

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042664.D
 Acq On : 1 Sep 2019 14:34
 Operator : HP/JU
 Sample : K4581-21
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 07:28:51 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

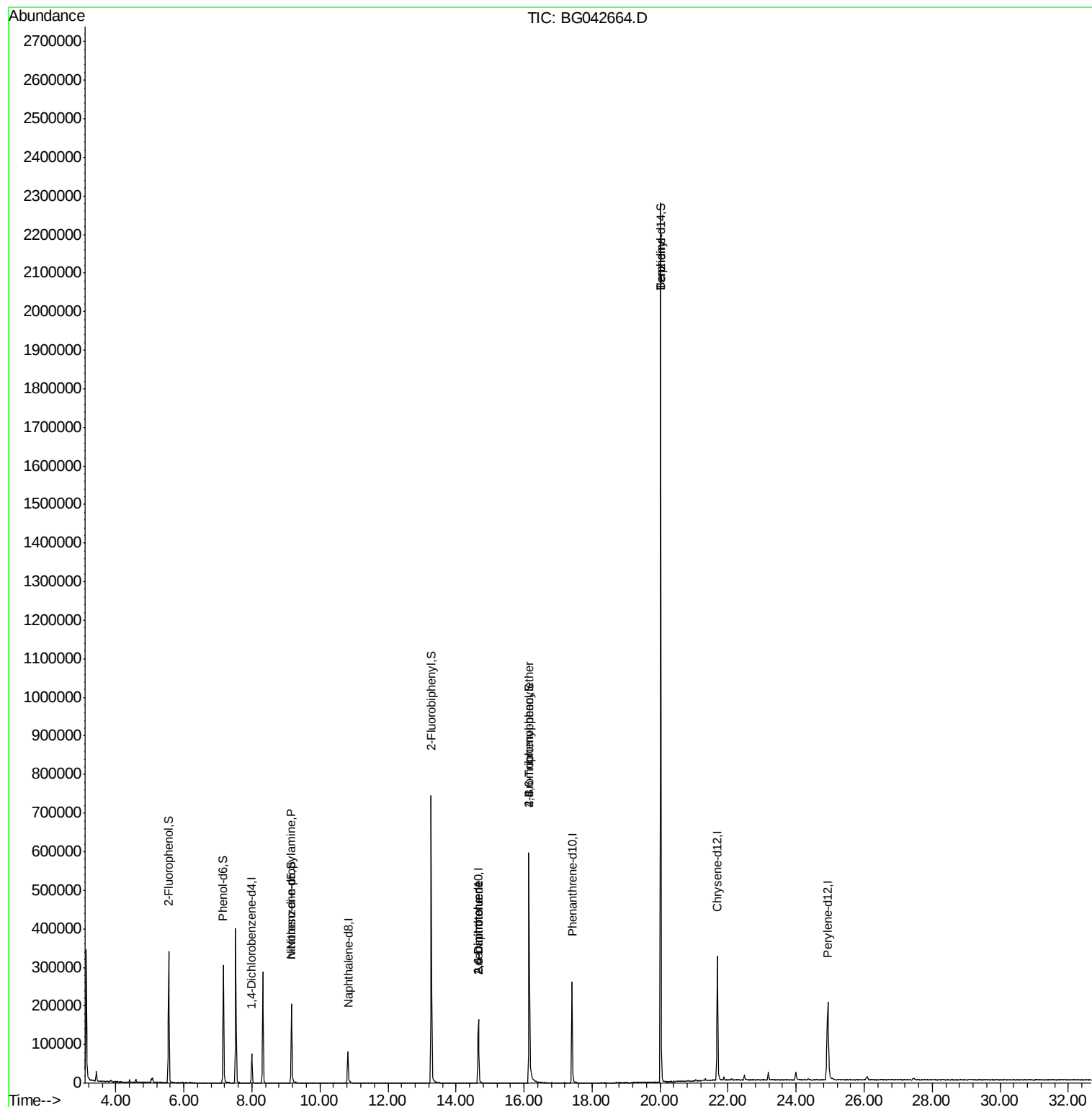
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	25343	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	97633	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	79151	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	212444	20.00	ng	0.00
76) Chrysene-d12	21.68	240	236700	20.00	ng	-0.02
87) Perylene-d12	24.93	264	275261	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	168381	134.56	ng	0.00
7) Phenol-d6	7.16	99	208529	123.37	ng	0.00
23) Nitrobenzene-d5	9.17	82	141849	100.40	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	188625	167.67	ng	-0.02
45) 2-Fluorobiphenyl	13.27	172	483889	103.40	ng	0.00
79) Terphenyl-d14	20.02	244	1211588	110.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	18390	16.794	ng	# 75
51) 2,6-Dinitrotoluene	14.66	165	10307	7.786	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	10307	5.437	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12712	4.717	ng	# 1
77) Benzidine	20.02	184	15323	2.258	ng	# 95

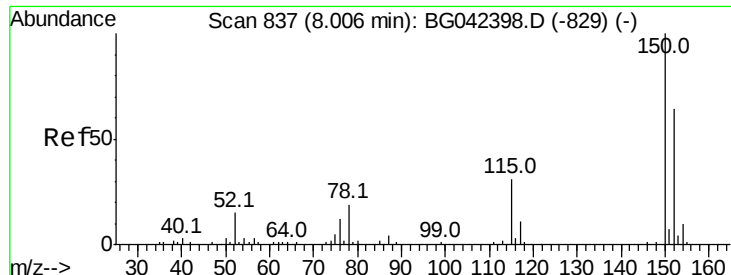
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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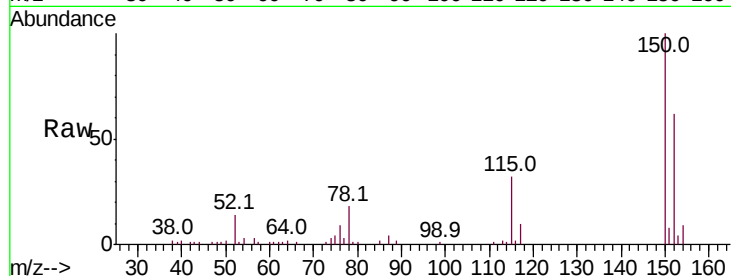


#1

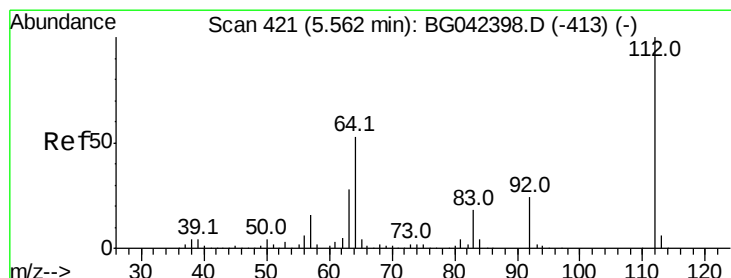
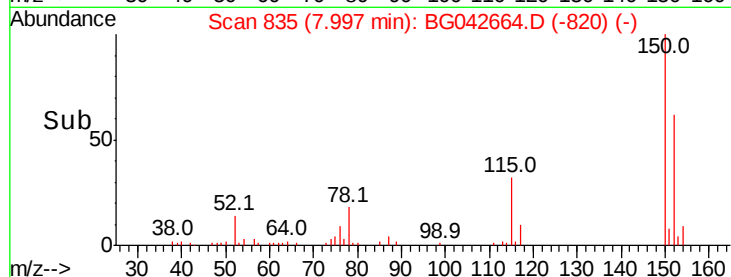
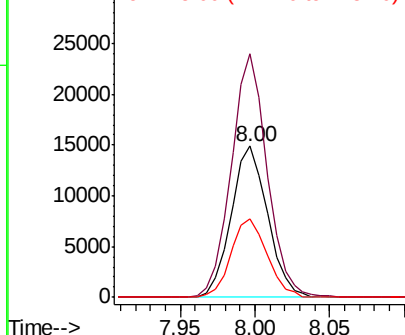
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042664.D
Acq: 1 Sep 2019 14:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25343
Ion Ratio Lower Upper
152 100
150 161.4 125.4 188.0
115 51.9 38.5 57.7



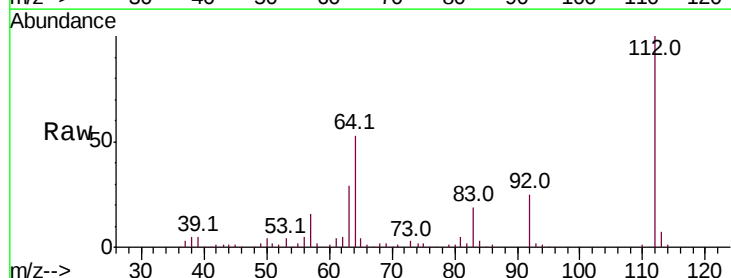
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



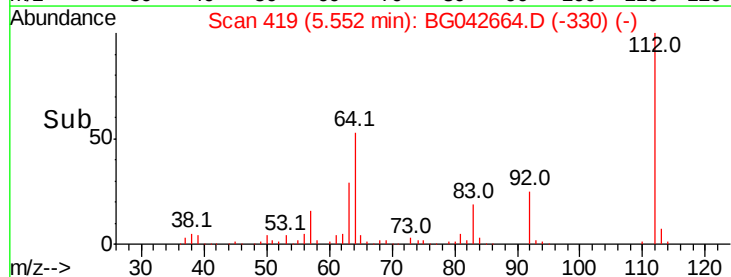
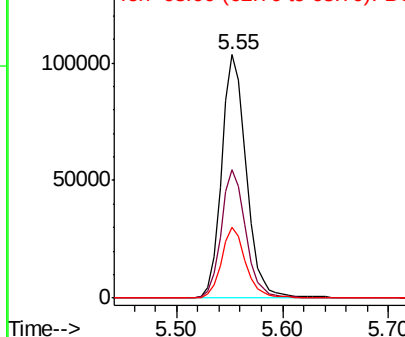
#5

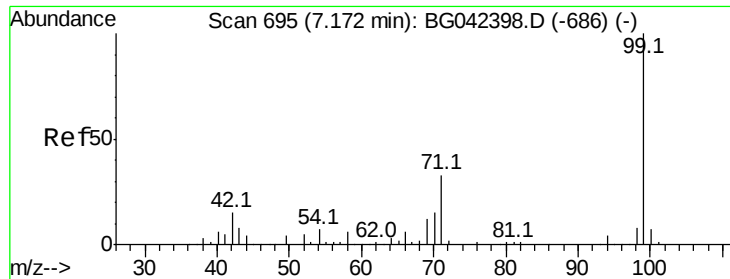
2-Fluorophenol
Concen: 134.562 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042664.D
Acq: 1 Sep 2019 14:34

Tgt Ion:112 Resp: 168381
Ion Ratio Lower Upper
112 100
64 52.5 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 123.371 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042664.D

Acq: 1 Sep 2019 14:34

Instrument :

BNA_G

ClientSampled :

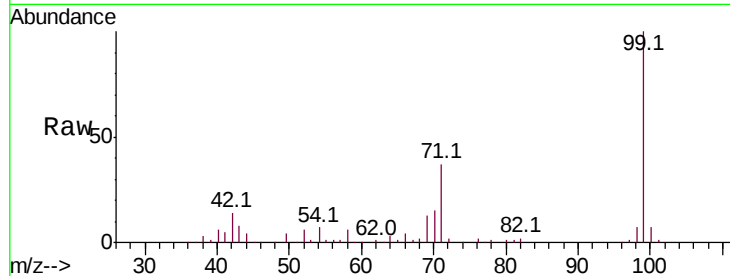
Tot Ion: 99 Resp: 208529

Ion Ratio Lower Upper

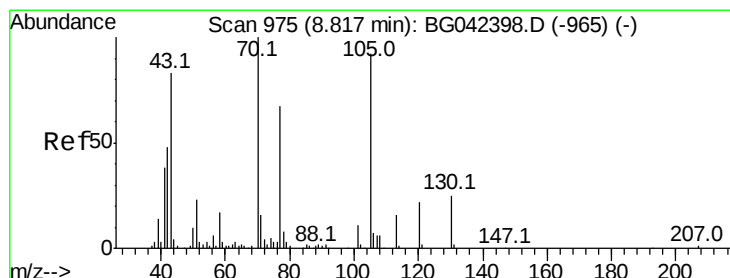
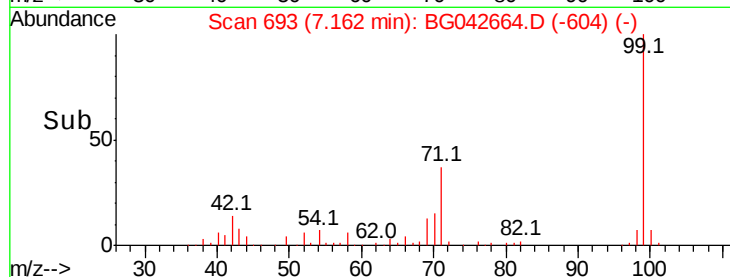
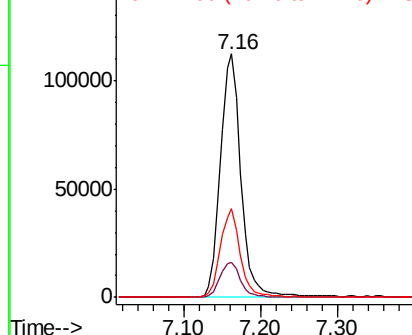
99 100

42 14.5 12.0 18.0

71 36.6 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: 16.794 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042664.D

Acq: 1 Sep 2019 14:34

Tgt Ion: 70 Resp: 18390

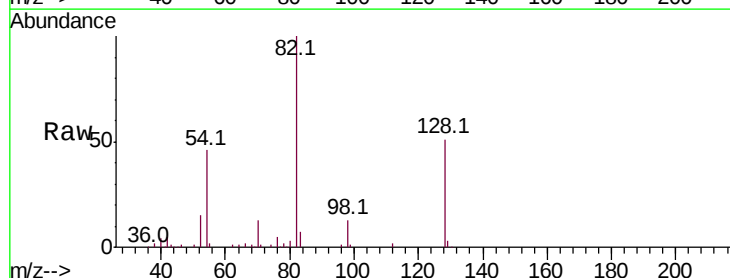
Ion Ratio Lower Upper

70 100

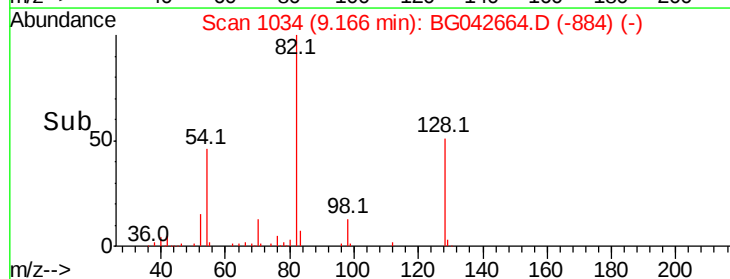
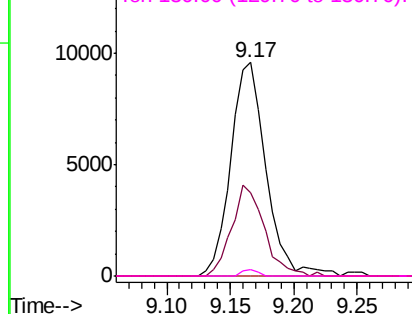
42 39.0 38.8 58.2

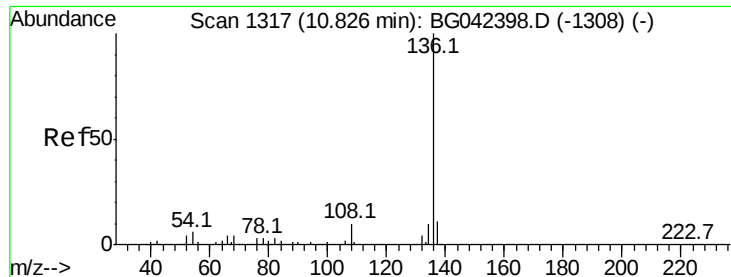
101 0.0 9.0 13.6#

130 3.0 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

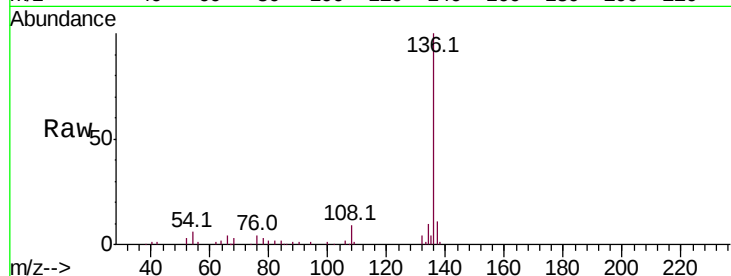




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042664.D
Acq: 1 Sep 2019 14:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 97633
Ion Ratio	Lower Upper
136 100	
137 10.7	8.7 13.1
54 6.1	4.9 7.3
68 3.3	3.6 5.4#



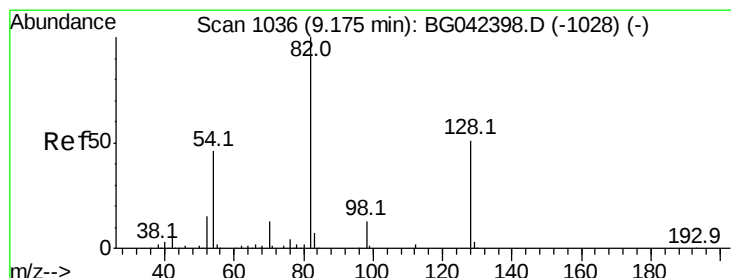
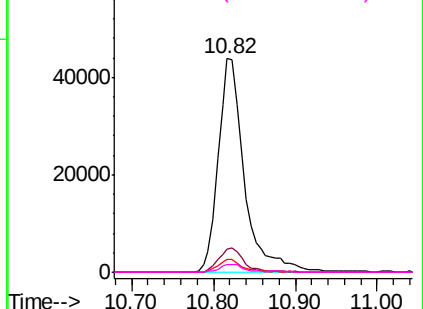
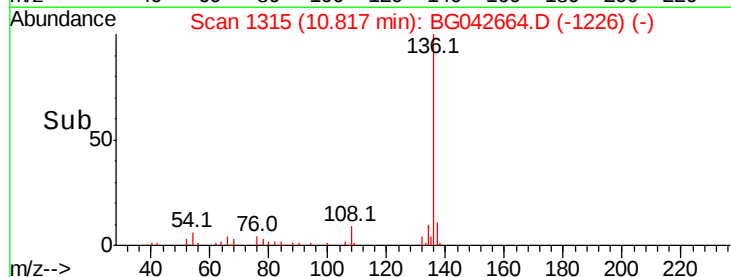
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

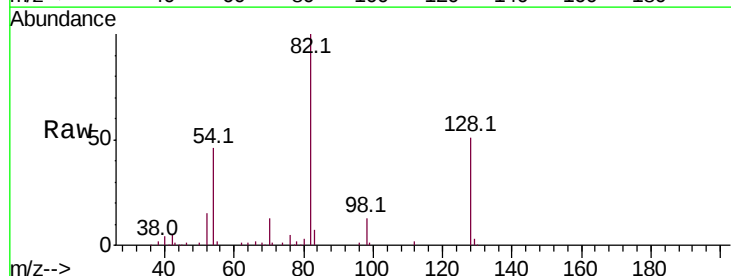
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 100.400 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042664.D
Acq: 1 Sep 2019 14:34

Tgt Ion: 82	Resp: 141849
Ion Ratio	Lower Upper
82 100	
128 50.7	40.7 61.1
54 45.9	36.3 54.5

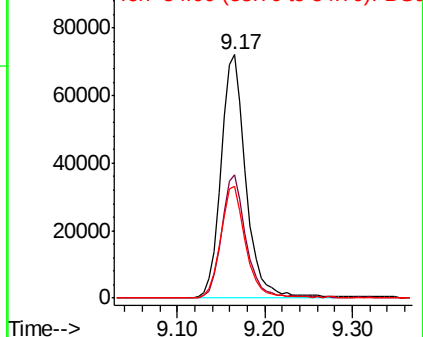
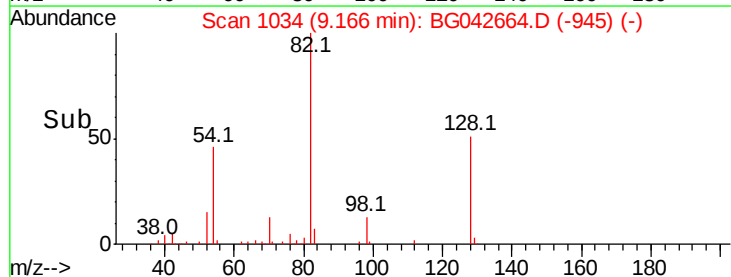


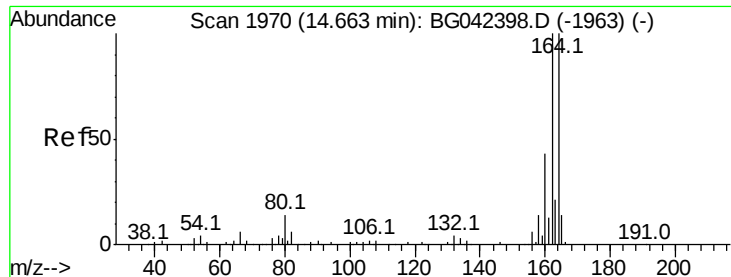
Abundance

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. -0.00 min

Lab File: BG042664.D

Acq: 1 Sep 2019 14:34

Instrument :

BNA_G

ClientSampled :

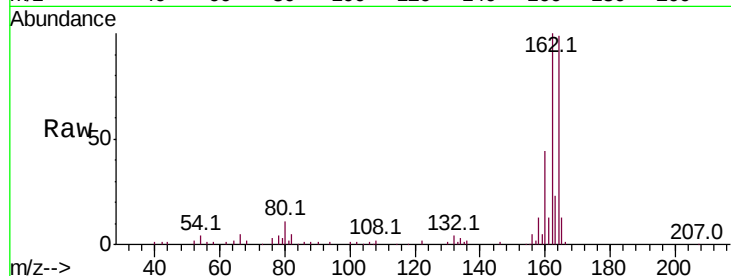
Tot Ion:164 Resp: 79151

Ion Ratio Lower Upper

164 100

162 101.0 79.9 119.9

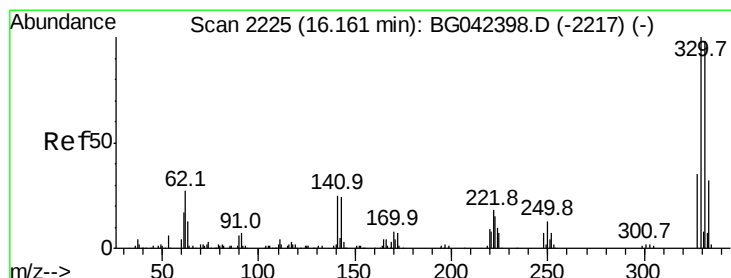
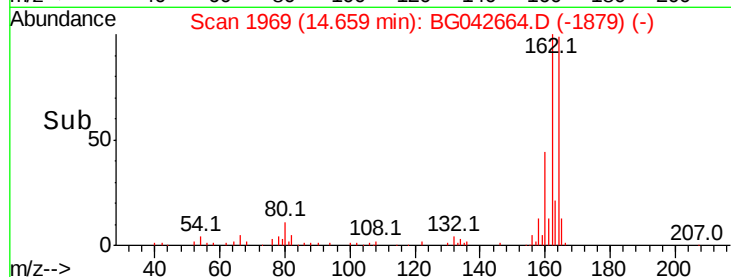
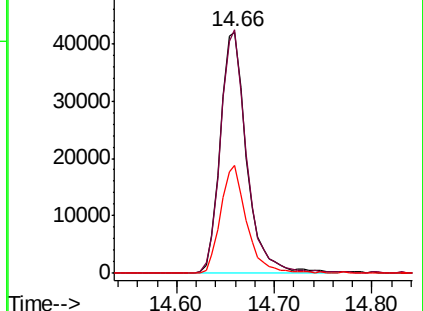
160 44.6 34.3 51.5



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: 167.666 ng

RT: 16.15 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BG042664.D

Acq: 1 Sep 2019 14:34

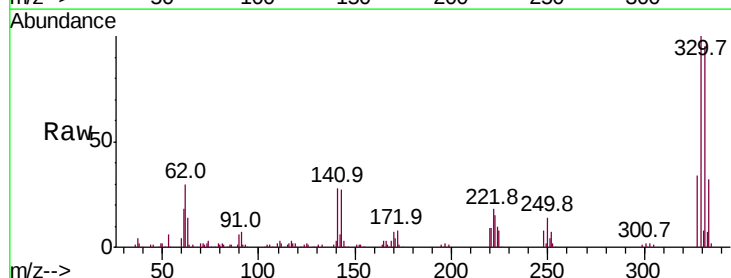
Tgt Ion:330 Resp: 188625

Ion Ratio Lower Upper

330 100

332 99.3 77.4 116.0

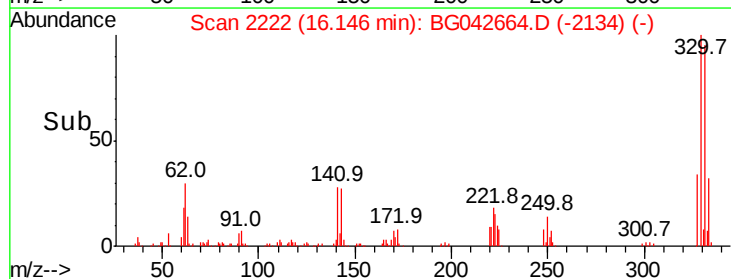
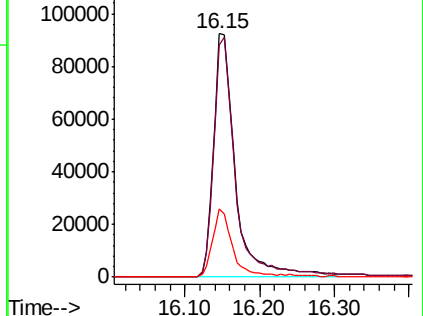
141 25.9 21.4 32.0

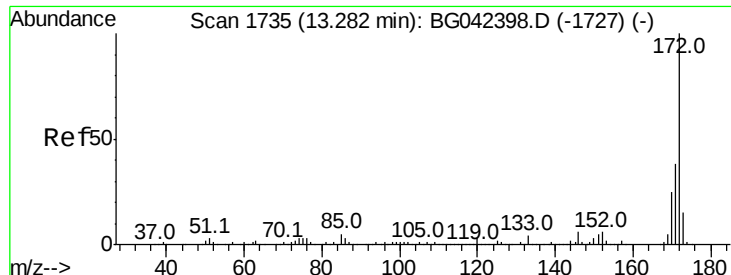


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

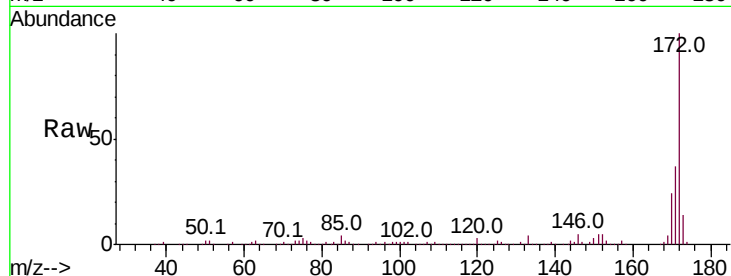




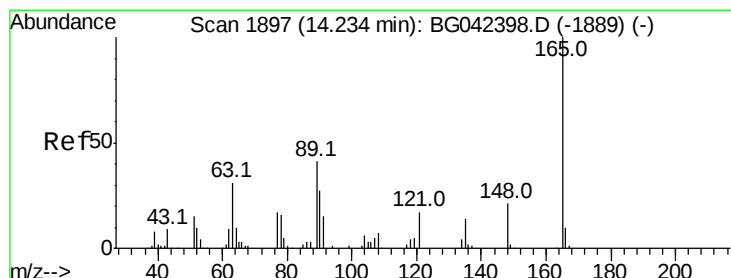
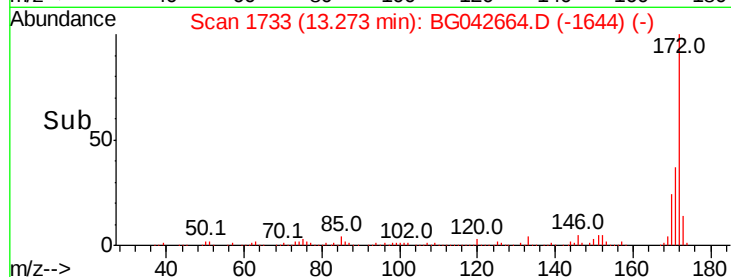
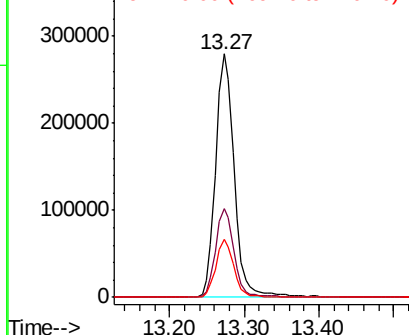
#45
 2-Fluorobiphenyl
 Concen: 103.397 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG042664.D
 Acq: 1 Sep 2019 14:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 483889
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.5 45.7
 170 23.6 20.2 30.2

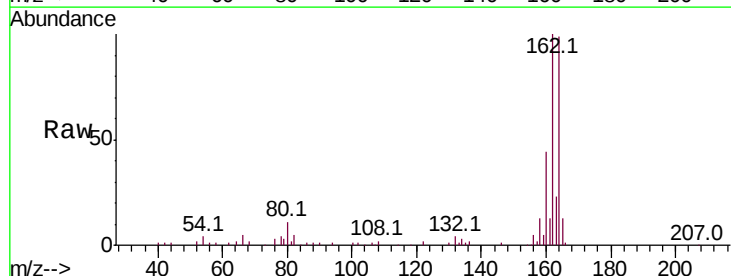


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

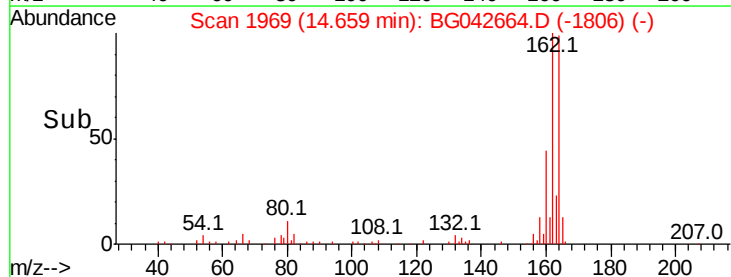
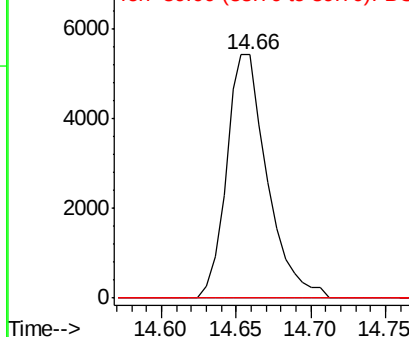


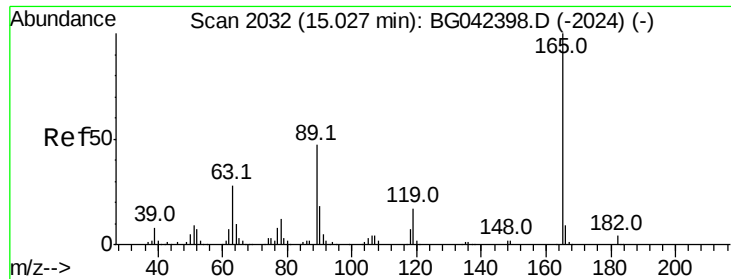
#51
 2,6-Dinitrotoluene
 Concen: 7.786 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG042664.D
 Acq: 1 Sep 2019 14:34

Tgt Ion:165 Resp: 10307
 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

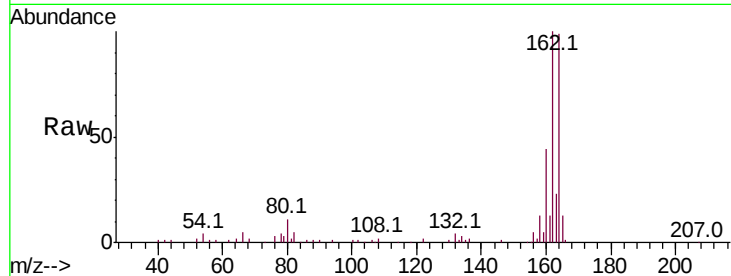




#57
 2,4-Dinitrotoluene
 Concen: 5.437 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042664.D
 Acq: 1 Sep 2019 14:34

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#



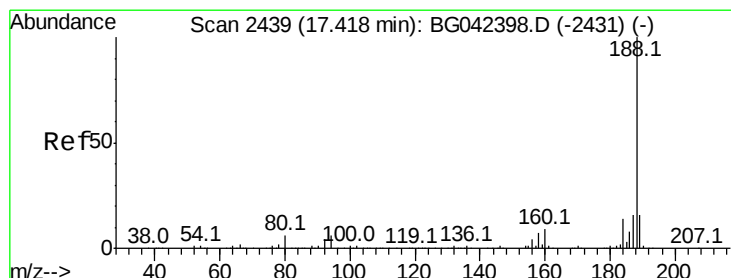
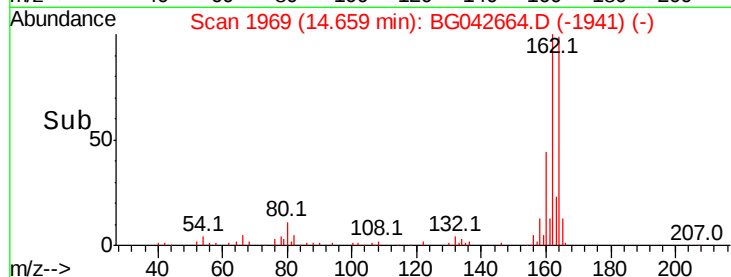
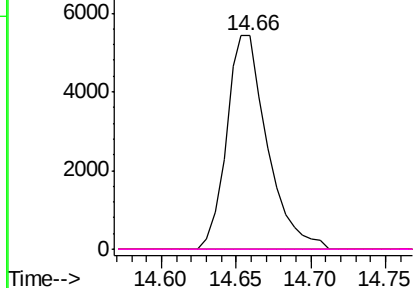
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

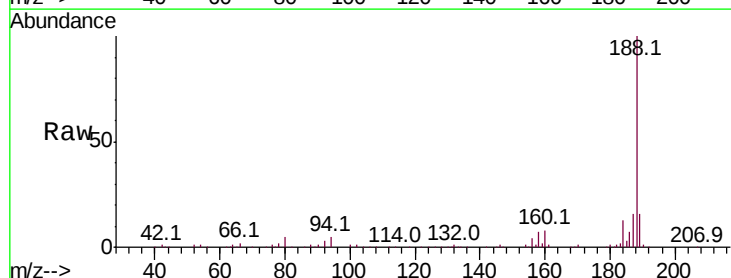
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042664.D
 Acq: 1 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.1	4.5	6.7
80	5.1	4.9	7.3

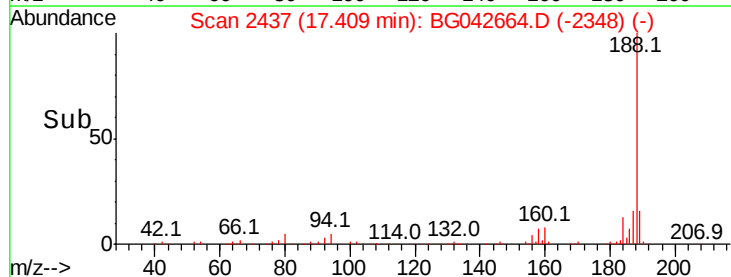
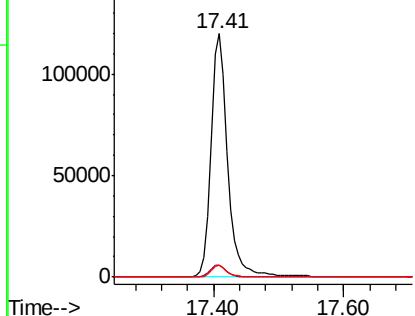


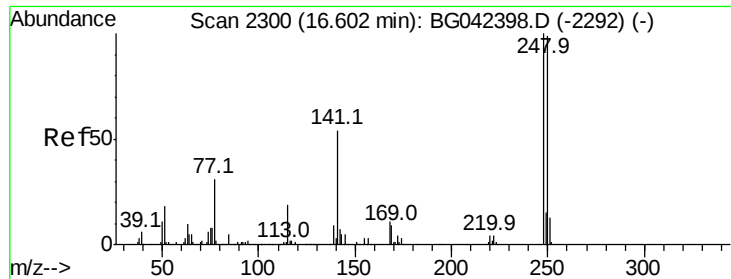
Abundance

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

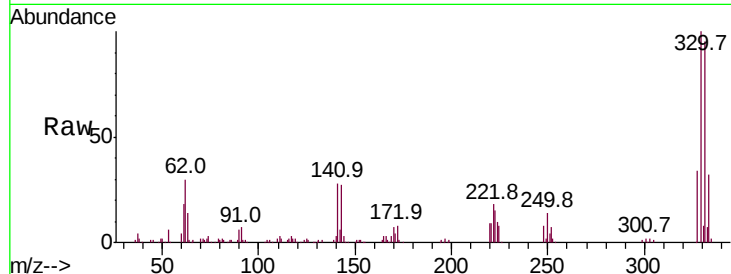




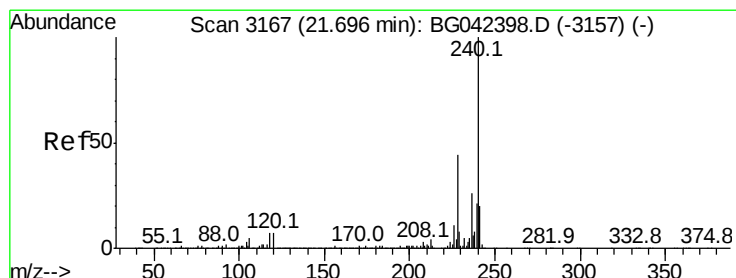
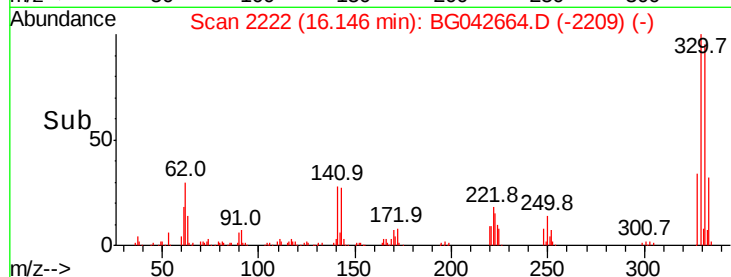
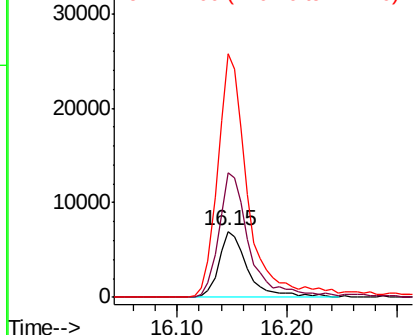
#67
 4-Bromophenyl-phenylether
 Concen: 4.717 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG042664.D
 Acq: 1 Sep 2019 14:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12712
 Ion Ratio Lower Upper
 248 100
 250 189.6 78.9 118.3#
 141 370.4 43.3 64.9#

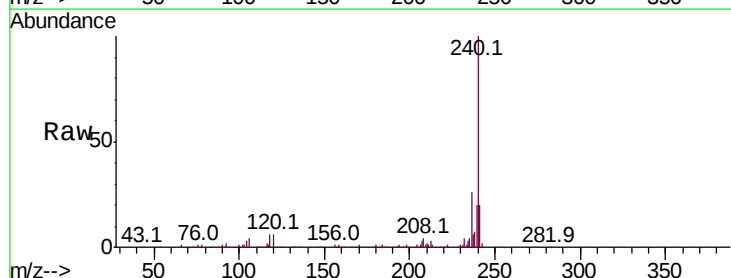


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

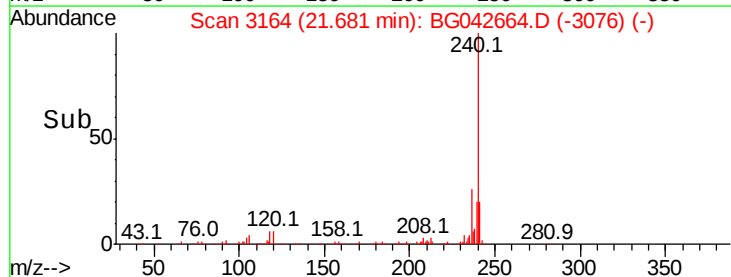
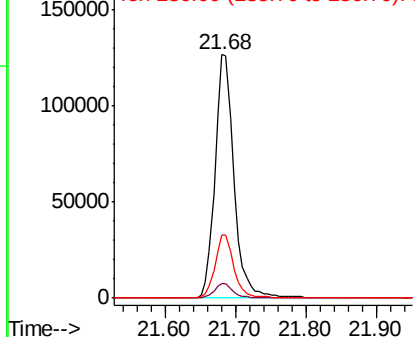


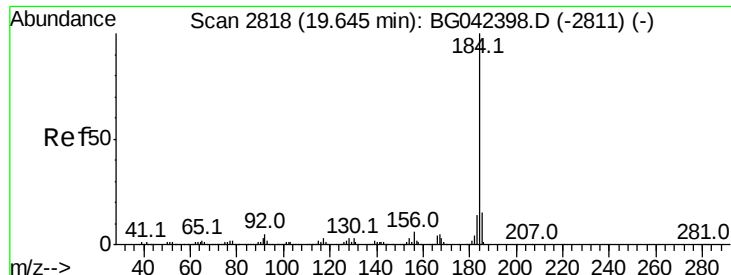
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.02 min
 Lab File: BG042664.D
 Acq: 1 Sep 2019 14:34

Tgt Ion:240 Resp: 236700
 Ion Ratio Lower Upper
 240 100
 120 5.8 5.7 8.5
 236 25.9 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: 2.258 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.37 min

Lab File: BG042664.D

Acq: 1 Sep 2019 14:34

Instrument :

BNA_G

ClientSampleId :

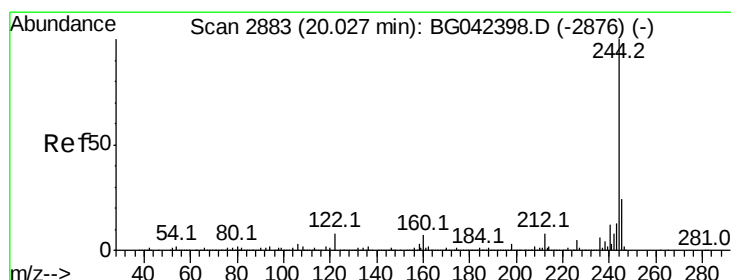
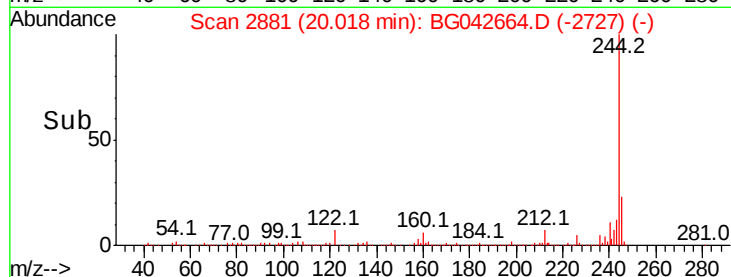
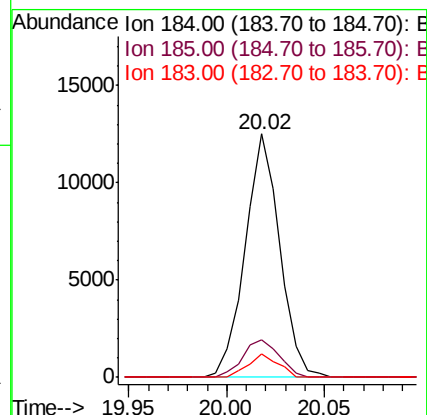
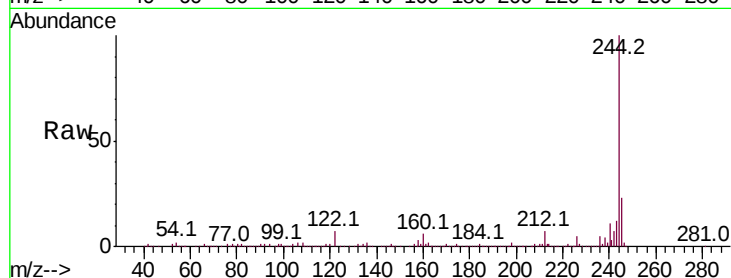
Tot Ion:184 Resp: 15323

Ion Ratio Lower Upper

184 100

185 15.5 12.2 18.4

183 9.6 10.8 16.2#



#79

Terphenyl-d14

Concen: 110.661 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042664.D

Acq: 1 Sep 2019 14:34

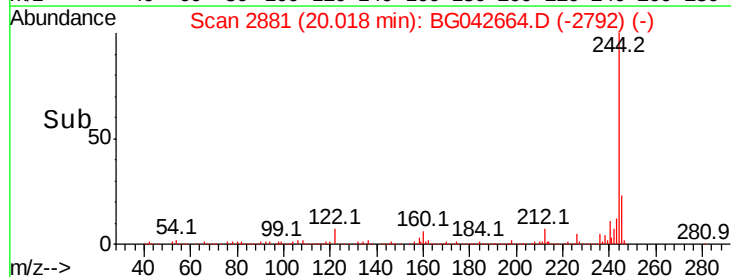
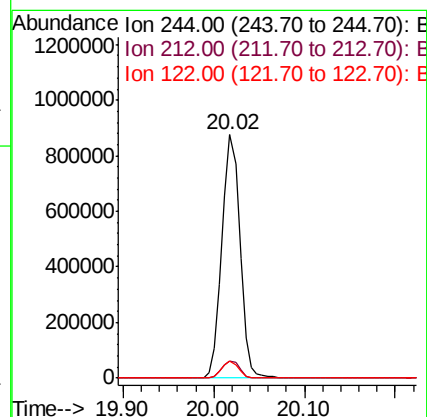
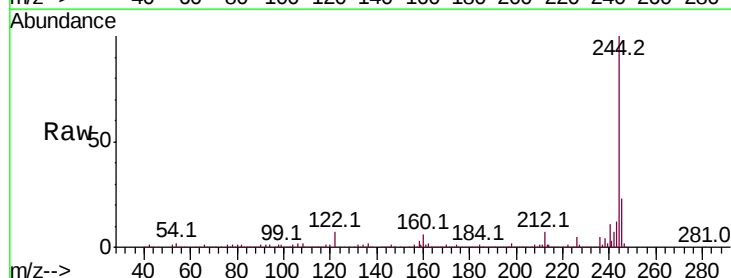
Tgt Ion:244 Resp: 1211588

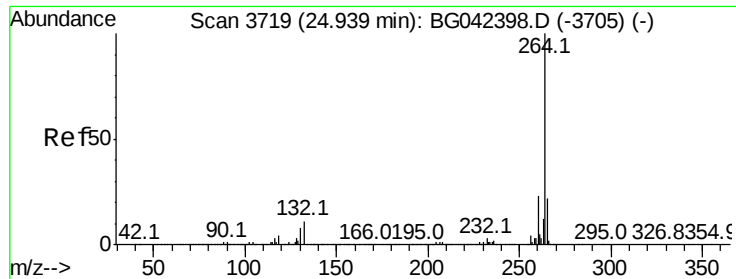
Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 6.9 6.7 10.1





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042664.D
 Acq: 1 Sep 2019 14:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	20.6	17.6	26.4

