

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090619\
 Data File : BG042755.D
 Acq On : 6 Sep 2019 19:52
 Operator : HP/JU
 Sample : PB122847BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 07 01:20:03 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

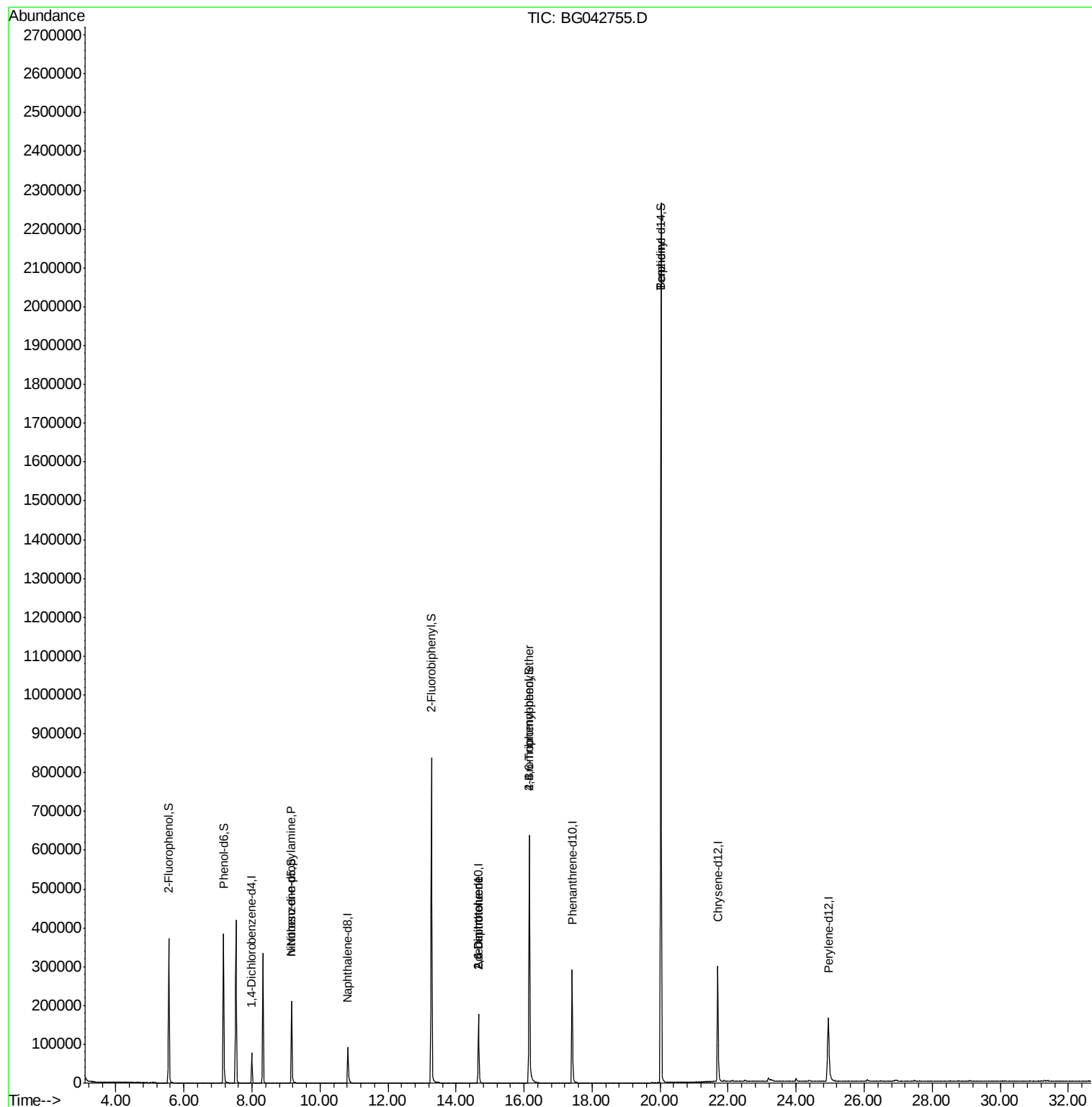
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	27119	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	108479	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	88503	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	234781	20.00	ng	0.00
76) Chrysene-d12	21.69	240	226582	20.00	ng	0.00
87) Perylene-d12	24.94	264	248084	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	192237	143.57	ng	0.00
7) Phenol-d6	7.16	99	259890	143.69	ng	0.00
23) Nitrobenzene-d5	9.16	82	145044	92.40	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	193218	153.60	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	528486	100.99	ng	0.00
79) Terphenyl-d14	20.03	244	1271497	121.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	18779	16.026	ng	# 74
51) 2,6-Dinitrotoluene	14.66	165	11270	7.614	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11270	5.317	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12632	4.242	ng	# 1
77) Benzidine	20.03	184	15972	2.459	ng	# 93

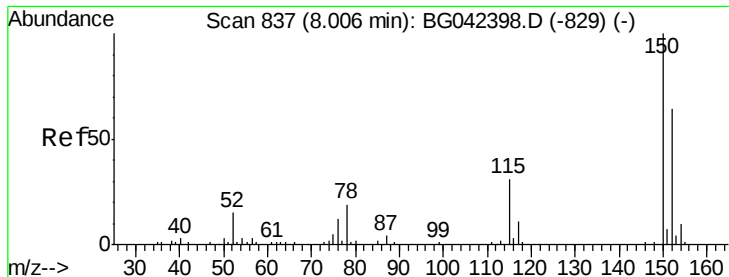
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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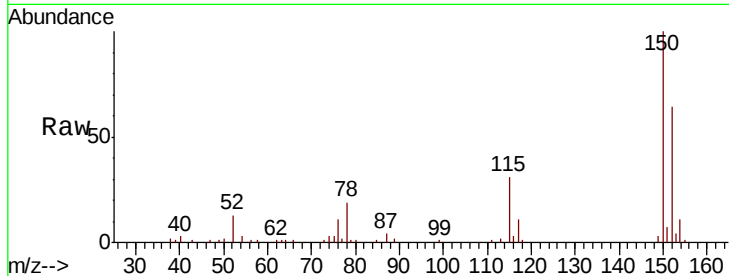


#1

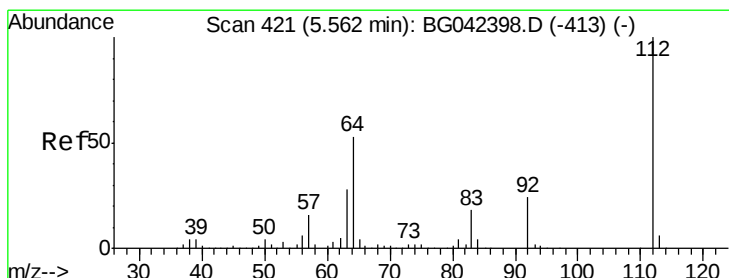
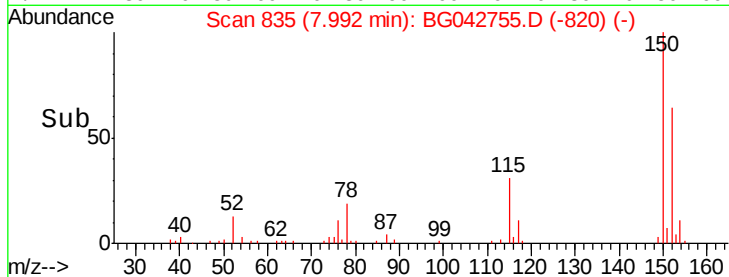
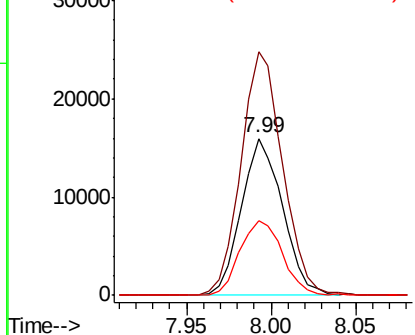
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042755.D
Acq: 6 Sep 2019 19:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27119
Ion Ratio Lower Upper
152 100
150 155.1 125.4 188.0
115 47.5 38.5 57.7



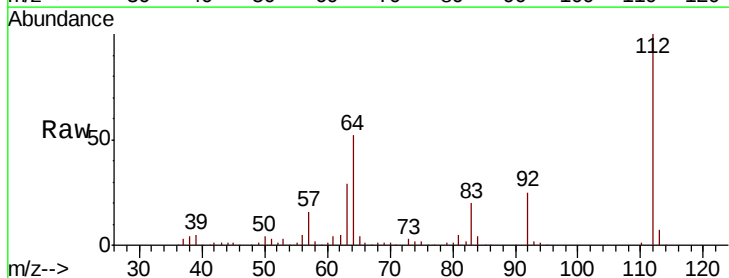
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



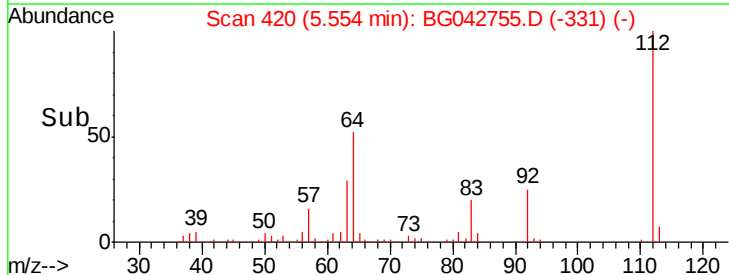
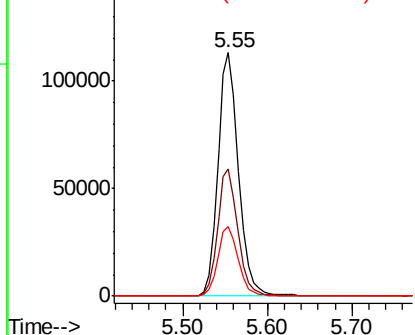
#5

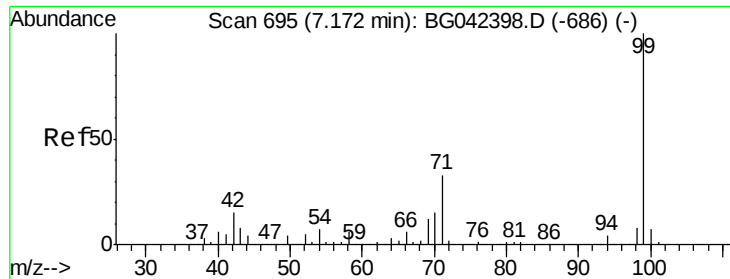
2-Fluorophenol
Concen: 143.566 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042755.D
Acq: 6 Sep 2019 19:52

Tgt Ion:112 Resp: 192237
Ion Ratio Lower Upper
112 100
64 52.2 42.8 64.2
63 28.8 22.7 34.1



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: 143.688 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042755.D

Acq: 6 Sep 2019 19:52

Instrument :

BNA_G

ClientSampleId :

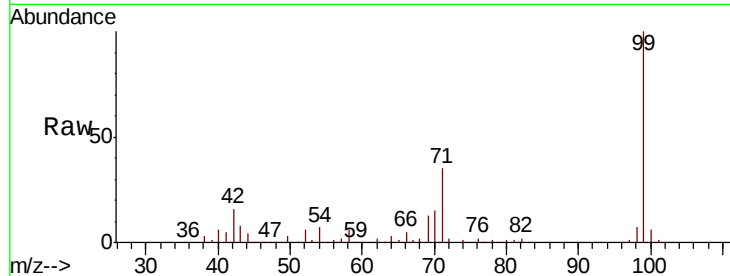
Tot Ion: 99 Resp: 259890

Ion Ratio Lower Upper

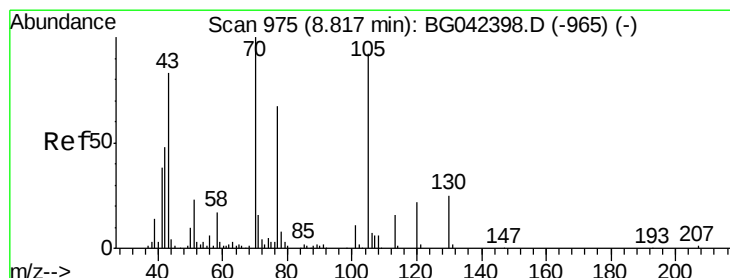
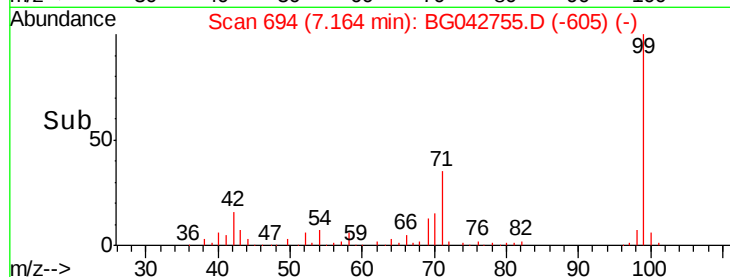
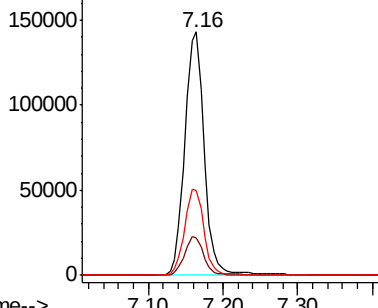
99 100

42 15.7 12.0 18.0

71 35.1 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: 16.026 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042755.D

Acq: 6 Sep 2019 19:52

Tgt Ion: 70 Resp: 18779

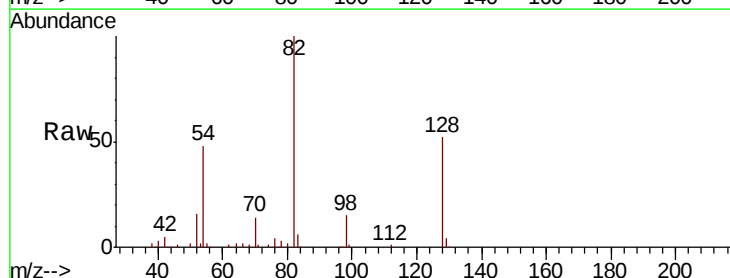
Ion Ratio Lower Upper

70 100

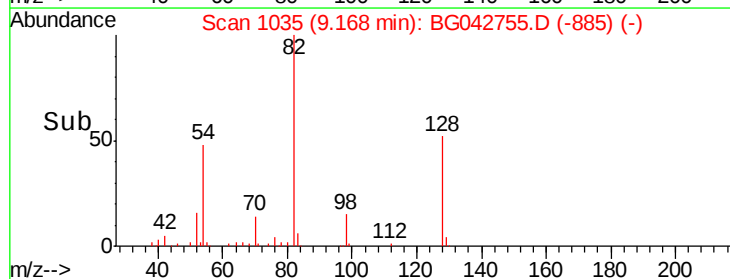
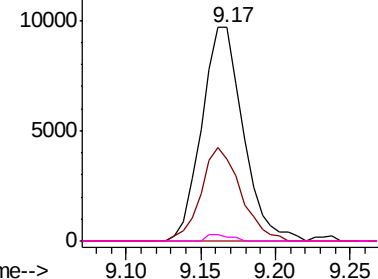
42 38.5 38.8 58.2#

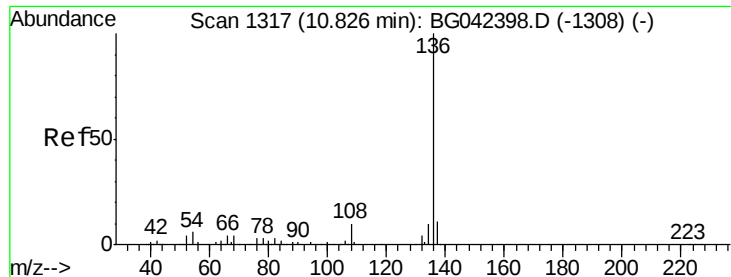
101 0.0 9.0 13.6#

130 1.6 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

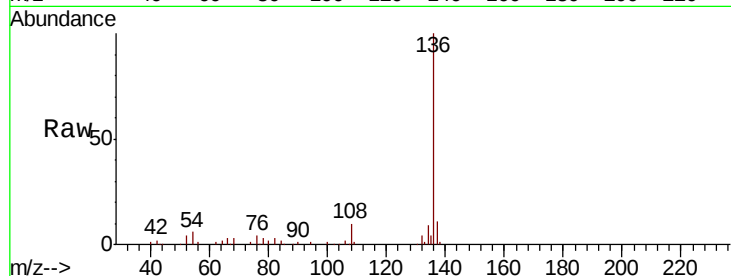




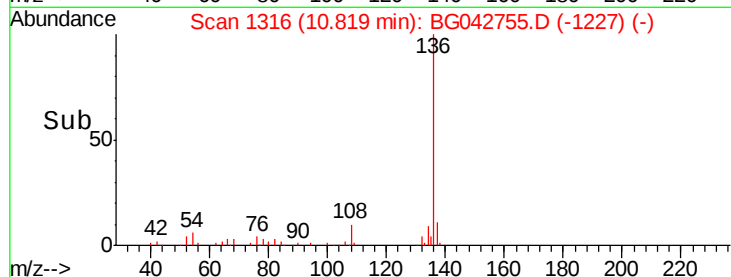
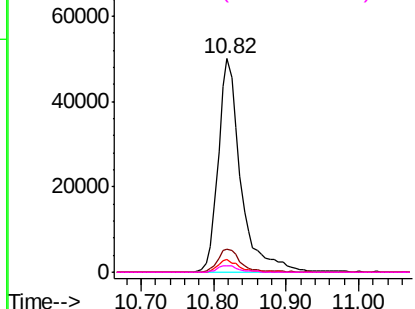
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042755.D
Acq: 6 Sep 2019 19:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	108479
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.7 13.1
54	5.9	4.9 7.3
68	3.0	3.6 5.4

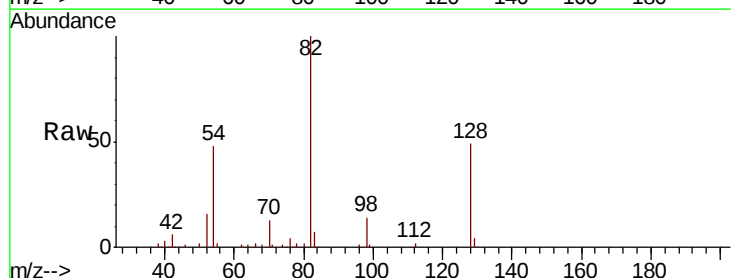


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

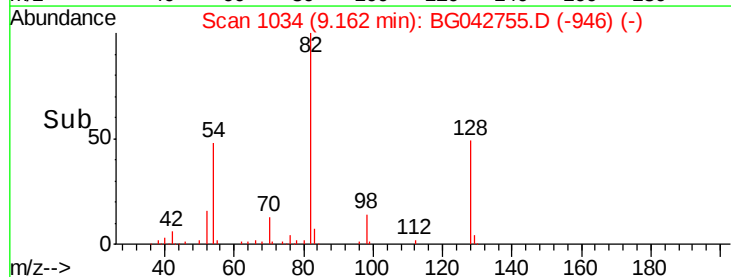
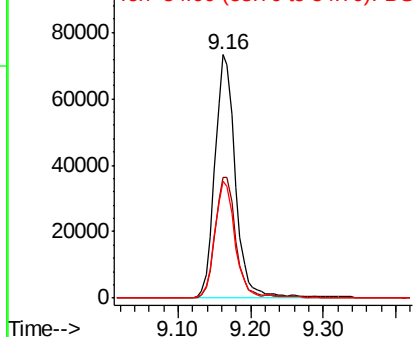


#23
Nitrobenzene-d5
Concen: 92.397 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042755.D
Acq: 6 Sep 2019 19:52

Tgt Ion: 82	Resp:	145044
Ion	Ratio	Lower Upper
82	100	
128	49.5	40.7 61.1
54	48.2	36.3 54.5



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

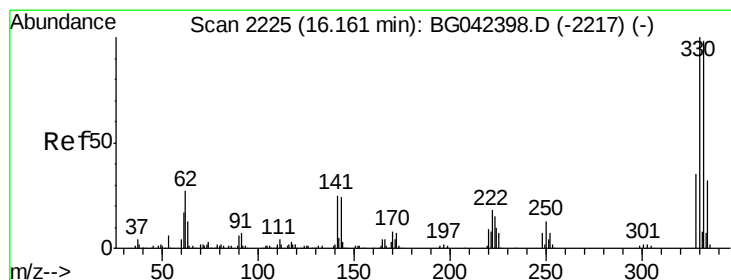
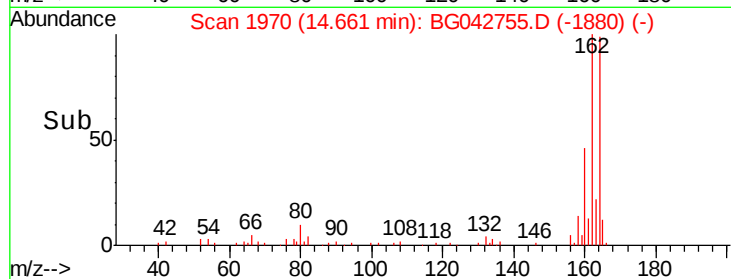
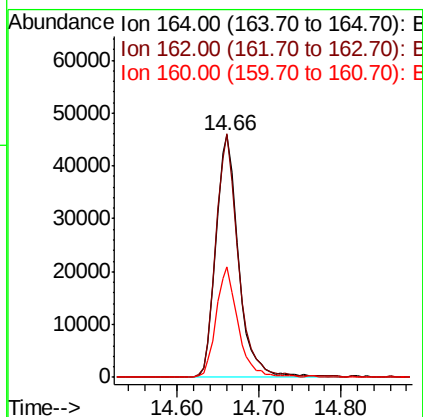
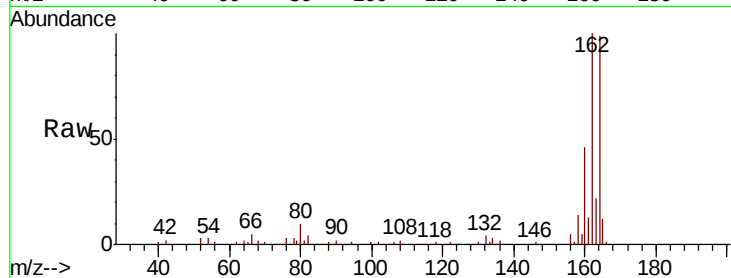




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042755.D
Acq: 6 Sep 2019 19:52

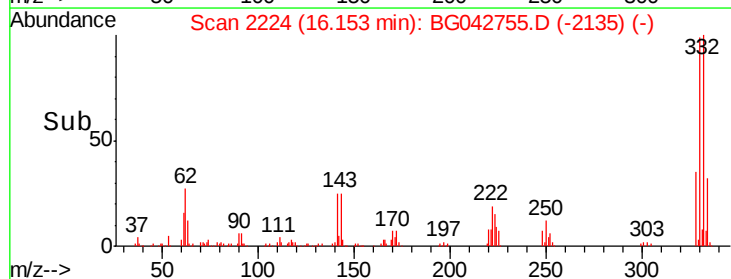
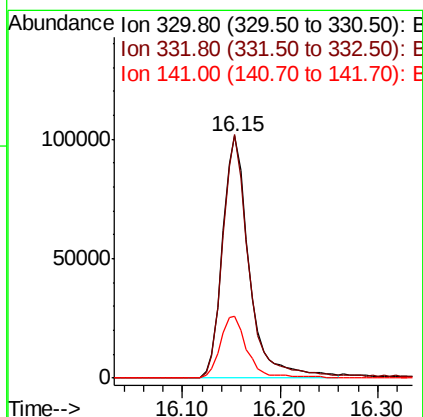
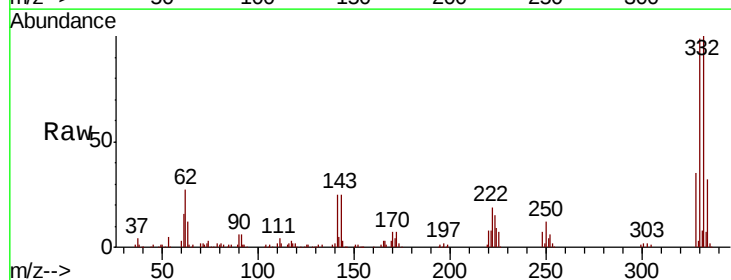
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.9	119.9
160	45.9	34.3	51.5



#42
2,4,6-Tribromophenol
Concen: 153.601 ng
RT: 16.15 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG042755.D
Acq: 6 Sep 2019 19:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.4	116.0
141	25.8	21.4	32.0

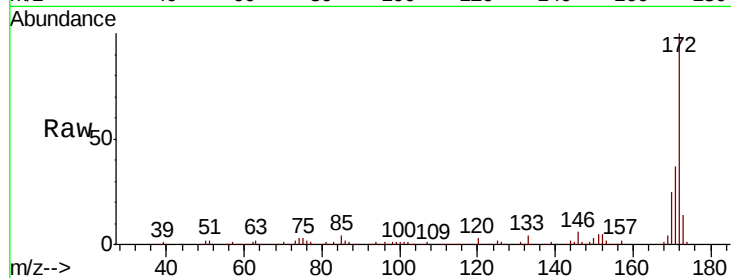




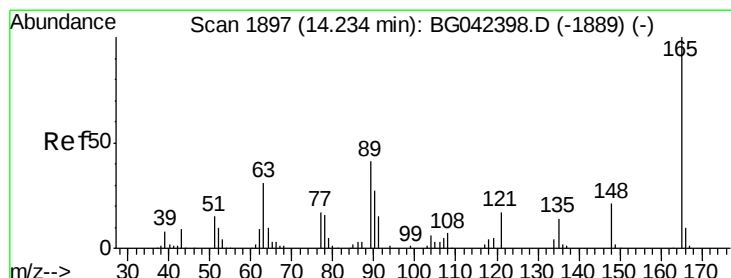
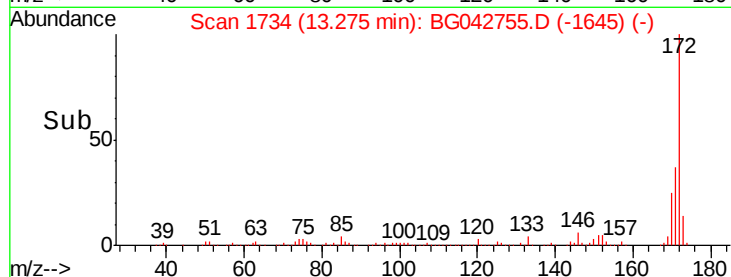
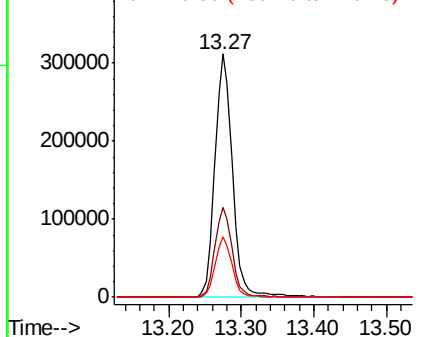
#45
 2-Fluorobiphenyl
 Concen: 100.993 ng
 RT: 13.27 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042755.D
 Acq: 6 Sep 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 528486
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.5 45.7
 170 24.9 20.2 30.2

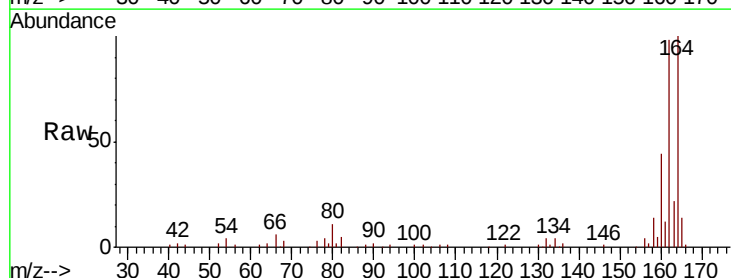


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

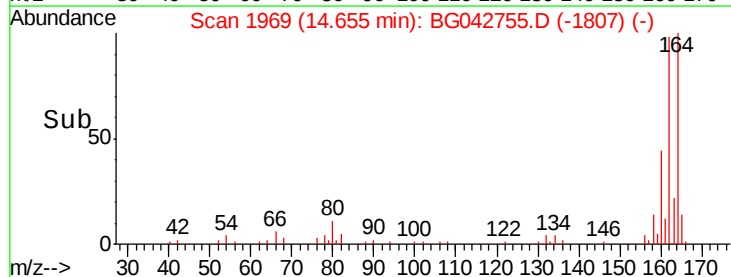
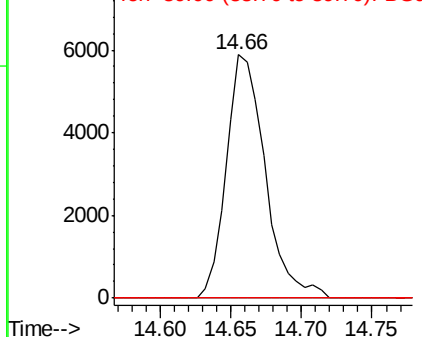


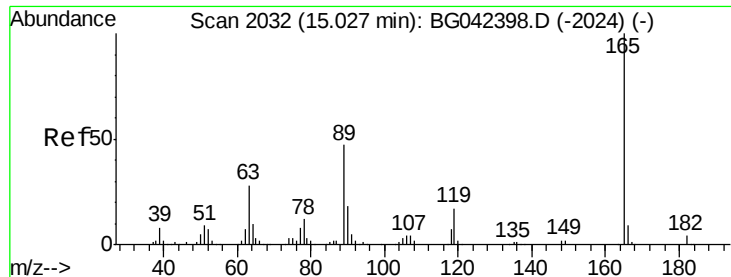
#51
 2,6-Dinitrotoluene
 Concen: 7.614 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042755.D
 Acq: 6 Sep 2019 19:52

Tgt Ion:165 Resp: 11270
 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): BG
 Ion 89.00 (88.70 to 89.70): BG

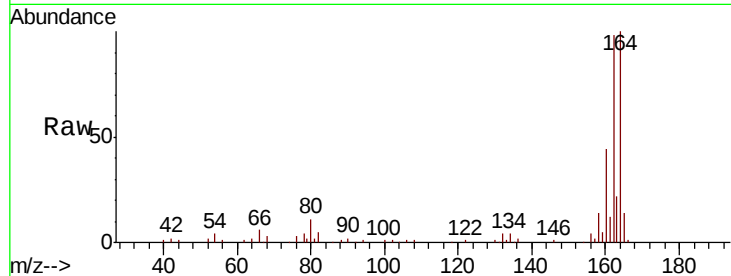




#57
 2,4-Dinitrotoluene
 Concen: 5.317 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042755.D
 Acq: 6 Sep 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

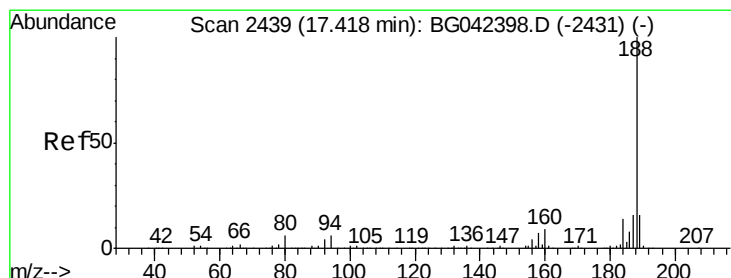
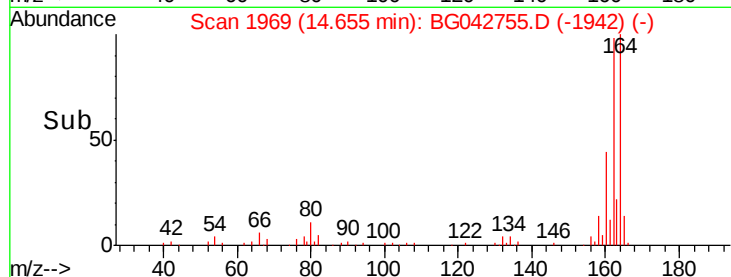
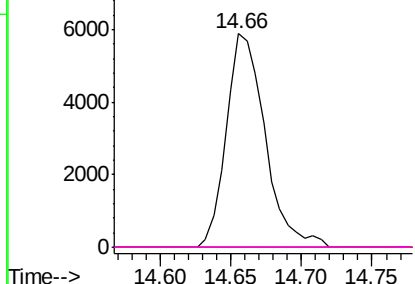


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

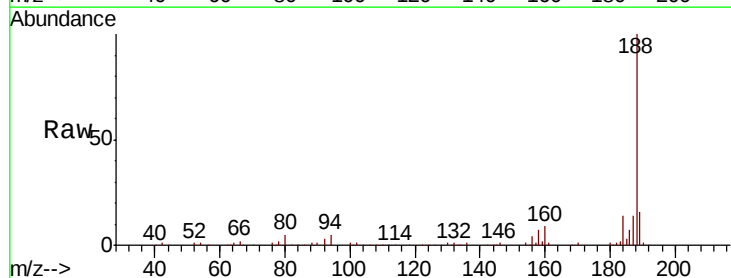
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042755.D
 Acq: 6 Sep 2019 19:52

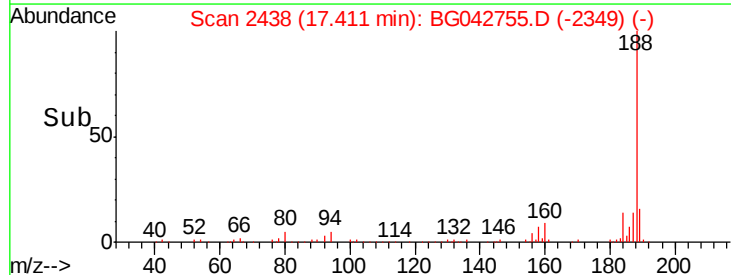
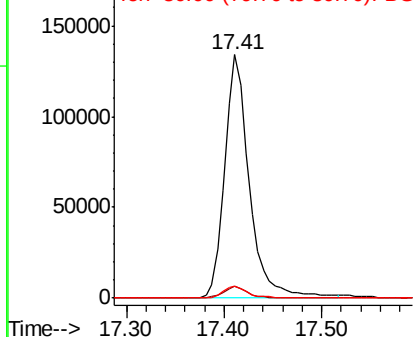
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.0	4.5	6.7
80	4.7	4.9	7.3#

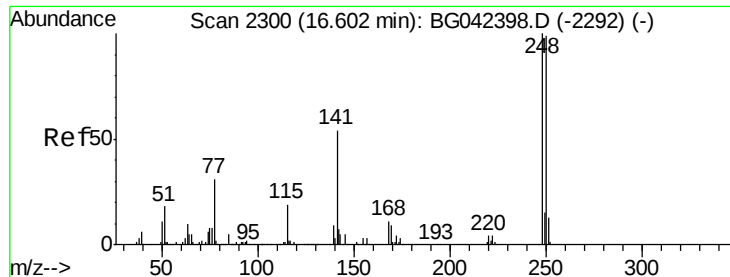


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

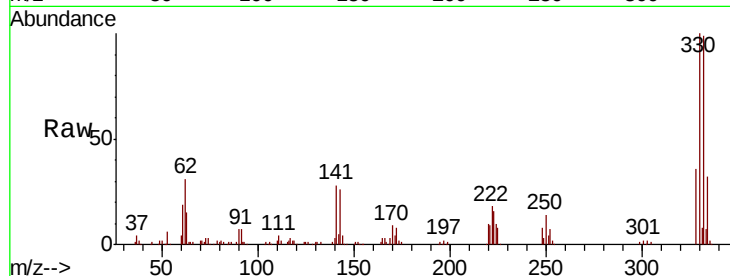




#67
 4-Bromophenyl-phenylether
 Concen: 4.242 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042755.D
 Acq: 6 Sep 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
248	100			
250	178.0	78.9	118.3#	
141	356.8	43.3	64.9#	

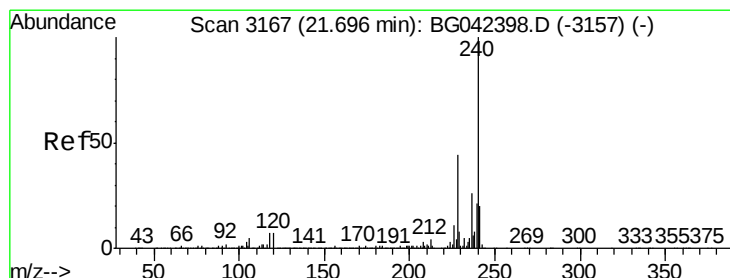
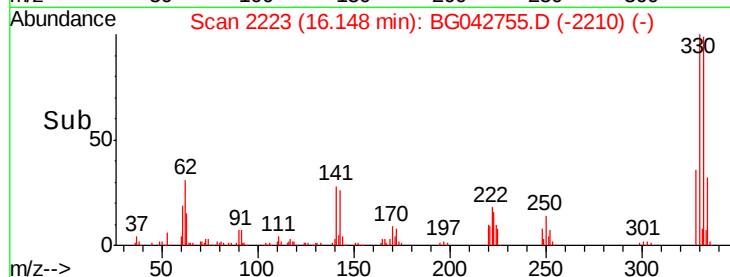
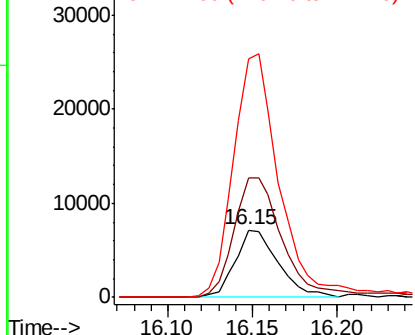


Abundance

Ion 248.00 (247.70 to 248.70): E

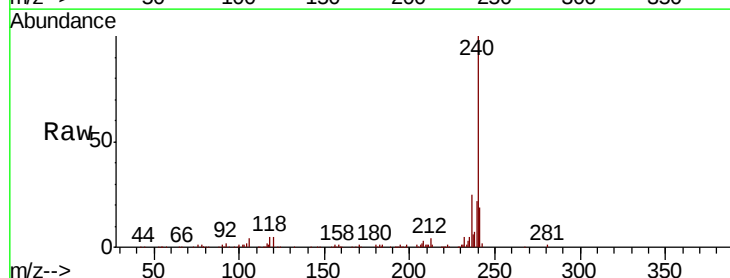
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: BG042755.D
 Acq: 6 Sep 2019 19:52

Tgt Ion	Ion	Ratio	Lower	Upper
240	100			
120	5.2	5.7	8.5#	
236	24.9	21.0	31.4	

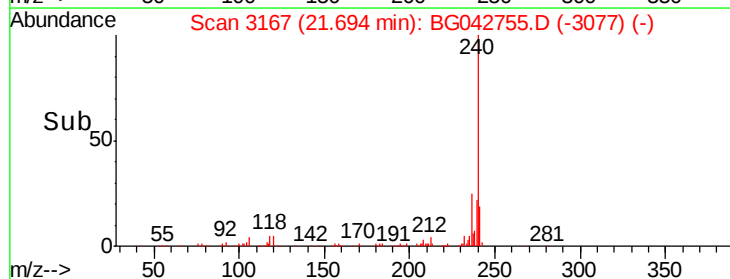
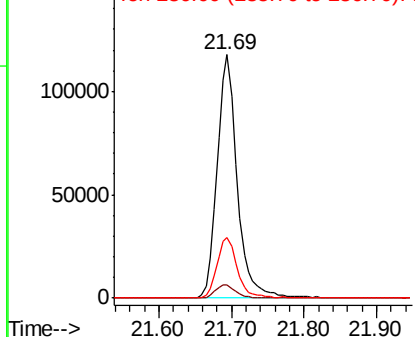


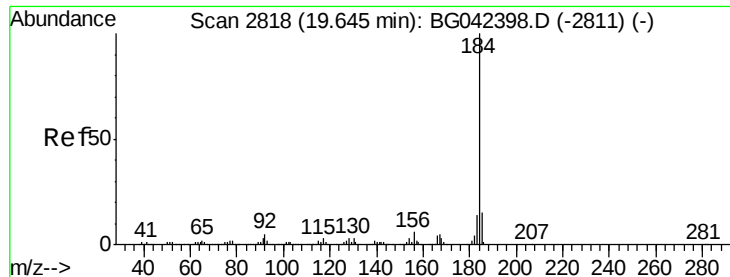
Abundance

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

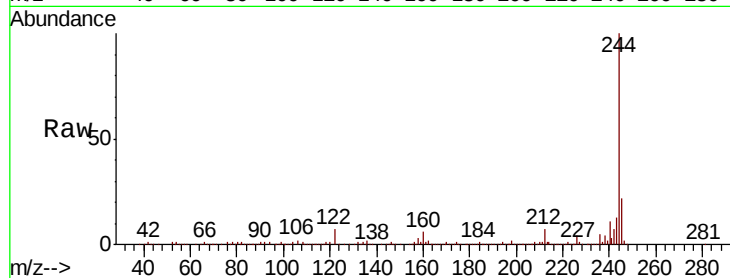




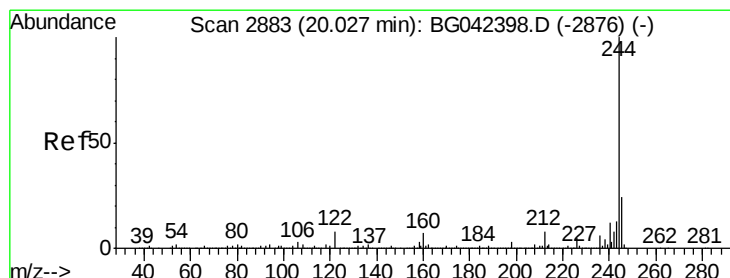
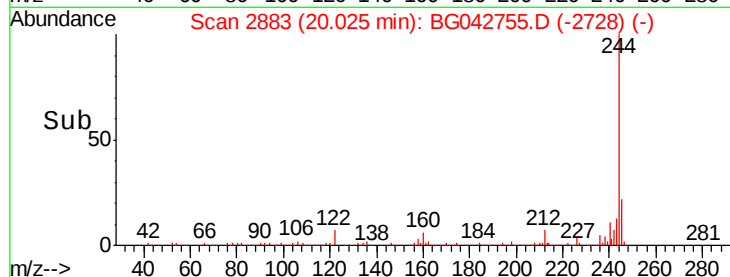
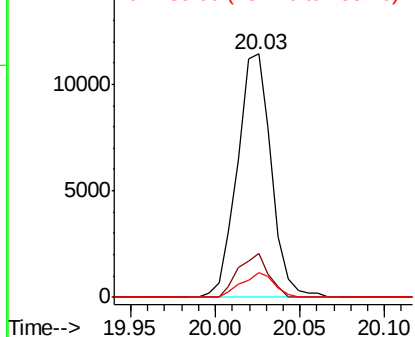
#77
Benzidine
Concen: 2.459 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG042755.D
Acq: 6 Sep 2019 19:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 15972
Ion Ratio Lower Upper
184 100
185 17.8 12.2 18.4
183 10.3 10.8 16.2#

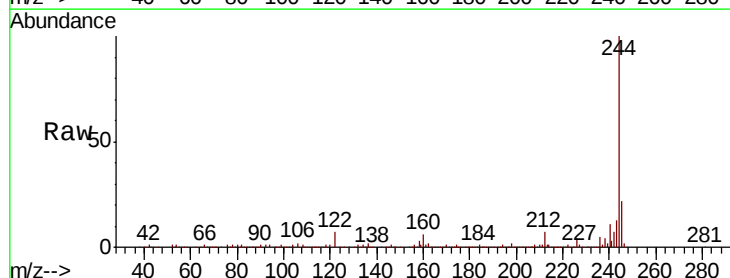


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

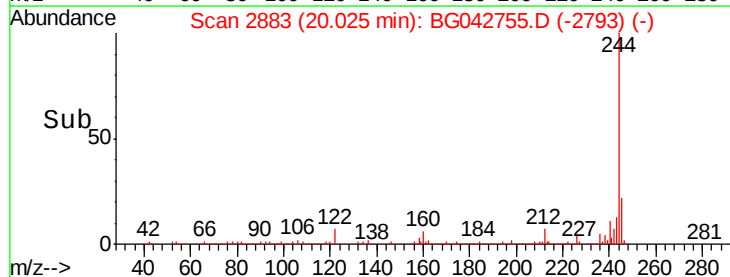
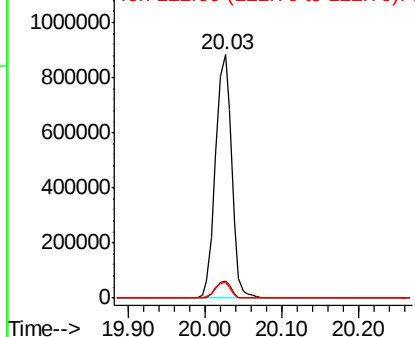


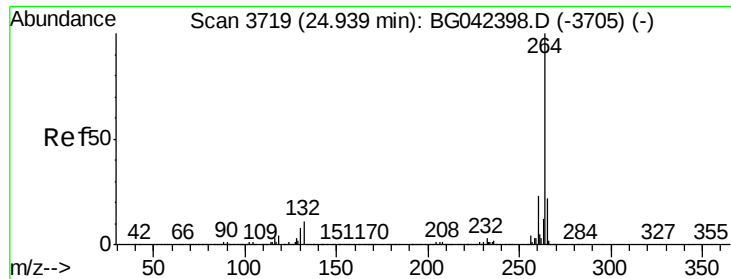
#79
Terphenyl-d14
Concen: 121.319 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BG042755.D
Acq: 6 Sep 2019 19:52

Tgt Ion:244 Resp: 1271497
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 6.6 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

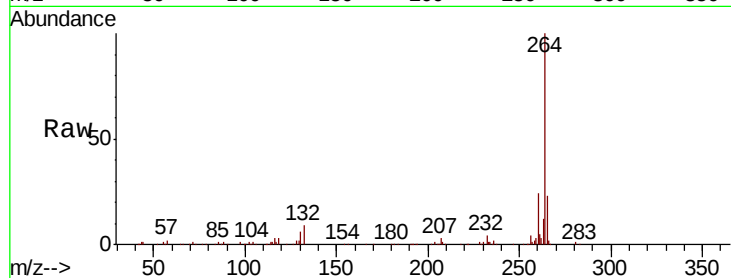




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.94 min Scan# 3720
 Delta R.T. 0.00 min
 Lab File: BG042755.D
 Acq: 6 Sep 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	22.9	17.6	26.4



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

