

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090619\
 Data File : BG042749.D
 Acq On : 6 Sep 2019 15:39
 Operator : HP/JU
 Sample : PB122825BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 06 16:46:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

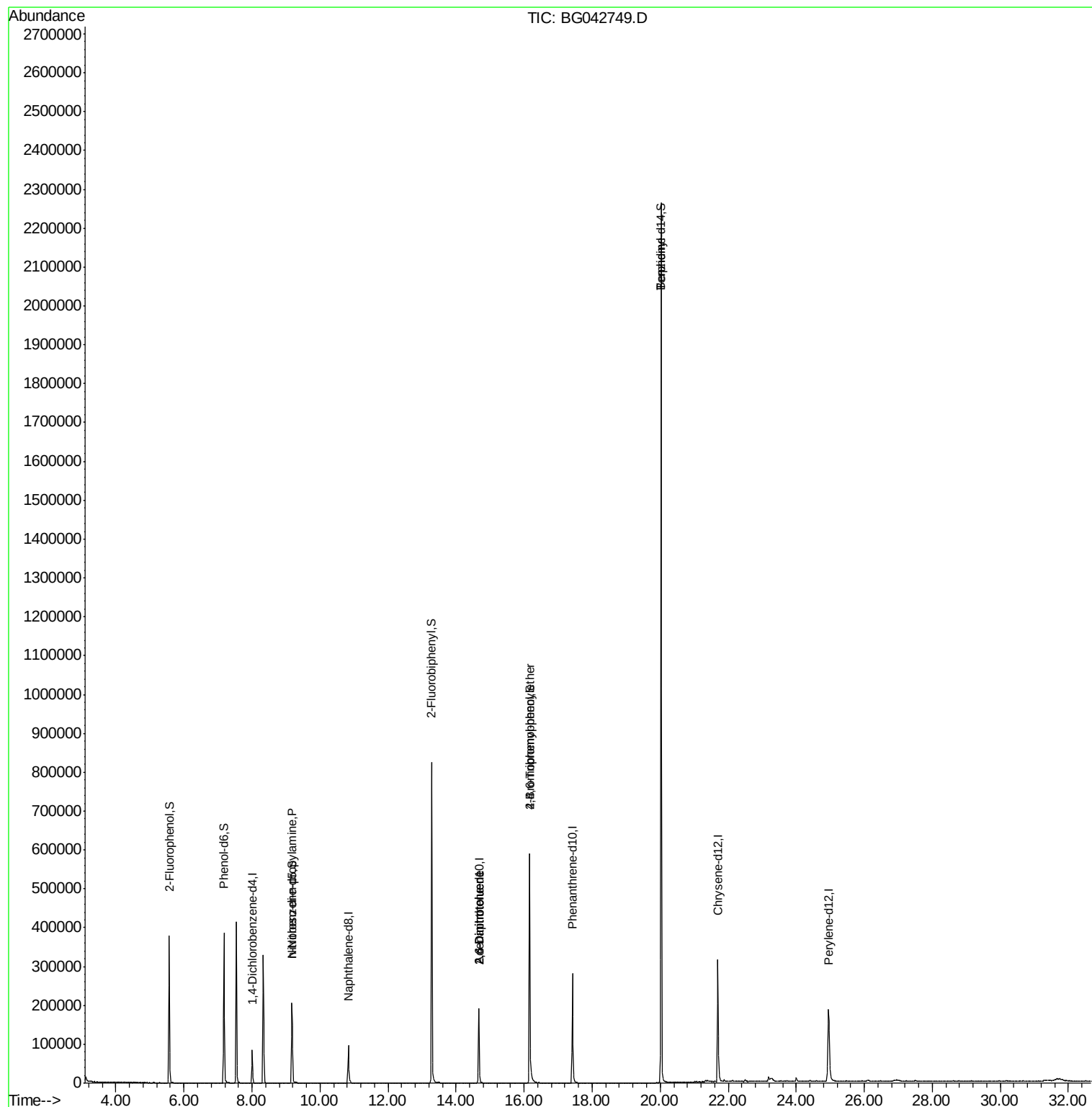
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	28958	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	114285	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	94369	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	244202	20.00	ng	0.00
76) Chrysene-d12	21.70	240	247099	20.00	ng	0.00
87) Perylene-d12	24.95	264	267881	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	192868	134.89	ng	0.00
7) Phenol-d6	7.18	99	254475	131.76	ng	0.00
23) Nitrobenzene-d5	9.18	82	140225	84.79	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	188768	140.74	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	523736	93.86	ng	0.00
79) Terphenyl-d14	20.03	244	1229624	107.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	18544	14.820	ng	# 80
51) 2,6-Dinitrotoluene	14.66	165	12316	7.803	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12316	5.449	ng	# 38
67) 4-Bromophenyl-phenylether	16.16	248	12675	4.092	ng	# 1
77) Benzidine	20.03	184	15542	2.194	ng	# 94

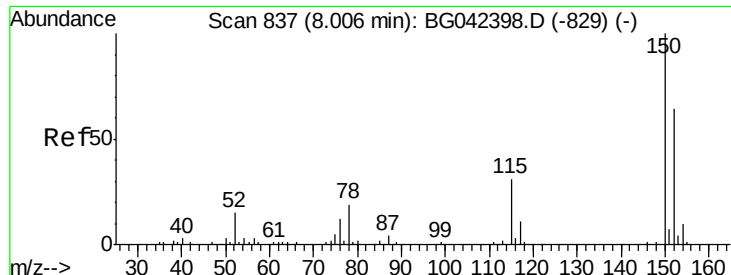
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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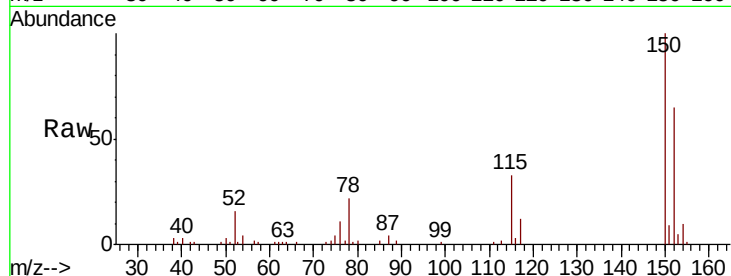


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042749.D
Acq: 6 Sep 2019 15:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.4	188.0
115	51.2	38.5	57.7

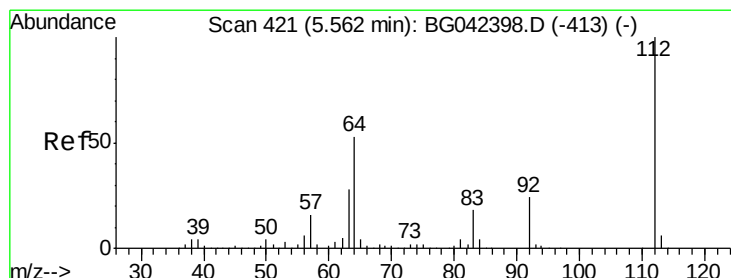
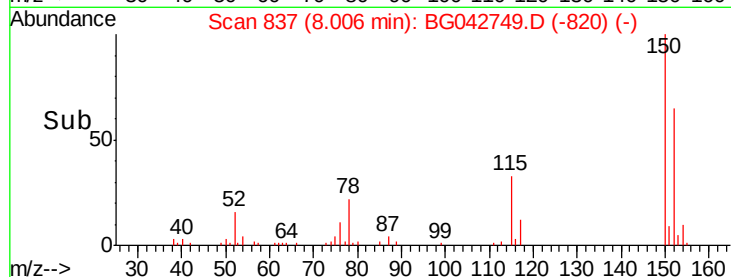
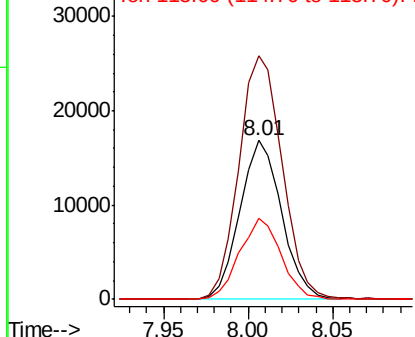


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

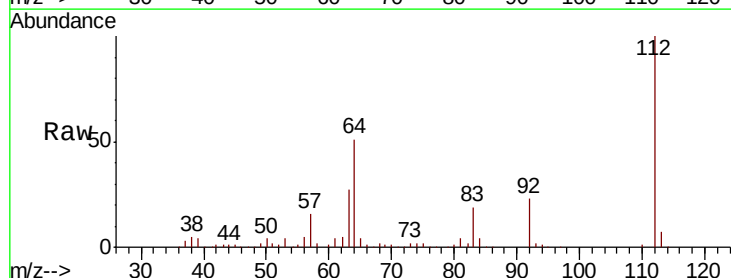
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 134.890 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG042749.D
Acq: 6 Sep 2019 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	42.8	64.2
63	27.4	22.7	34.1

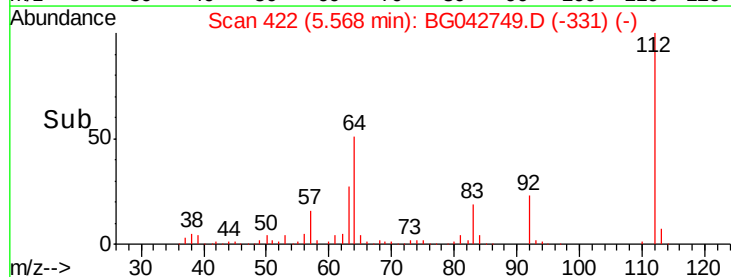
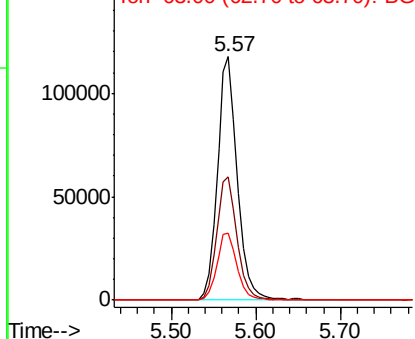


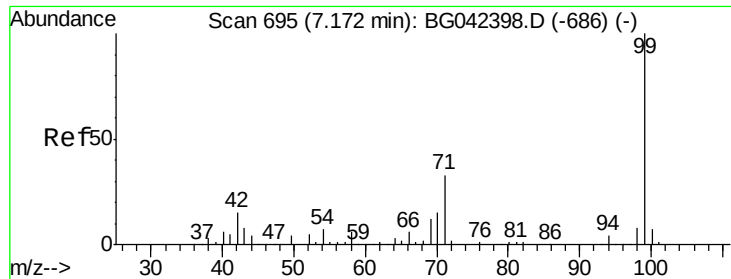
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 131.759 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042749.D

Acq: 6 Sep 2019 15:39

Instrument :

BNA_G

ClientSampled :

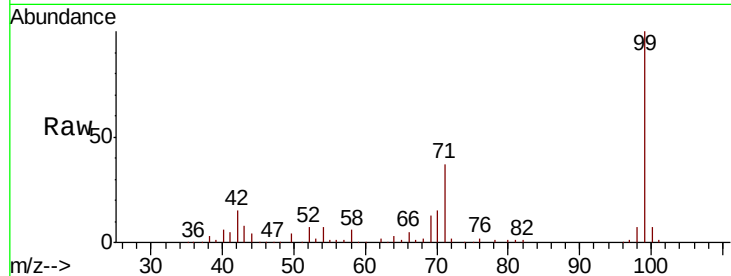
Tot Ion: 99 Resp: 254475

Ion Ratio Lower Upper

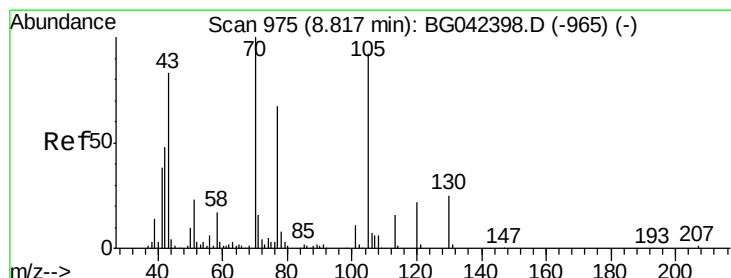
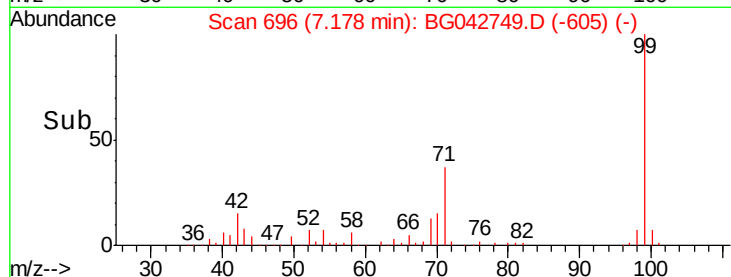
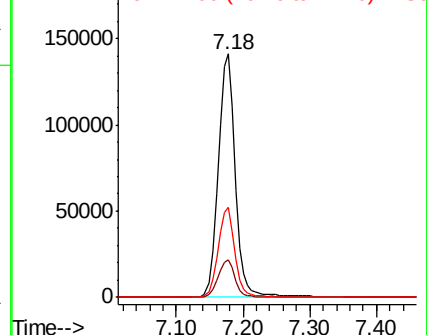
99 100

42 15.3 12.0 18.0

71 36.8 26.3 39.5



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: 14.820 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG042749.D

Acq: 6 Sep 2019 15:39

Tgt Ion: 70 Resp: 18544

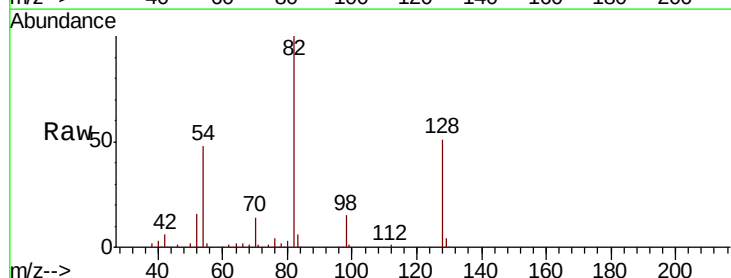
Ion Ratio Lower Upper

70 100

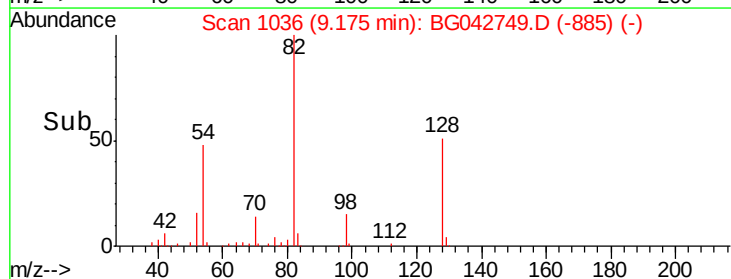
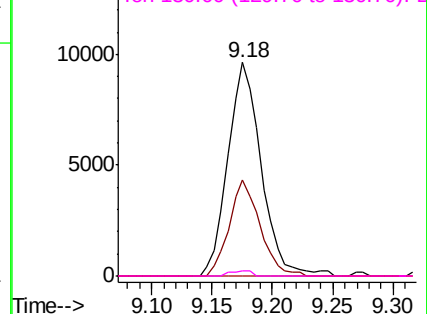
42 45.2 38.8 58.2

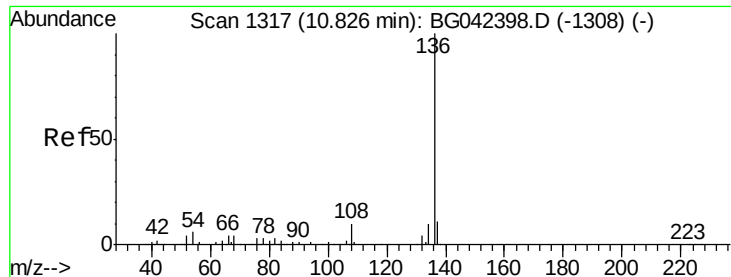
101 0.0 9.0 13.6#

130 2.3 20.0 30.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BG042749.D

Acq: 6 Sep 2019 15:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 114285

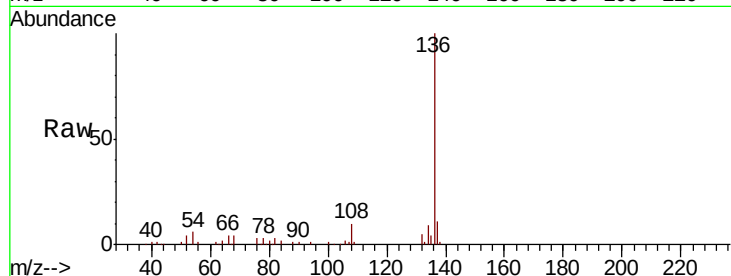
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.2 4.9 7.3

68 3.6 3.6 5.4

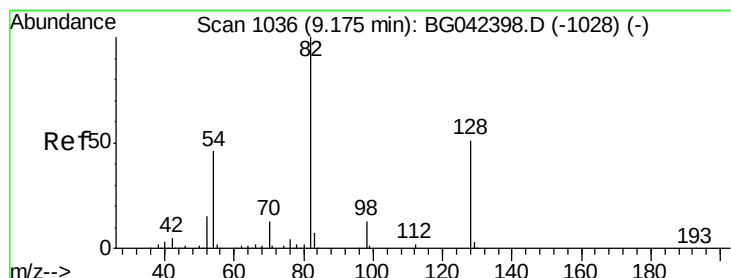
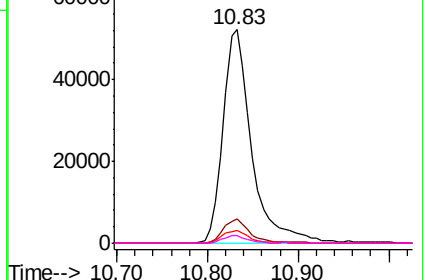
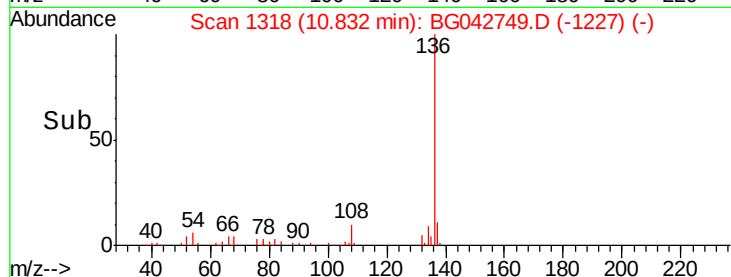


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.789 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BG042749.D

Acq: 6 Sep 2019 15:39

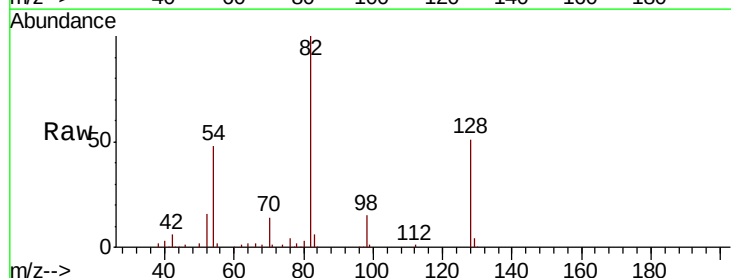
Tgt Ion: 82 Resp: 140225

Ion Ratio Lower Upper

82 100

128 50.9 40.7 61.1

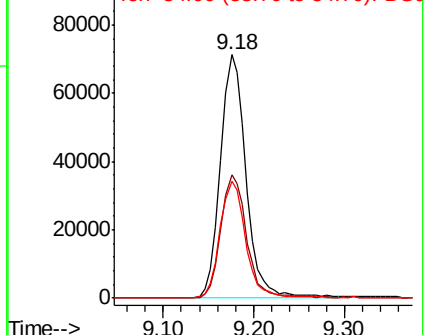
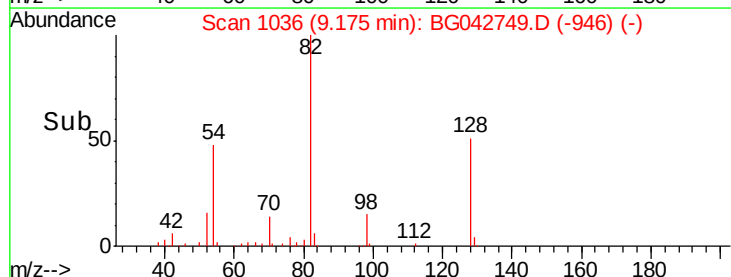
54 48.0 36.3 54.5

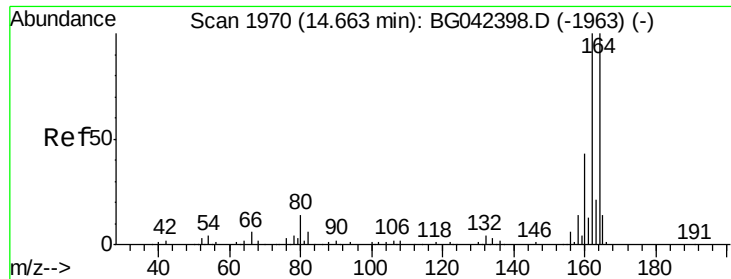


Abundance Ion 82.00 (81.70 to 82.70): BGC

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. 0.01 min

Lab File: BG042749.D

Acq: 6 Sep 2019 15:39

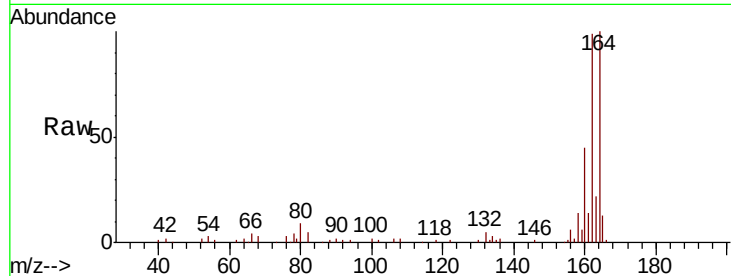
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 94369

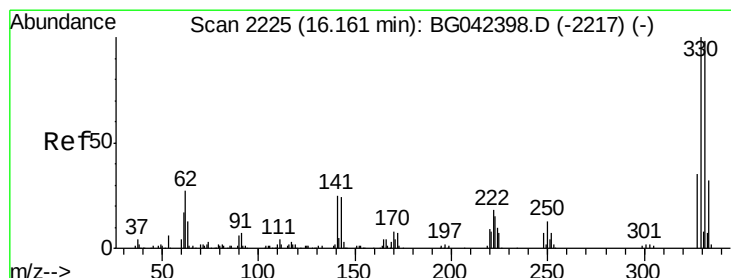
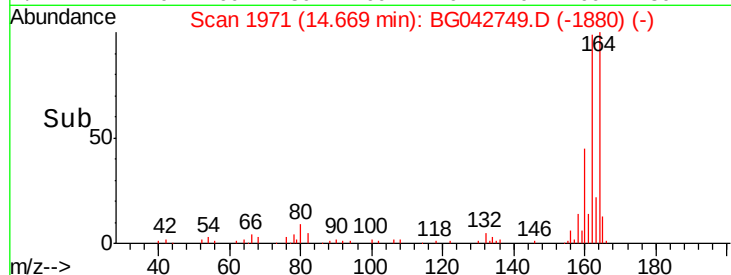
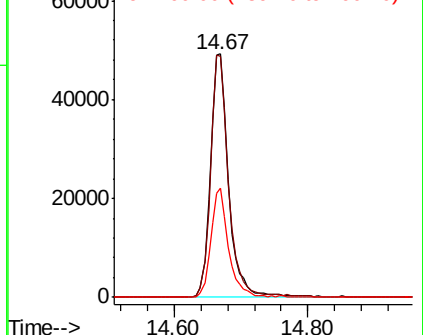
Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.9	119.9
160	44.7	34.3	51.5



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: 140.735 ng

RT: 16.16 min Scan# 2225

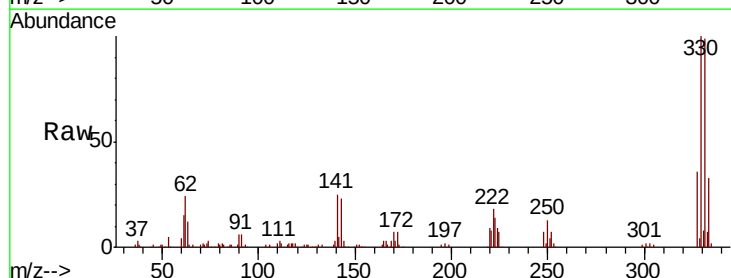
Delta R.T. 0.00 min

Lab File: BG042749.D

Acq: 6 Sep 2019 15:39

Tgt Ion:330 Resp: 188768

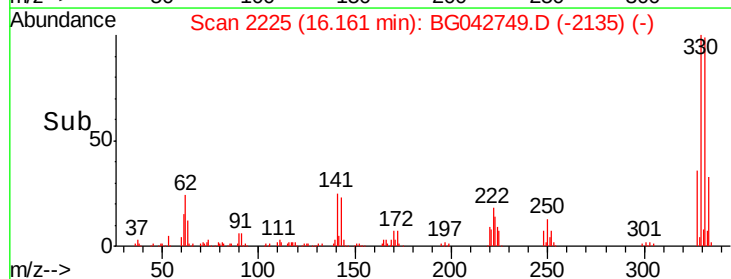
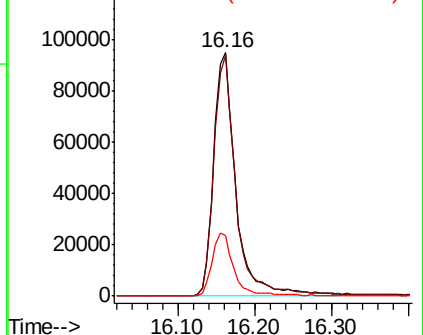
Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.4	116.0
141	25.6	21.4	32.0

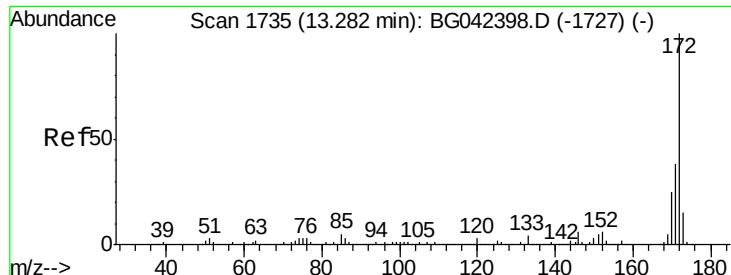


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

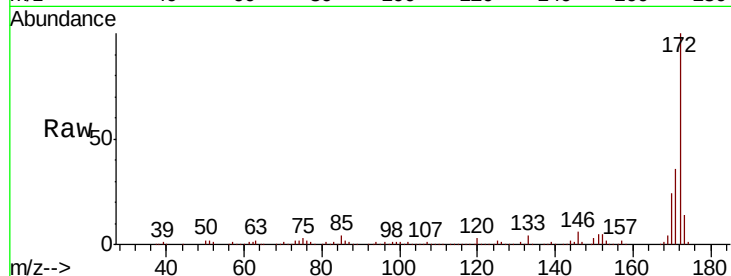




#45
 2-Fluorobiphenyl
 Concen: 93.864 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BG042749.D
 Acq: 6 Sep 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.5	45.7
170	23.9	20.2	30.2

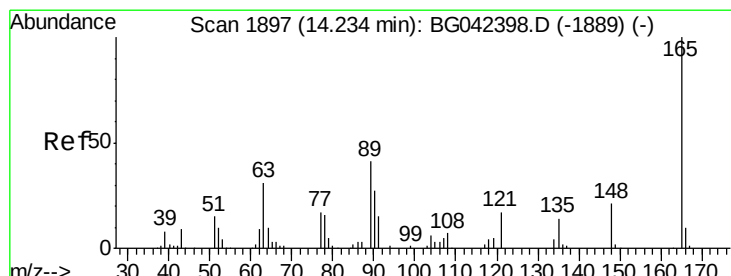
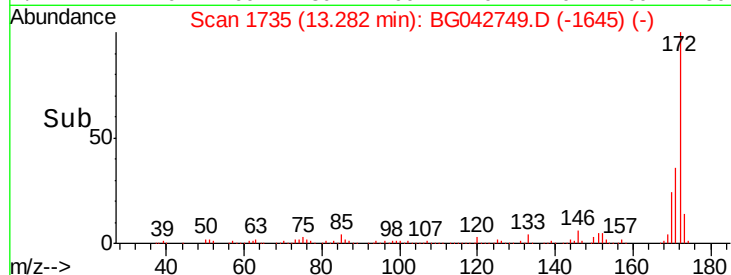
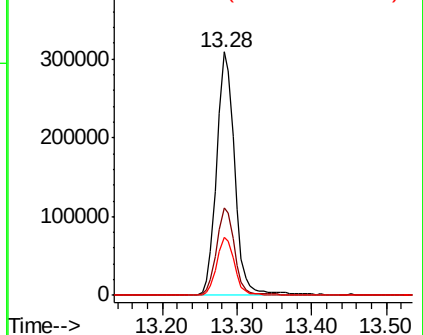


Abundance

Ion 172.00 (171.70 to 172.70): E

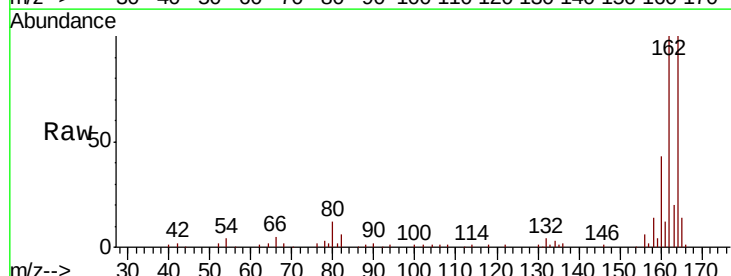
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 7.803 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042749.D
 Acq: 6 Sep 2019 15:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#

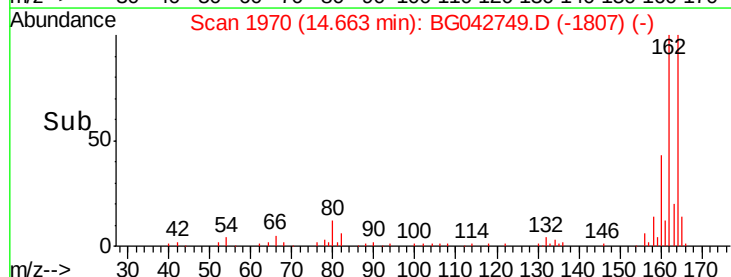
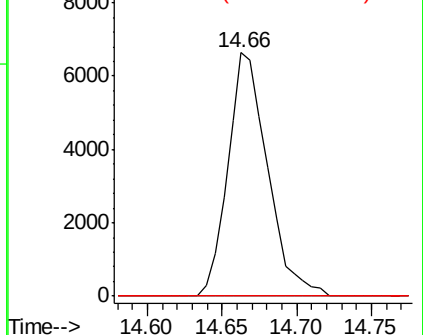


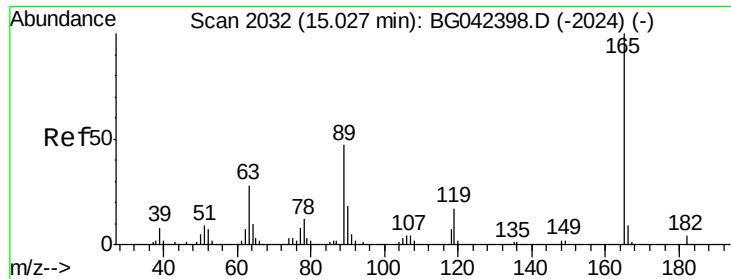
Abundance

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

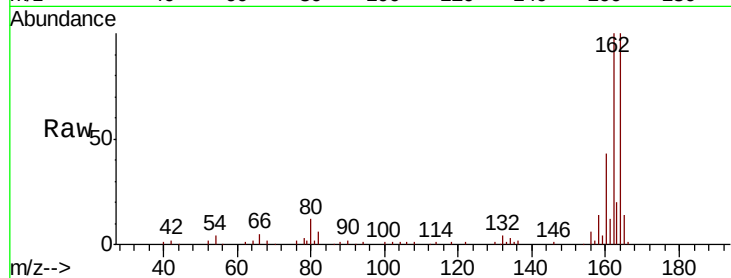




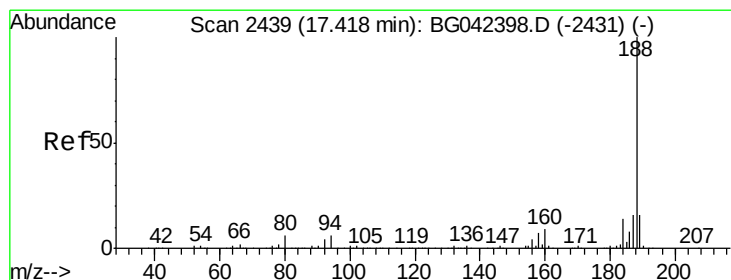
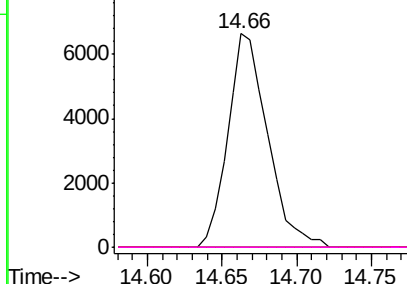
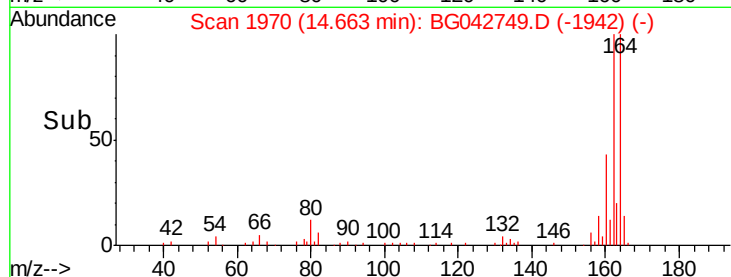
#57
 2,4-Dinitrotoluene
 Concen: 5.449 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042749.D
 Acq: 6 Sep 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	12316
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.5 33.7#
89	0.0	37.8 56.6#
182	0.0	3.0 4.4#

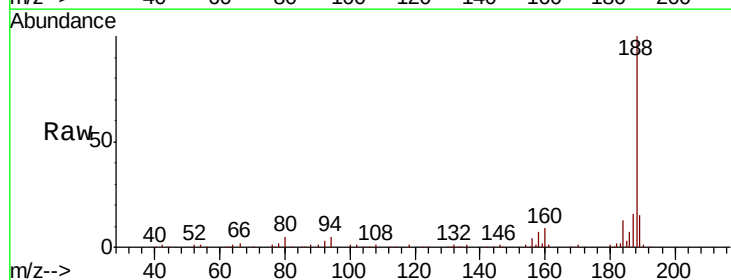


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

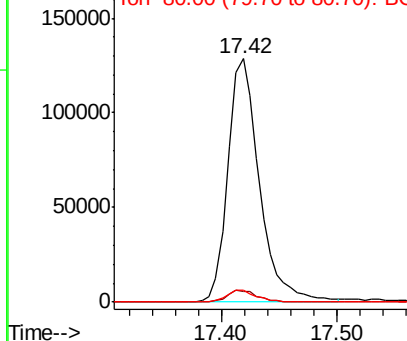
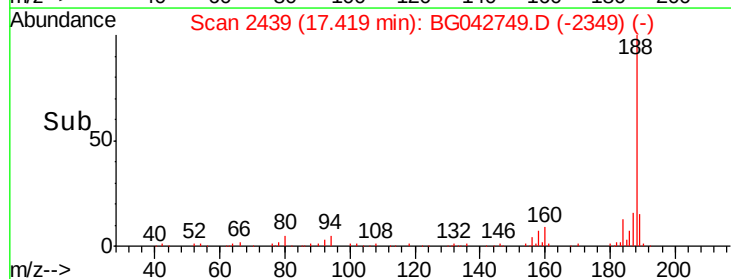


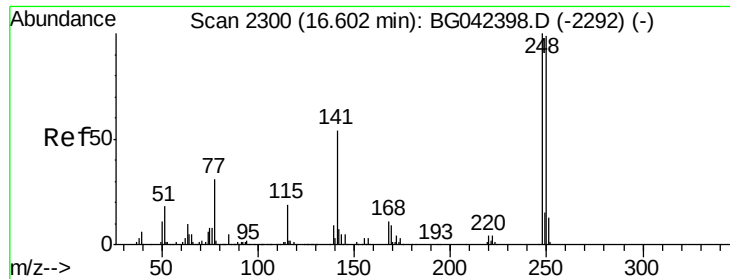
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. 0.00 min
 Lab File: BG042749.D
 Acq: 6 Sep 2019 15:39

Tgt Ion:188	Resp:	244202
Ion Ratio	Lower	Upper
188	100	
94	4.6	4.5 6.7
80	5.1	4.9 7.3



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

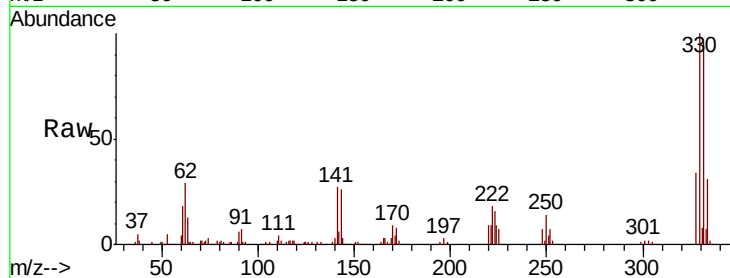




#67
 4-Bromophenyl-phenylether
 Concen: 4.092 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042749.D
 Acq: 6 Sep 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	188.7	78.9	118.3#
141	370.4	43.3	64.9#

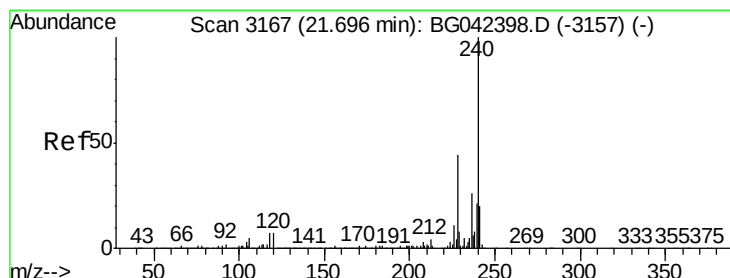
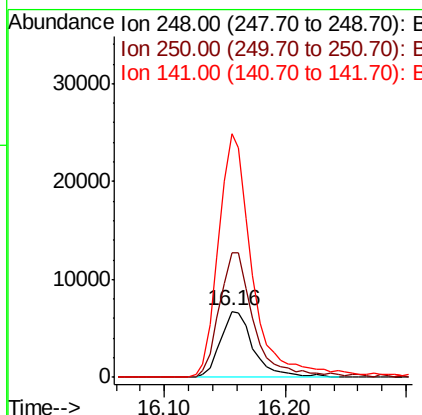
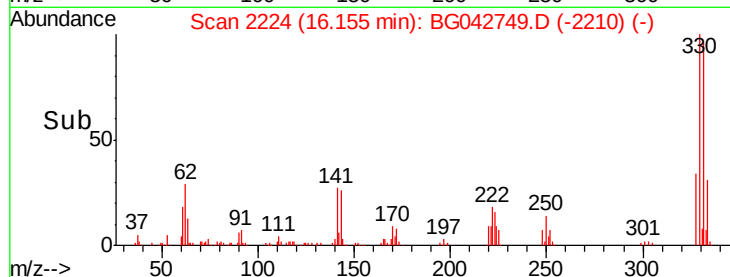


Abundance

Ion 248.00 (247.70 to 248.70): E

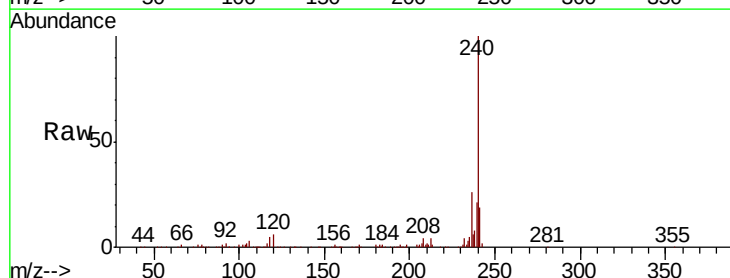
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. 0.00 min
 Lab File: BG042749.D
 Acq: 6 Sep 2019 15:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	5.7	8.5#
236	25.6	21.0	31.4

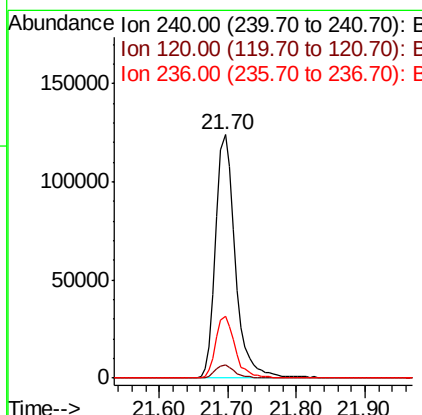
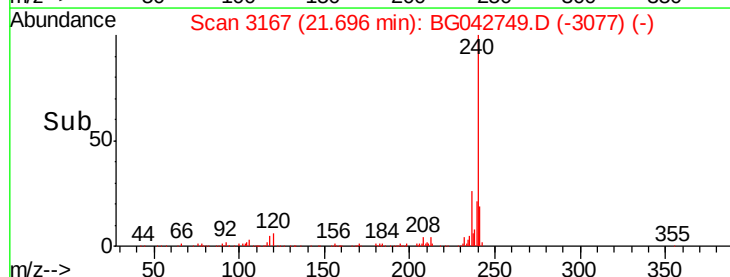


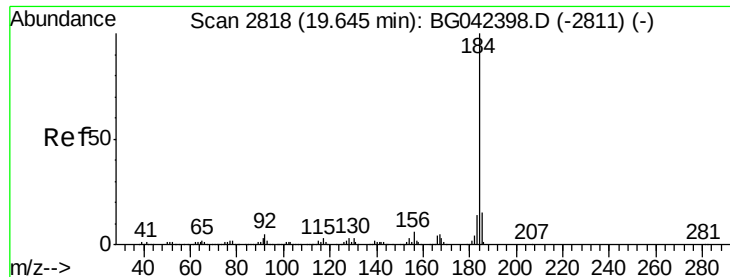
Abundance

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: 2.194 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042749.D

Acq: 6 Sep 2019 15:39

Instrument :

BNA_G

ClientSampleId :

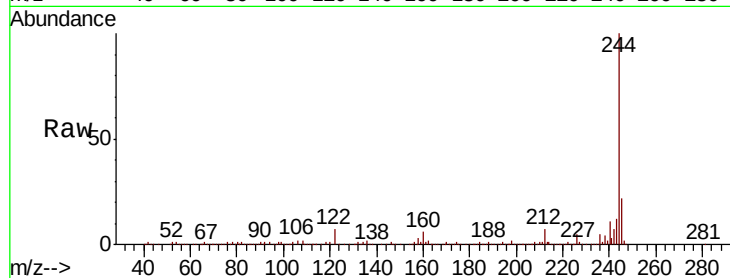
Tot Ion:184 Resp: 15542

Ion Ratio Lower Upper

184 100

185 15.0 12.2 18.4

183 8.4 10.8 16.2#

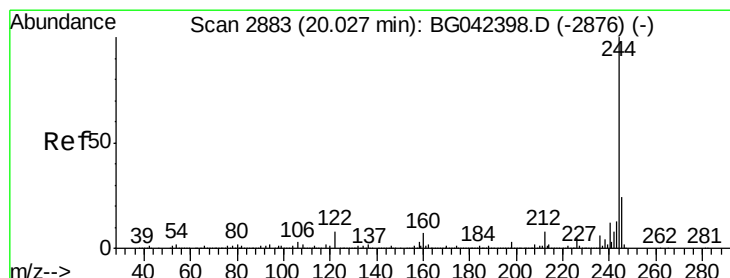
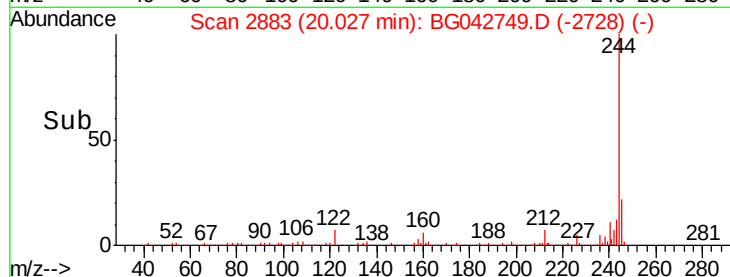
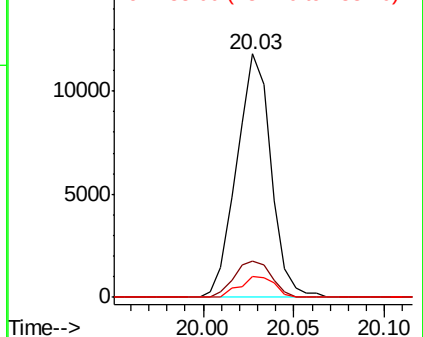


Abundance

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: 107.582 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG042749.D

Acq: 6 Sep 2019 15:39

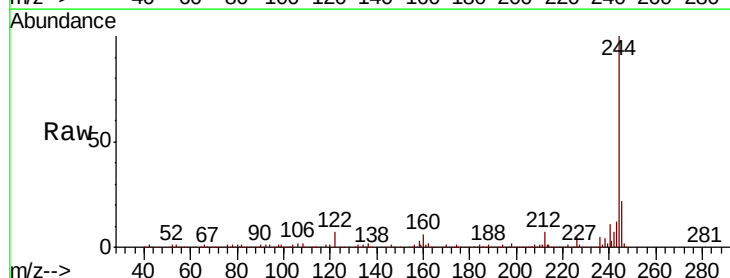
Tgt Ion:244 Resp: 1229624

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 6.9 6.7 10.1

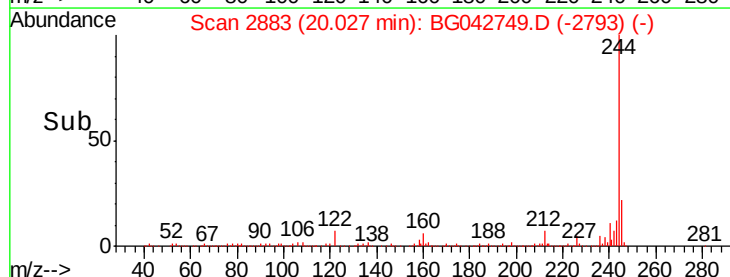
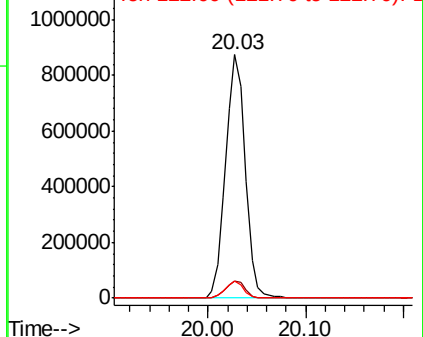


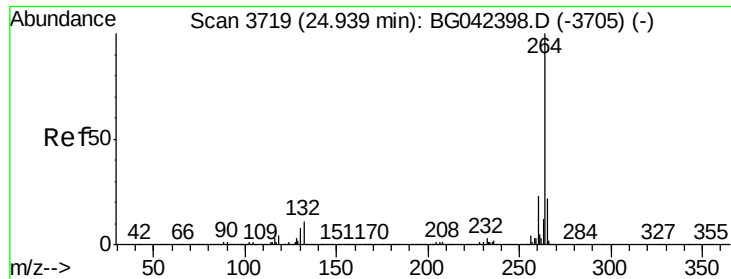
Abundance

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: 24.95 min Scan# 3721
Delta R.T. 0.01 min
Lab File: BG042749.D
Acq: 6 Sep 2019 15:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	23.1	17.6	26.4

