot Ion:136	Resp:	338600
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	11.1	6.4 9.6#
68	7.0	4.8 7.2



#23
Nitrobenzene-d5
Concen: 93.250 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Tgt Ion: 82	Resp:	518090
Ion	Ratio	Lower Upper
82	100	
128	43.8	29.2 43.8
54	61.8	43.4 65.0

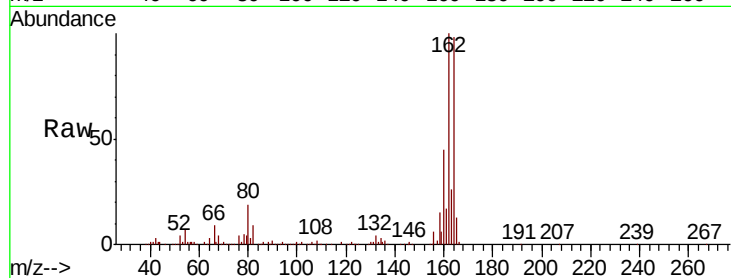




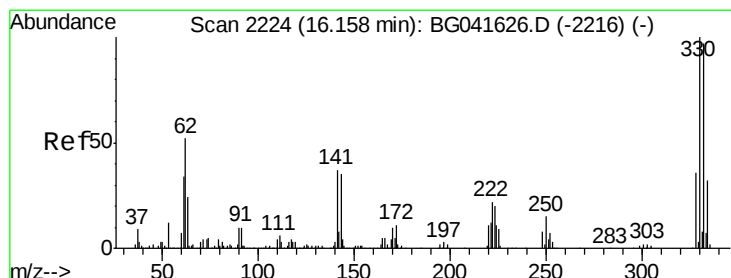
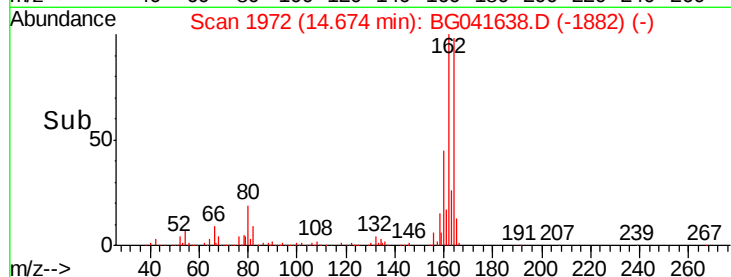
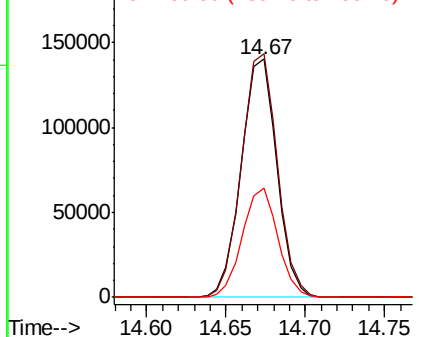
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 218790
Ion Ratio Lower Upper
164 100
162 102.2 82.8 124.2
160 45.7 35.8 53.8

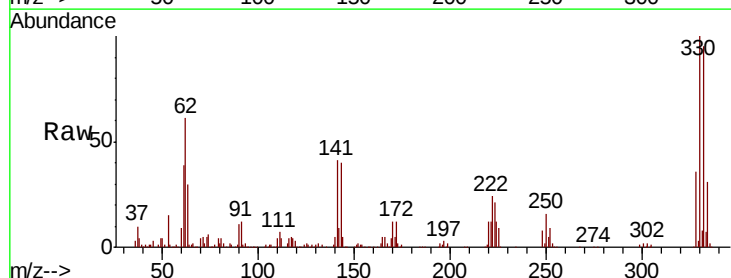


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

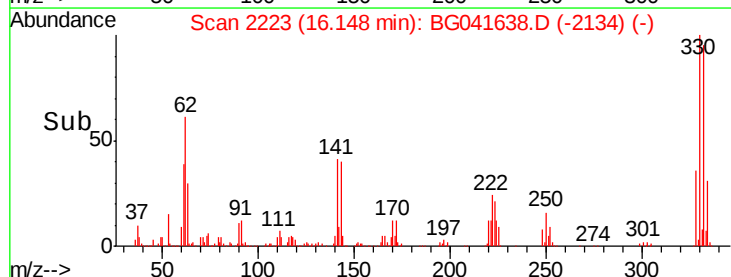
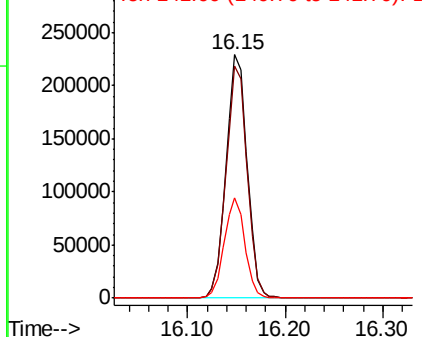


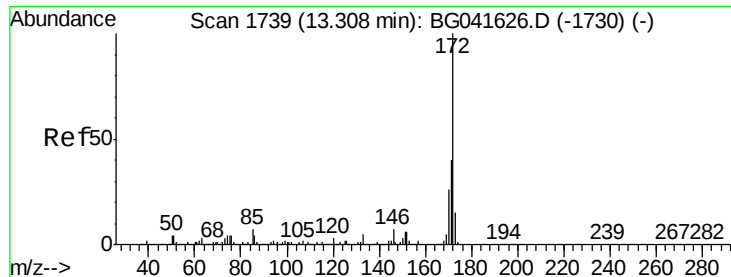
#42
2,4,6-Tribromophenol
Concen: 137.708 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Tgt Ion:330 Resp: 344534
Ion Ratio Lower Upper
330 100
332 95.0 75.5 113.3
141 40.4 29.0 43.4



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

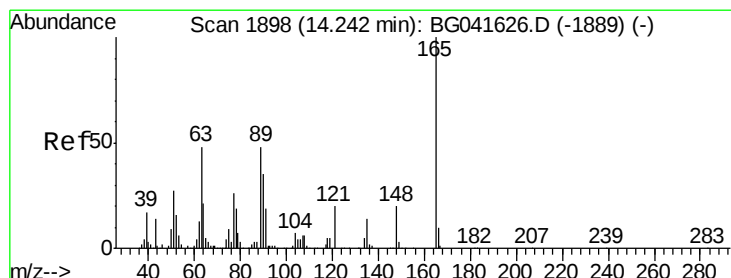
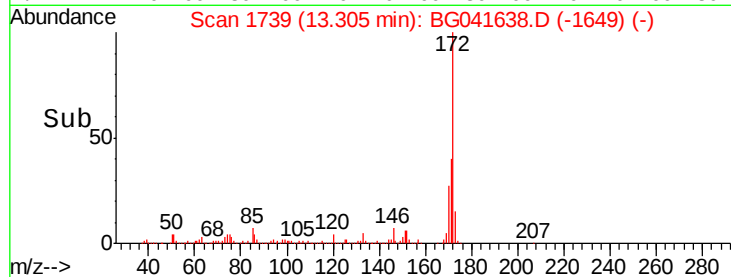
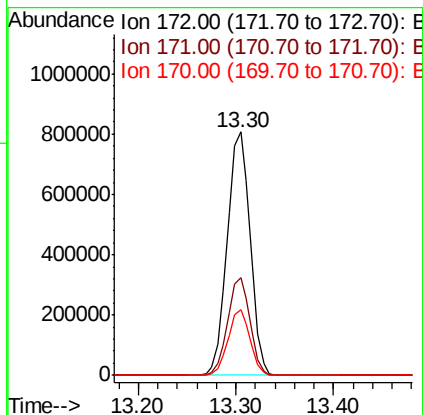
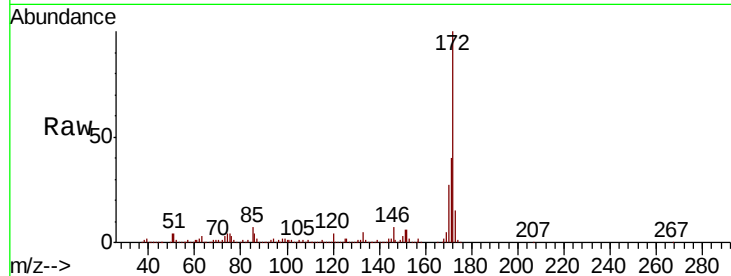




#45
2-Fluorobiphenyl
Concen: 94.159 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.00 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

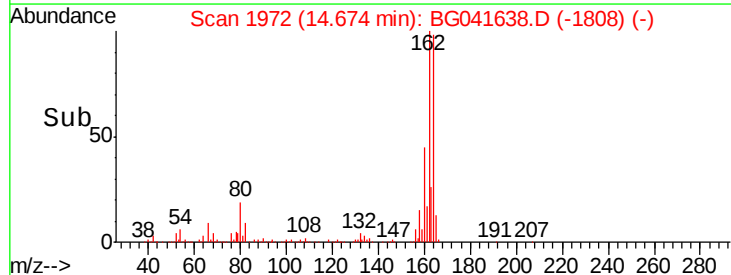
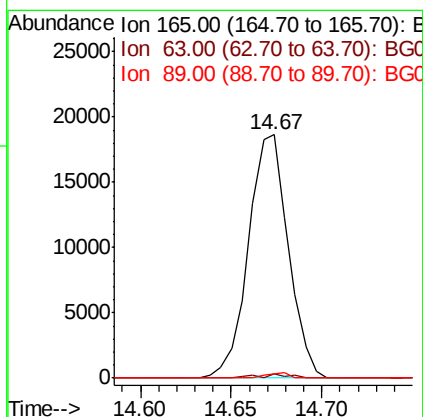
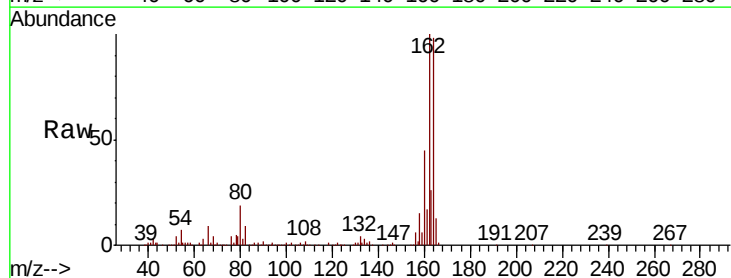
Instrument :
BNA_G
ClientSampleId :

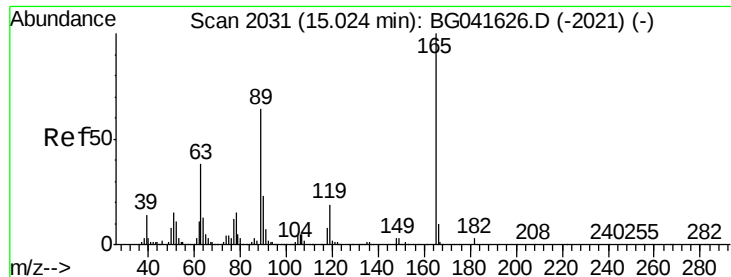
Tot Ion:172 Resp: 1310380
Ion Ratio Lower Upper
172 100
171 40.3 30.0 45.0
170 26.9 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.363 ng
RT: 14.67 min Scan# 1972
Delta R.T. 0.43 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Tgt Ion:165 Resp: 28599
Ion Ratio Lower Upper
165 100
63 1.9 55.4 83.0#
89 1.5 56.5 84.7#

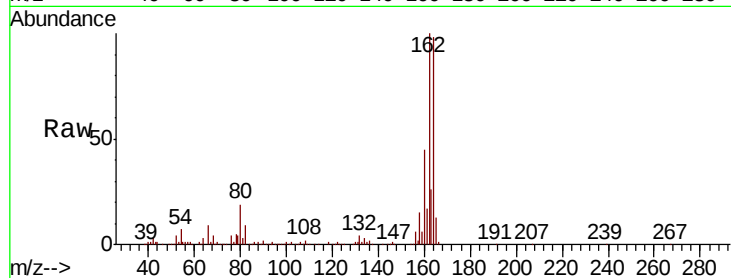




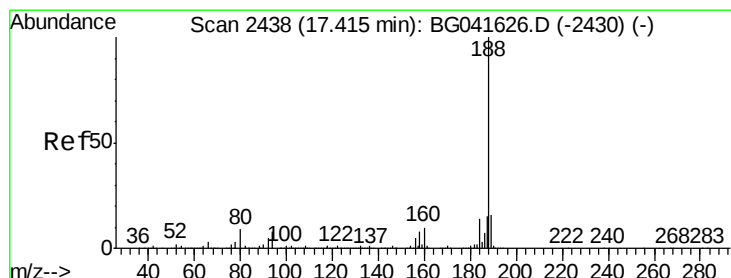
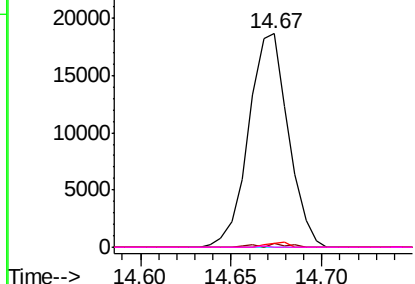
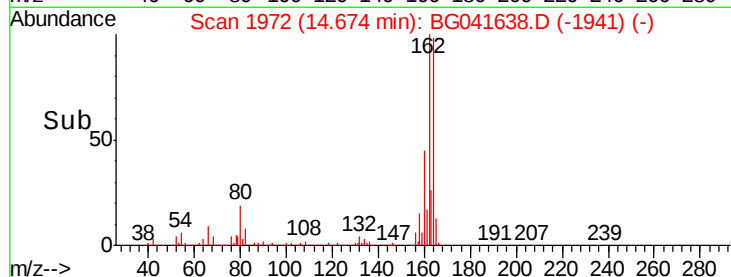
#57
2,4-Dinitrotoluene
Concen: 6.358 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.35 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165	Resp:	28599
Ion Ratio	Lower	Upper
165	100	
63	1.9	40.0 60.0#
89	1.5	64.6 96.8#
182	0.0	2.9 4.3#

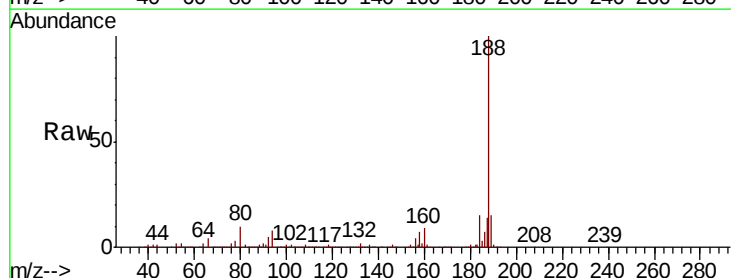


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

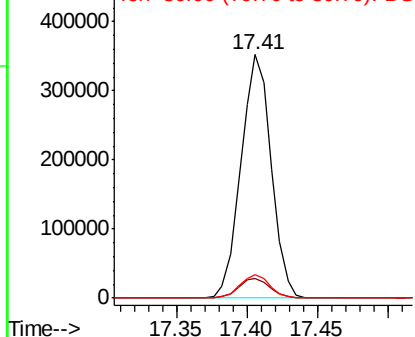
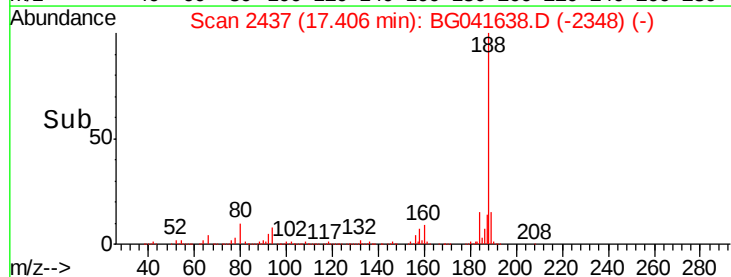


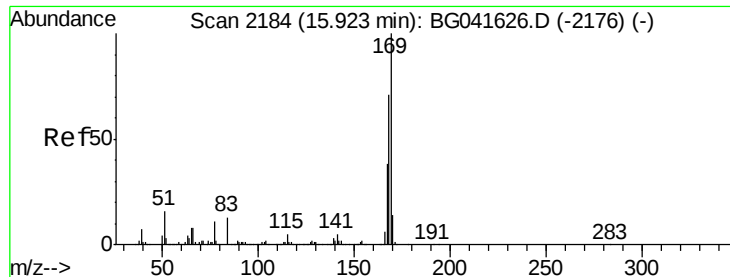
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Tgt Ion:188	Resp:	526397
Ion Ratio	Lower	Upper
188	100	
94	8.3	3.6 5.4#
80	9.5	4.8 7.2#



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

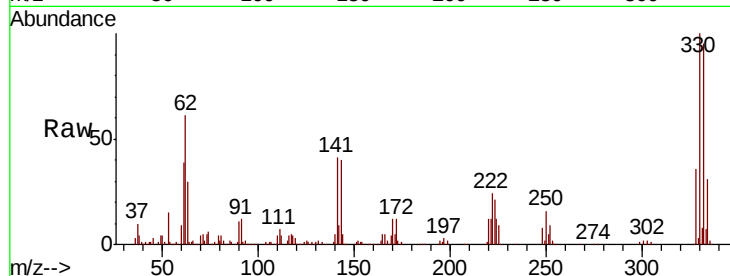




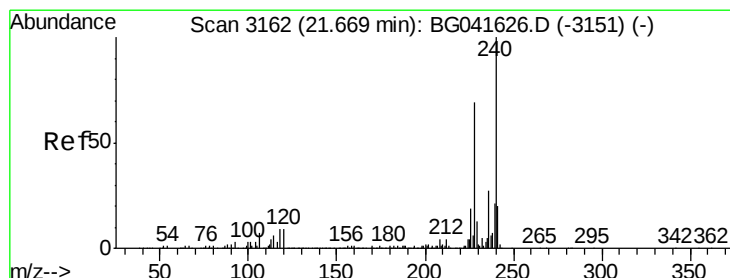
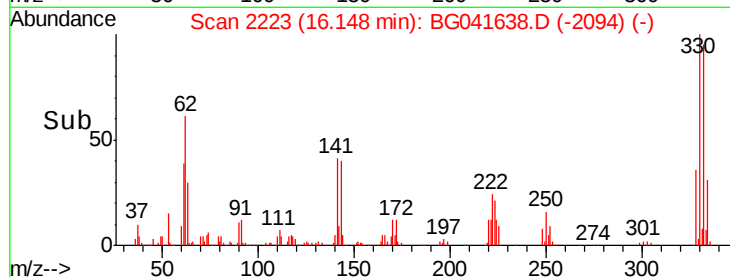
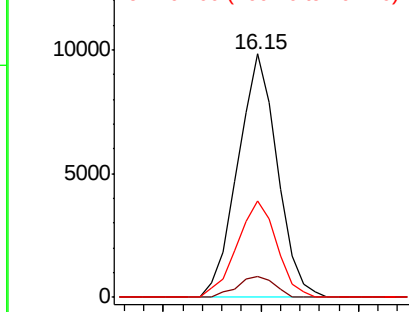
#66
 n-Nitrosodiphenylamine
 Concen: Below Cal
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.23 min
 Lab File: BG041638.D
 Acq: 12 Jul 2019 13:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 13803
 Ion Ratio Lower Upper
 169 100
 168 8.6 55.2 82.8#
 167 39.8 30.4 45.6

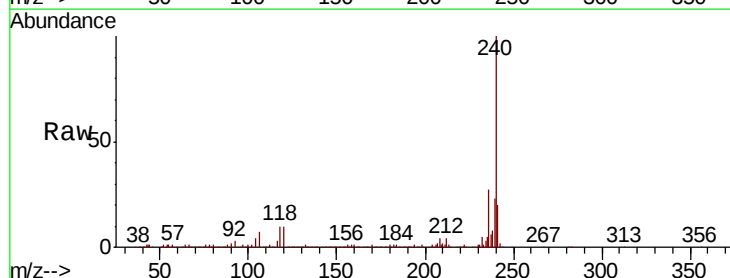


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

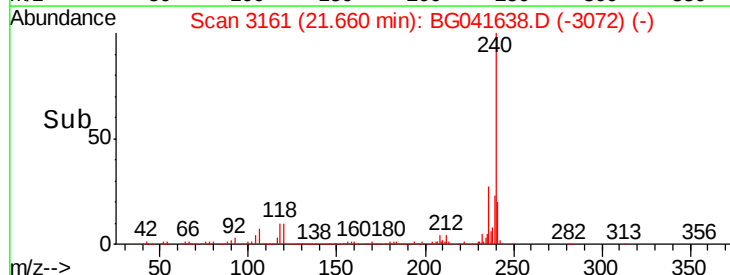
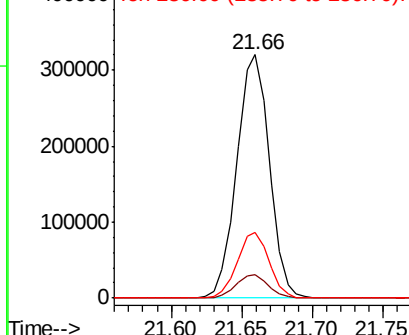


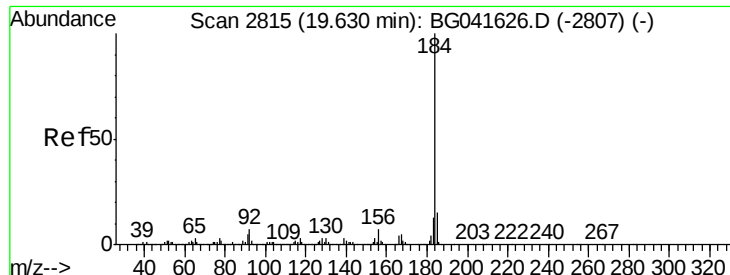
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG041638.D
 Acq: 12 Jul 2019 13:40

Tgt Ion:240 Resp: 516427
 Ion Ratio Lower Upper
 240 100
 120 9.6 3.7 5.5#
 236 26.8 21.1 31.7



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: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG041638.D

Acq: 12 Jul 2019 13:40

Instrument :

BNA_G

ClientSampleId :

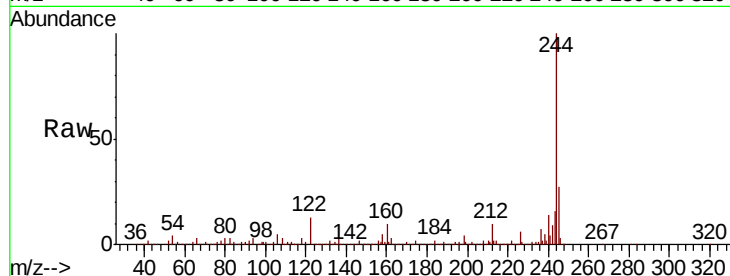
Tot Ion:184 Resp: 36944

Ion Ratio Lower Upper

184 100

185 16.9 12.2 18.2

183 8.8 9.6 14.4#

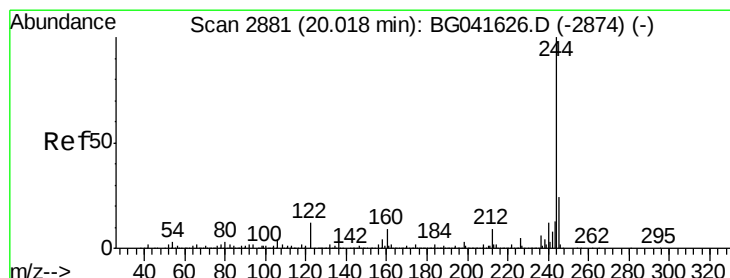
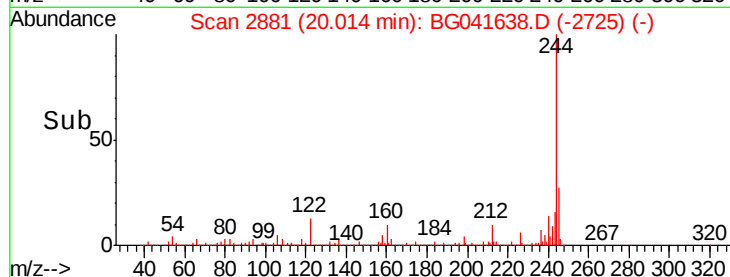
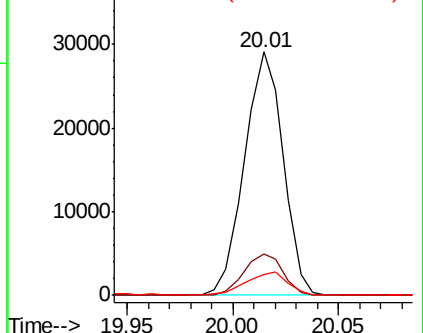


Abundance

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: 97.340 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG041638.D

Acq: 12 Jul 2019 13:40

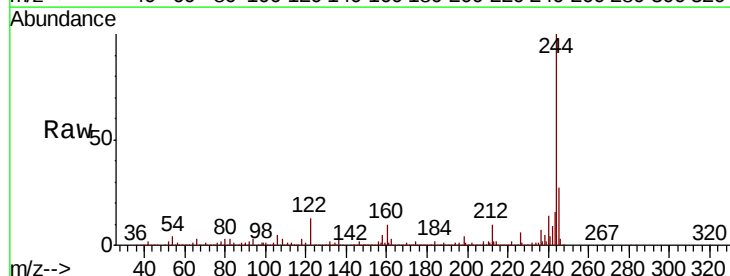
Tgt Ion:244 Resp: 2056785

Ion Ratio Lower Upper

244 100

212 10.2 6.6 10.0#

122 13.0 5.0 7.4#

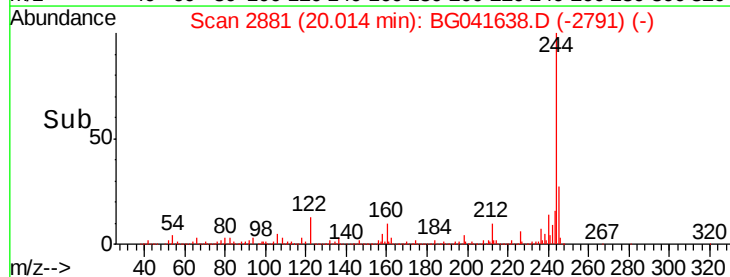
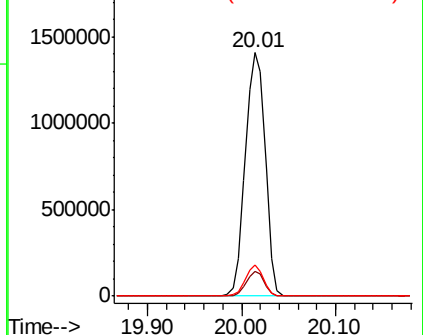


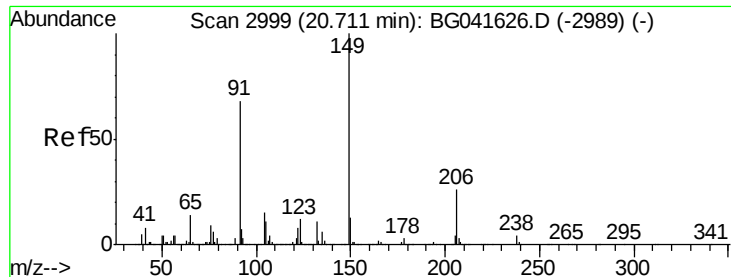
Abundance

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

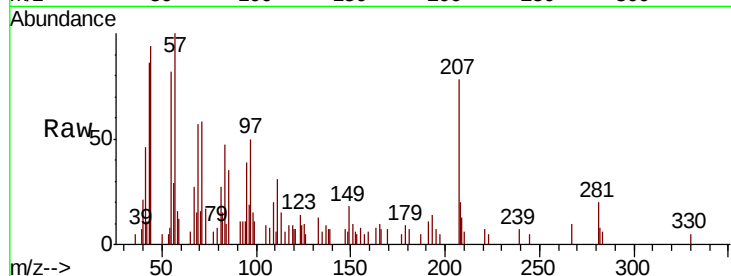




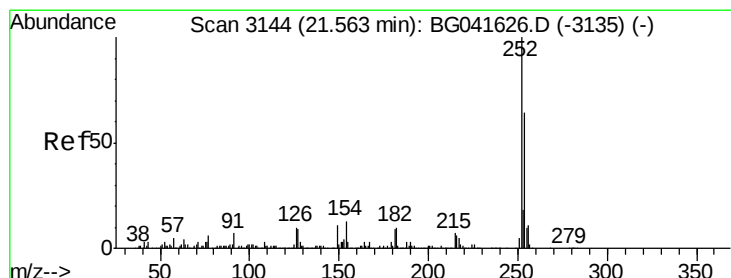
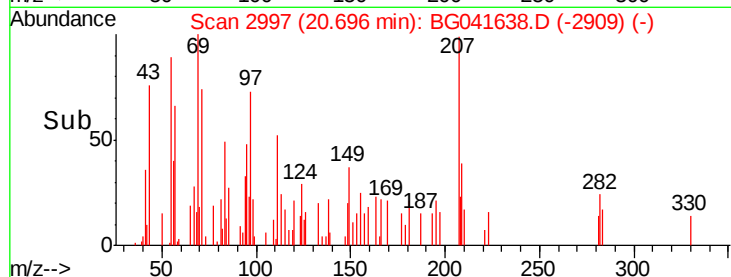
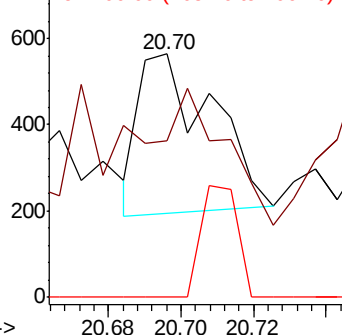
#80
Butylbenzylphthalate
Concen: Below Cal
RT: 20.70 min Scan# 2997
Delta R.T. -0.02 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 518
Ion Ratio Lower Upper
149 100
91 64.5 53.2 79.8
206 0.0 20.3 30.5#

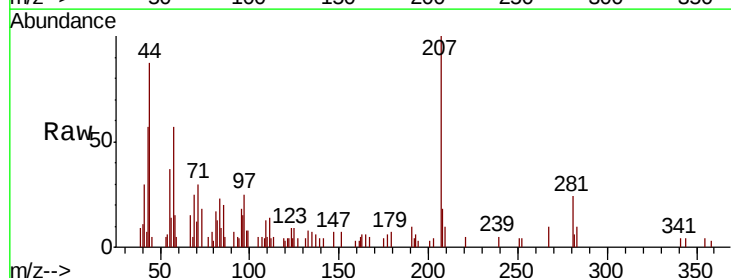


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

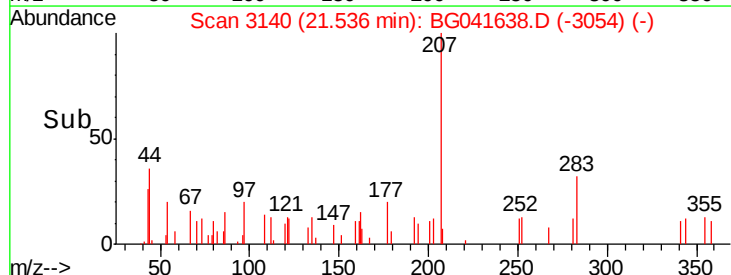
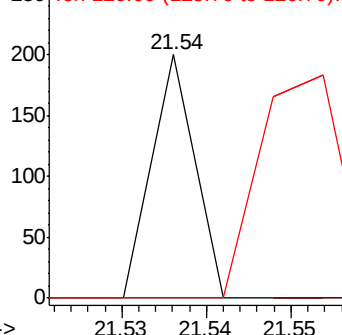


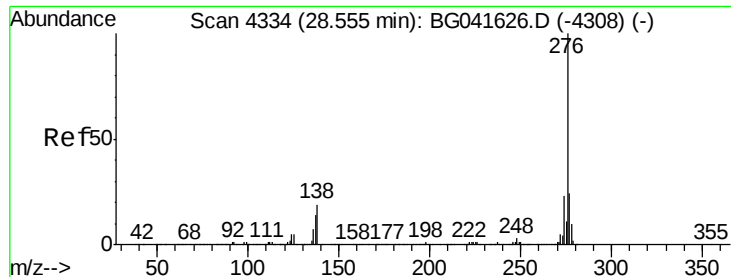
#82
3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 21.54 min Scan# 3140
Delta R.T. -0.03 min
Lab File: BG041638.D
Acq: 12 Jul 2019 13:40

Tgt Ion:252 Resp: 71
Ion Ratio Lower Upper
252 100
254 0.0 51.4 77.0#
126 0.0 6.0 9.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E

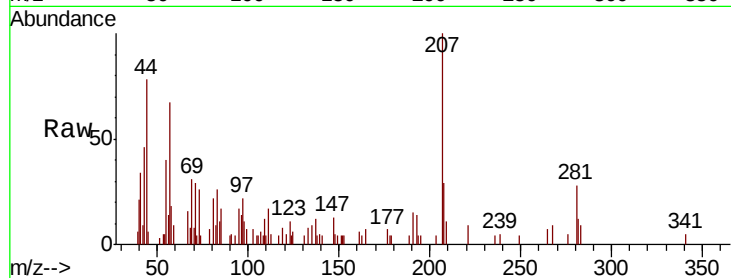




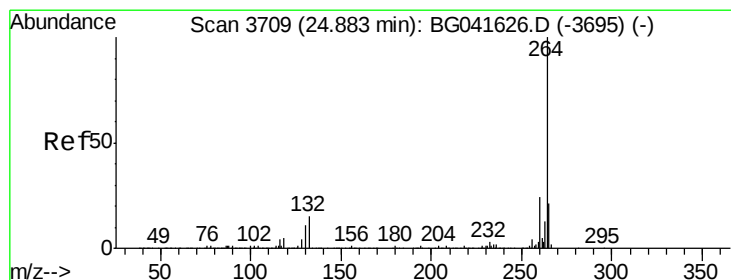
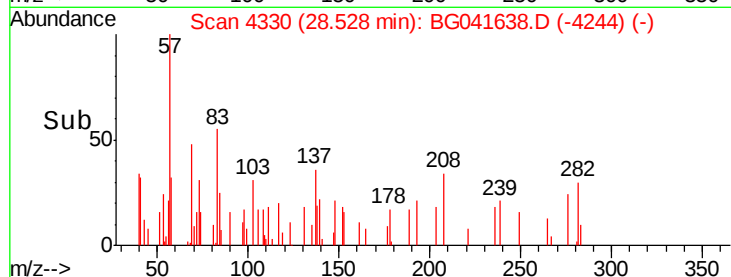
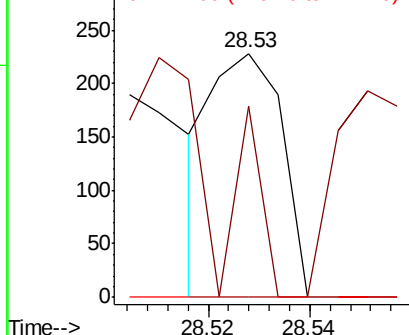
#86
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 28.53 min Scan# 4330
 Delta R.T. -0.03 min
 Lab File: BG041638.D
 Acq: 12 Jul 2019 13:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:276 Resp: 220
 Ion Ratio Lower Upper
 276 100
 138 152.7 7.7 11.5#
 277 0.0 20.6 31.0#

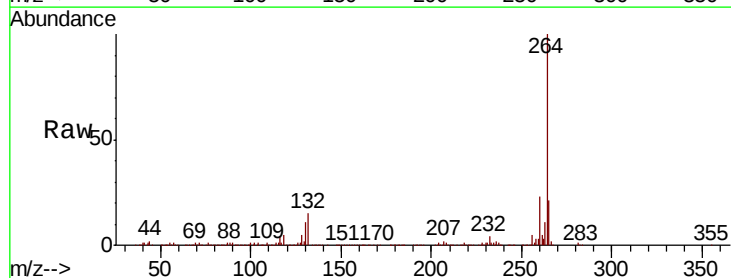


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.03 min
 Lab File: BG041638.D
 Acq: 12 Jul 2019 13:40

Tgt Ion:264 Resp: 579410
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.4 26.2
 265 21.4 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

