

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042458.D
 Acq On : 24 Aug 2019 8:57
 Operator : HP/JU
 Sample : K4477-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 04:59:27 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

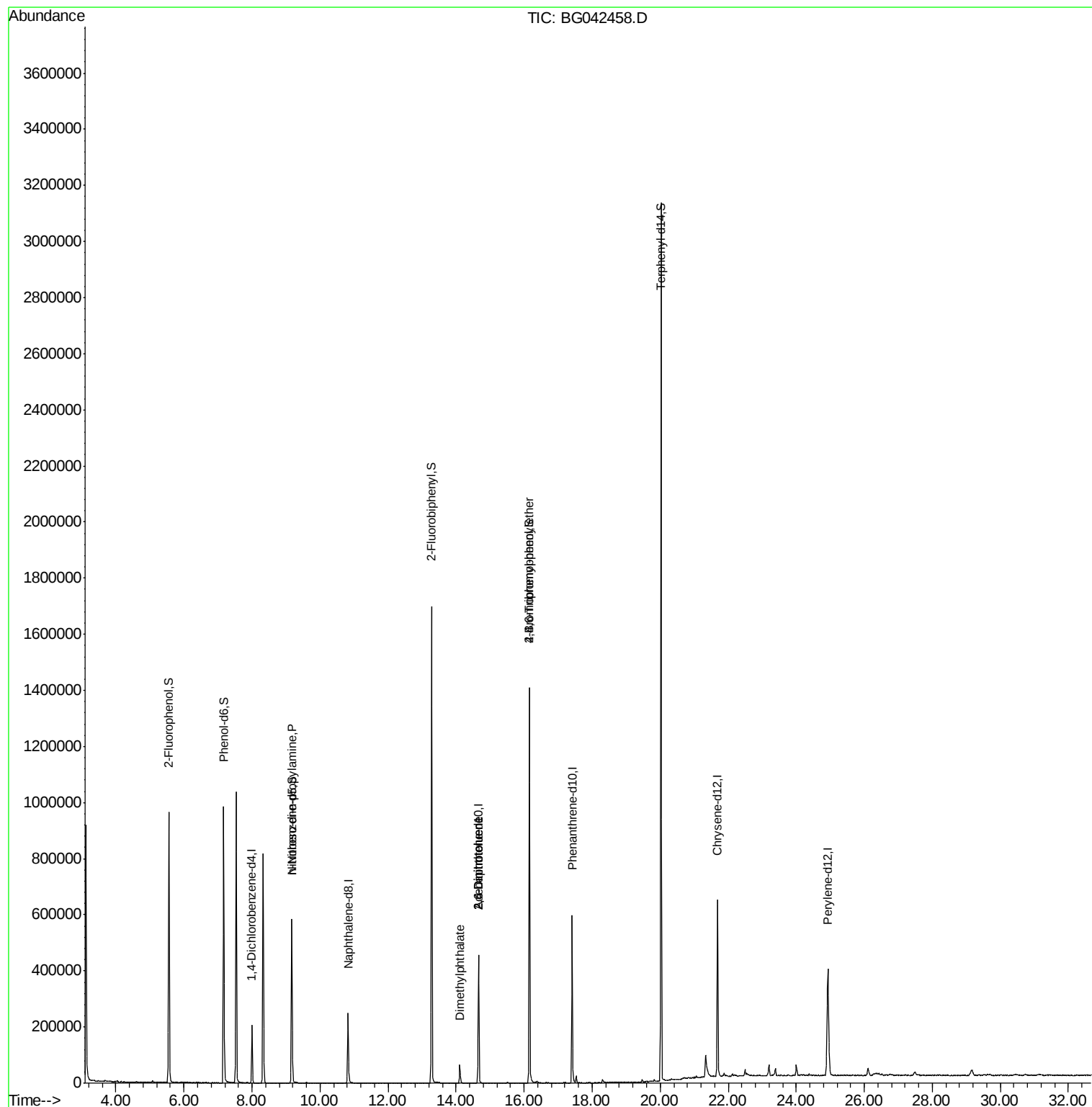
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	66375	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	264681	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	187571	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	399296	20.00	ng	0.00
76) Chrysene-d12	21.68	240	393862	20.00	ng	-0.01
87) Perylene-d12	24.93	264	458116	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	489949	149.50	ng	0.00
7) Phenol-d6	7.17	99	681788	154.01	ng	0.00
23) Nitrobenzene-d5	9.17	82	388550	101.44	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	326549	122.49	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1018037	91.79	ng	0.00
79) Terphenyl-d14	20.03	244	1574124	86.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	49386	17.220	ng	Qvalue # 73
50) Dimethylphthalate	14.11	163	65738	4.857	ng	97
51) 2,6-Dinitrotoluene	14.66	165	25131	8.011	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	25131	5.594	ng	# 39
67) 4-Bromophenyl-phenylether	16.16	248	23191	4.579	ng	# 1

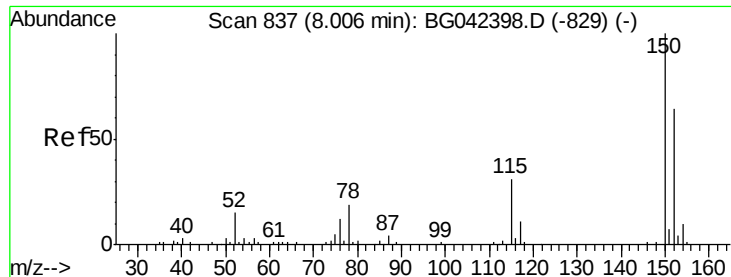
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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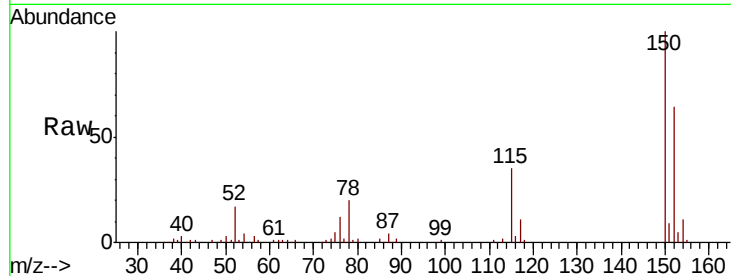


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042458.D
Acq: 24 Aug 2019 8:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.4	188.0
115	55.5	38.5	57.7

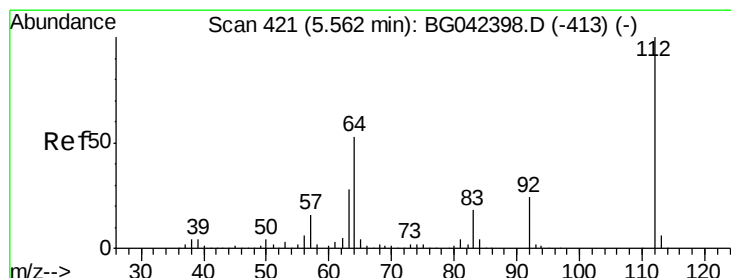
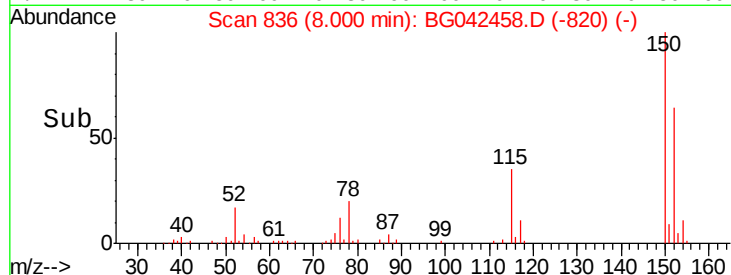
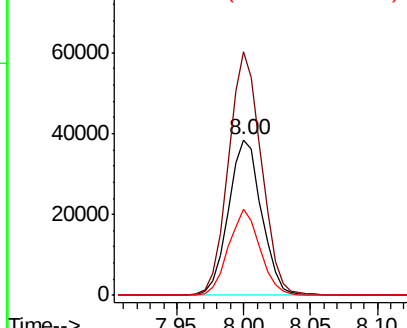


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

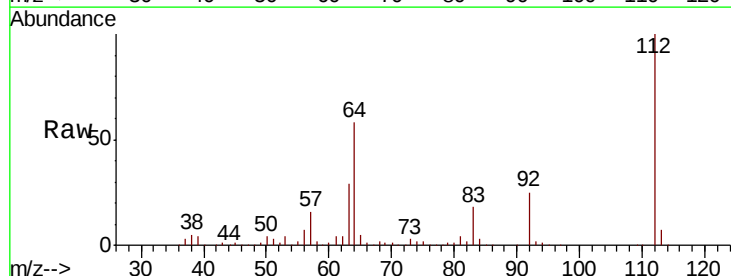
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 149.497 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042458.D
Acq: 24 Aug 2019 8:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	42.8	64.2
63	29.4	22.7	34.1

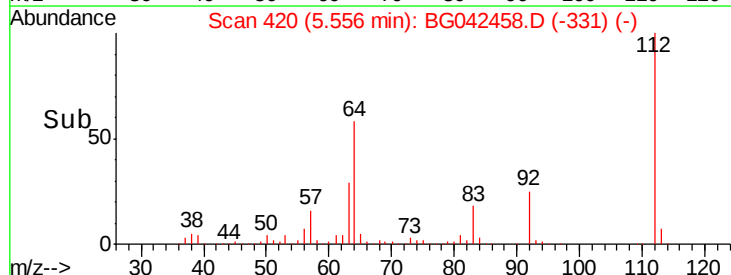
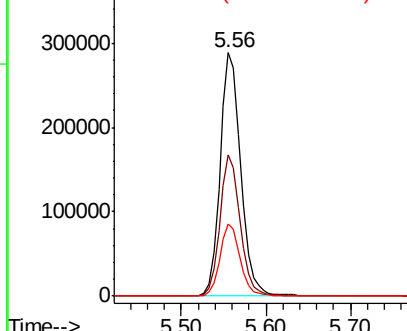


Abundance

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: 154.010 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042458.D

Acq: 24 Aug 2019 8:57

Instrument :

BNA_G

ClientSampleId :

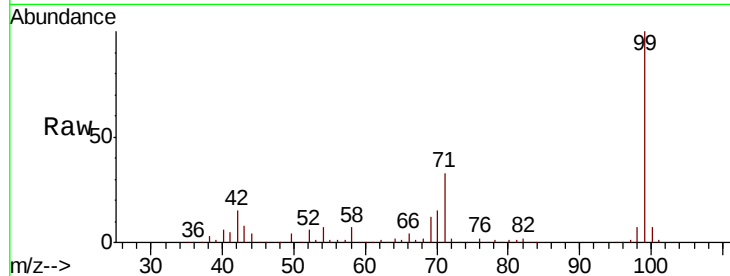
Tot Ion: 99 Resp: 681788

Ion Ratio Lower Upper

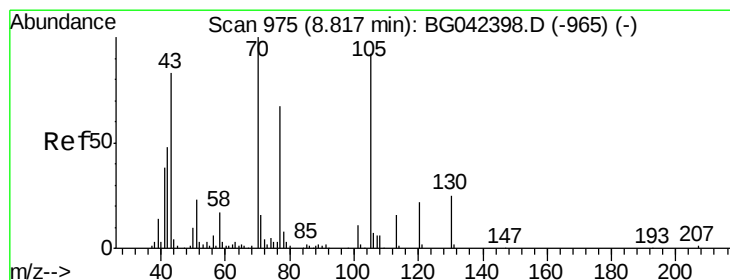
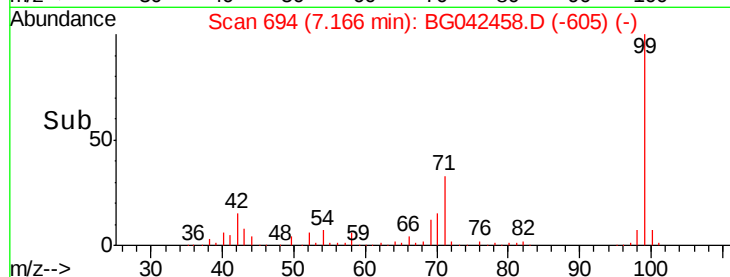
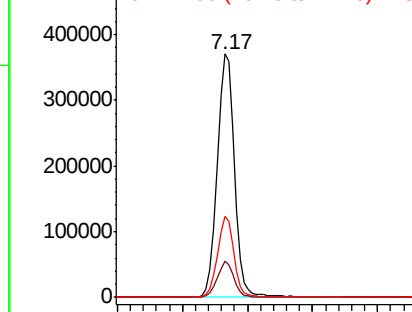
99 100

42 14.6 12.0 18.0

71 33.0 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: 17.220 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042458.D

Acq: 24 Aug 2019 8:57

Tgt Ion: 70 Resp: 49386

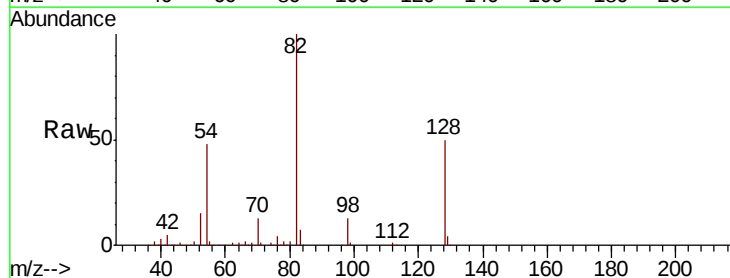
Ion Ratio Lower Upper

70 100

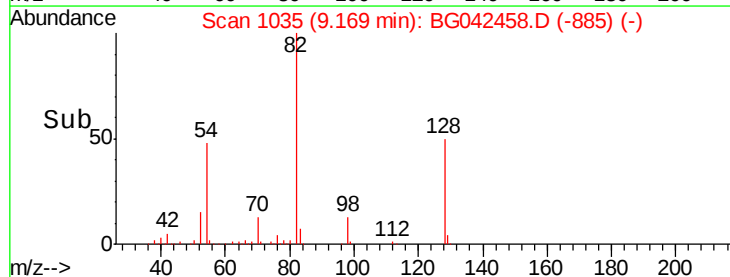
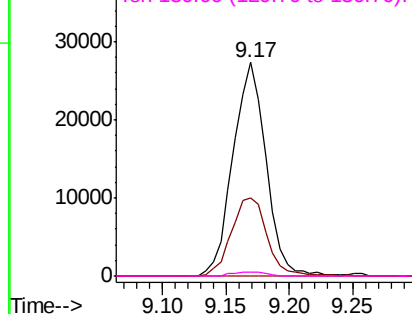
42 36.8 38.8 58.2#

101 0.0 9.0 13.6#

130 2.1 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

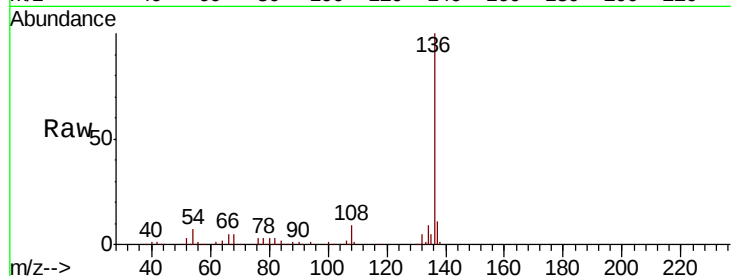




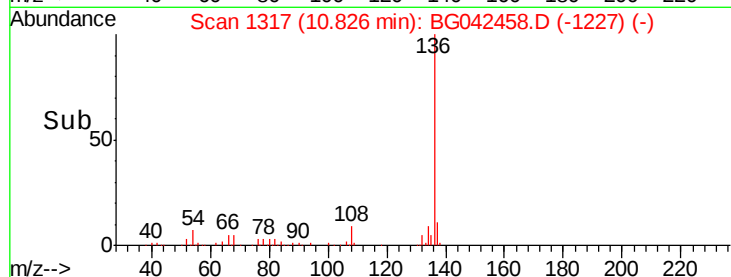
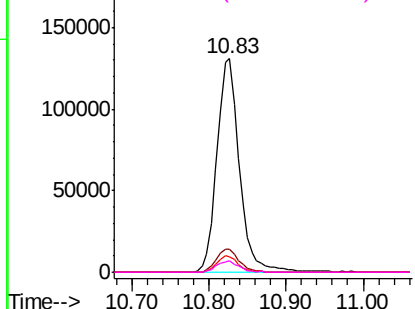
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042458.D
Acq: 24 Aug 2019 8:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	264681
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.7 13.1
54	7.1	4.9 7.3
68	5.4	3.6 5.4

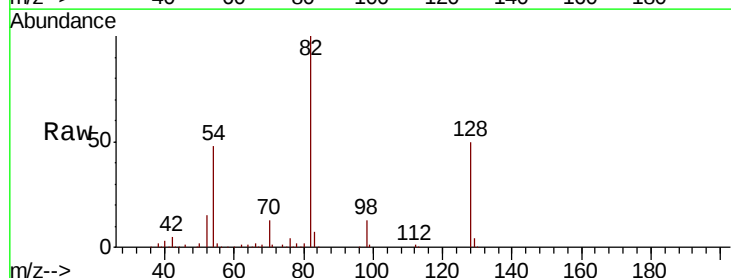


Abundance Ion 136.00 (135.70 to 136.70): E
200000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

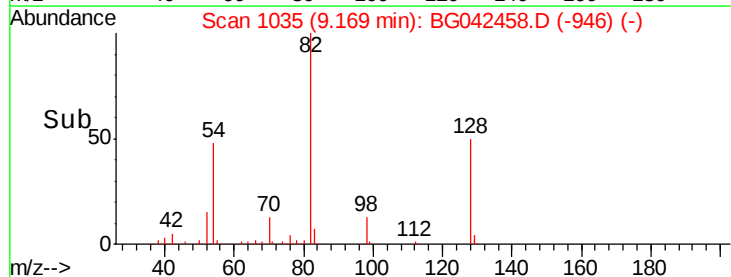
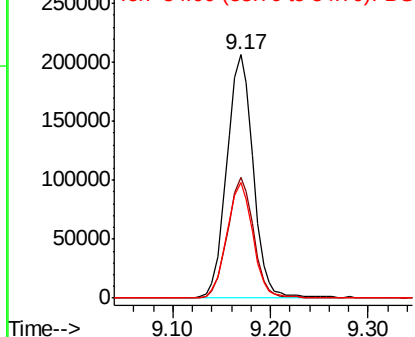


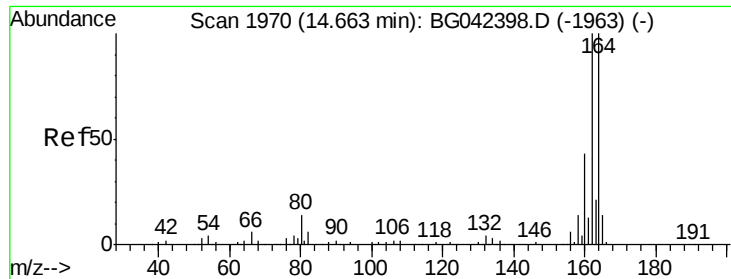
#23
Nitrobenzene-d5
Concen: 101.444 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042458.D
Acq: 24 Aug 2019 8:57

Tgt Ion: 82	Resp:	388550
Ion	Ratio	Lower Upper
82	100	
128	49.7	40.7 61.1
54	47.7	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: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042458.D

Acq: 24 Aug 2019 8:57

Instrument :

BNA_G

ClientSampleId :

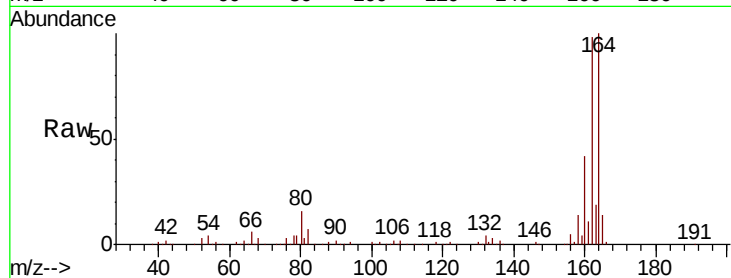
Tot Ion:164 Resp: 187571

Ion Ratio Lower Upper

164 100

162 98.1 79.9 119.9

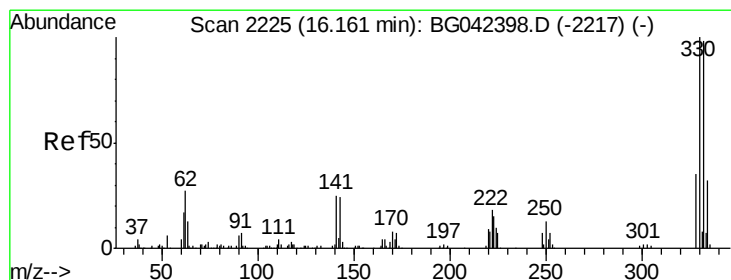
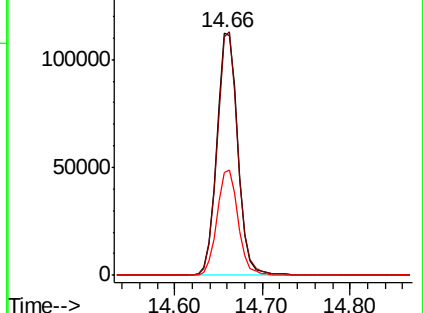
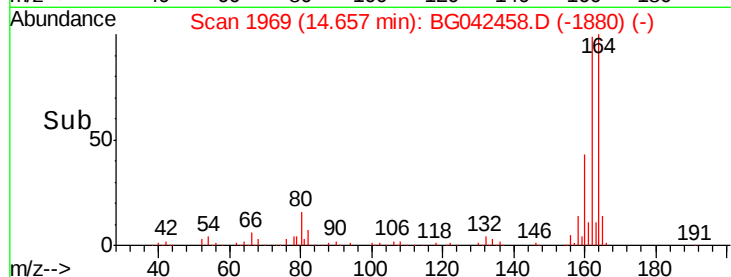
160 42.3 34.3 51.5



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: 122.486 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042458.D

Acq: 24 Aug 2019 8:57

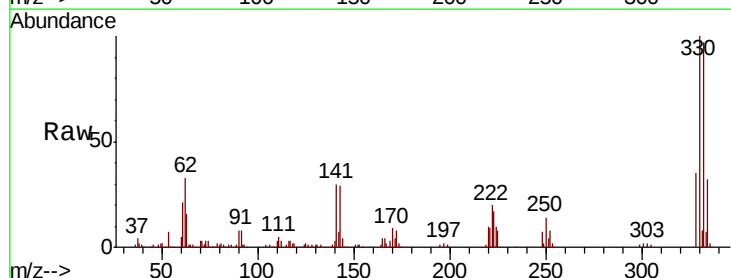
Tgt Ion:330 Resp: 326549

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

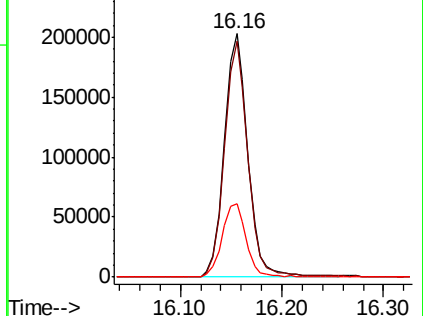
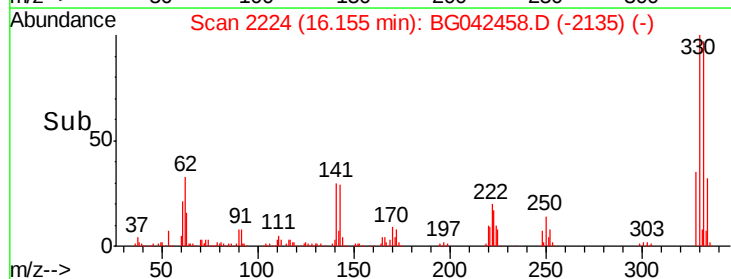
141 31.0 21.4 32.0



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

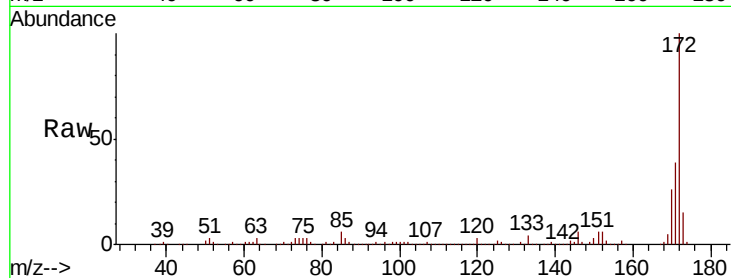




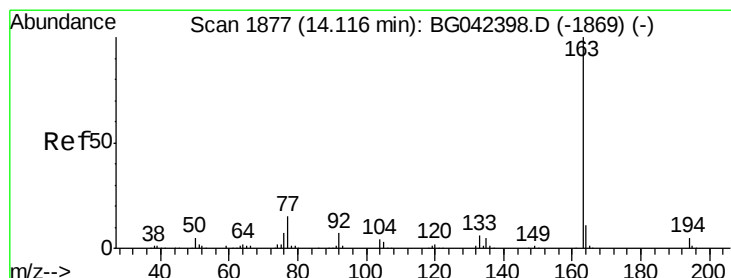
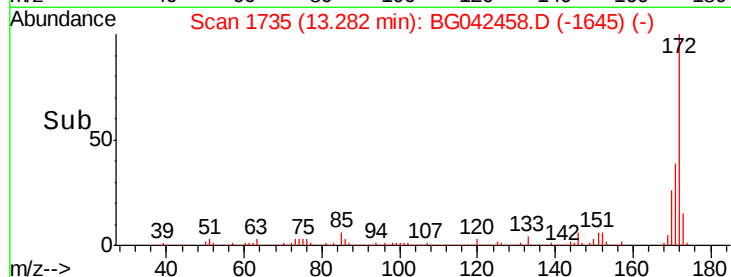
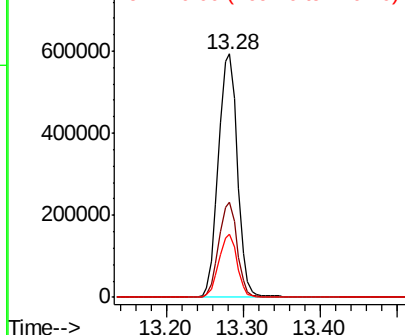
#45
2-Fluorobiphenyl
Concen: 91.794 ng
RT: 13.28 min Scan# 1735
Delta R.T. 0.00 min
Lab File: BG042458.D
Acq: 24 Aug 2019 8:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1018037
Ion Ratio Lower Upper
172 100
171 39.3 30.5 45.7
170 25.8 20.2 30.2

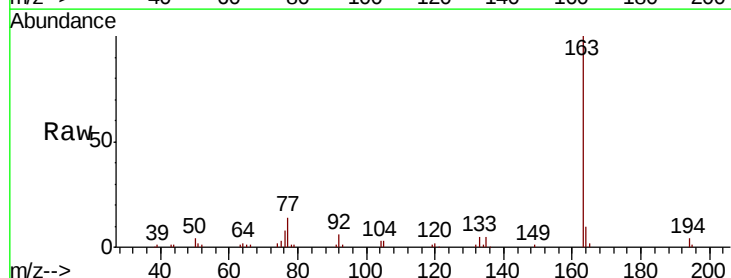


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

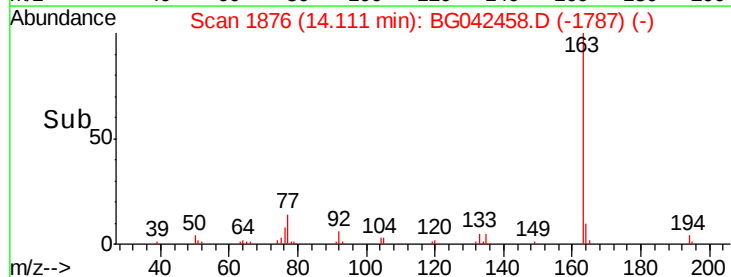
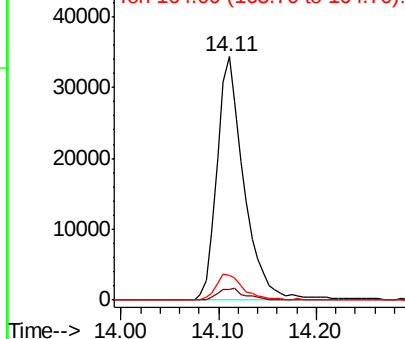


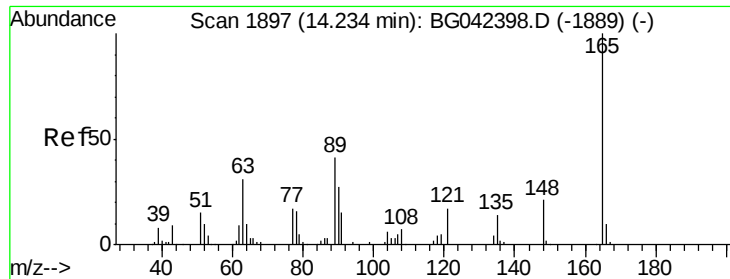
#50
Dimethylphthalate
Concen: 4.857 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042458.D
Acq: 24 Aug 2019 8:57

Tgt Ion:163 Resp: 65738
Ion Ratio Lower Upper
163 100
194 4.4 4.2 6.2
164 9.9 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

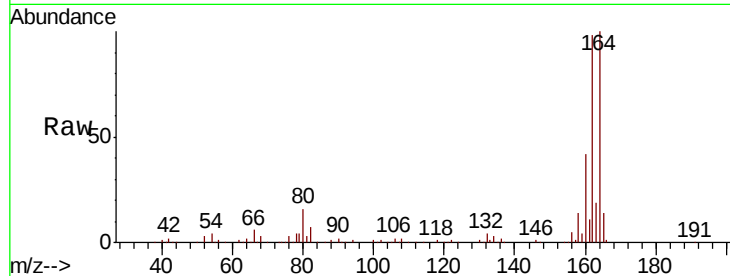




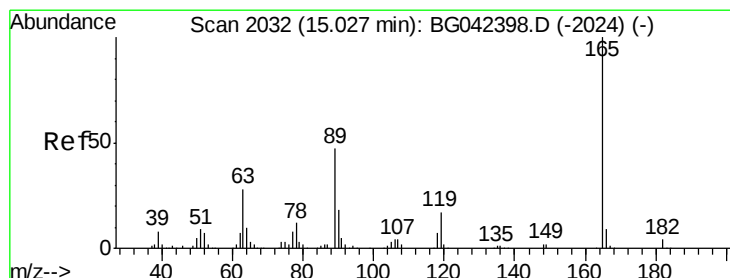
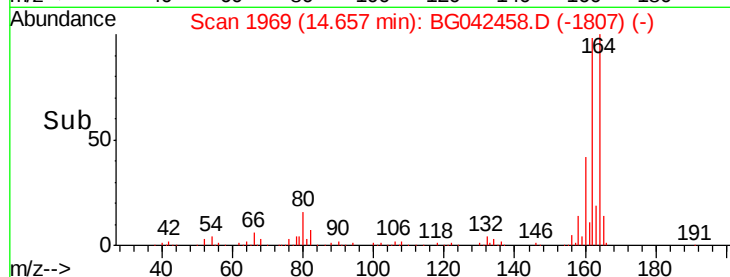
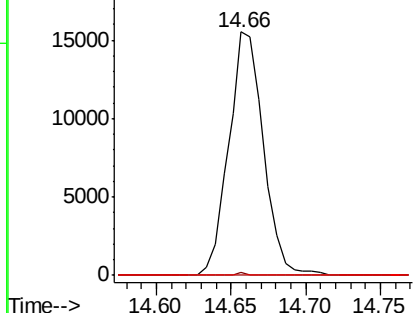
#51
 2,6-Dinitrotoluene
 Concen: 8.011 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042458.D
 Acq: 24 Aug 2019 8:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	30.6	45.8#
89	0.0	32.6	49.0#



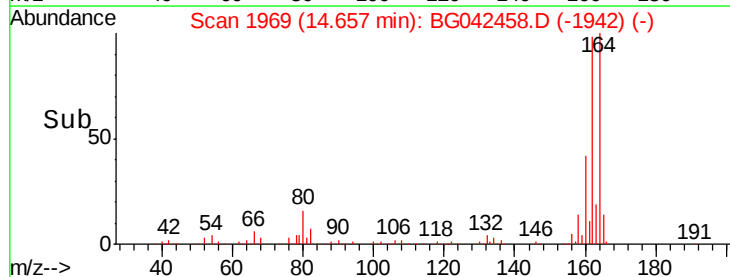
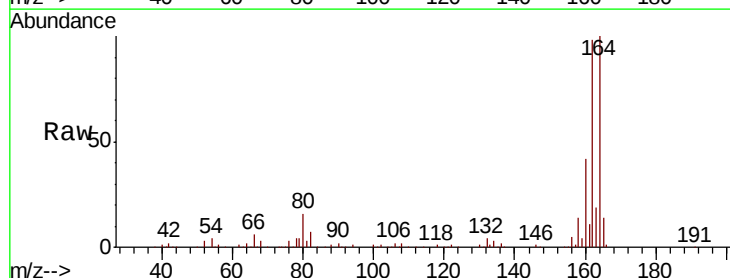
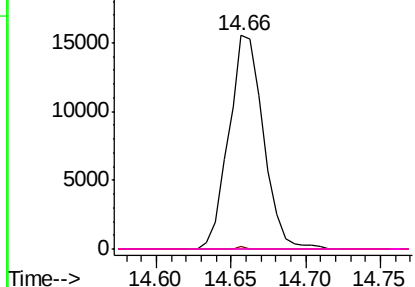
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.594 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042458.D
 Acq: 24 Aug 2019 8:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	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: BG042458.D

Acq: 24 Aug 2019 8:57

Instrument :

BNA_G

ClientSampleId :

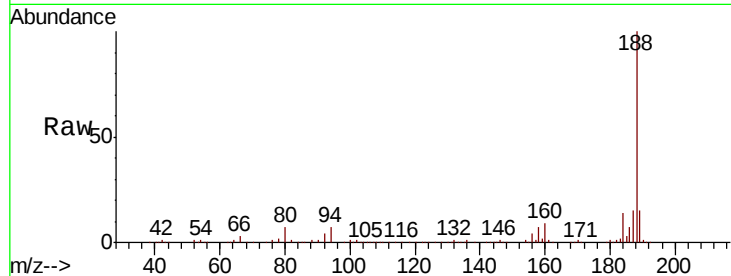
Tot Ion:188 Resp: 399296

Ion Ratio Lower Upper

188 100

94 6.9 4.5 6.7#

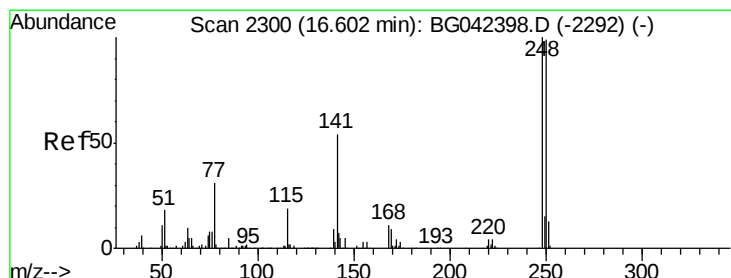
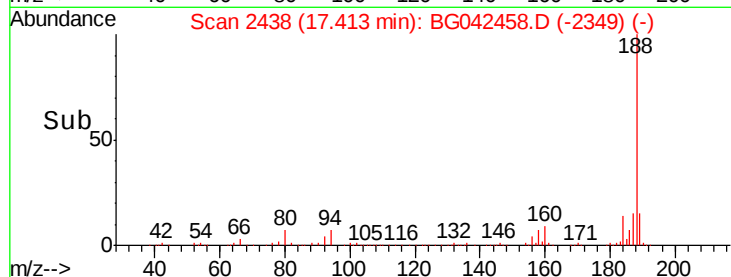
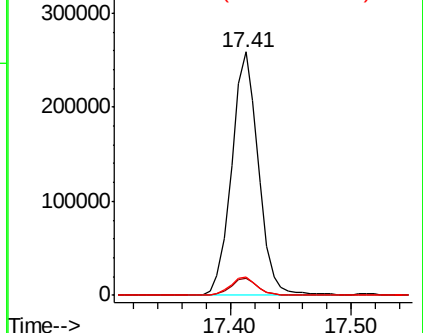
80 7.5 4.9 7.3#



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: 4.579 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042458.D

Acq: 24 Aug 2019 8:57

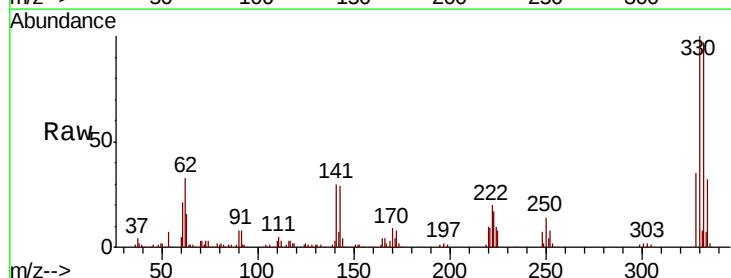
Tgt Ion:248 Resp: 23191

Ion Ratio Lower Upper

248 100

250 200.9 78.9 118.3#

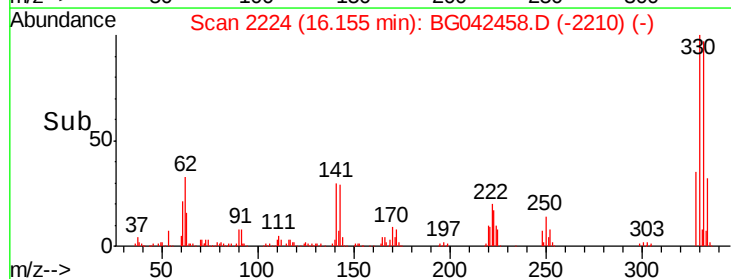
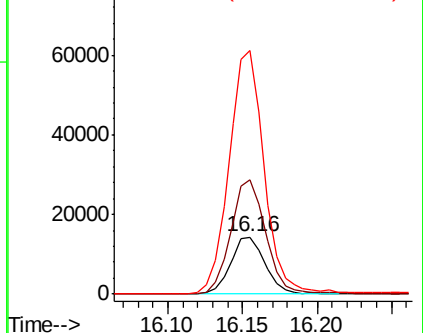
141 425.9 43.3 64.9#

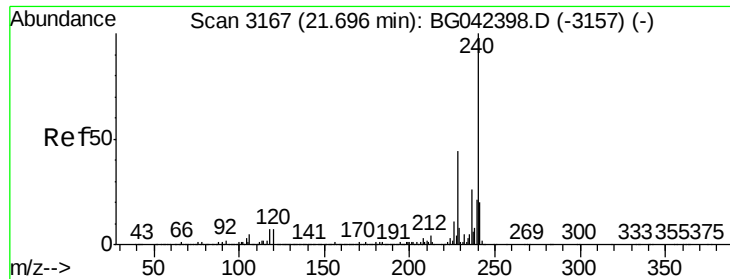


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

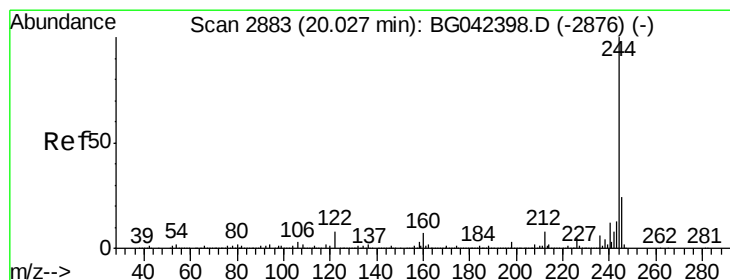
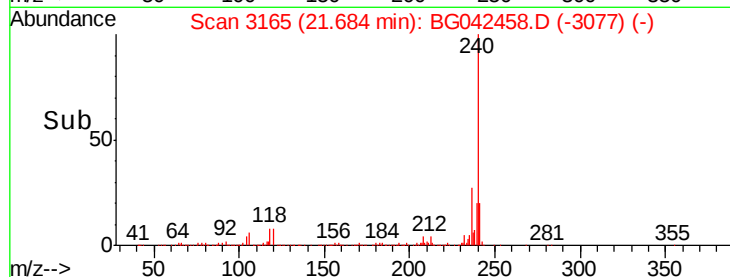
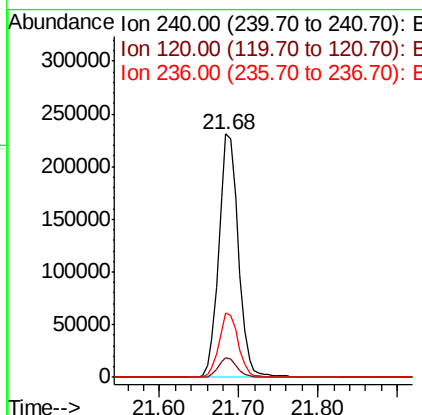
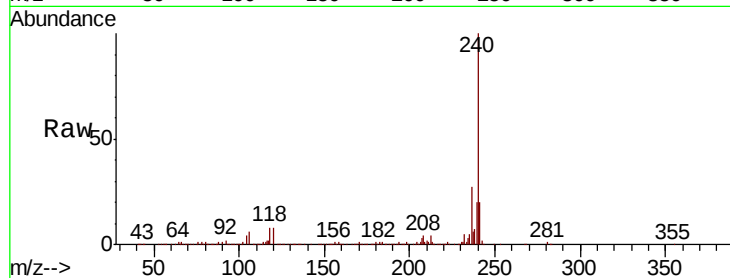




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042458.D
Acq: 24 Aug 2019 8:57

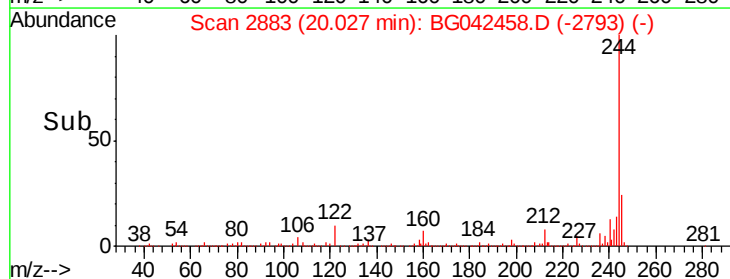
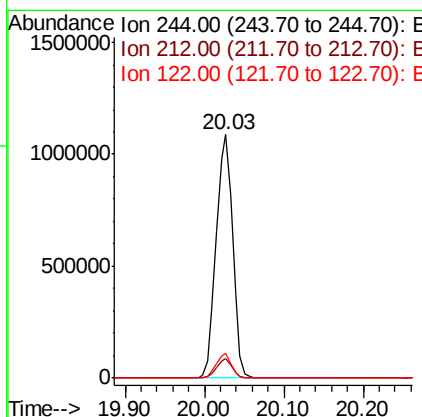
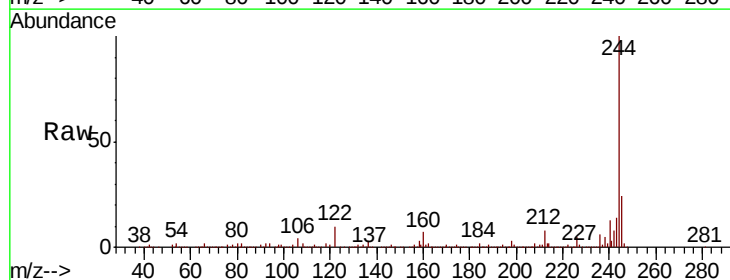
Instrument :
BNA_G
ClientSampleId :

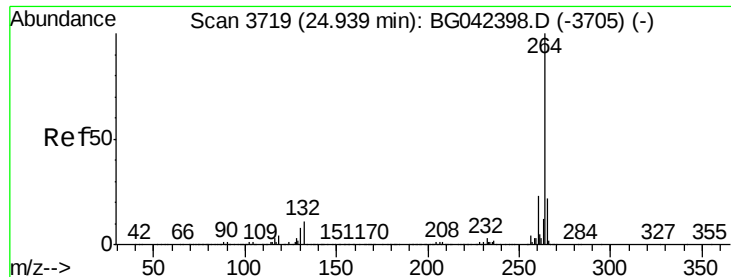
Tot Ion:240 Resp: 393862
Ion Ratio Lower Upper
240 100
120 8.0 5.7 8.5
236 26.5 21.0 31.4



#79
Terphenyl-d14
Concen: 86.404 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BG042458.D
Acq: 24 Aug 2019 8:57

Tgt Ion:244 Resp: 1574124
Ion Ratio Lower Upper
244 100
212 8.2 6.0 9.0
122 9.9 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: BG042458.D
 Acq: 24 Aug 2019 8:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	22.6	17.6	26.4

