

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042663.D
 Acq On : 1 Sep 2019 13:56
 Operator : HP/JU
 Sample : K4580-34
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 07:28:44 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

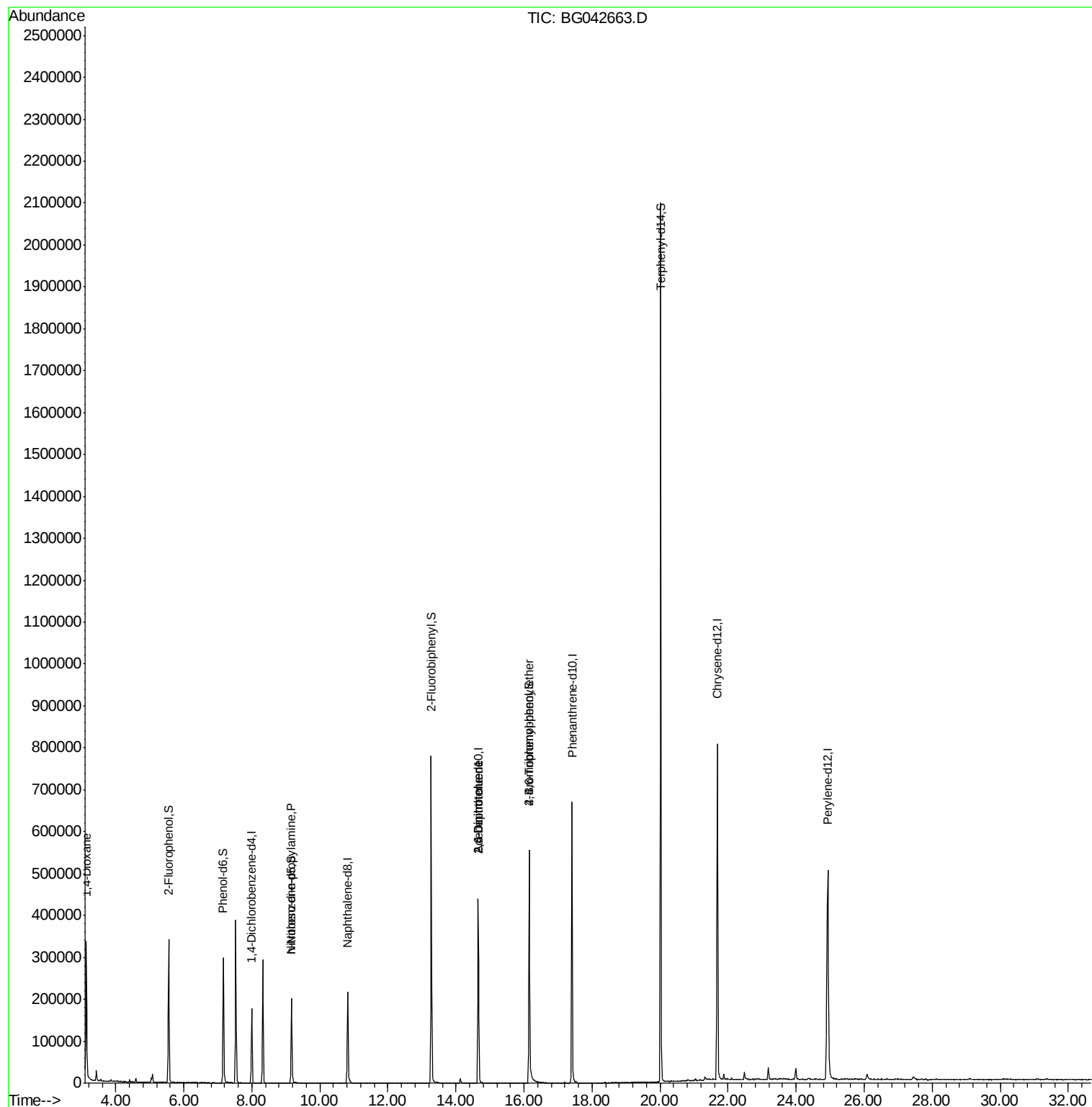
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	60364	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	234122	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	190422	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	486561	20.00	ng	0.00
76) Chrysene-d12	21.69	240	555670	20.00	ng	0.00
87) Perylene-d12	24.92	264	658050	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	168926	56.68	ng	0.00
7) Phenol-d6	7.16	99	209033	51.92	ng	-0.01
23) Nitrobenzene-d5	9.16	82	137416	40.56	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	181519	67.07	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	493689	43.85	ng	0.00
79) Terphenyl-d14	20.02	244	1166526	45.39	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	4005	3.220	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	17966	6.888	ng	# 79
51) 2,6-Dinitrotoluene	14.65	165	25309	7.947	ng	# 37
57) 2,4-Dinitrotoluene	14.65	165	25309	5.550	ng	# 39
67) 4-Bromophenyl-phenylether	16.15	248	12552	2.034	ng	# 1

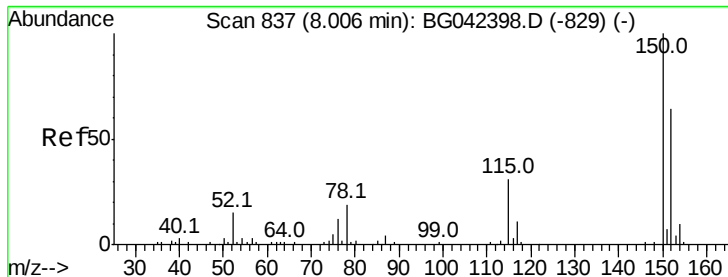
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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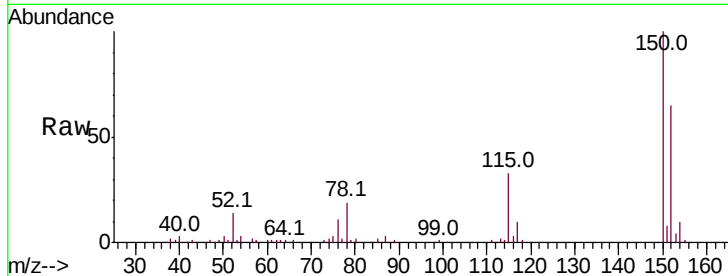


#1

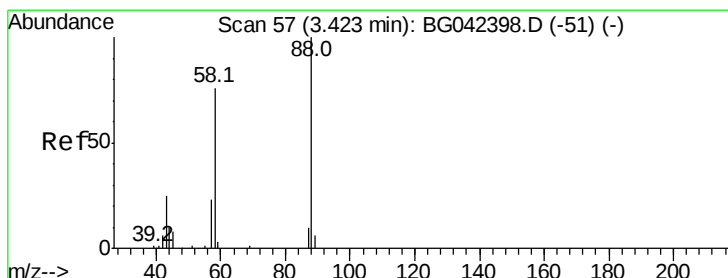
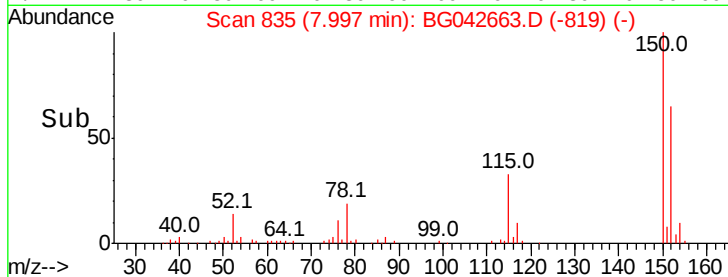
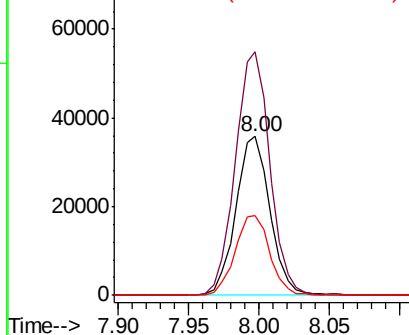
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042663.D
Acq: 1 Sep 2019 13:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60364
Ion Ratio Lower Upper
152 100
150 153.2 125.4 188.0
115 50.2 38.5 57.7



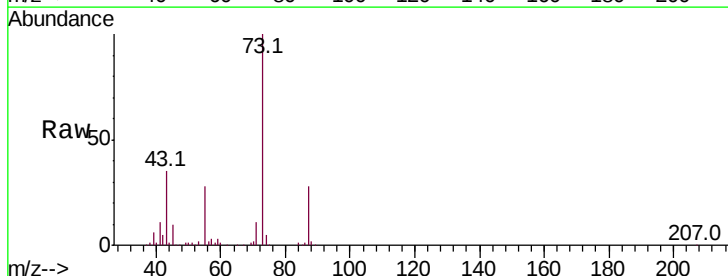
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



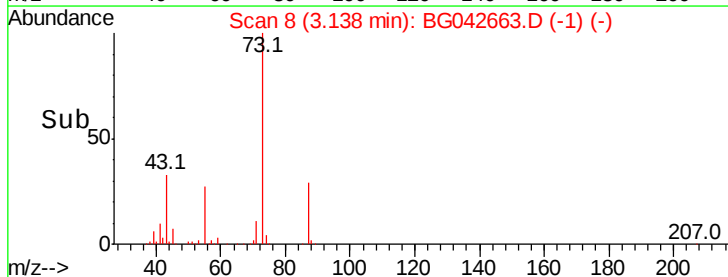
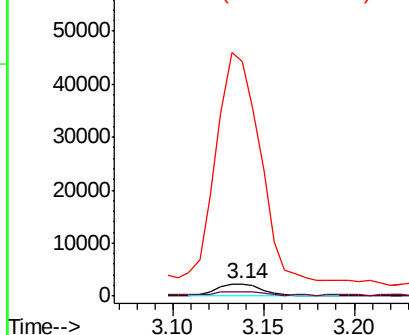
#2

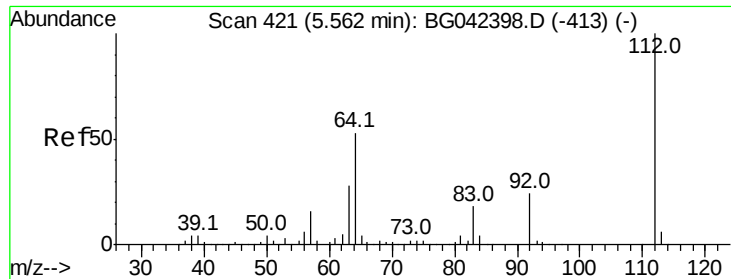
1,4-Dioxane
Concen: 3.220 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042663.D
Acq: 1 Sep 2019 13:56

Tgt Ion: 88 Resp: 4005
Ion Ratio Lower Upper
88 100
58 29.0 58.3 87.5#
43 1768.8 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: 56.677 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG042663.D

Acq: 1 Sep 2019 13:56

Instrument :

BNA_G

ClientSampled :

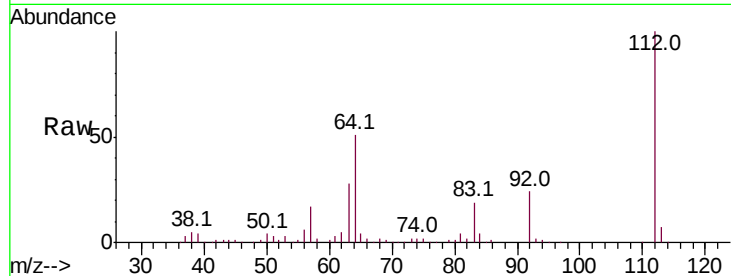
Tot Ion:112 Resp: 168926

Ion Ratio Lower Upper

112 100

64 51.2 42.8 64.2

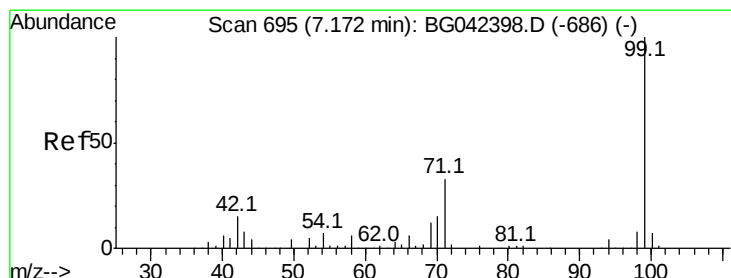
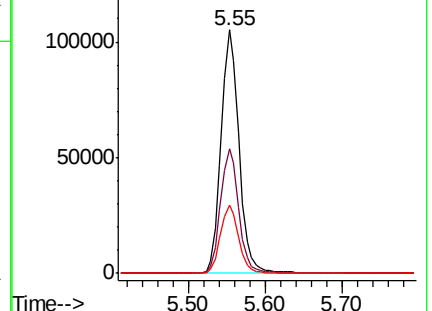
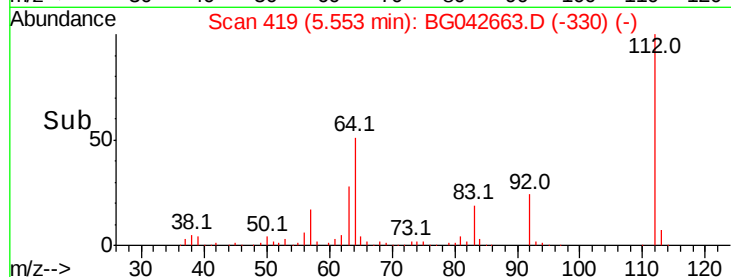
63 28.0 22.7 34.1



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: 51.921 ng

RT: 7.16 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG042663.D

Acq: 1 Sep 2019 13:56

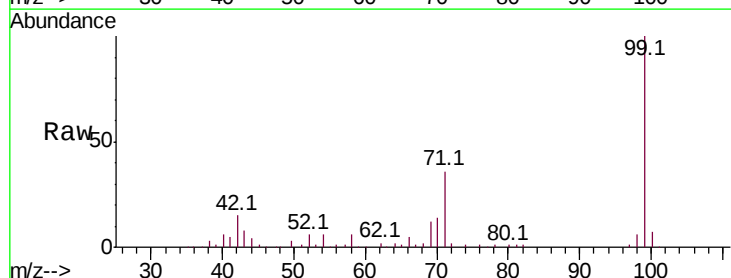
Tgt Ion: 99 Resp: 209033

Ion Ratio Lower Upper

99 100

42 14.6 12.0 18.0

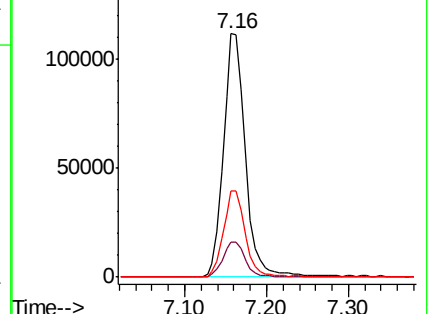
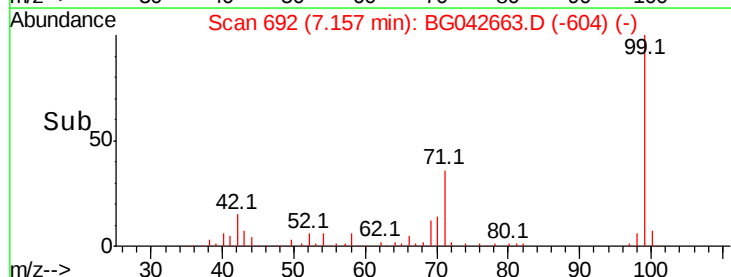
71 35.5 26.3 39.5

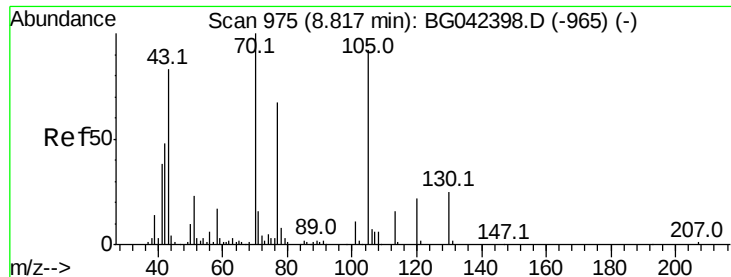


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

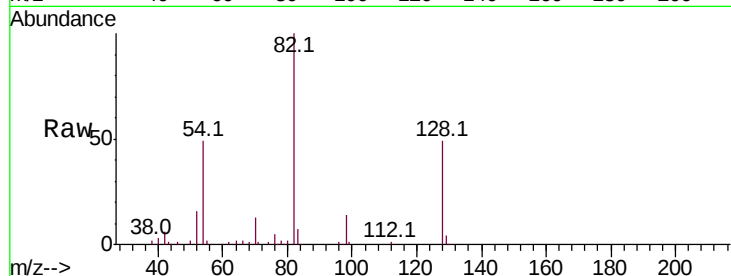




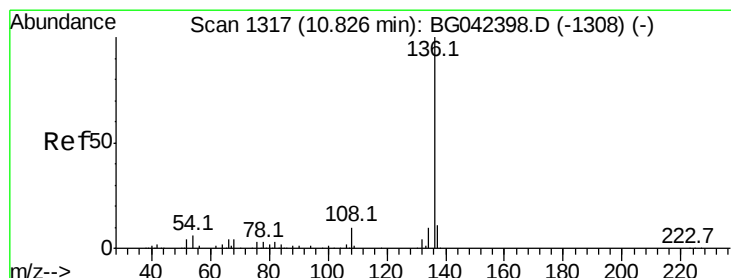
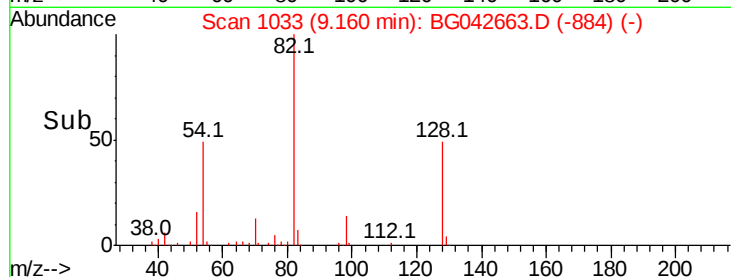
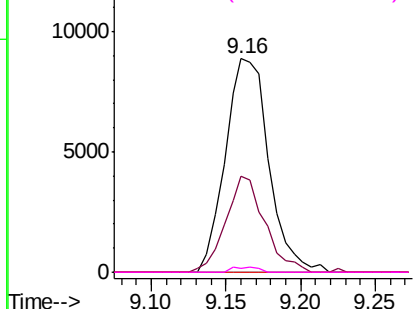
#19
n-Nitroso-di-n-propylamine
Concen: 6.888 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.34 min
Lab File: BG042663.D
Acq: 1 Sep 2019 13:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 17966
Ion Ratio Lower Upper
70 100
42 44.7 38.8 58.2
101 0.0 9.0 13.6#
130 2.0 20.0 30.0#

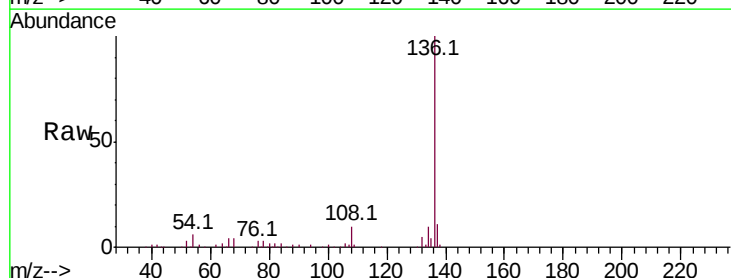


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

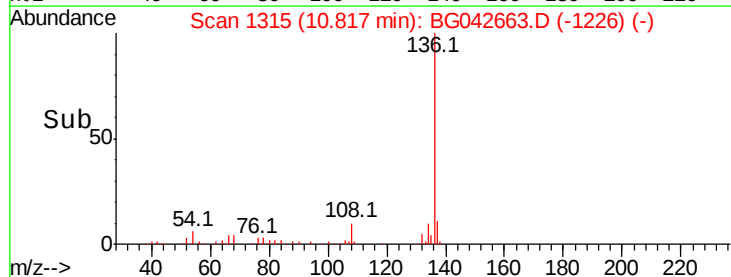
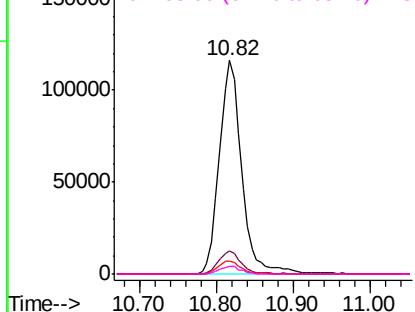


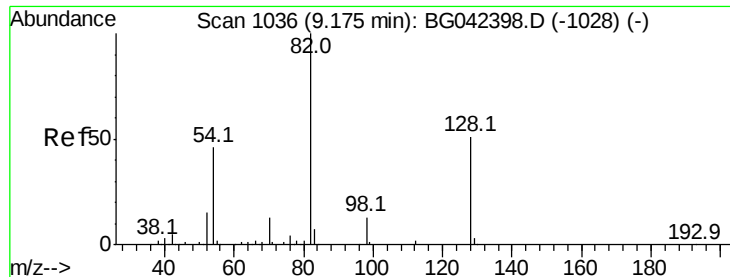
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042663.D
Acq: 1 Sep 2019 13:56

Tgt Ion:136 Resp: 234122
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.3 4.9 7.3
68 3.5 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

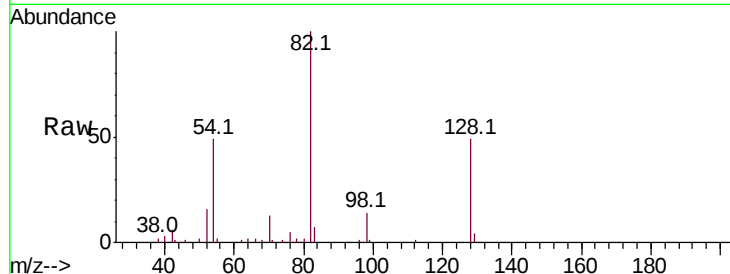




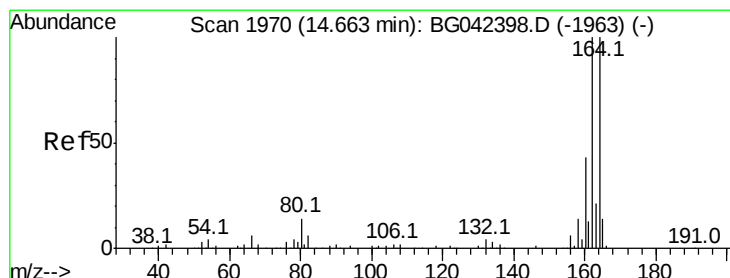
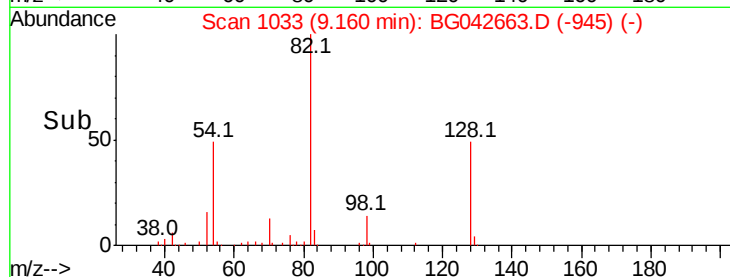
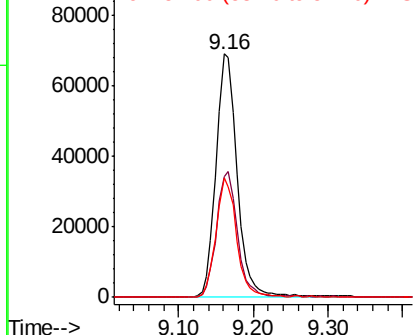
#23
Nitrobenzene-d5
Concen: 40.560 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG042663.D
Acq: 1 Sep 2019 13:56

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	137416
Ion Ratio	100	Lower	Upper
128	49.3	40.7	61.1
54	48.9	36.3	54.5

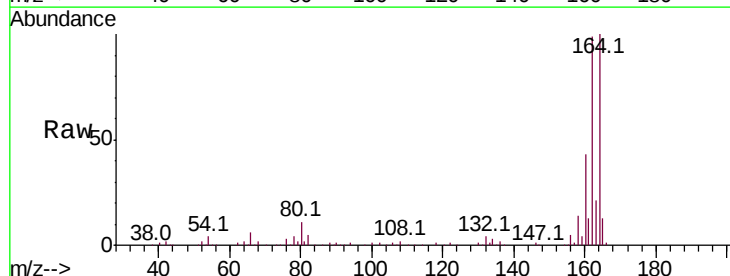


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

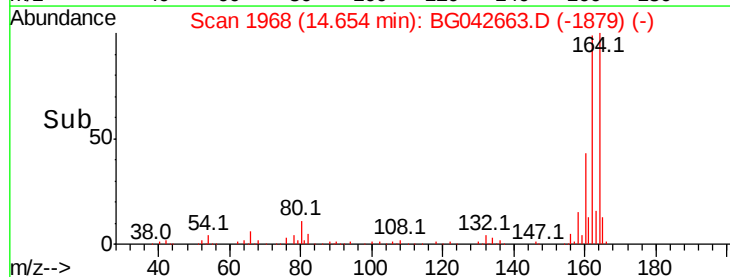
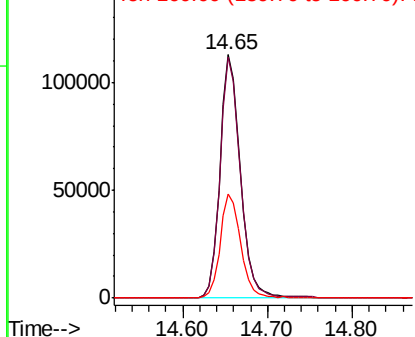


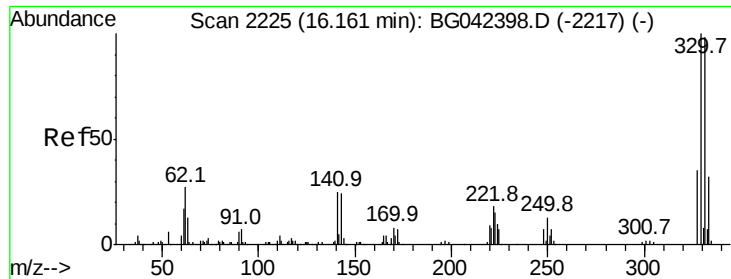
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG042663.D
Acq: 1 Sep 2019 13:56

Tgt Ion	164	Resp	190422
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	99.0	79.9	119.9
160	42.7	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

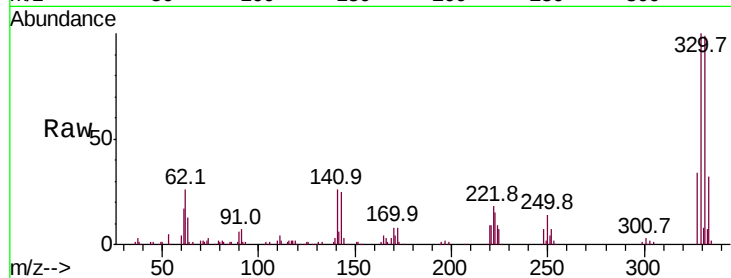




#42
 2,4,6-Tribromophenol
 Concen: 67.067 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042663.D
 Acq: 1 Sep 2019 13:56

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.4	116.0
141	25.6	21.4	32.0

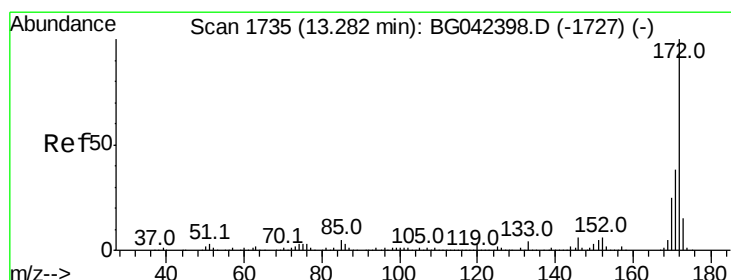
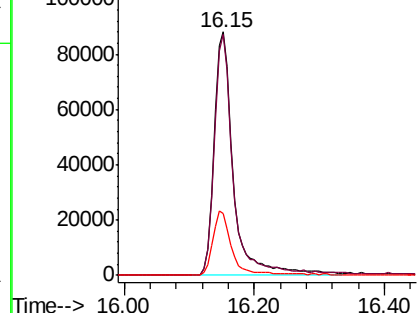
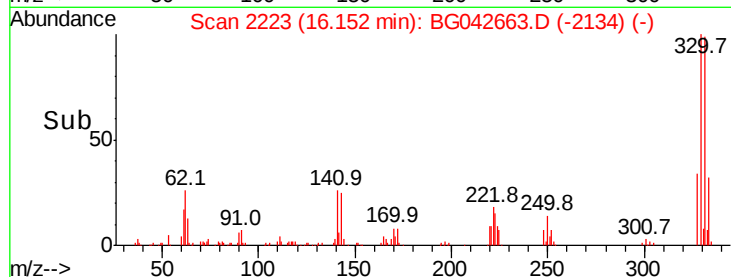


Abundance

Ion 329.80 (329.50 to 330.50): E

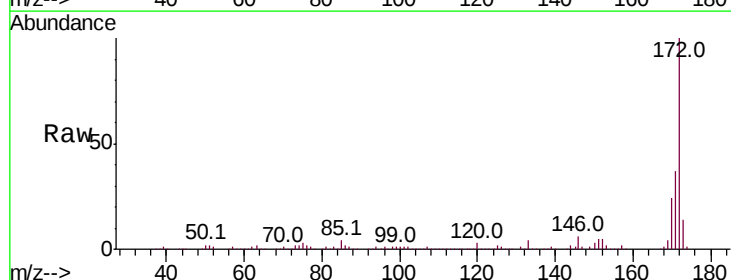
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 43.848 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG042663.D
 Acq: 1 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.5	45.7
170	23.6	20.2	30.2

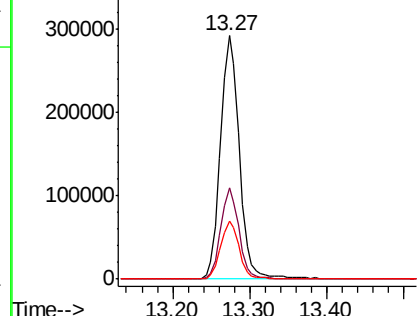
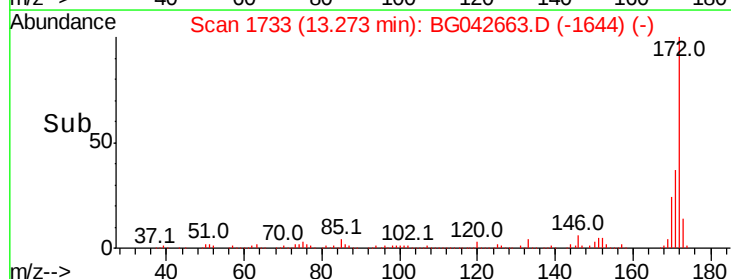


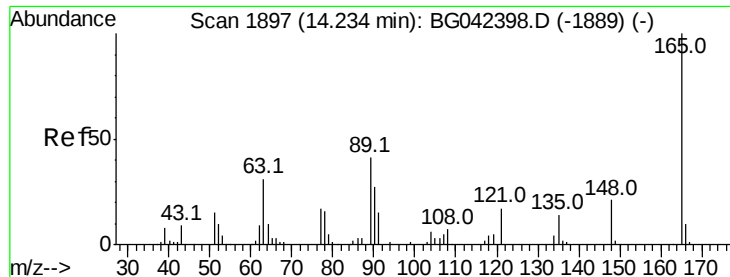
Abundance

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

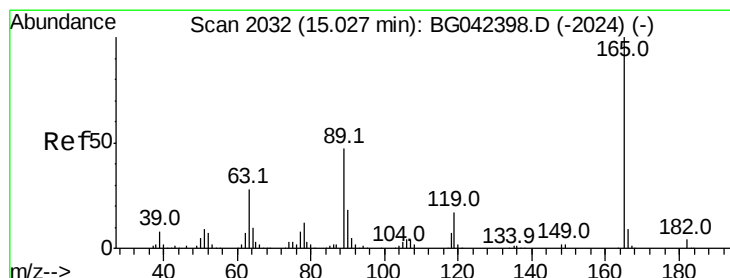
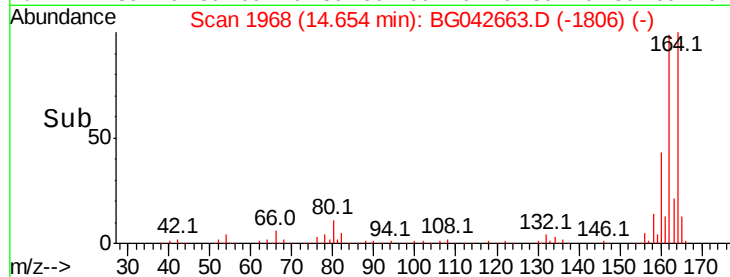
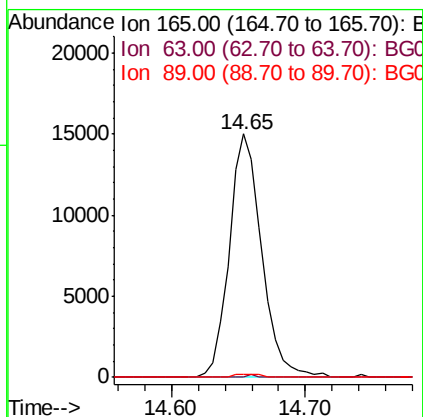
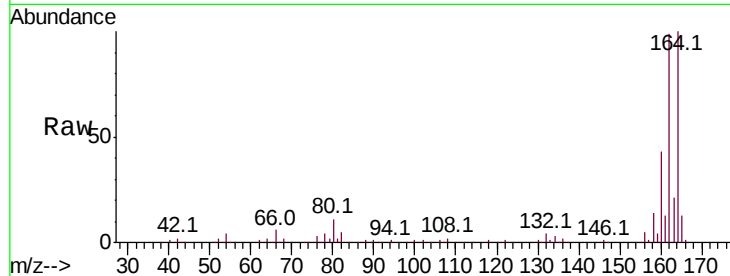




#51
 2,6-Dinitrotoluene
 Concen: 7.947 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042663.D
 Acq: 1 Sep 2019 13:56

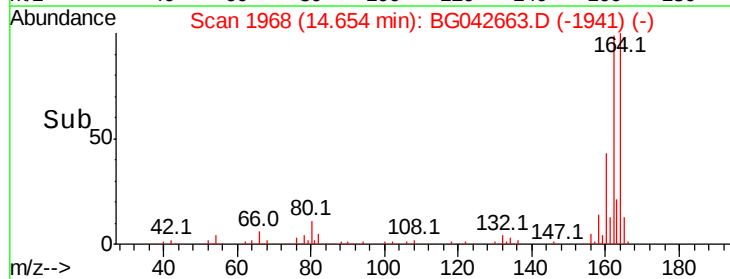
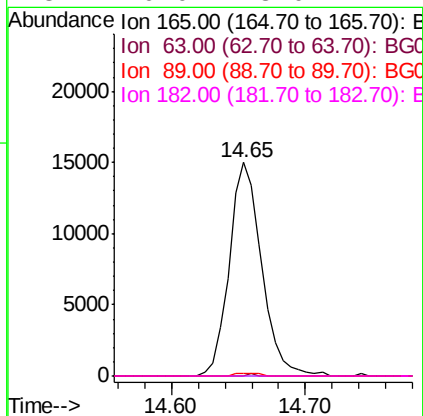
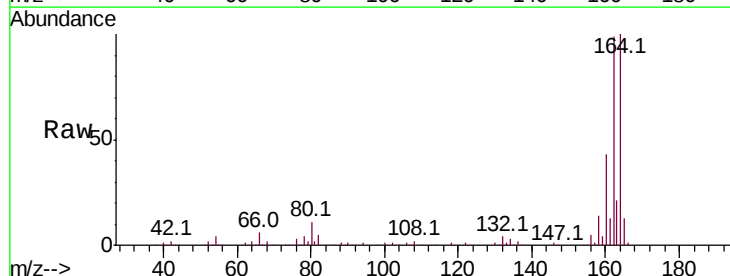
Instrument :
 BNA_G
 ClientSampleId :

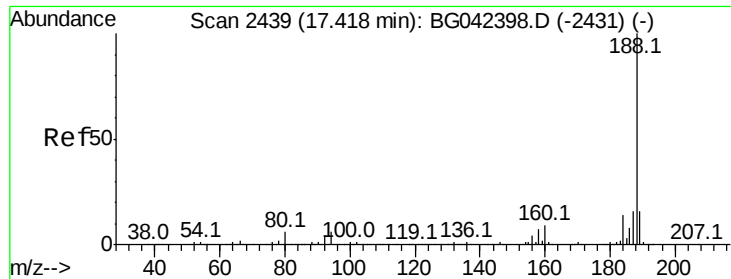
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	1.1	32.6	49.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.550 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.37 min
 Lab File: BG042663.D
 Acq: 1 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	1.1	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: BG042663.D

Acq: 1 Sep 2019 13:56

Instrument :

BNA_G

ClientSampleId :

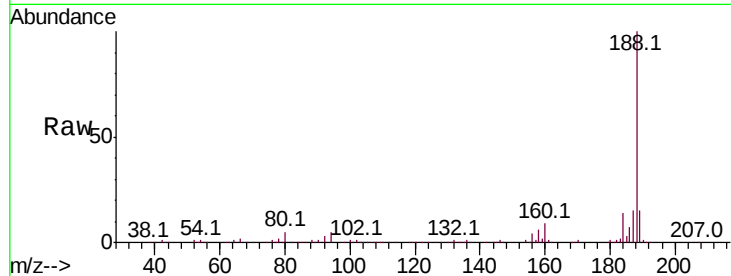
Tot Ion:188 Resp: 486561

Ion Ratio Lower Upper

188 100

94 4.9 4.5 6.7

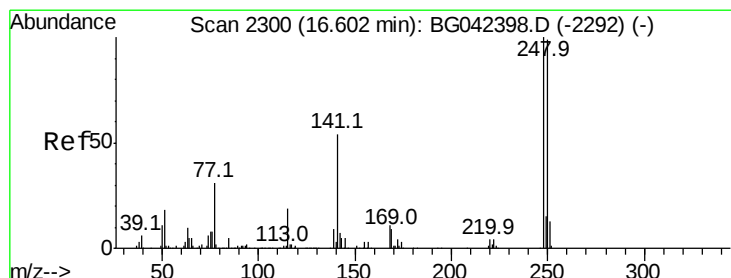
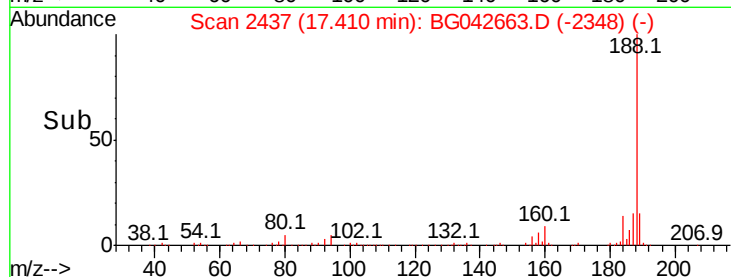
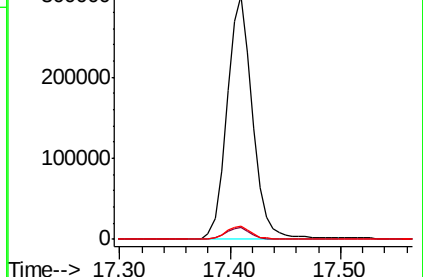
80 5.4 4.9 7.3



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: 2.034 ng

RT: 16.15 min Scan# 2222

Delta R.T. -0.46 min

Lab File: BG042663.D

Acq: 1 Sep 2019 13:56

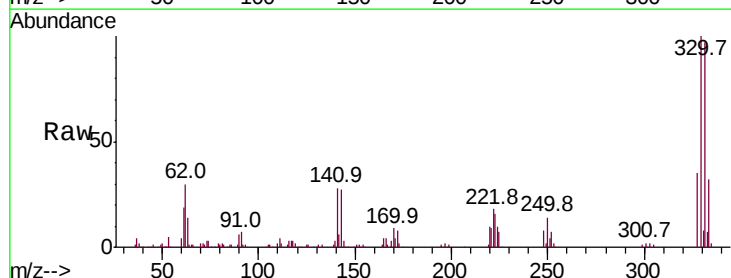
Tgt Ion:248 Resp: 12552

Ion Ratio Lower Upper

248 100

250 188.8 78.9 118.3#

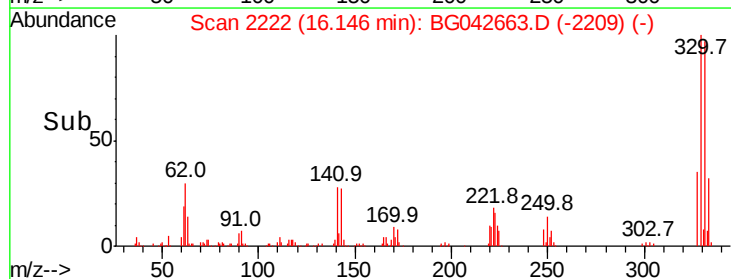
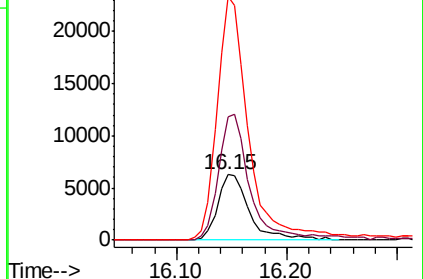
141 371.1 43.3 64.9#

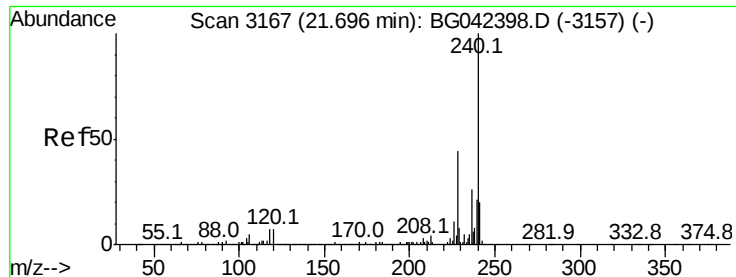


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

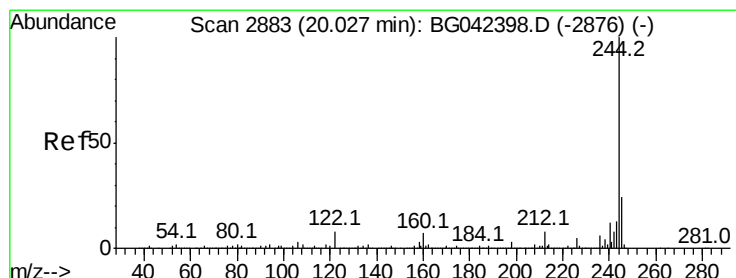
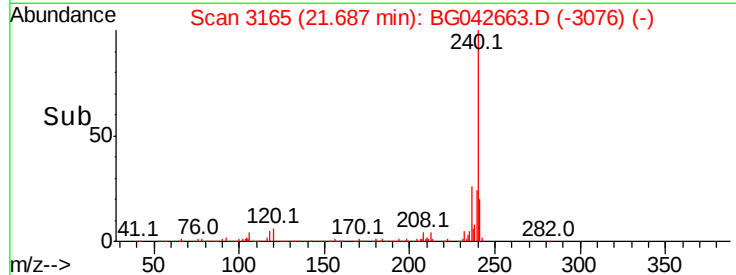
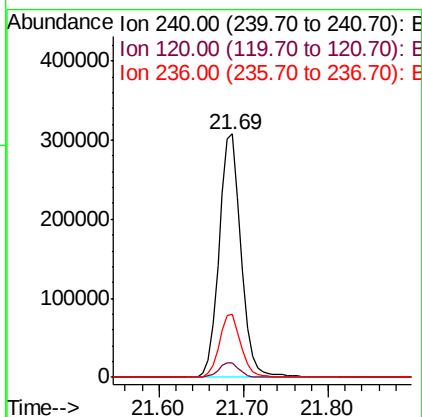
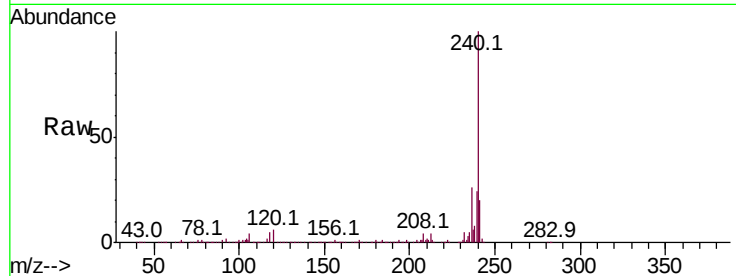




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042663.D
 Acq: 1 Sep 2019 13:56

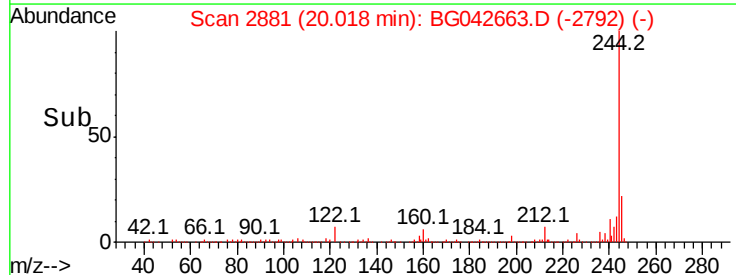
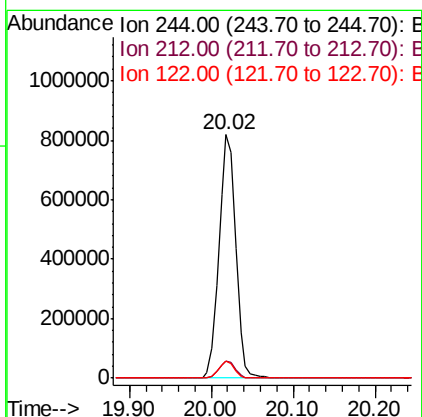
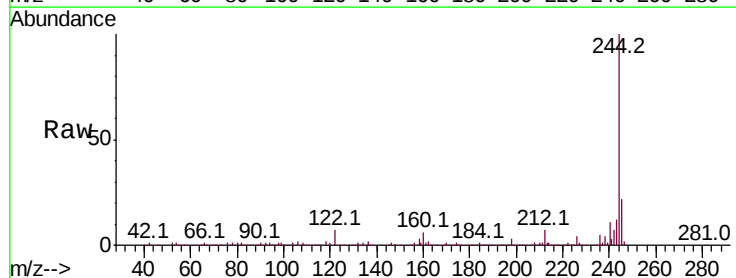
Instrument :
 BNA_G
 ClientSampleId :

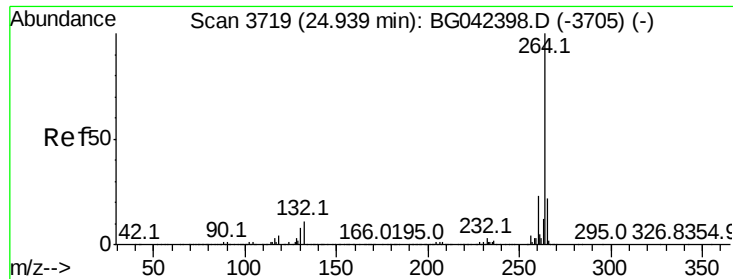
Tot Ion:240 Resp: 555670
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.7 8.5
 236 26.1 21.0 31.4



#79
 Terphenyl-d14
 Concen: 45.385 ng
 RT: 20.02 min Scan# 2881
 Delta R.T. -0.01 min
 Lab File: BG042663.D
 Acq: 1 Sep 2019 13:56

Tgt Ion:244 Resp: 1166526
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 7.0 6.7 10.1





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.01 min
Lab File: BG042663.D
Acq: 1 Sep 2019 13:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	22.1	17.6	26.4

