

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043605.D
 Acq On : 12 Nov 2019 6:06
 Operator : JU
 Sample : PB124694BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 12 07:49:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

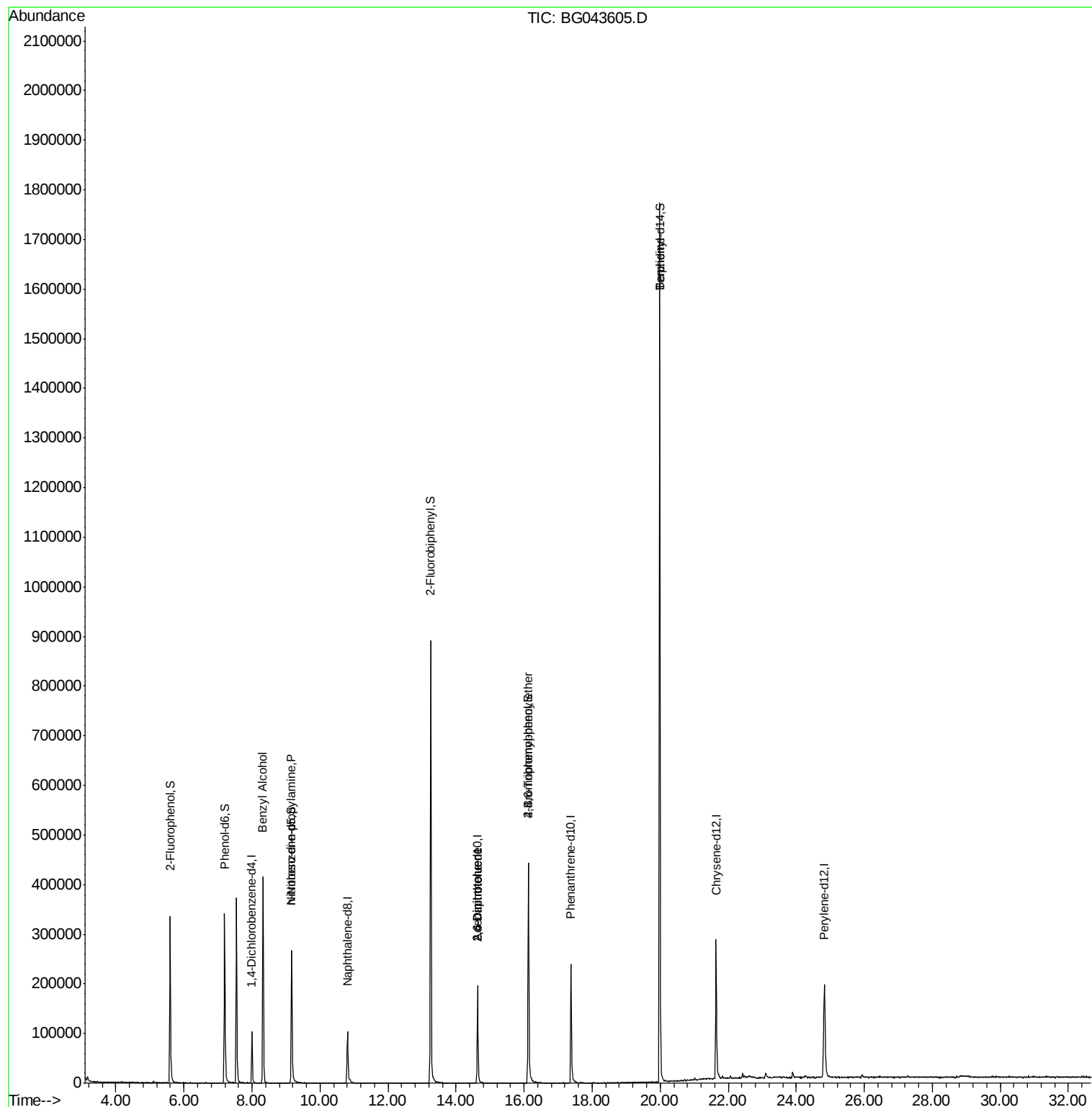
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	32270	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	115602	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	84671	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	200169	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	210199	20.00	ng	-0.01
87) Perylene-d12	24.82	264	246053	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	162525	92.29	ng	0.00
7) Phenol-d6	7.19	99	225646	89.06	ng	0.00
23) Nitrobenzene-d5	9.16	82	192199	85.71	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	128929	80.02	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	545624	89.04	ng	-0.01
79) Terphenyl-d14	19.99	244	1005659	89.76	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	8.33	79	3559	2.000	ng	# 44
19) n-Nitroso-di-n-propylamine	9.17	70	27374	16.720	ng	# 79
51) 2,6-Dinitrotoluene	14.63	165	11867	8.329	ng	# 22
57) 2,4-Dinitrotoluene	14.63	165	11867	5.828	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	7775	2.886	ng	# 1
77) Benzidine	19.99	184	15066	3.561	ng	# 96

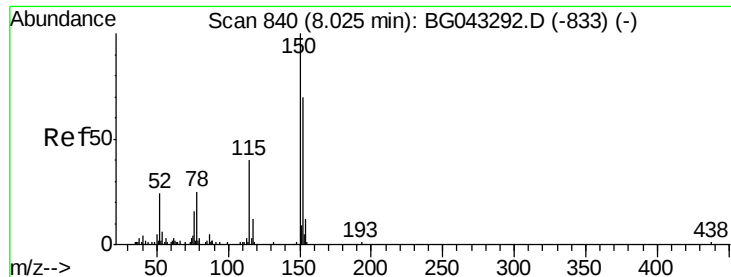
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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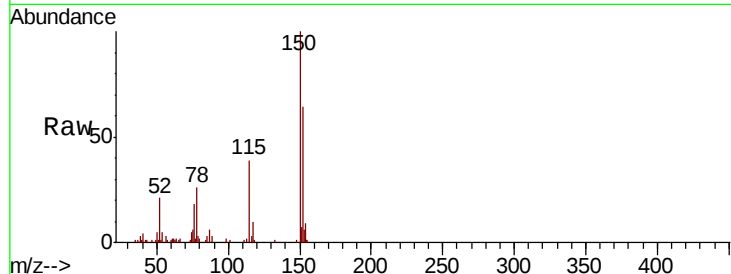


#1

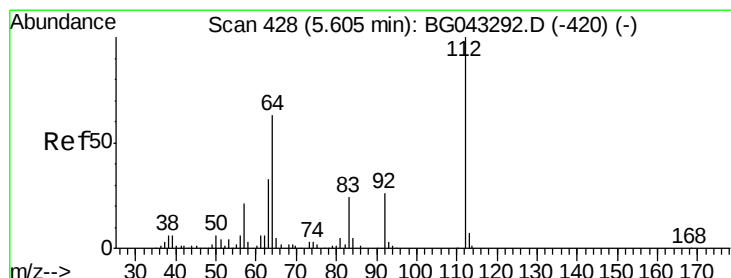
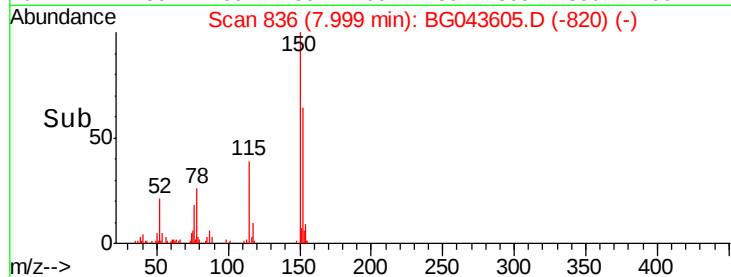
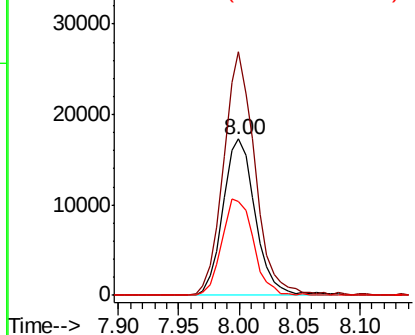
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043605.D
Acq: 12 Nov 2019 6:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 32270
Ion Ratio Lower Upper
152 100
150 156.1 129.4 194.0
115 60.1 48.8 73.2



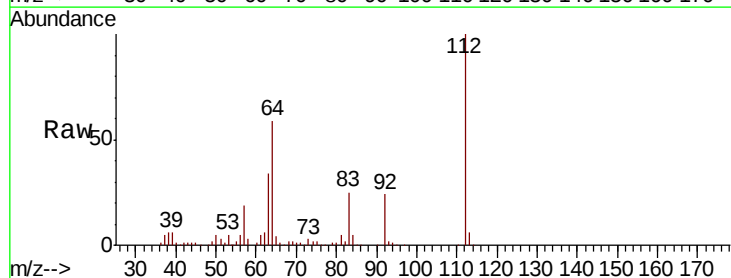
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



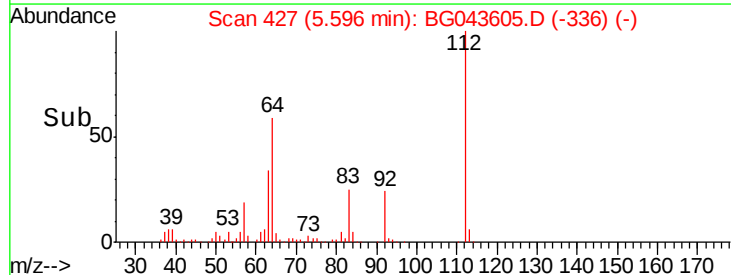
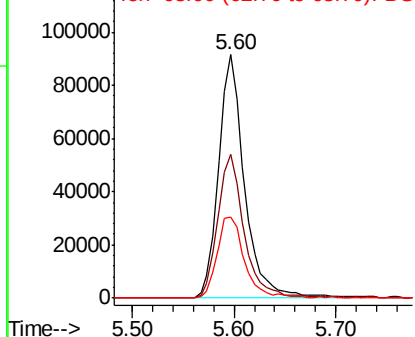
#5

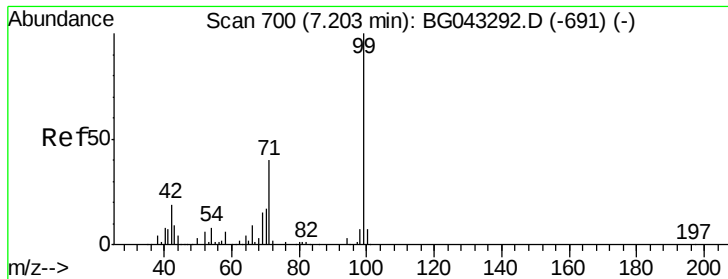
2-Fluorophenol
Concen: 92.290 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043605.D
Acq: 12 Nov 2019 6:06

Tgt Ion:112 Resp: 162525
Ion Ratio Lower Upper
112 100
64 58.9 50.0 75.0
63 33.6 26.6 40.0



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: 89.057 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043605.D

Acq: 12 Nov 2019 6:06

Instrument :

BNA_G

ClientSampleId :

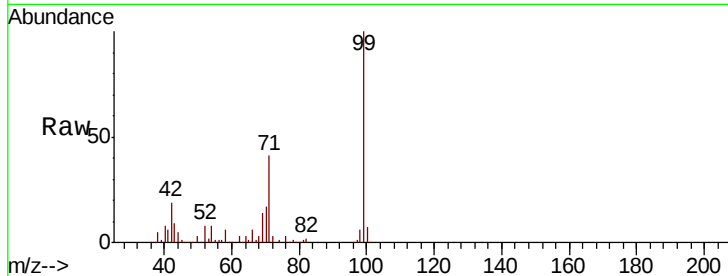
Tot Ion: 99 Resp: 225646

Ion Ratio Lower Upper

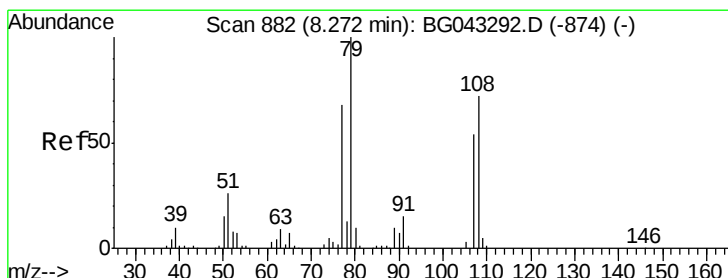
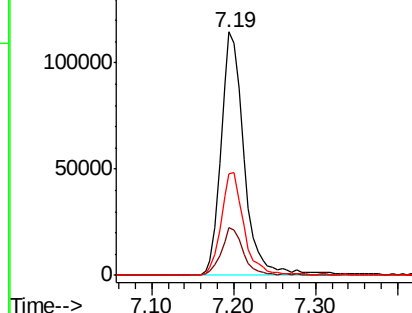
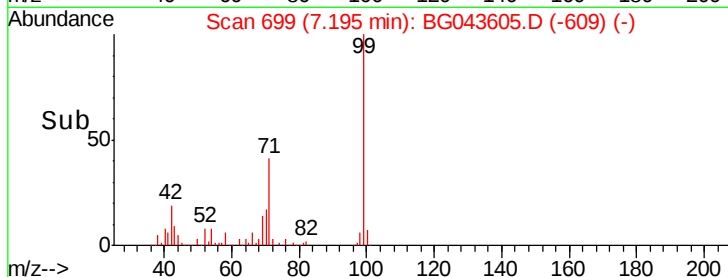
99 100

42 19.5 14.6 21.8

71 41.5 32.5 48.7



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: 2.000 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.07 min

Lab File: BG043605.D

Acq: 12 Nov 2019 6:06

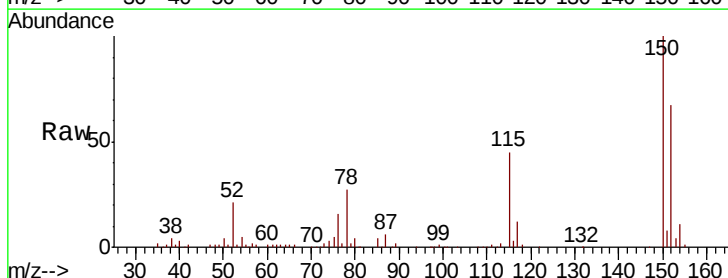
Tgt Ion: 79 Resp: 3559

Ion Ratio Lower Upper

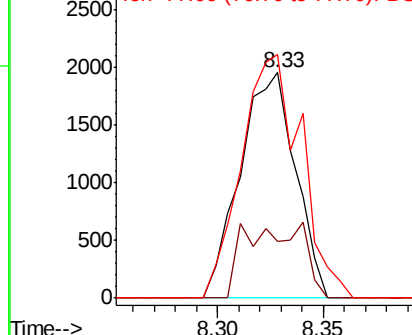
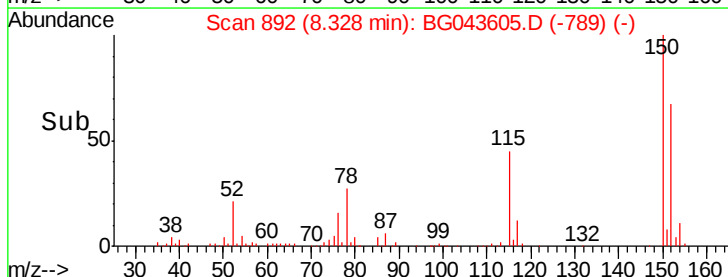
79 100

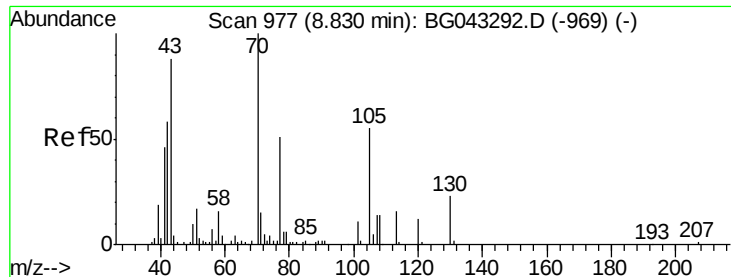
108 25.1 53.6 80.4#

77 108.1 49.6 74.4#



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





#19

n-Nitroso-di-n-propylamine

Concen: 16.720 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG043605.D

Acq: 12 Nov 2019 6:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 27374

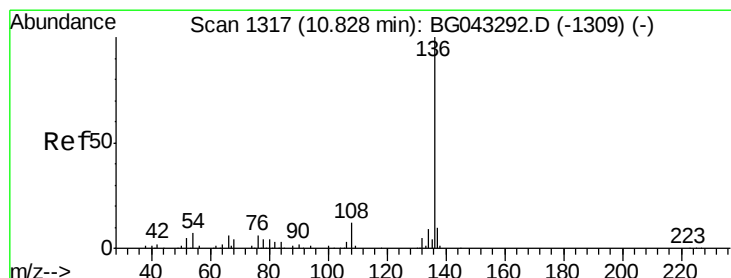
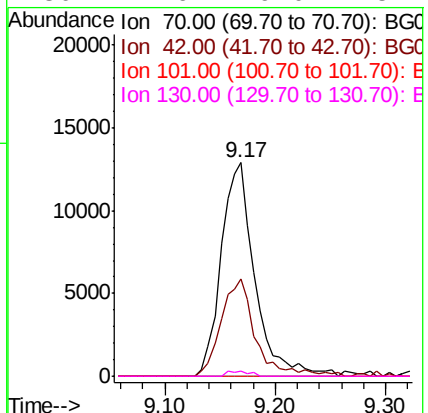
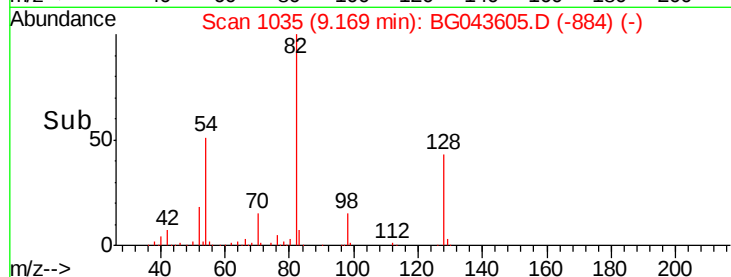
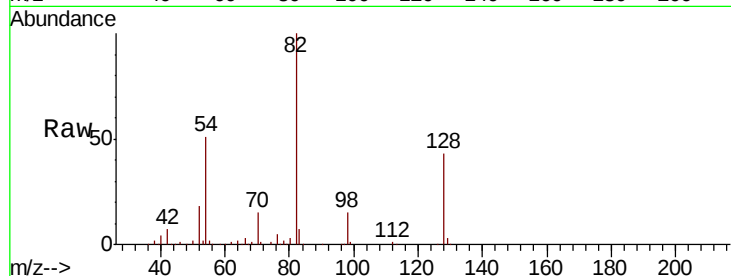
Ion Ratio Lower Upper

70 100

42 45.3 41.4 62.2

101 0.0 7.9 11.9#

130 2.6 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BG043605.D

Acq: 12 Nov 2019 6:06

Tgt Ion: 136 Resp: 115602

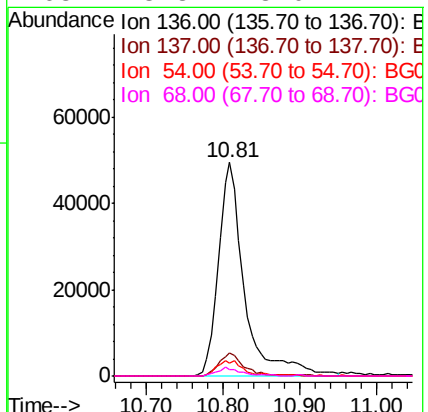
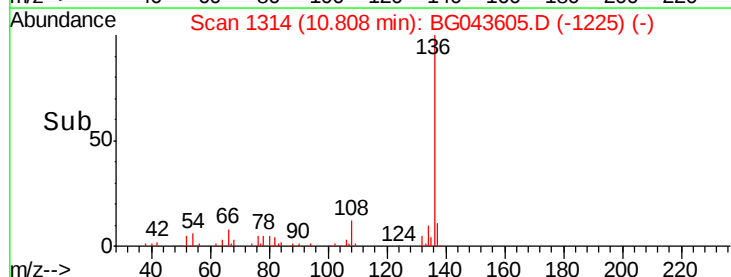
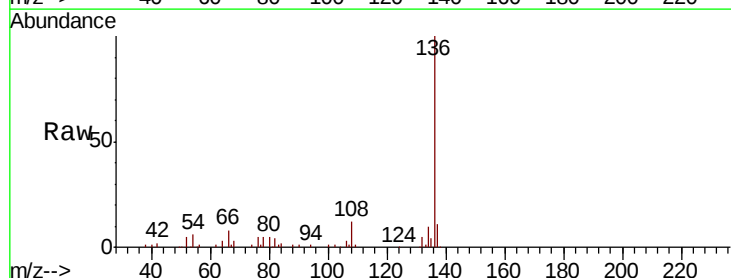
Ion Ratio Lower Upper

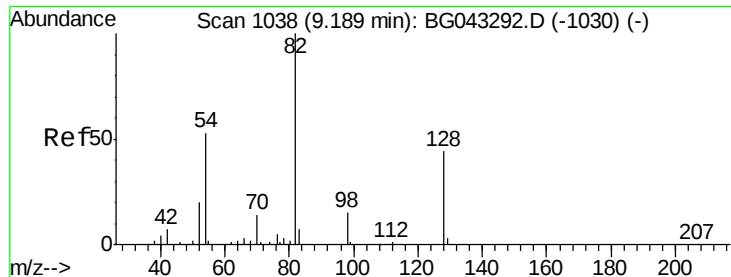
136 100

137 10.8 8.7 13.1

54 5.8 5.4 8.2

68 3.3 3.0 4.4

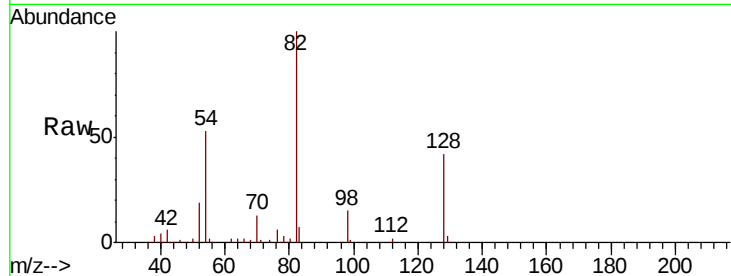




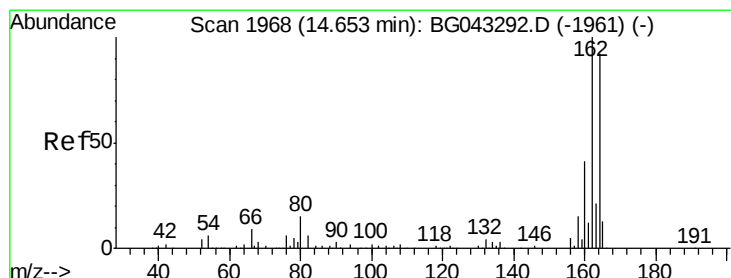
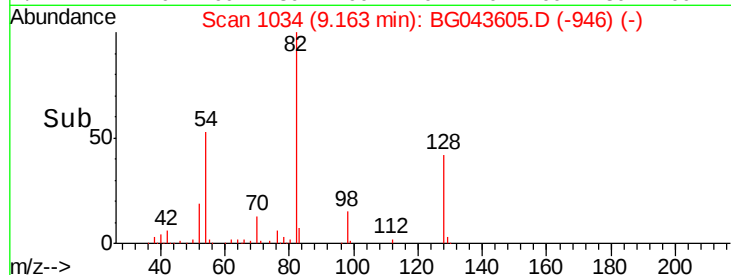
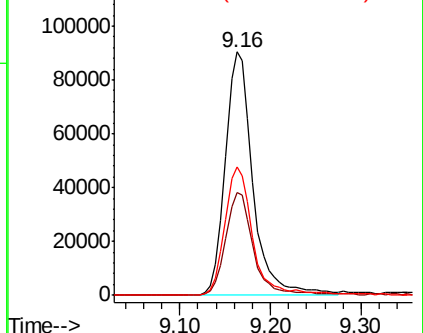
#23
Nitrobenzene-d5
Concen: 85.714 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043605.D
Acq: 12 Nov 2019 6:06

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	192199
Ion Ratio	Lower	Upper	
82	100		
128	42.3	35.0	52.6
54	52.8	40.2	60.2

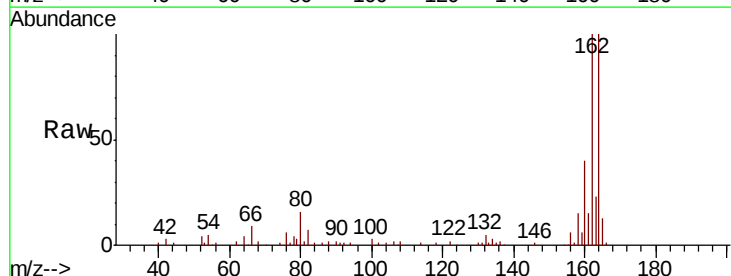


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

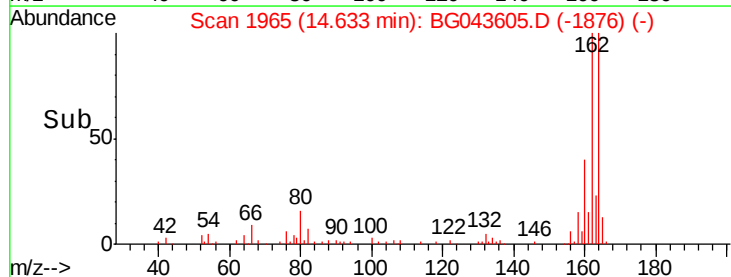
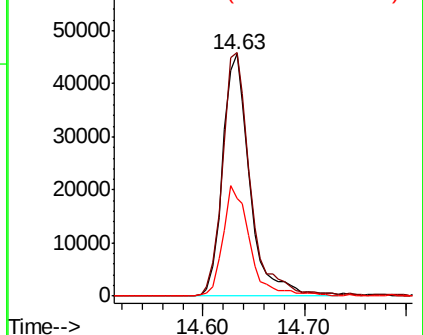


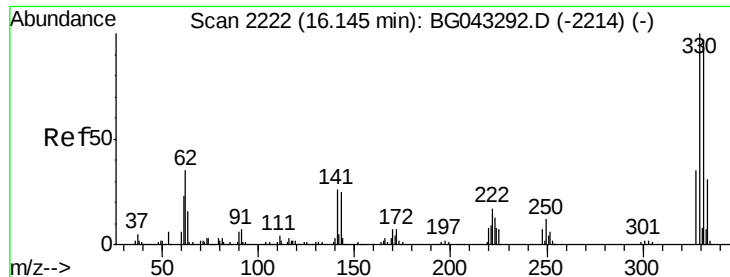
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BG043605.D
Acq: 12 Nov 2019 6:06

Tgt Ion	164	Resp	84671
Ion Ratio	Lower	Upper	
164	100		
162	100.5	83.5	125.3
160	40.4	36.5	54.7



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

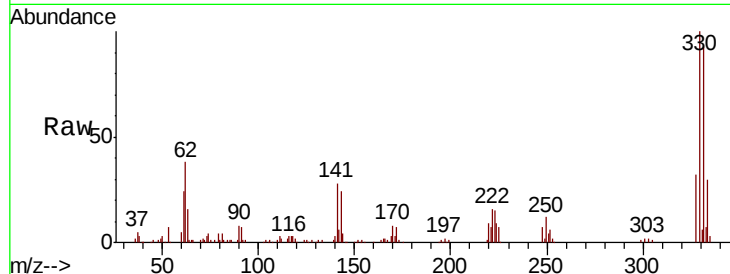




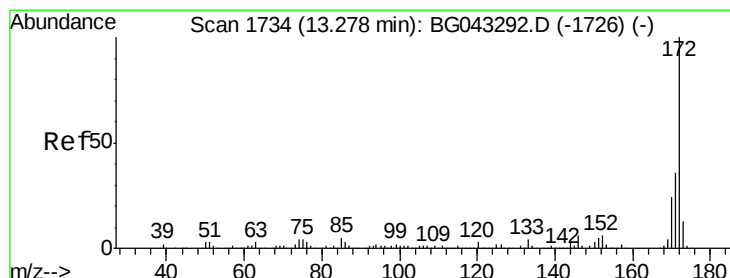
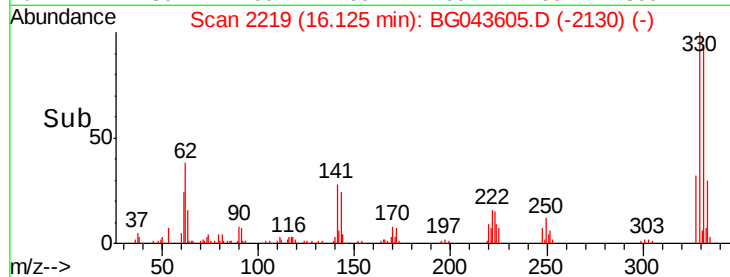
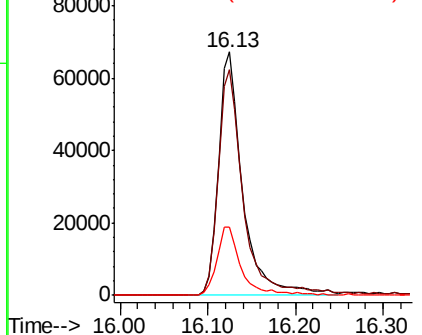
#42
 2,4,6-Tribromophenol
 Concen: 80.016 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG043605.D
 Acq: 12 Nov 2019 6:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.4	116.0
141	27.5	22.8	34.2

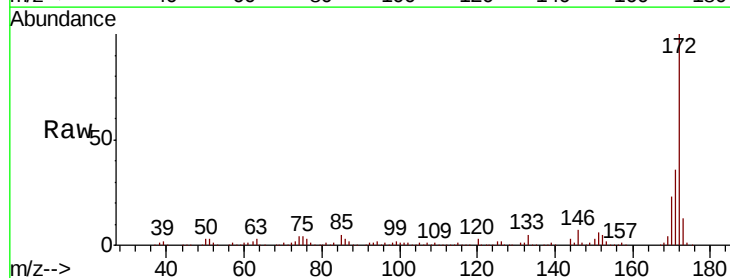


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

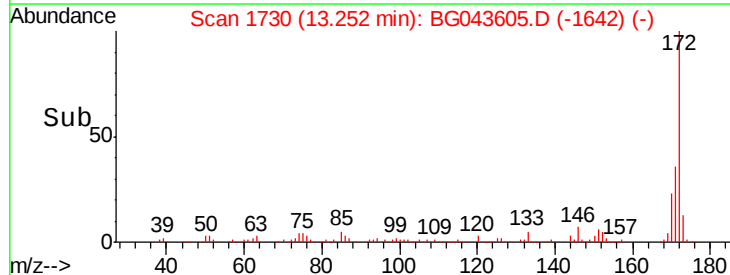
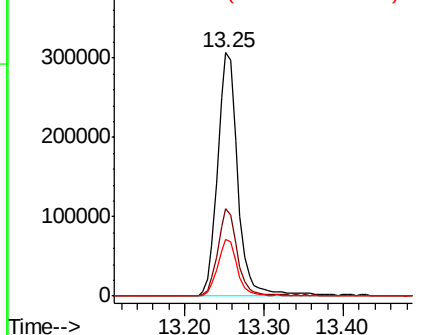


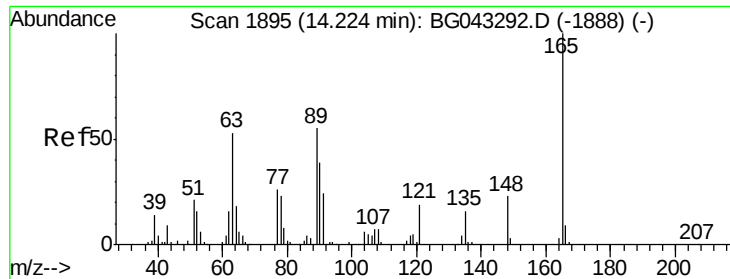
#45
 2-Fluorobiphenyl
 Concen: 89.044 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043605.D
 Acq: 12 Nov 2019 6:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	23.2	18.5	27.7



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

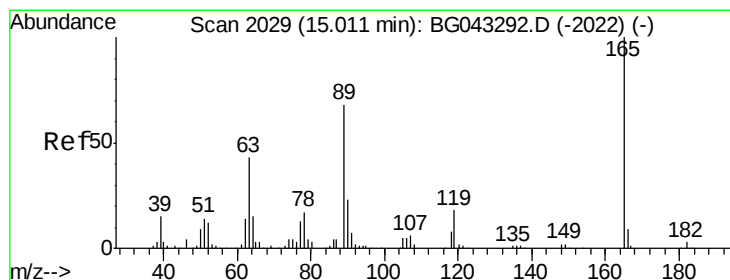
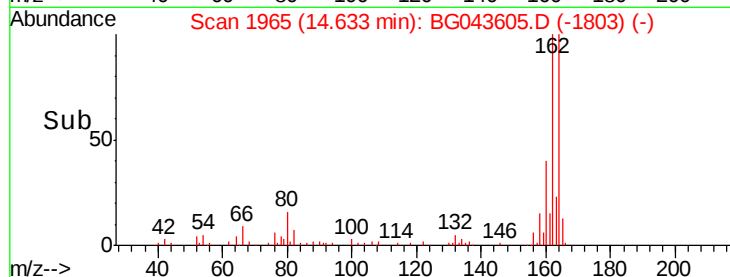
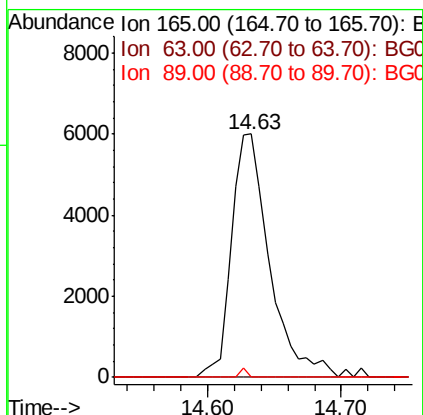
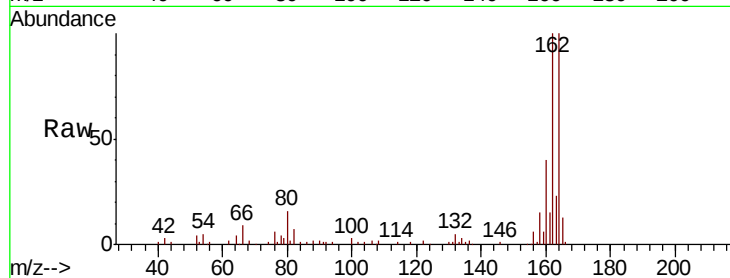




#51
 2,6-Dinitrotoluene
 Concen: 8.329 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. 0.42 min
 Lab File: BG043605.D
 Acq: 12 Nov 2019 6:06

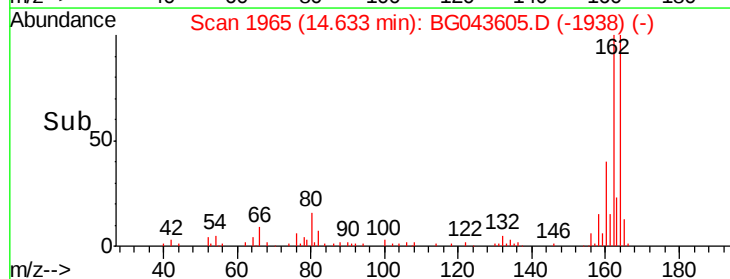
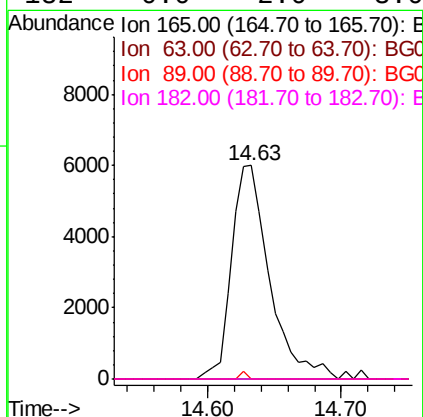
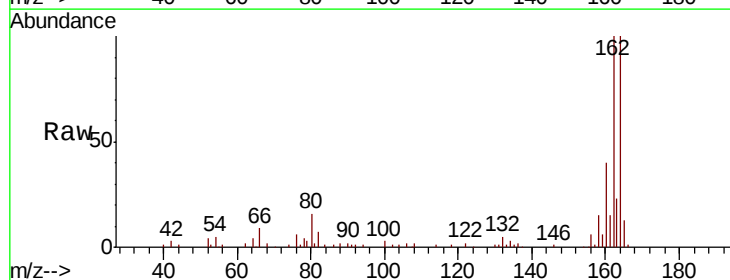
Instrument :
 BNA_G
 ClientSampleId :

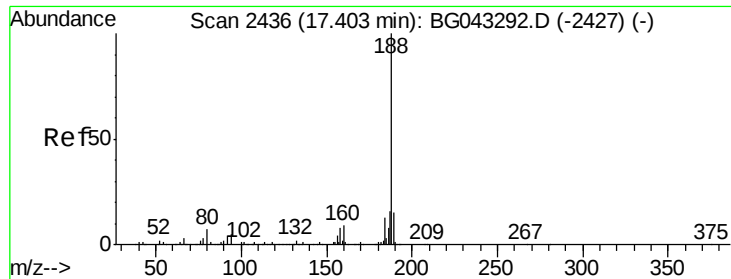
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.6	69.8#
89	0.0	45.1	67.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.828 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.37 min
 Lab File: BG043605.D
 Acq: 12 Nov 2019 6:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8#
89	0.0	52.2	78.4#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043605.D

Acq: 12 Nov 2019 6:06

Instrument :

BNA_G

ClientSampleId :

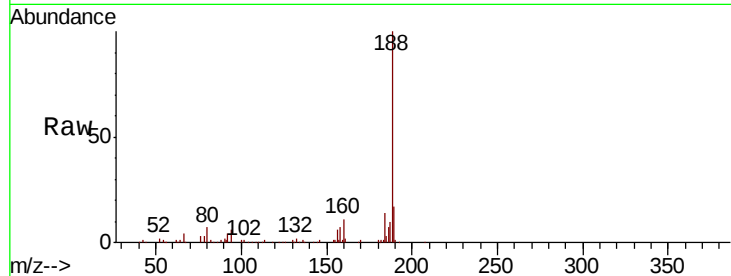
Tot Ion:188 Resp: 200169

Ion Ratio Lower Upper

188 100

94 6.2 4.2 6.4

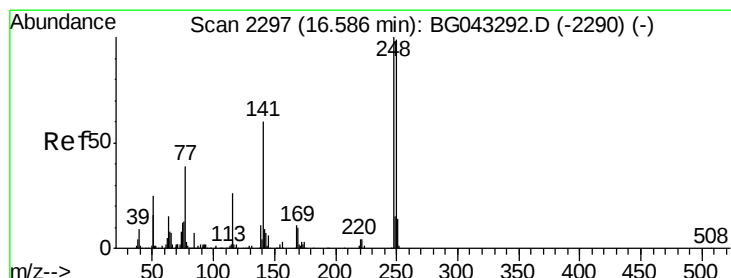
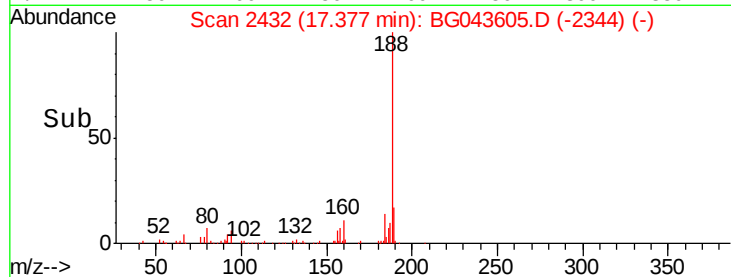
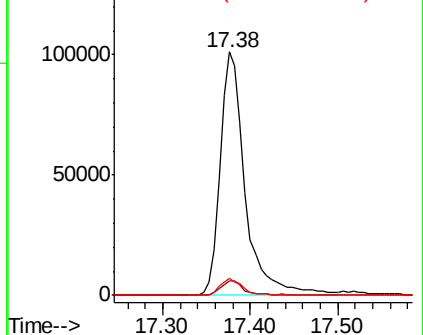
80 6.8 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 2.886 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG043605.D

Acq: 12 Nov 2019 6:06

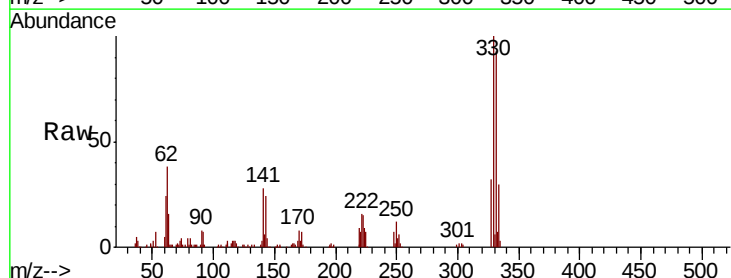
Tgt Ion:248 Resp: 7775

Ion Ratio Lower Upper

248 100

250 175.8 77.0 115.4#

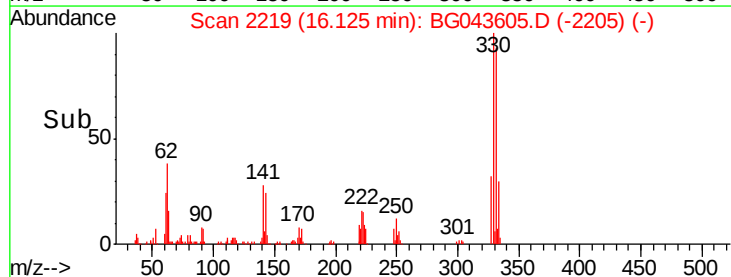
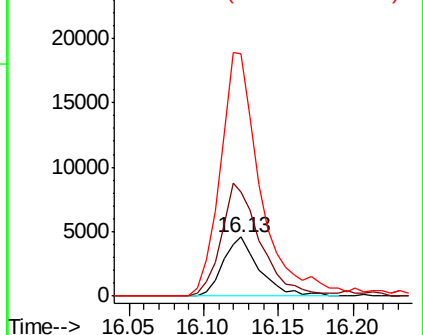
141 410.4 47.5 71.3#

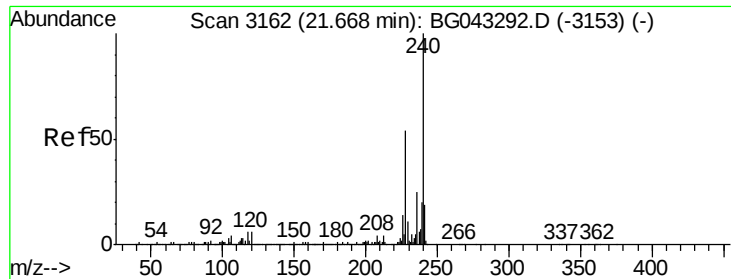


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

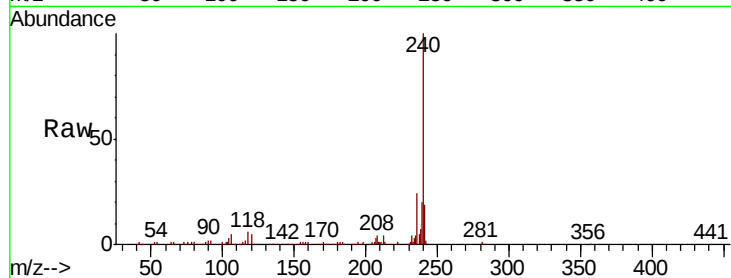




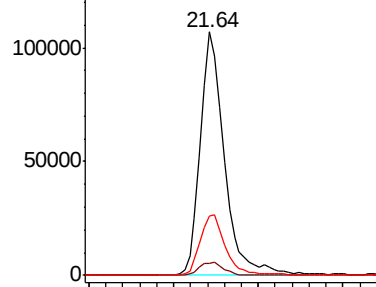
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3158
 Delta R.T. -0.01 min
 Lab File: BG043605.D
 Acq: 12 Nov 2019 6:06

Instrument :
 BNA_G
 ClientSampleId :

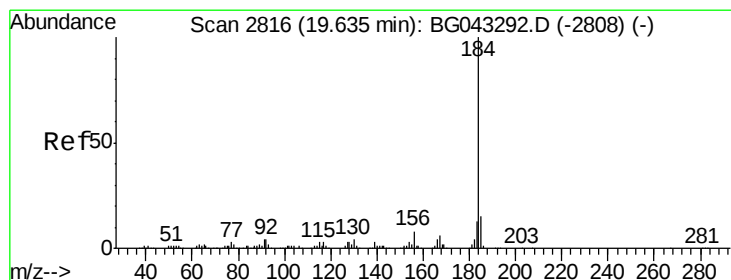
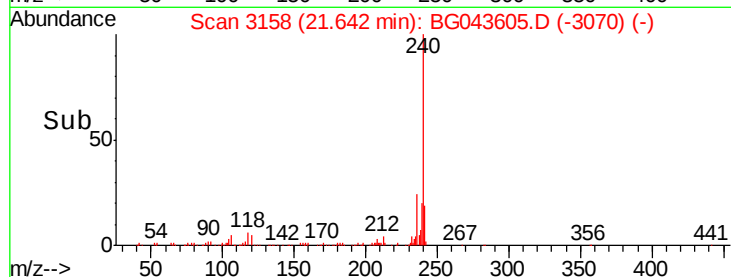
Tot Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.6	6.8
236	24.2	19.8	29.8



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

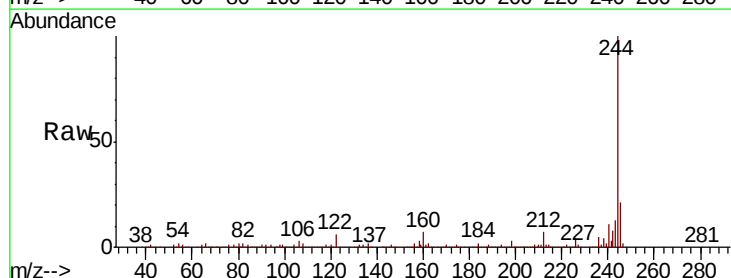


Time--> 21.50 21.60 21.70 21.80

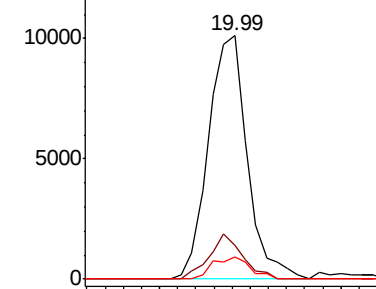


#77
 Benzidine
 Concen: 3.561 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. 0.37 min
 Lab File: BG043605.D
 Acq: 12 Nov 2019 6:06

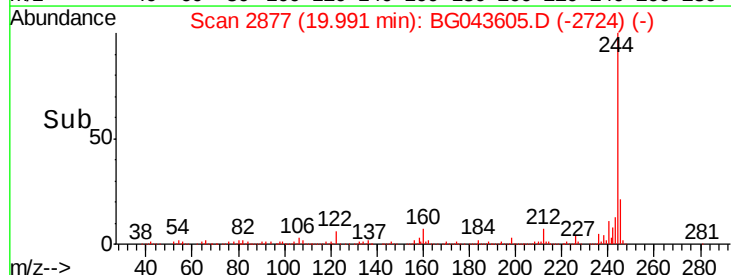
Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.0	16.4
183	9.1	10.0	15.0#

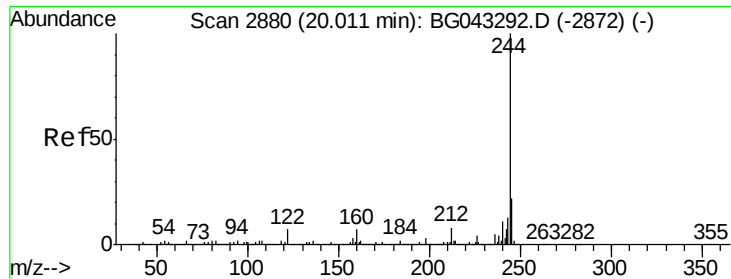


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E



Time--> 19.95 20.00 20.05



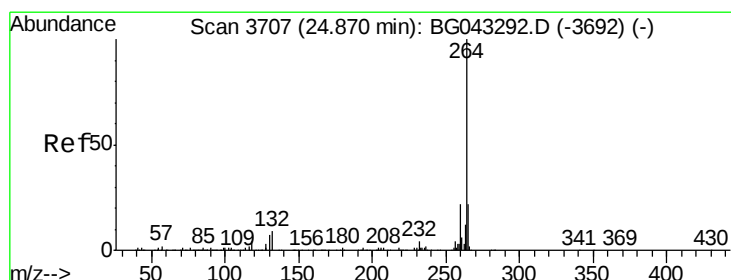
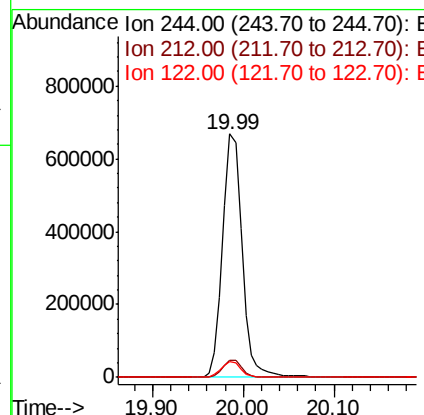
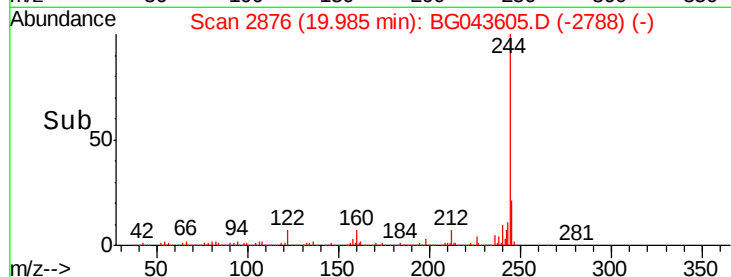
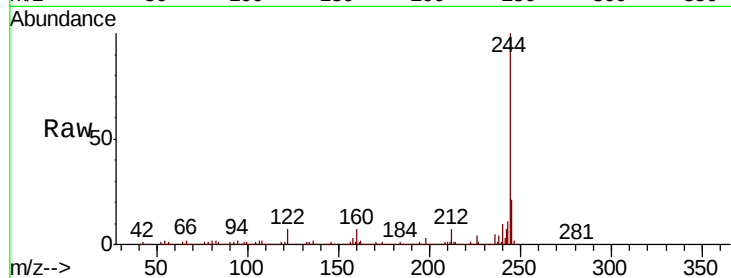


#79
 Terphenyl-d14
 Concen: 89.757 ng
 RT: 19.99 min Scan# 2876
 Delta R.T. -0.01 min
 Lab File: BG043605.D
 Acq: 12 Nov 2019 6:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1005659

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	6.7	5.4	8.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3699
 Delta R.T. -0.03 min
 Lab File: BG043605.D
 Acq: 12 Nov 2019 6:06

Tgt Ion:264 Resp: 246053

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.5	26.3
265	22.7	17.4	26.0

