

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042359.D
 Acq On : 20 Aug 2019 15:09
 Operator : HP/JU
 Sample : k4388-36
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 03:22:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	71716	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	271123	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	193355	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	448590	20.00	ng	0.00
76) Chrysene-d12	21.69	240	467978	20.00	ng	0.00
87) Perylene-d12	24.93	264	535876	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	469230	132.57	ng	0.00
7) Phenol-d6	7.17	99	567283	118.01	ng	0.00
23) Nitrobenzene-d5	9.17	82	404792	105.01	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	397036	150.77	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1226464	107.33	ng	0.00
79) Terphenyl-d14	20.03	244	2031681	95.09	ng	0.00

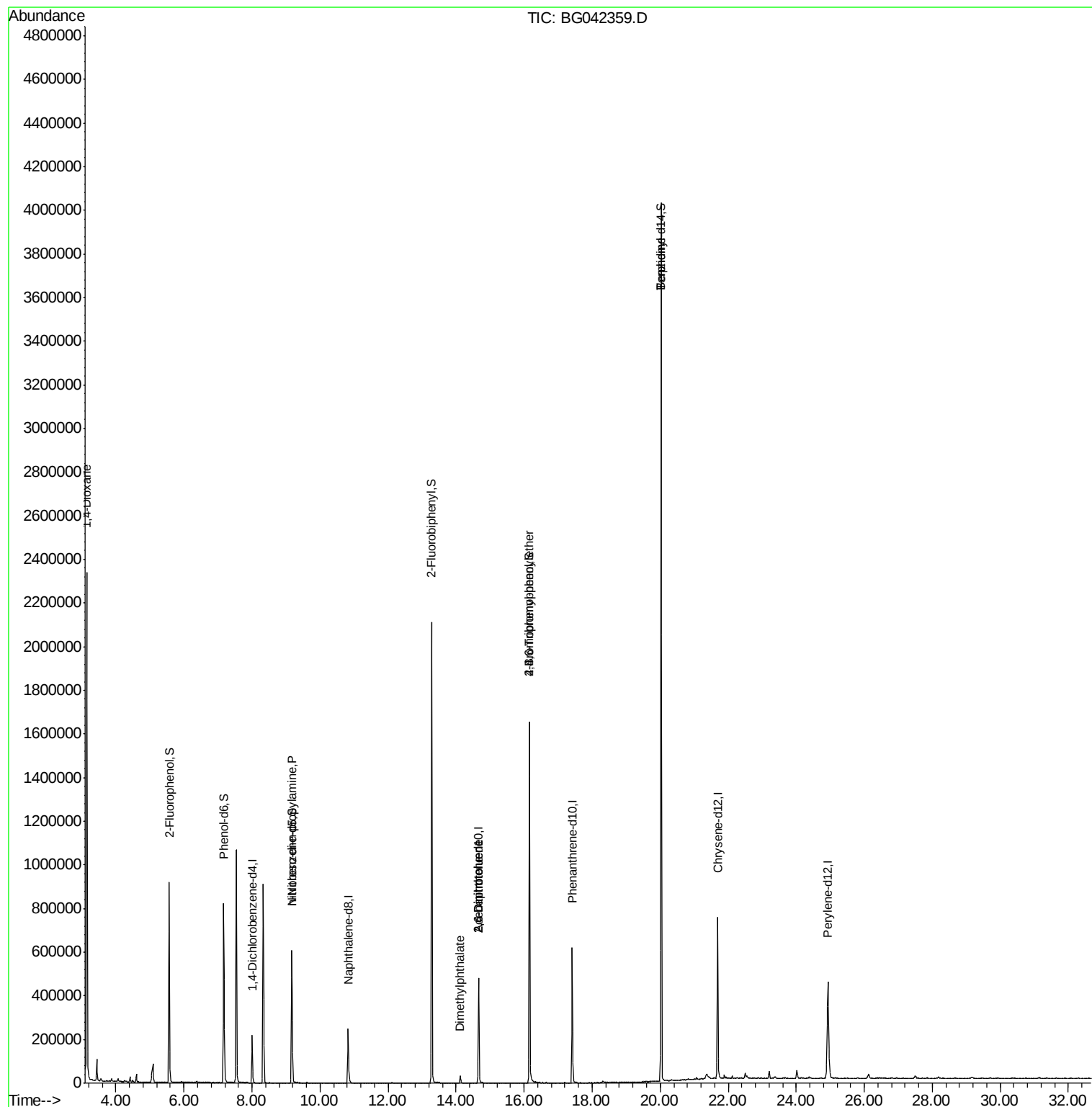
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	25146	16.473	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	52039	16.830	ng	# 71
50) Dimethylphthalate	14.12	163	38026	2.768	ng	# 96
51) 2,6-Dinitrotoluene	14.66	165	25654	7.978	ng	# 40
57) 2,4-Dinitrotoluene	14.66	165	25654	5.706	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	28175	4.935	ng	# 1
77) Benzidine	20.03	184	29713	2.395	ng	# 94

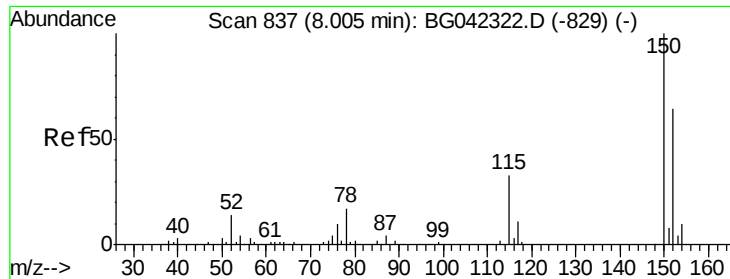
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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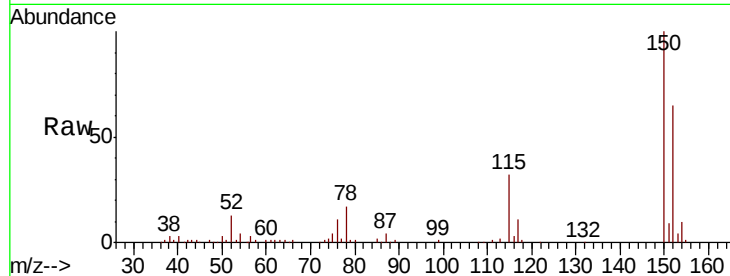


#1

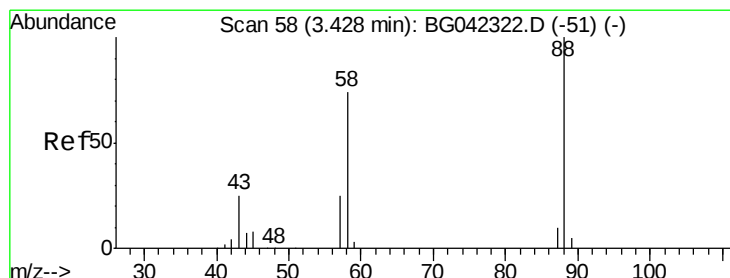
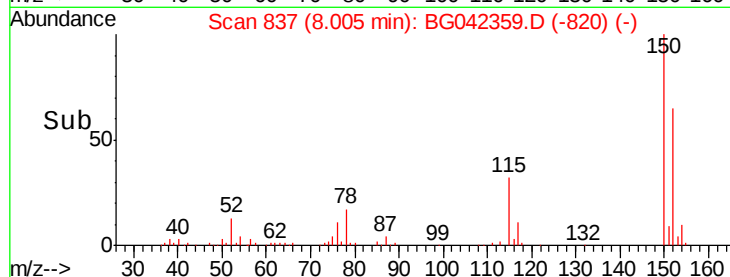
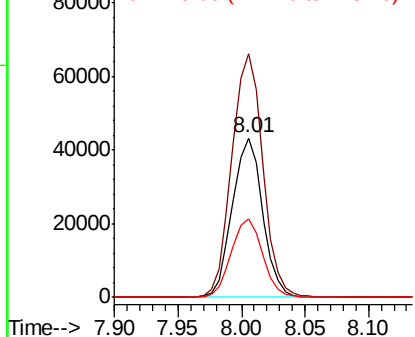
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG042359.D
Acq: 20 Aug 2019 15:09

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 71716
Ion Ratio Lower Upper
152 100
150 152.8 124.3 186.5
115 49.0 40.5 60.7



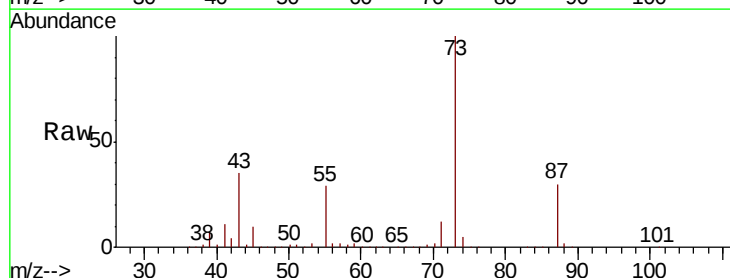
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



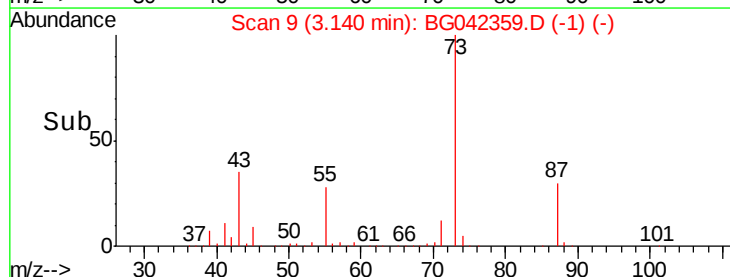
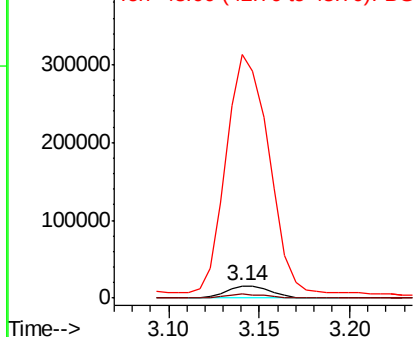
#2

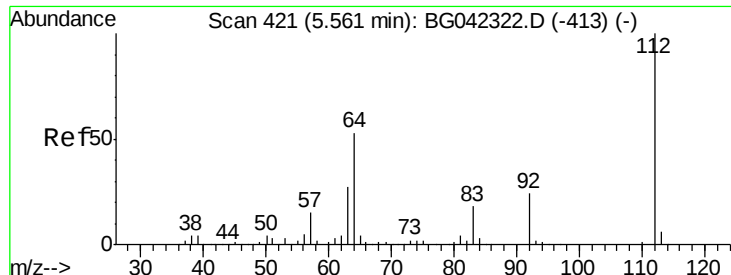
1,4-Dioxane
Concen: 16.473 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.29 min
Lab File: BG042359.D
Acq: 20 Aug 2019 15:09

Tgt Ion: 88 Resp: 25146
Ion Ratio Lower Upper
88 100
58 28.4 58.6 88.0#
43 2056.9 19.4 29.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 132.565 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042359.D

Acq: 20 Aug 2019 15:09

Instrument :

BNA_G

ClientSampleId :

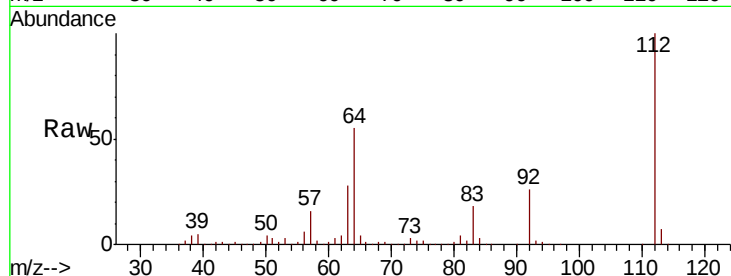
Tot Ion:112 Resp: 469230

Ion Ratio Lower Upper

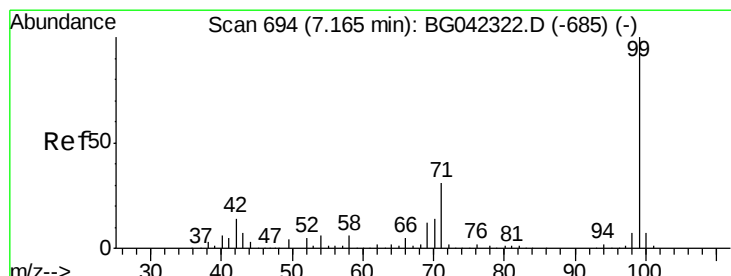
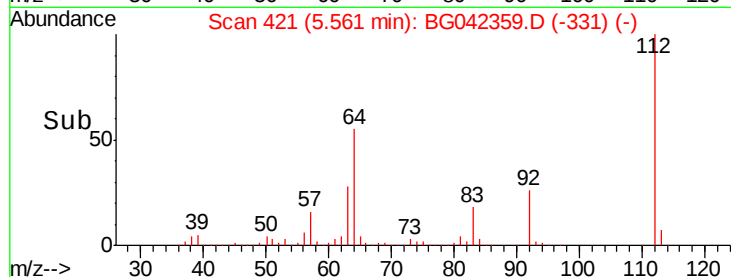
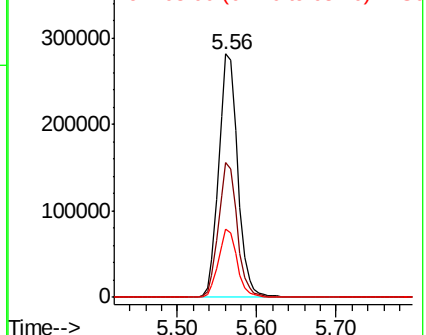
112 100

64 55.2 42.5 63.7

63 28.1 21.7 32.5



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



#7

Phenol-d6

Concen: 118.006 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042359.D

Acq: 20 Aug 2019 15:09

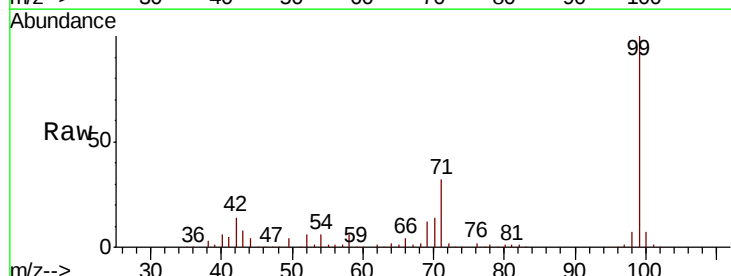
Tgt Ion: 99 Resp: 567283

Ion Ratio Lower Upper

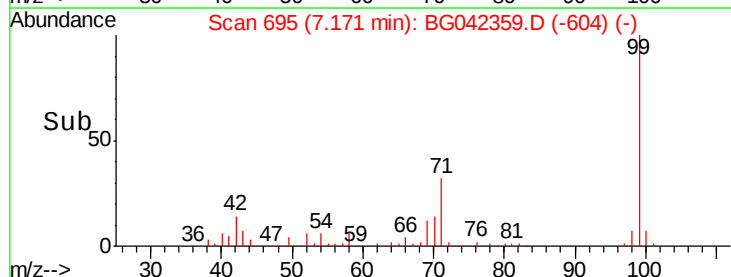
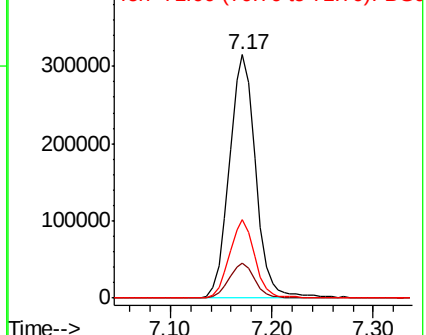
99 100

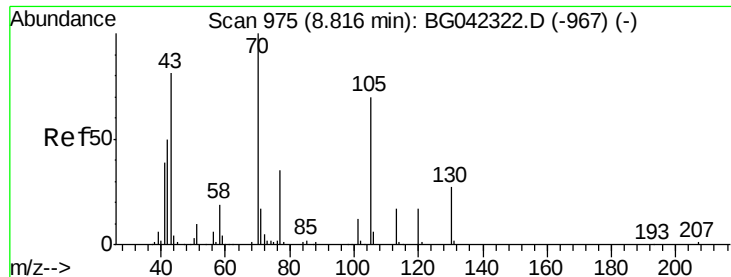
42 14.5 11.4 17.0

71 32.2 25.1 37.7



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

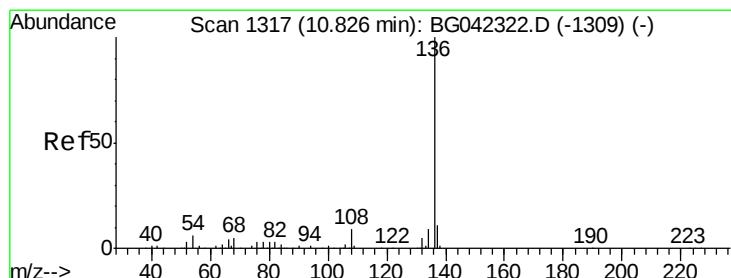
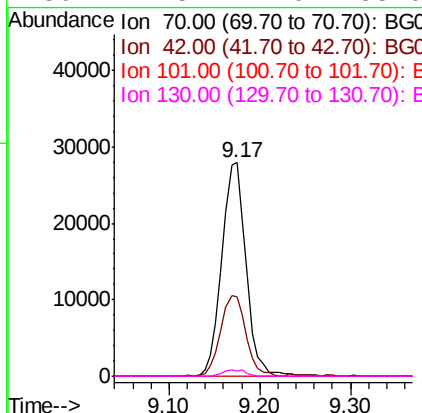
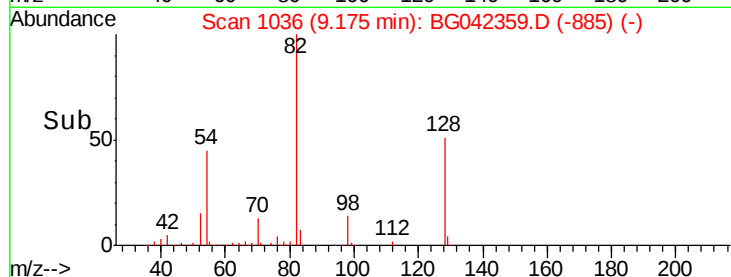
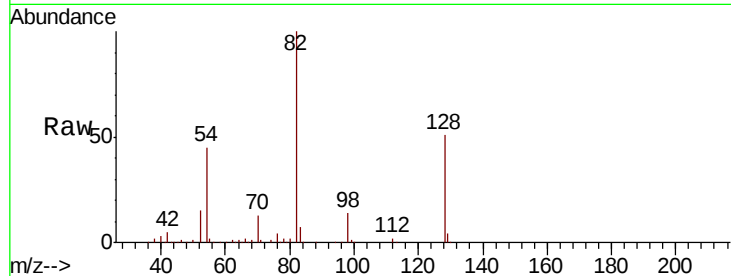




#19
n-Nitroso-di-n-propylamine
Concen: 16.830 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG042359.D
Acq: 20 Aug 2019 15:09

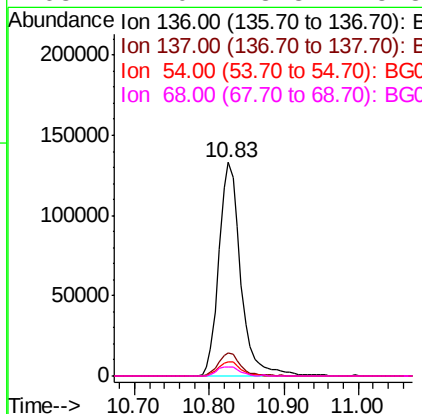
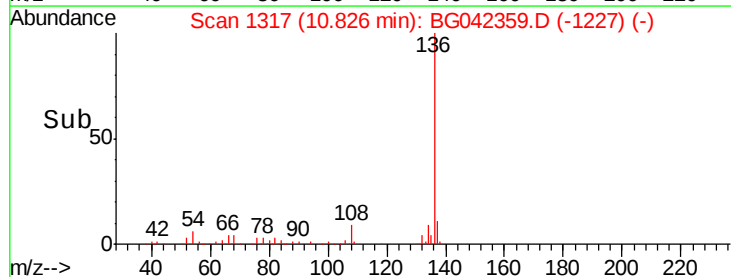
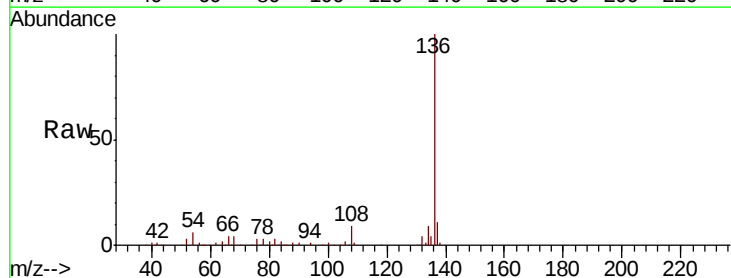
Instrument :
BNA_G
ClientSampleId :

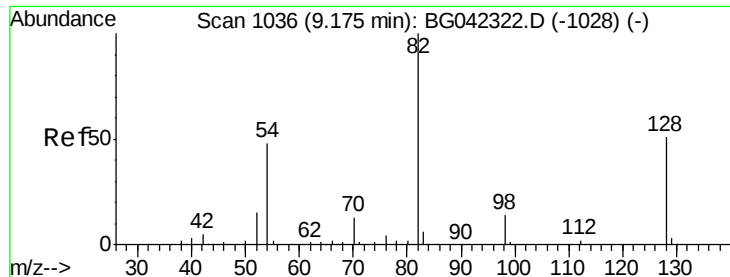
Tot Ion: 70 Resp: 52039
Ion Ratio Lower Upper
70 100
42 37.3 40.5 60.7#
101 0.0 9.3 13.9#
130 2.5 22.0 33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG042359.D
Acq: 20 Aug 2019 15:09

Tgt Ion: 136 Resp: 271123
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.4 5.0 7.4
68 4.0 3.8 5.8

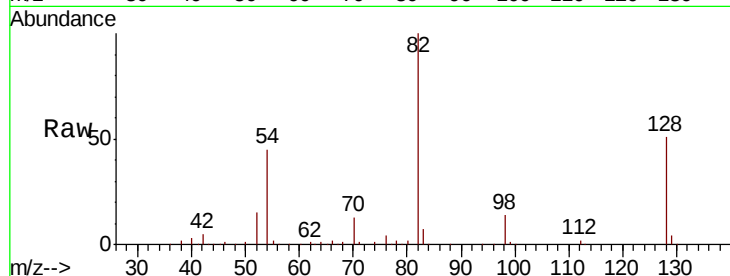




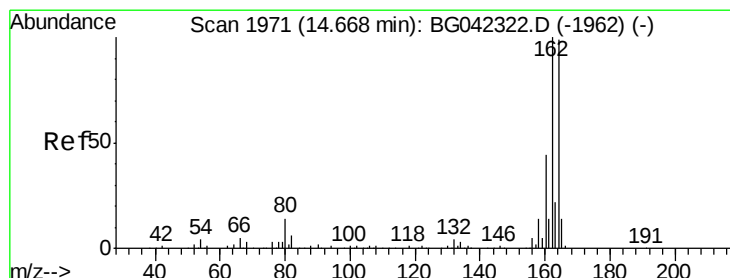
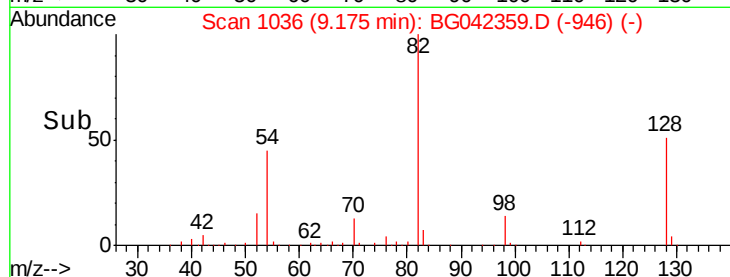
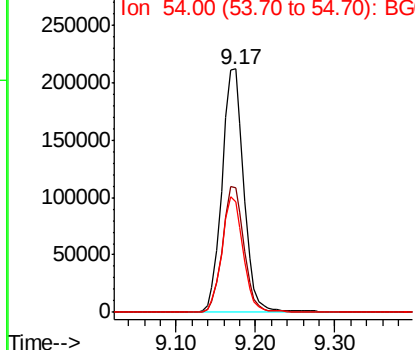
#23
 Nitrobenzene-d5
 Concen: 105.008 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BG042359.D
 Acq: 20 Aug 2019 15:09

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	404792
Ion Ratio	100		
Lower	41.0		
Upper	61.4		
128	51.2		
54	45.2		
	38.0		
	57.0		

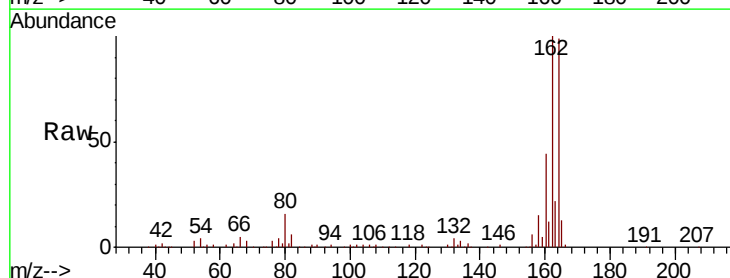


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

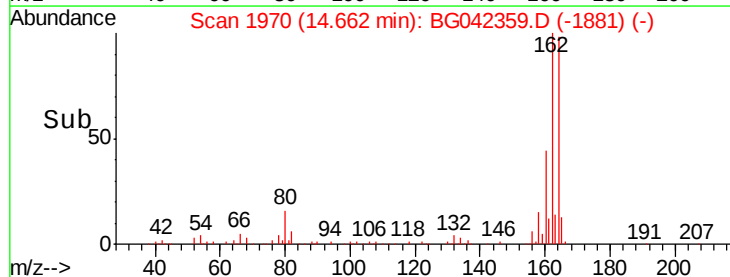
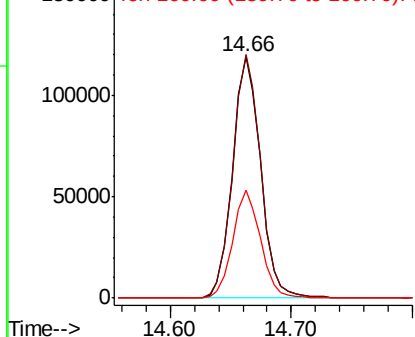


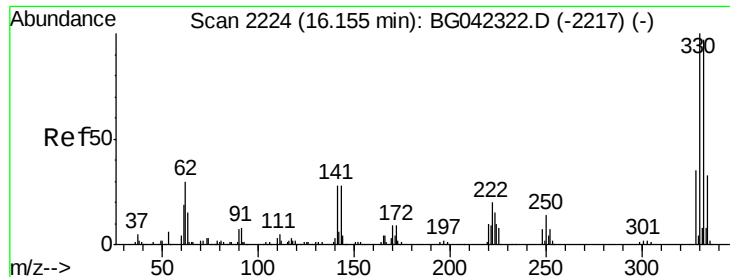
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BG042359.D
 Acq: 20 Aug 2019 15:09

Tgt Ion	164	Resp	193355
Ion Ratio	100		
Lower	80.6		
Upper	120.8		
162	101.0		
160	44.9		
	35.7		
	53.5		



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

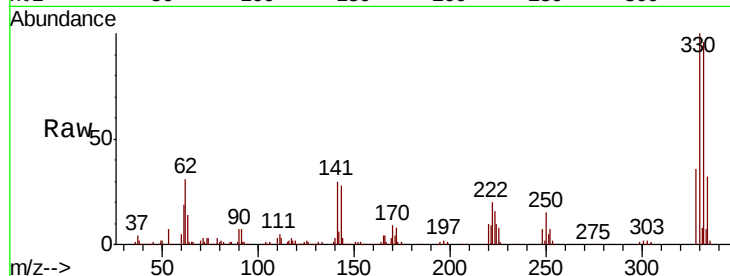




#42
 2,4,6-Tribromophenol
 Concen: 150.766 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: BG042359.D
 Acq: 20 Aug 2019 15:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.9	115.3
141	28.6	21.8	32.6

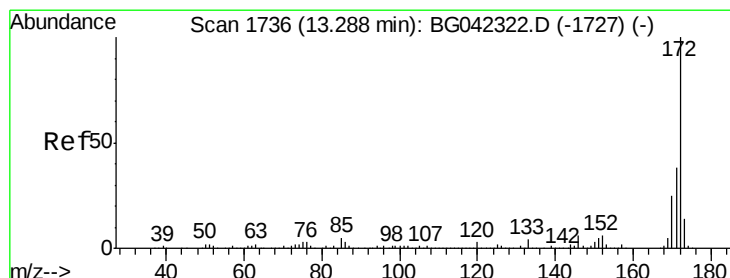
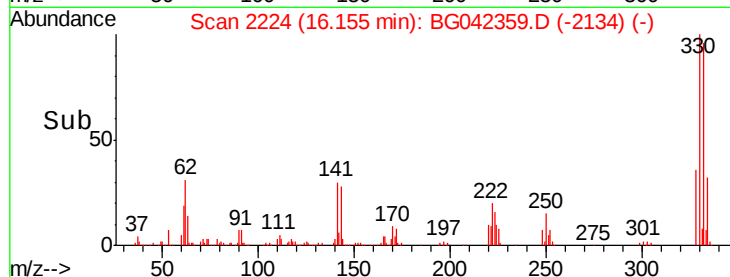
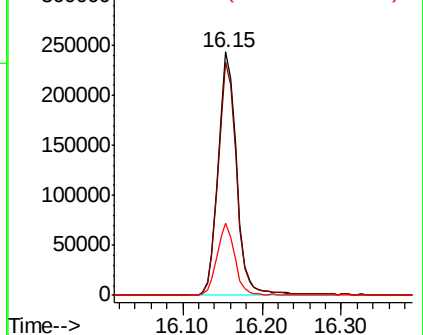


Abundance

Ion 329.80 (329.50 to 330.50): E

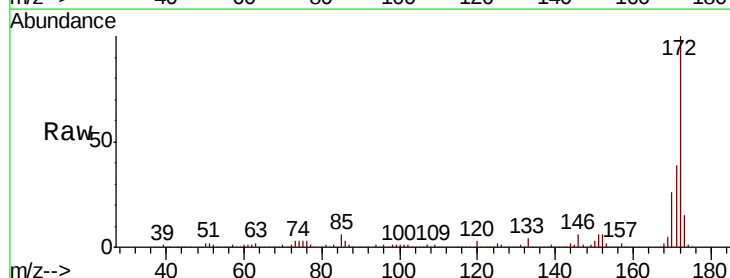
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 107.335 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG042359.D
 Acq: 20 Aug 2019 15:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	30.3	45.5
170	25.8	20.0	30.0

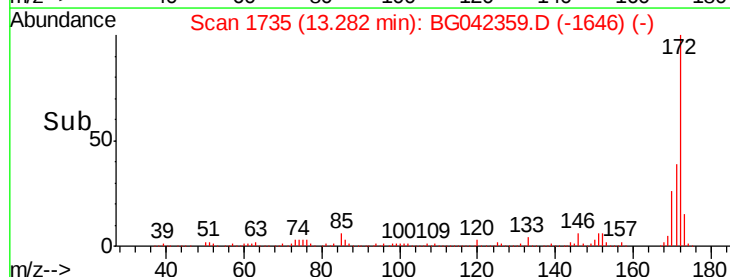
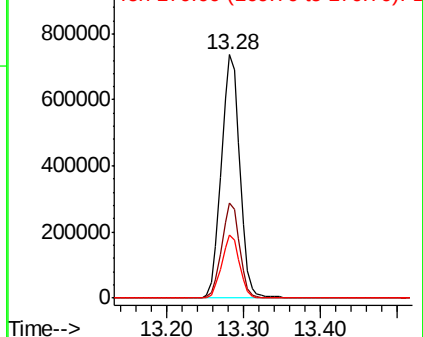


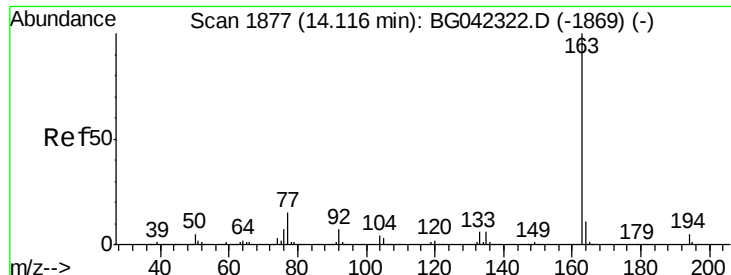
Abundance

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





#50

Dimethylphthalate

Concen: 2.768 ng

RT: 14.12 min Scan# 1878

Delta R.T. 0.01 min

Lab File: BG042359.D

Acq: 20 Aug 2019 15:09

Instrument :

BNA_G

ClientSampleId :

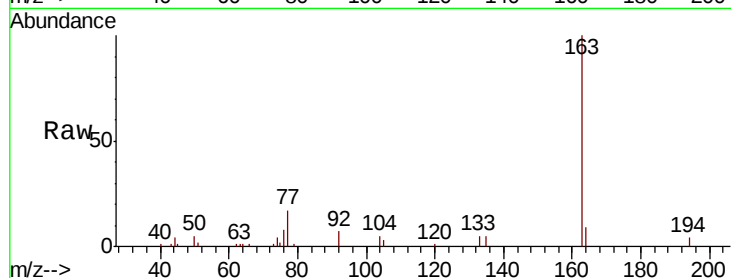
Tot Ion:163 Resp: 38026

Ion Ratio Lower Upper

163 100

194 4.2 4.2 6.2

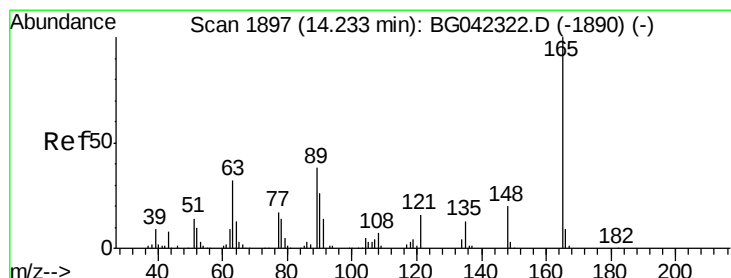
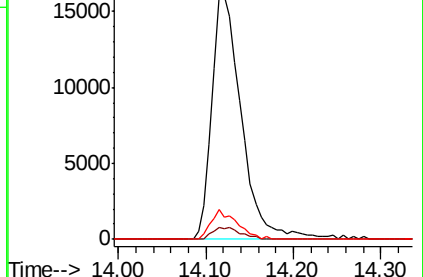
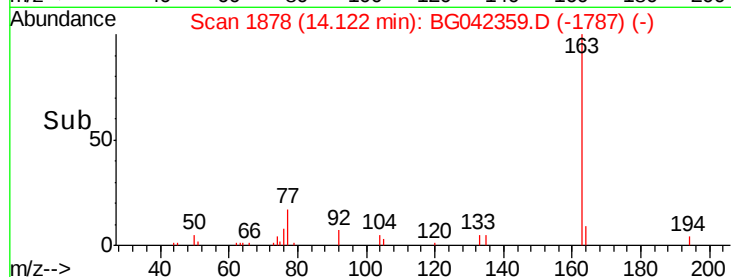
164 9.2 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.978 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042359.D

Acq: 20 Aug 2019 15:09

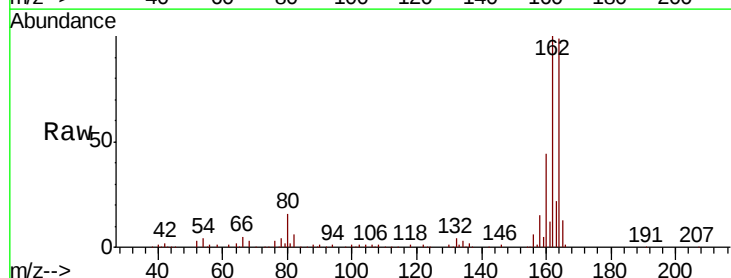
Tgt Ion:165 Resp: 25654

Ion Ratio Lower Upper

165 100

63 0.0 28.2 42.2#

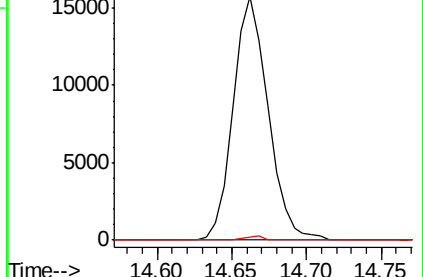
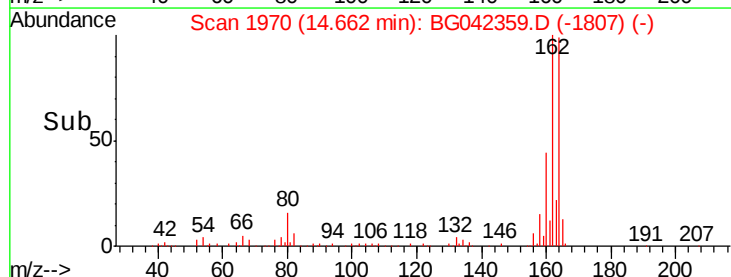
89 1.4 30.0 45.0#

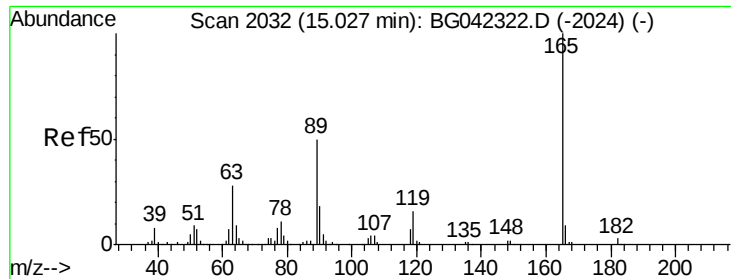


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

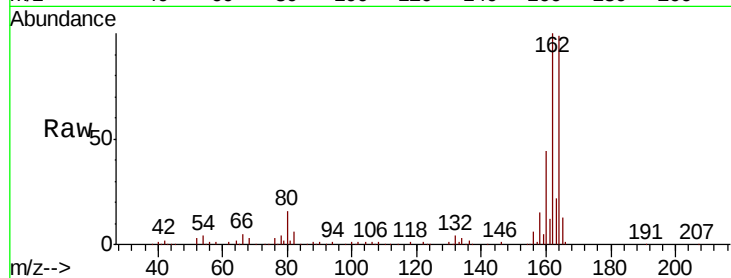




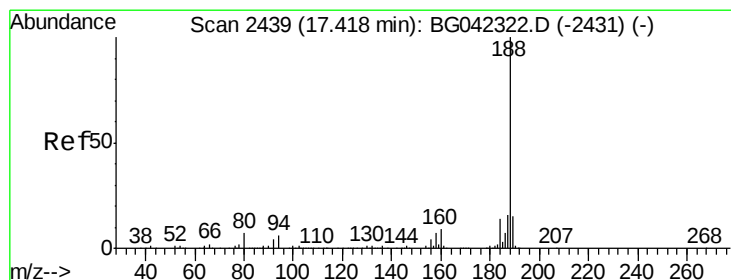
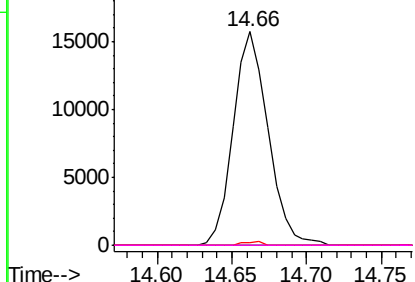
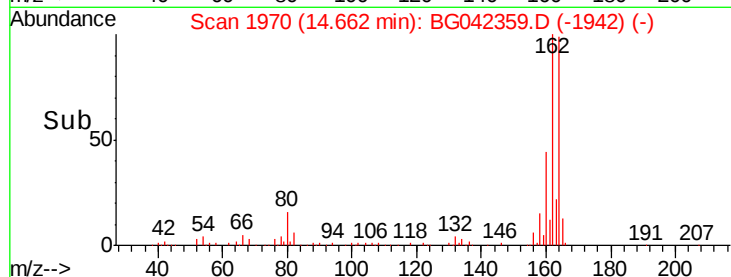
#57
 2,4-Dinitrotoluene
 Concen: 5.706 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042359.D
 Acq: 20 Aug 2019 15:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	25654
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.4	33.6#
89	1.4	40.2	60.2#
182	0.0	2.6	3.8#

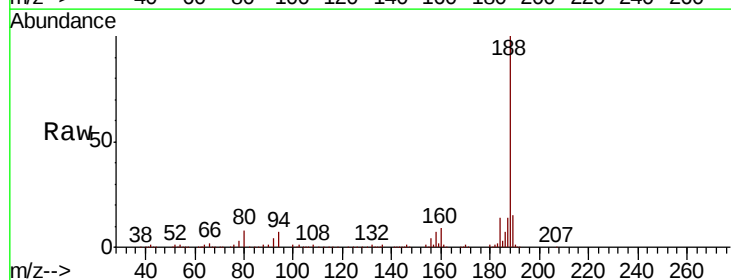


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

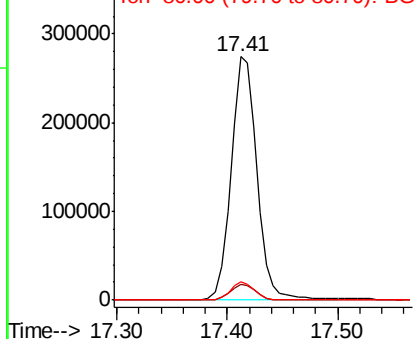
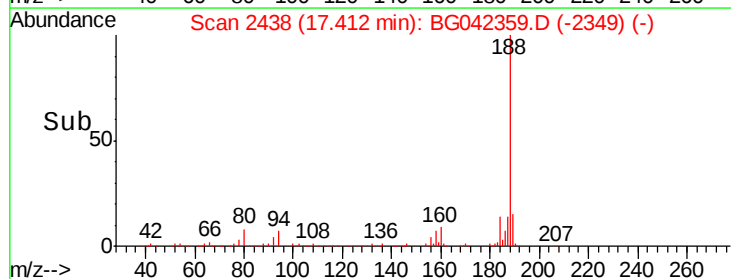


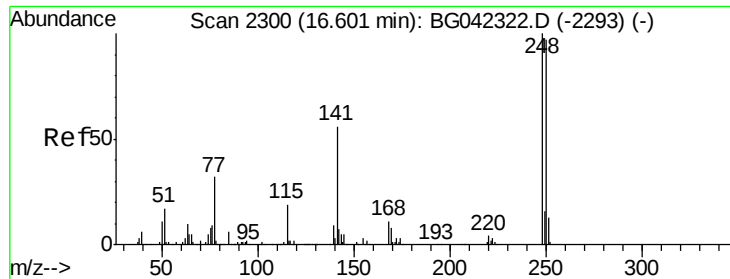
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042359.D
 Acq: 20 Aug 2019 15:09

Tgt Ion:	188	Resp:	448590
Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.9	7.3
80	7.6	5.4	8.0



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

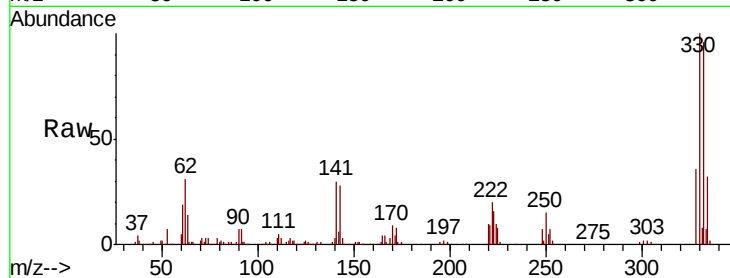




#67
 4-Bromophenyl-phenylether
 Concen: 4.935 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042359.D
 Acq: 20 Aug 2019 15:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.3	78.0	117.0#
141	404.8	44.9	67.3#

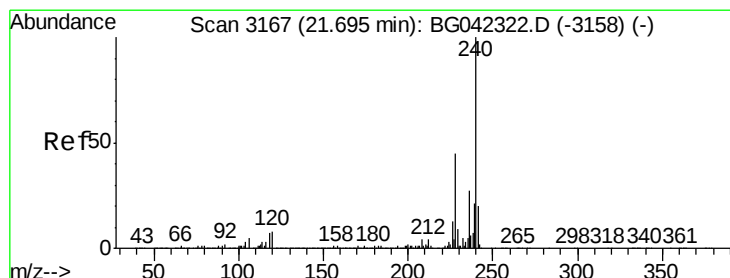
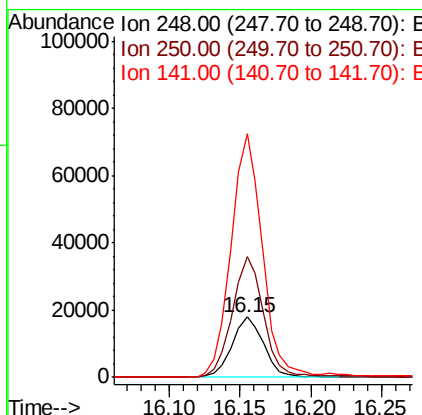
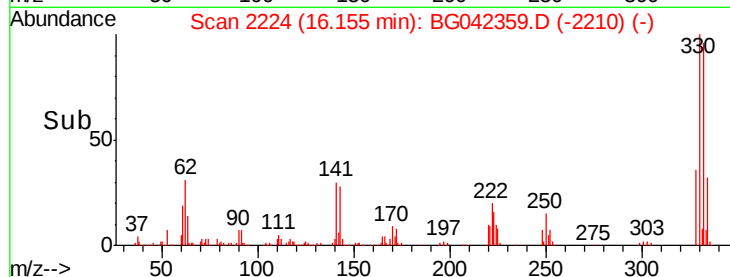


Abundance

Ion 248.00 (247.70 to 248.70): E

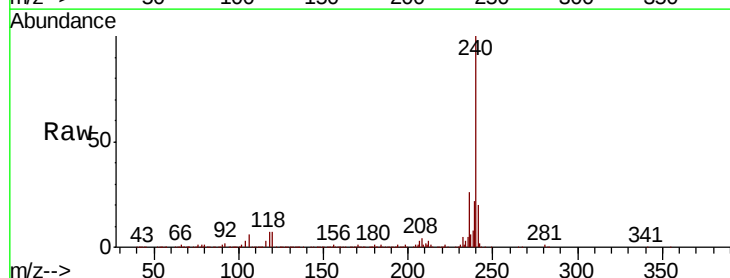
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042359.D
 Acq: 20 Aug 2019 15:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.0	9.0
236	26.1	21.6	32.4

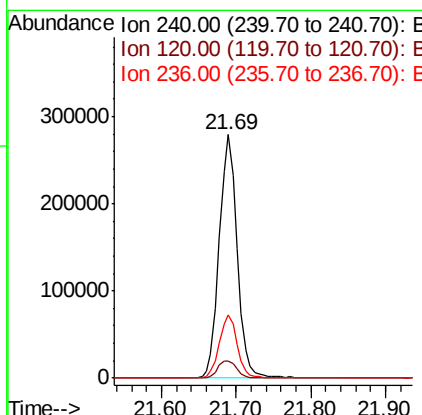
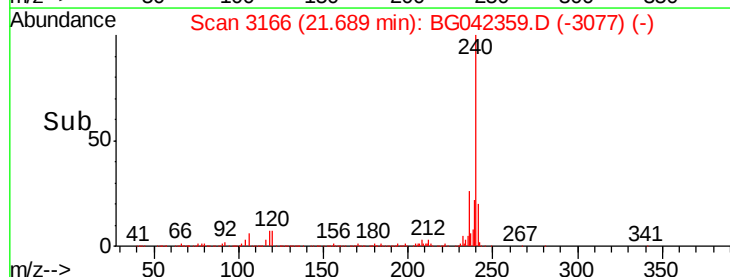


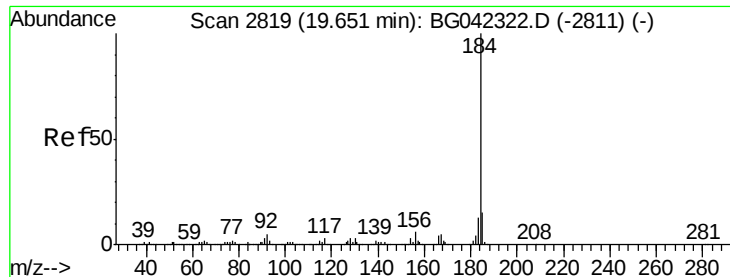
Abundance

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: 2.395 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042359.D

Acq: 20 Aug 2019 15:09

Instrument :

BNA_G

ClientSampleId :

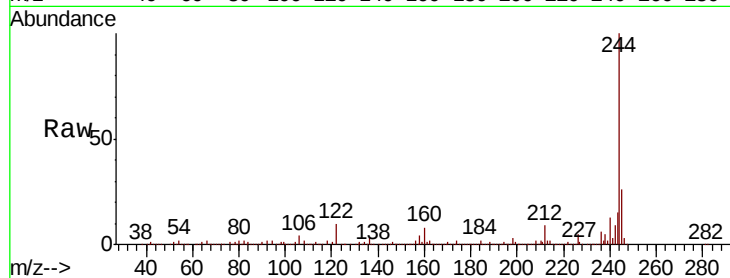
Tot Ion:184 Resp: 29713

Ion Ratio Lower Upper

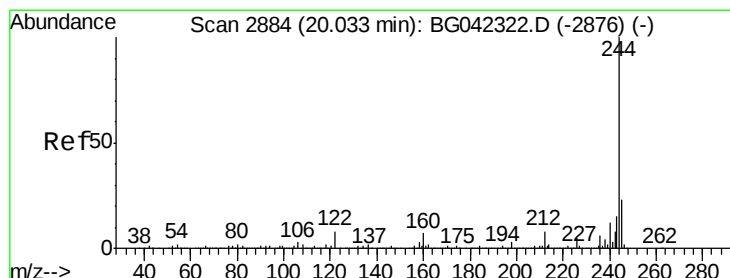
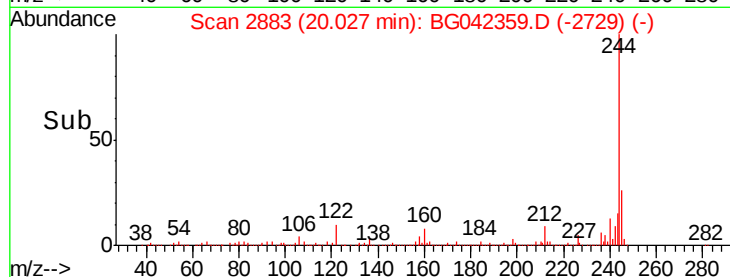
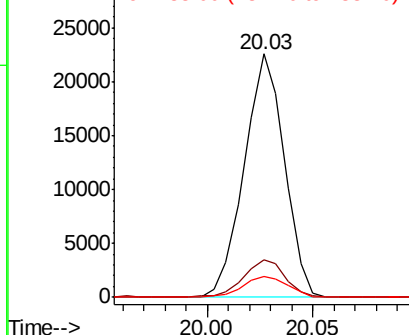
184 100

185 15.4 11.8 17.6

183 8.7 10.6 15.8#



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: 95.089 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042359.D

Acq: 20 Aug 2019 15:09

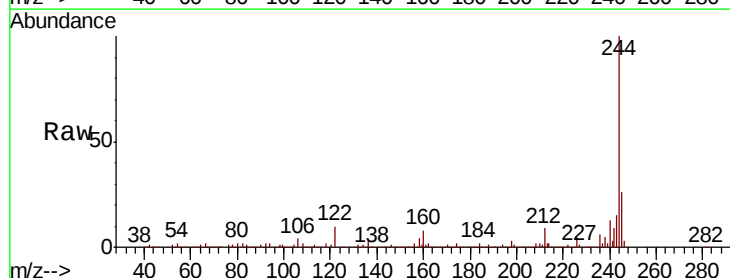
Tgt Ion:244 Resp: 2031681

Ion Ratio Lower Upper

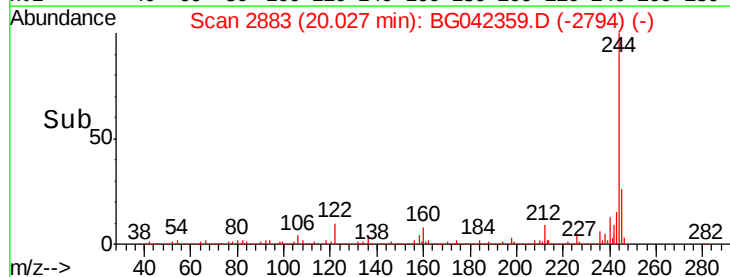
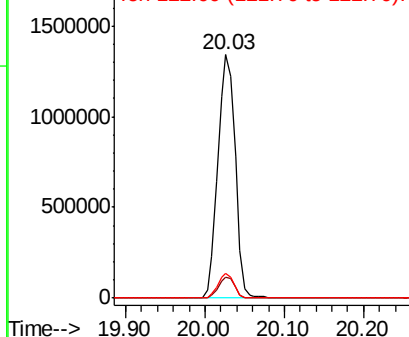
244 100

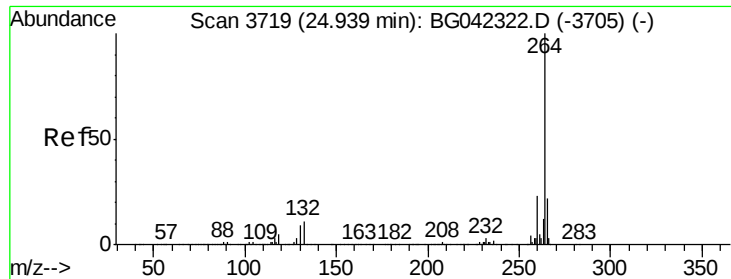
212 8.8 6.4 9.6

122 10.4 6.6 10.0#



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: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042359.D
 Acq: 20 Aug 2019 15:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	21.3	17.4	26.0

