

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042679.D
 Acq On : 2 Sep 2019 2:20
 Operator : HP/JU
 Sample : K4568-18RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 07:31:19 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

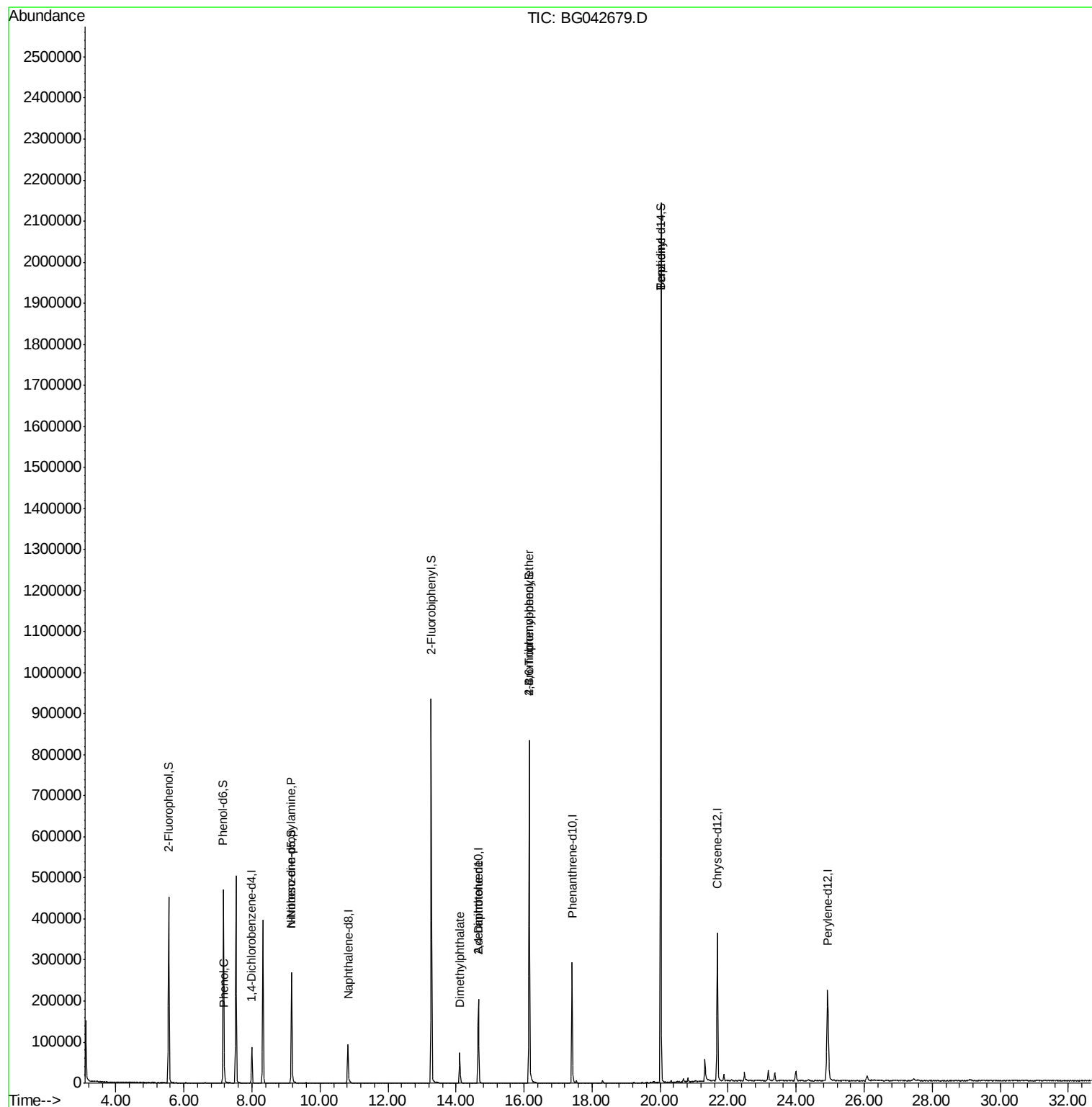
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	30059	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	113812	20.00	ng	-0.01
39) Acenaphthene-d10	14.65	164	89728	20.00	ng	-0.01
64) Phenanthrene-d10	17.41	188	223290	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	251057	20.00	ng	-0.02
87) Perylene-d12	24.92	264	292122	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	227582	153.34	ng	-0.01
7) Phenol-d6	7.16	99	302449	150.86	ng	-0.01
23) Nitrobenzene-d5	9.16	82	176005	106.87	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	225446	176.77	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	600150	113.12	ng	0.00
79) Terphenyl-d14	20.02	244	1213289	104.48	ng	0.00
Target Compounds						
10) Phenol	7.19	94	7081	3.474	ng	81
19) n-Nitroso-di-n-propylamine	9.16	70	23396	18.013	ng	# 72
50) Dimethylphthalate	14.11	163	79014	12.204	ng	100
57) 2,4-Dinitrotoluene	14.65	165	11412	5.311	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	15229	5.377	ng	# 1
77) Benzidine	20.02	184	15447	2.146	ng	# 93

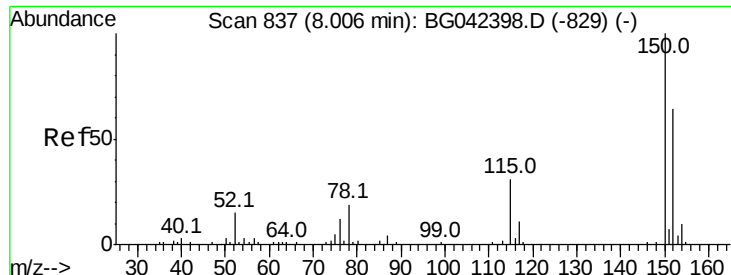
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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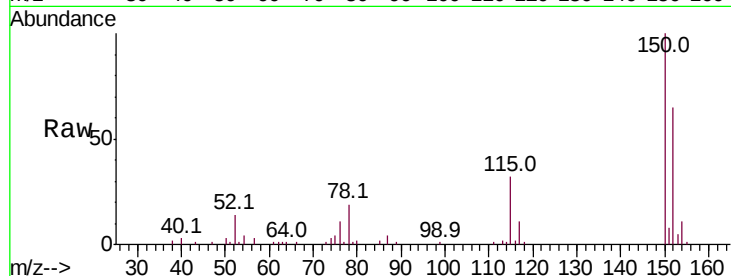


#1

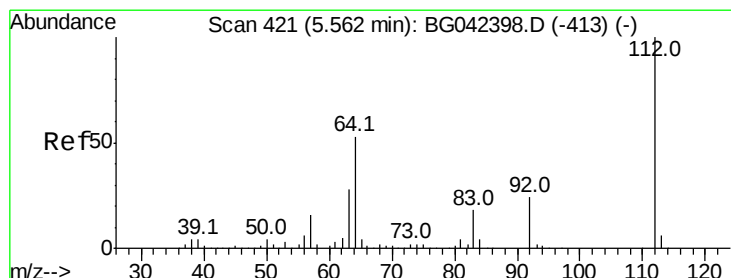
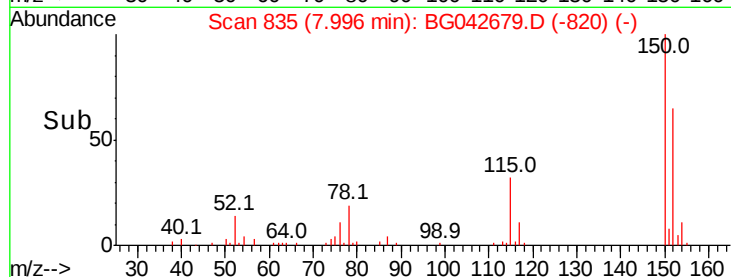
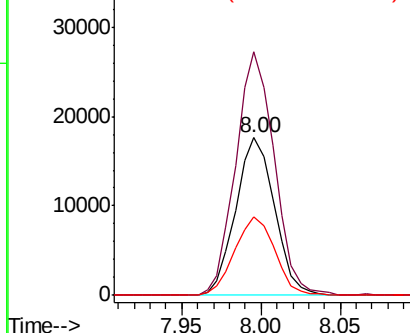
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BG042679.D
 Acq: 2 Sep 2019 2:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 30059
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.4 188.0
 115 49.5 38.5 57.7



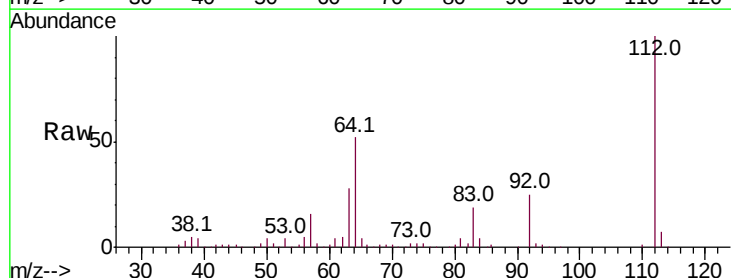
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



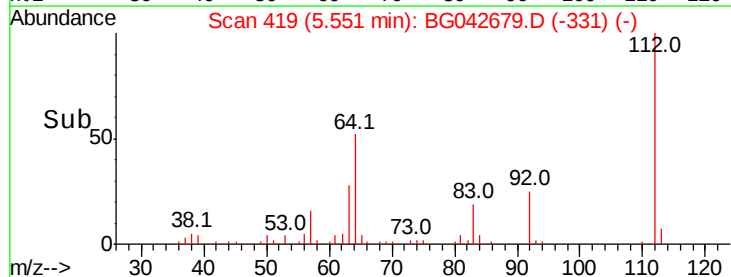
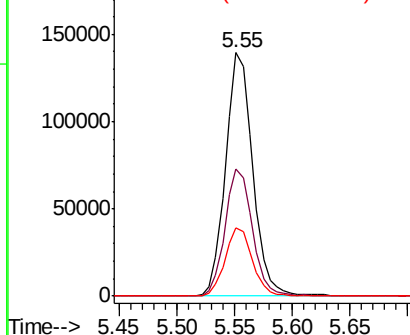
#5

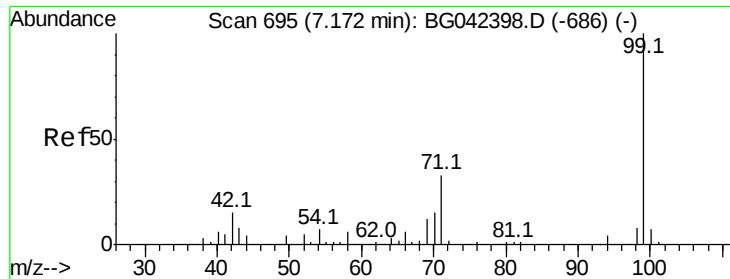
2-Fluorophenol
 Concen: 153.338 ng
 RT: 5.55 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: BG042679.D
 Acq: 2 Sep 2019 2:20

Tgt Ion:112 Resp: 227582
 Ion Ratio Lower Upper
 112 100
 64 52.3 42.8 64.2
 63 28.0 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: 150.863 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042679.D

Acq: 2 Sep 2019 2:20

Instrument :

BNA_G

ClientSampled :

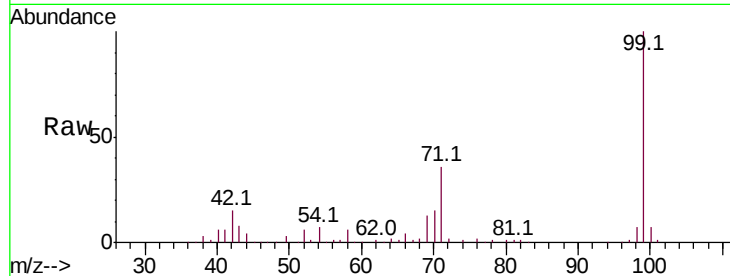
Tot Ion: 99 Resp: 302449

Ion Ratio Lower Upper

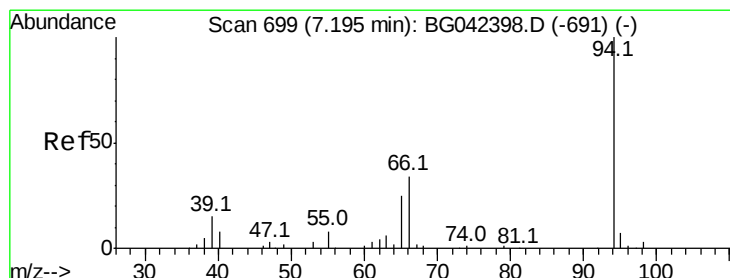
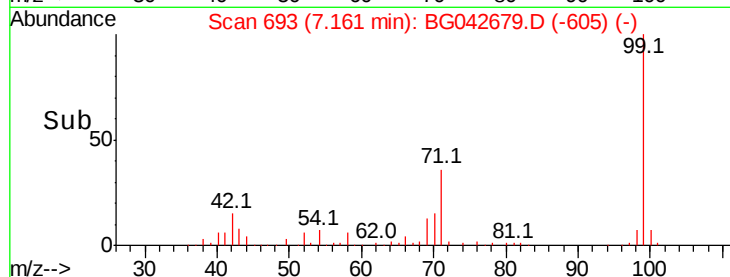
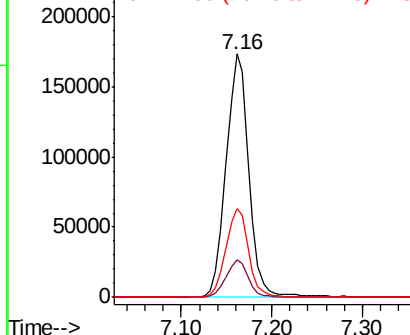
99 100

42 15.4 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



#10

Phenol

Concen: 3.474 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG042679.D

Acq: 2 Sep 2019 2:20

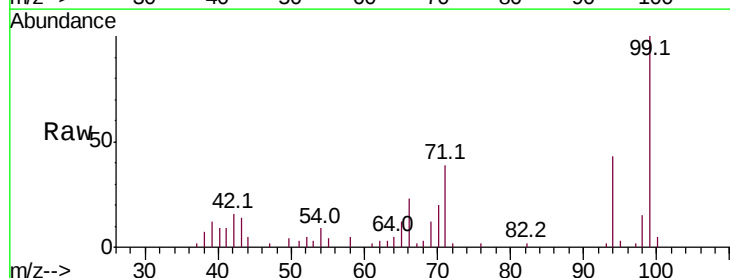
Tgt Ion: 94 Resp: 7081

Ion Ratio Lower Upper

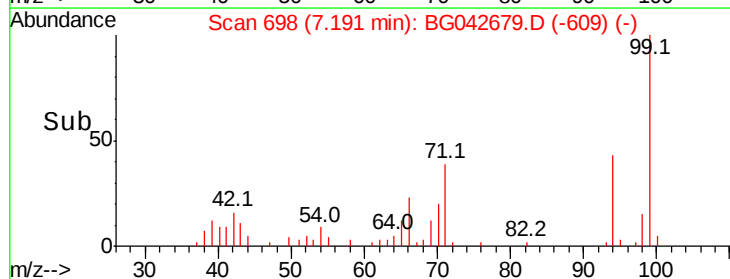
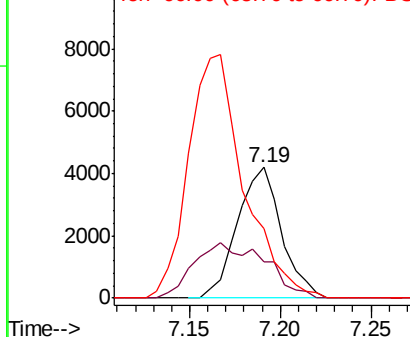
94 100

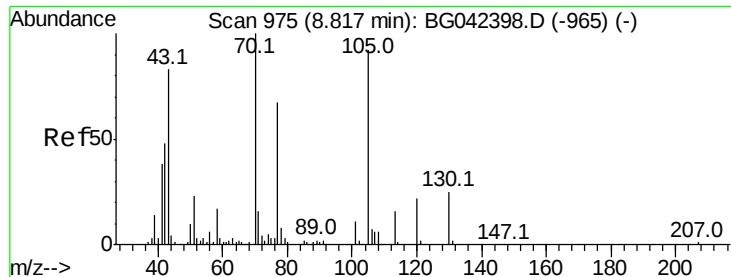
65 28.1 5.6 45.6

66 53.3 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

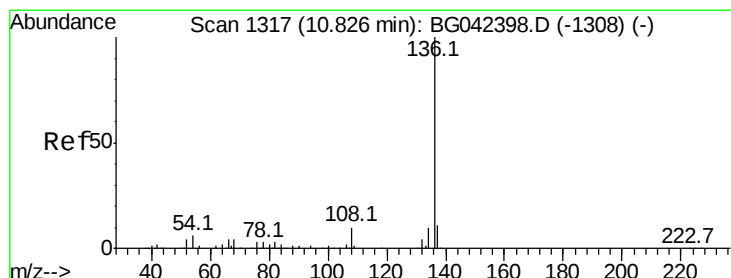
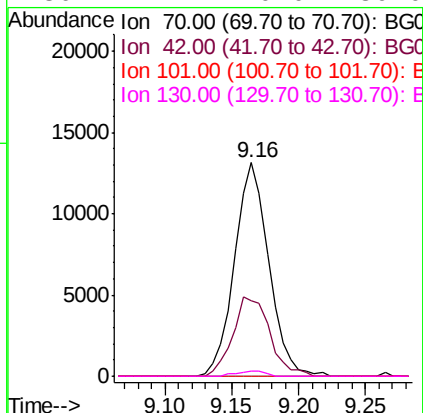
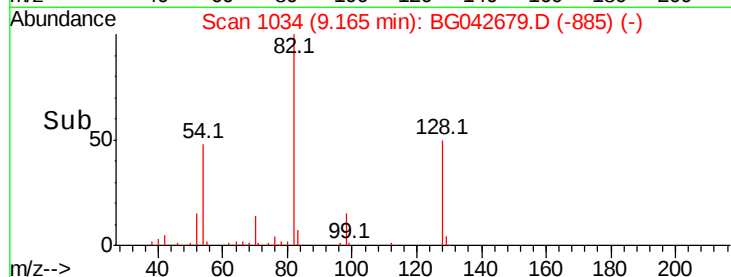
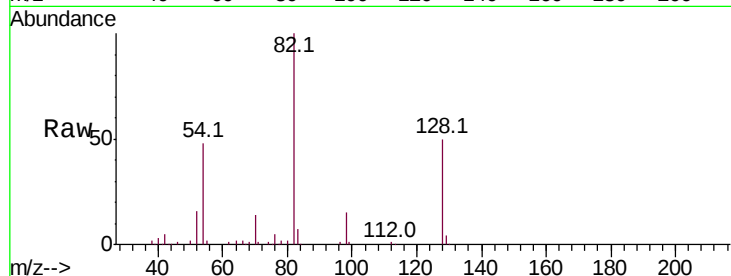




#19
n-Nitroso-di-n-propylamine
Concen: 18.013 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042679.D
Acq: 2 Sep 2019 2:20

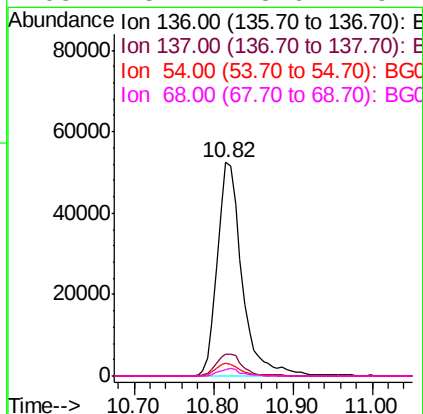
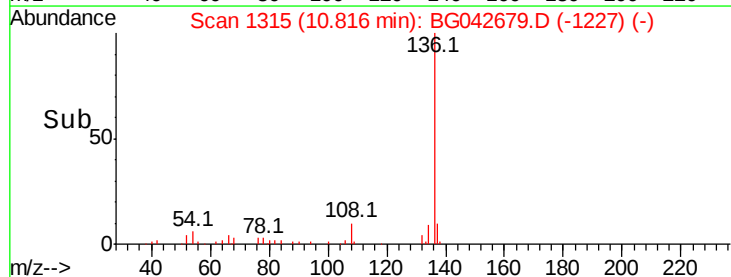
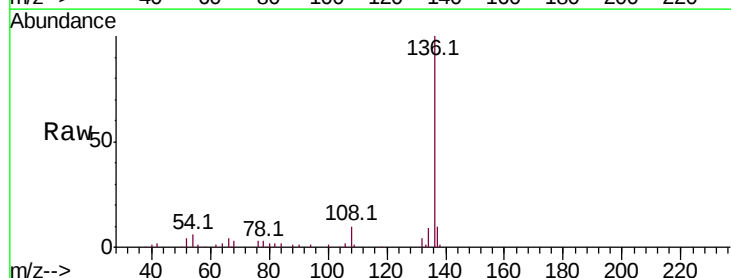
Instrument :
BNA_G
ClientSampleId :

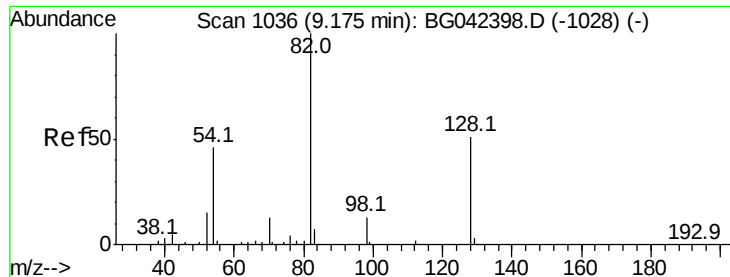
Tot Ion: 70 Resp: 23396
Ion Ratio Lower Upper
70 100
42 35.7 38.8 58.2#
101 0.0 9.0 13.6#
130 2.2 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042679.D
Acq: 2 Sep 2019 2:20

Tgt Ion:136 Resp: 113812
Ion Ratio Lower Upper
136 100
137 10.1 8.7 13.1
54 5.8 4.9 7.3
68 3.2 3.6 5.4#

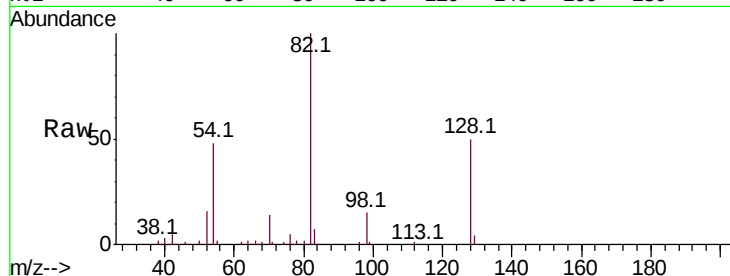




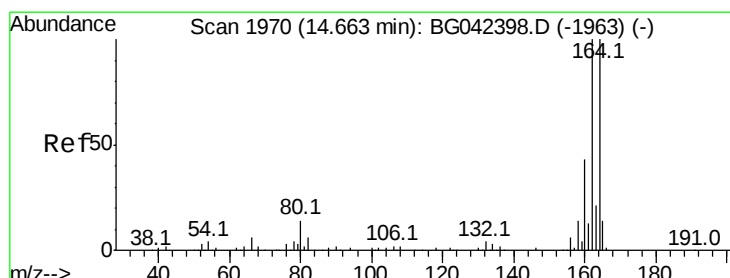
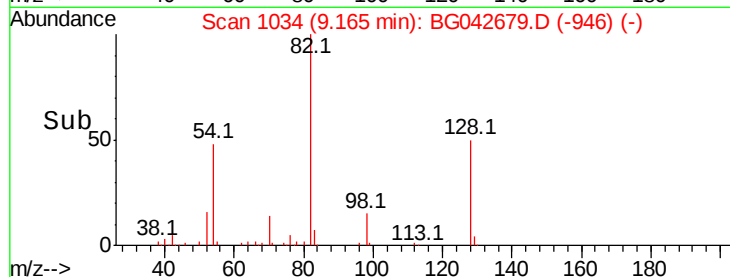
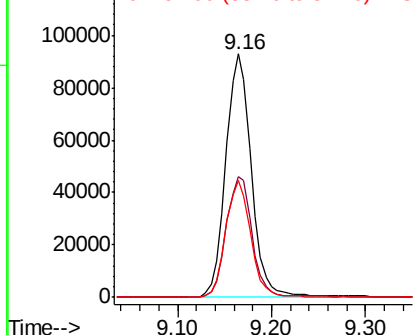
#23
Nitrobenzene-d5
Concen: 106.866 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042679.D
Acq: 2 Sep 2019 2:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	176005
Ion Ratio	Lower	Upper	
82	100		
128	49.8	40.7	61.1
54	48.1	36.3	54.5

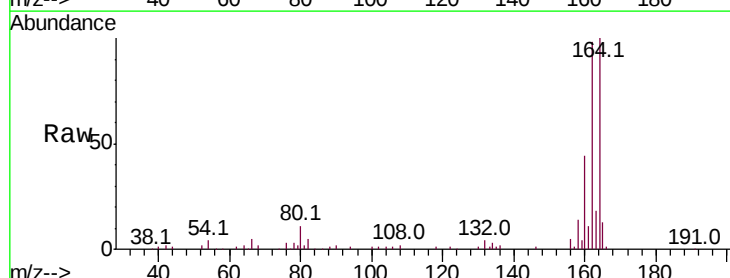


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

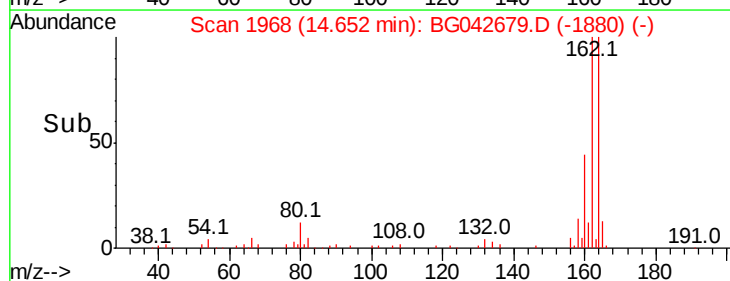
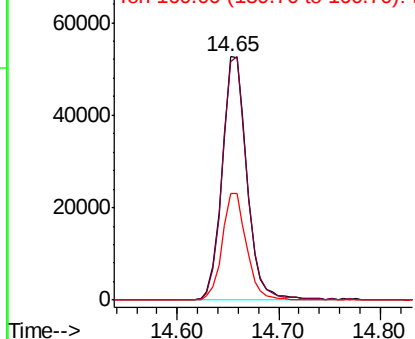


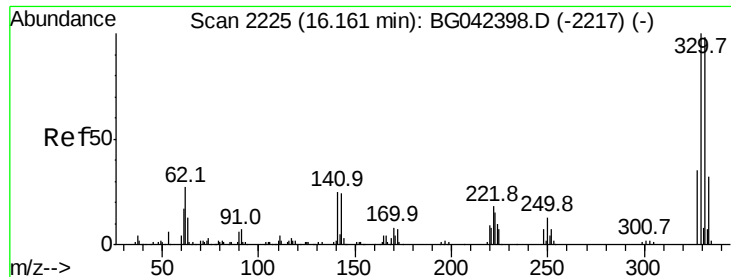
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG042679.D
Acq: 2 Sep 2019 2:20

Tgt Ion	164	Resp	89728
Ion Ratio	Lower	Upper	
164	100		
162	97.9	79.9	119.9
160	43.6	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

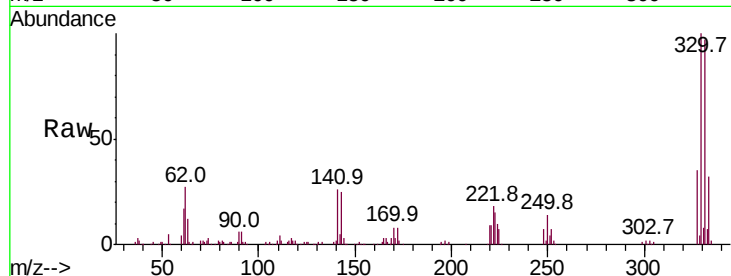




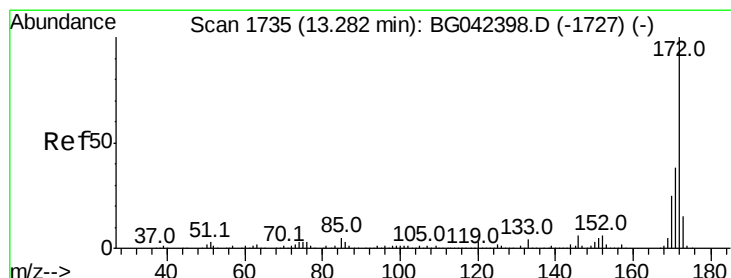
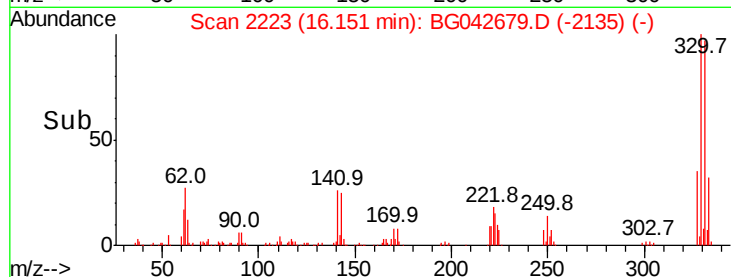
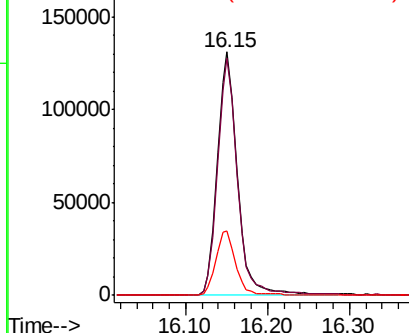
#42
 2,4,6-Tribromophenol
 Concen: 176.774 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042679.D
 Acq: 2 Sep 2019 2:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	26.6	21.4	32.0

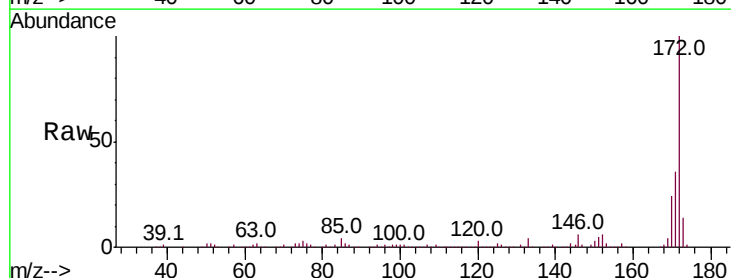


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

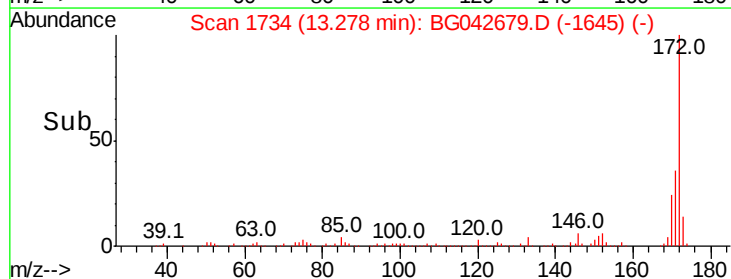
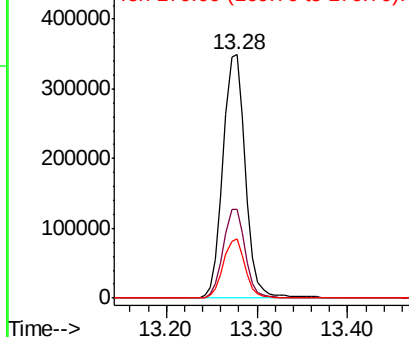


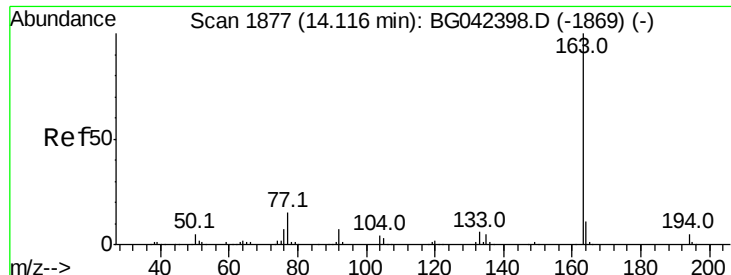
#45
 2-Fluorobiphenyl
 Concen: 113.122 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042679.D
 Acq: 2 Sep 2019 2:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.5	45.7
170	24.2	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: 12.204 ng

RT: 14.11 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042679.D

Acq: 2 Sep 2019 2:20

Instrument :

BNA_G

ClientSampled :

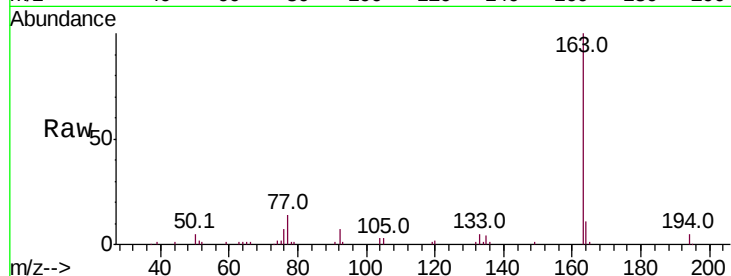
Tot Ion:163 Resp: 79014

Ion Ratio Lower Upper

163 100

194 5.2 4.2 6.2

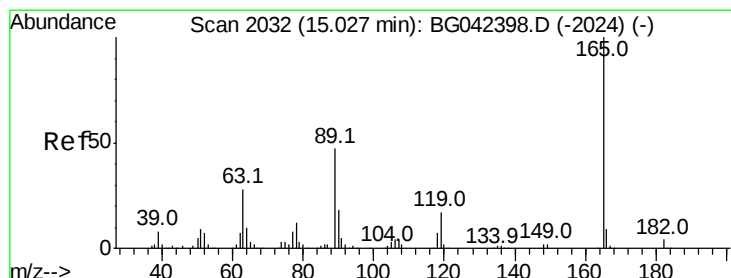
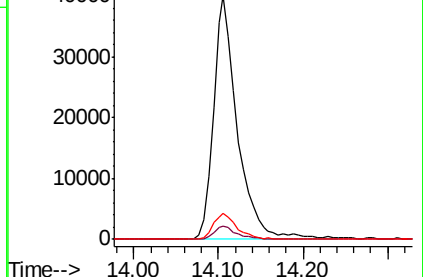
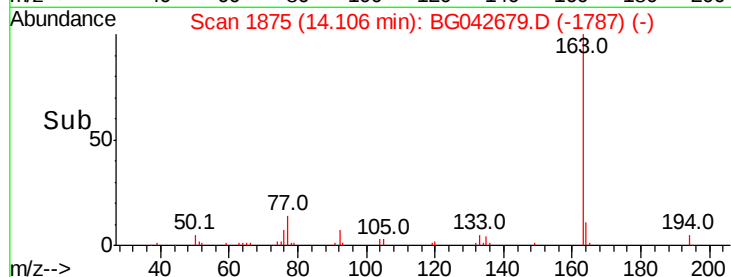
164 10.8 8.8 13.2



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



#57

2,4-Dinitrotoluene

Concen: 5.311 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.37 min

Lab File: BG042679.D

Acq: 2 Sep 2019 2:20

Tgt Ion:165 Resp: 11412

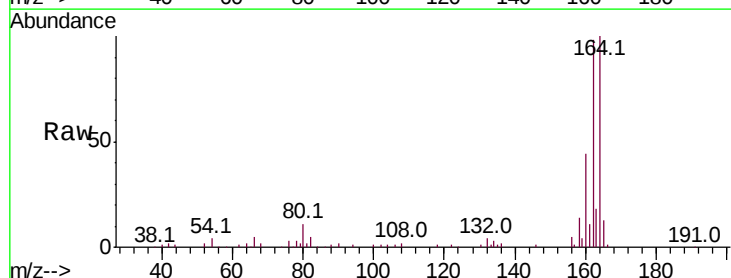
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

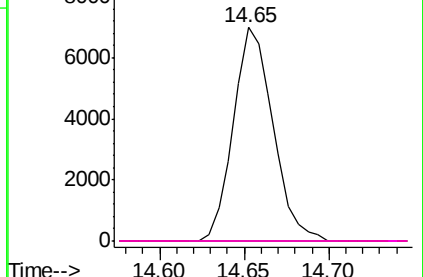
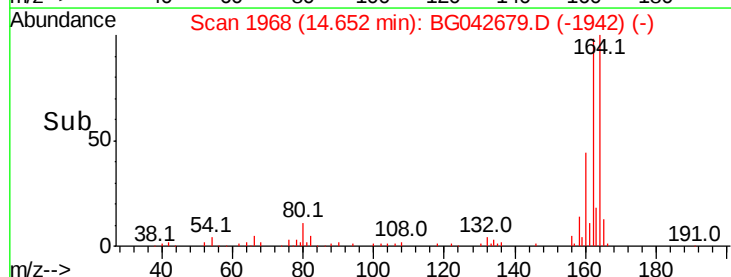


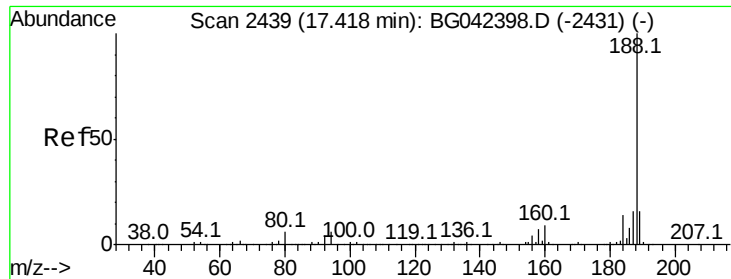
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042679.D

Acq: 2 Sep 2019 2:20

Instrument :

BNA_G

ClientSampleId :

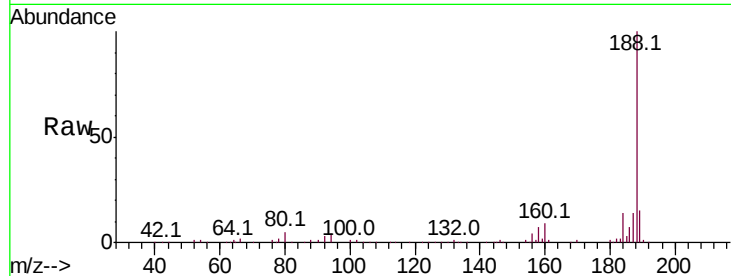
Tot Ion:188 Resp: 223290

Ion Ratio Lower Upper

188 100

94 4.5 4.5 6.7#

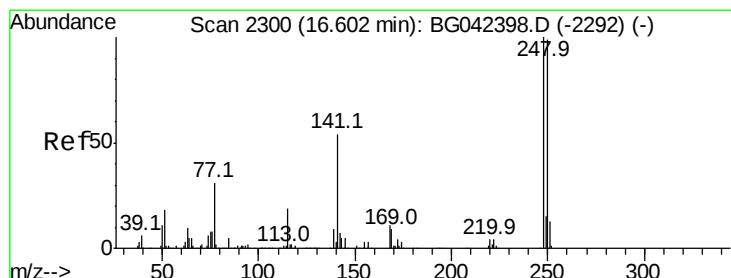
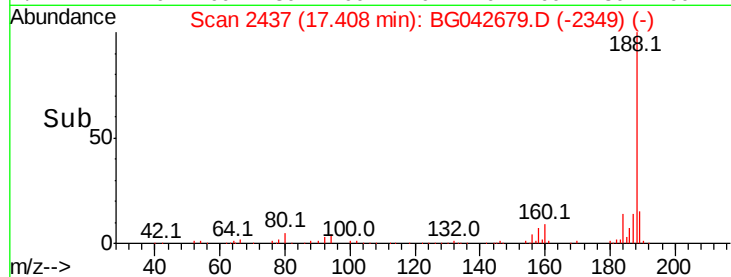
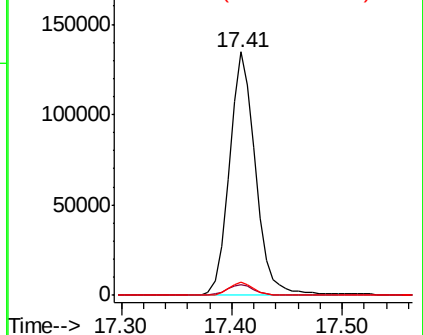
80 5.2 4.9 7.3



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: 5.377 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042679.D

Acq: 2 Sep 2019 2:20

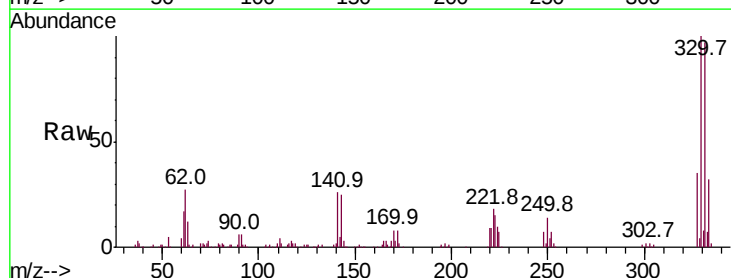
Tgt Ion:248 Resp: 15229

Ion Ratio Lower Upper

248 100

250 205.6 78.9 118.3#

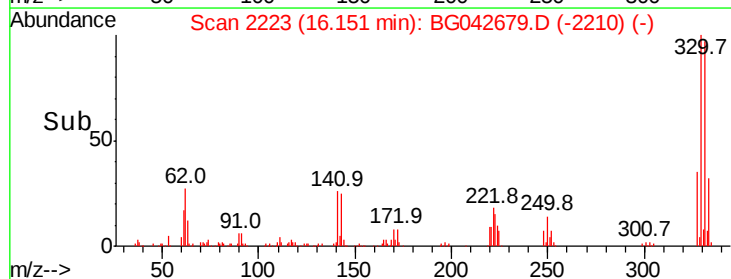
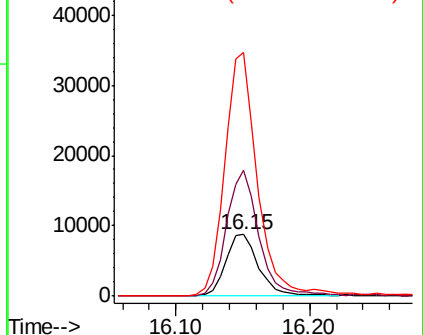
141 397.0 43.3 64.9#

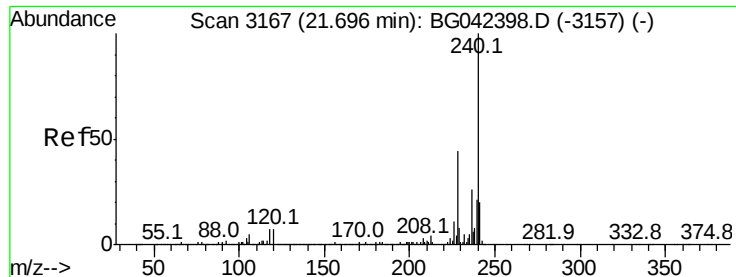


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

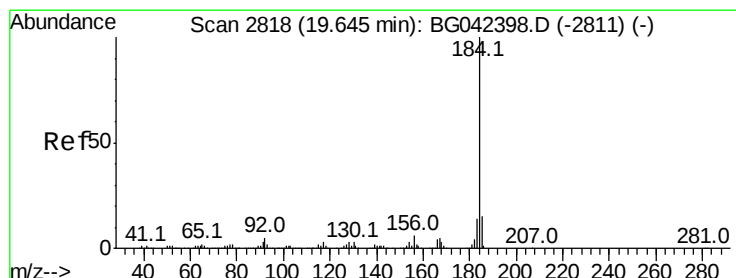
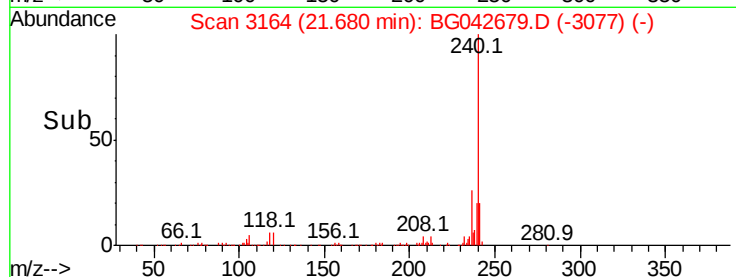
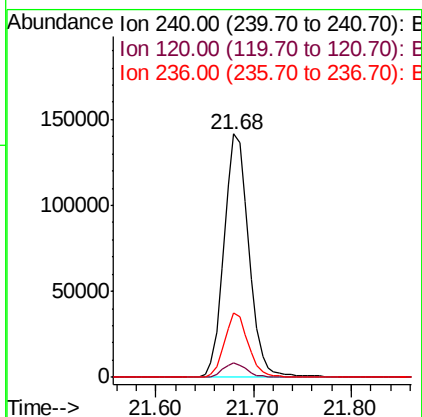
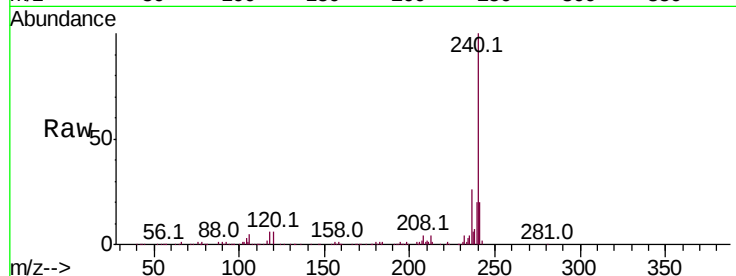




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.02 min
 Lab File: BG042679.D
 Acq: 2 Sep 2019 2:20

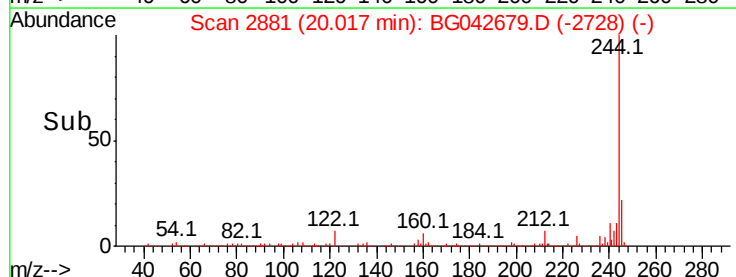
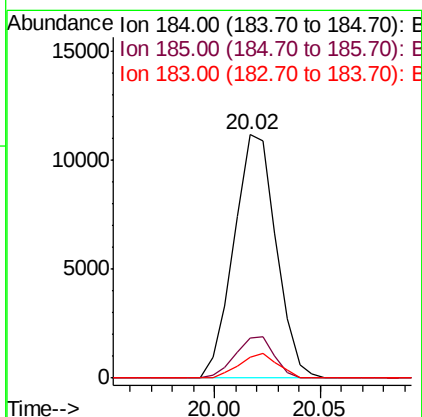
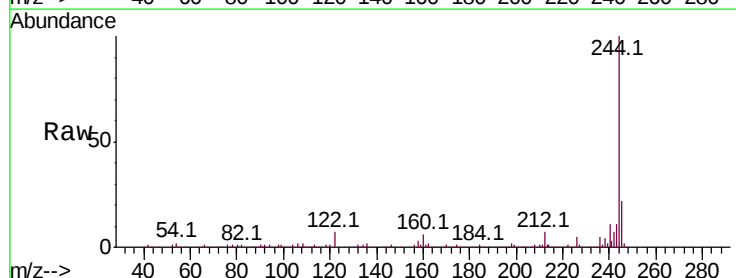
Instrument :
 BNA_G
 ClientSampleId :

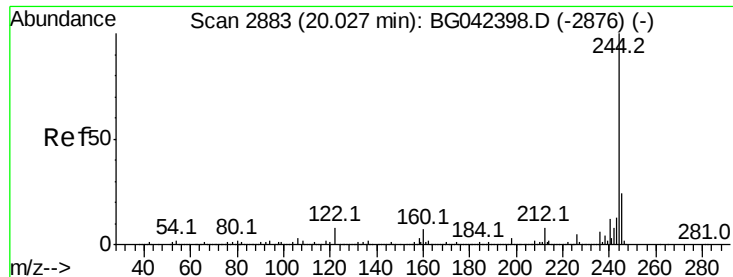
Tot Ion:240 Resp: 251057
 Ion Ratio Lower Upper
 240 100
 120 5.8 5.7 8.5
 236 26.2 21.0 31.4



#77
 Benzidine
 Concen: 2.146 ng
 RT: 20.02 min Scan# 2881
 Delta R.T. 0.37 min
 Lab File: BG042679.D
 Acq: 2 Sep 2019 2:20

Tgt Ion:184 Resp: 15447
 Ion Ratio Lower Upper
 184 100
 185 16.4 12.2 18.4
 183 8.4 10.8 16.2#





#79

Terphenyl-d14

Concen: 104.480 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042679.D

Acq: 2 Sep 2019 2:20

Instrument :

BNA_G

ClientSampled :

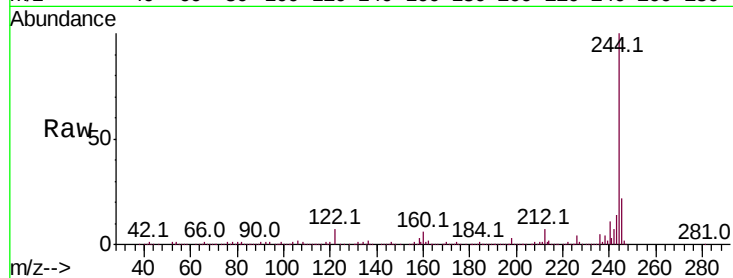
Tot Ion:244 Resp: 1213289

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

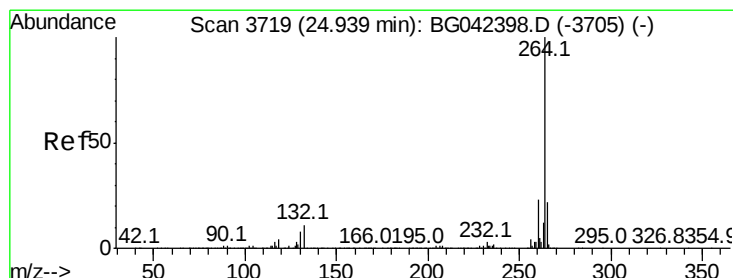
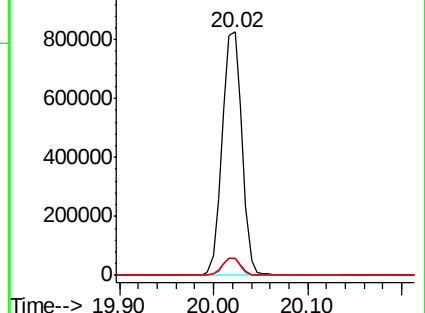
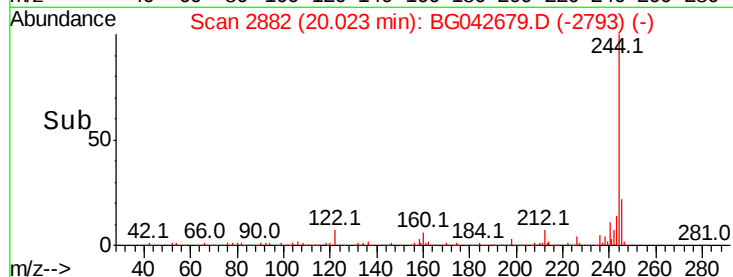
122 6.8 6.7 10.1



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: BG042679.D

Acq: 2 Sep 2019 2:20

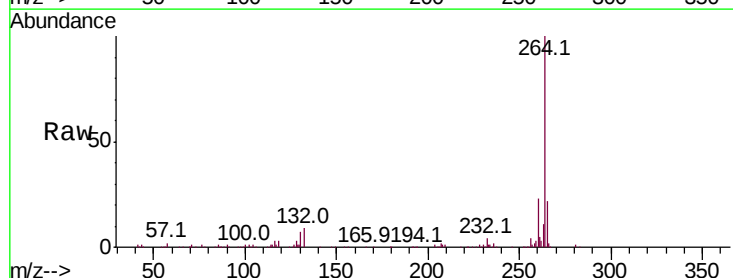
Tgt Ion:264 Resp: 292122

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 22.0 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

