

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061719\
 Data File : BG041286.D
 Acq On : 18 Jun 2019 00:45
 Operator : HP/JU
 Sample : K3366-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 07:46:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	34025	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	134835	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	98774	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	238379	20.00	ng	0.00
76) Chrysene-d12	21.73	240	245266	20.00	ng	0.00
87) Perylene-d12	25.04	264	258594	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	2968	1.60	ng	0.00
7) Phenol-d6	7.24	99	5221	1.95	ng	0.00
23) Nitrobenzene-d5	9.26	82	139928	43.64	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	5639	3.72	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	504194	69.38	ng	0.00
79) Terphenyl-d14	20.06	244	850628	68.73	ng	0.00

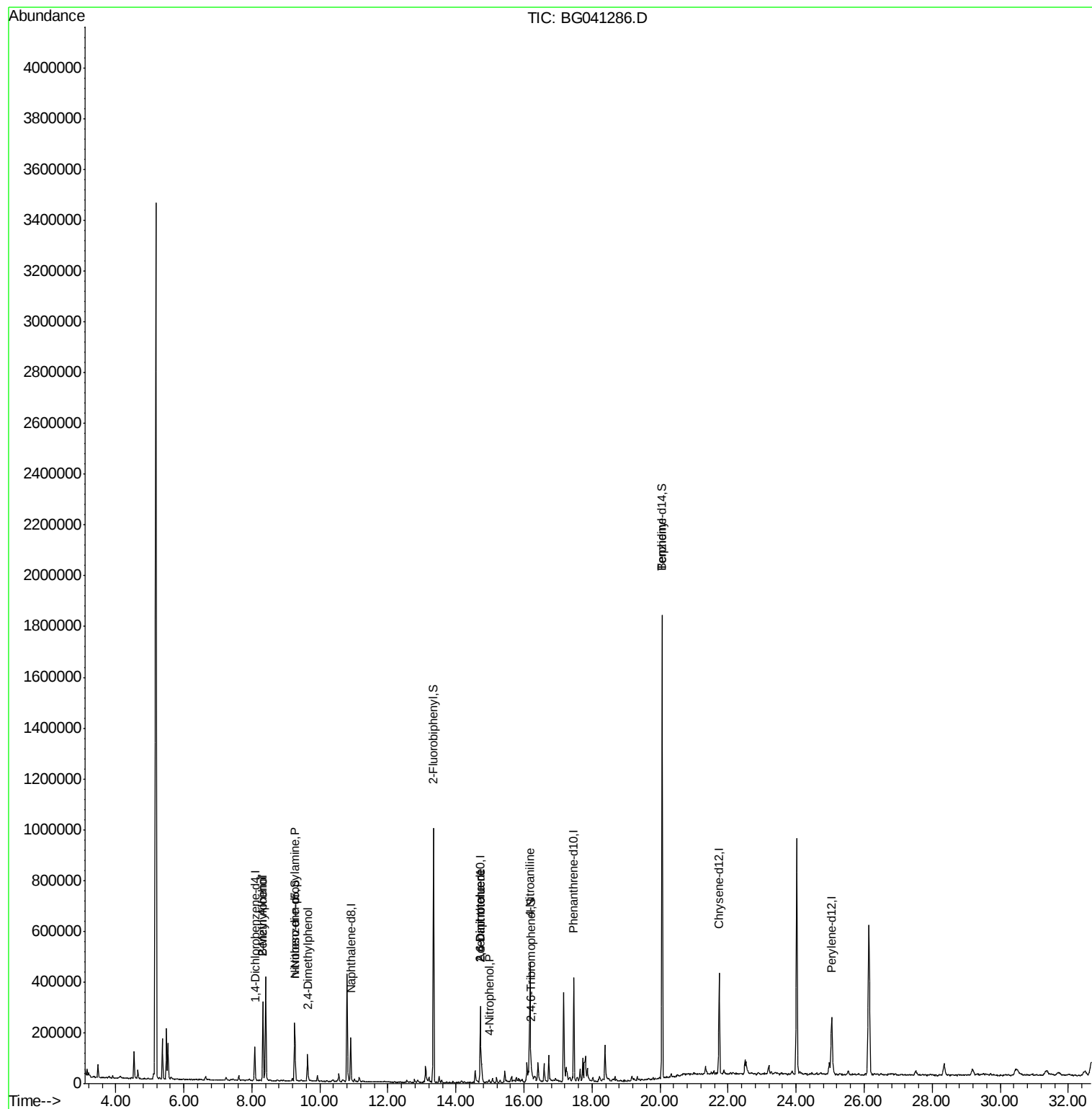
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.33	79	112106	43.591	ng	97
17) 2-Methylphenol	8.33	107	54499	26.410	ng	# 16
19) n-Nitroso-di-n-propylamine	9.26	70	20019	9.221	ng	# 80
27) 2,4-Dimethylphenol	9.64	122	13232	6.753	ng	# 1
51) 2,6-Dinitrotoluene	14.72	165	12568	6.782	ng	# 16
56) 4-Nitrophenol	14.97	139	179	3.340	ng	# 19
57) 2,4-Dinitrotoluene	14.72	165	12568	4.640	ng	# 20
62) 4-Nitroaniline	16.17	138	14043	7.192	ng	# 19
77) Benzidine	20.06	184	13252	2.234	ng	# 90

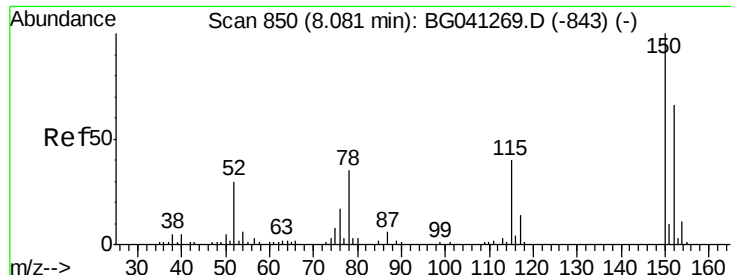
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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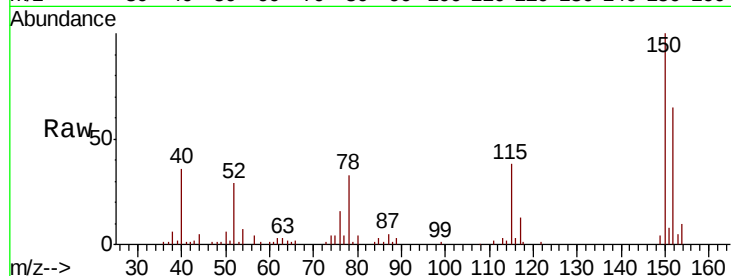


#1

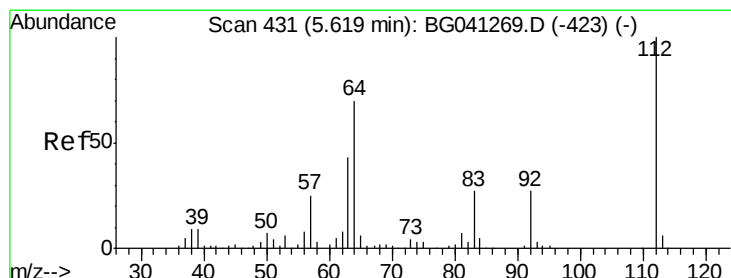
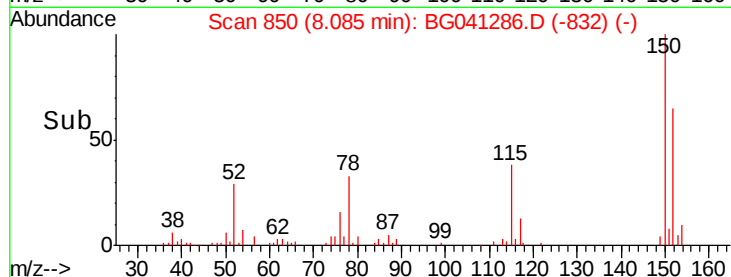
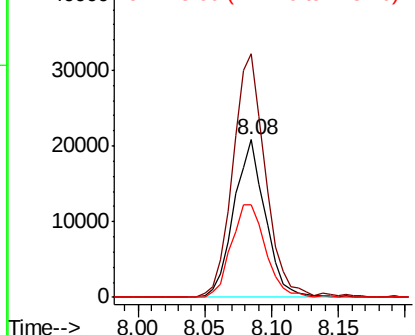
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041286.D
Acq: 18 Jun 2019 00:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34025
Ion Ratio Lower Upper
152 100
150 154.6 120.6 181.0
115 59.0 47.9 71.9



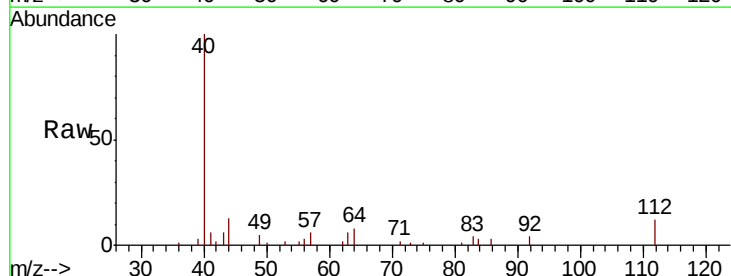
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



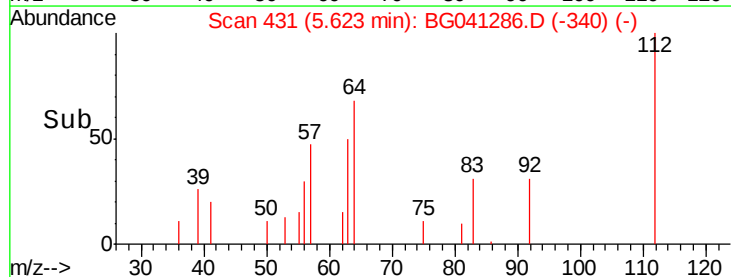
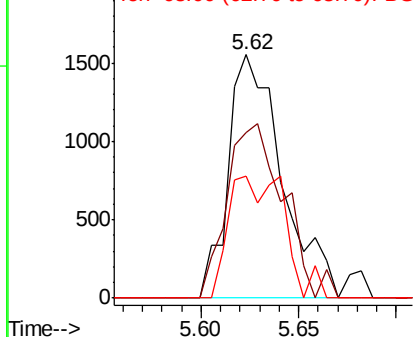
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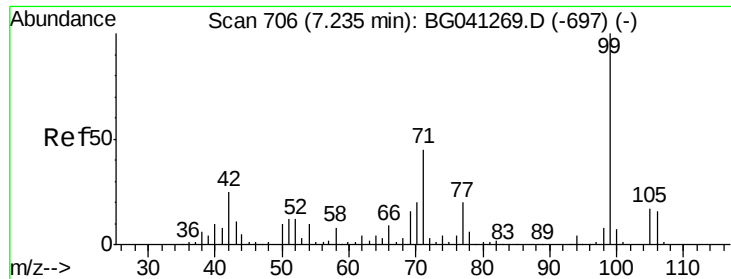
2-Fluorophenol
Concen: 1.603 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041286.D
Acq: 18 Jun 2019 00:45

Tgt Ion:112 Resp: 2968
Ion Ratio Lower Upper
112 100
64 68.1 55.9 83.9
63 50.2 34.6 51.8



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





#7

Phenol-d6

Concen: 1.945 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041286.D

Acq: 18 Jun 2019 00:45

Instrument :

BNA_G

ClientSampleId :

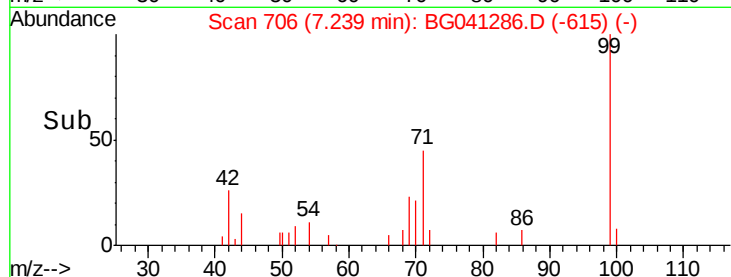
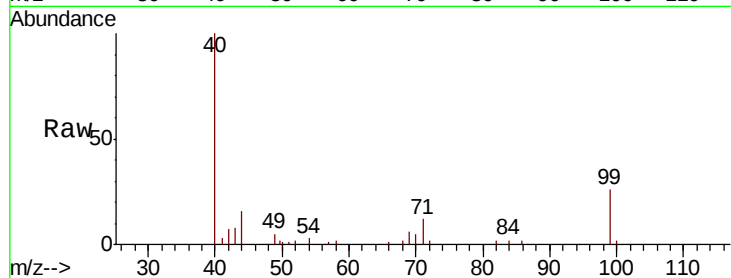
Tot Ion: 99 Resp: 5221

Ion Ratio Lower Upper

99 100

42 26.0 19.9 29.9

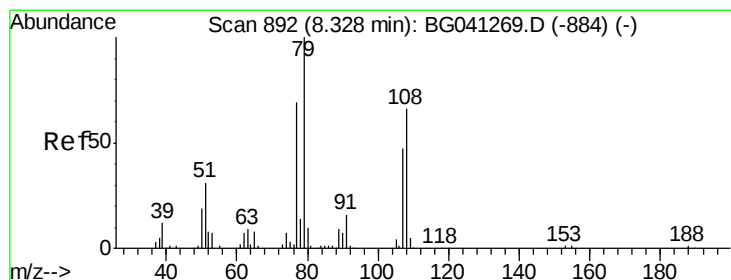
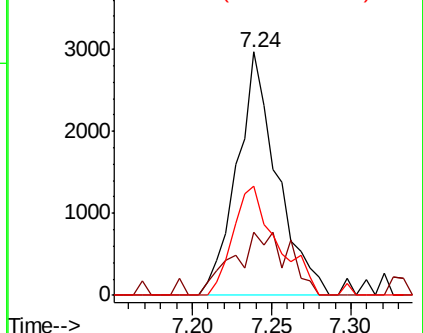
71 44.9 36.4 54.6



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



#15

Benzyl Alcohol

Concen: 43.591 ng

RT: 8.33 min Scan# 891

Delta R.T. -0.00 min

Lab File: BG041286.D

Acq: 18 Jun 2019 00:45

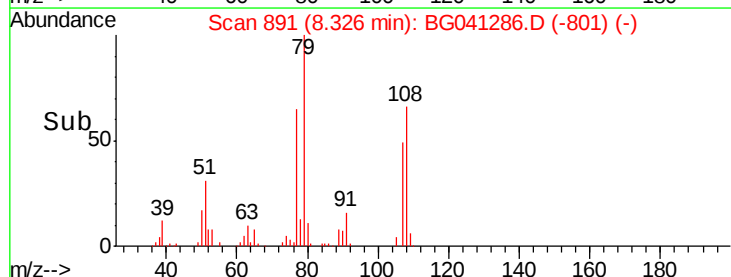
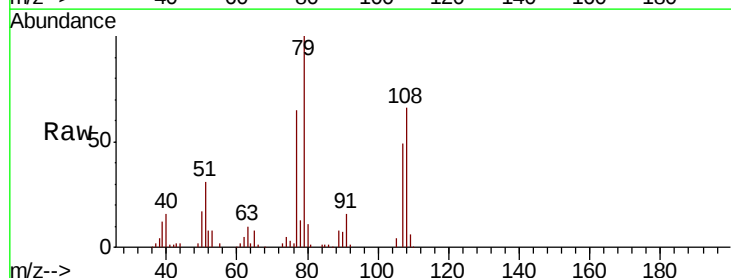
Tgt Ion: 79 Resp: 112106

Ion Ratio Lower Upper

79 100

108 66.2 52.7 79.1

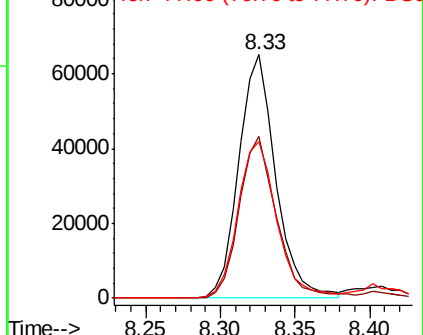
77 64.6 55.2 82.8

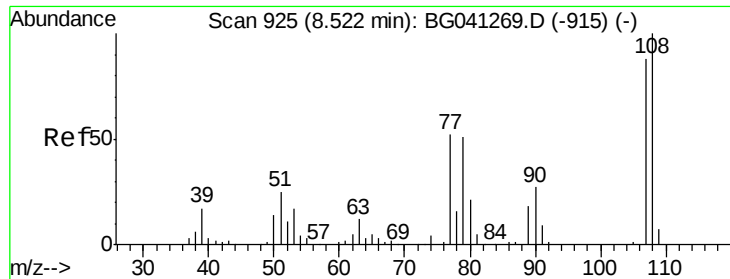


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

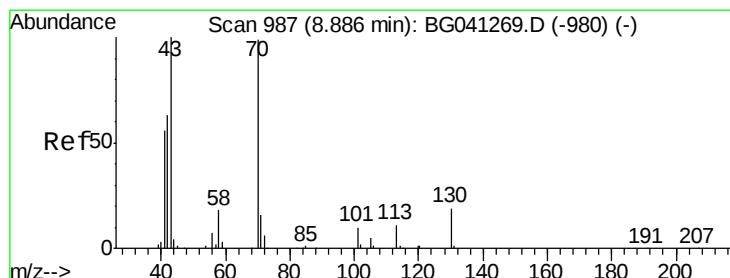
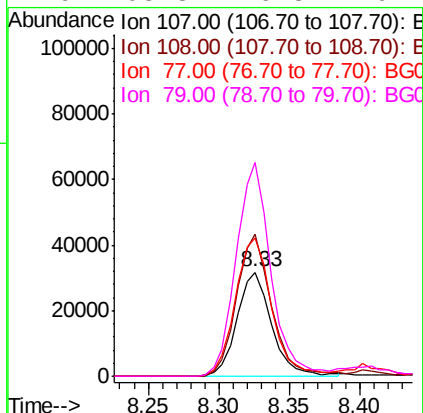
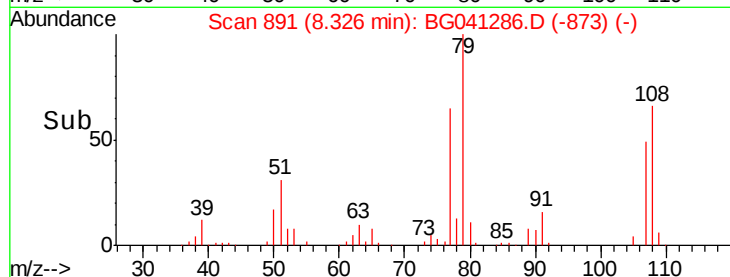
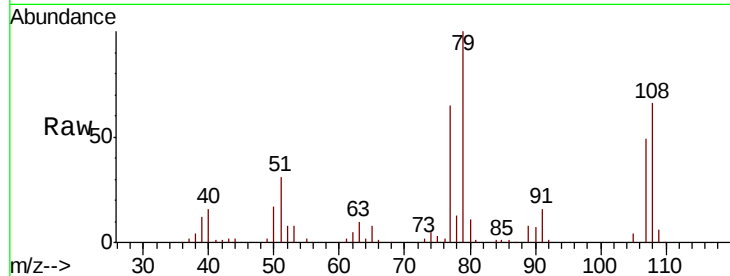




#17
2-Methylphenol
Concen: 26.410 ng
RT: 8.33 min Scan# 891
Delta R.T. -0.20 min
Lab File: BG041286.D
Acq: 18 Jun 2019 00:45

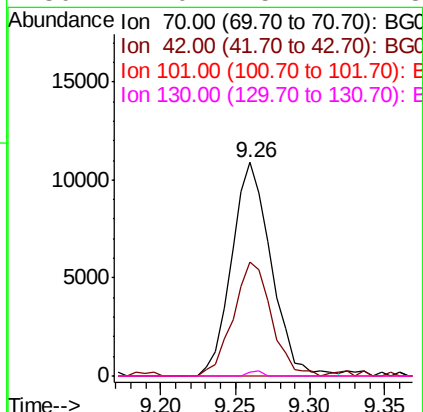
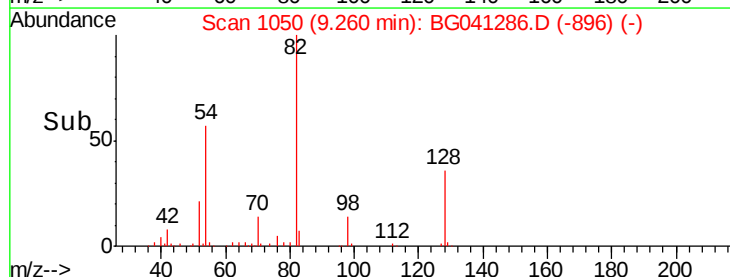
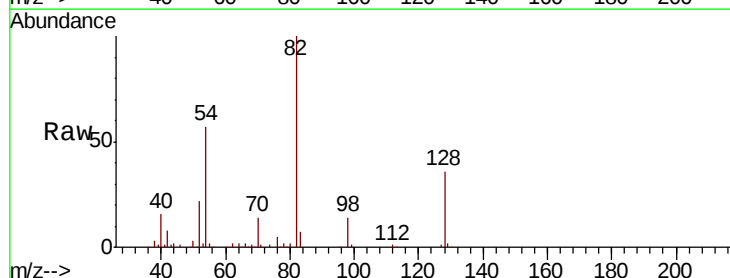
Instrument :
BNA_G
ClientSampled :

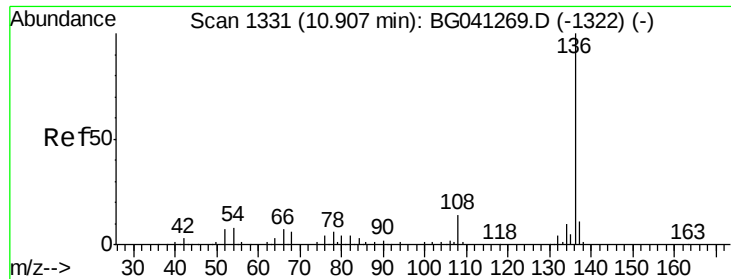
Tot Ion:107 Resp: 54499
Ion Ratio Lower Upper
107 100
108 136.3 91.7 137.5
77 132.9 47.8 71.8#
79 205.8 46.8 70.2#



#19
n-Nitroso-di-n-propylamine
Concen: 9.221 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.37 min
Lab File: BG041286.D
Acq: 18 Jun 2019 00:45

Tgt Ion: 70 Resp: 20019
Ion Ratio Lower Upper
70 100
42 53.2 51.4 77.2
101 0.0 8.2 12.2#
130 2.0 15.2 22.8#

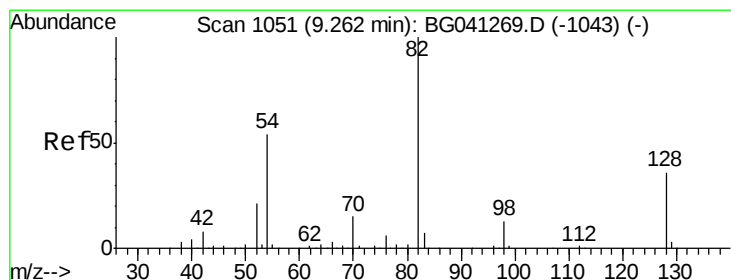
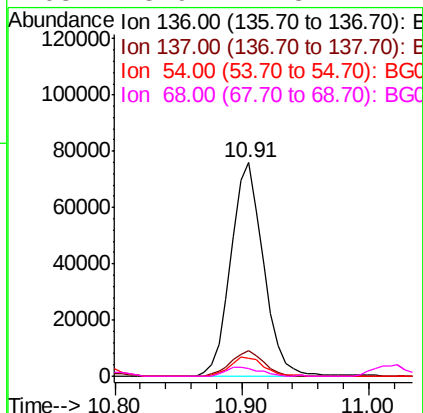
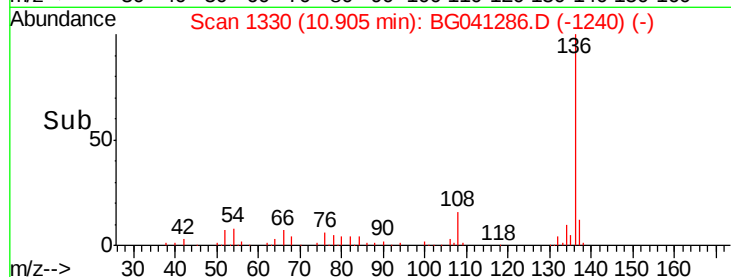
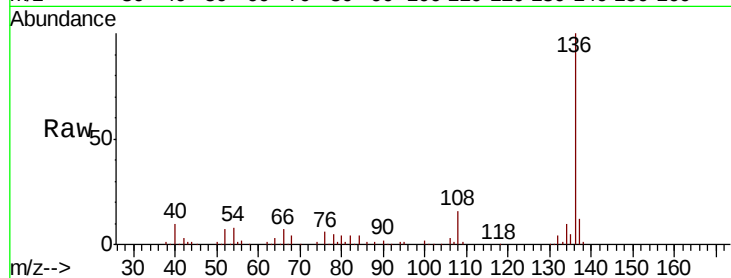




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041286.D
Acq: 18 Jun 2019 00:45

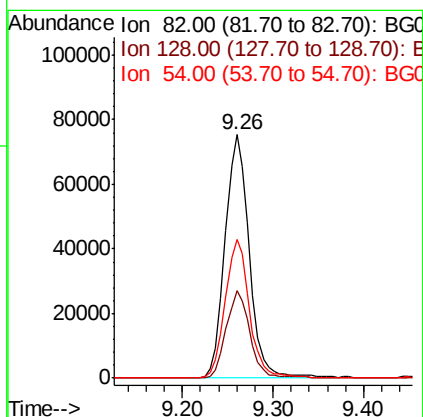
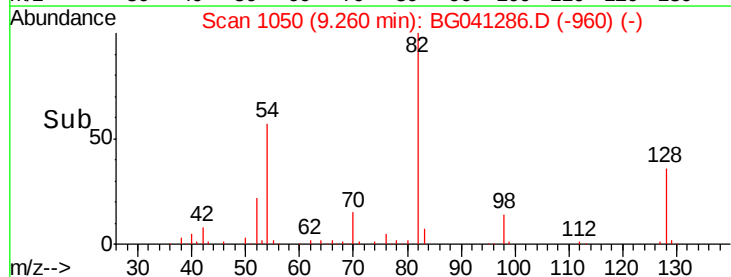
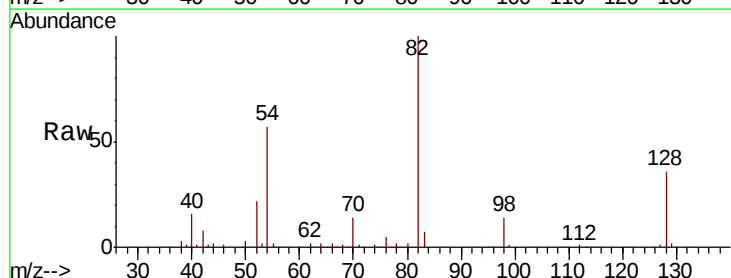
Instrument :
BNA_G
ClientSampled :

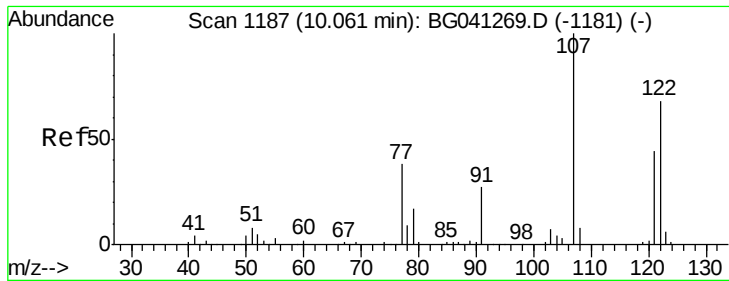
Tot Ion:136	Resp:	134835
Ion Ratio	Lower	Upper
136	100	
137	11.9	8.8 13.2
54	8.1	6.4 9.6
68	3.9	4.8 7.2#



#23
Nitrobenzene-d5
Concen: 43.645 ng
RT: 9.26 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BG041286.D
Acq: 18 Jun 2019 00:45

Tgt Ion: 82	Resp:	139928
Ion Ratio	Lower	Upper
82	100	
128	36.0	29.2 43.8
54	56.8	43.4 65.0

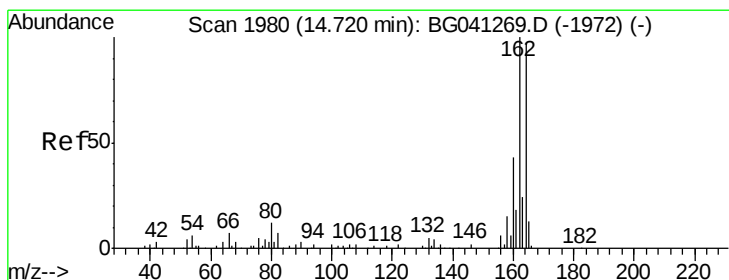
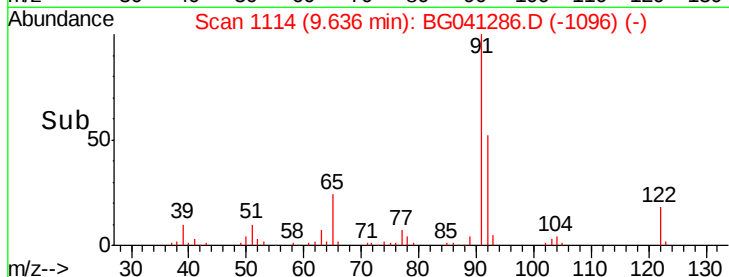
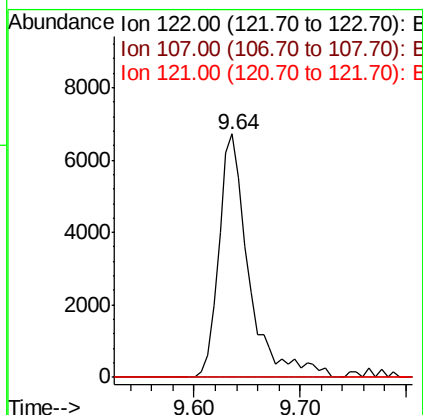
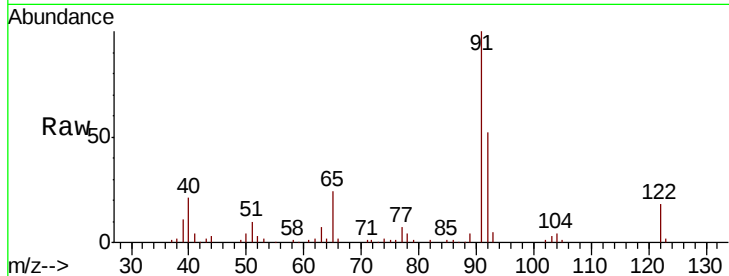




#27
 2,4-Dimethylphenol
 Concen: 6.753 ng
 RT: 9.64 min Scan# 1114
 Delta R.T. -0.42 min
 Lab File: BG041286.D
 Acq: 18 Jun 2019 00:45

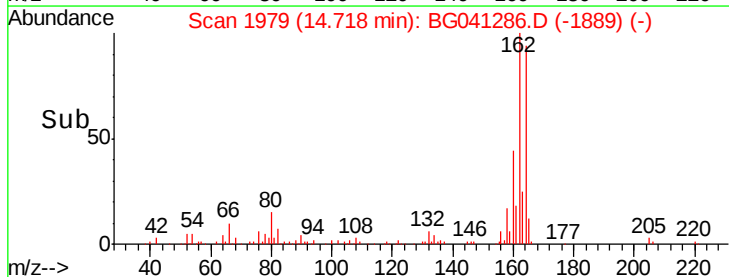
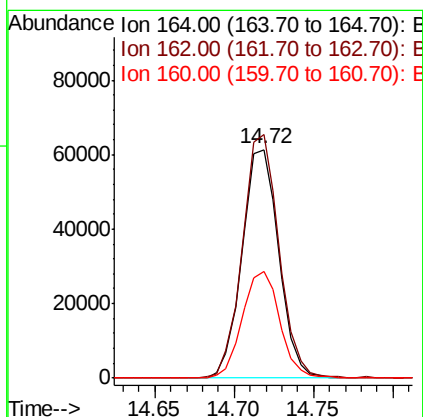
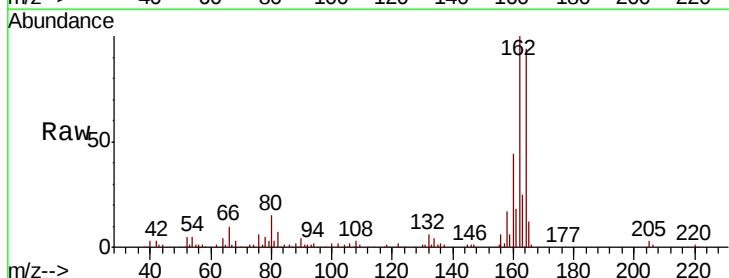
Instrument :
 BNA_G
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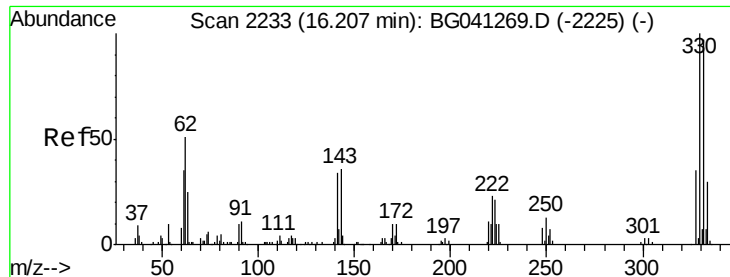
Tot Ion:122 Resp: 13232
 Ion Ratio Lower Upper
 122 100
 107 0.0 115.1 172.7#
 121 0.0 50.1 75.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: BG041286.D
 Acq: 18 Jun 2019 00:45

Tgt Ion:164 Resp: 98774
 Ion Ratio Lower Upper
 164 100
 162 106.7 82.8 124.2
 160 46.9 35.8 53.8

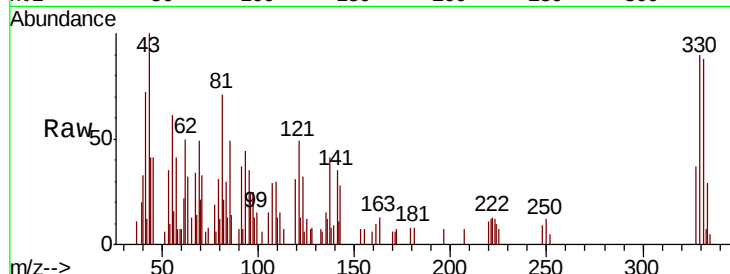




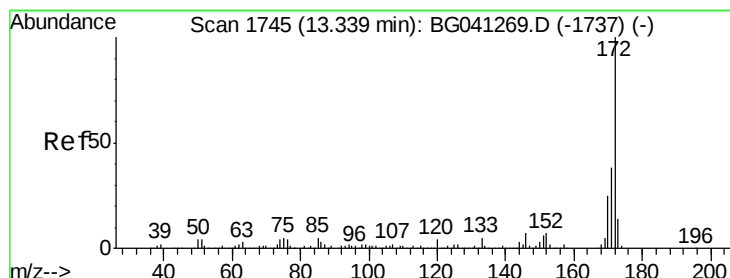
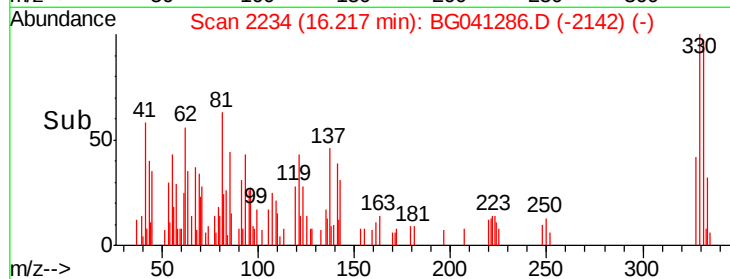
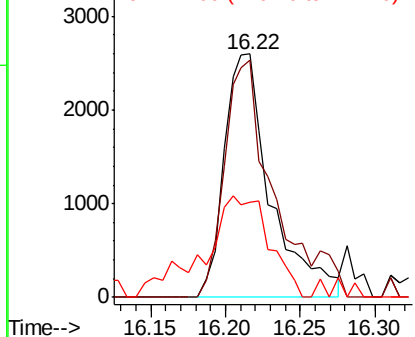
#42
 2,4,6-Tribromophenol
 Concen: 3.719 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. 0.01 min
 Lab File: BG041286.D
 Acq: 18 Jun 2019 00:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 5639
 Ion Ratio Lower Upper
 330 100
 332 103.5 75.5 113.3
 141 59.3 29.0 43.4#

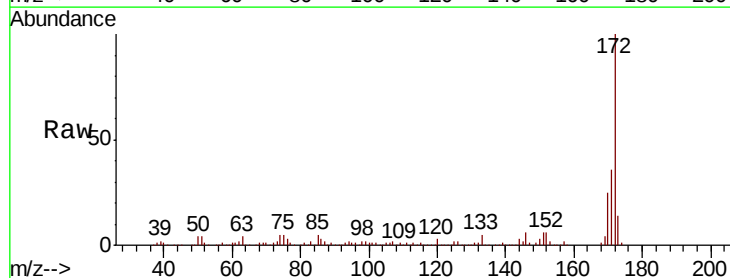


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

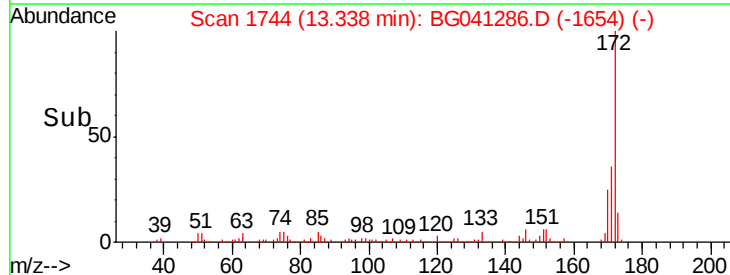
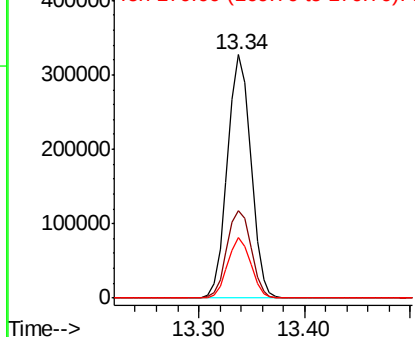


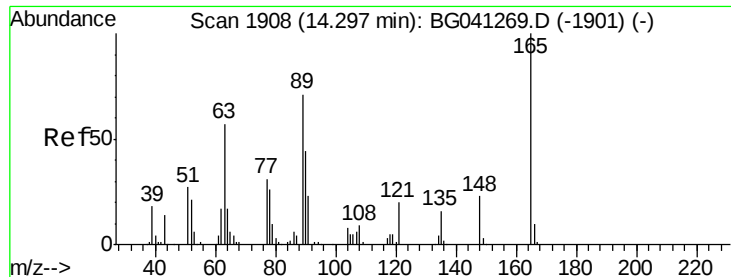
#45
 2-Fluorobiphenyl
 Concen: 69.378 ng
 RT: 13.34 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: BG041286.D
 Acq: 18 Jun 2019 00:45

Tgt Ion:172 Resp: 504194
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.0 45.0
 170 24.6 19.8 29.6



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

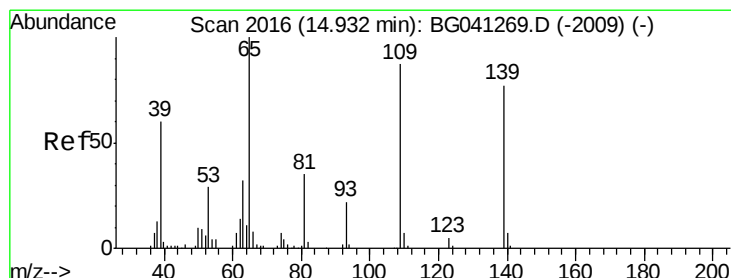
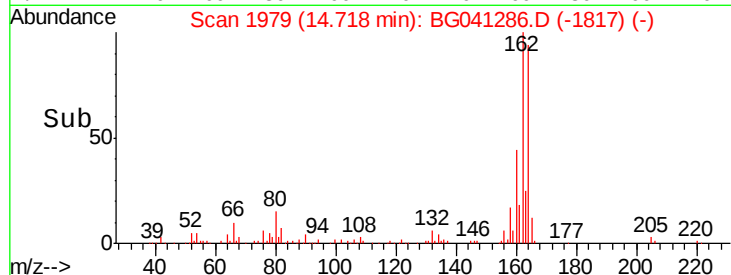
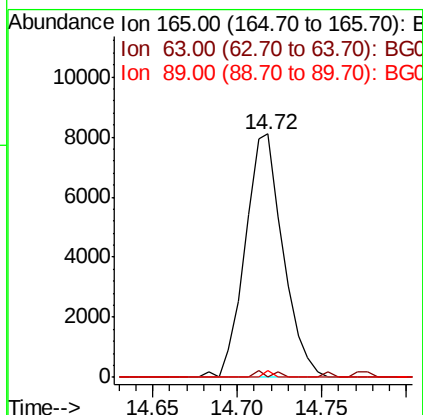
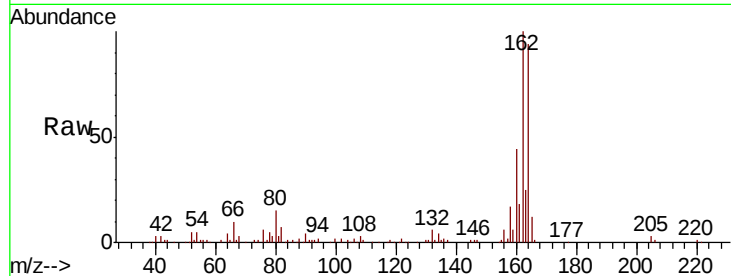




#51
 2,6-Dinitrotoluene
 Concen: 6.782 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.42 min
 Lab File: BG041286.D
 Acq: 18 Jun 2019 00:45

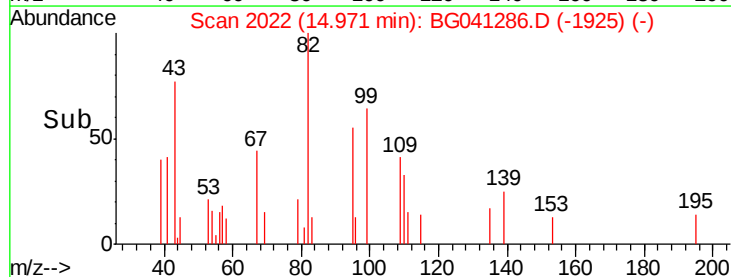
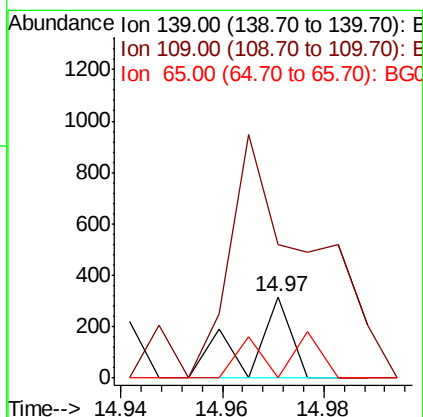
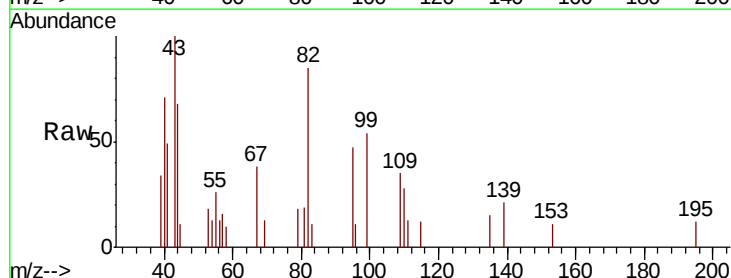
Instrument :
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 ClientSampled :

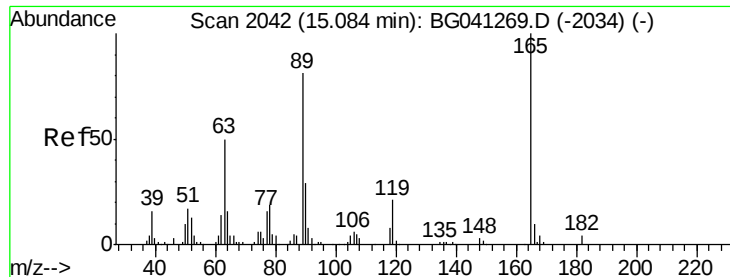
Tot Ion:165 Resp: 12568
 Ion Ratio Lower Upper
 165 100
 63 0.0 55.4 83.0#
 89 2.6 56.5 84.7#



#56
 4-Nitrophenol
 Concen: 3.340 ng
 RT: 14.97 min Scan# 2022
 Delta R.T. 0.04 min
 Lab File: BG041286.D
 Acq: 18 Jun 2019 00:45

Tgt Ion:139 Resp: 179
 Ion Ratio Lower Upper
 139 100
 109 163.4 93.2 133.2#
 65 0.0 110.2 150.2#

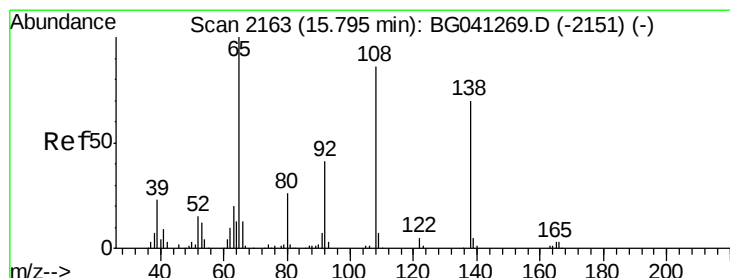
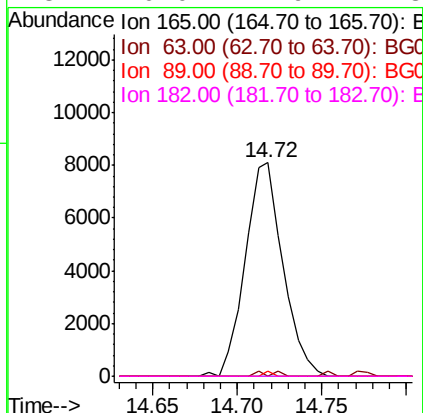
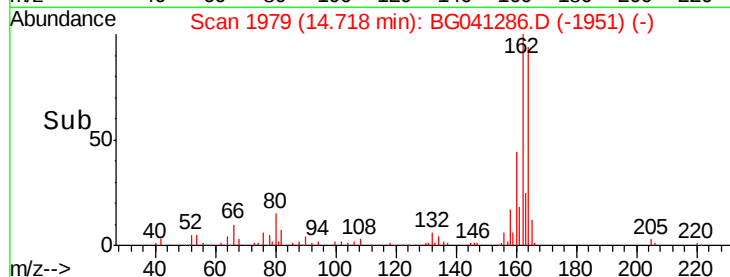
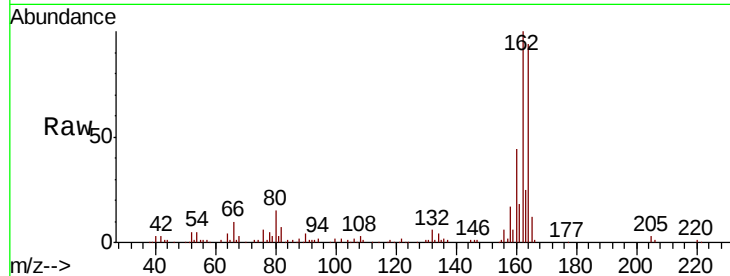




#57
 2,4-Dinitrotoluene
 Concen: 4.640 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.37 min
 Lab File: BG041286.D
 Acq: 18 Jun 2019 00:45

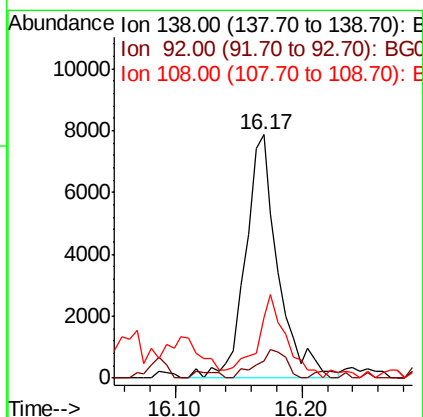
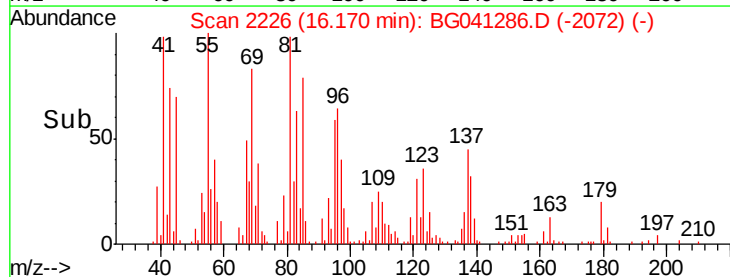
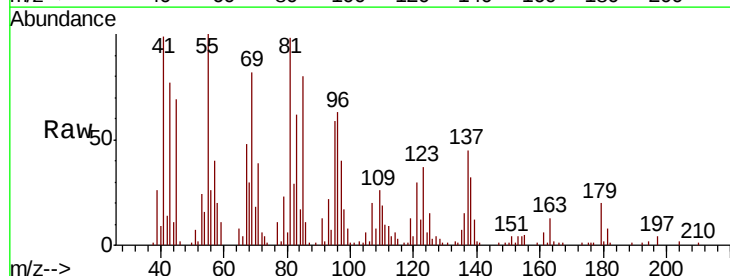
Instrument :
 BNA_G
 ClientSampleId :

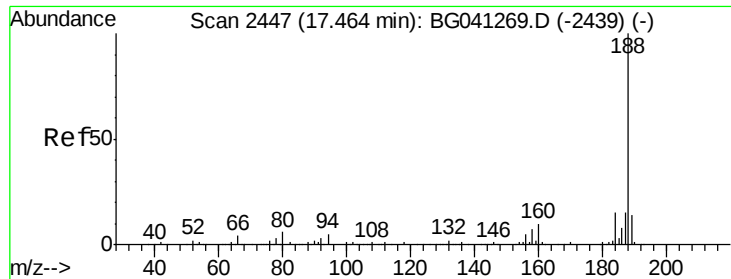
Tot Ion:	165	Resp:	12568
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	2.6	64.6	96.8#
182	0.0	2.9	4.3#



#62
 4-Nitroaniline
 Concen: 7.192 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. 0.37 min
 Lab File: BG041286.D
 Acq: 18 Jun 2019 00:45

Tgt Ion:	138	Resp:	14043
Ion	Ratio	Lower	Upper
138	100		
92	7.2	38.8	78.8#
108	24.9	103.4	143.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG041286.D

Acq: 18 Jun 2019 00:45

Instrument :

BNA_G

ClientSampleId :

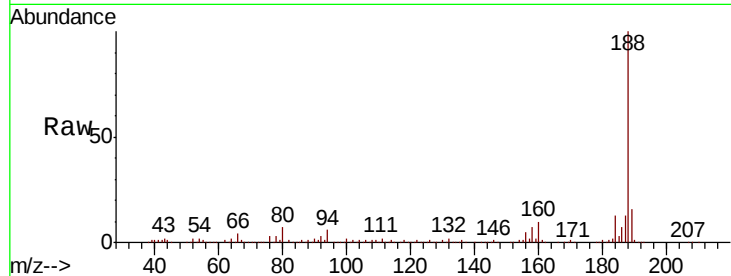
Tot Ion:188 Resp: 238379

Ion Ratio Lower Upper

188 100

94 5.5 3.6 5.4#

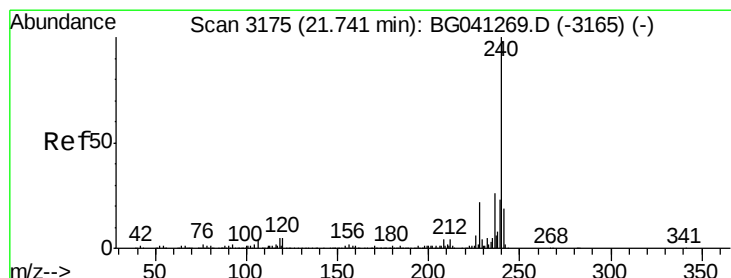
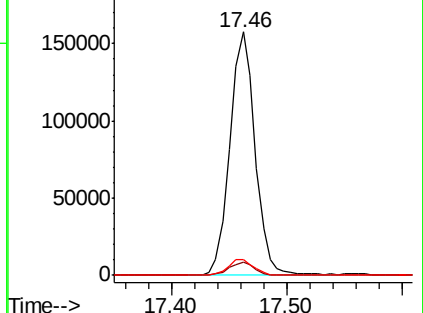
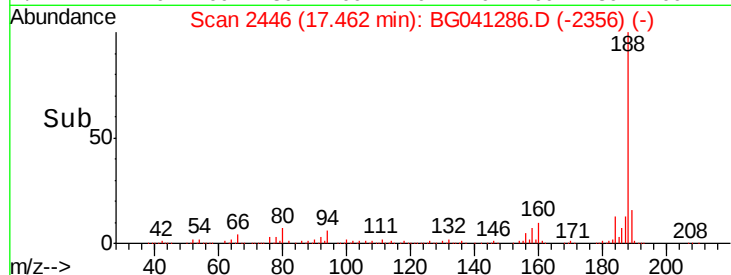
80 6.5 4.8 7.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG041286.D

Acq: 18 Jun 2019 00:45

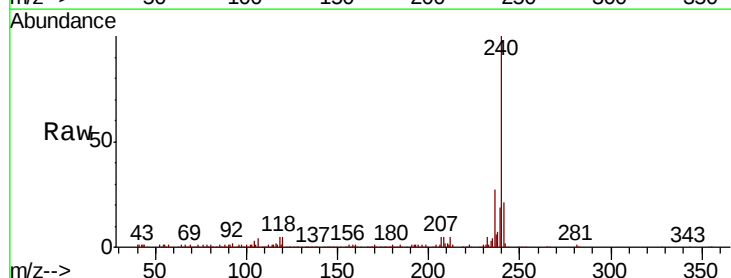
Tgt Ion:240 Resp: 245266

Ion Ratio Lower Upper

240 100

120 4.7 3.7 5.5

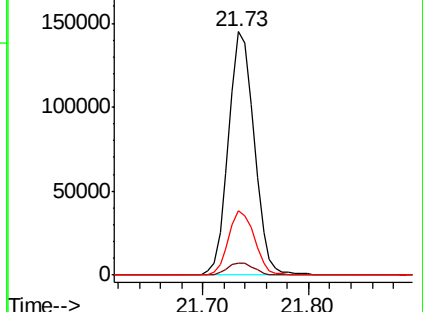
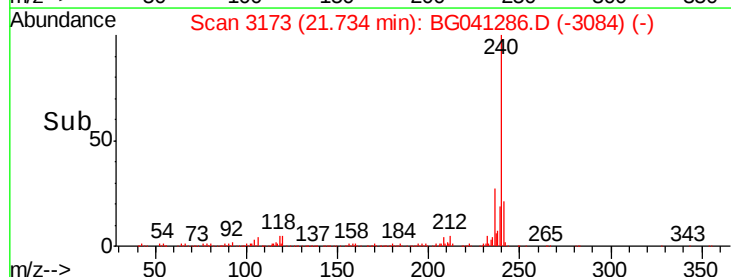
236 26.6 21.1 31.7

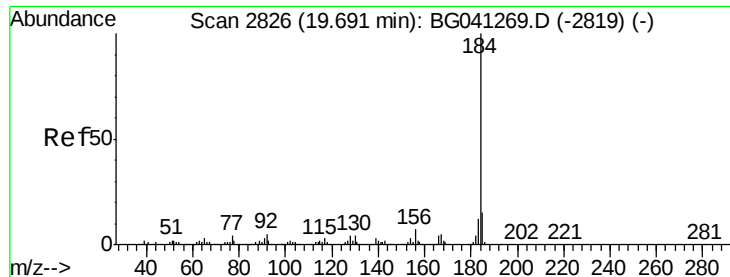


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.234 ng

RT: 20.06 min Scan# 2888

Delta R.T. 0.37 min

Lab File: BG041286.D

Acq: 18 Jun 2019 00:45

Instrument :

BNA_G

ClientSampleId :

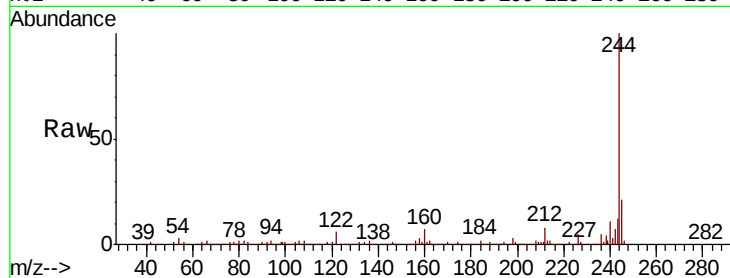
Tot Ion:184 Resp: 13252

Ion Ratio Lower Upper

184 100

185 21.9 12.2 18.2#

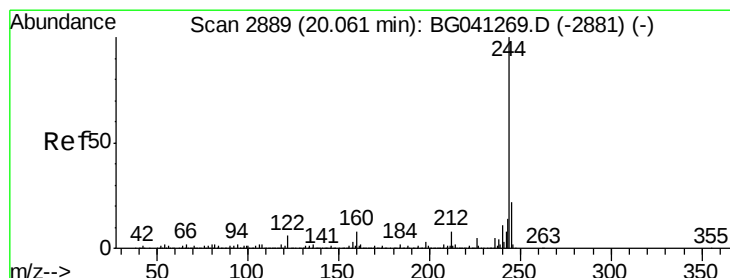
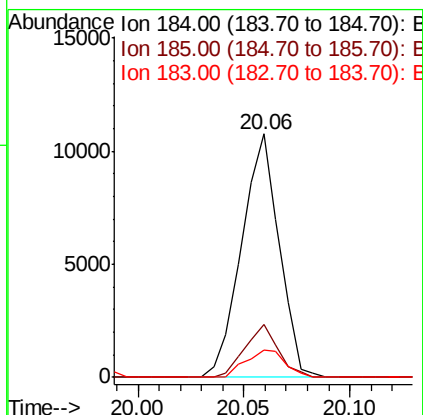
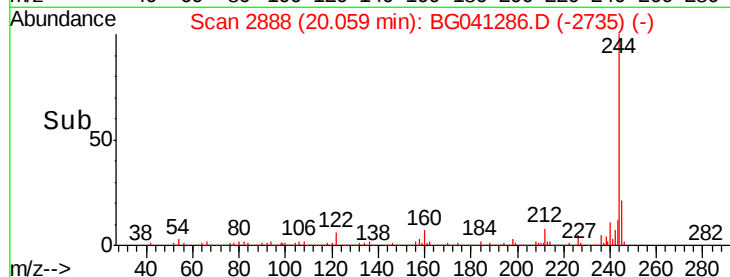
183 11.3 9.6 14.4



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: 68.732 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG041286.D

Acq: 18 Jun 2019 00:45

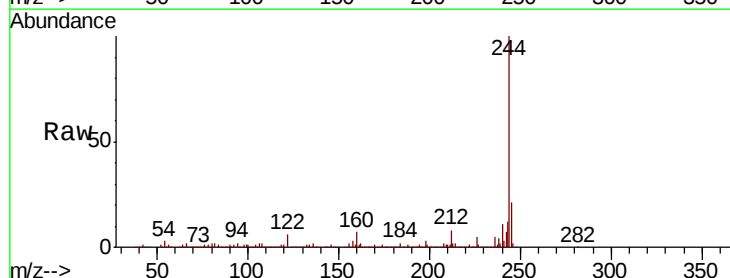
Tgt Ion:244 Resp: 850628

Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

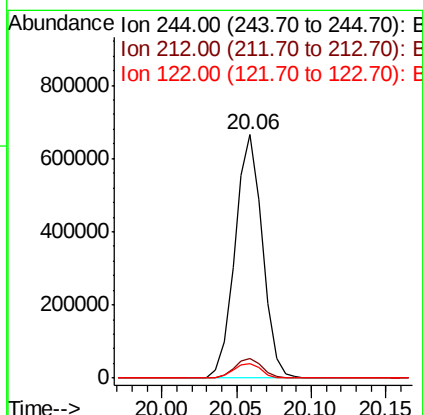
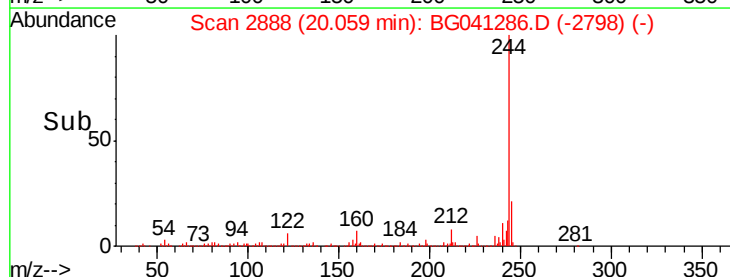
122 5.9 5.0 7.4

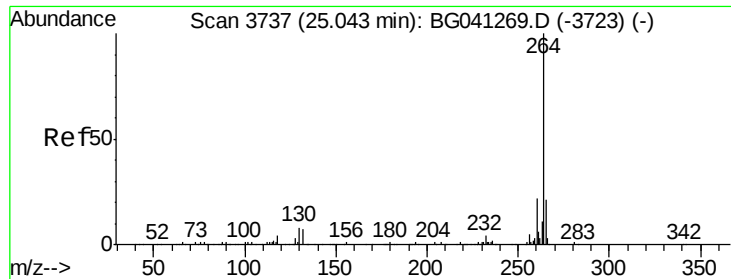


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.04 min Scan# 3736
 Delta R.T. -0.00 min
 Lab File: BG041286.D
 Acq: 18 Jun 2019 00:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.2
265	22.3	17.2	25.8

