

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\
 Data File : BG041297.D
 Acq On : 18 Jun 2019 14:57
 Operator : HP/JU
 Sample : K3366-05RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 16:25:23 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	32315	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	116307	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	83555	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	221734	20.00	ng	0.00
76) Chrysene-d12	21.73	240	252224	20.00	ng	0.00
87) Perylene-d12	25.04	264	266287	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	2811	1.60	ng	0.01
7) Phenol-d6	7.23	99	4239	1.66	ng	0.00
23) Nitrobenzene-d5	9.25	82	125936	45.54	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	5691	4.44	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	425170	69.16	ng	0.00
79) Terphenyl-d14	20.06	244	880153	69.16	ng	0.00

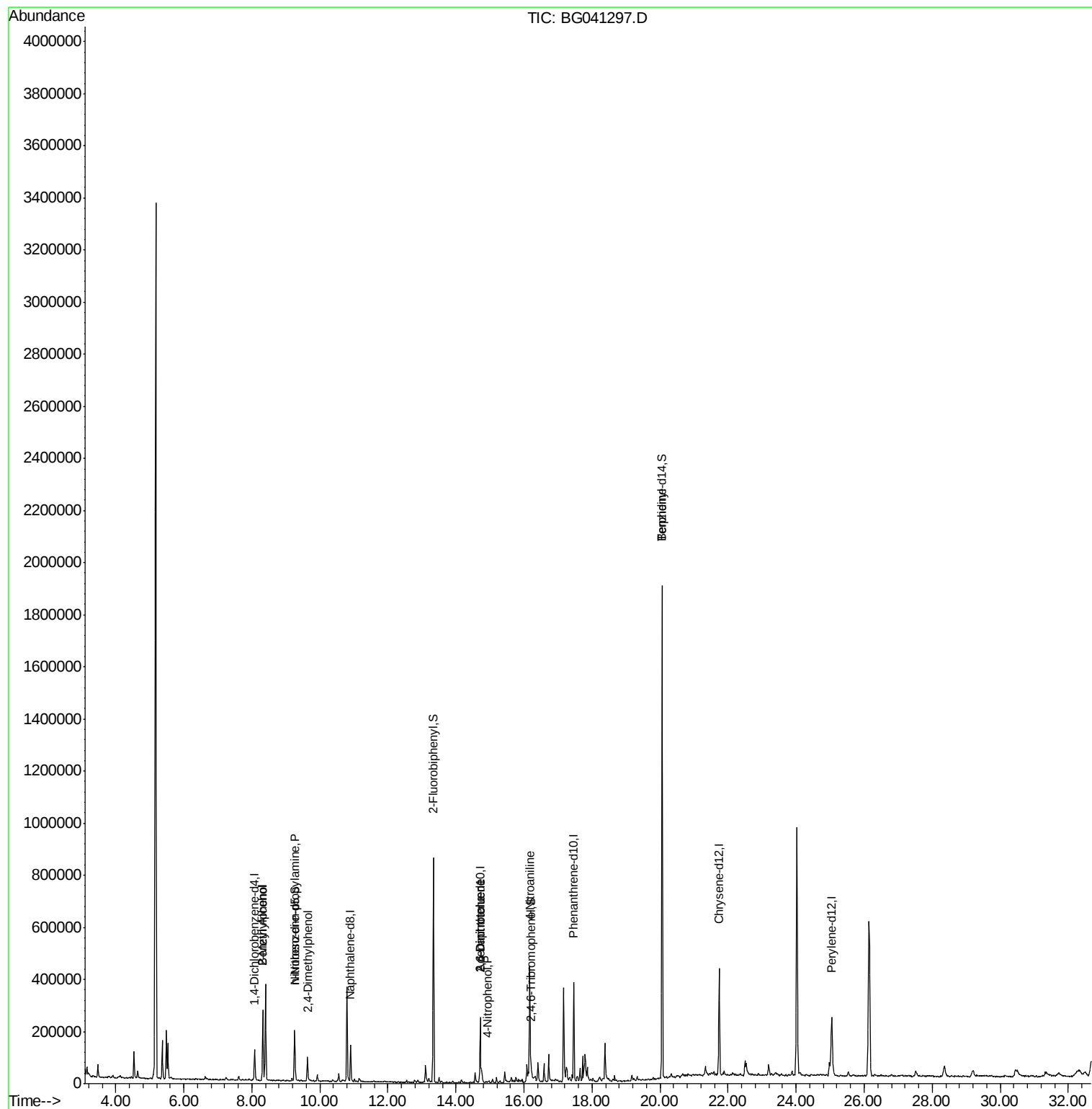
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.32	79	102677	42.038	ng	99
17) 2-Methylphenol	8.32	107	47551	24.262	ng	# 1
19) n-Nitroso-di-n-propylamine	9.26	70	17363	8.421	ng	# 77
27) 2,4-Dimethylphenol	9.63	122	11345	6.712	ng	# 1
51) 2,6-Dinitrotoluene	14.72	165	10813	6.898	ng	# 17
56) 4-Nitrophenol	14.93	139	125	3.318	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	10813	4.719	ng	# 20
62) 4-Nitroaniline	16.16	138	13587	8.225	ng	# 12
77) Benzidine	20.06	184	14937	2.448	ng	# 95

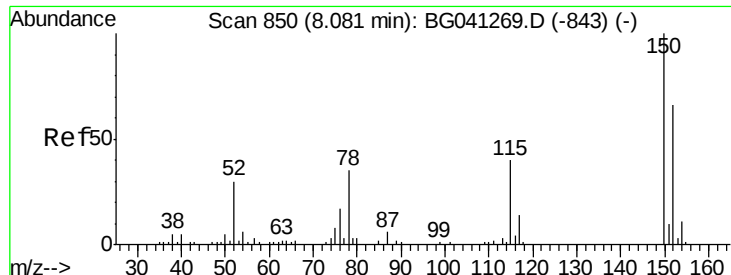
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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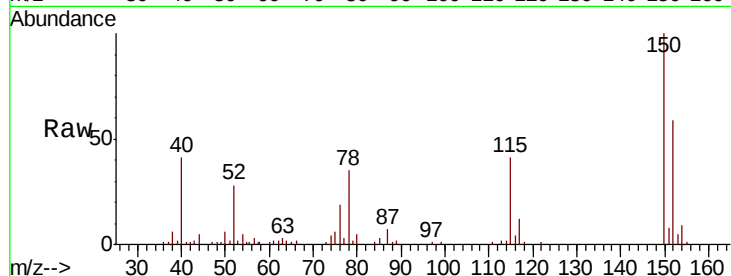


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041297.D
Acq: 18 Jun 2019 14:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	168.7	120.6	181.0
115	69.7	47.9	71.9

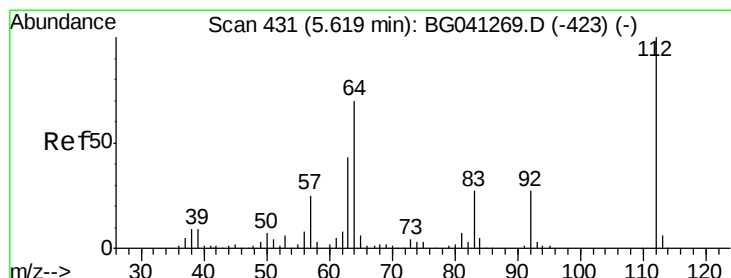
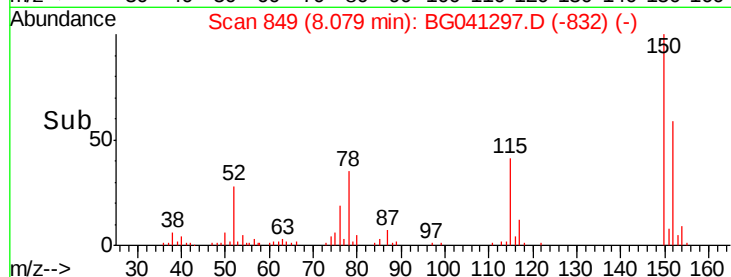
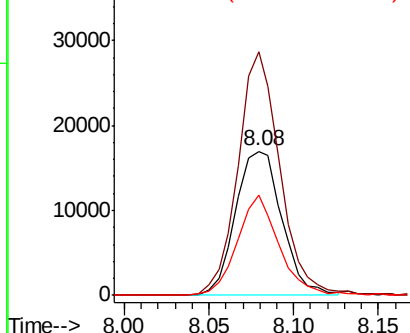


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

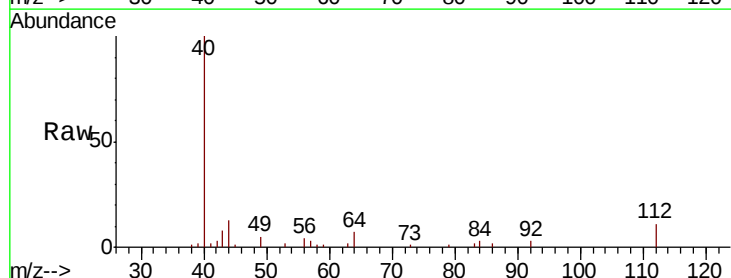
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.598 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.01 min
Lab File: BG041297.D
Acq: 18 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.0	55.9	83.9
63	21.1	34.6	51.8#

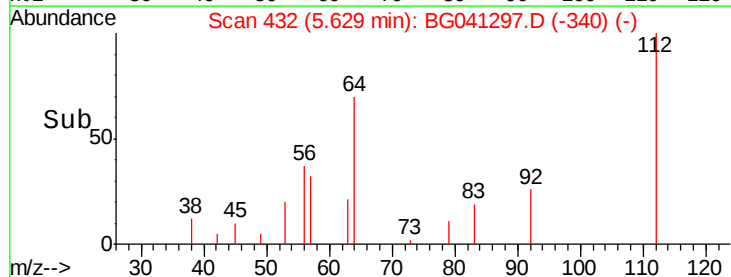
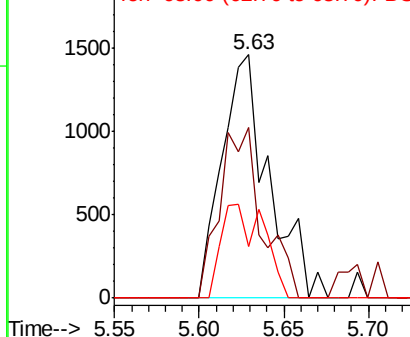


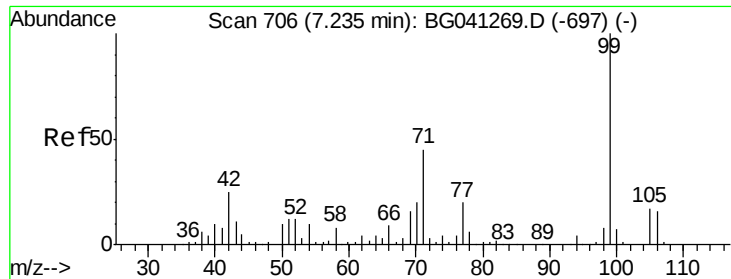
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 1.663 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG041297.D

Acq: 18 Jun 2019 14:57

Instrument :

BNA_G

ClientSampleId :

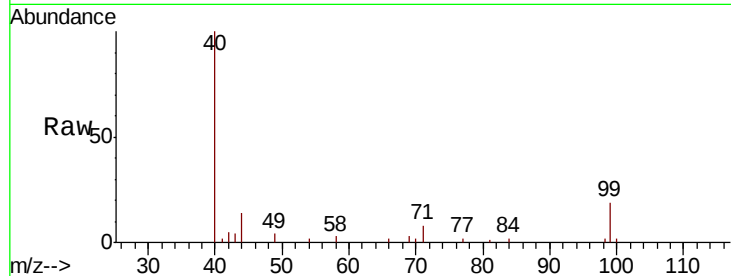
Tot Ion: 99 Resp: 4239

Ion Ratio Lower Upper

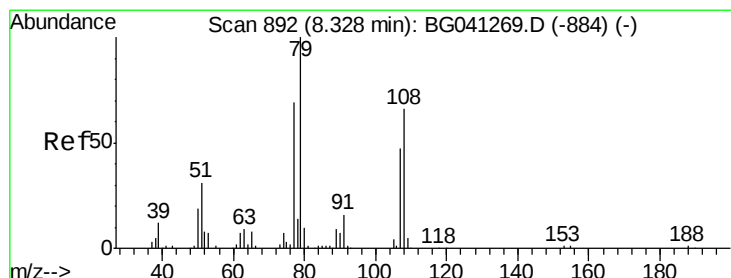
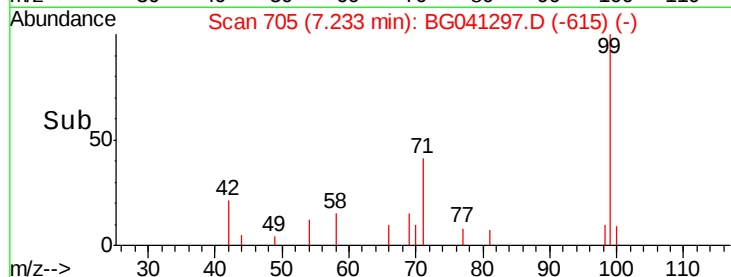
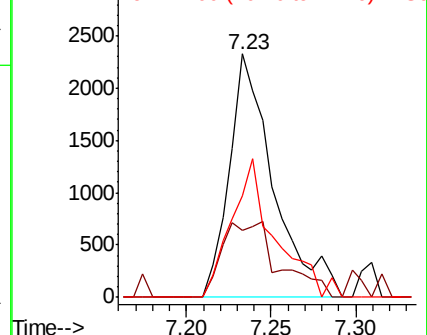
99 100

42 27.7 19.9 29.9

71 41.5 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



#15

Benzyl Alcohol

Concen: 42.038 ng

RT: 8.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BG041297.D

Acq: 18 Jun 2019 14:57

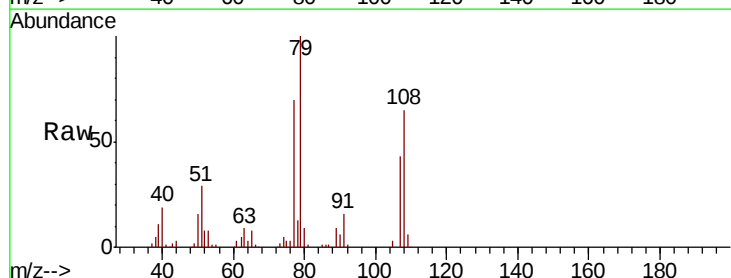
Tgt Ion: 79 Resp: 102677

Ion Ratio Lower Upper

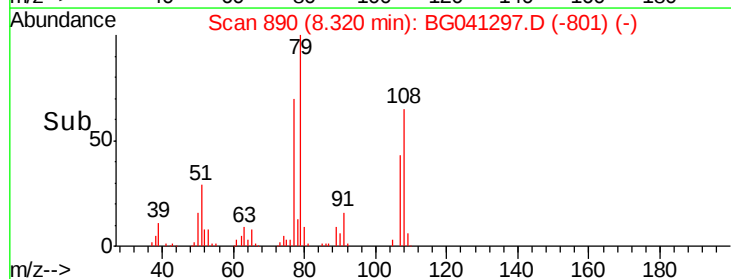
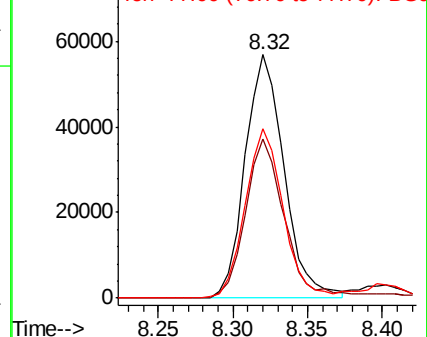
79 100

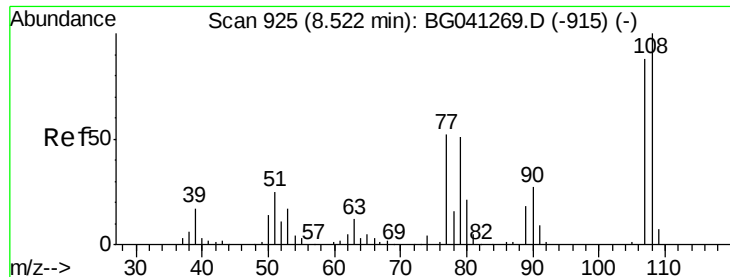
108 65.4 52.7 79.1

77 69.5 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

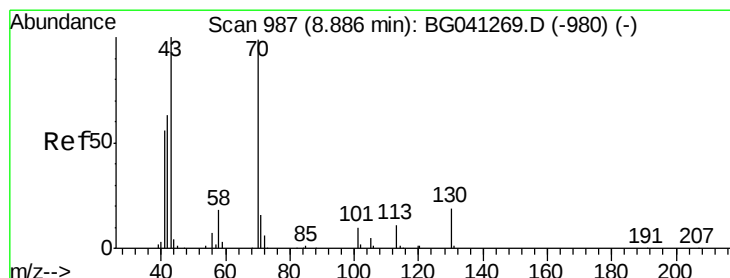
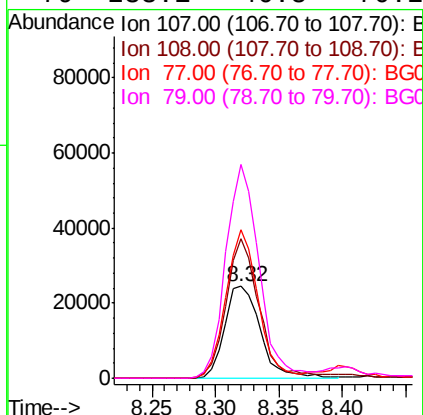
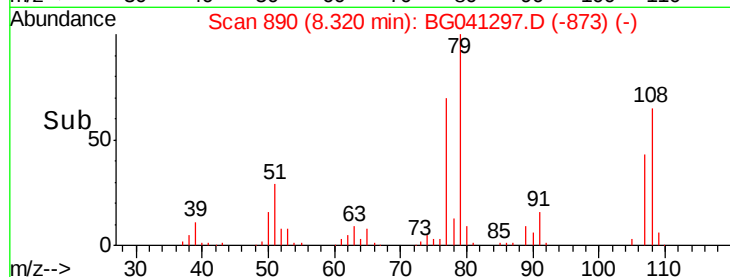
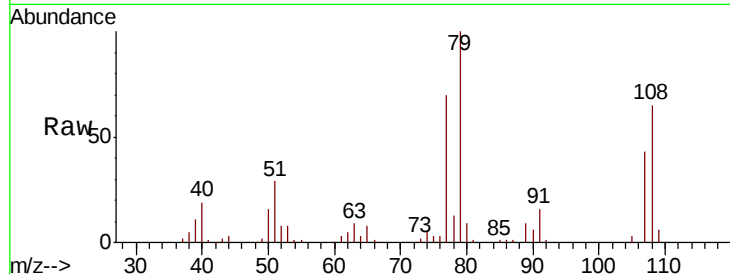




#17
2-Methylphenol
Concen: 24.262 ng
RT: 8.32 min Scan# 890
Delta R.T. -0.20 min
Lab File: BG041297.D
Acq: 18 Jun 2019 14:57

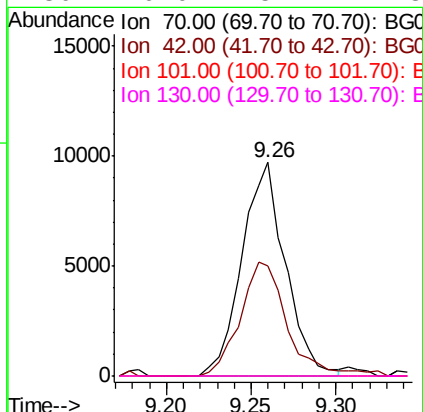
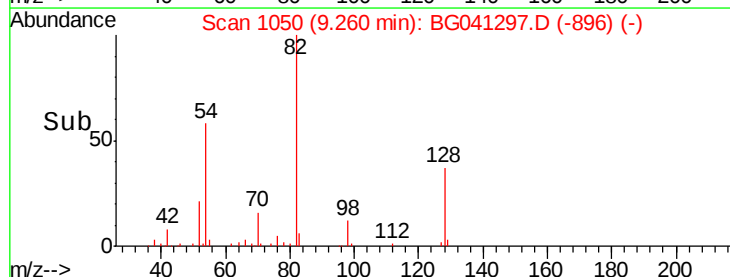
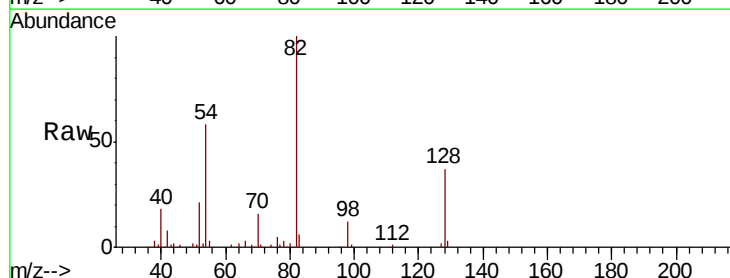
Instrument :
BNA_G
ClientSampleId :

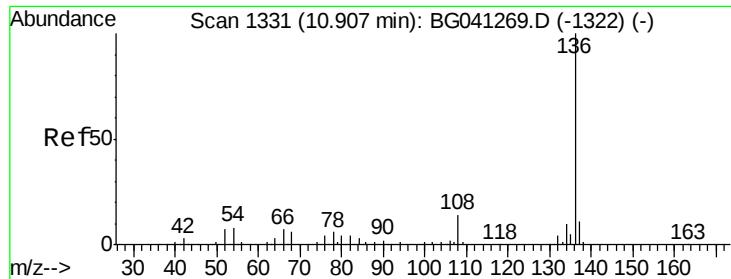
Tot Ion:107 Resp: 47551
Ion Ratio Lower Upper
107 100
108 152.5 91.7 137.5#
77 162.0 47.8 71.8#
79 233.1 46.8 70.2#



#19
n-Nitroso-di-n-propylamine
Concen: 8.421 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.37 min
Lab File: BG041297.D
Acq: 18 Jun 2019 14:57

Tgt Ion: 70 Resp: 17363
Ion Ratio Lower Upper
70 100
42 51.6 51.4 77.2
101 0.0 8.2 12.2#
130 0.0 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BG041297.D

Acq: 18 Jun 2019 14:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 116307

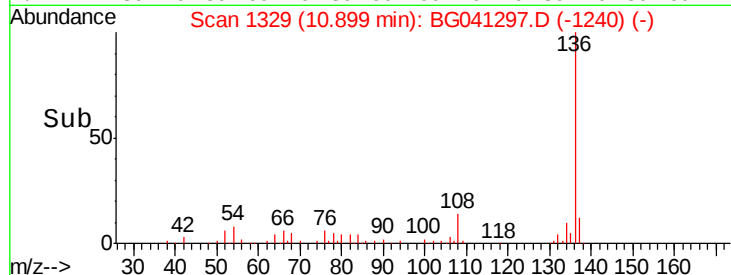
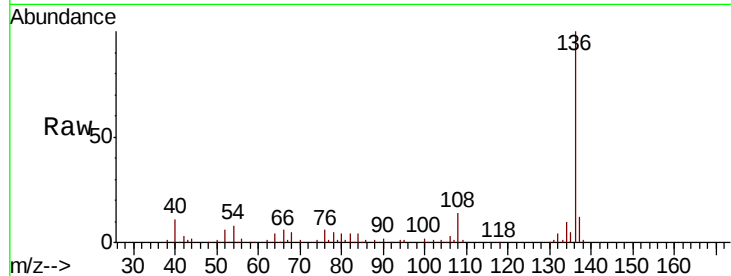
Ion Ratio Lower Upper

136 100

137 12.0 8.8 13.2

54 8.0 6.4 9.6

68 5.3 4.8 7.2

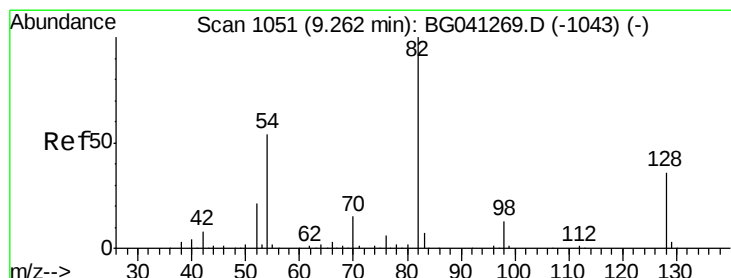
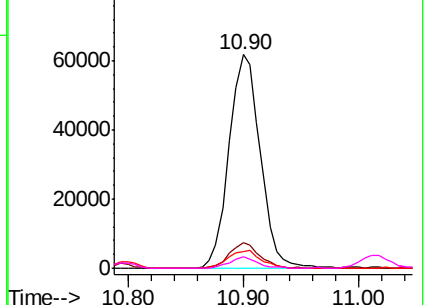


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.538 ng

RT: 9.25 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BG041297.D

Acq: 18 Jun 2019 14:57

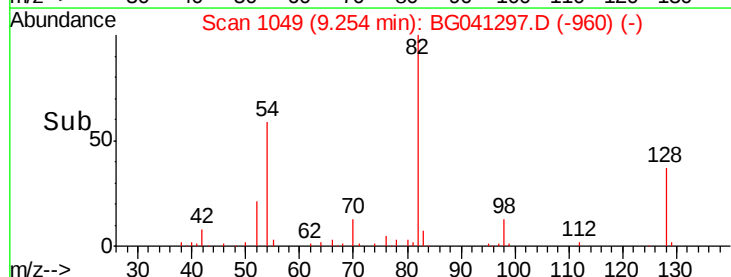
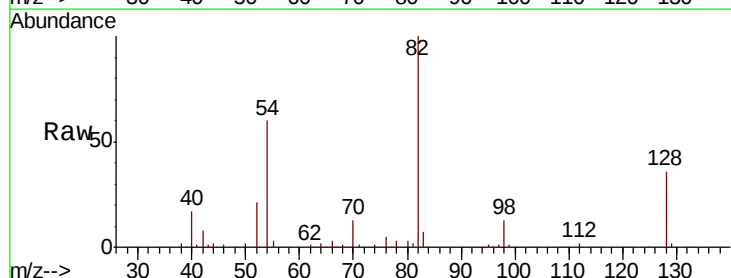
Tgt Ion: 82 Resp: 125936

Ion Ratio Lower Upper

82 100

128 36.5 29.2 43.8

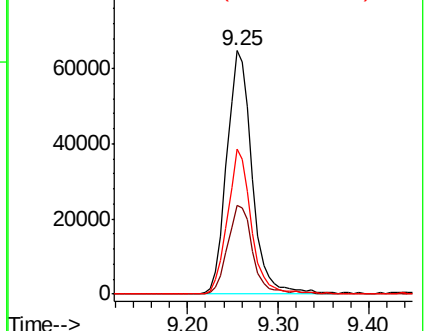
54 59.5 43.4 65.0

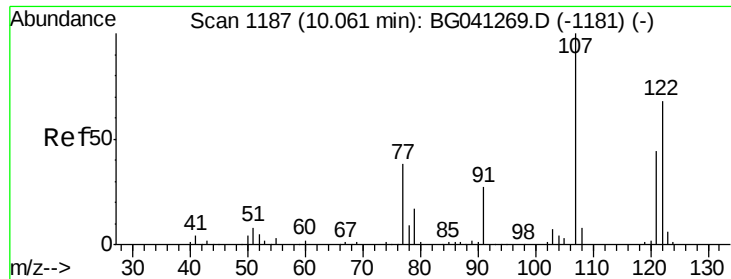


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

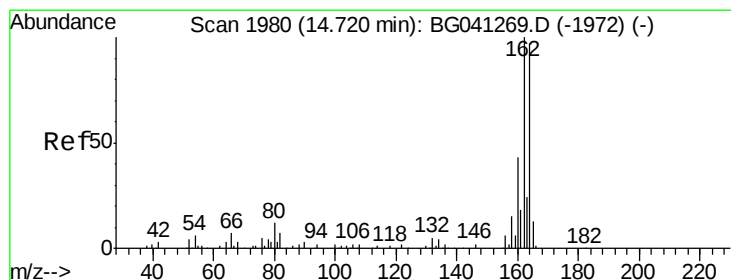
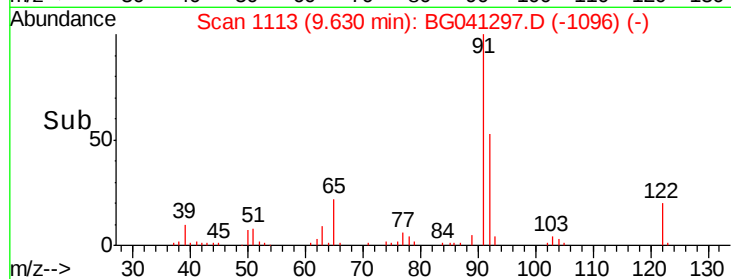
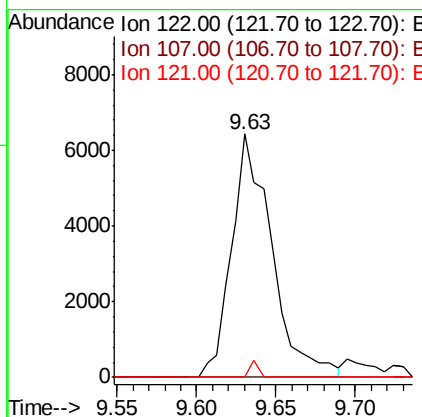
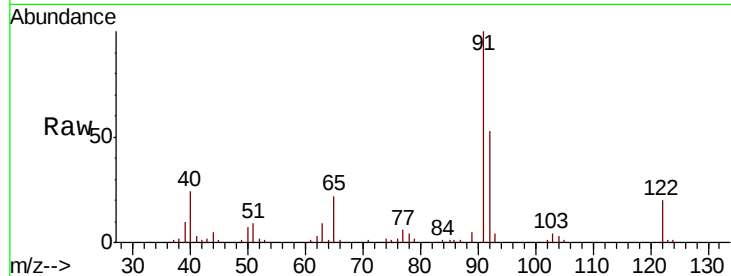




#27
 2,4-Dimethylphenol
 Concen: 6.712 ng
 RT: 9.63 min Scan# 1113
 Delta R.T. -0.43 min
 Lab File: BG041297.D
 Acq: 18 Jun 2019 14:57

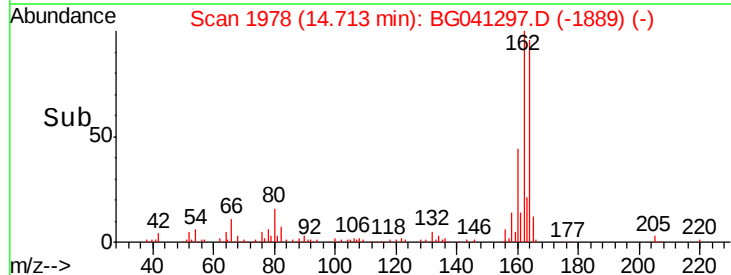
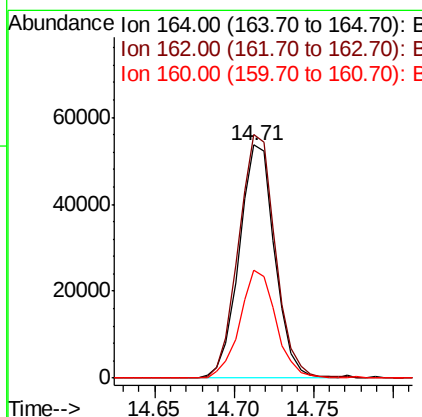
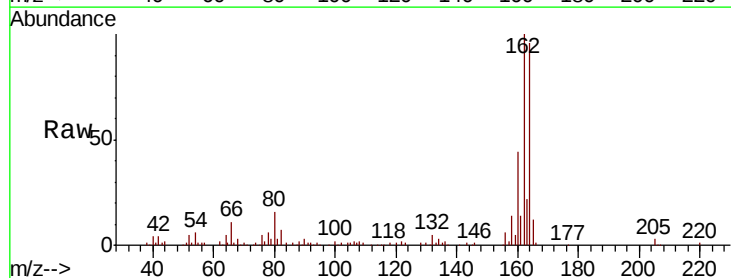
Instrument :
 BNA_G
 ClientSampleId :

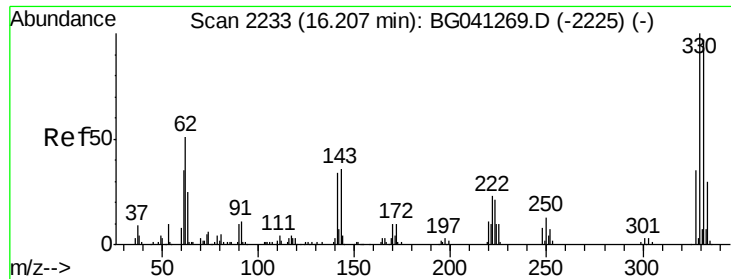
Tot Ion:122 Resp: 11345
 Ion Ratio Lower Upper
 122 100
 107 0.0 115.1 172.7#
 121 0.0 50.1 75.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: BG041297.D
 Acq: 18 Jun 2019 14:57

Tgt Ion:164 Resp: 83555
 Ion Ratio Lower Upper
 164 100
 162 104.5 82.8 124.2
 160 46.2 35.8 53.8

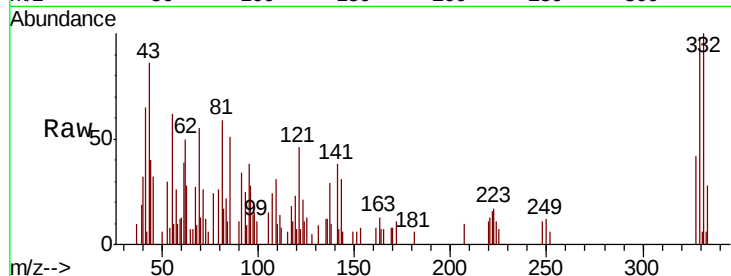




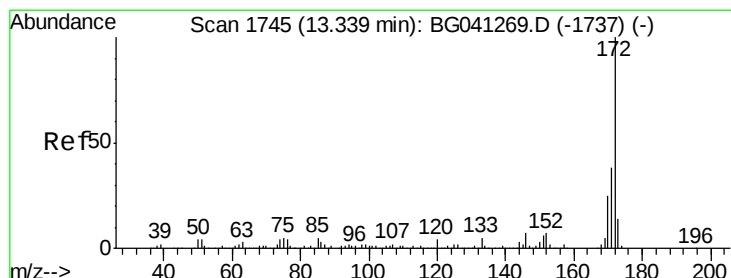
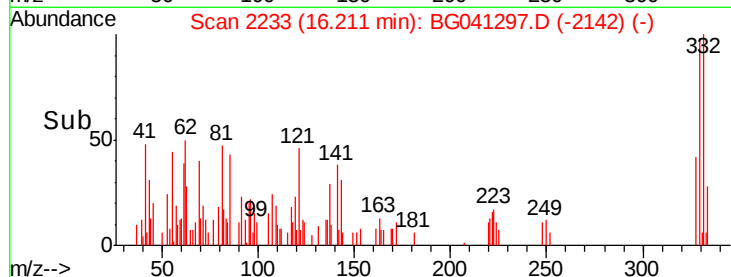
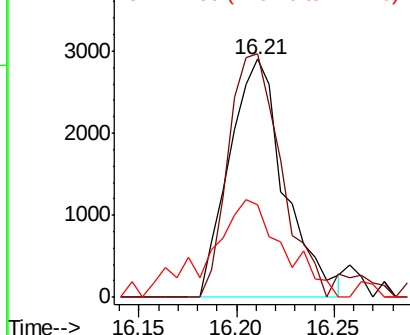
#42
 2,4,6-Tribromophenol
 Concen: 4.437 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: BG041297.D
 Acq: 18 Jun 2019 14:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 5691
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.5 113.3
 141 56.4 29.0 43.4#

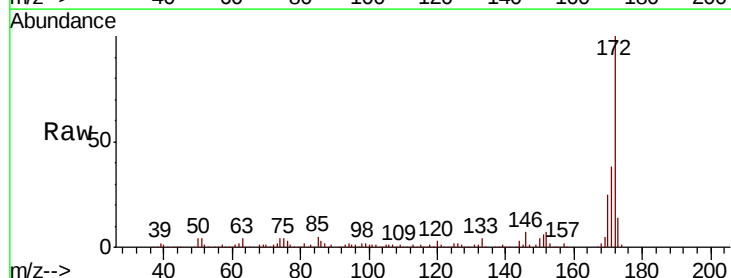


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

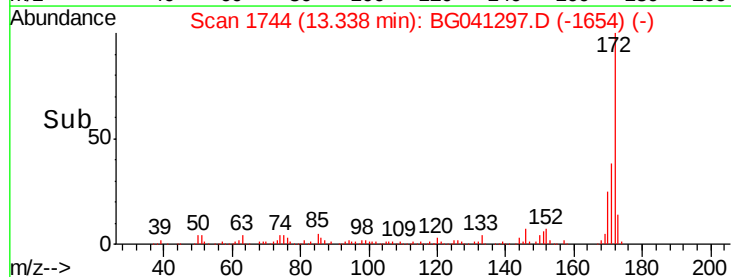
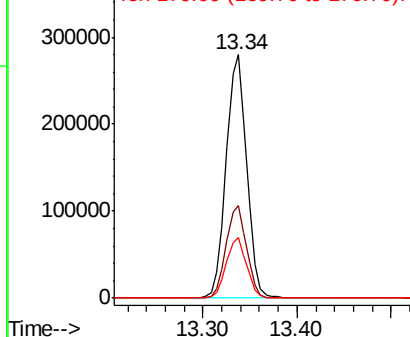


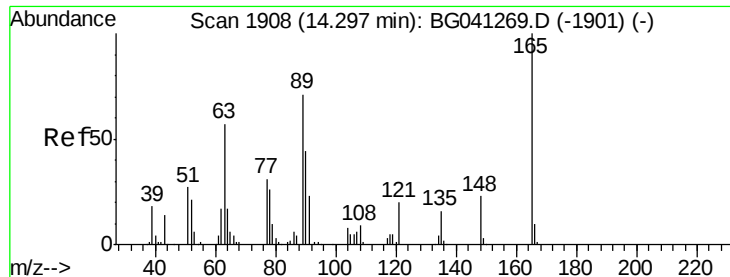
#45
 2-Fluorobiphenyl
 Concen: 69.161 ng
 RT: 13.34 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: BG041297.D
 Acq: 18 Jun 2019 14:57

Tgt Ion:172 Resp: 425170
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 24.8 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

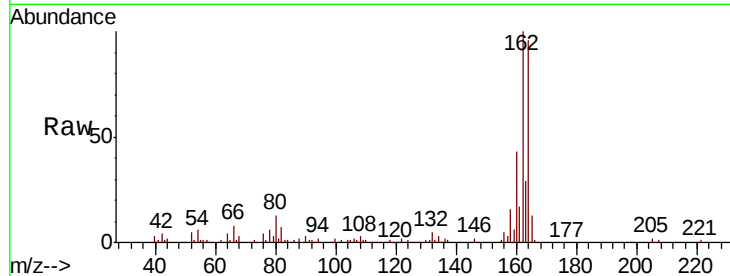




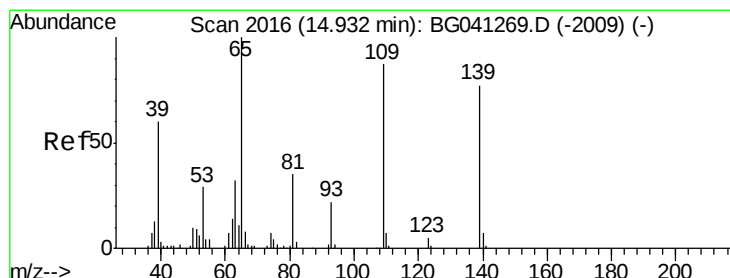
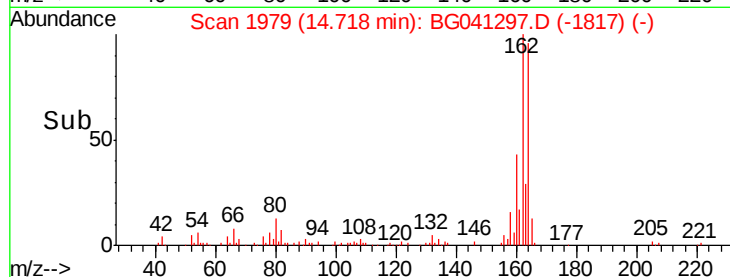
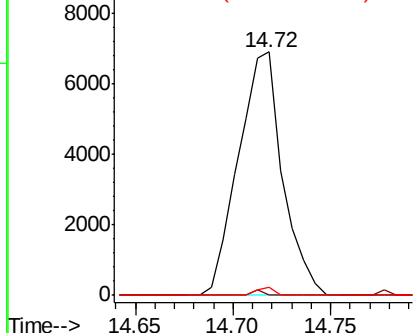
#51
 2,6-Dinitrotoluene
 Concen: 6.898 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.42 min
 Lab File: BG041297.D
 Acq: 18 Jun 2019 14:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	3.1	56.5	84.7#

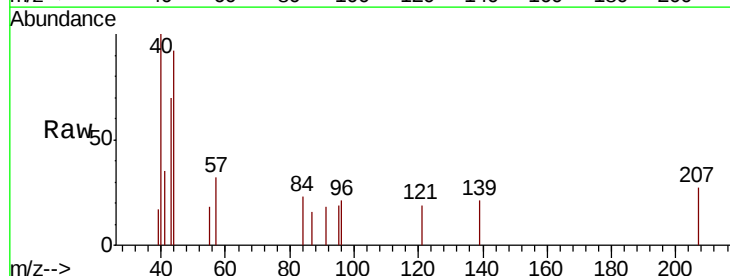


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

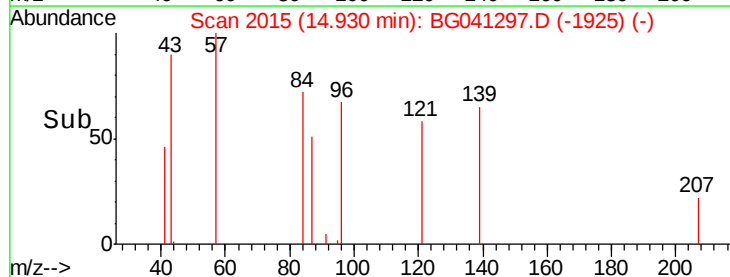
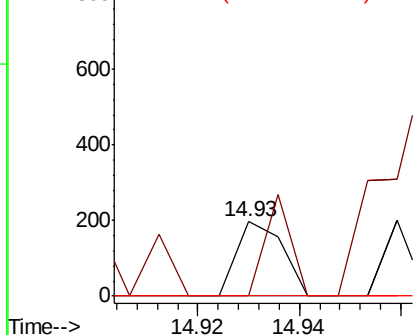


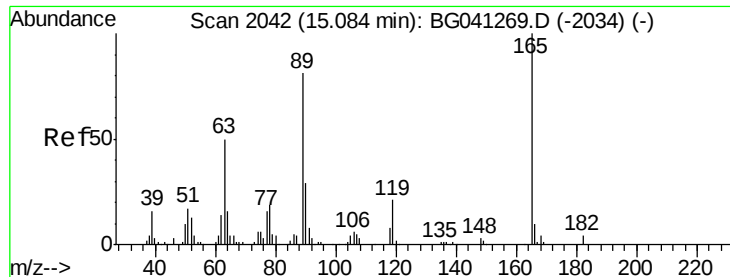
#56
 4-Nitrophenol
 Concen: 3.318 ng
 RT: 14.93 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: BG041297.D
 Acq: 18 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	93.2	133.2#
65	0.0	110.2	150.2#



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

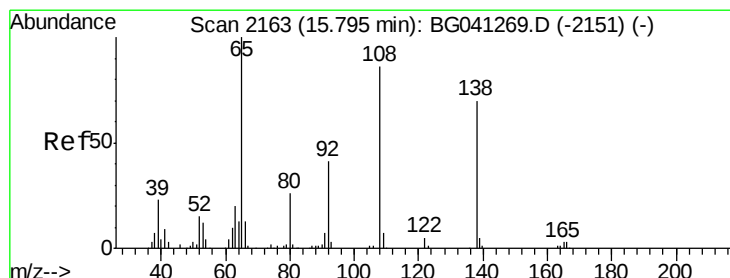
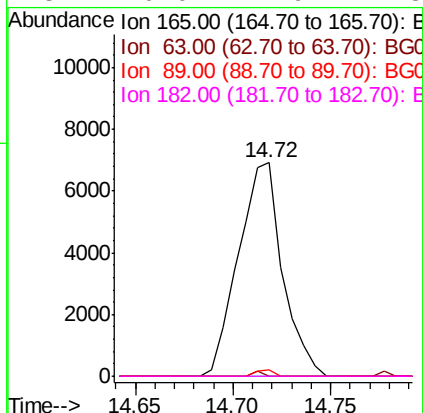
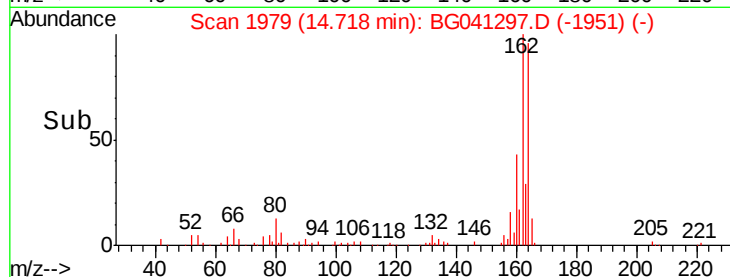
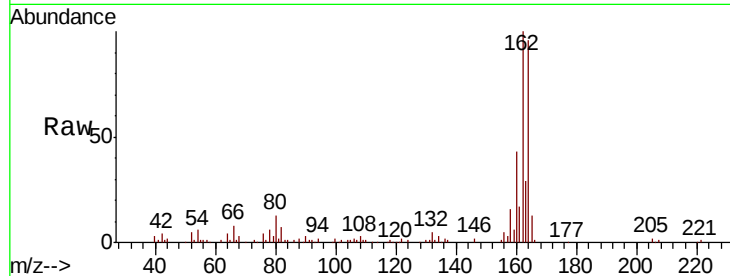




#57
 2,4-Dinitrotoluene
 Concen: 4.719 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.37 min
 Lab File: BG041297.D
 Acq: 18 Jun 2019 14:57

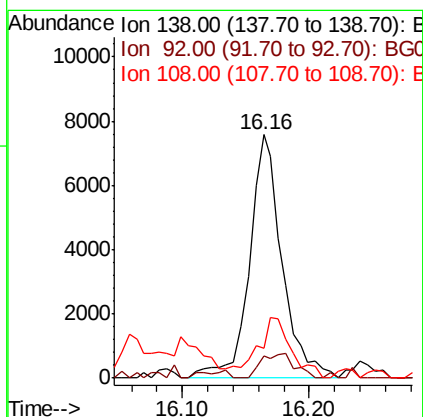
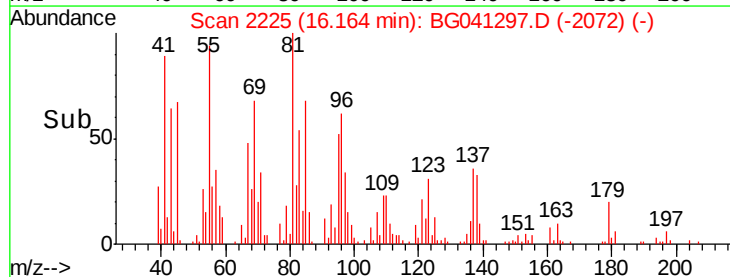
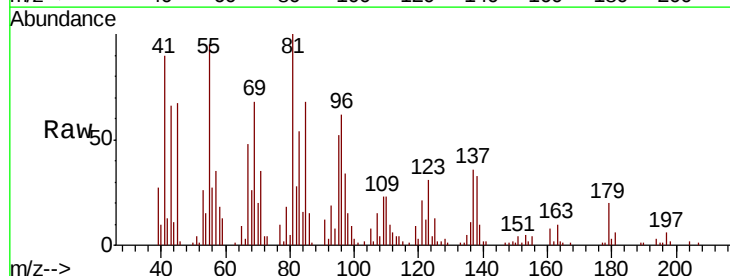
Instrument :
 BNA_G
 ClientSampleId :

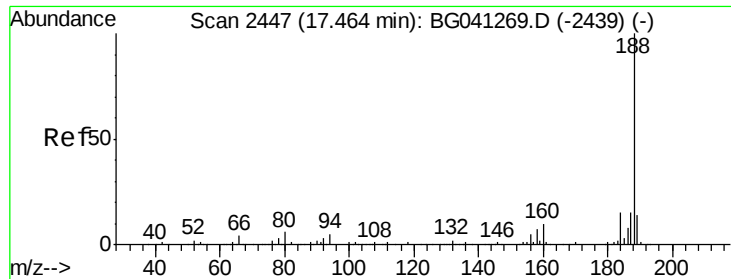
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	3.1	64.6	96.8#
182	0.0	2.9	4.3#



#62
 4-Nitroaniline
 Concen: 8.225 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. 0.37 min
 Lab File: BG041297.D
 Acq: 18 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
138	100		
92	9.0	38.8	78.8#
108	12.3	103.4	143.4#

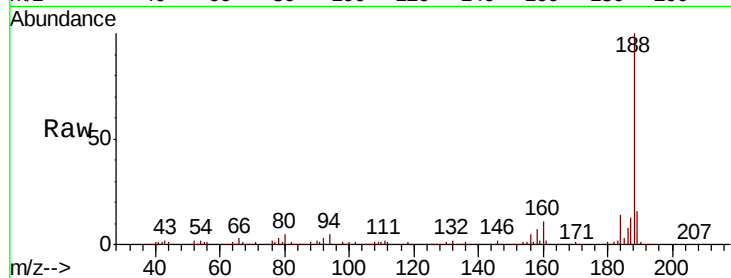




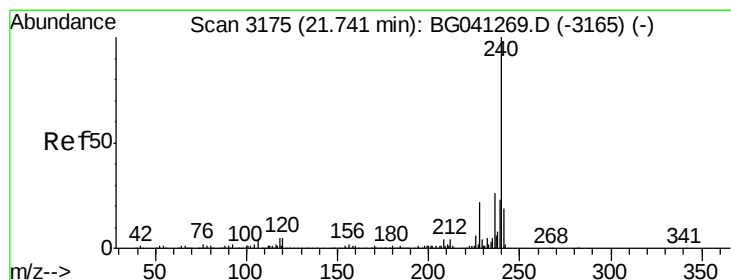
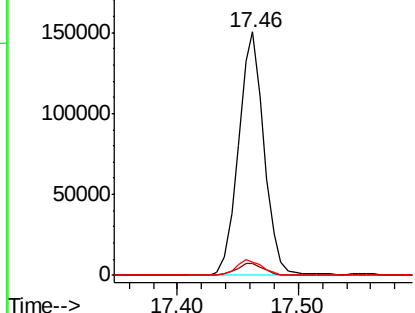
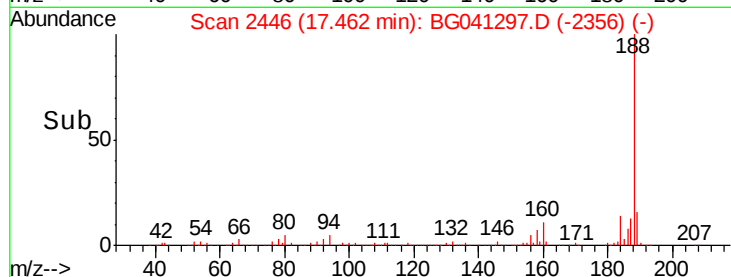
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BG041297.D
Acq: 18 Jun 2019 14:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 221734
Ion Ratio Lower Upper
188 100
94 5.1 3.6 5.4
80 5.4 4.8 7.2

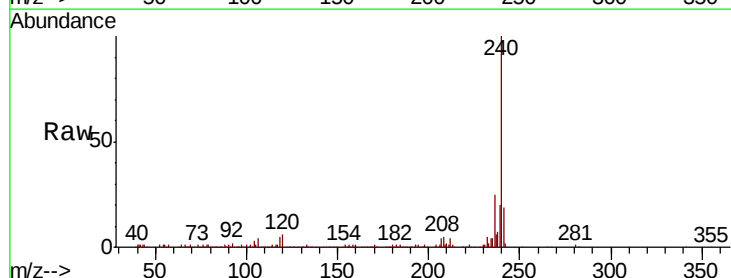


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

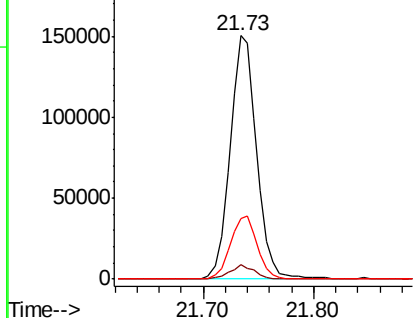
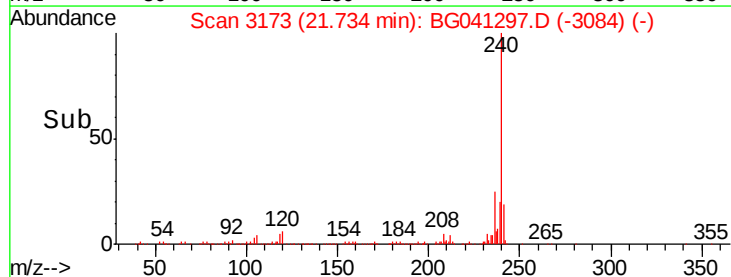


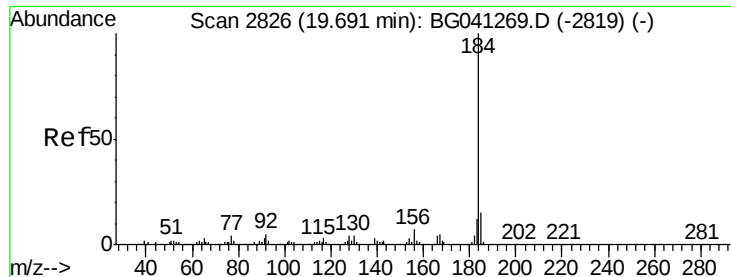
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG041297.D
Acq: 18 Jun 2019 14:57

Tgt Ion:240 Resp: 252224
Ion Ratio Lower Upper
240 100
120 5.7 3.7 5.5#
236 25.1 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: 2.448 ng

RT: 20.06 min Scan# 2888

Delta R.T. 0.37 min

Lab File: BG041297.D

Acq: 18 Jun 2019 14:57

Instrument :

BNA_G

ClientSampleId :

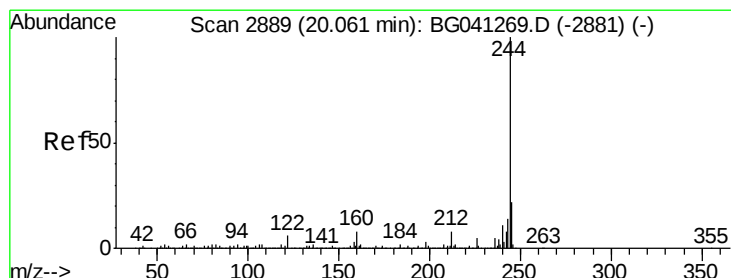
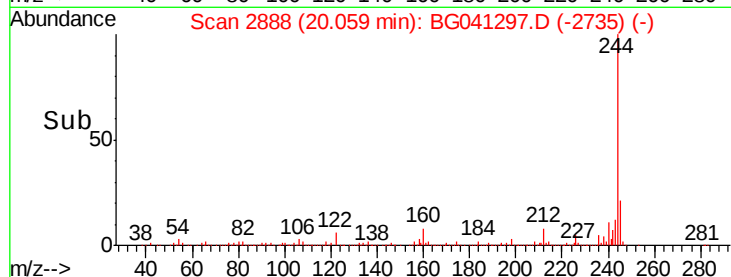
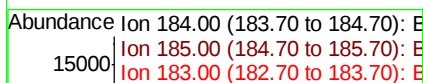
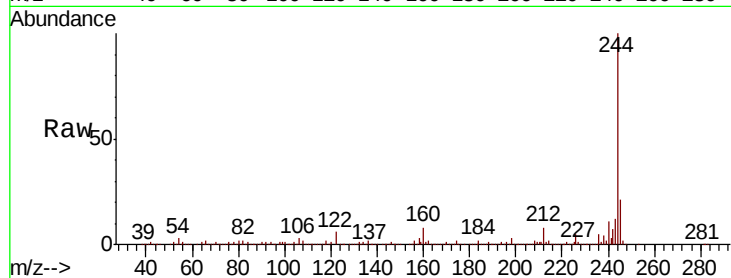
Tot Ion:184 Resp: 14937

Ion Ratio Lower Upper

184 100

185 19.1 12.2 18.2#

183 11.9 9.6 14.4



#79

Terphenyl-d14

Concen: 69.156 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG041297.D

Acq: 18 Jun 2019 14:57

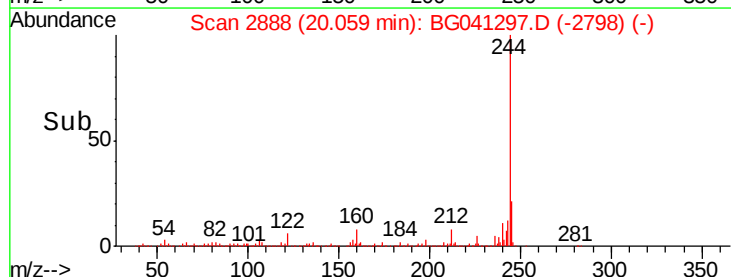
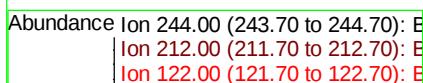
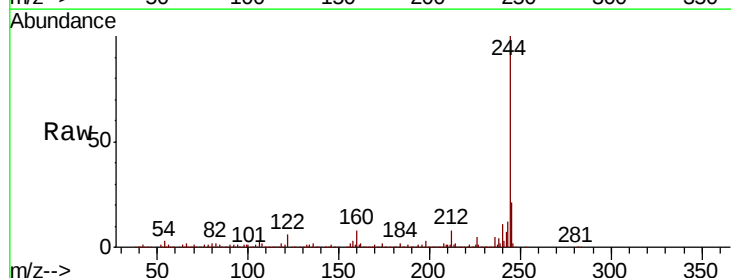
Tgt Ion:244 Resp: 880153

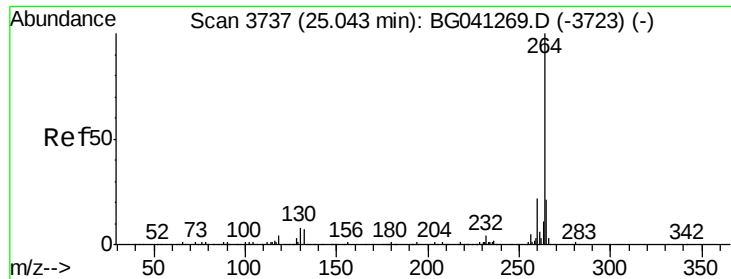
Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

122 6.2 5.0 7.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.04 min Scan# 3736
Delta R.T. -0.00 min
Lab File: BG041297.D
Acq: 18 Jun 2019 14:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.2
265	23.4	17.2	25.8

