

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042647.D
 Acq On : 1 Sep 2019 00:51
 Operator : HP/JU
 Sample : K4546-32
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 02:29:42 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

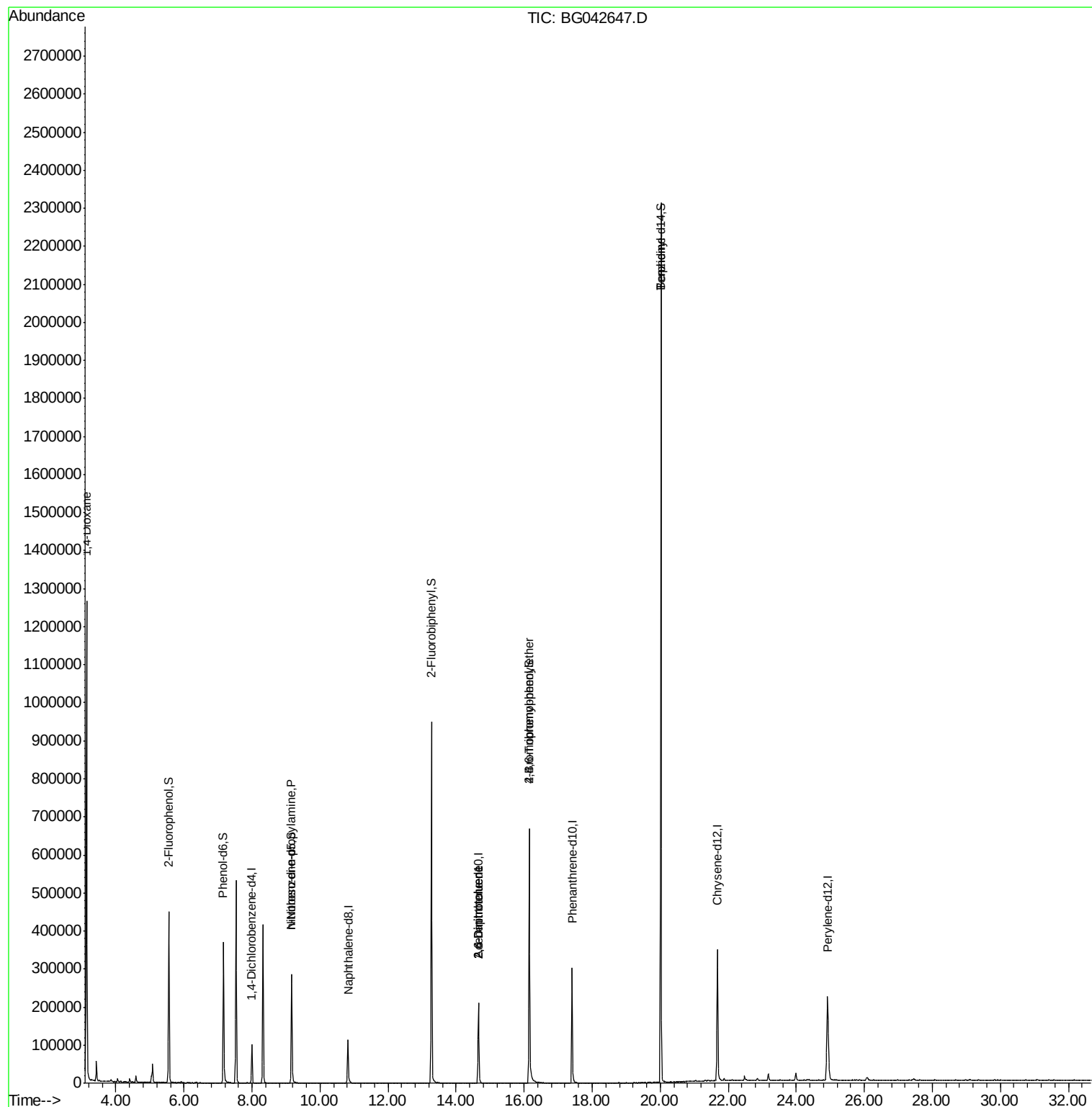
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	34151	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	128961	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	98371	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	232238	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	259473	20.00	ng	-0.01
87) Perylene-d12	24.92	264	297488	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	218465	129.56	ng	0.00
7) Phenol-d6	7.16	99	253105	111.12	ng	-0.01
23) Nitrobenzene-d5	9.16	82	186084	99.71	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	193348	138.29	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	595765	102.43	ng	0.00
79) Terphenyl-d14	20.02	244	1241303	103.42	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	13223	18.791	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	24661	16.712	ng	# 77
51) 2,6-Dinitrotoluene	14.66	165	12469	7.579	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12469	5.293	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13535	4.595	ng	# 1
77) Benzidine	20.02	184	15800	2.124	ng	# 95

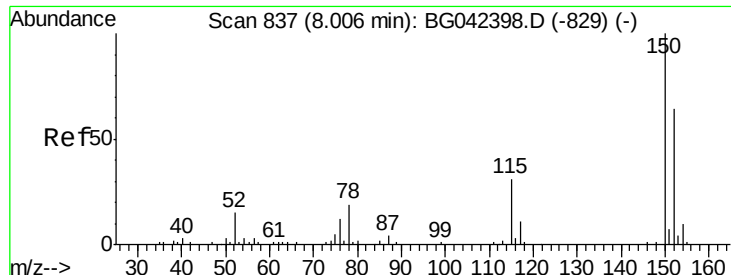
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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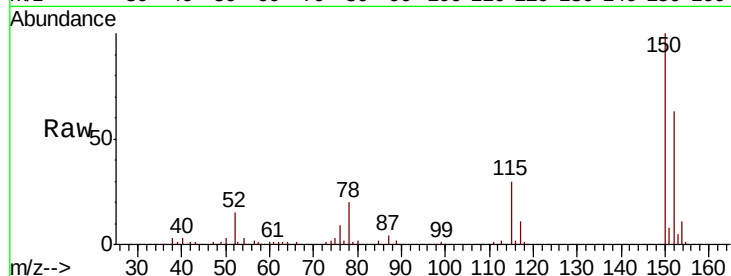


#1

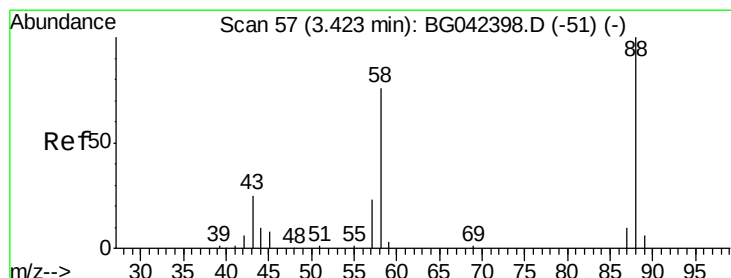
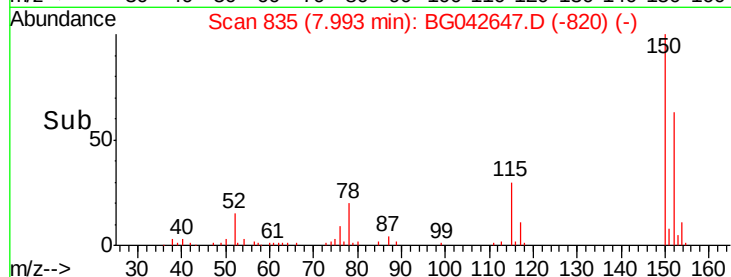
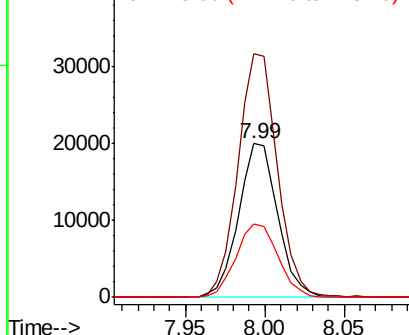
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042647.D
Acq: 1 Sep 2019 00:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34151
Ion Ratio Lower Upper
152 100
150 158.7 125.4 188.0
115 47.9 38.5 57.7



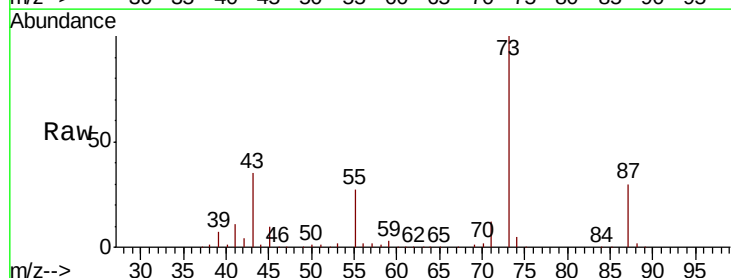
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



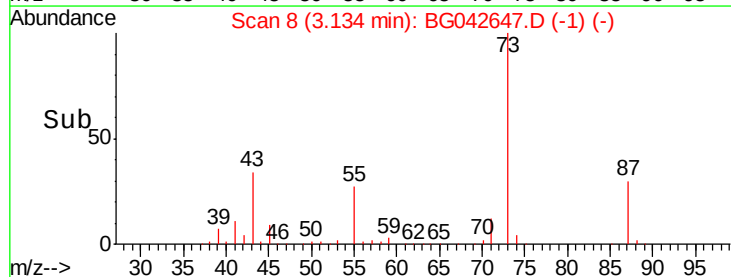
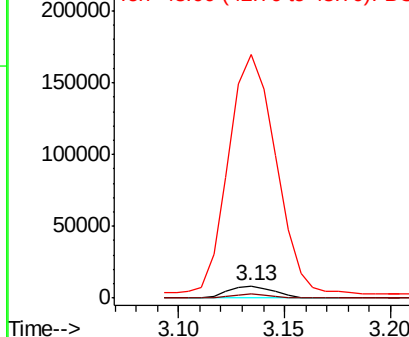
#2

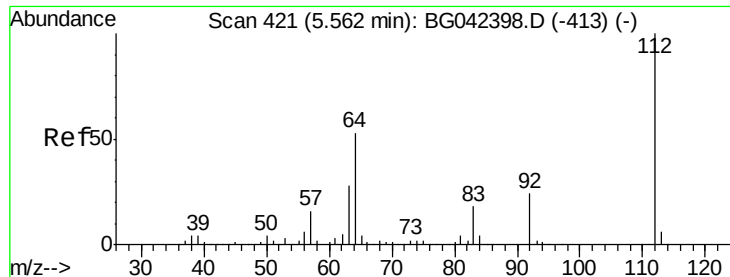
1,4-Dioxane
Concen: 18.791 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042647.D
Acq: 1 Sep 2019 00:51

Tgt Ion: 88 Resp: 13223
Ion Ratio Lower Upper
88 100
58 29.2 58.3 87.5#
43 2020.0 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: 129.558 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042647.D

Acq: 1 Sep 2019 00:51

Instrument :

BNA_G

ClientSampled :

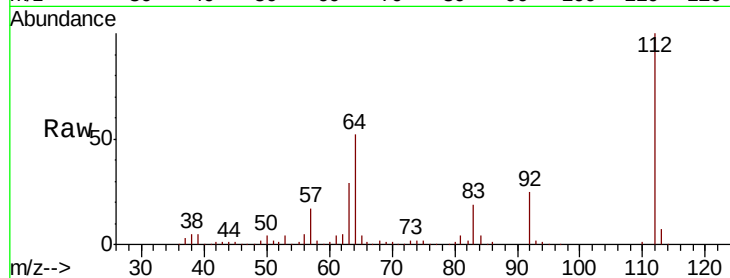
Tot Ion: 112 Resp: 218465

Ion Ratio Lower Upper

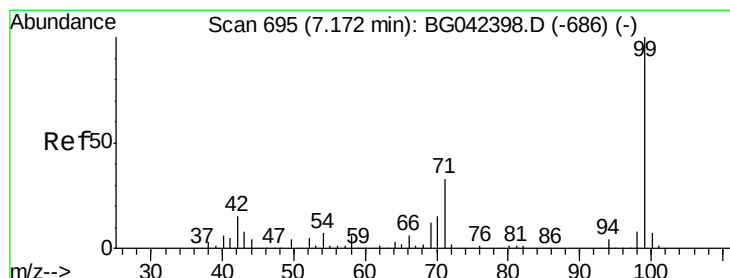
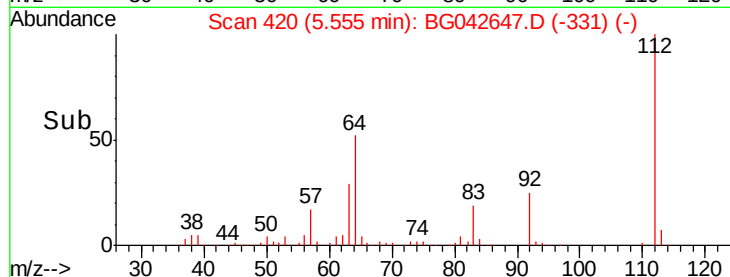
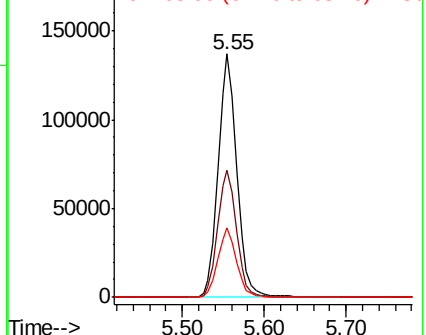
112 100

64 52.0 42.8 64.2

63 28.6 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: 111.123 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042647.D

Acq: 1 Sep 2019 00:51

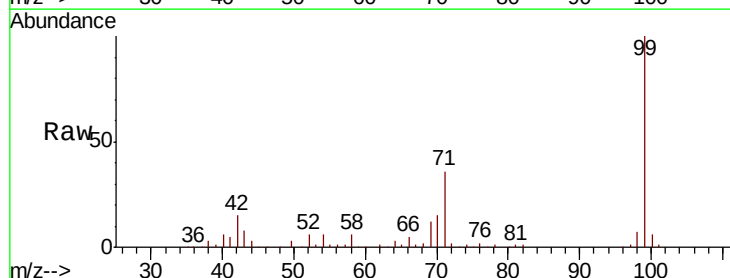
Tgt Ion: 99 Resp: 253105

Ion Ratio Lower Upper

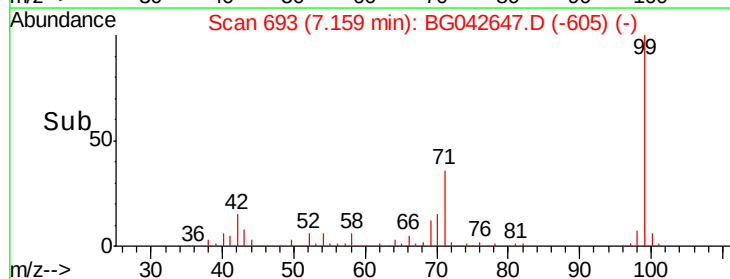
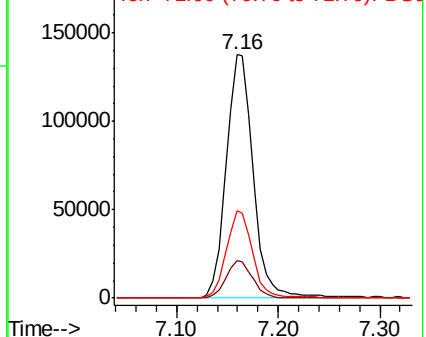
99 100

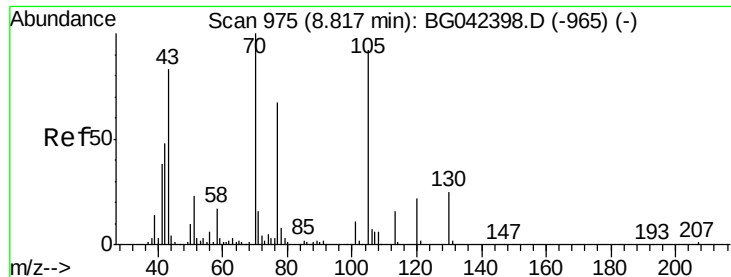
42 15.5 12.0 18.0

71 35.8 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

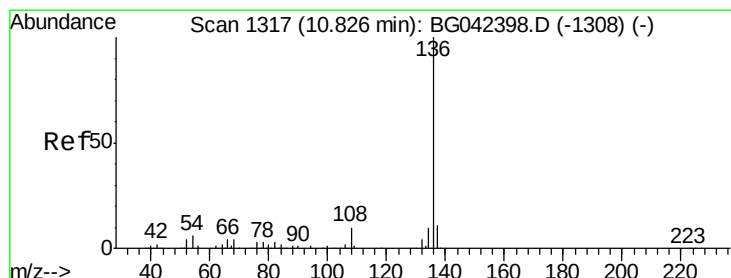
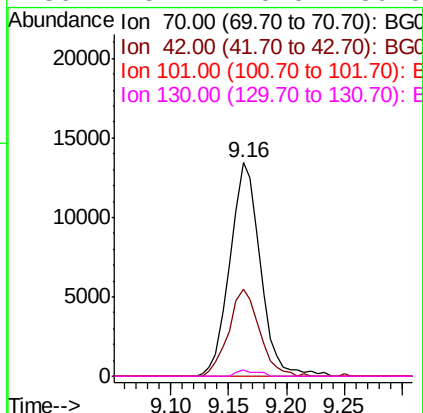
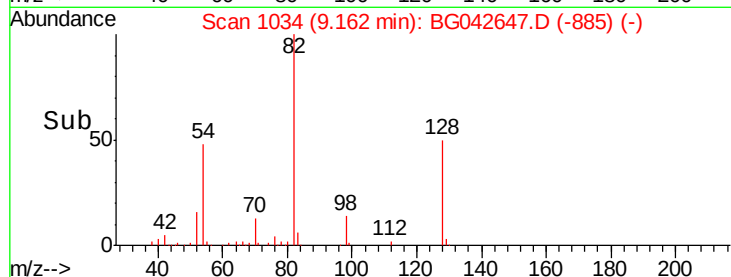
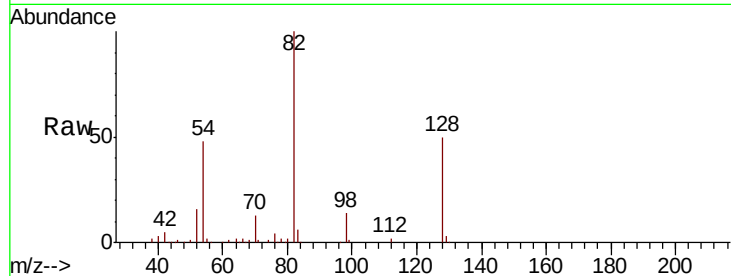




#19
n-Nitroso-di-n-propylamine
Concen: 16.712 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042647.D
Acq: 1 Sep 2019 00:51

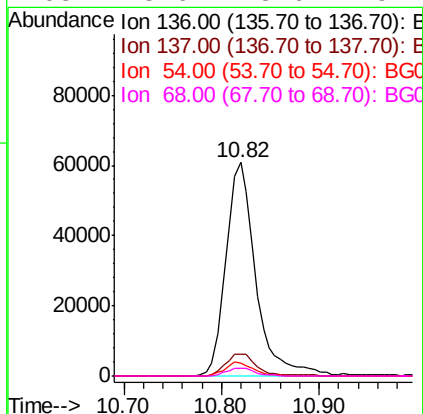
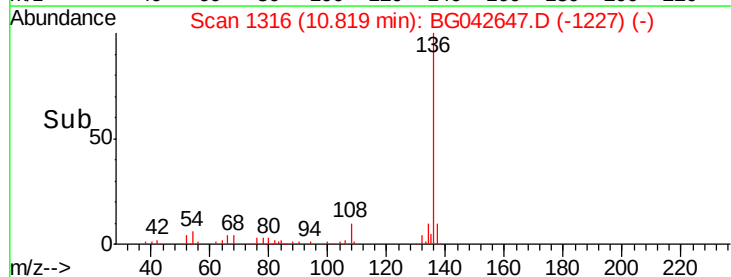
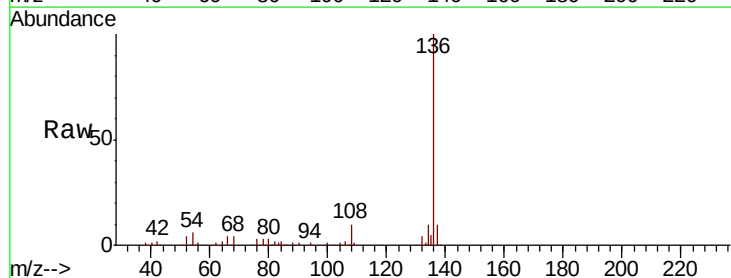
Instrument :
BNA_G
ClientSampleId :

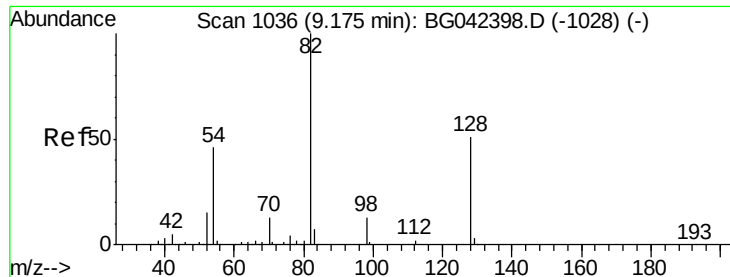
Tot Ion: 70 Resp: 24661
Ion Ratio Lower Upper
70 100
42 40.6 38.8 58.2
101 0.0 9.0 13.6#
130 3.1 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042647.D
Acq: 1 Sep 2019 00:51

Tgt Ion: 136 Resp: 128961
Ion Ratio Lower Upper
136 100
137 10.1 8.7 13.1
54 6.1 4.9 7.3
68 3.6 3.6 5.4#

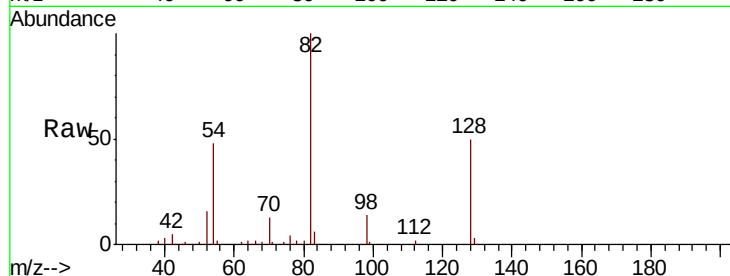




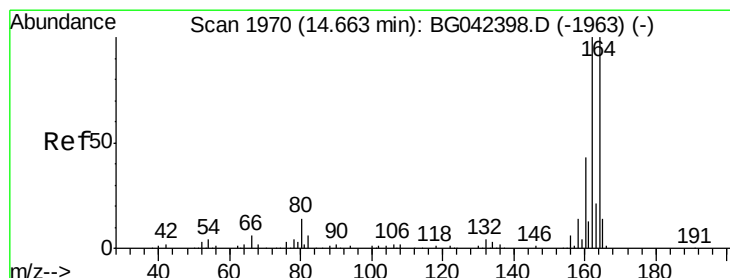
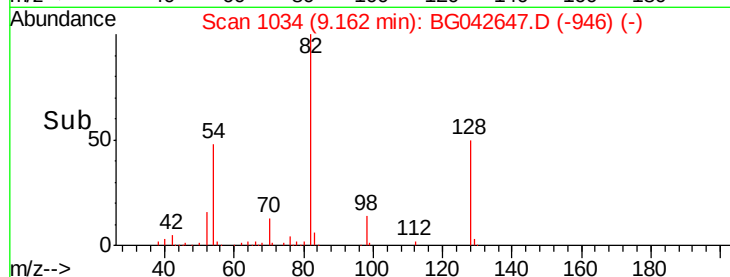
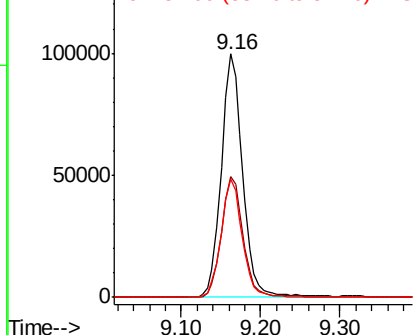
#23
Nitrobenzene-d5
Concen: 99.713 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042647.D
Acq: 1 Sep 2019 00:51

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 186084
Ion Ratio Lower Upper
82 100
128 49.7 40.7 61.1
54 48.4 36.3 54.5

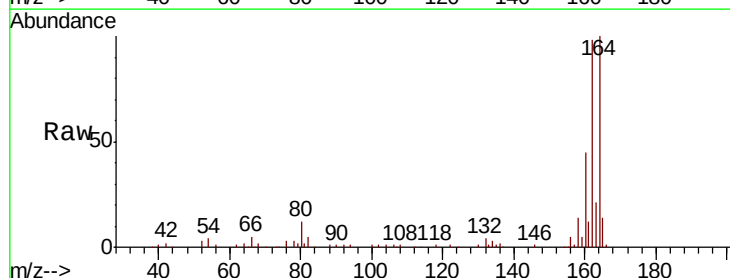


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

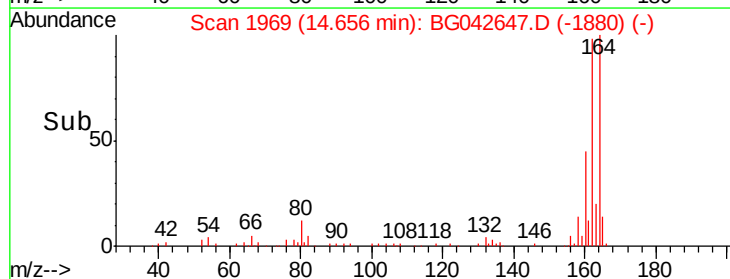
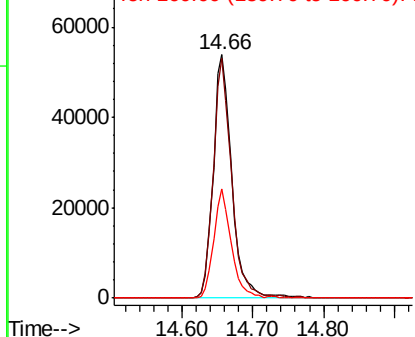


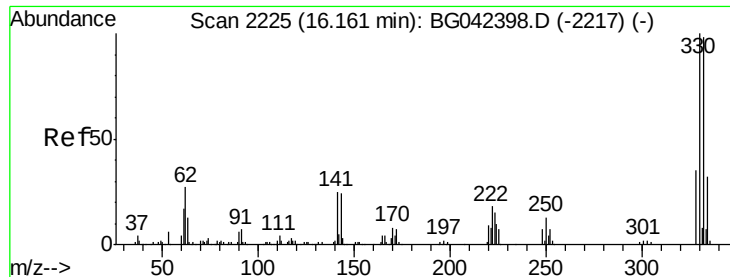
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042647.D
Acq: 1 Sep 2019 00:51

Tgt Ion:164 Resp: 98371
Ion Ratio Lower Upper
164 100
162 98.3 79.9 119.9
160 44.7 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

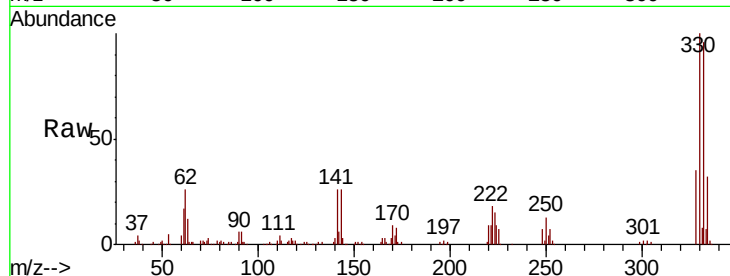




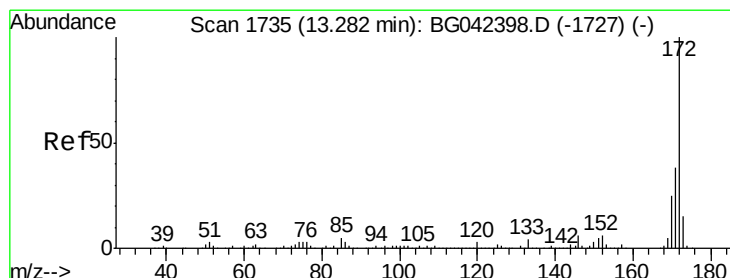
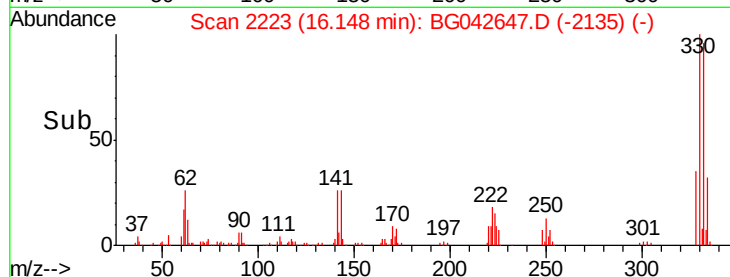
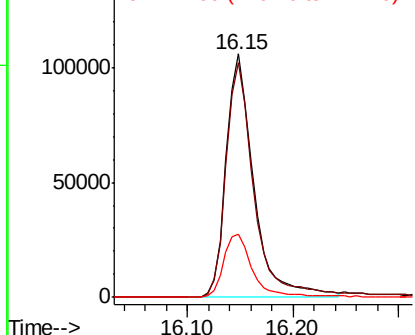
#42
 2,4,6-Tribromophenol
 Concen: 138.285 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042647.D
 Acq: 1 Sep 2019 00:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.4	77.4	116.0
141	27.6	21.4	32.0

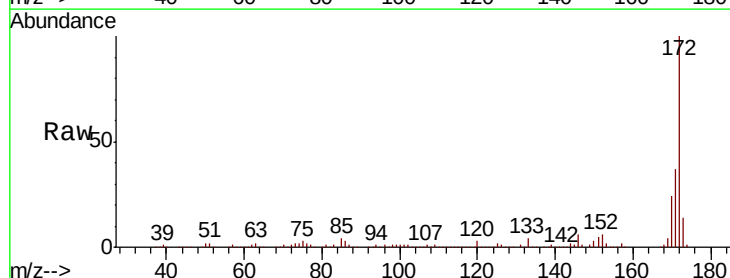


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

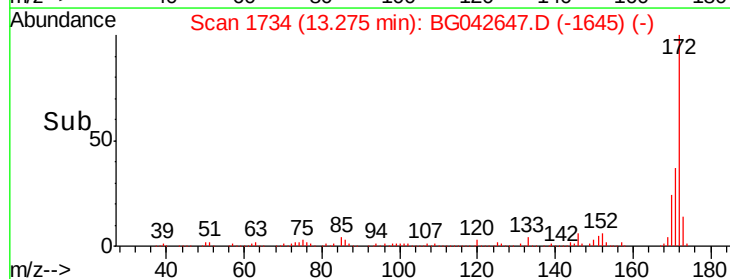
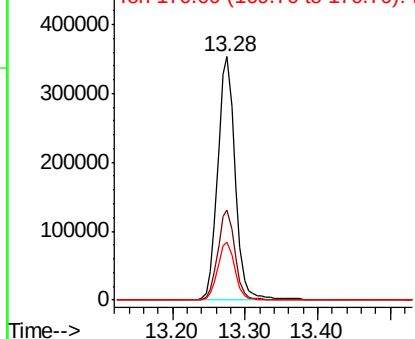


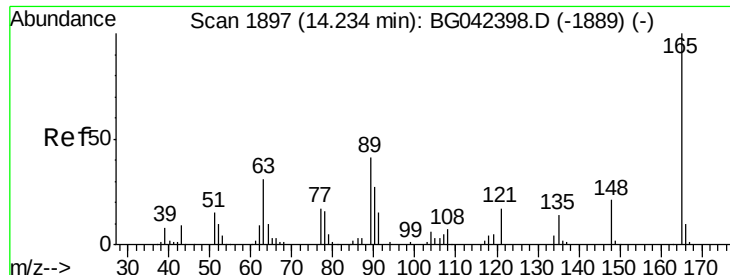
#45
 2-Fluorobiphenyl
 Concen: 102.429 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042647.D
 Acq: 1 Sep 2019 00:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.5	45.7
170	23.7	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

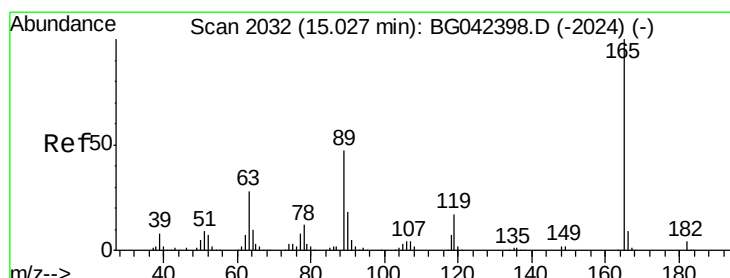
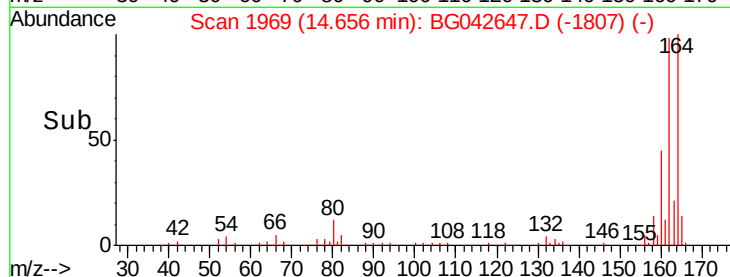
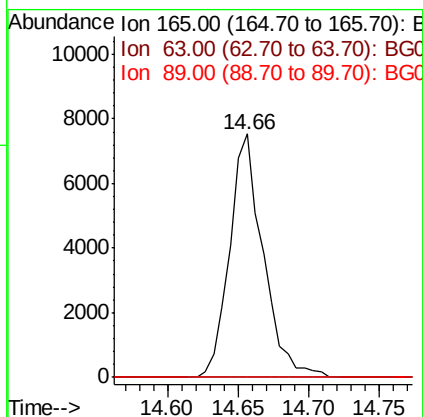
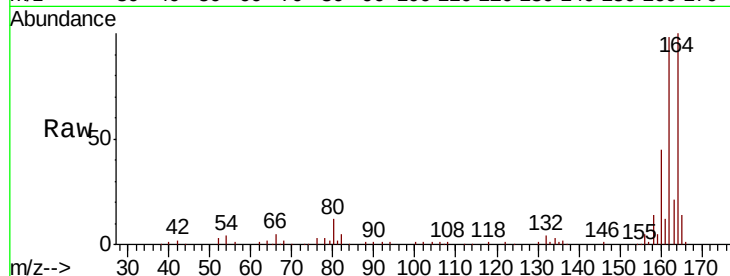




#51
 2,6-Dinitrotoluene
 Concen: 7.579 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042647.D
 Acq: 1 Sep 2019 00:51

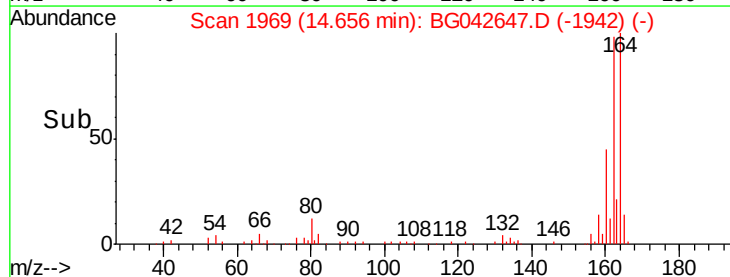
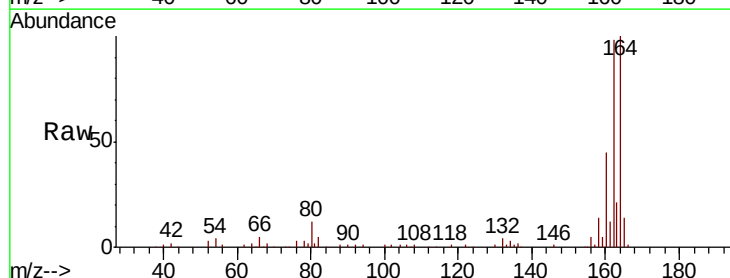
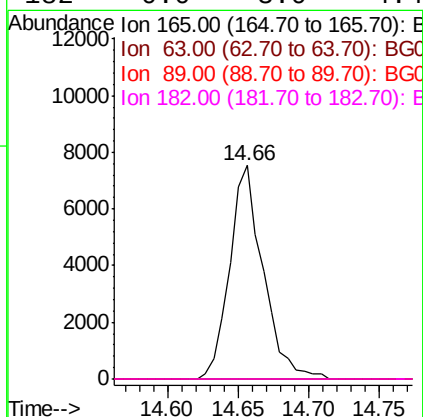
Instrument :
 BNA_G
 ClientSampleId :

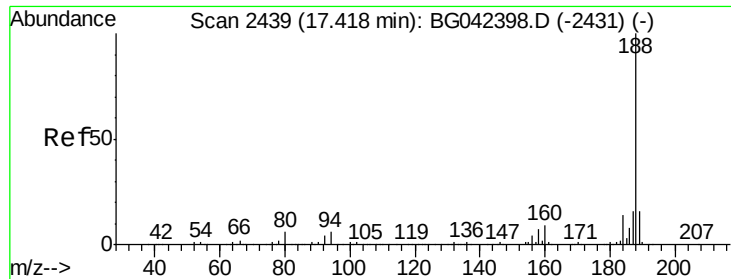
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.293 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042647.D
 Acq: 1 Sep 2019 00:51

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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042647.D

Acq: 1 Sep 2019 00:51

Instrument :

BNA_G

ClientSampleId :

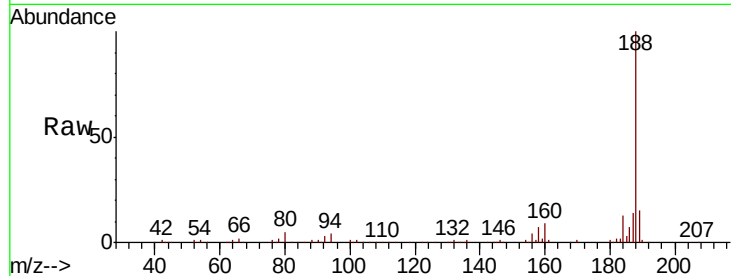
Tot Ion:188 Resp: 232238

Ion Ratio Lower Upper

188 100

94 4.1 4.5 6.7#

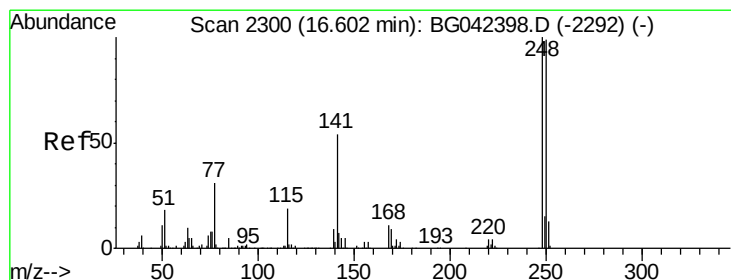
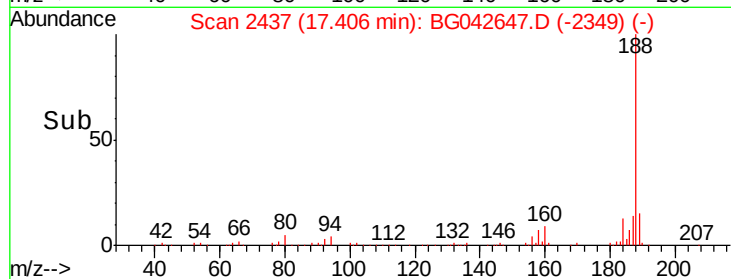
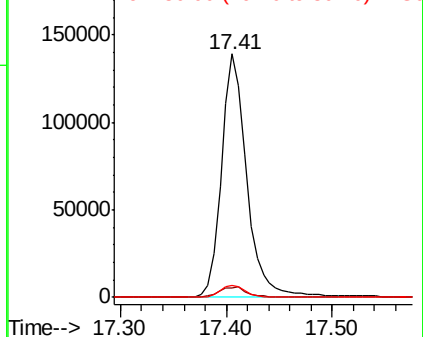
80 5.1 4.9 7.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.595 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042647.D

Acq: 1 Sep 2019 00:51

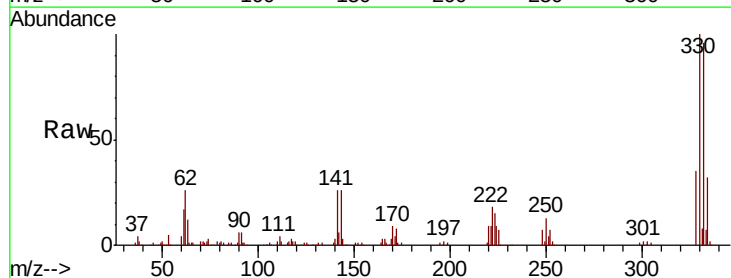
Tgt Ion:248 Resp: 13535

Ion Ratio Lower Upper

248 100

250 181.6 78.9 118.3#

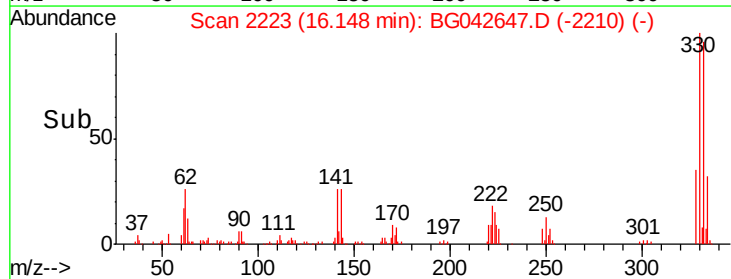
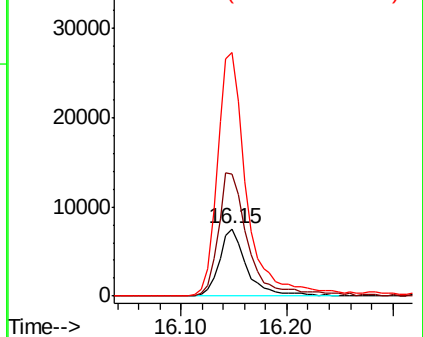
141 363.6 43.3 64.9#

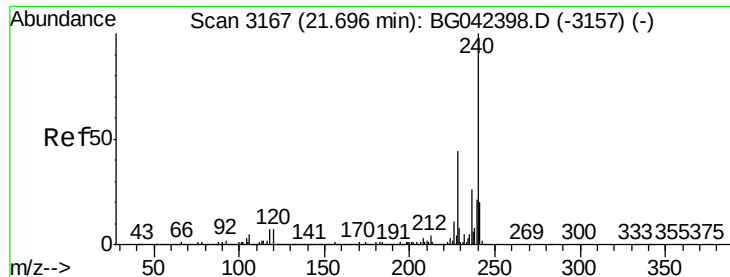


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

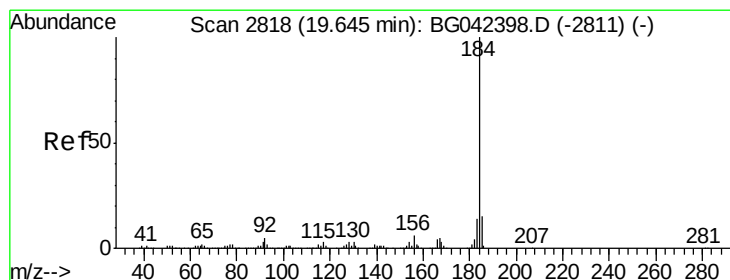
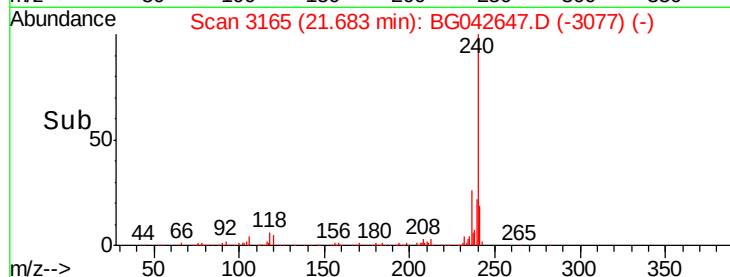
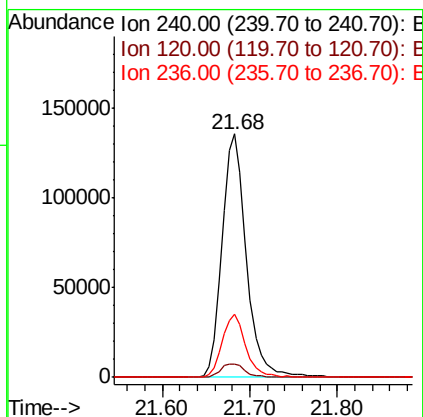
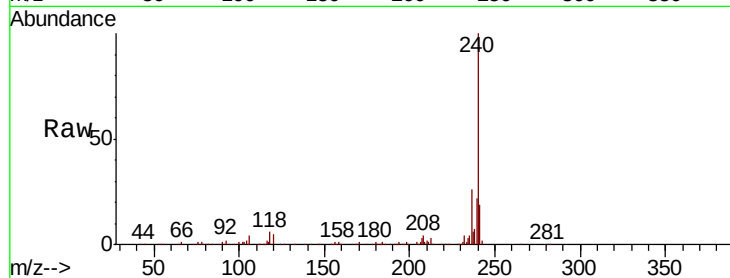




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042647.D
Acq: 1 Sep 2019 00:51

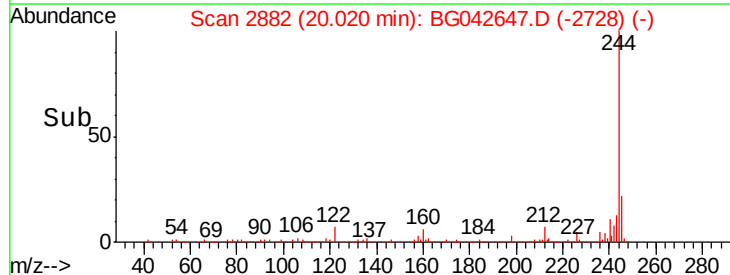
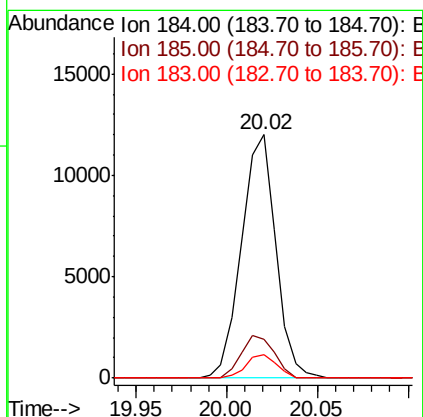
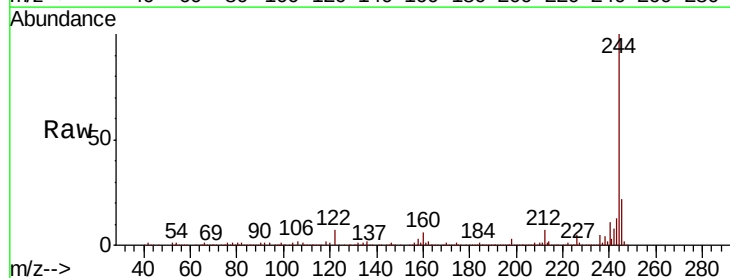
Instrument :
BNA_G
ClientSampleId :

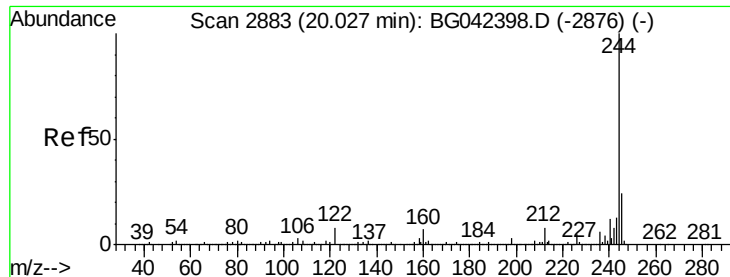
Tot Ion:240 Resp: 259473
Ion Ratio Lower Upper
240 100
120 5.2 5.7 8.5#
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.124 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.38 min
Lab File: BG042647.D
Acq: 1 Sep 2019 00:51

Tgt Ion:184 Resp: 15800
Ion Ratio Lower Upper
184 100
185 15.8 12.2 18.4
183 9.6 10.8 16.2#





#79

Terphenyl-d14

Concen: 103.425 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042647.D

Acq: 1 Sep 2019 00:51

Instrument :

BNA_G

ClientSampled :

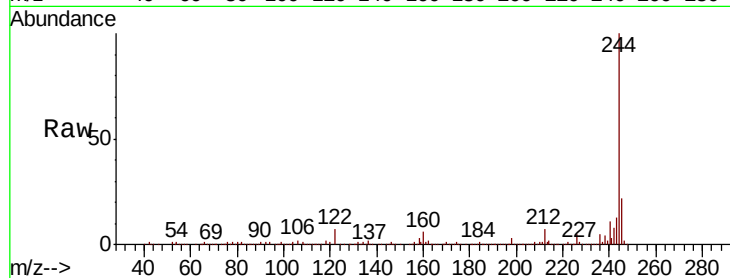
Tot Ion:244 Resp: 1241303

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

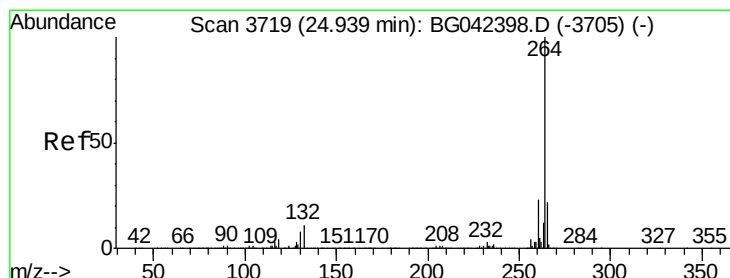
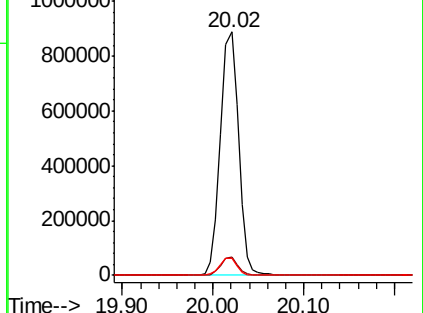
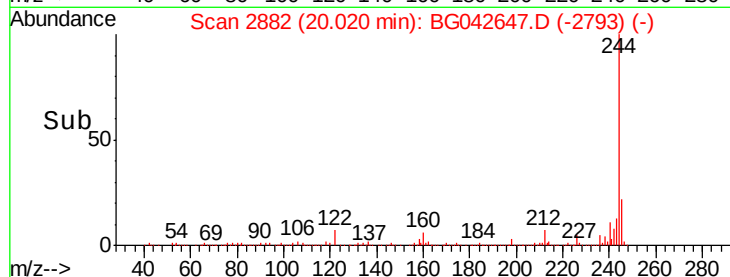
122 7.0 6.7 10.1



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: BG042647.D

Acq: 1 Sep 2019 00:51

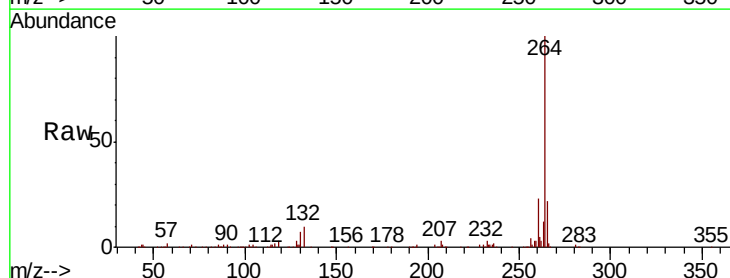
Tgt Ion:264 Resp: 297488

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 21.5 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

