

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071219\
 Data File : BG041635.D
 Acq On : 12 Jul 2019 11:45
 Operator : HP/JU
 Sample : K3636-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 12 15:18:27 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	93176	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	383135	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	250835	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	604075	20.00	ng	0.00
76) Chrysene-d12	21.66	240	638998	20.00	ng	0.00
87) Perylene-d12	24.86	264	713997	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	310157	55.86	ng	0.00
7) Phenol-d6	7.20	99	276696	36.78	ng	0.00
23) Nitrobenzene-d5	9.21	82	503067	80.02	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	331622	115.61	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1285417	80.57	ng	0.00
79) Terphenyl-d14	20.02	244	2108355	80.64	ng	0.00

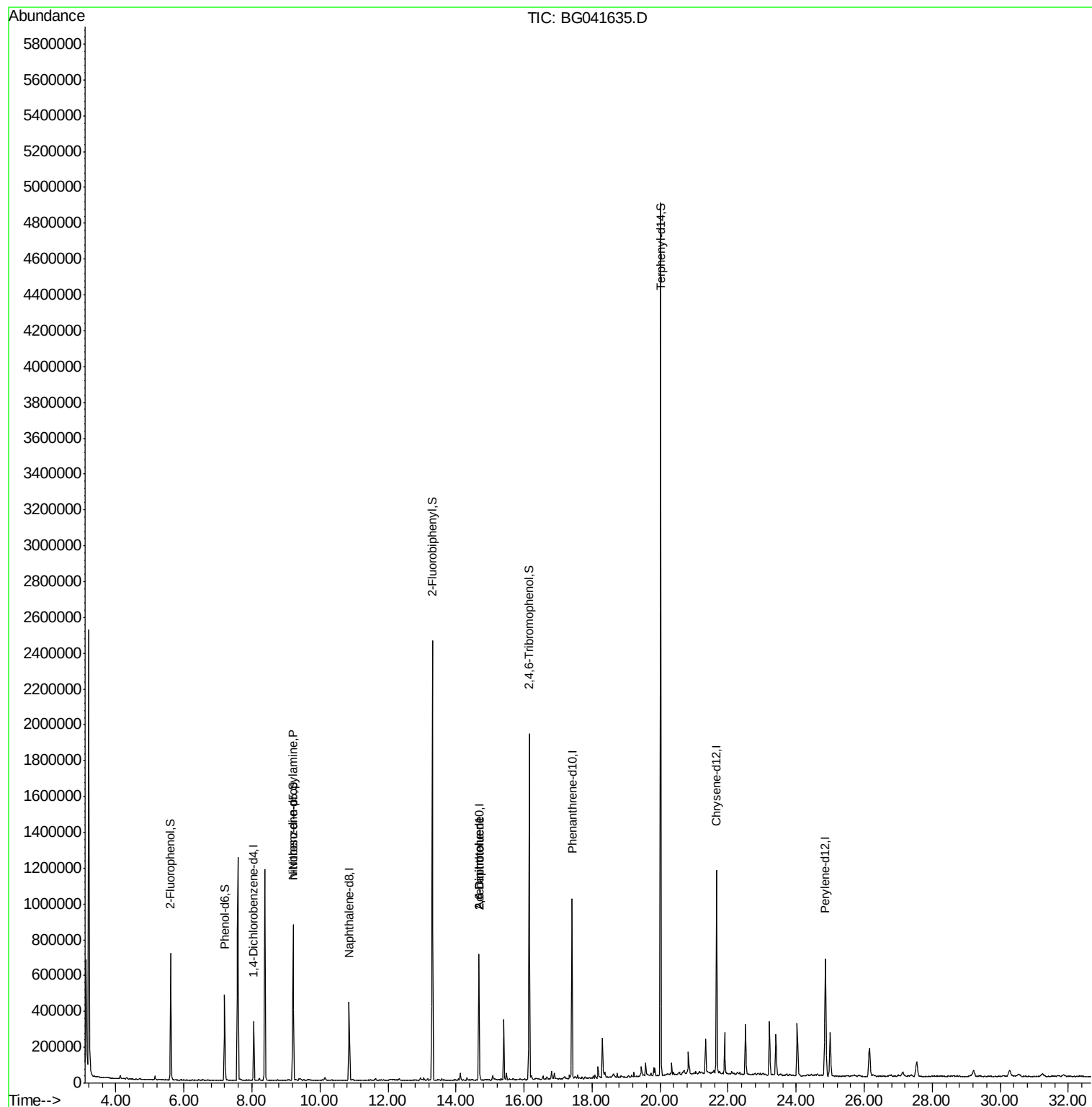
Target Compounds				Qvalue		
9) Benzaldehyde	7.19	77	793	Below Cal	#	2
19) n-Nitroso-di-n-propylamine	9.21	70	69594	12.597 ng	#	81
51) 2,6-Dinitrotoluene	14.67	165	32330	8.246 ng	#	16
57) 2,4-Dinitrotoluene	14.67	165	32330	6.269 ng	#	20
65) 4,6-Dinitro-2-methylphenol	16.15	198	1255	Below Cal	#	1
66) n-Nitrosodiphenylamine	16.15	169	13753	Below Cal	#	51
67) 4-Bromophenyl-phenylether	16.15	248	26142	Below Cal	#	1
77) Benzydine	20.02	184	38468	Below Cal	#	97
80) Butylbenzylphthalate	20.70	149	1788	Below Cal	#	79
82) 3,3'-Dichlorobenzidine	21.57	252	296	Below Cal	#	9
86) Indeno(1,2,3-cd)pyrene	28.55	276	124	Below Cal	#	31

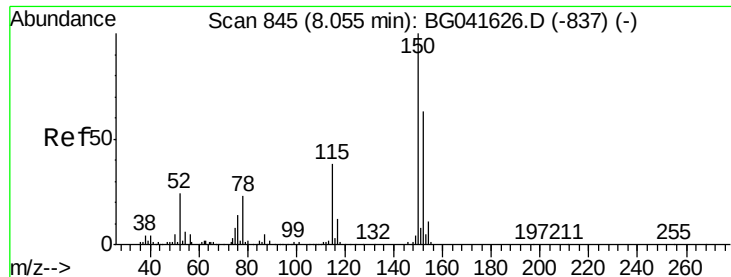
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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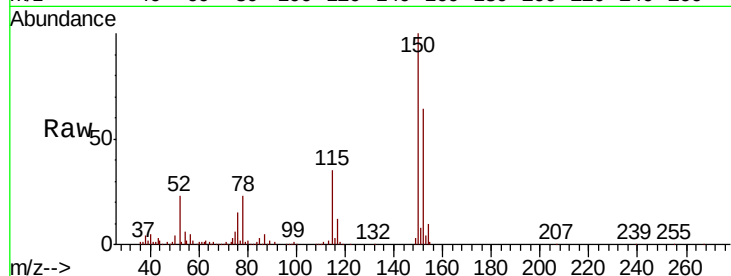


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	120.6	181.0
115	54.6	47.9	71.9

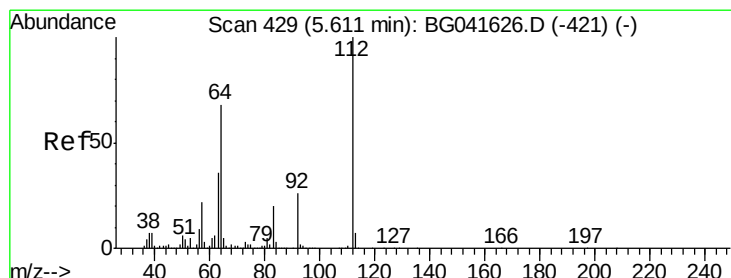
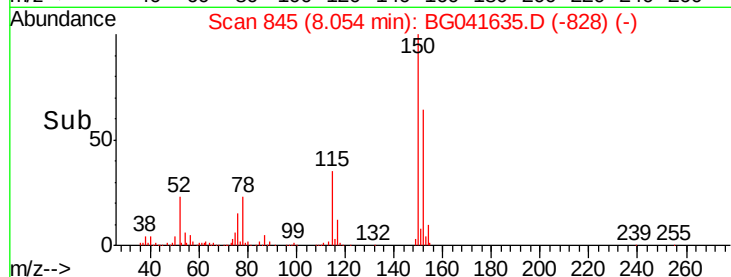
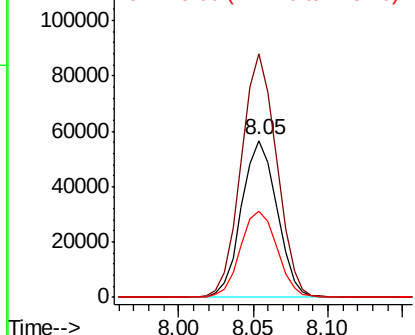


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

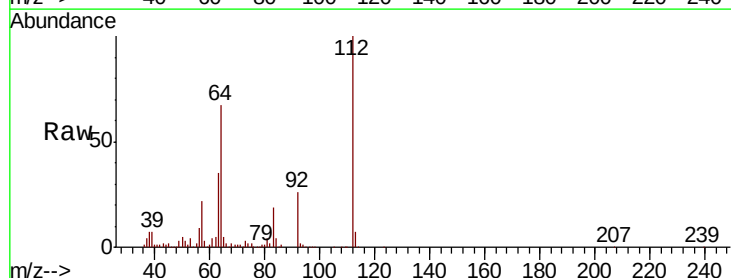
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 55.859 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	55.9	83.9
63	35.2	34.6	51.8

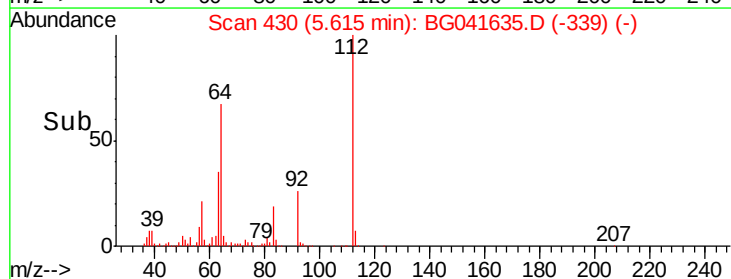
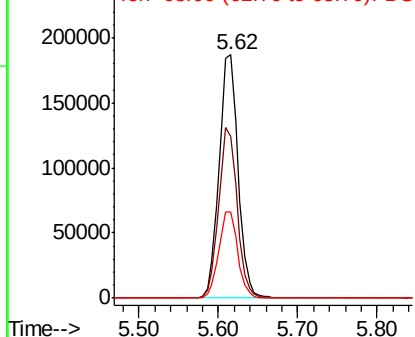


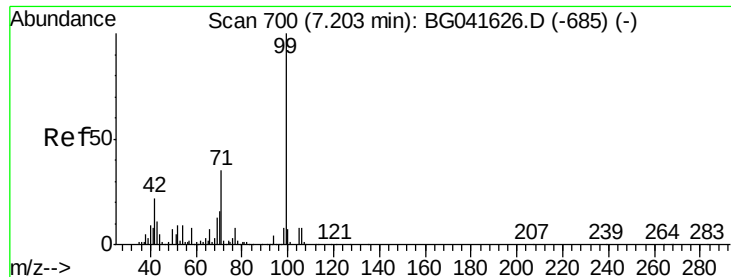
Abundance

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: 36.783 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041635.D

Acq: 12 Jul 2019 11:45

Instrument :

BNA_G

ClientSampleId :

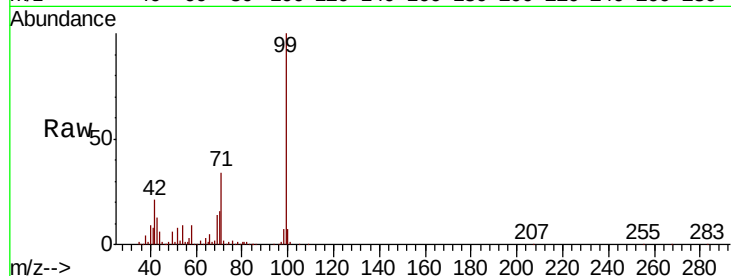
Tot Ion: 99 Resp: 276696

Ion Ratio Lower Upper

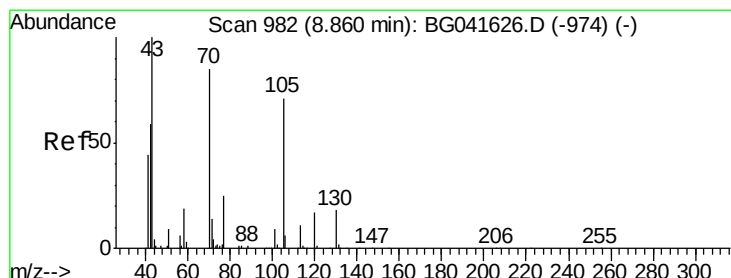
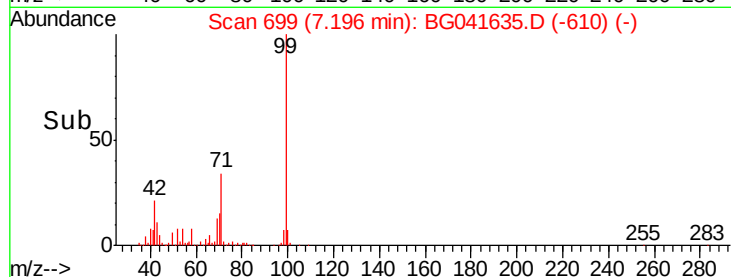
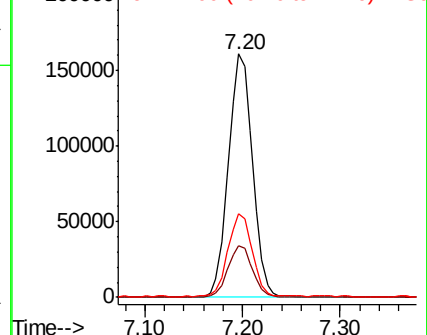
99 100

42 21.2 19.9 29.9

71 34.5 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: 12.597 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041635.D

Acq: 12 Jul 2019 11:45

Tgt Ion: 70 Resp: 69594

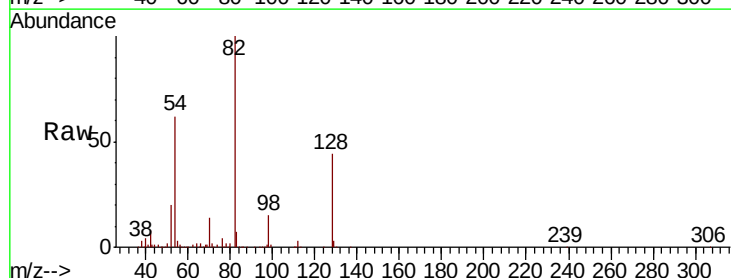
Ion Ratio Lower Upper

70 100

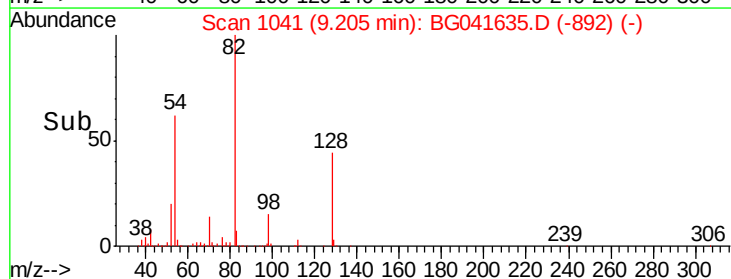
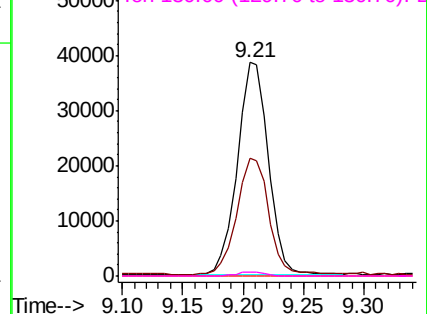
42 55.0 51.4 77.2

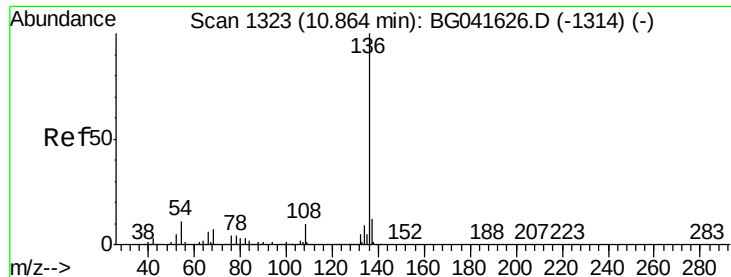
101 0.0 8.2 12.2#

130 2.0 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

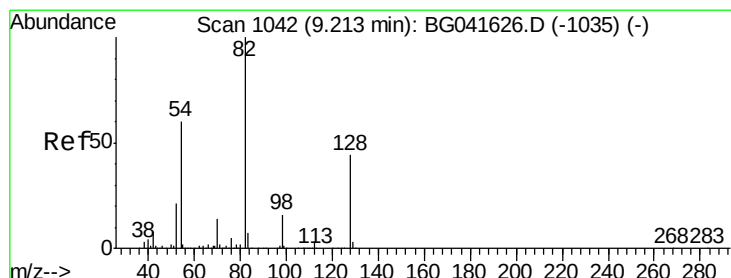
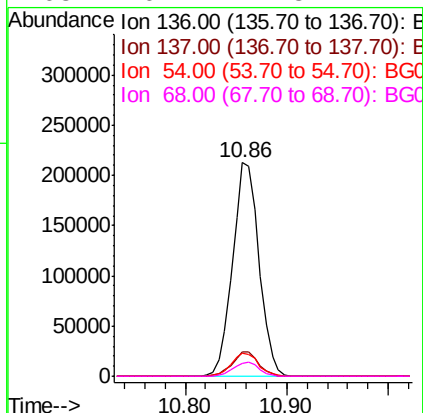
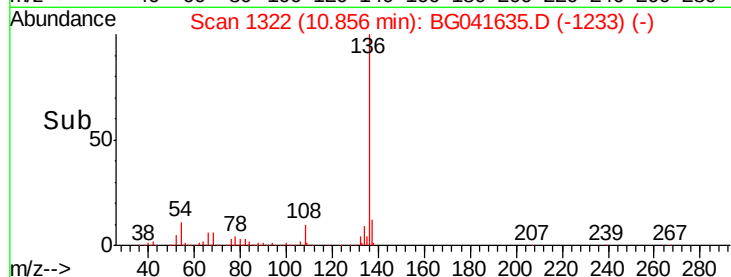
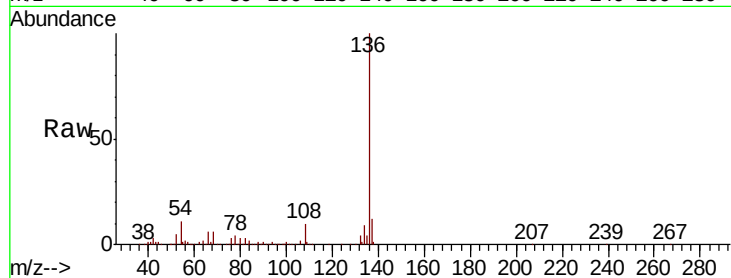




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

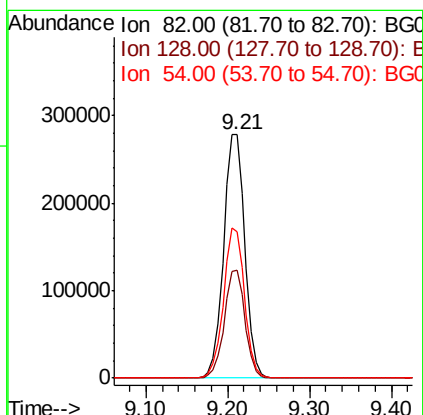
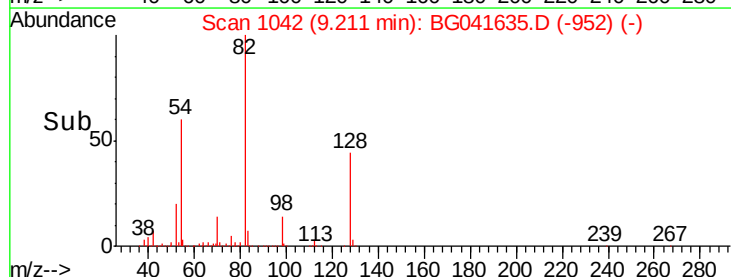
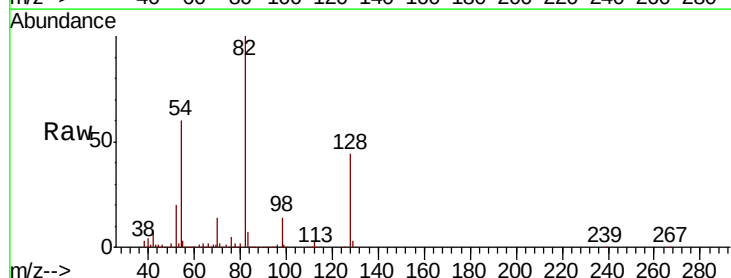
Instrument :
BNA_G
ClientSampleId :

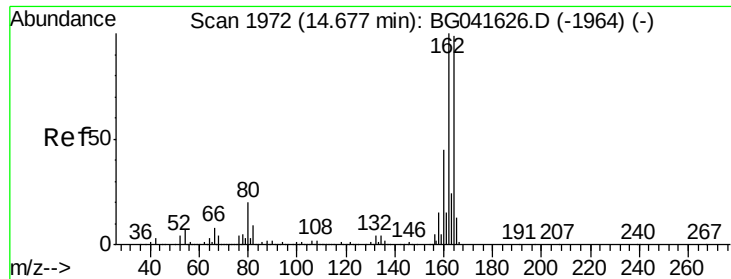
Tot Ion:136	Resp:	383135
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.8 13.2
54	10.9	6.4 9.6#
68	6.2	4.8 7.2



#23
Nitrobenzene-d5
Concen: 80.021 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 82	Resp:	503067
Ion Ratio	Lower	Upper
82	100	
128	44.3	29.2 43.8#
54	60.0	43.4 65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BG041635.D

Acq: 12 Jul 2019 11:45

Instrument :

BNA_G

ClientSampleId :

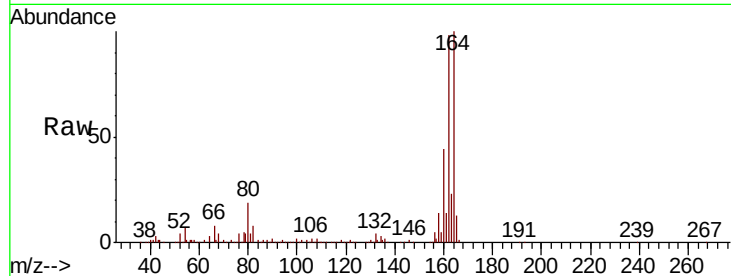
Tot Ion:164 Resp: 250835

Ion Ratio Lower Upper

164 100

162 98.4 82.8 124.2

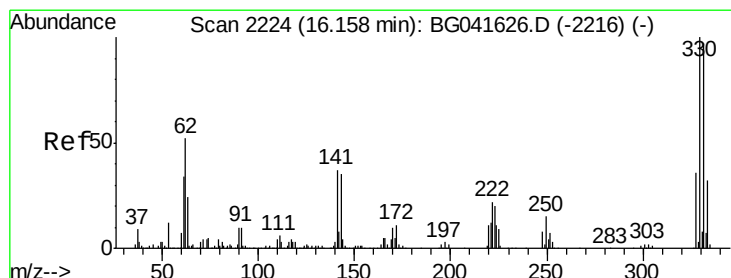
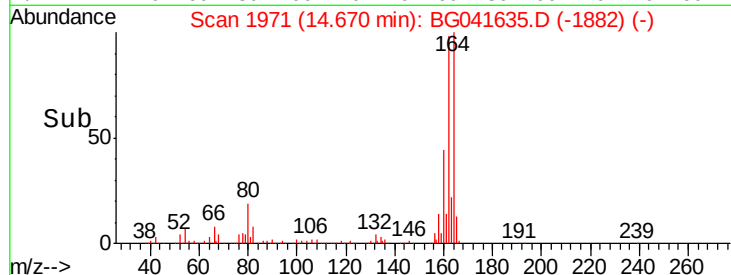
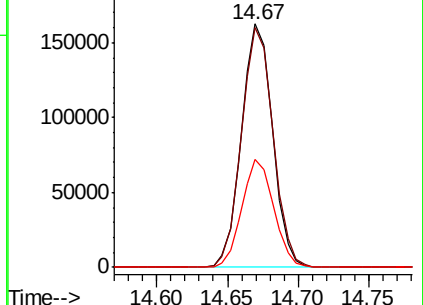
160 44.2 35.8 53.8



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: 115.614 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG041635.D

Acq: 12 Jul 2019 11:45

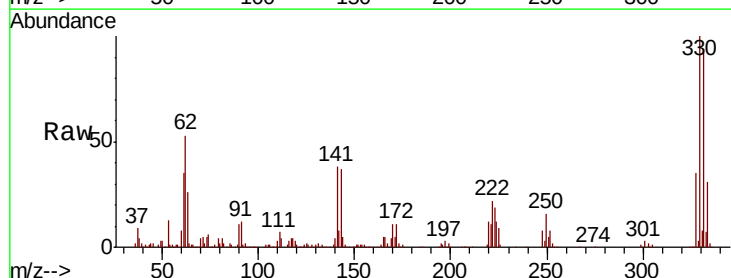
Tgt Ion:330 Resp: 331622

Ion Ratio Lower Upper

330 100

332 96.1 75.5 113.3

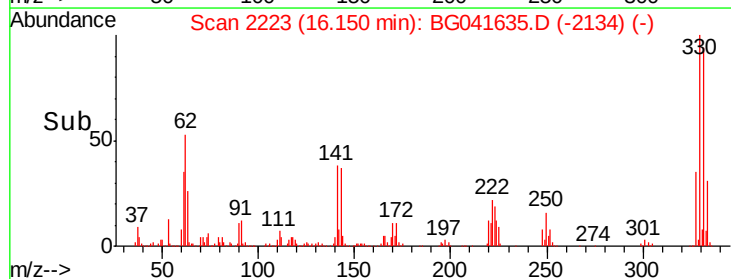
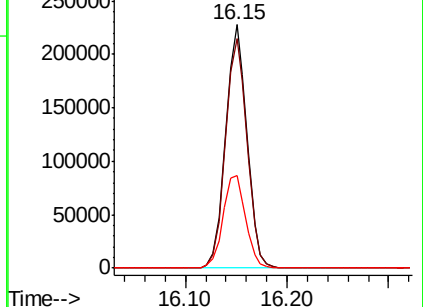
141 40.2 29.0 43.4

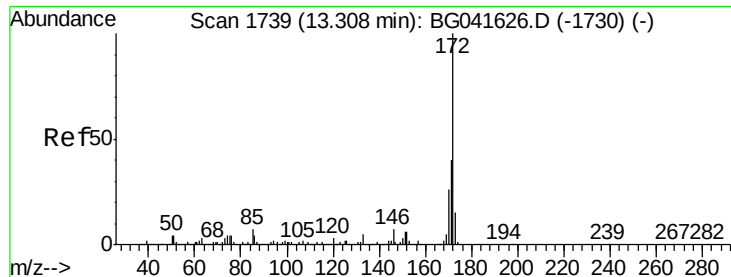


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

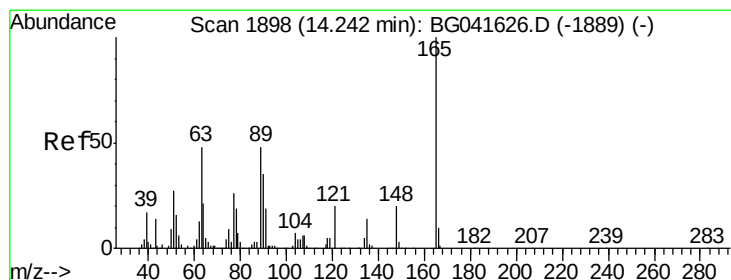
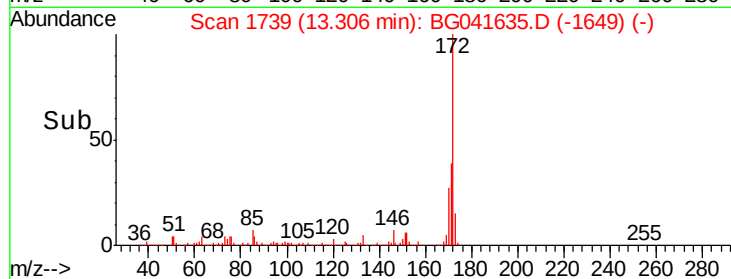
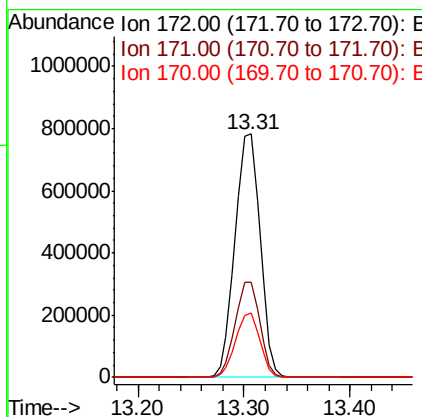
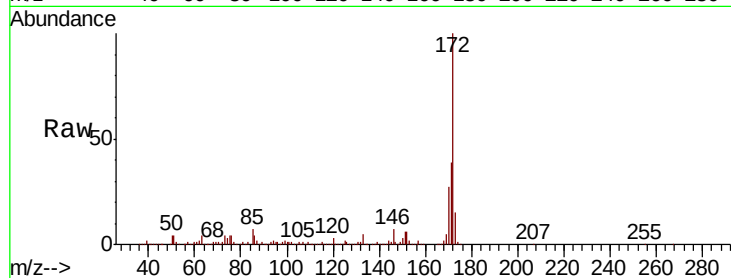




#45
2-Fluorobiphenyl
Concen: 80.565 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.00 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

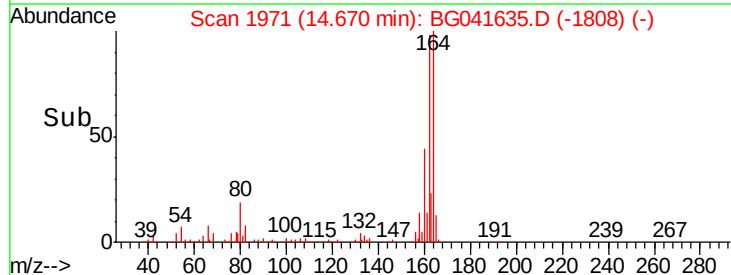
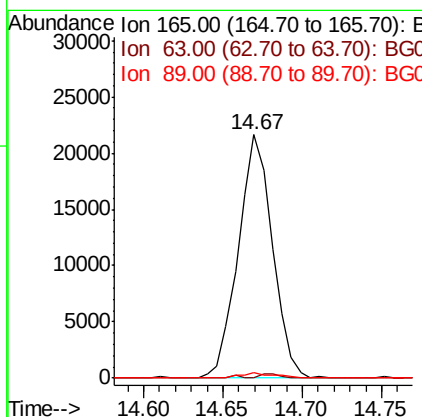
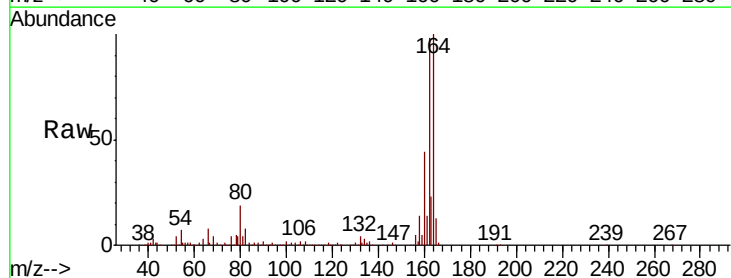
Instrument :
BNA_G
ClientSampled :

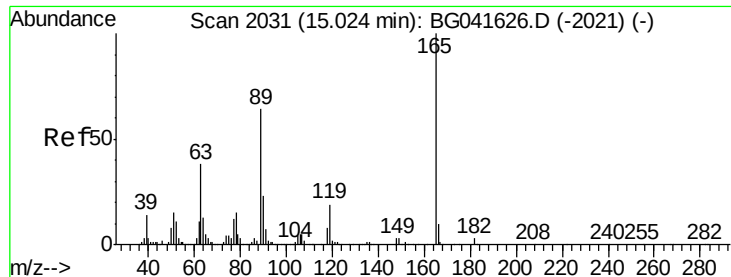
Tot Ion:172 Resp: 1285417
Ion Ratio Lower Upper
172 100
171 39.2 30.0 45.0
170 26.6 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.246 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.43 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

Tgt Ion:165 Resp: 32330
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.0#
89 2.4 56.5 84.7#

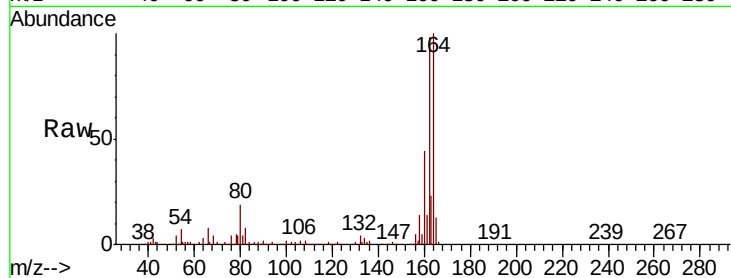




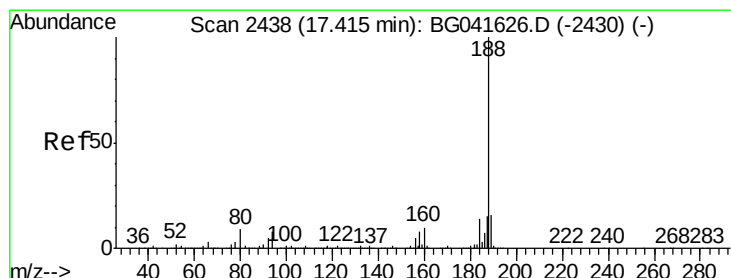
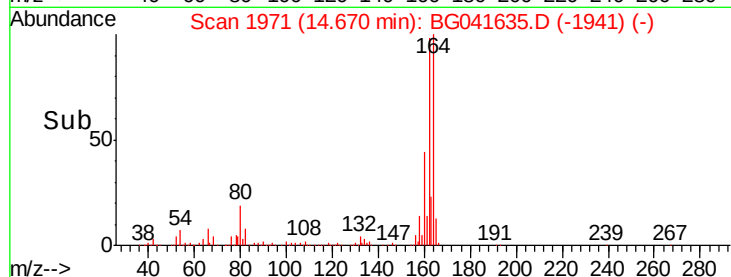
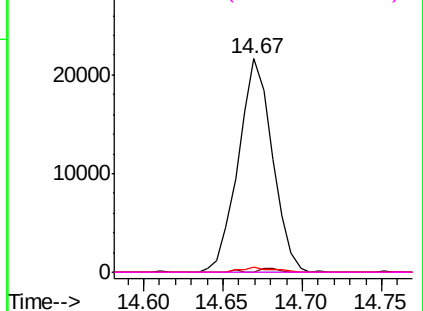
#57
2,4-Dinitrotoluene
Concen: 6.269 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.35 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165	Resp:	32330
Ion Ratio	Lower	Upper
165	100	
63	0.0	40.0
89	2.4	64.6
182	0.0	2.9
		4.3#

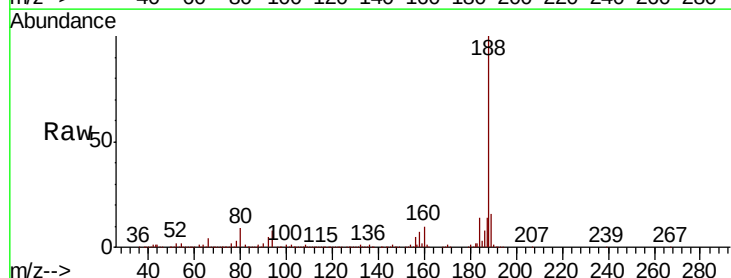


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

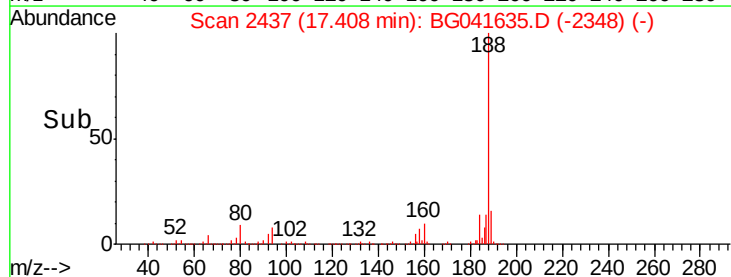
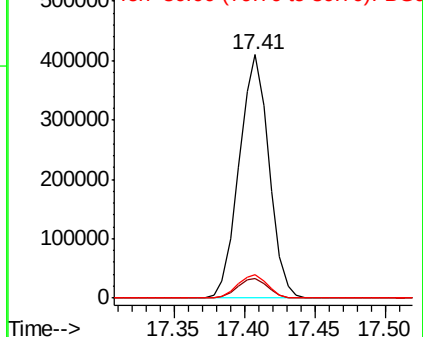


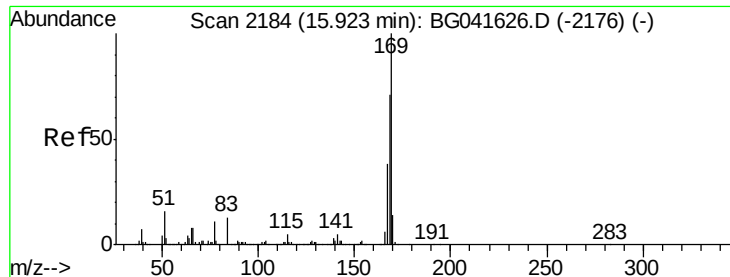
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

Tgt Ion:188	Resp:	604075
Ion Ratio	Lower	Upper
188	100	
94	8.3	3.6
80	9.4	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

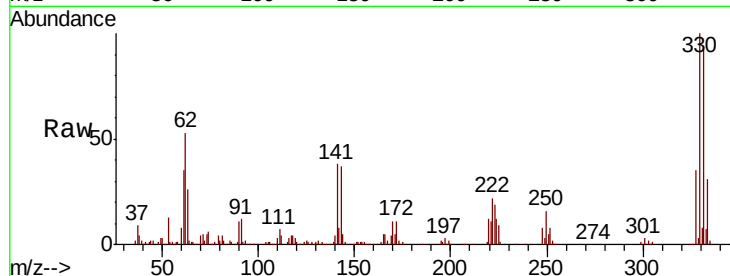




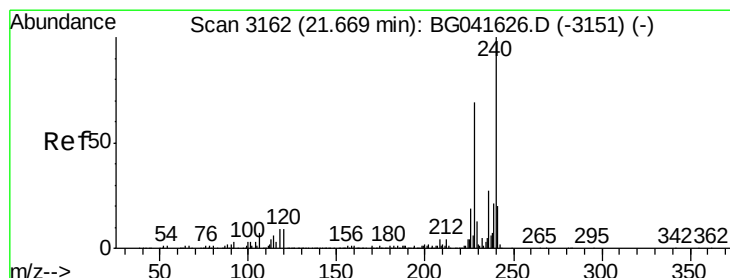
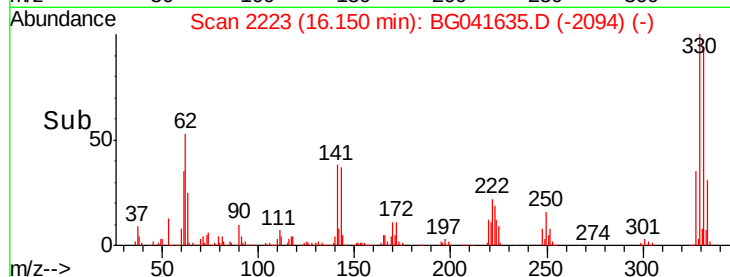
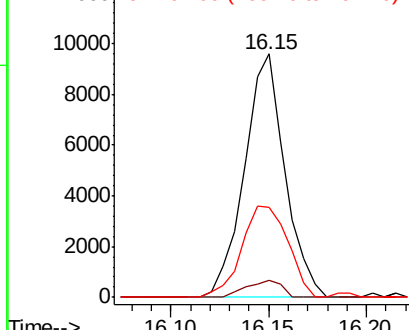
#66
 n-Nitrosodiphenylamine
 Concen: Below Cal
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.23 min
 Lab File: BG041635.D
 Acq: 12 Jul 2019 11:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 13753
 Ion Ratio Lower Upper
 169 100
 168 7.1 55.2 82.8#
 167 37.2 30.4 45.6

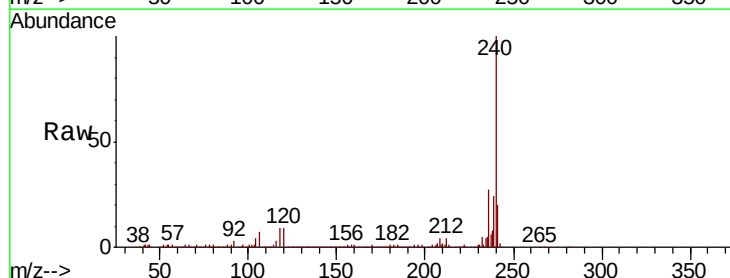


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

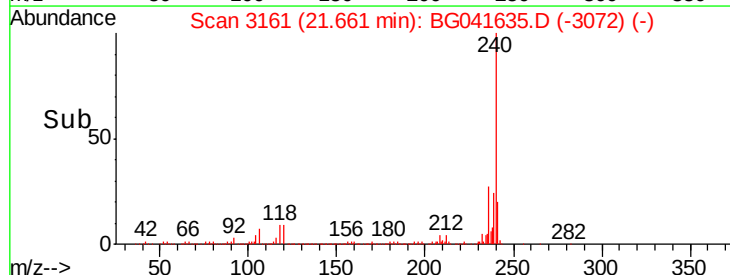
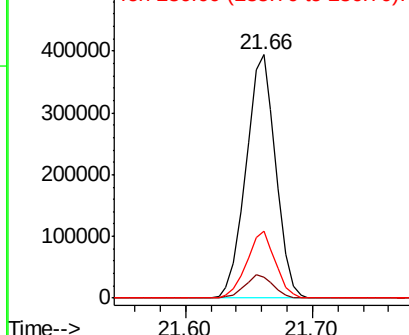


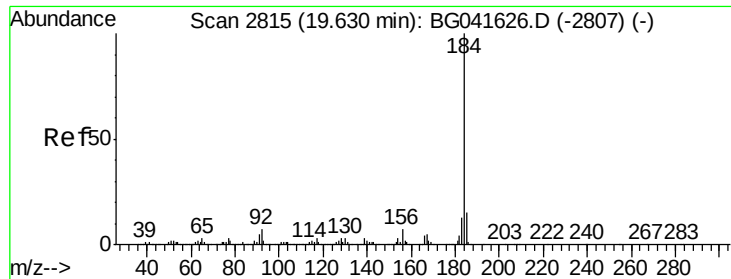
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG041635.D
 Acq: 12 Jul 2019 11:45

Tgt Ion:240 Resp: 638998
 Ion Ratio Lower Upper
 240 100
 120 8.8 3.7 5.5#
 236 27.5 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: 20.02 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG041635.D

Acq: 12 Jul 2019 11:45

Instrument :

BNA_G

ClientSampleId :

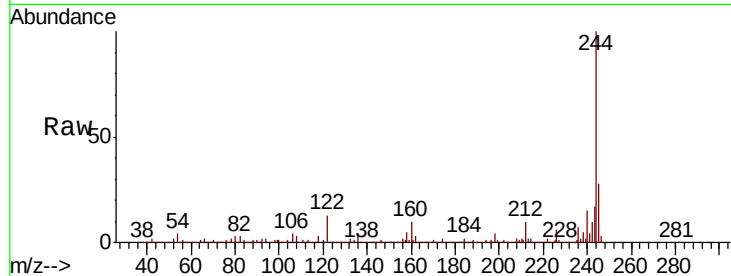
Tot Ion:184 Resp: 38468

Ion Ratio Lower Upper

184 100

185 15.5 12.2 18.2

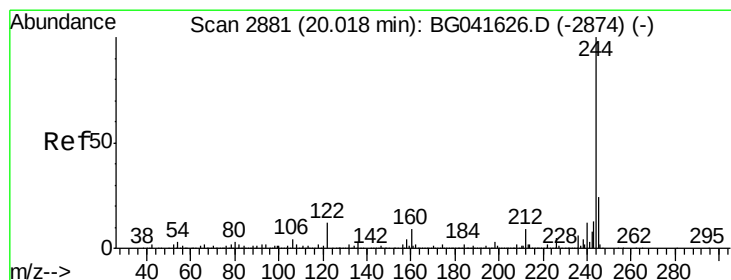
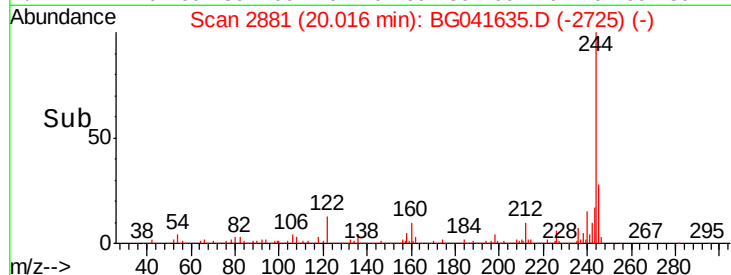
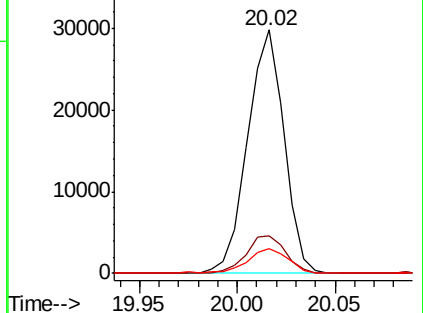
183 10.0 9.6 14.4



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: 80.641 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG041635.D

Acq: 12 Jul 2019 11:45

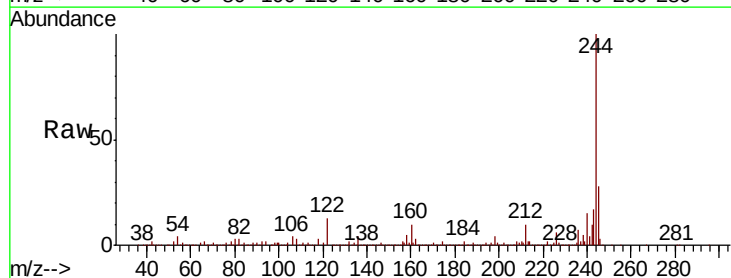
Tgt Ion:244 Resp: 2108355

Ion Ratio Lower Upper

244 100

212 10.5 6.6 10.0#

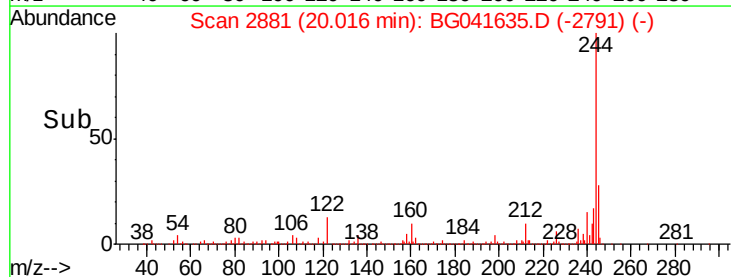
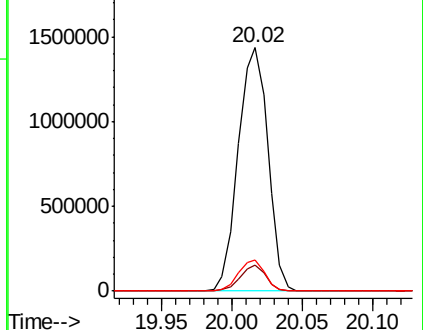
122 12.6 5.0 7.4#

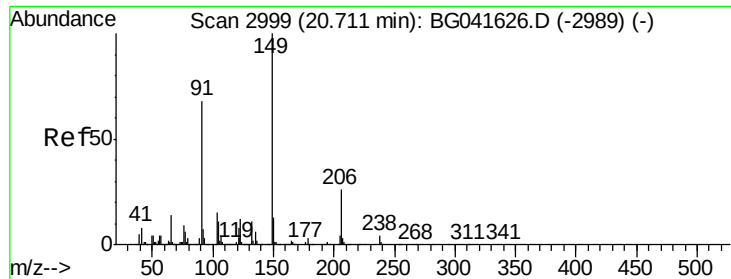


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

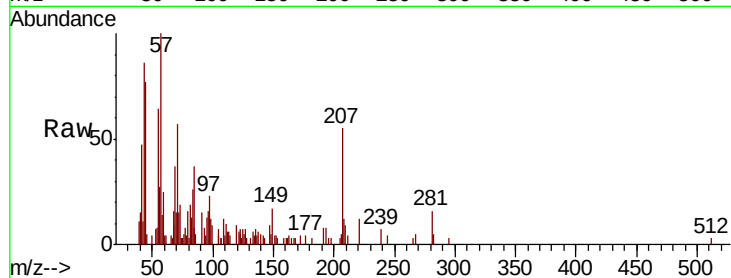




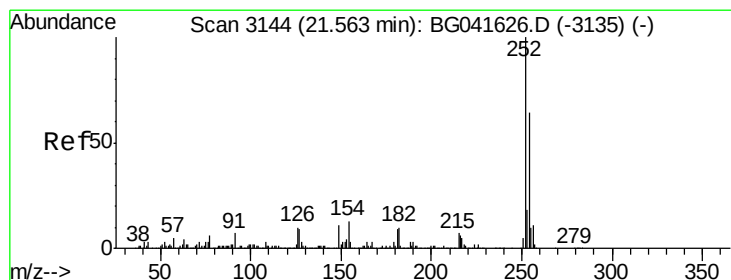
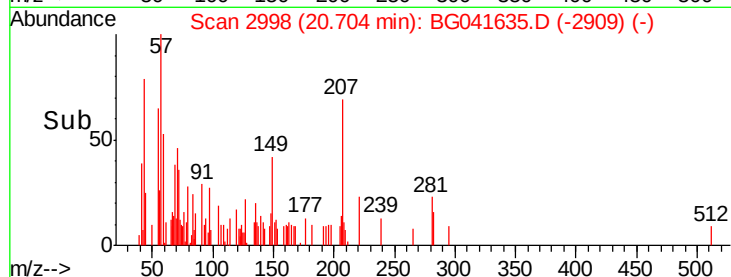
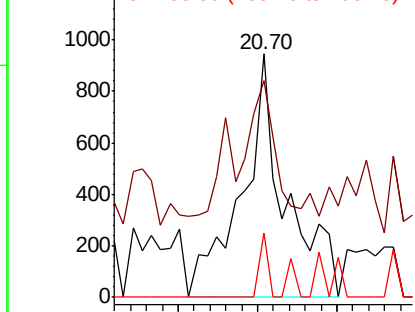
#80
Butylbenzylphthalate
Concen: Below Cal
RT: 20.70 min Scan# 2998
Delta R.T. -0.01 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 1788
Ion Ratio Lower Upper
149 100
91 89.0 53.2 79.8#
206 26.5 20.3 30.5

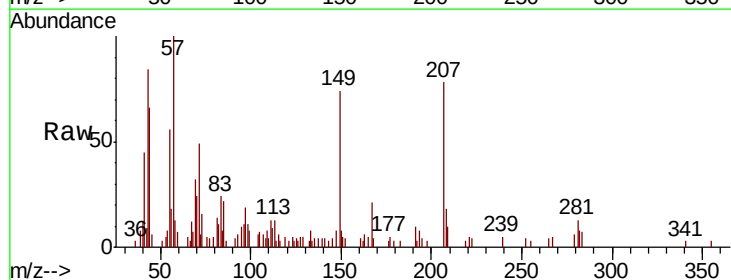


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

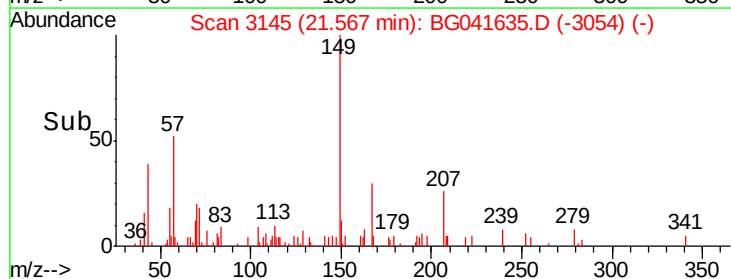
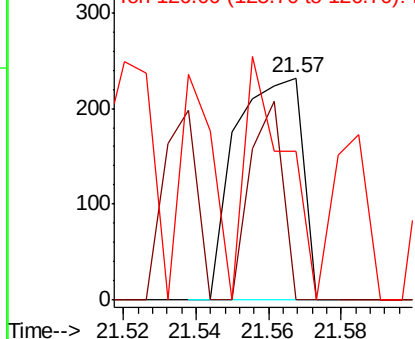


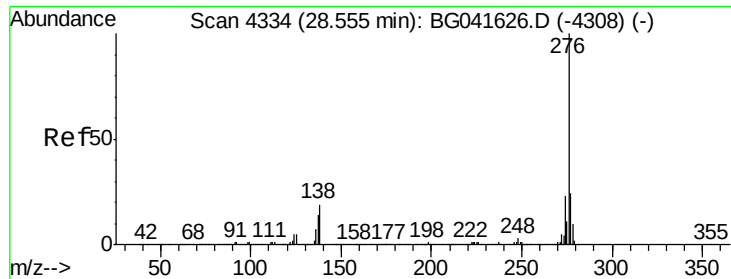
#82
3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 21.57 min Scan# 3145
Delta R.T. 0.00 min
Lab File: BG041635.D
Acq: 12 Jul 2019 11:45

Tgt Ion:252 Resp: 296
Ion Ratio Lower Upper
252 100
254 0.0 51.4 77.0#
126 66.8 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

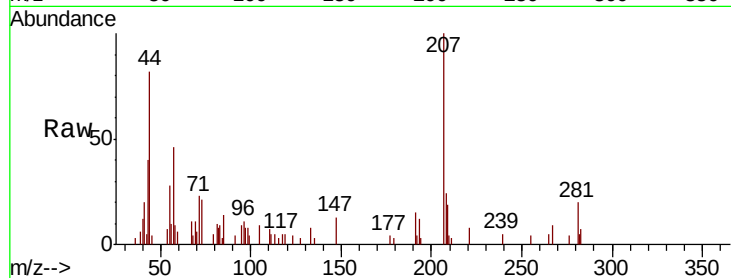




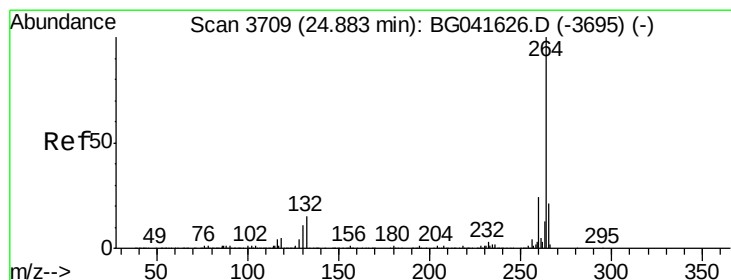
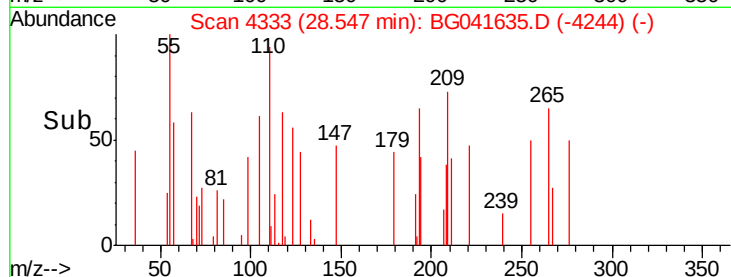
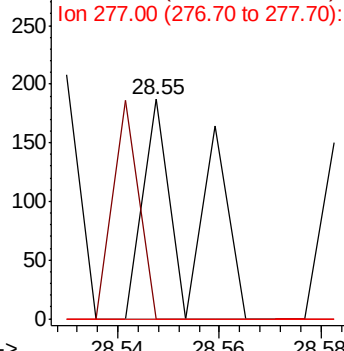
#86
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 28.55 min Scan# 4333
 Delta R.T. -0.01 min
 Lab File: BG041635.D
 Acq: 12 Jul 2019 11:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:276 Resp: 124
 Ion Ratio Lower Upper
 276 100
 138 53.2 7.7 11.5#
 277 0.0 20.6 31.0#

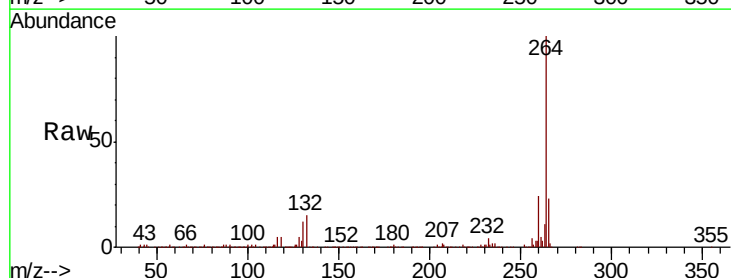


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.03 min
 Lab File: BG041635.D
 Acq: 12 Jul 2019 11:45

Tgt Ion:264 Resp: 713997
 Ion Ratio Lower Upper
 264 100
 260 24.5 17.4 26.2
 265 22.5 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

