

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042654.D
 Acq On : 1 Sep 2019 5:20
 Operator : HP/JU
 Sample : K4602-28
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 06:58:35 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

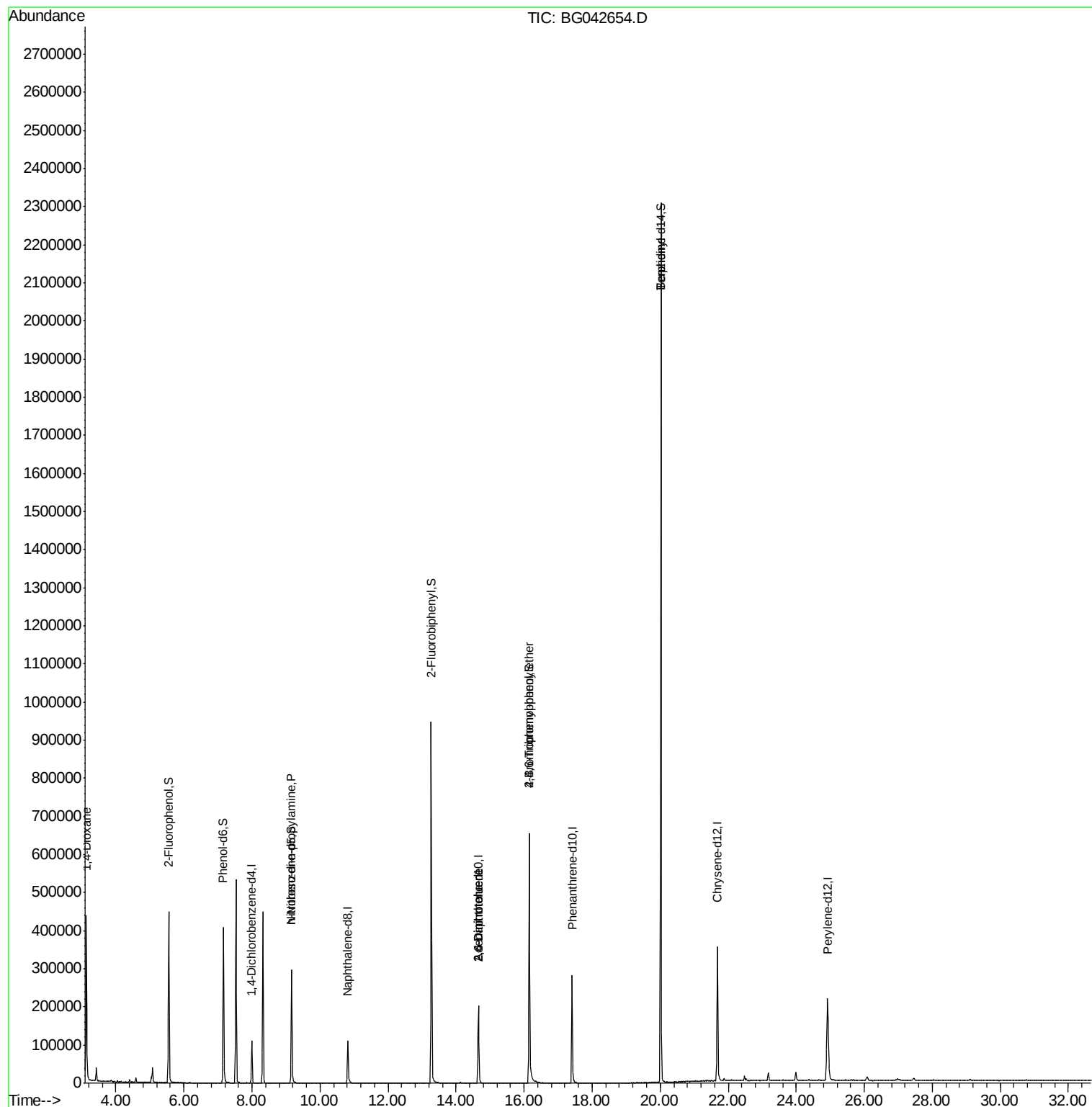
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	35135	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	131749	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	94645	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	228100	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	254765	20.00	ng	-0.01
87) Perylene-d12	24.92	264	293883	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	231734	133.58	ng	0.00
7) Phenol-d6	7.16	99	273756	116.82	ng	-0.01
23) Nitrobenzene-d5	9.16	82	191513	100.45	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	197215	146.60	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	622361	111.21	ng	0.00
79) Terphenyl-d14	20.02	244	1254680	106.47	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	4235	5.850	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	25381	16.718	ng	# 78
51) 2,6-Dinitrotoluene	14.66	165	11737	7.415	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11737	5.178	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13409	4.635	ng	# 1
77) Benzidine	20.02	184	16178	2.215	ng	# 90

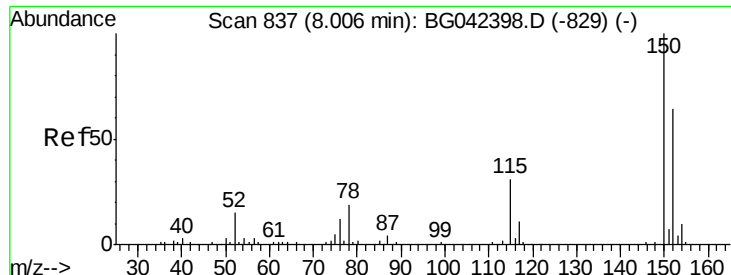
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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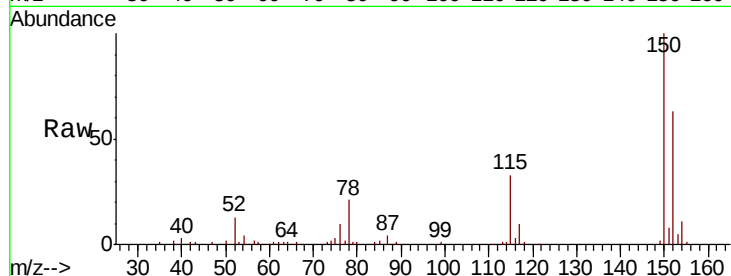




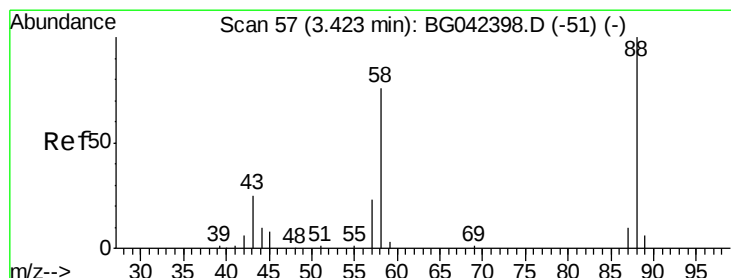
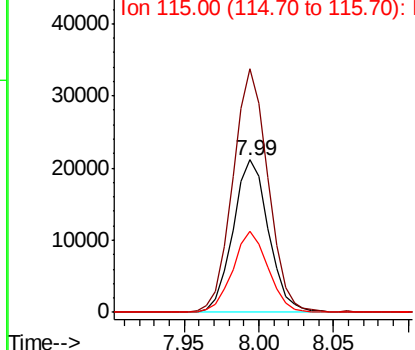
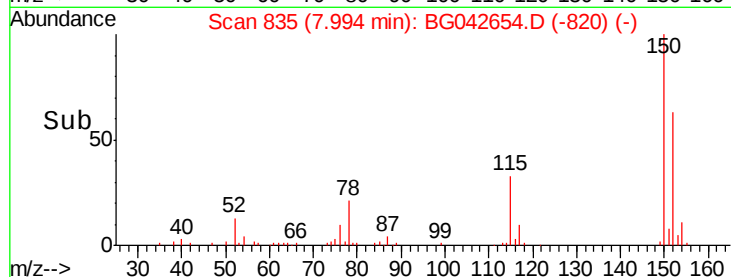
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.99 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 35135
 Ion Ratio Lower Upper
 152 100
 150 159.6 125.4 188.0
 115 53.0 38.5 57.7

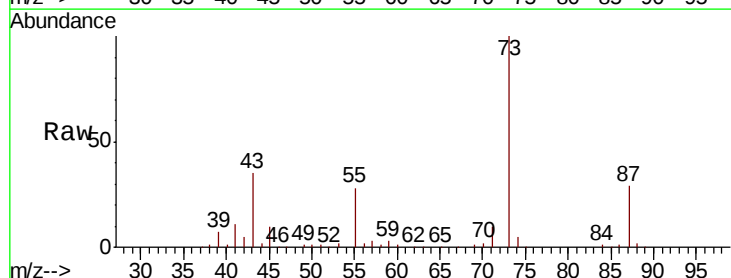


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

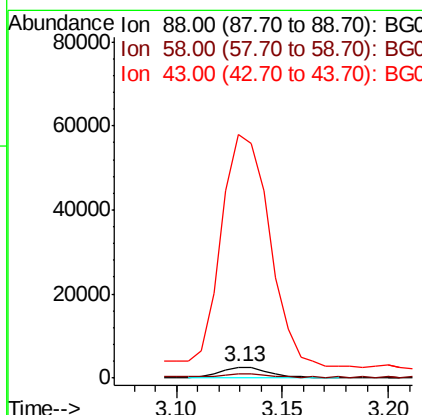
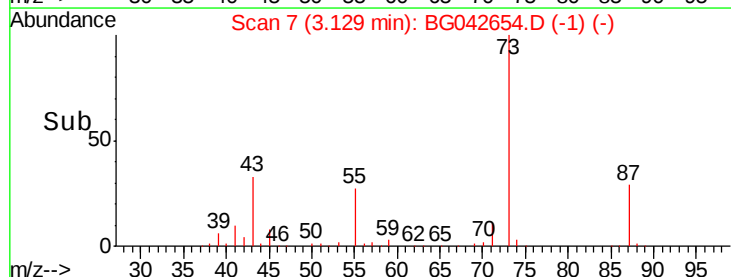


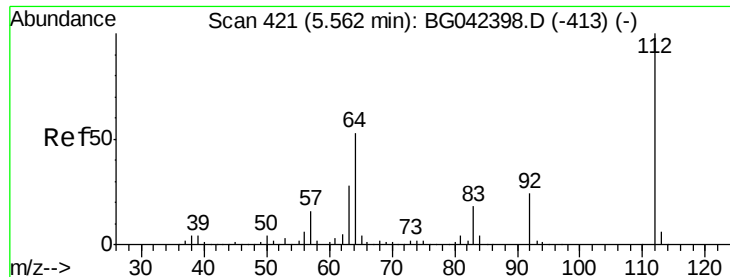
#2
 1,4-Dioxane
 Concen: 5.850 ng
 RT: 3.13 min Scan# 7
 Delta R.T. -0.29 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

Tgt Ion: 88 Resp: 4235
 Ion Ratio Lower Upper
 88 100
 58 27.8 58.3 87.5#
 43 2068.6 20.2 30.2#



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: 133.579 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

Instrument :

BNA_G

ClientSampled :

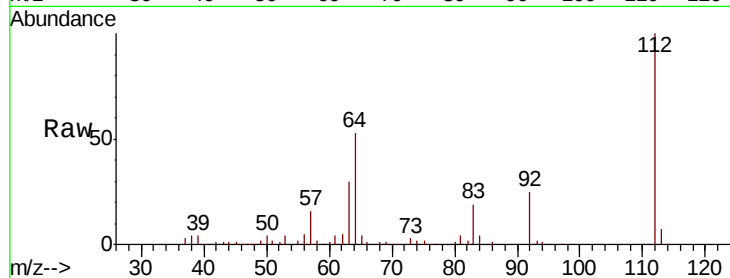
Tot Ion: 112 Resp: 231734

Ion Ratio Lower Upper

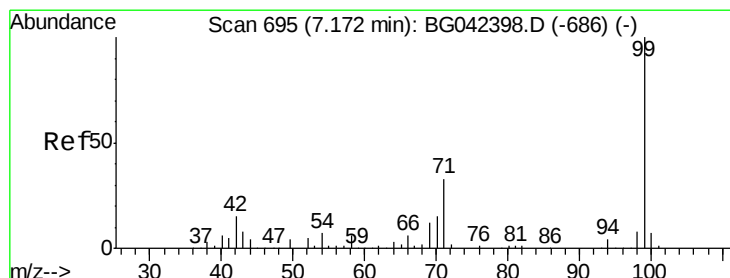
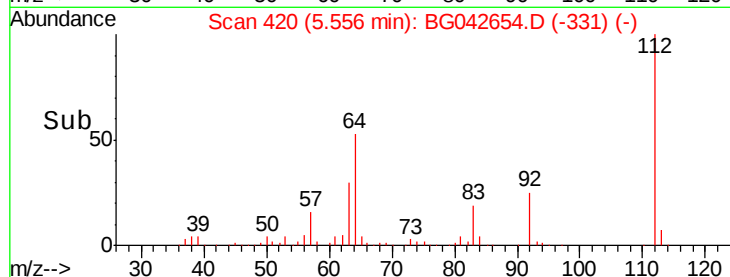
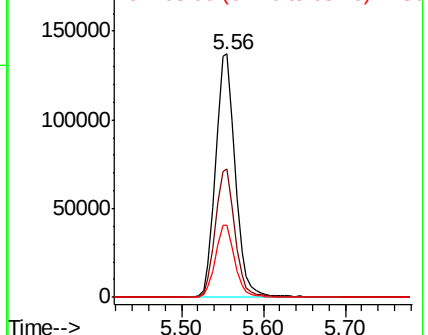
112 100

64 52.6 42.8 64.2

63 29.7 22.7 34.1



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: 116.823 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

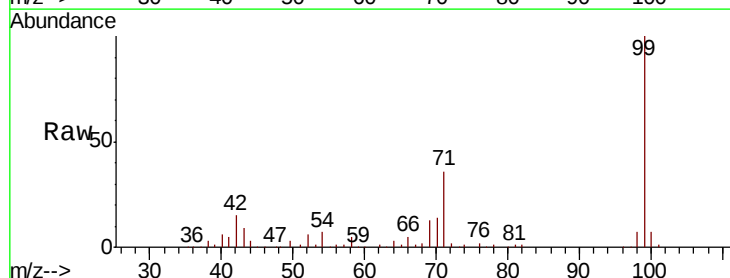
Tgt Ion: 99 Resp: 273756

Ion Ratio Lower Upper

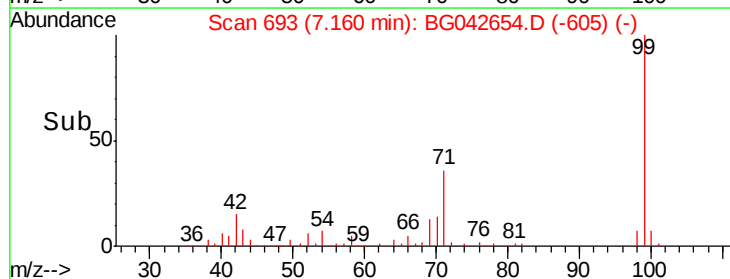
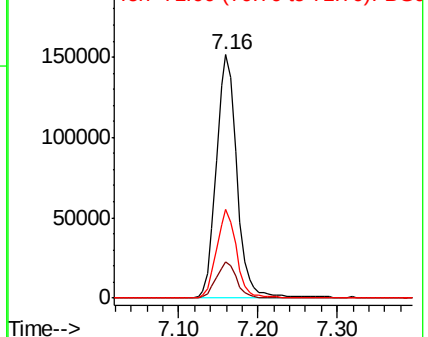
99 100

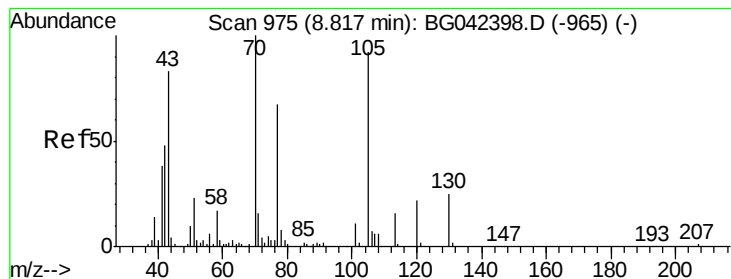
42 15.0 12.0 18.0

71 36.3 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: 16.718 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

Instrument :

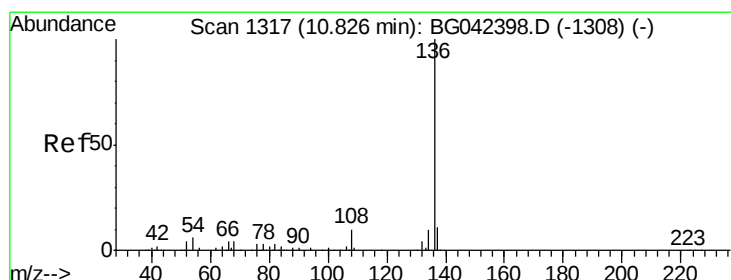
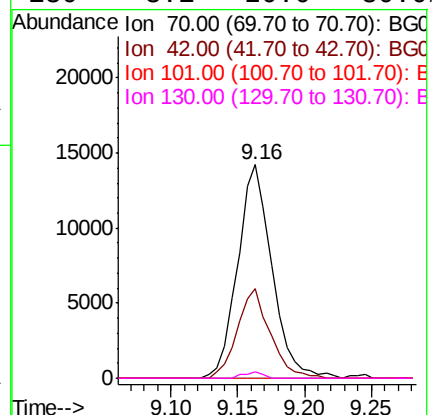
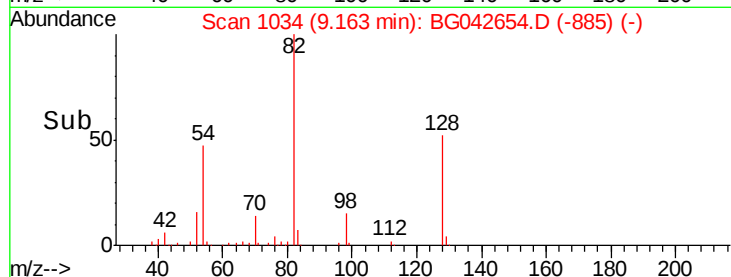
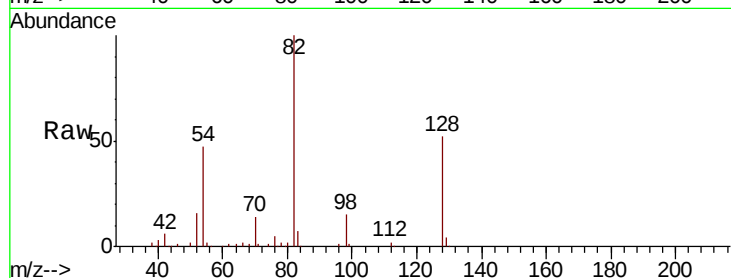
BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 25381

Ion Ratio Lower Upper

70	100		
42	42.0	38.8	58.2
101	0.0	9.0	13.6#
130	3.1	20.0	30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1315

Delta R.T. -0.01 min

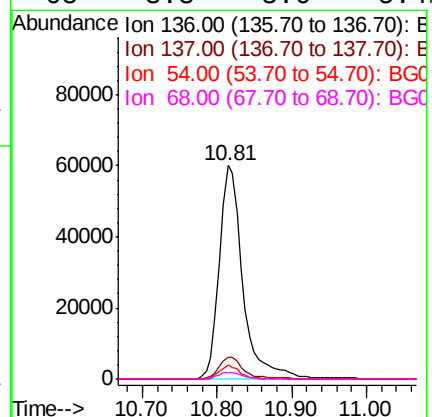
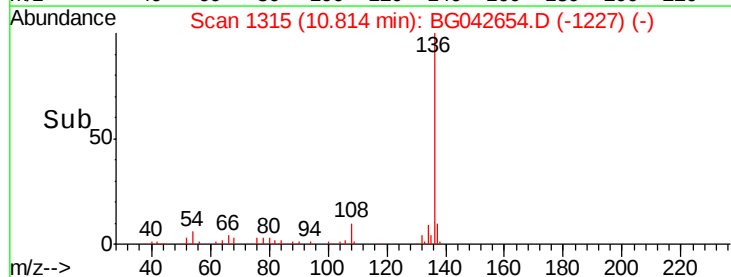
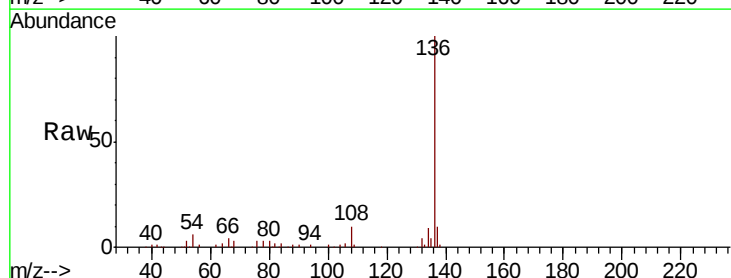
Lab File: BG042654.D

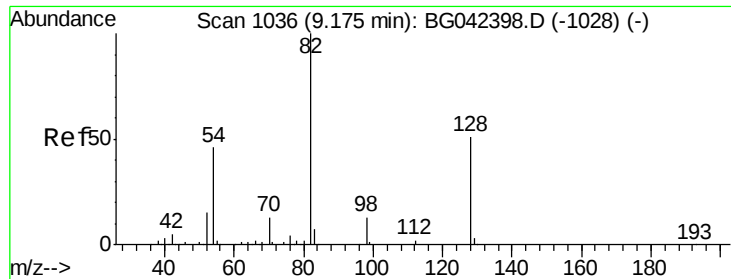
Acq: 1 Sep 2019 5:20

Tgt Ion: 136 Resp: 131749

Ion Ratio Lower Upper

136	100		
137	10.2	8.7	13.1
54	6.4	4.9	7.3
68	3.3	3.6	5.4#

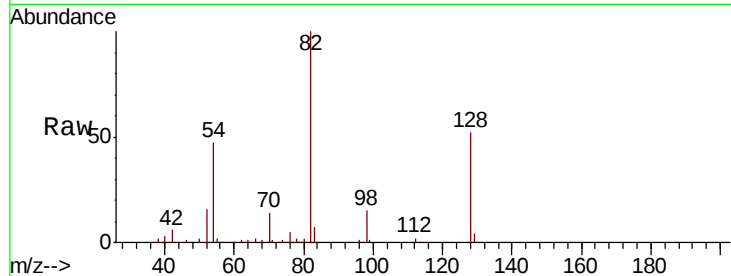




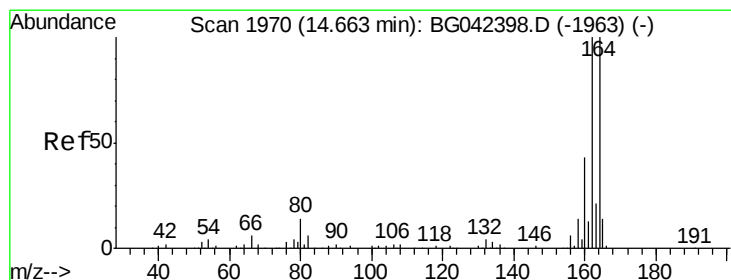
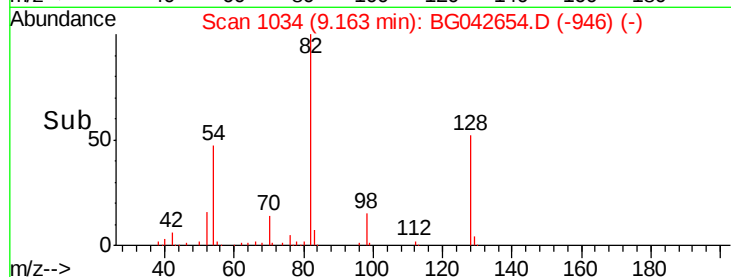
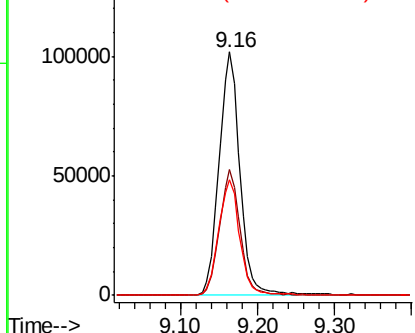
#23
 Nitrobenzene-d5
 Concen: 100.451 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	191513
Ion Ratio	Lower	Upper	
82	100		
128	51.6	40.7	61.1
54	47.5	36.3	54.5

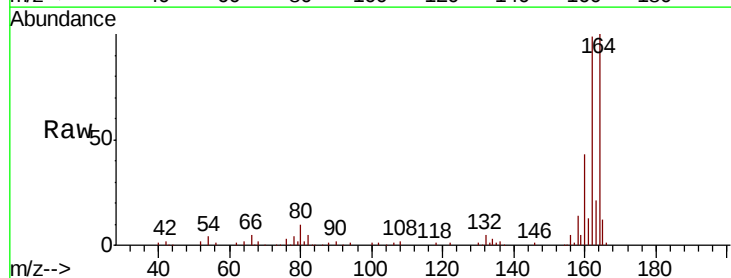


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

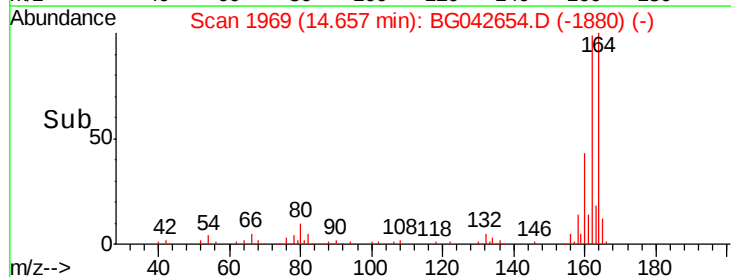
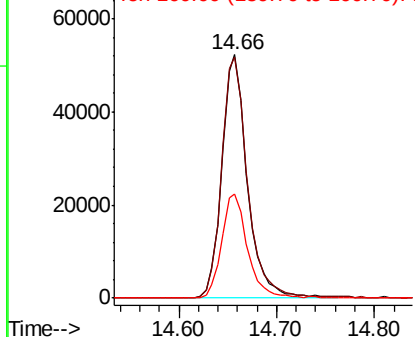


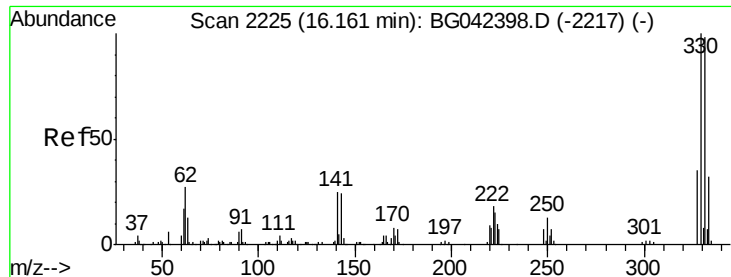
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

Tgt Ion	164	Resp	94645
Ion Ratio	Lower	Upper	
164	100		
162	98.9	79.9	119.9
160	43.0	34.3	51.5



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

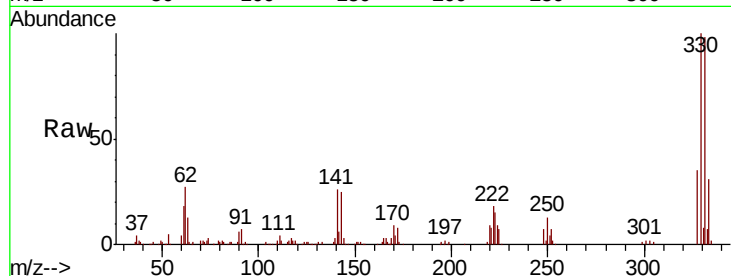




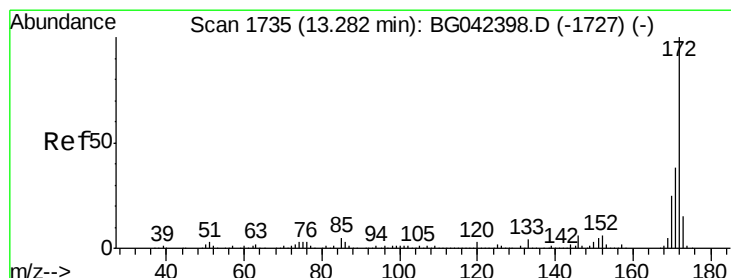
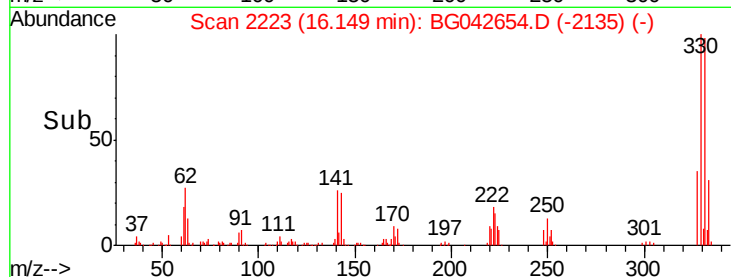
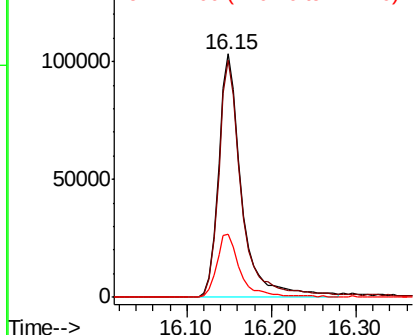
#42
 2,4,6-Tribromophenol
 Concen: 146.604 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	27.0	21.4	32.0

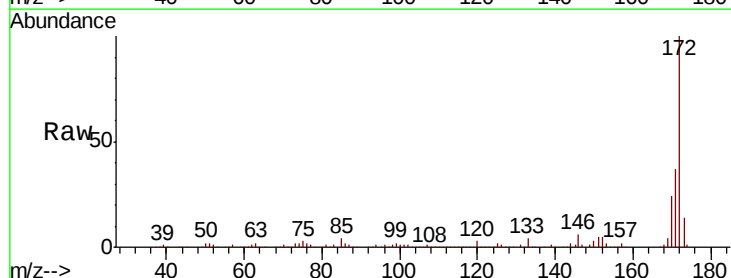


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

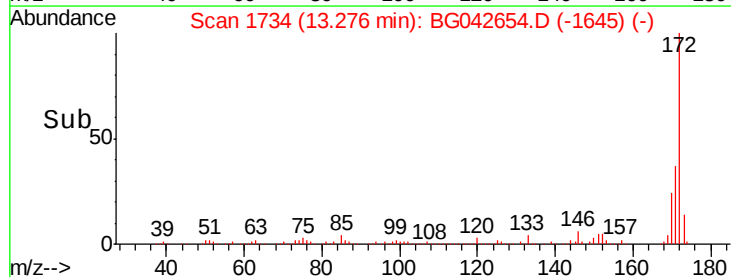
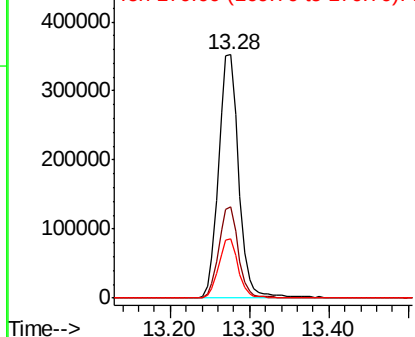


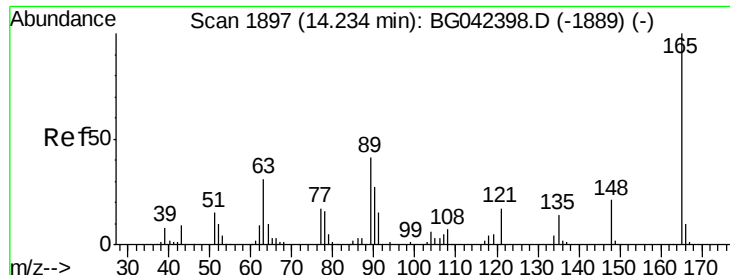
#45
 2-Fluorobiphenyl
 Concen: 111.214 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.5	45.7
170	24.3	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

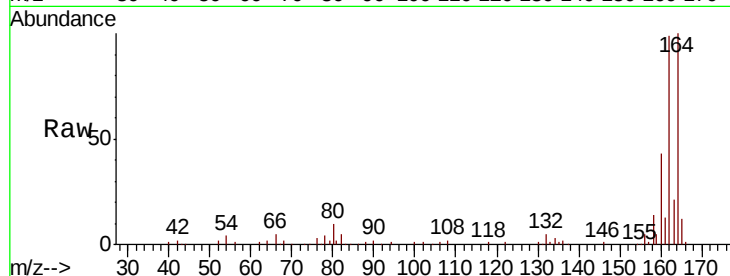




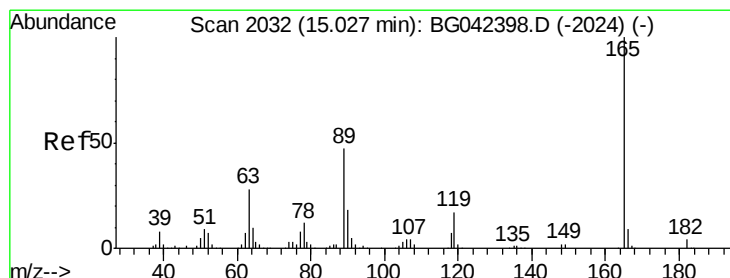
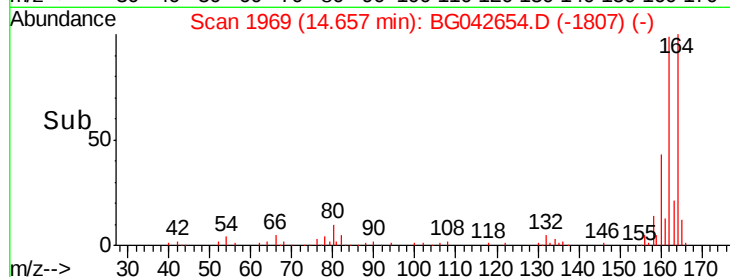
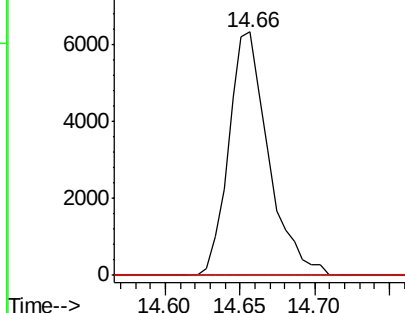
#51
 2,6-Dinitrotoluene
 Concen: 7.415 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :

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



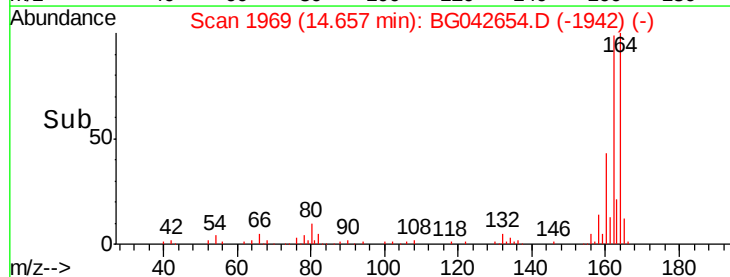
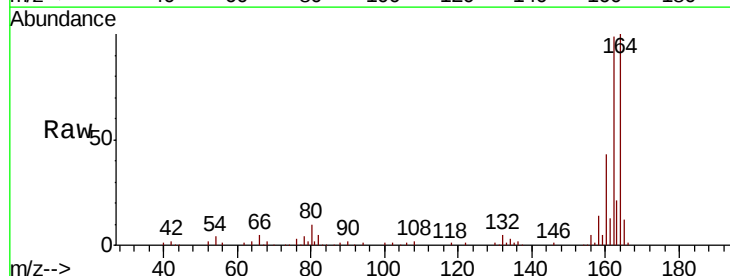
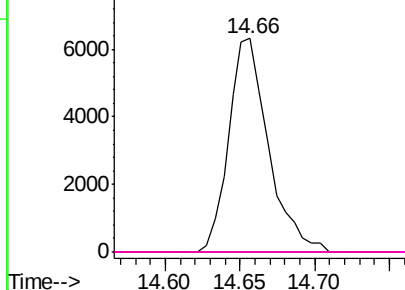
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

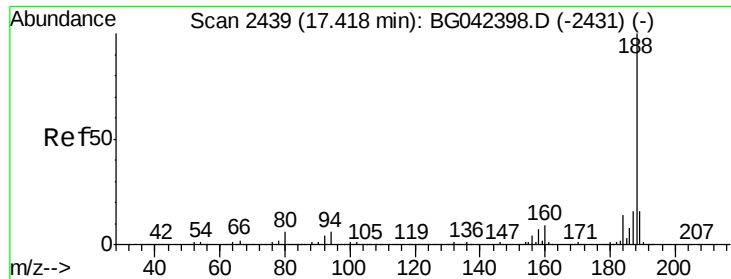


#57
 2,4-Dinitrotoluene
 Concen: 5.178 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

Tgt 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): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

Instrument :

BNA_G

ClientSampleId :

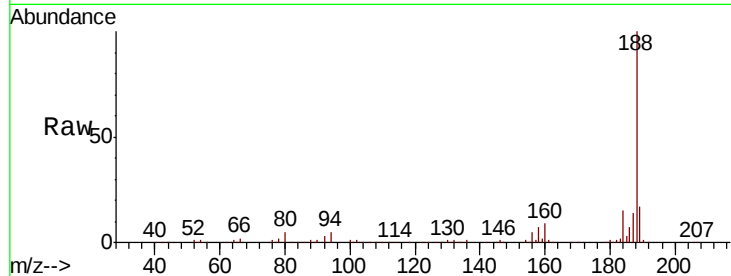
Tot Ion:188 Resp: 228100

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

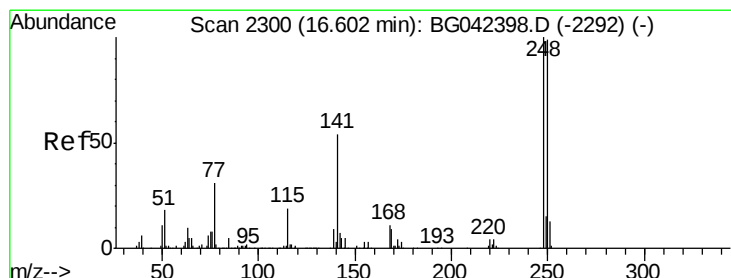
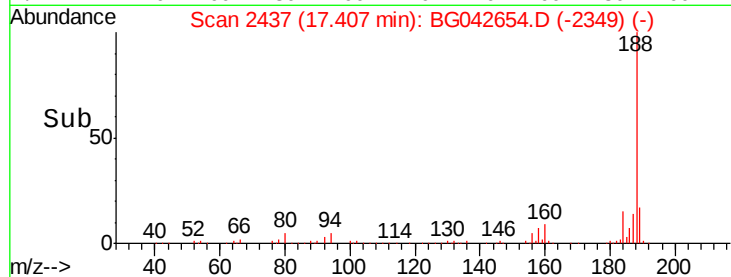
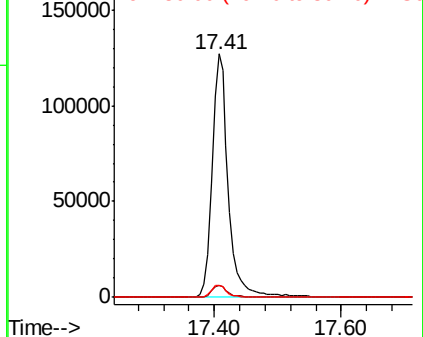
80 5.0 4.9 7.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.635 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

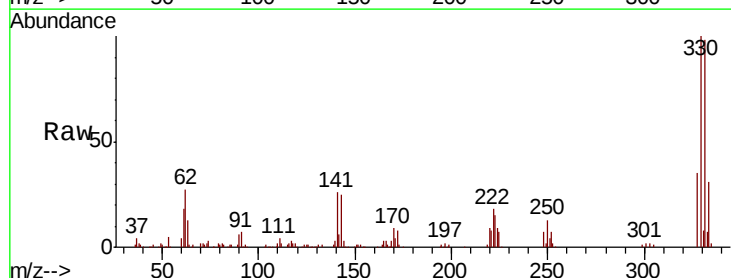
Tgt Ion:248 Resp: 13409

Ion Ratio Lower Upper

248 100

250 188.7 78.9 118.3#

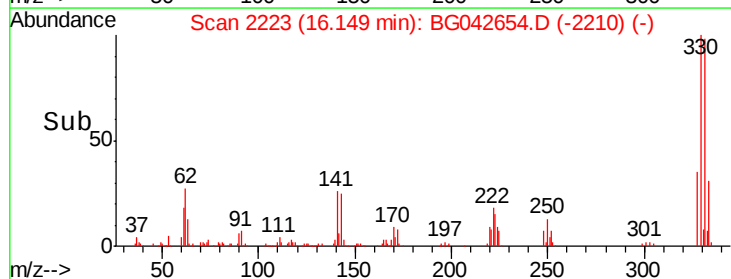
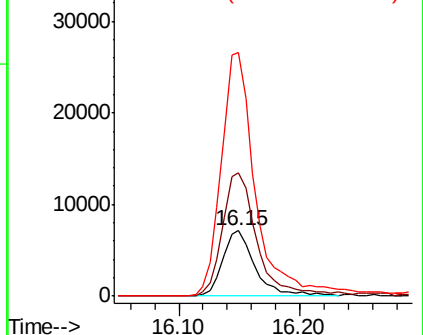
141 372.0 43.3 64.9#

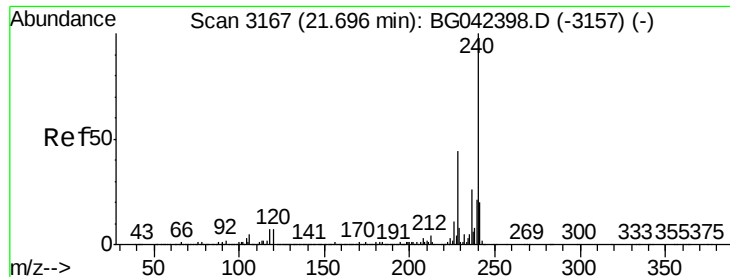


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

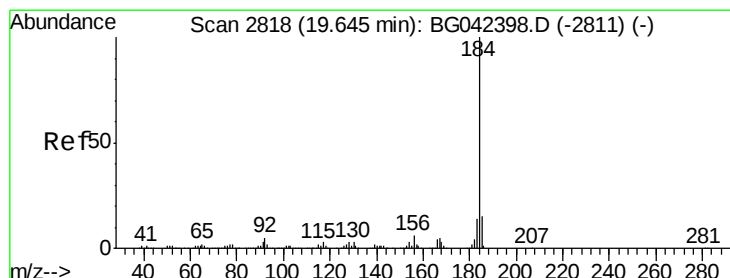
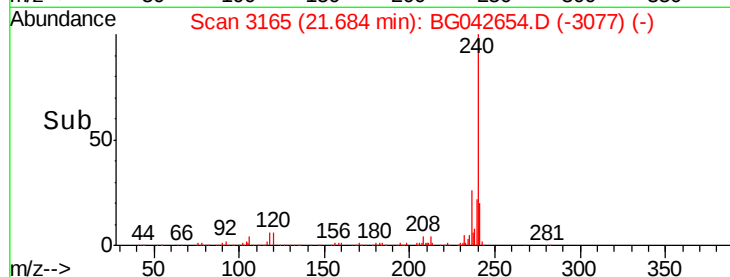
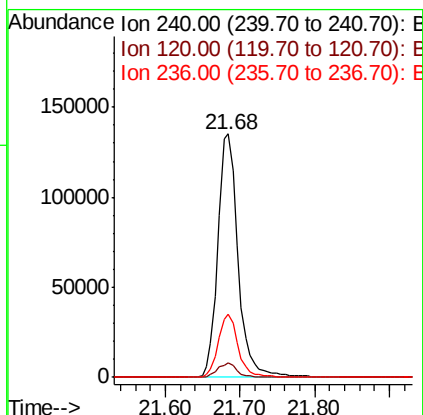
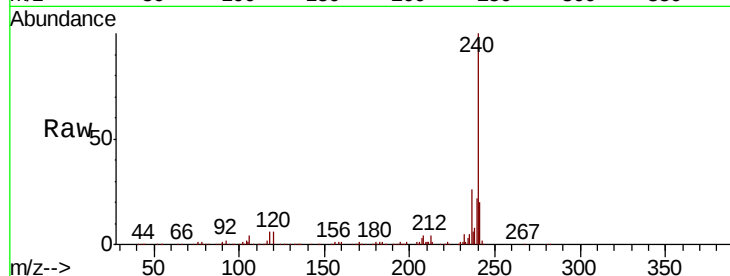




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

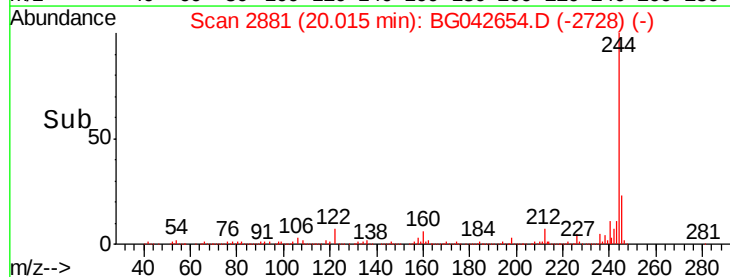
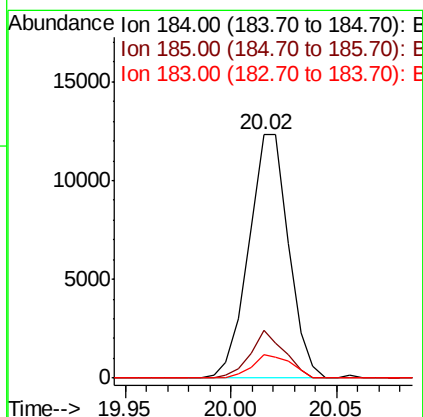
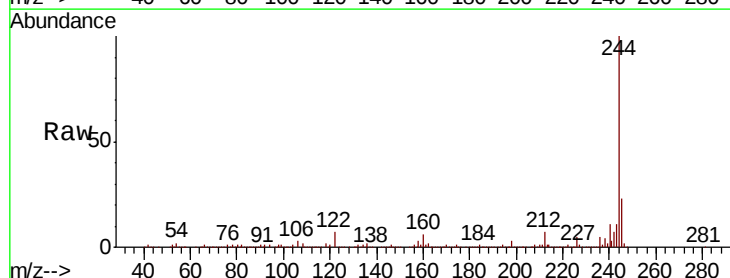
Instrument :
 BNA_G
 ClientSampleId :

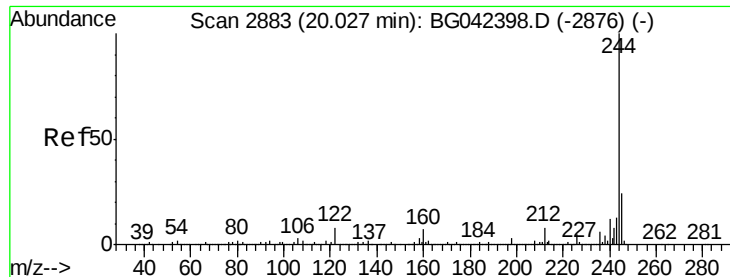
Tot Ion:240 Resp: 254765
 Ion Ratio Lower Upper
 240 100
 120 6.0 5.7 8.5
 236 25.9 21.0 31.4



#77
 Benzidine
 Concen: 2.215 ng
 RT: 20.02 min Scan# 2881
 Delta R.T. 0.37 min
 Lab File: BG042654.D
 Acq: 1 Sep 2019 5:20

Tgt Ion:184 Resp: 16178
 Ion Ratio Lower Upper
 184 100
 185 19.4 12.2 18.4#
 183 9.6 10.8 16.2#





#79

Terphenyl-d14

Concen: 106.471 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

Instrument :

BNA_G

ClientSampleId :

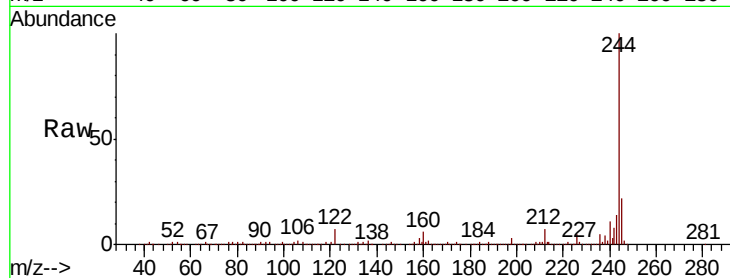
Tot Ion:244 Resp: 1254680

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

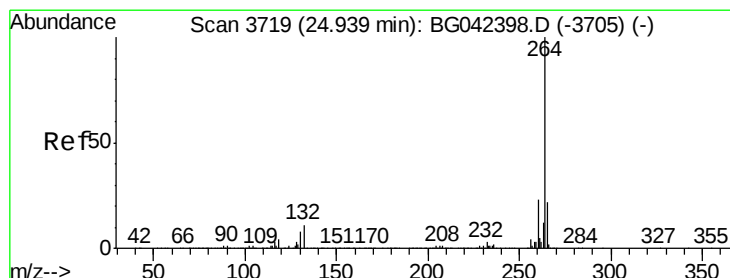
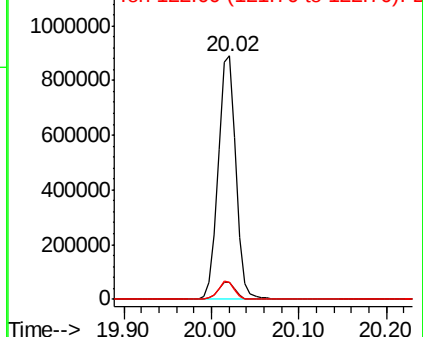
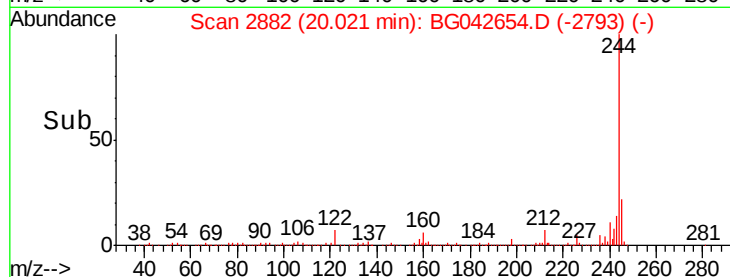
122 6.8 6.7 10.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

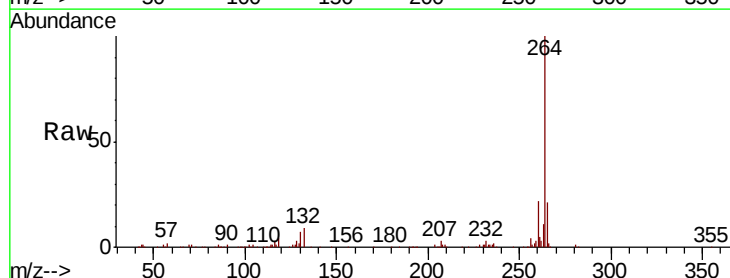
Tgt Ion:264 Resp: 293883

Ion Ratio Lower Upper

264 100

260 22.1 18.5 27.7

265 20.6 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

