

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082119\
 Data File : BG042390.D
 Acq On : 21 Aug 2019 19:20
 Operator : HP/JU
 Sample : K4330-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 22 01:23:51 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

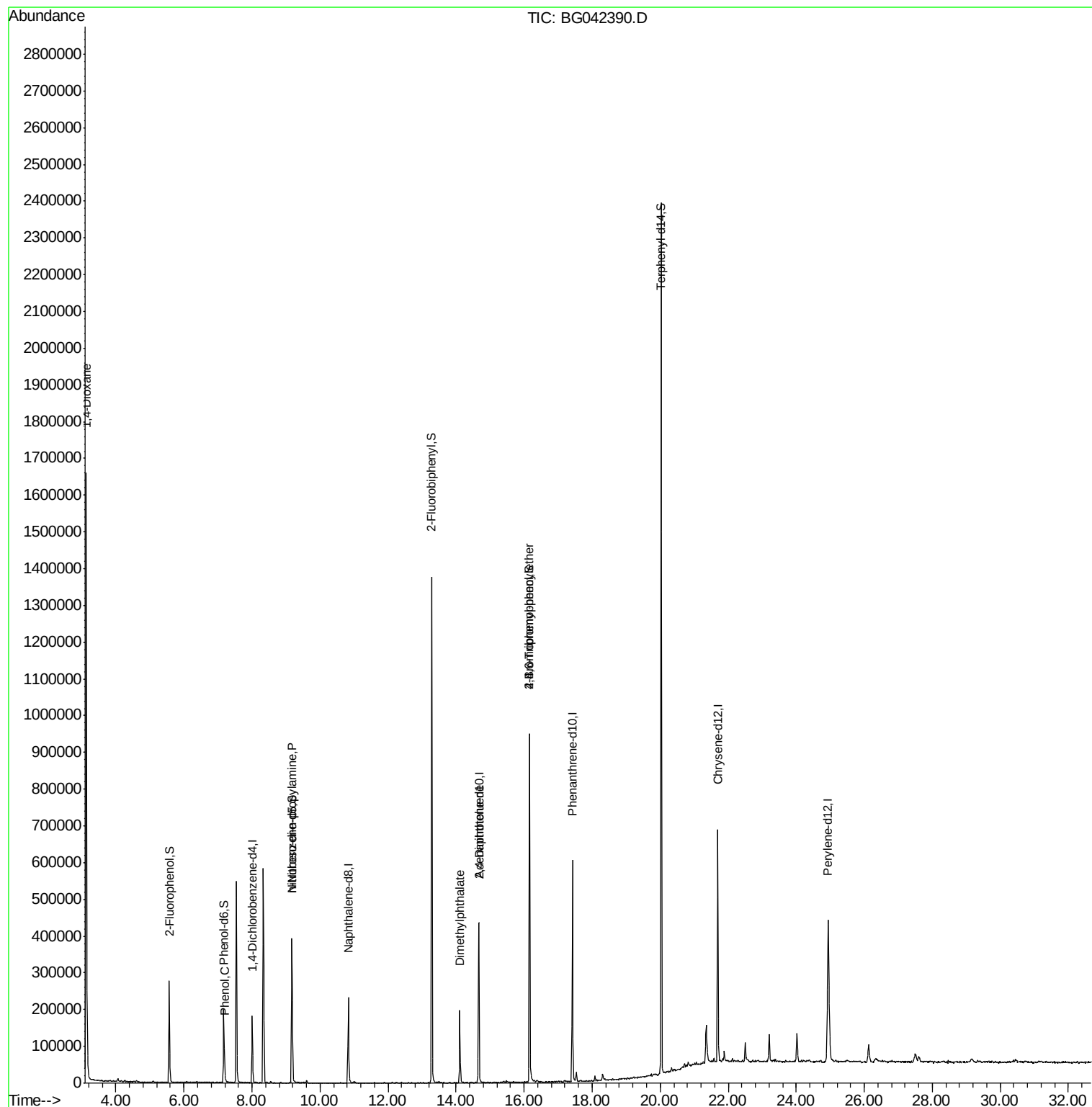
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	59835	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	241291	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	180849	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	401344	20.00	ng	0.00
76) Chrysene-d12	21.69	240	400858	20.00	ng	0.00
87) Perylene-d12	24.94	264	468053	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	146867	49.73	ng	0.00
7) Phenol-d6	7.17	99	141420	35.26	ng	0.00
23) Nitrobenzene-d5	9.17	82	259734	75.71	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	250310	101.62	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	824865	77.18	ng	0.00
79) Terphenyl-d14	20.03	244	1283193	70.11	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	17256	13.549	ng	# 1
10) Phenol	7.20	94	11917	2.922	ng	# 87
19) n-Nitroso-di-n-propylamine	9.17	70	32598	12.636	ng	# 75
50) Dimethylphthalate	14.11	163	165134	12.850	ng	# 100
57) 2,4-Dinitrotoluene	14.66	165	23256	5.531	ng	# 38
67) 4-Bromophenyl-phenylether	16.16	248	17140	3.356	ng	# 1

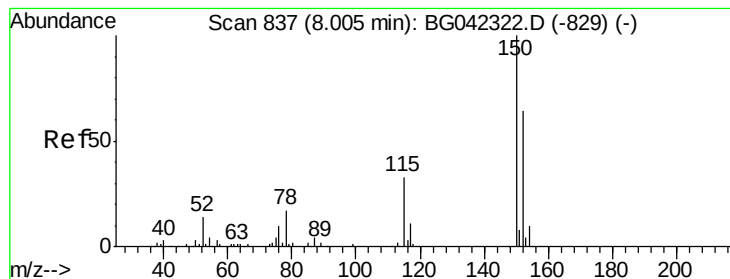
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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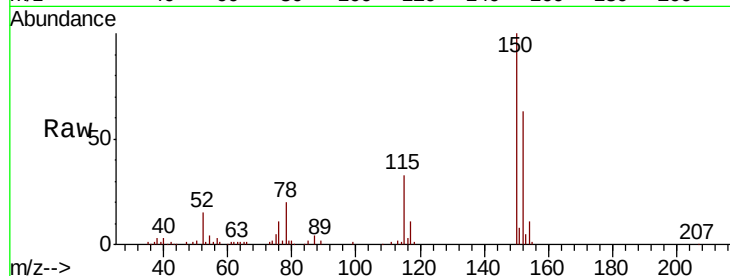


#1

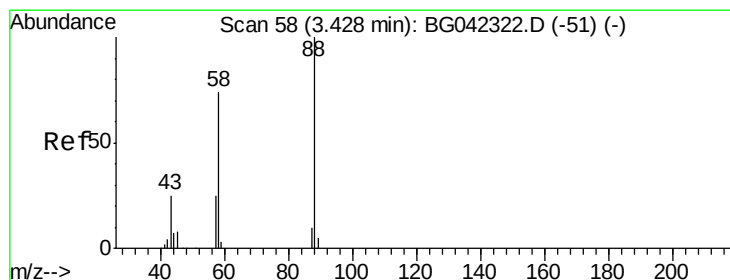
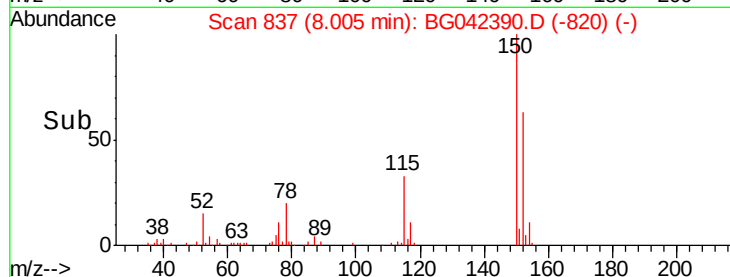
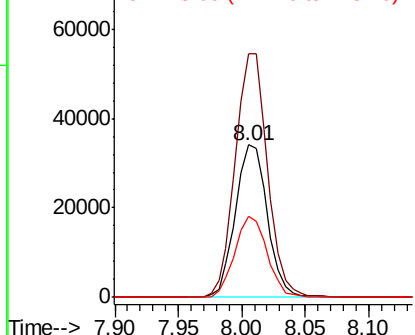
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG042390.D
Acq: 21 Aug 2019 19:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.3	186.5
115	53.3	40.5	60.7



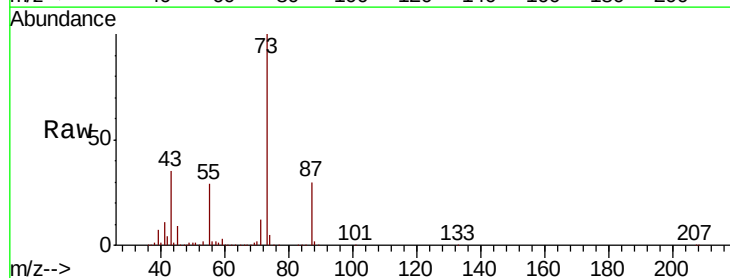
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



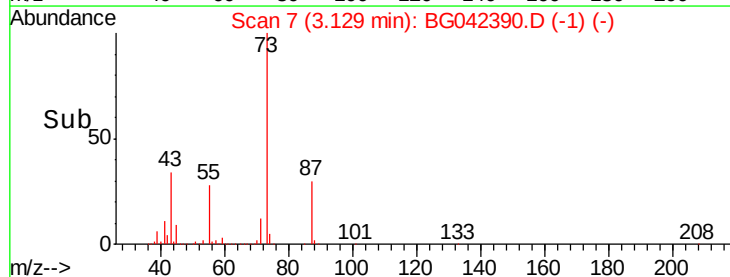
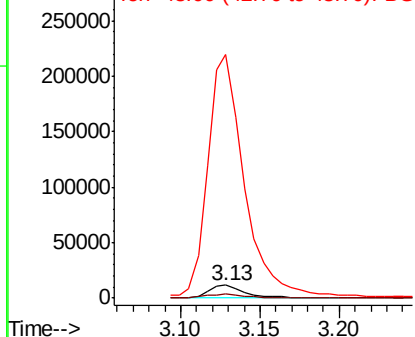
#2

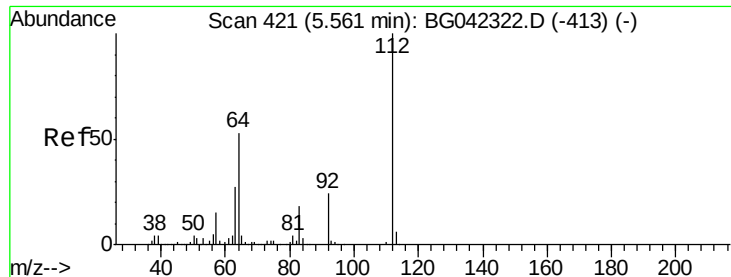
1,4-Dioxane
Concen: 13.549 ng
RT: 3.13 min Scan# 7
Delta R.T. -0.30 min
Lab File: BG042390.D
Acq: 21 Aug 2019 19:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	23.4	58.6	88.0#
43	1994.5	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: 49.731 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG042390.D

Acq: 21 Aug 2019 19:20

Instrument :

BNA_G

ClientSampled :

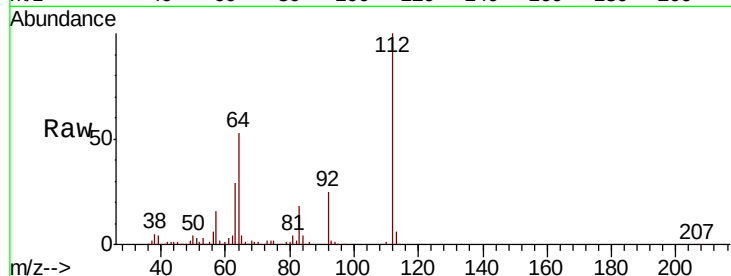
Tot Ion:112 Resp: 146867

Ion Ratio Lower Upper

112 100

64 53.5 42.5 63.7

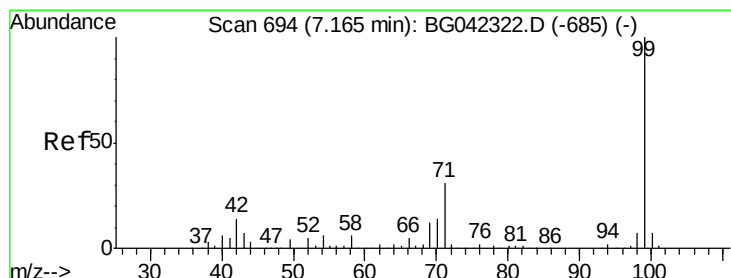
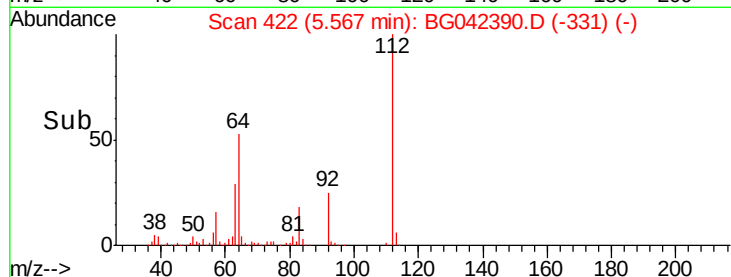
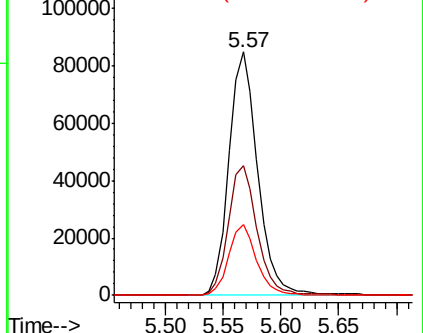
63 29.1 21.7 32.5



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: 35.260 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042390.D

Acq: 21 Aug 2019 19:20

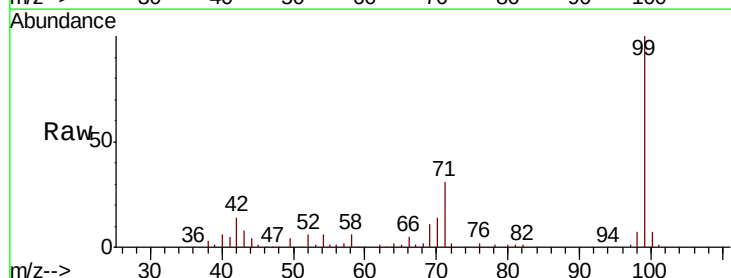
Tgt Ion: 99 Resp: 141420

Ion Ratio Lower Upper

99 100

42 14.4 11.4 17.0

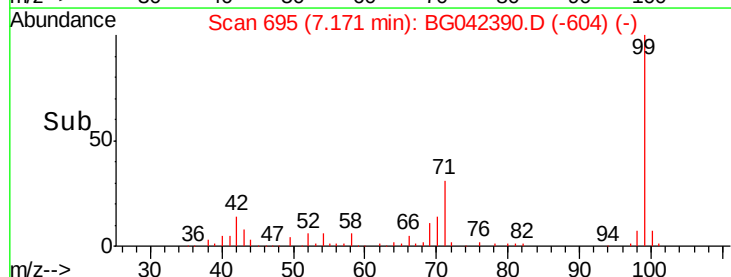
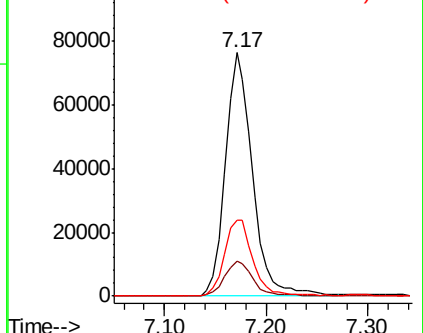
71 31.1 25.1 37.7

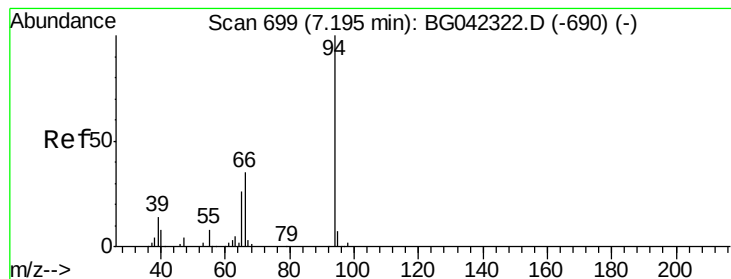


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.922 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG042390.D

Acq: 21 Aug 2019 19:20

Instrument :

BNA_G

ClientSampleId :

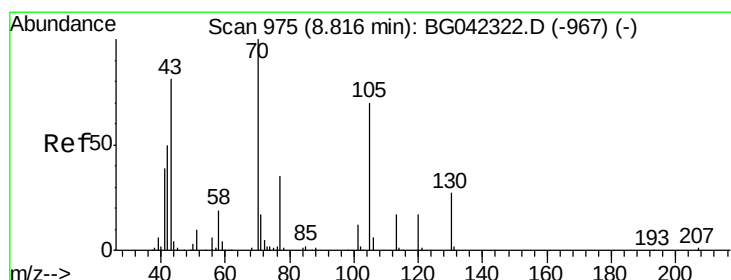
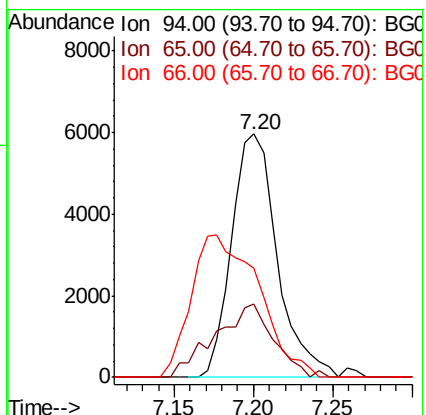
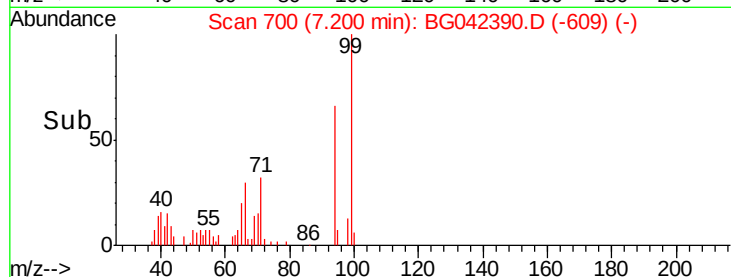
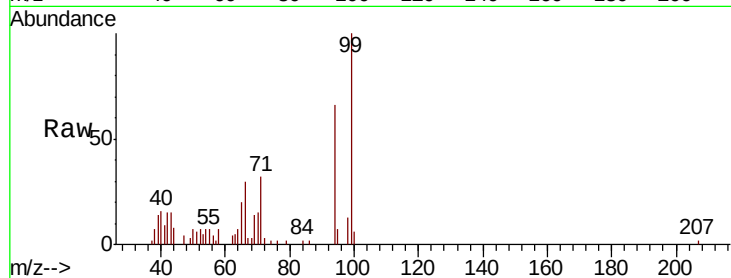
Tot Ion: 94 Resp: 11917

Ion Ratio Lower Upper

94 100

65 30.3 6.1 46.1

66 44.9 15.7 55.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.636 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG042390.D

Acq: 21 Aug 2019 19:20

Tgt Ion: 70 Resp: 32598

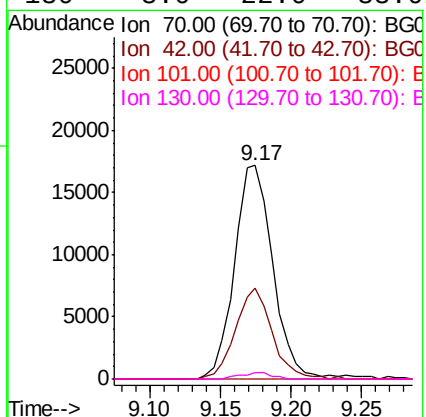
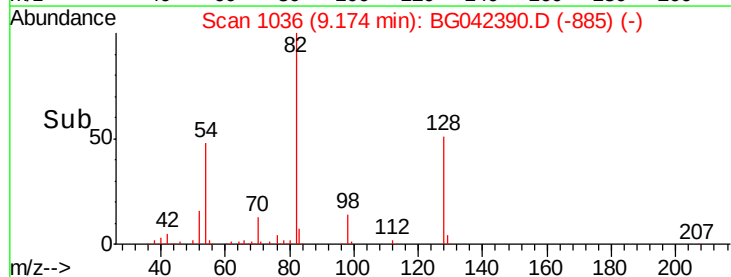
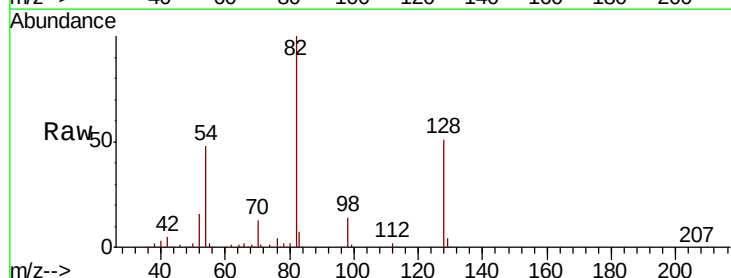
Ion Ratio Lower Upper

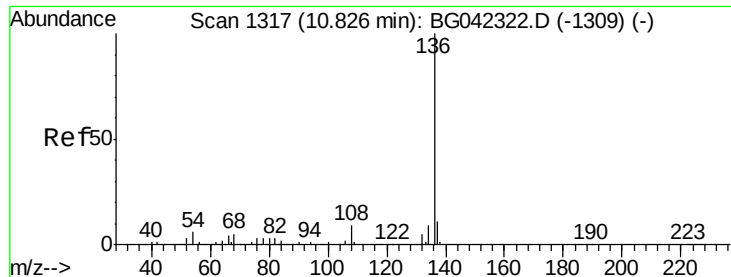
70 100

42 42.6 40.5 60.7

101 0.0 9.3 13.9#

130 3.0 22.0 33.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BG042390.D

Acq: 21 Aug 2019 19:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 241291

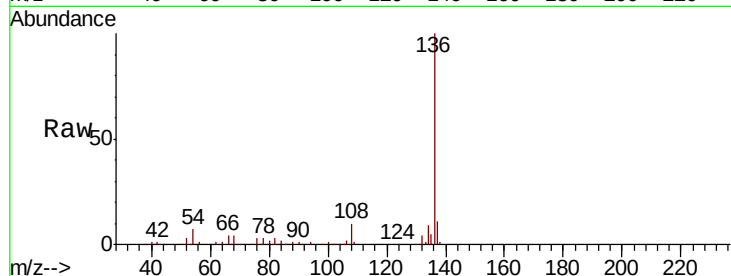
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 6.7 5.0 7.4

68 4.4 3.8 5.8

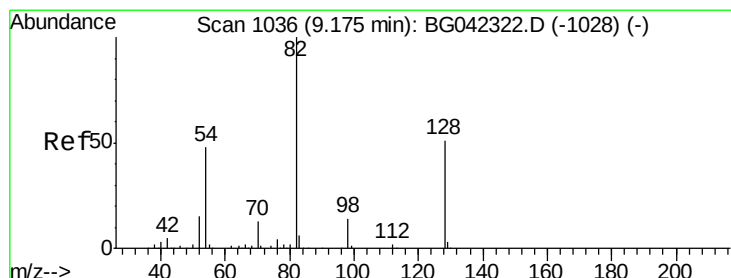
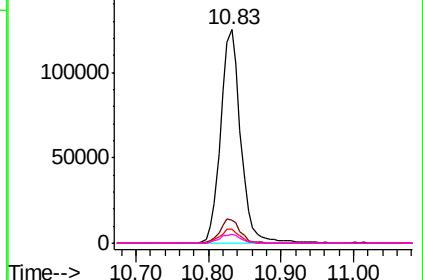
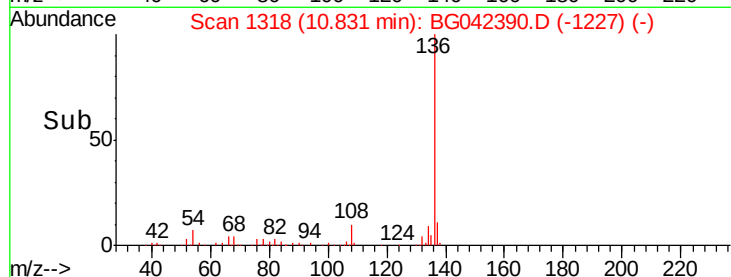


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.709 ng

RT: 9.17 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG042390.D

Acq: 21 Aug 2019 19:20

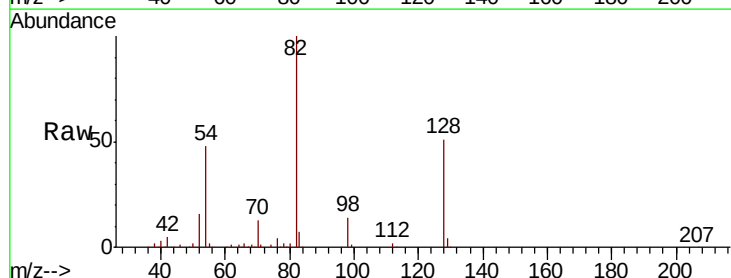
Tgt Ion: 82 Resp: 259734

Ion Ratio Lower Upper

82 100

128 51.4 41.0 61.4

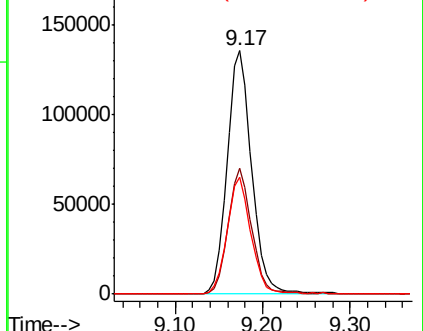
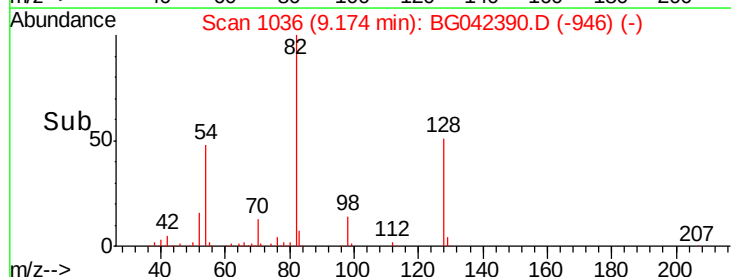
54 47.8 38.0 57.0

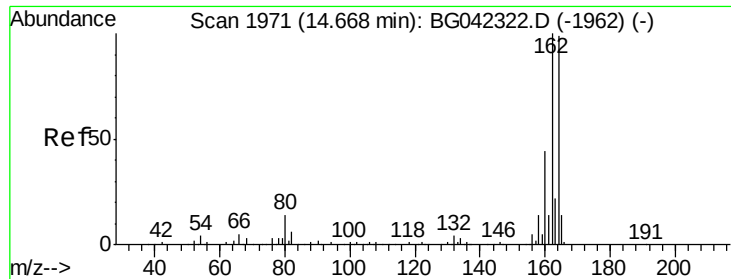


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

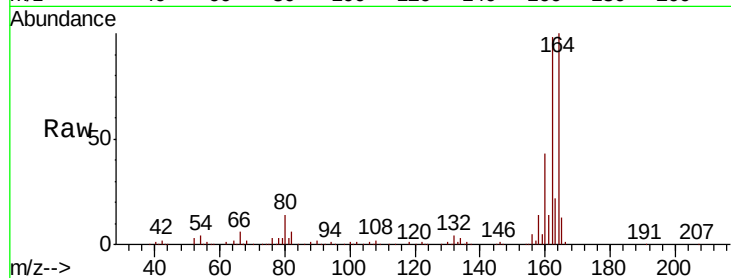




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: BG042390.D
 Acq: 21 Aug 2019 19:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.7	80.6	120.8
160	43.2	35.7	53.5

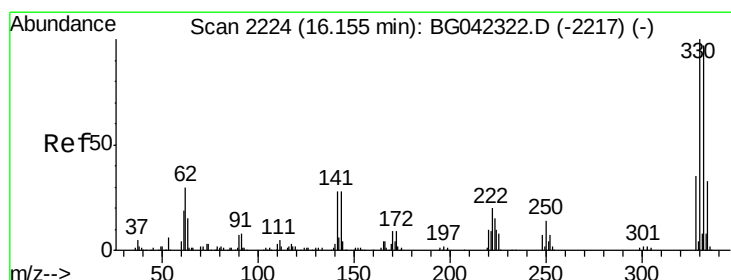
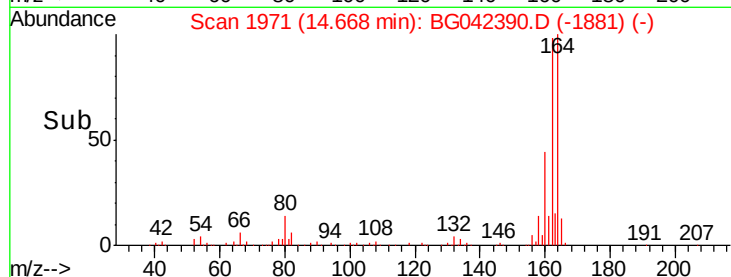
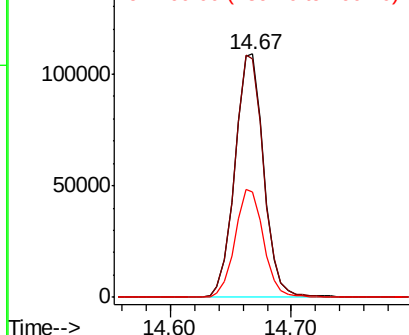


Abundance

Ion 164.00 (163.70 to 164.70): E

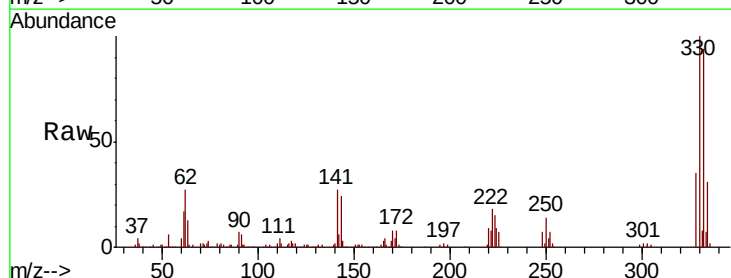
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
 2,4,6-Tribromophenol
 Concen: 101.623 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BG042390.D
 Acq: 21 Aug 2019 19:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	27.3	21.8	32.6

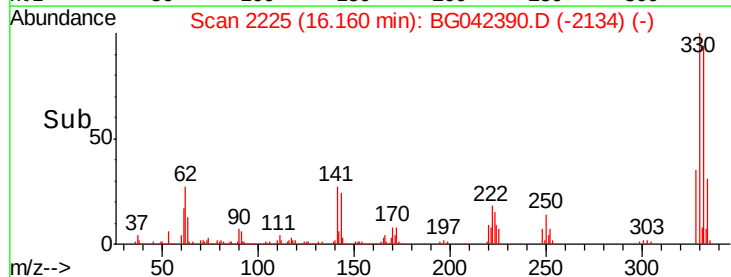
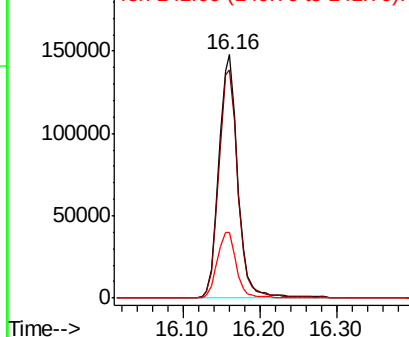


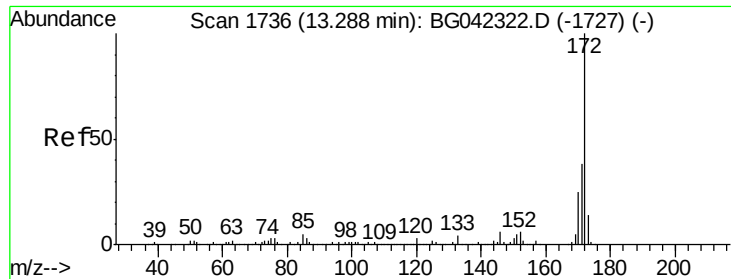
Abundance

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

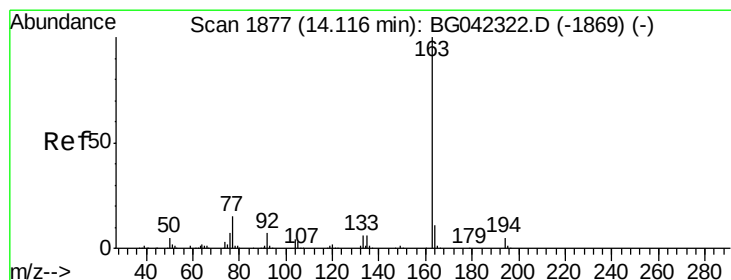
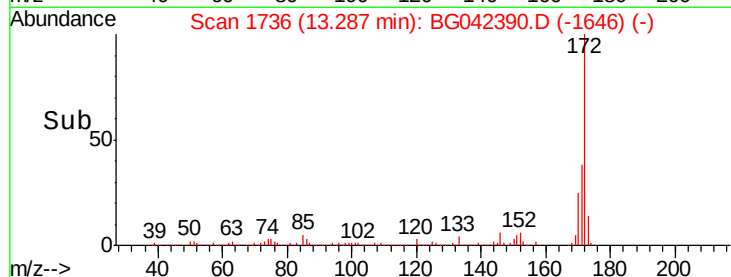
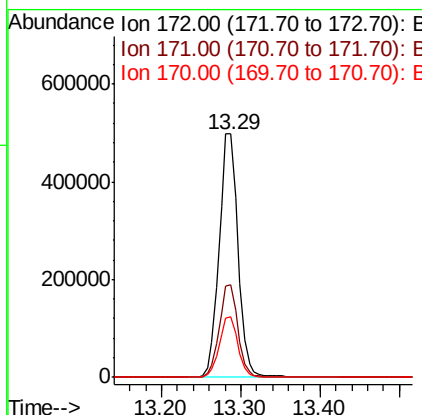
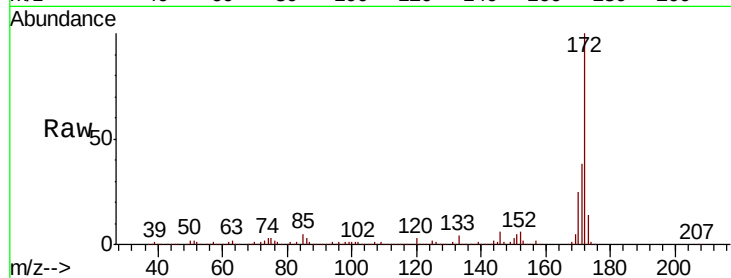




#45
2-Fluorobiphenyl
Concen: 77.181 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.00 min
Lab File: BG042390.D
Acq: 21 Aug 2019 19:20

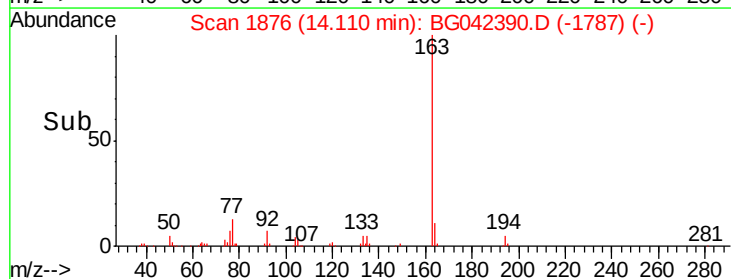
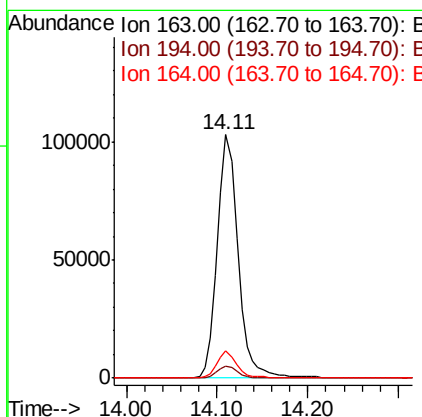
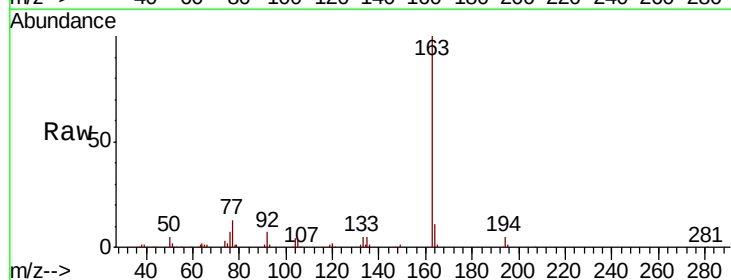
Instrument :
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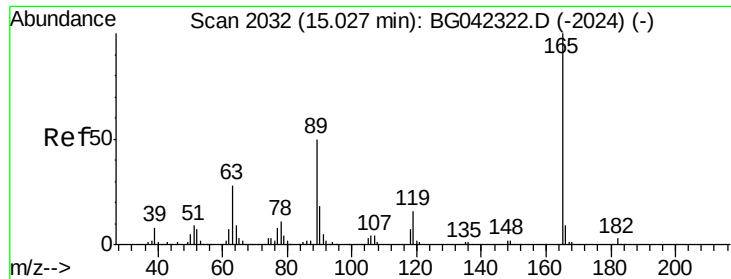
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.3	45.5
170	25.1	20.0	30.0



#50
Dimethylphthalate
Concen: 12.850 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042390.D
Acq: 21 Aug 2019 19:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	4.2	6.2
164	11.0	8.8	13.2

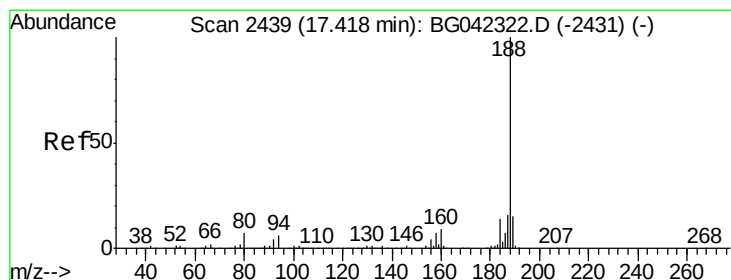
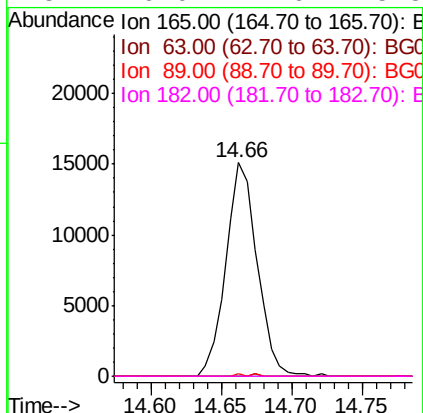
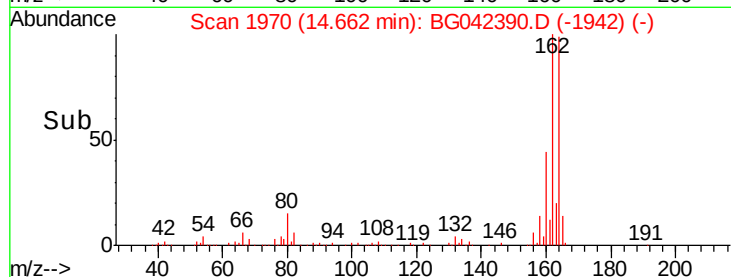
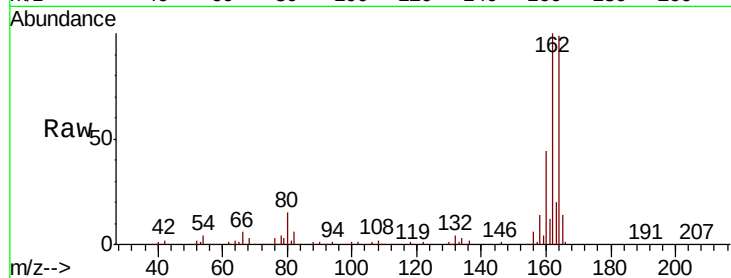




#57
 2,4-Dinitrotoluene
 Concen: 5.531 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042390.D
 Acq: 21 Aug 2019 19:20

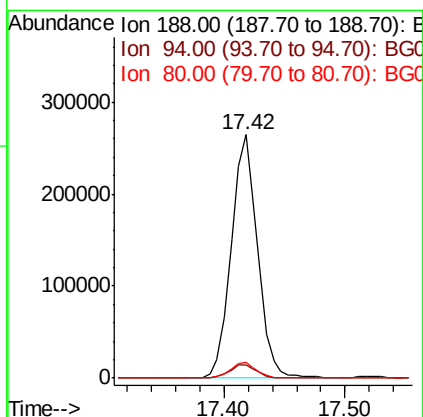
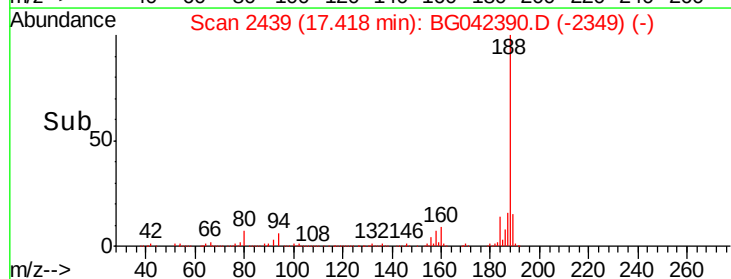
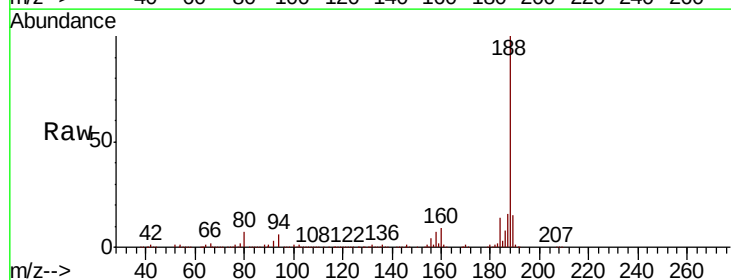
Instrument :
 BNA_G
 ClientSampleId :

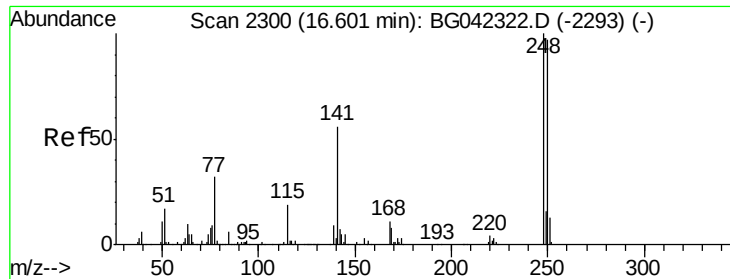
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.4	33.6#
89	1.2	40.2	60.2#
182	0.0	2.6	3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG042390.D
 Acq: 21 Aug 2019 19:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.9	7.3
80	6.5	5.4	8.0

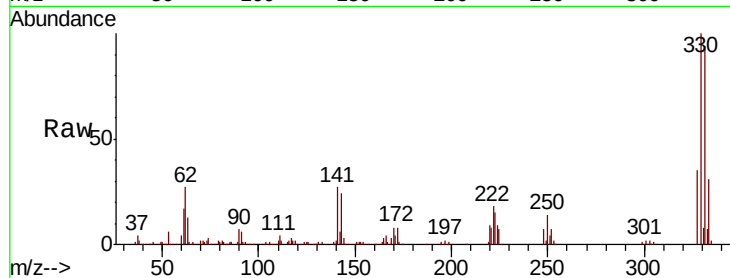




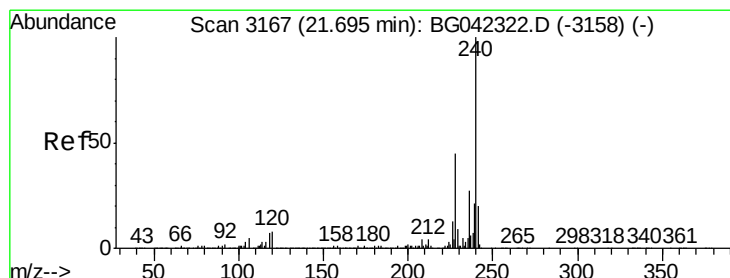
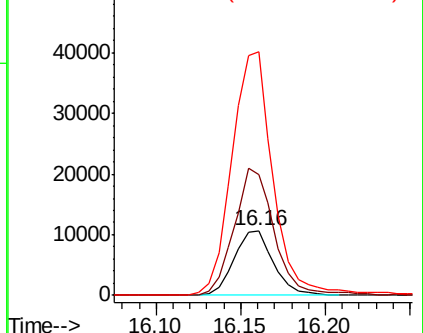
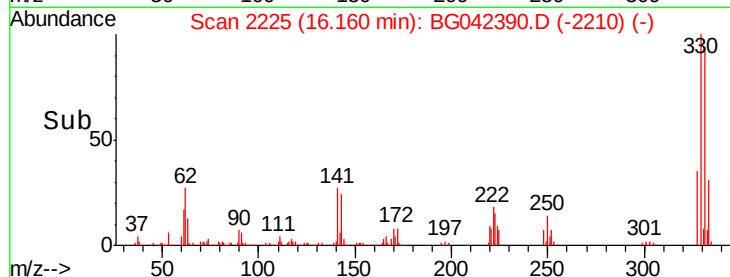
#67
 4-Bromophenyl-phenylether
 Concen: 3.356 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG042390.D
 Acq: 21 Aug 2019 19:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 17140
 Ion Ratio Lower Upper
 248 100
 250 186.5 78.0 117.0#
 141 374.9 44.9 67.3#

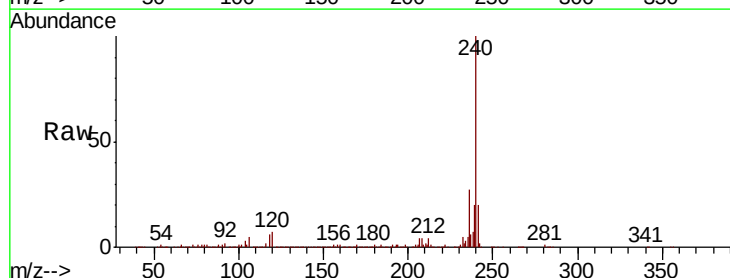


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

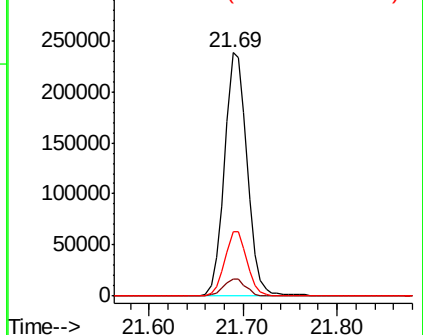
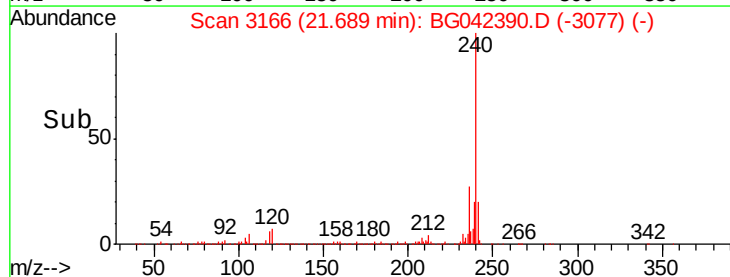


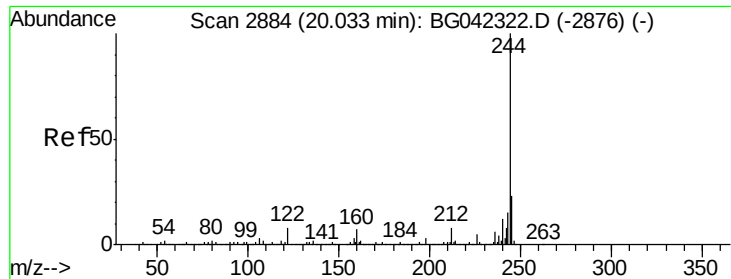
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042390.D
 Acq: 21 Aug 2019 19:20

Tgt Ion:240 Resp: 400858
 Ion Ratio Lower Upper
 240 100
 120 6.8 6.0 9.0
 236 26.7 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





#79

Terphenyl-d14

Concen: 70.114 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG042390.D

Acq: 21 Aug 2019 19:20

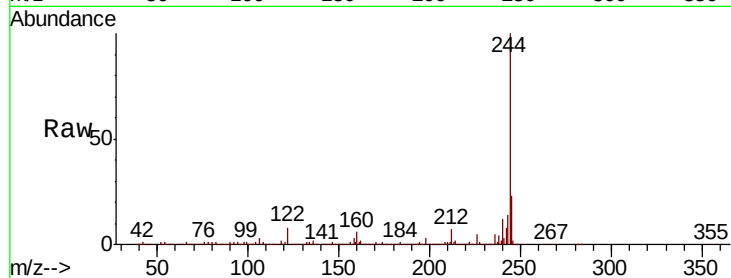
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1283193

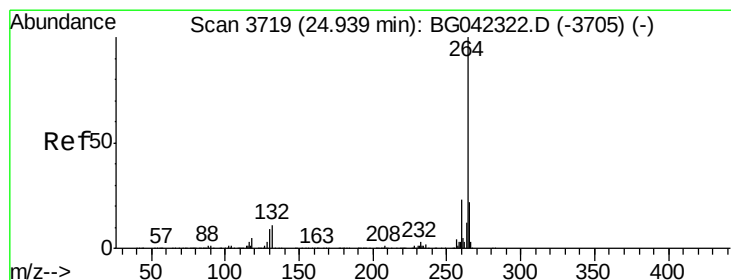
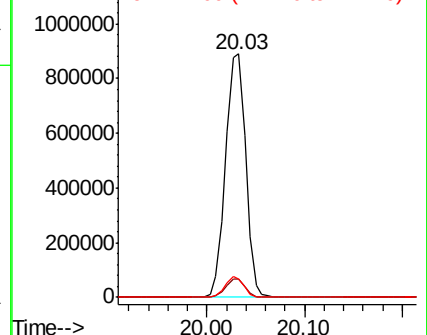
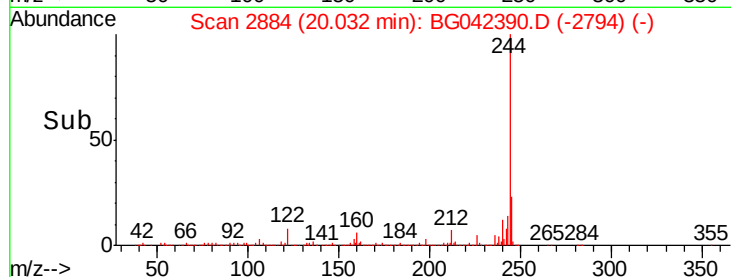
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.4	9.6
122	7.5	6.6	10.0



Abundance Ion 244.00 (243.70 to 244.70): E

1200000 Ion 212.00 (211.70 to 212.70): E

1000000 Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

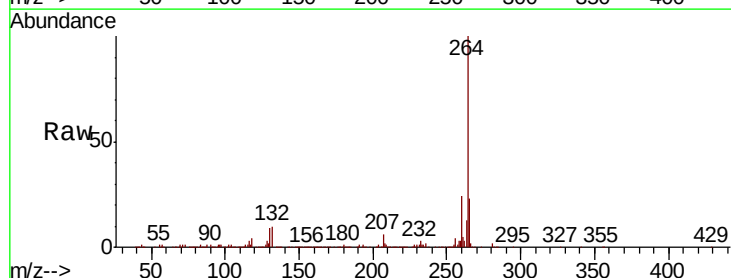
Delta R.T. -0.00 min

Lab File: BG042390.D

Acq: 21 Aug 2019 19:20

Tgt Ion:264 Resp: 468053

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	22.9	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E

200000 Ion 260.00 (259.70 to 260.70): E

150000 Ion 265.00 (264.70 to 265.70): E

