

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042644.D
 Acq On : 31 Aug 2019 22:54
 Operator : HP/JU
 Sample : K4544-30
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 00:12:13 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

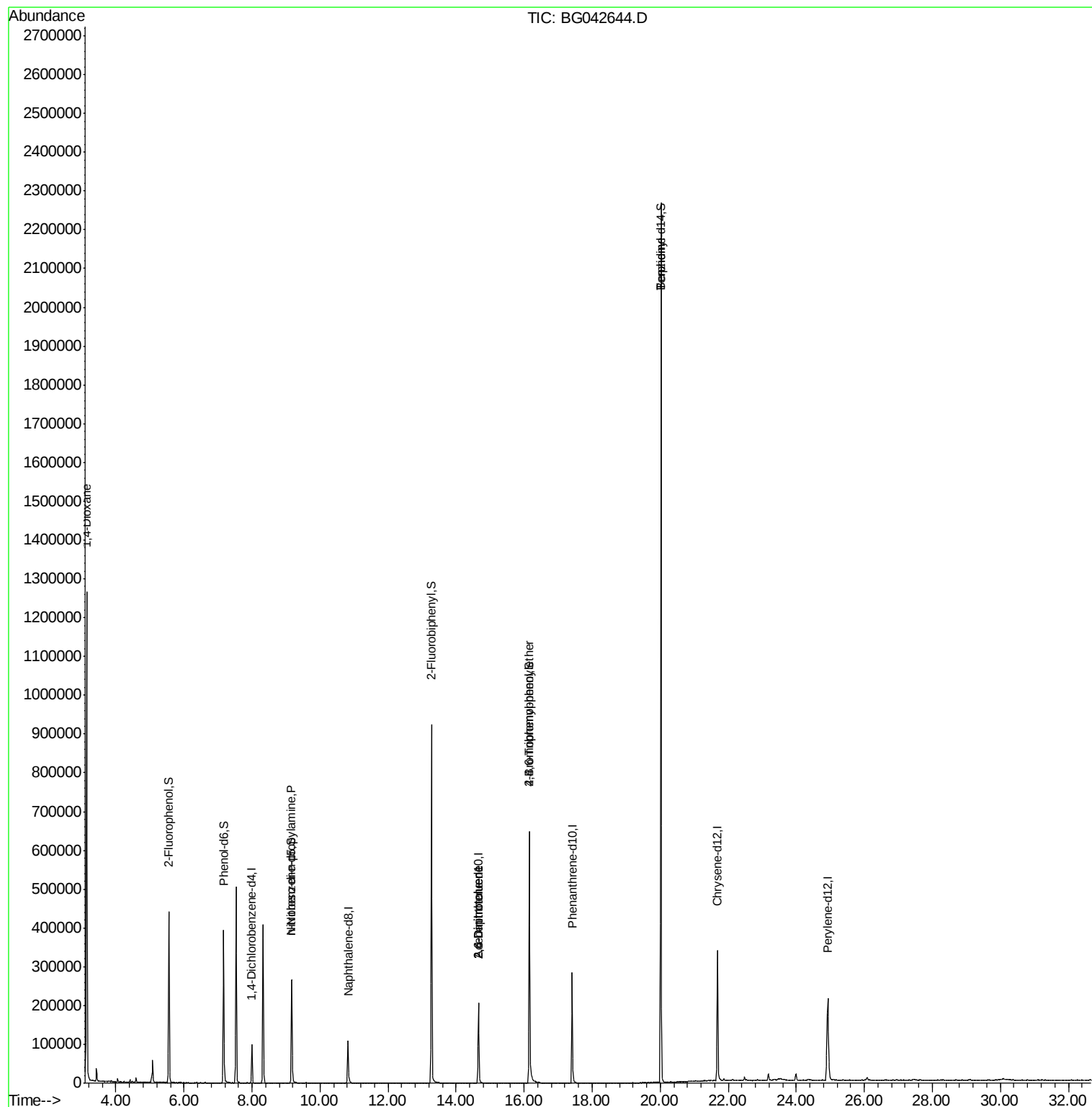
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	34682	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	125215	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	91896	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	223635	20.00	ng	0.00
76) Chrysene-d12	21.68	240	245424	20.00	ng	-0.01
87) Perylene-d12	24.92	264	287576	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	218703	127.71	ng	0.00
7) Phenol-d6	7.16	99	260277	112.52	ng	0.00
23) Nitrobenzene-d5	9.16	82	179458	99.04	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	192816	147.62	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	577479	106.28	ng	0.00
79) Terphenyl-d14	20.02	244	1189193	104.75	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	13781	19.284	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	23422	15.630	ng	# 77
51) 2,6-Dinitrotoluene	14.66	165	11879	7.729	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11879	5.397	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12331	4.347	ng	# 1
77) Benzidine	20.02	184	14663	2.084	ng	# 94

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

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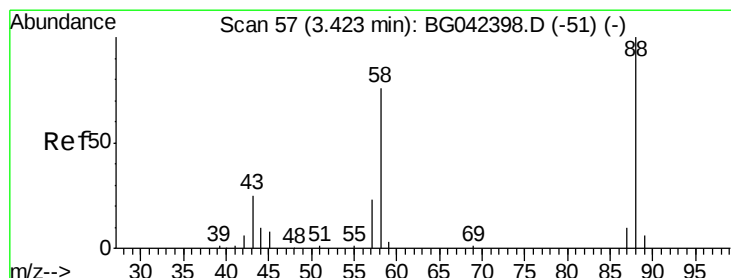
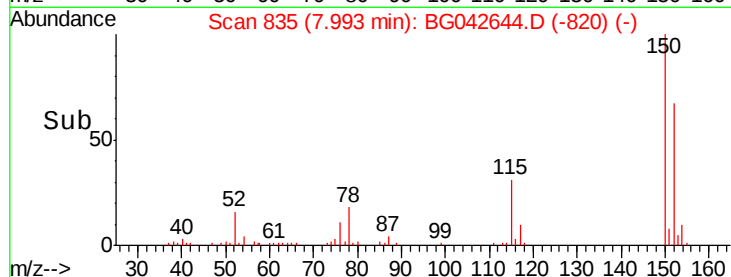
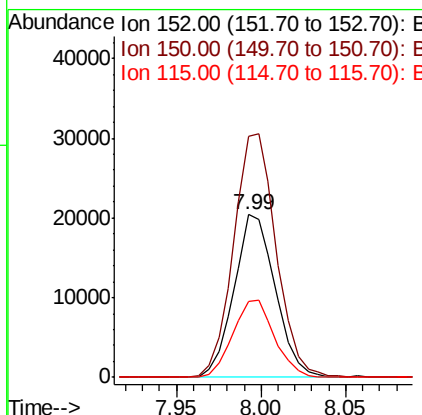
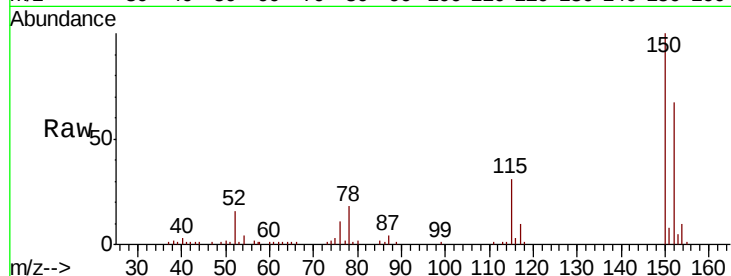


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042644.D
Acq: 31 Aug 2019 22:54

Instrument :
BNA_G
ClientSampled :

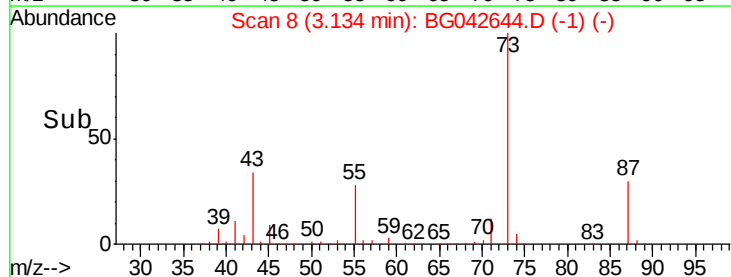
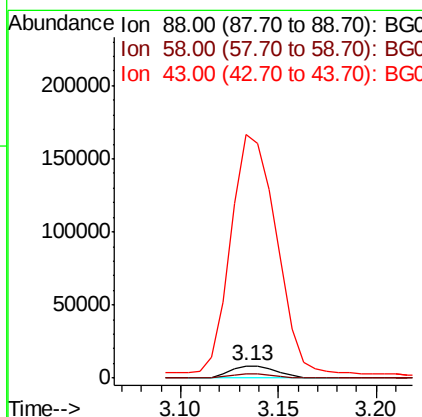
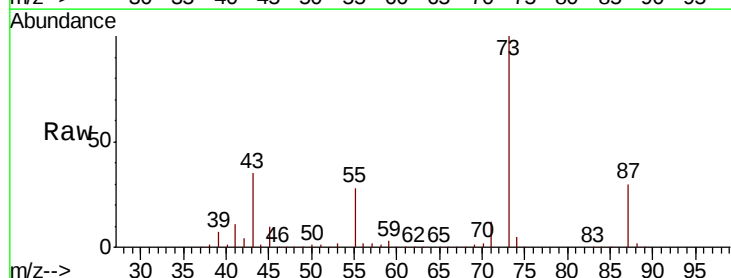
Tot Ion:152 Resp: 34682
Ion Ratio Lower Upper
152 100
150 148.5 125.4 188.0
115 46.6 38.5 57.7

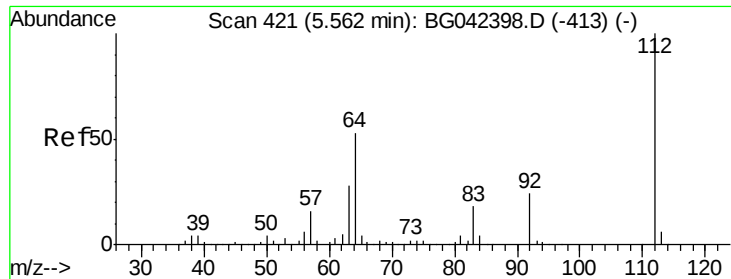


#2

1,4-Dioxane
Concen: 19.284 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042644.D
Acq: 31 Aug 2019 22:54

Tgt Ion: 88 Resp: 13781
Ion Ratio Lower Upper
88 100
58 26.6 58.3 87.5#
43 1958.7 20.2 30.2#





#5

2-Fluorophenol

Concen: 127.714 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042644.D

Acq: 31 Aug 2019 22:54

Instrument :

BNA_G

ClientSampled :

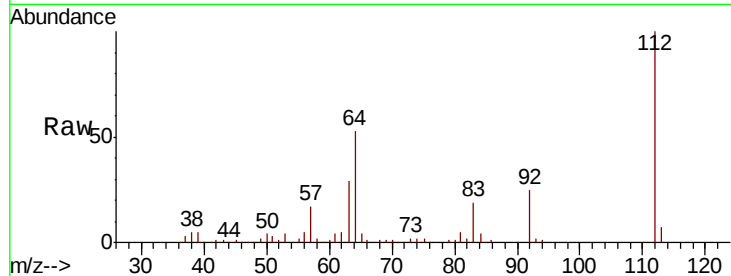
Tot Ion: 112 Resp: 218703

Ion Ratio Lower Upper

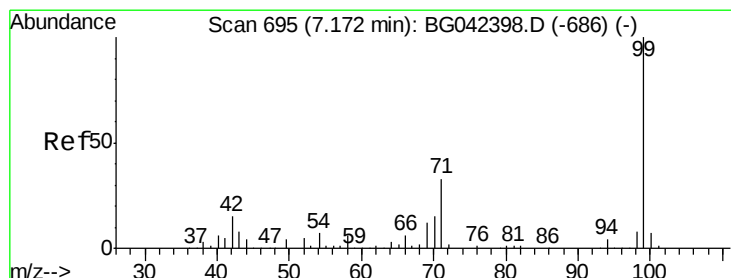
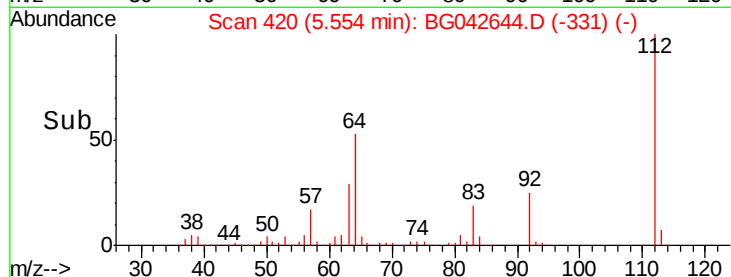
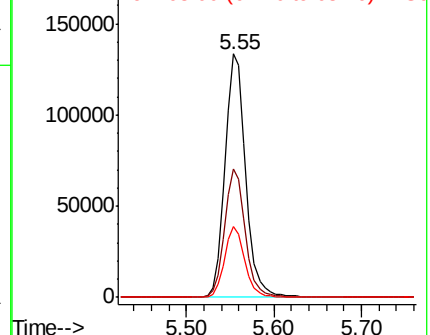
112 100

64 52.9 42.8 64.2

63 29.3 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: 112.522 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042644.D

Acq: 31 Aug 2019 22:54

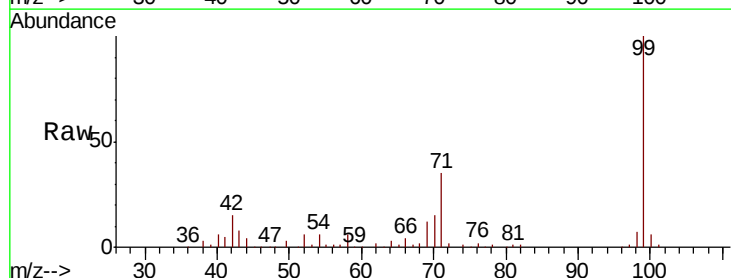
Tgt Ion: 99 Resp: 260277

Ion Ratio Lower Upper

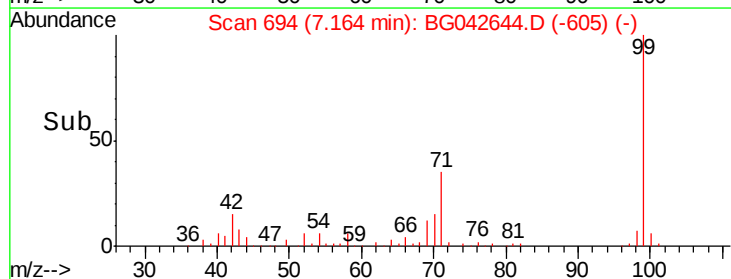
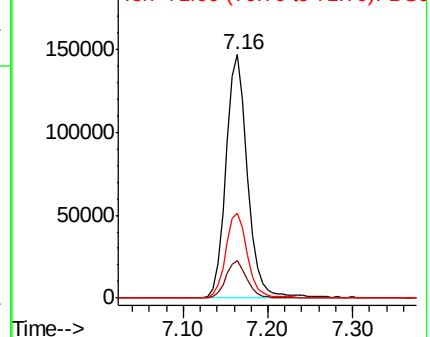
99 100

42 15.4 12.0 18.0

71 35.0 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

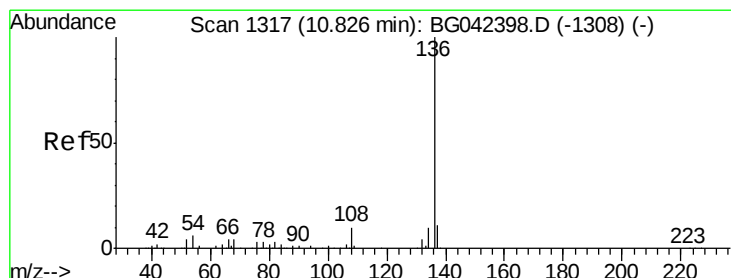
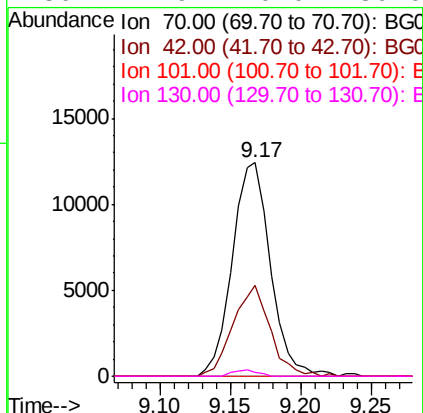
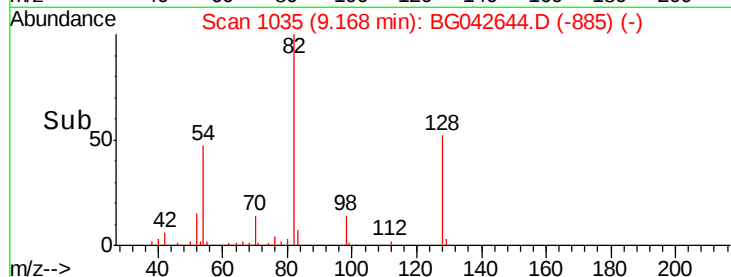
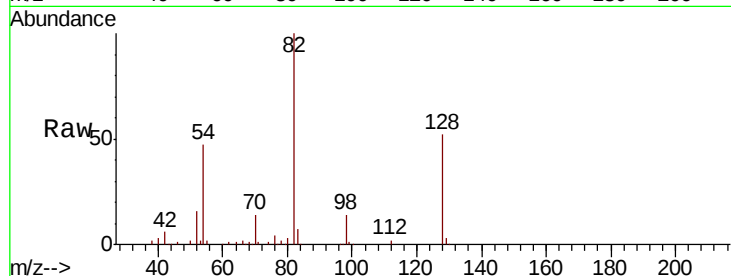




#19
n-Nitroso-di-n-propylamine
Concen: 15.630 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042644.D
Acq: 31 Aug 2019 22:54

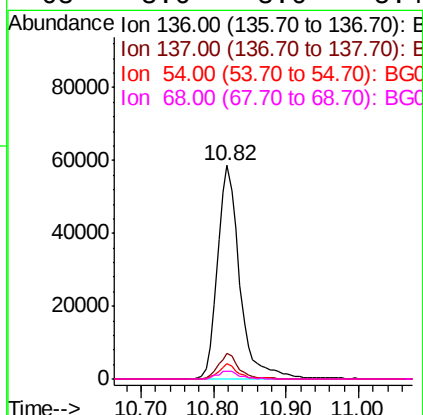
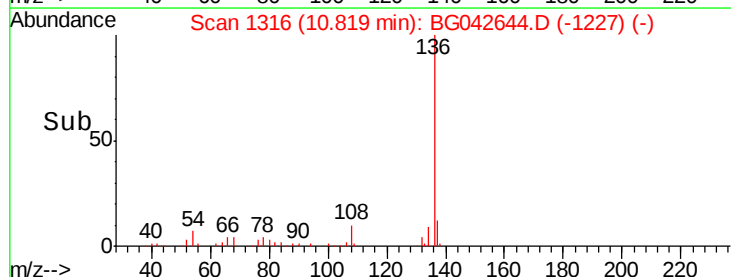
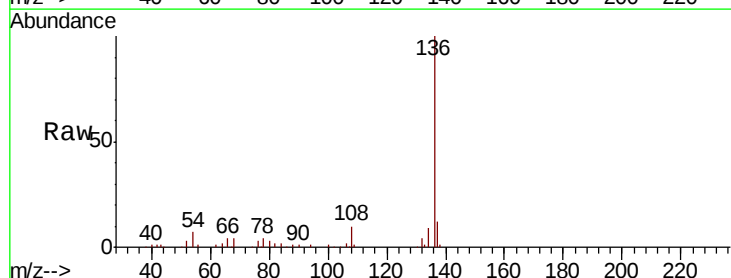
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 23422
Ion Ratio Lower Upper
70 100
42 42.5 38.8 58.2
101 0.0 9.0 13.6#
130 1.9 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: BG042644.D
Acq: 31 Aug 2019 22:54

Tgt Ion: 136 Resp: 125215
Ion Ratio Lower Upper
136 100
137 12.0 8.7 13.1
54 7.1 4.9 7.3
68 3.6 3.6 5.4#

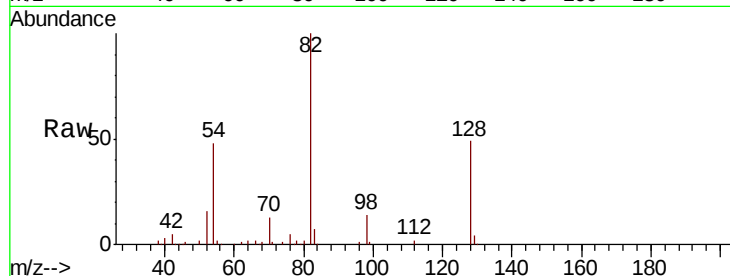




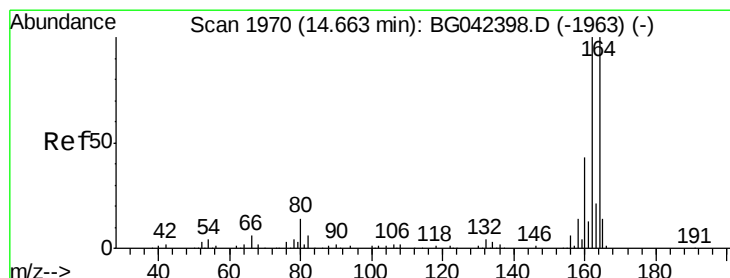
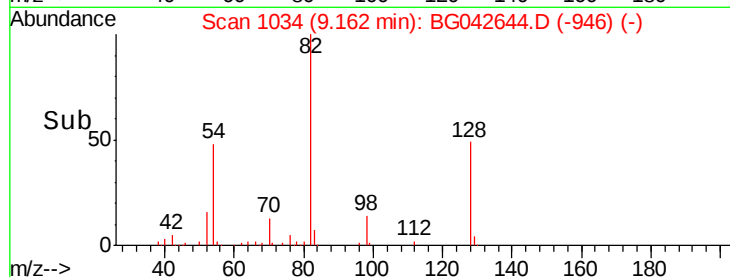
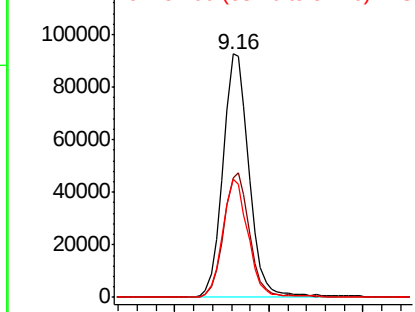
#23
Nitrobenzene-d5
Concen: 99.040 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042644.D
Acq: 31 Aug 2019 22:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 179458
Ion Ratio Lower Upper
82 100
128 49.3 40.7 61.1
54 48.3 36.3 54.5

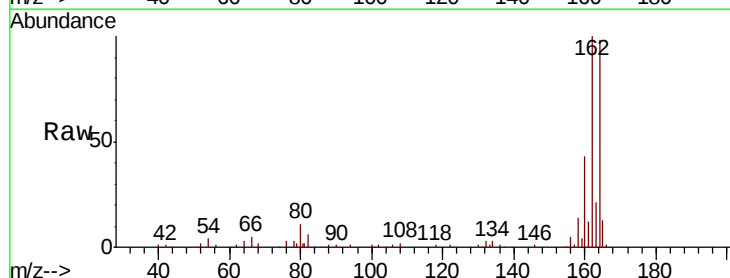


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

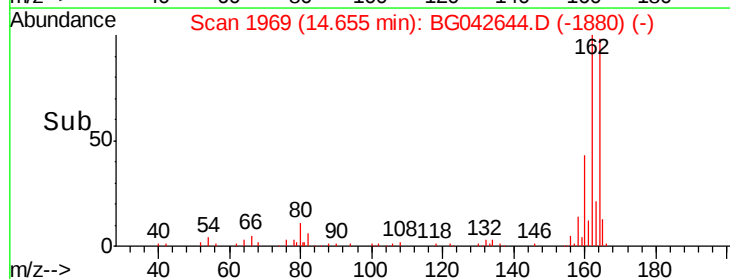
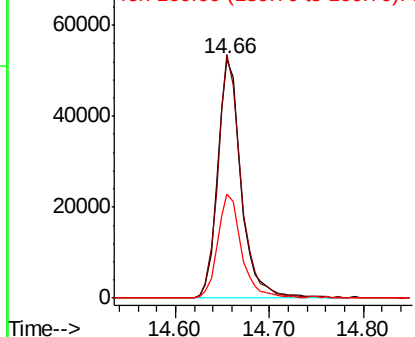


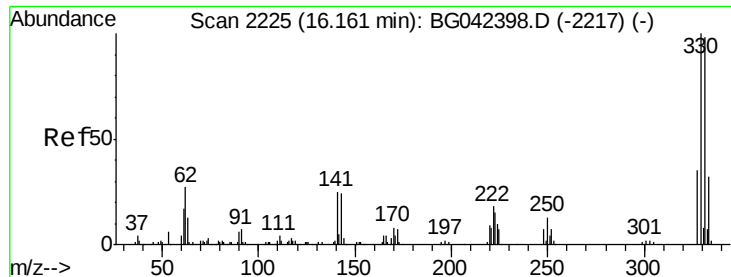
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042644.D
Acq: 31 Aug 2019 22:54

Tgt Ion:164 Resp: 91896
Ion Ratio Lower Upper
164 100
162 101.9 79.9 119.9
160 43.8 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: 147.622 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042644.D

Acq: 31 Aug 2019 22:54

Instrument :

BNA_G

ClientSampleId :

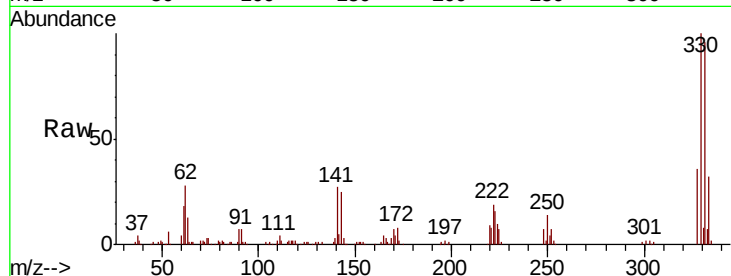
Tot Ion:330 Resp: 192816

Ion Ratio Lower Upper

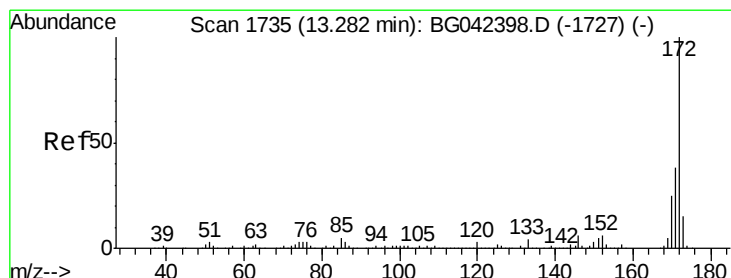
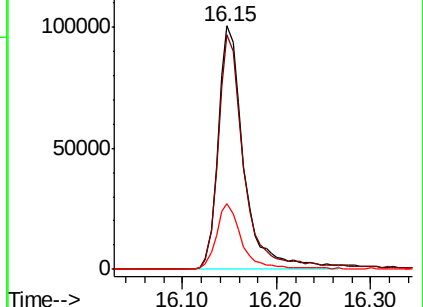
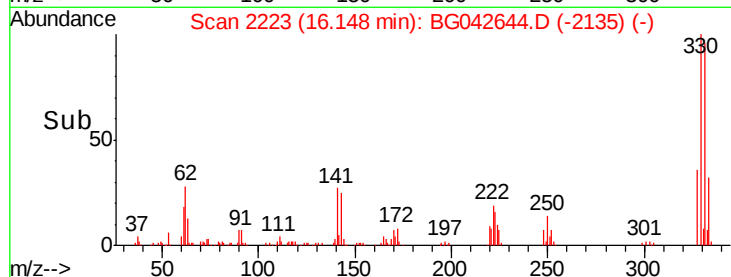
330 100

332 98.7 77.4 116.0

141 27.2 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: 106.281 ng

RT: 13.27 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042644.D

Acq: 31 Aug 2019 22:54

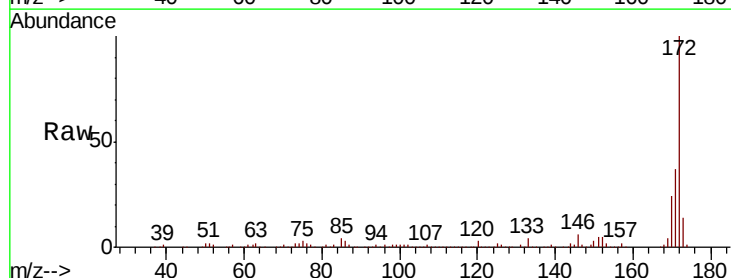
Tgt Ion:172 Resp: 577479

Ion Ratio Lower Upper

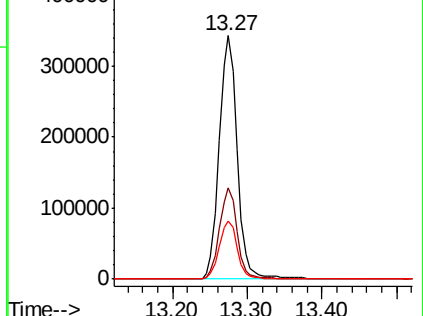
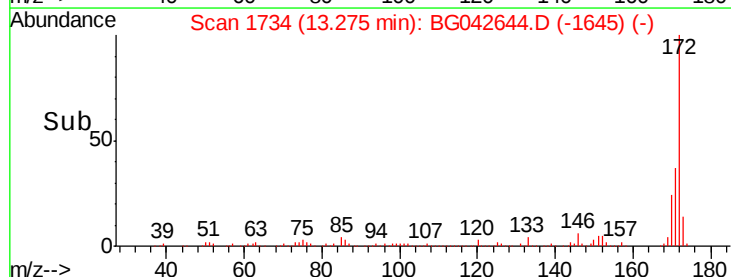
172 100

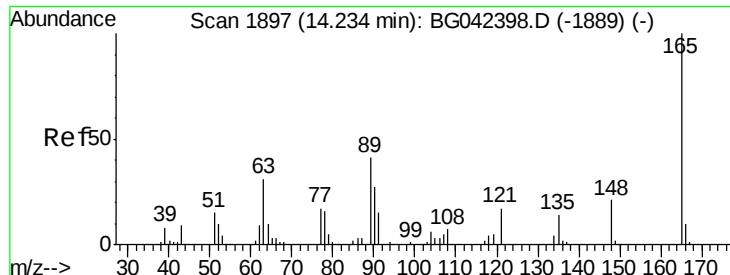
171 37.3 30.5 45.7

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

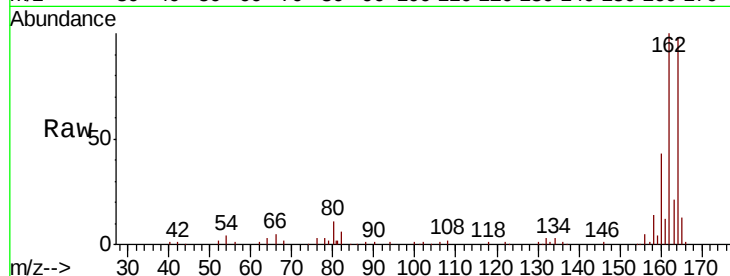




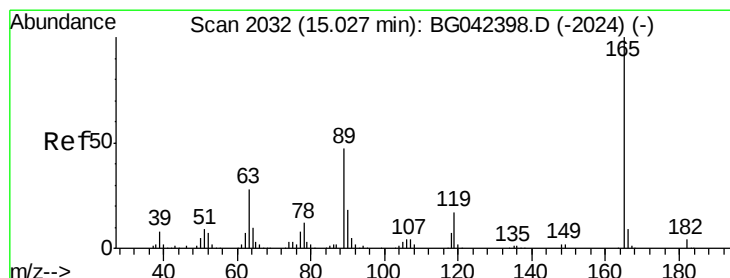
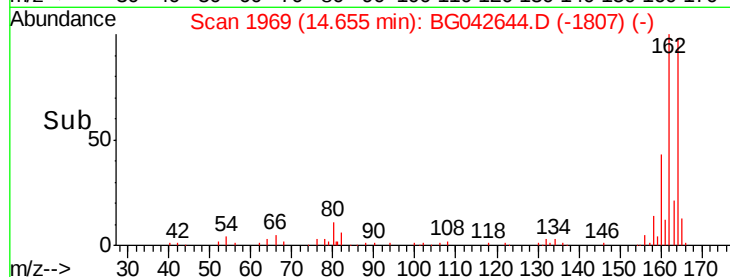
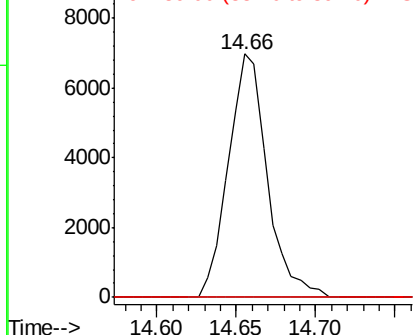
#51
 2,6-Dinitrotoluene
 Concen: 7.729 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042644.D
 Acq: 31 Aug 2019 22:54

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#



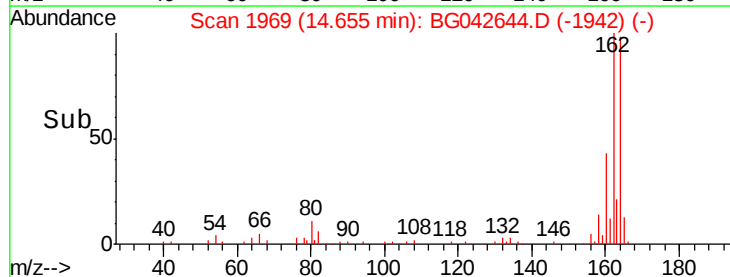
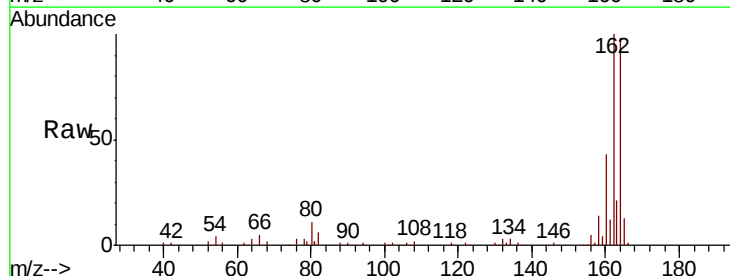
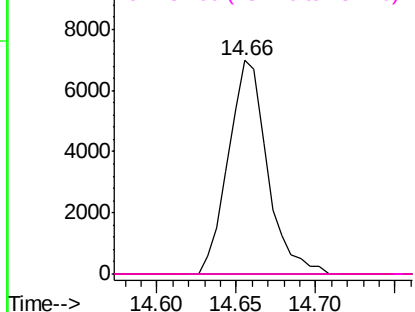
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.397 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042644.D
 Acq: 31 Aug 2019 22:54

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#

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

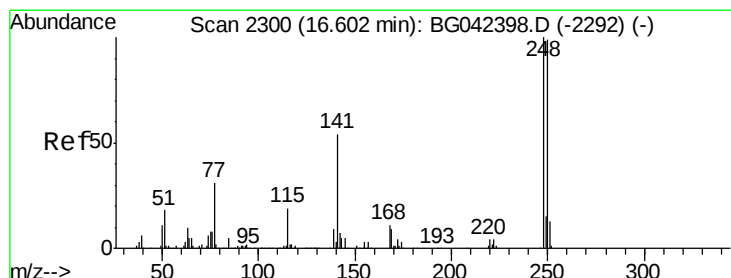
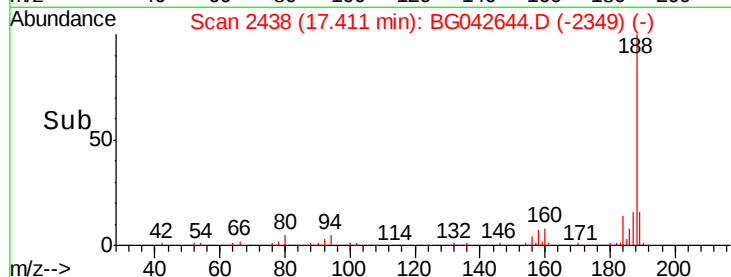
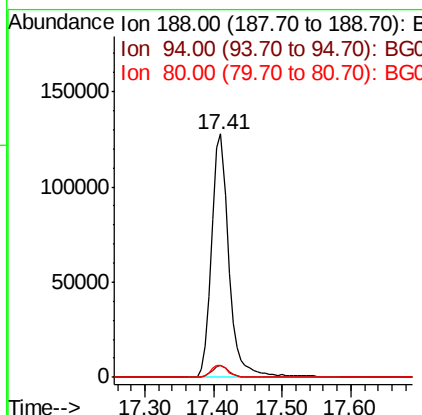
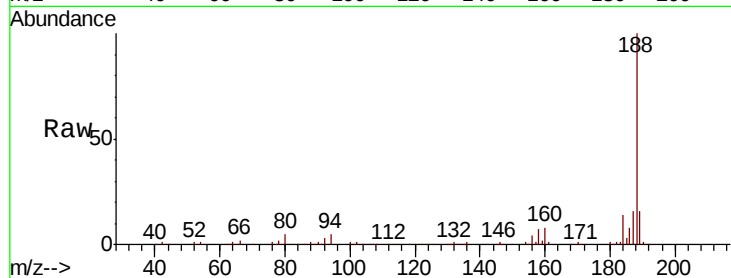




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042644.D
 Acq: 31 Aug 2019 22:54

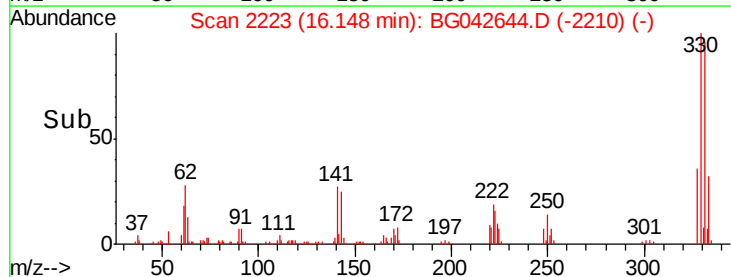
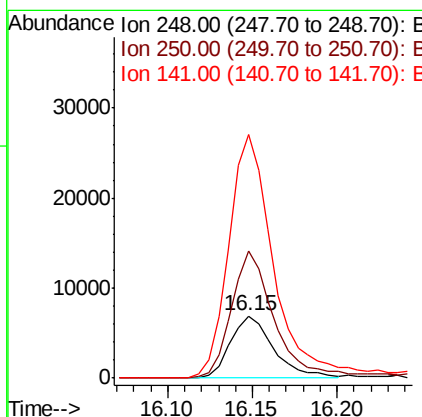
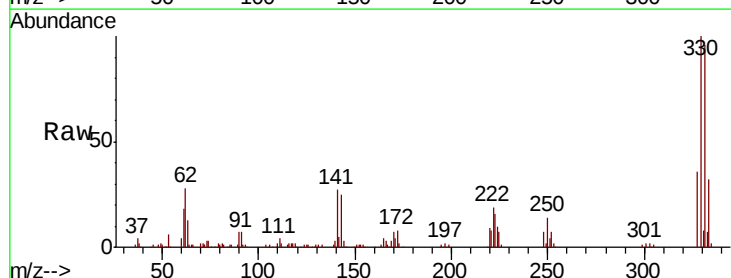
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	5.1	4.5	6.7
80	5.0	4.9	7.3



#67
 4-Bromophenyl-phenylether
 Concen: 4.347 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042644.D
 Acq: 31 Aug 2019 22:54

Tgt Ion	Ratio	Lower	Upper
248	100		
250	203.4	78.9	118.3#
141	390.7	43.3	64.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042644.D

Acq: 31 Aug 2019 22:54

Instrument :

BNA_G

ClientSampleId :

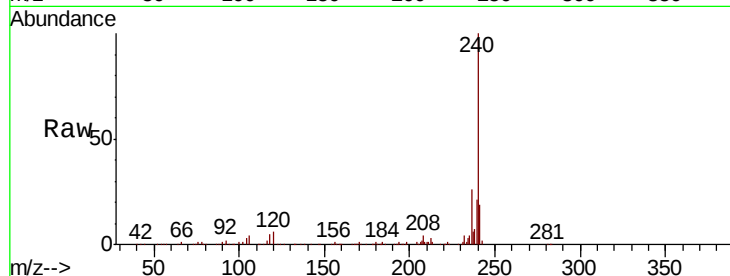
Tot Ion:240 Resp: 245424

Ion Ratio Lower Upper

240 100

120 5.9 5.7 8.5

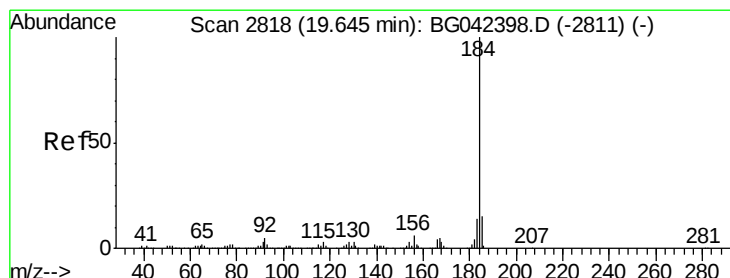
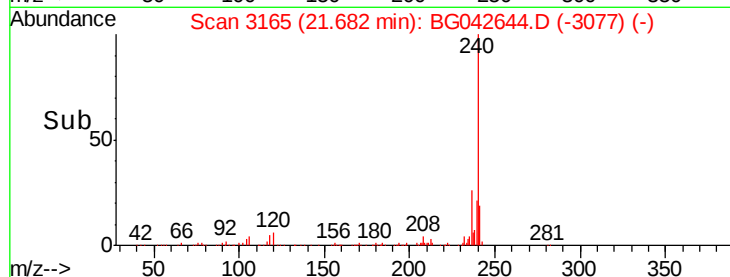
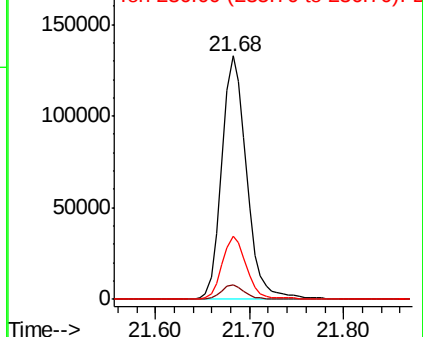
236 26.0 21.0 31.4



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: 2.084 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.37 min

Lab File: BG042644.D

Acq: 31 Aug 2019 22:54

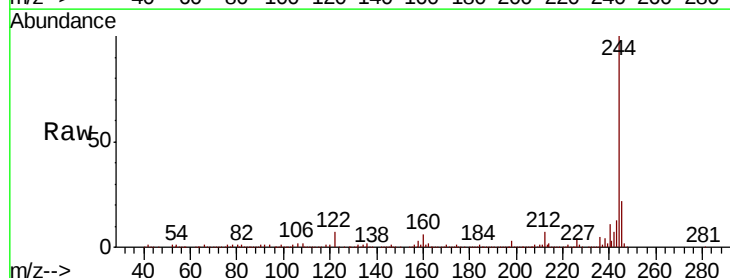
Tgt Ion:184 Resp: 14663

Ion Ratio Lower Upper

184 100

185 16.6 12.2 18.4

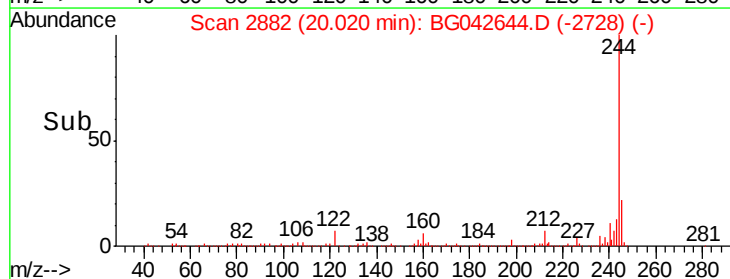
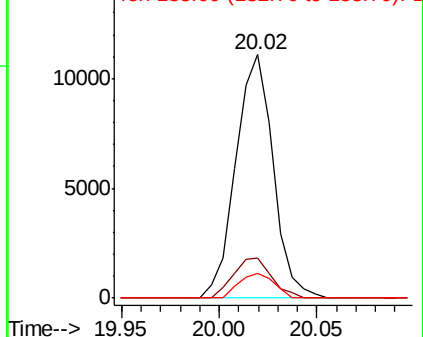
183 10.0 10.8 16.2#

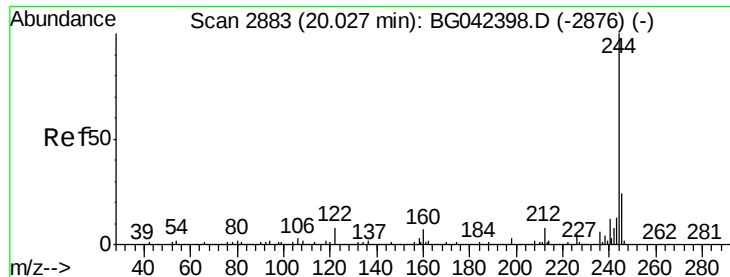


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 104.755 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042644.D

Acq: 31 Aug 2019 22:54

Instrument :

BNA_G

ClientSampled :

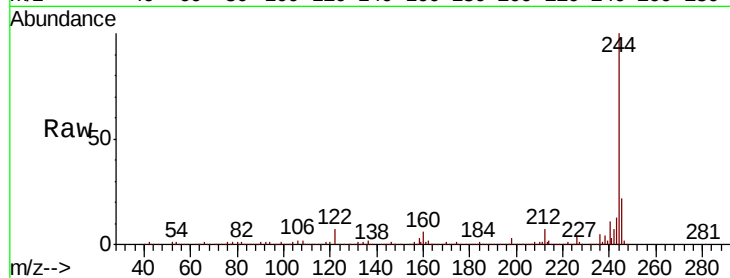
Tot Ion:244 Resp: 1189193

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

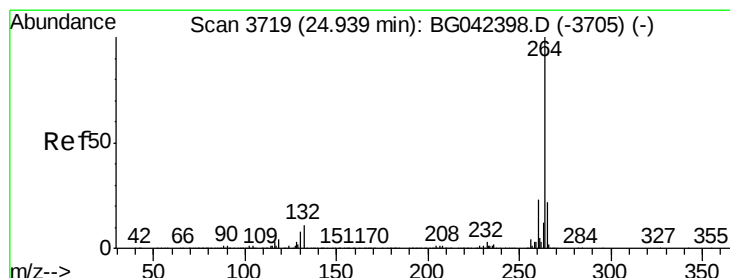
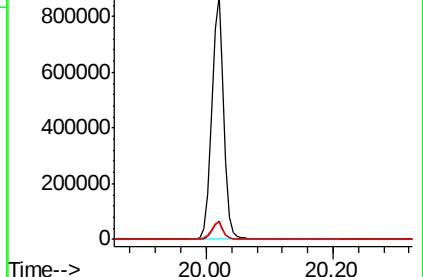
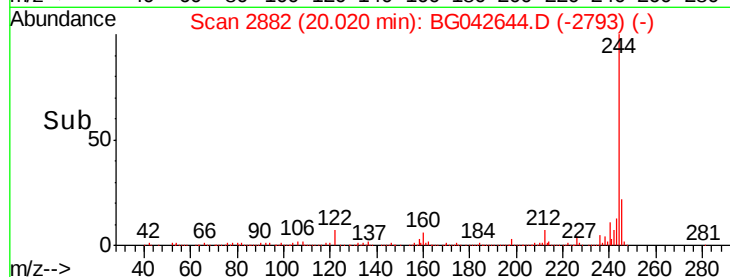
122 6.9 6.7 10.1



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: BG042644.D

Acq: 31 Aug 2019 22:54

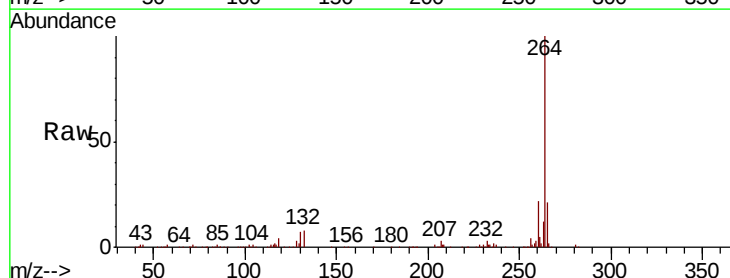
Tgt Ion:264 Resp: 287576

Ion Ratio Lower Upper

264 100

260 22.5 18.5 27.7

265 21.2 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

