

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042355.D
 Acq On : 20 Aug 2019 12:35
 Operator : HP/JU
 Sample : k4387-29
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 03:21:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

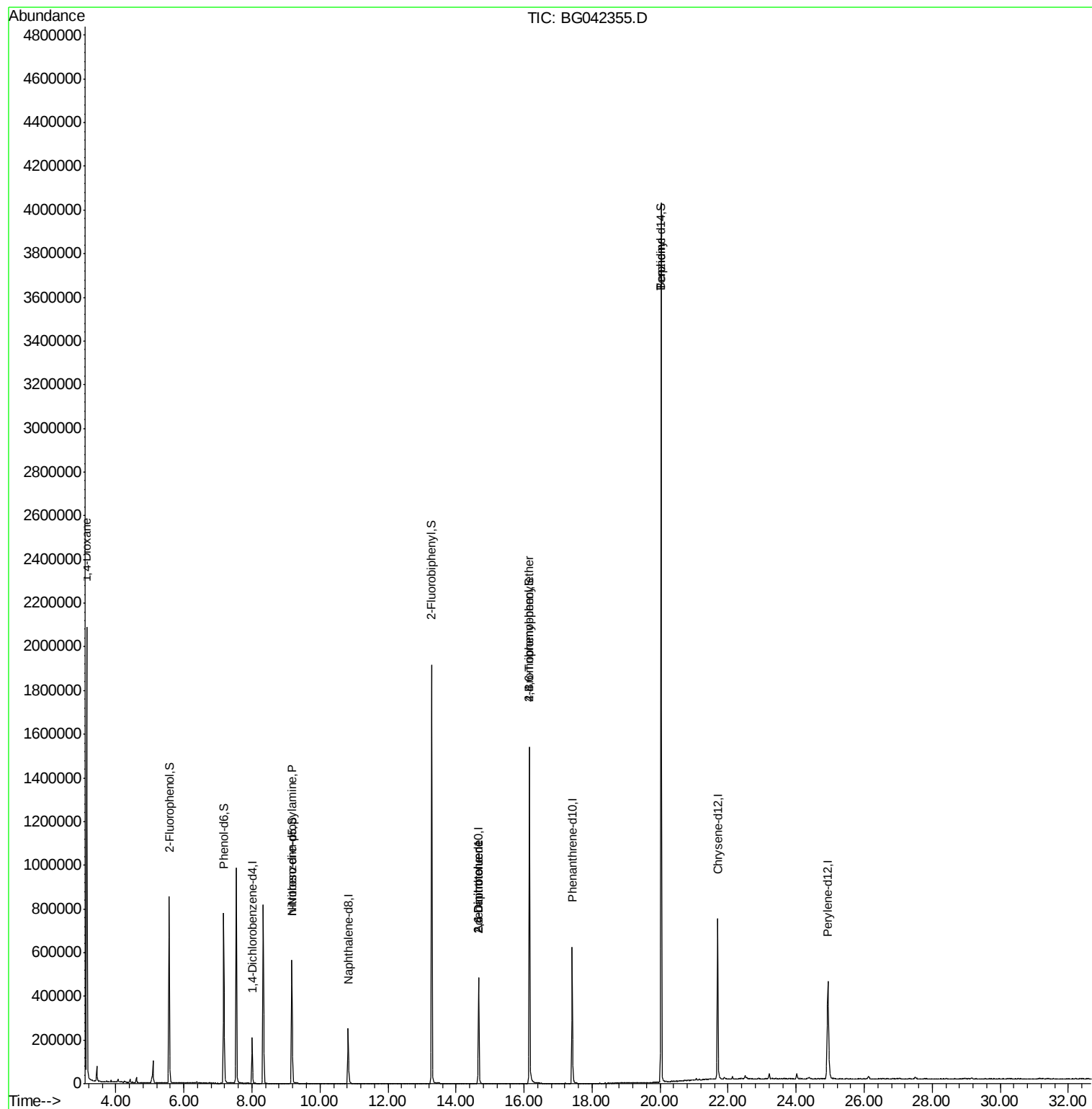
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	69787	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	269897	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	196459	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	451816	20.00	ng	0.00
76) Chrysene-d12	21.69	240	464971	20.00	ng	0.00
87) Perylene-d12	24.93	264	533931	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	437048	126.89	ng	0.00
7) Phenol-d6	7.17	99	539135	115.25	ng	0.00
23) Nitrobenzene-d5	9.17	82	373640	97.37	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	375139	140.20	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1106924	95.34	ng	0.00
79) Terphenyl-d14	20.03	244	1965771	92.60	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	21581	14.529	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	47784	15.881	ng	# 73
51) 2,6-Dinitrotoluene	14.66	165	26001	7.958	ng	# 40
57) 2,4-Dinitrotoluene	14.66	165	26001	5.692	ng	# 37
67) 4-Bromophenyl-phenylether	16.16	248	26160	4.550	ng	# 1
77) Benzidine	20.03	184	27808	2.256	ng	# 93

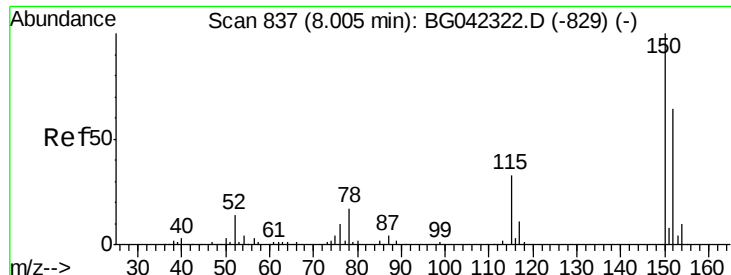
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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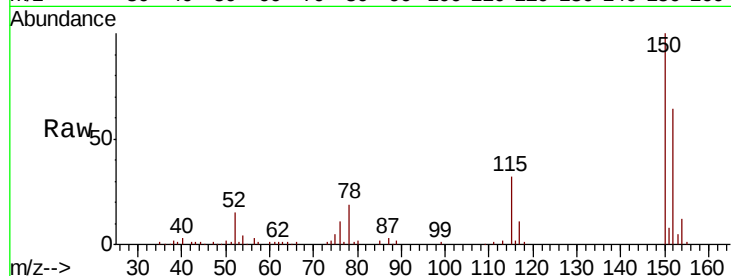


#1

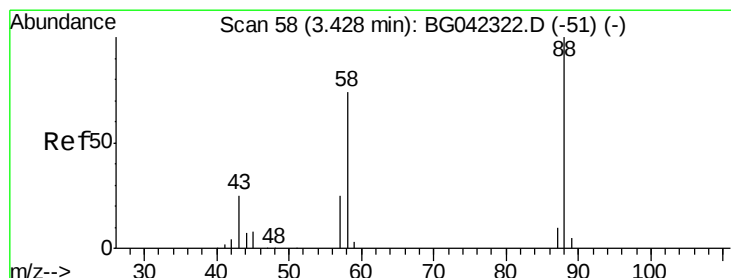
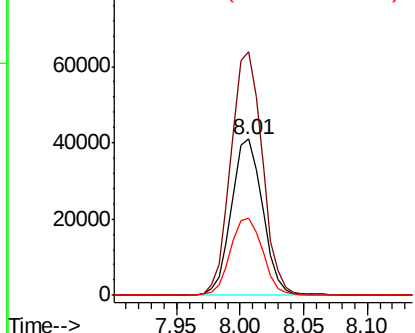
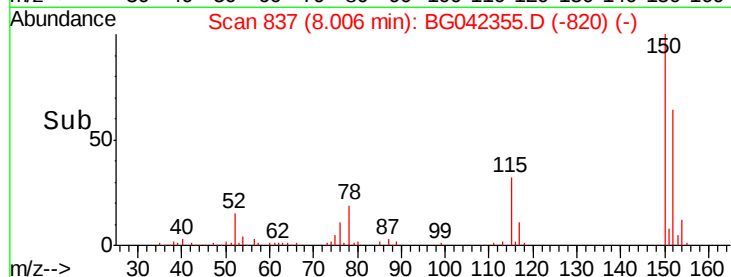
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BG042355.D
 Acq: 20 Aug 2019 12:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 69787
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.3 186.5
 115 49.8 40.5 60.7



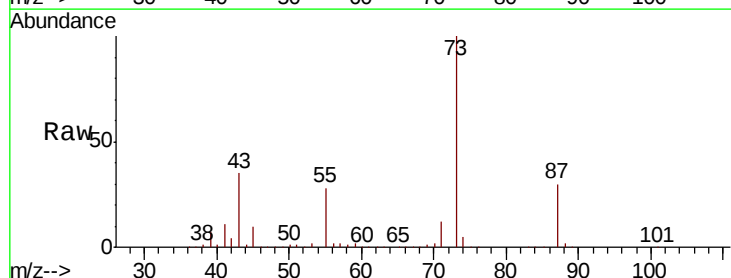
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



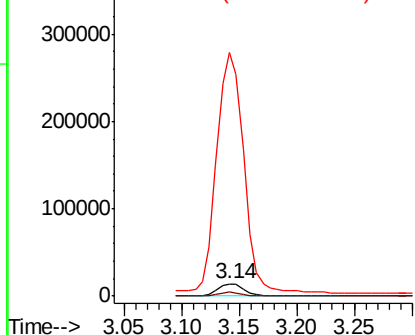
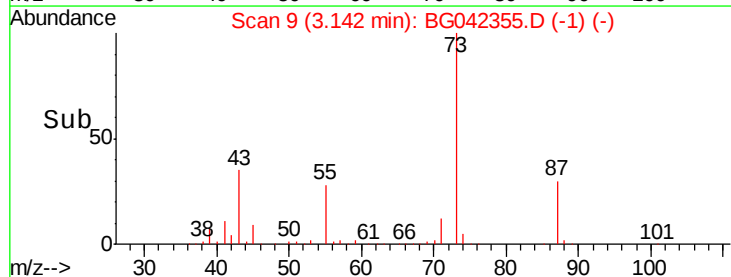
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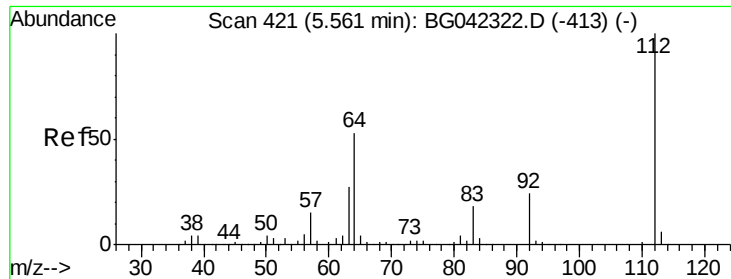
1,4-Dioxane
 Concen: 14.529 ng
 RT: 3.14 min Scan# 9
 Delta R.T. -0.29 min
 Lab File: BG042355.D
 Acq: 20 Aug 2019 12:35

Tgt Ion: 88 Resp: 21581
 Ion Ratio Lower Upper
 88 100
 58 26.8 58.6 88.0#
 43 2099.7 19.4 29.0#



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: 126.886 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Instrument :

BNA_G

ClientSampleId :

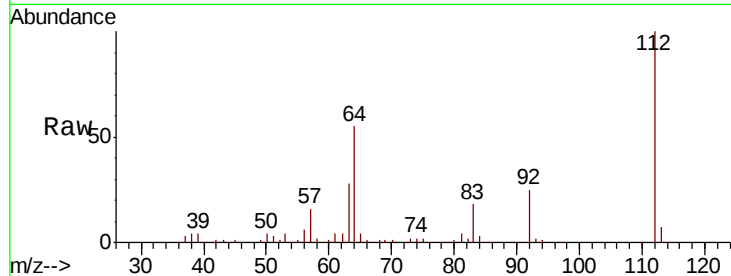
Tot Ion:112 Resp: 437048

Ion Ratio Lower Upper

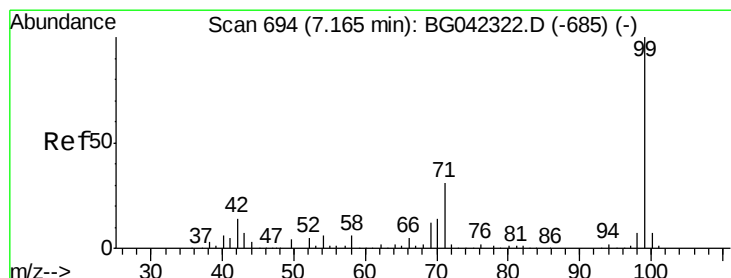
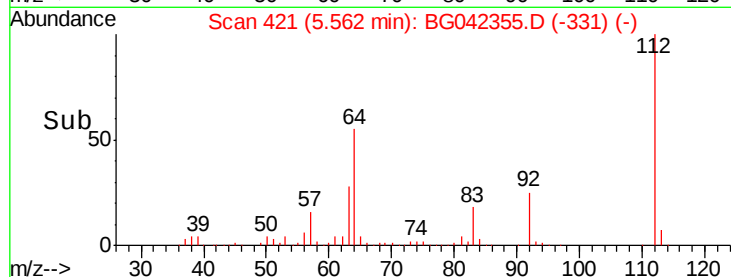
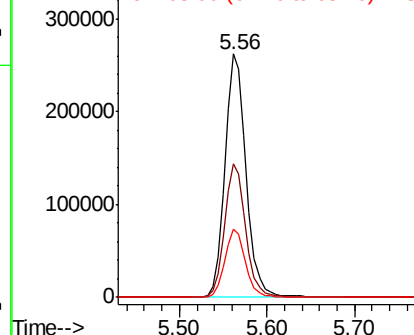
112 100

64 54.8 42.5 63.7

63 28.3 21.7 32.5



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: 115.251 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

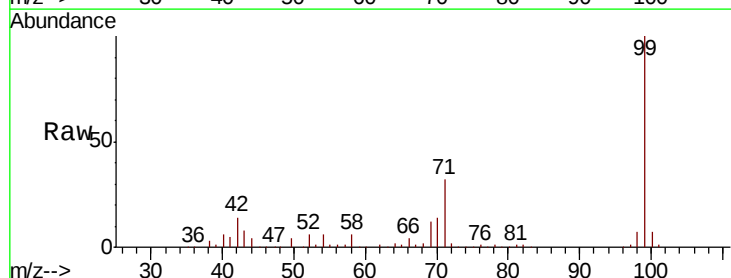
Tgt Ion: 99 Resp: 539135

Ion Ratio Lower Upper

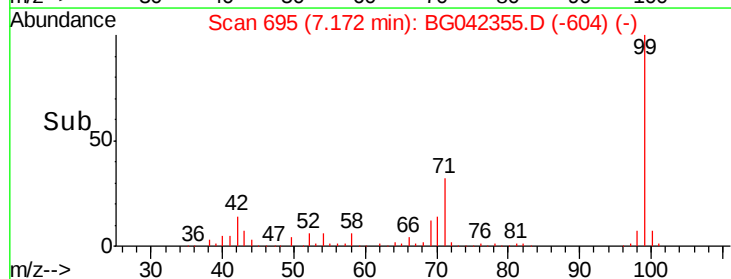
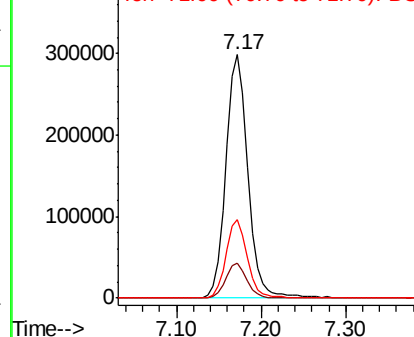
99 100

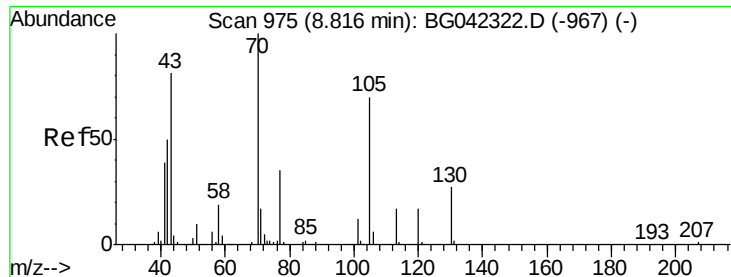
42 14.2 11.4 17.0

71 32.1 25.1 37.7



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

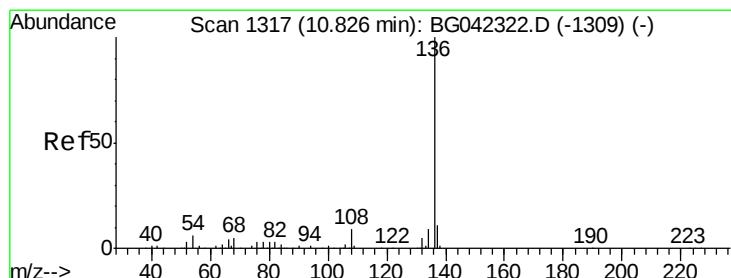
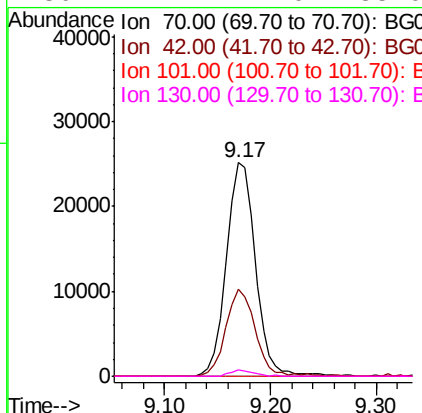
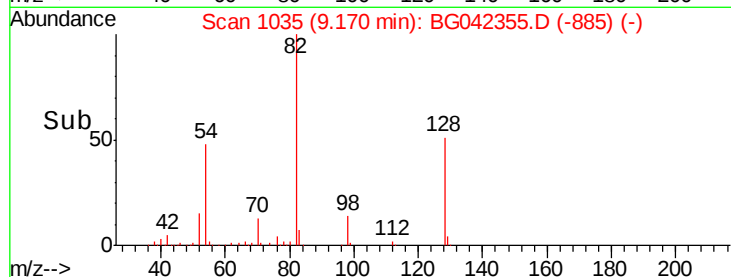
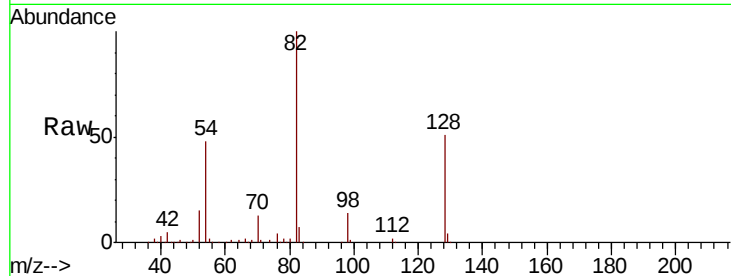




#19
n-Nitroso-di-n-propylamine
Concen: 15.881 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042355.D
Acq: 20 Aug 2019 12:35

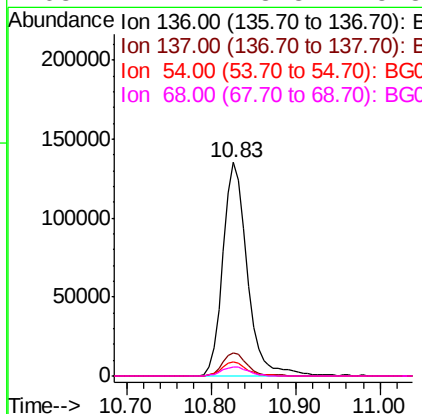
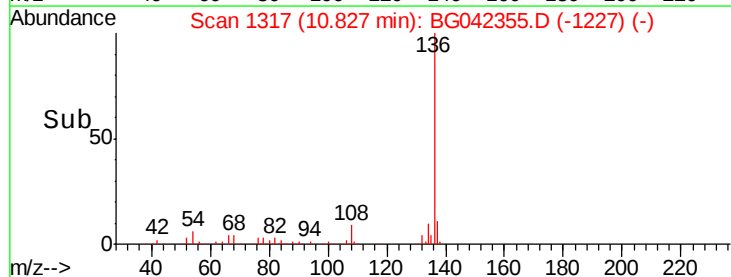
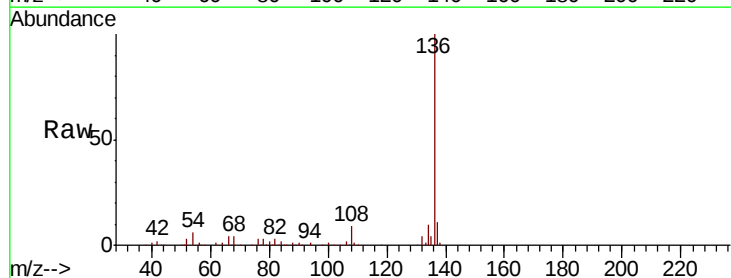
Instrument :
BNA_G
ClientSampleId :

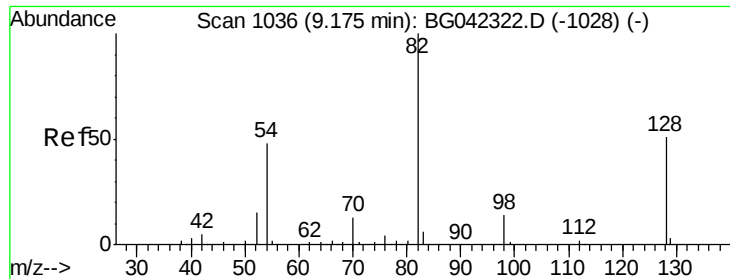
Tot Ion: 70 Resp: 47784
Ion Ratio Lower Upper
70 100
42 40.6 40.5 60.7
101 0.0 9.3 13.9#
130 2.7 22.0 33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042355.D
Acq: 20 Aug 2019 12:35

Tgt Ion: 136 Resp: 269897
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 6.3 5.0 7.4
68 4.2 3.8 5.8

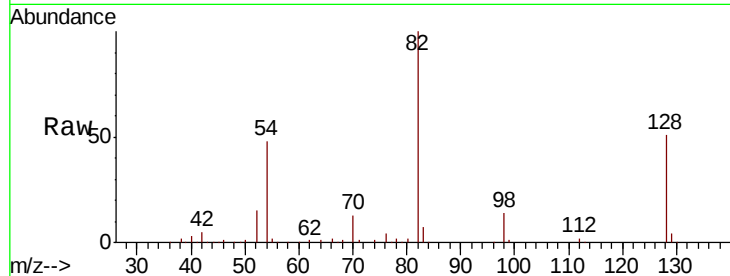




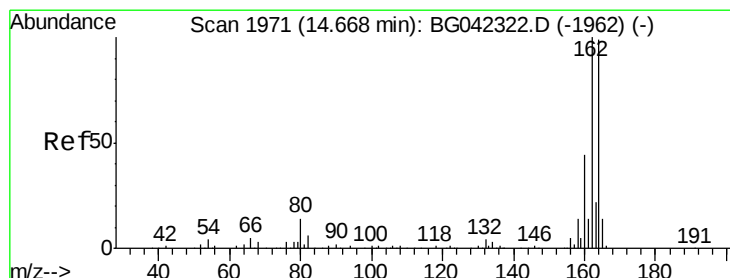
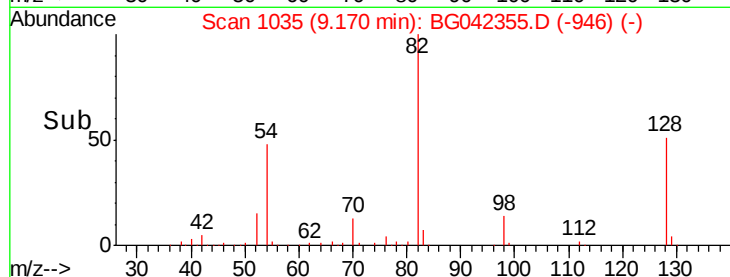
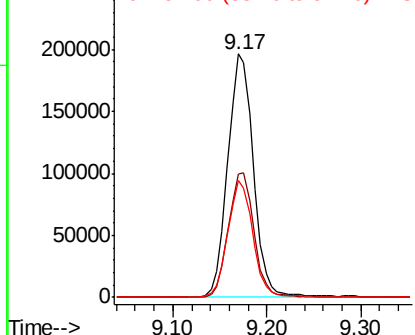
#23
Nitrobenzene-d5
Concen: 97.368 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042355.D
Acq: 20 Aug 2019 12:35

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 373640
Ion Ratio Lower Upper
82 100
128 50.5 41.0 61.4
54 48.1 38.0 57.0

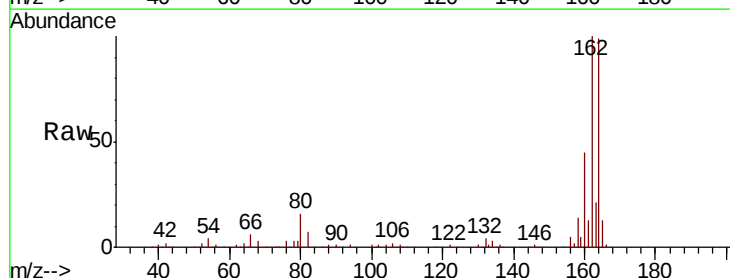


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

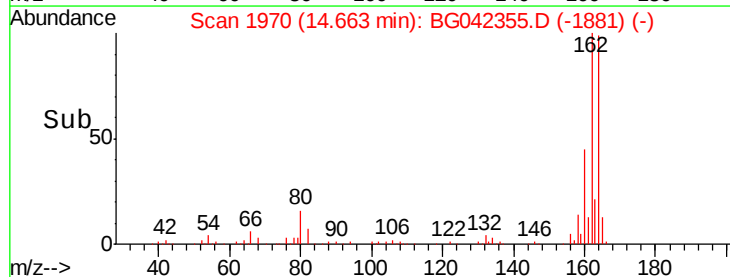
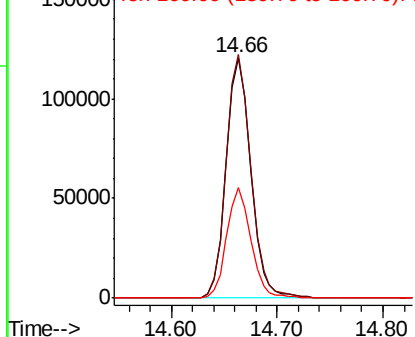


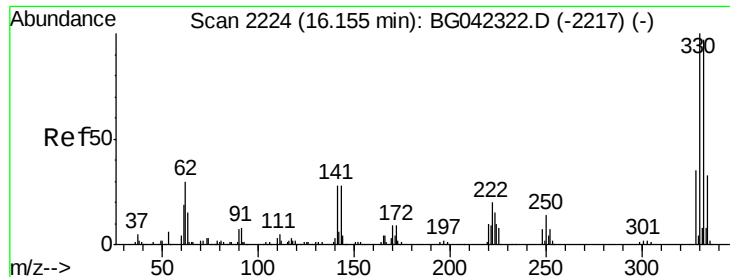
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042355.D
Acq: 20 Aug 2019 12:35

Tgt Ion:164 Resp: 196459
Ion Ratio Lower Upper
164 100
162 101.4 80.6 120.8
160 46.0 35.7 53.5



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: 140.201 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Instrument :

BNA_G

ClientSampleId :

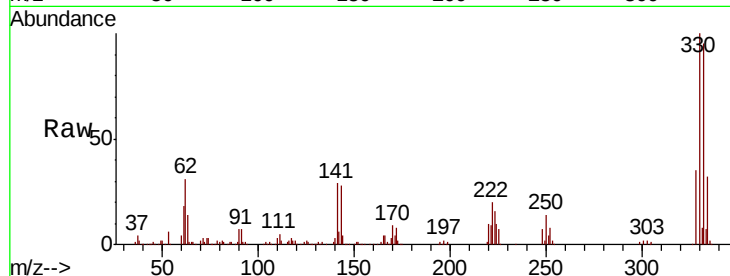
Tot Ion:330 Resp: 375139

Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

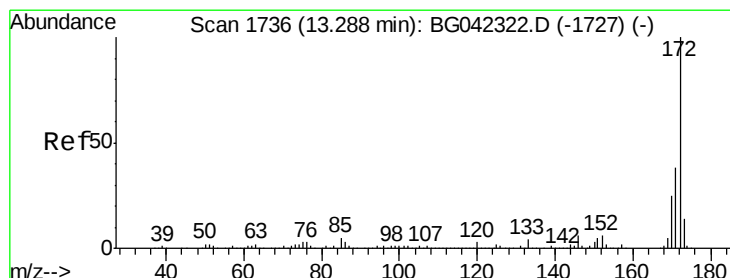
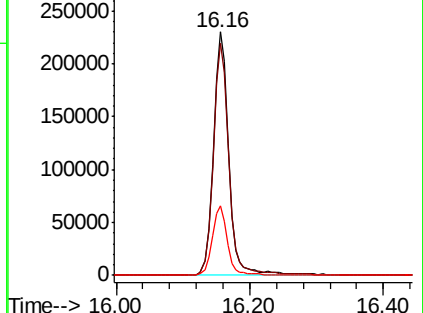
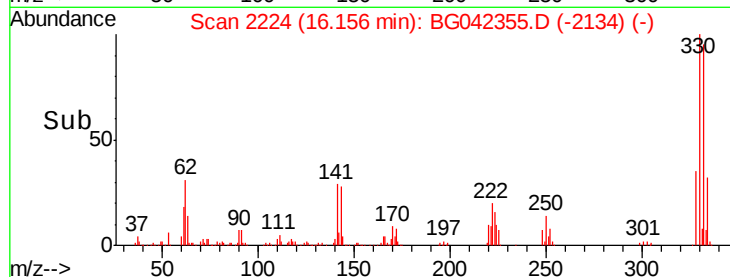
141 28.4 21.8 32.6



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: 95.343 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

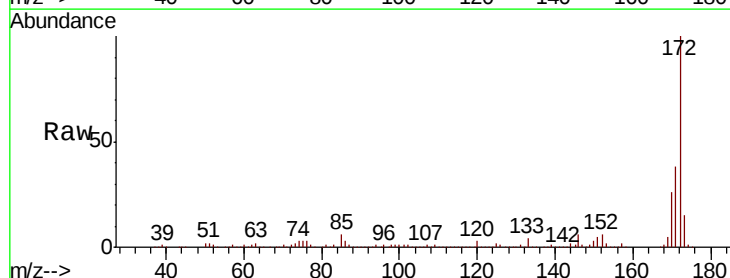
Tgt Ion:172 Resp: 1106924

Ion Ratio Lower Upper

172 100

171 37.9 30.3 45.5

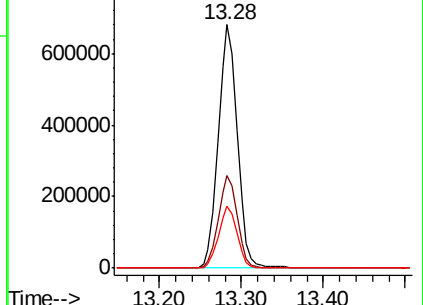
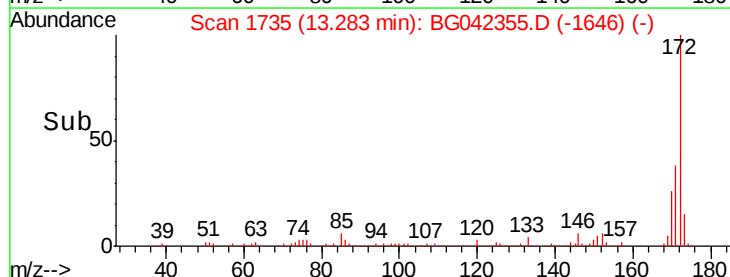
170 25.5 20.0 30.0

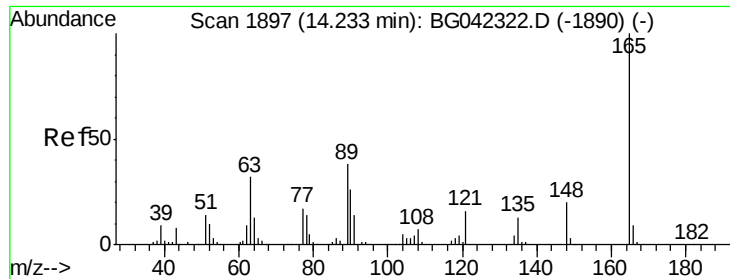


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

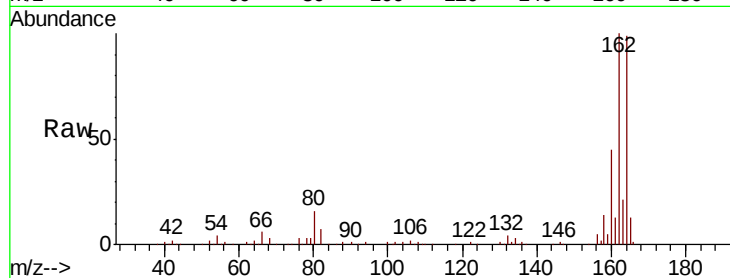




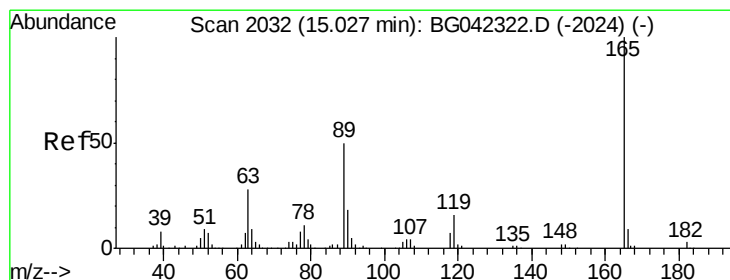
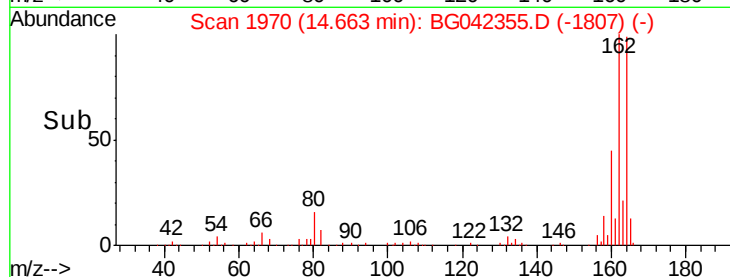
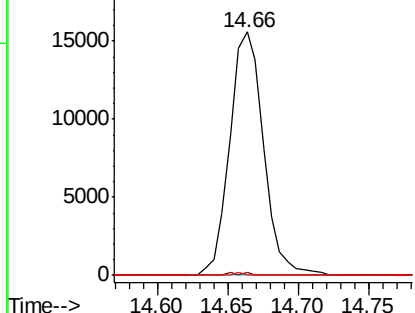
#51
 2,6-Dinitrotoluene
 Concen: 7.958 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042355.D
 Acq: 20 Aug 2019 12:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.2	42.2#
89	0.0	30.0	45.0#



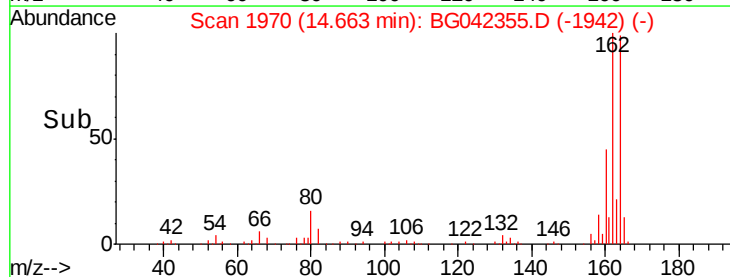
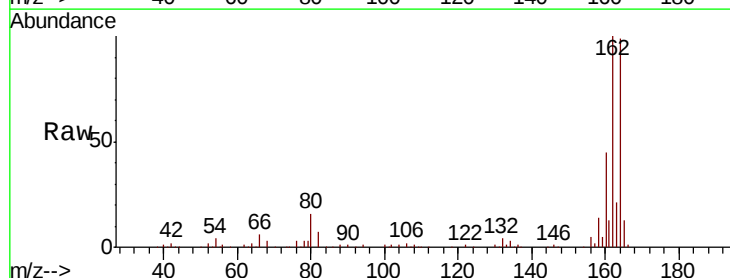
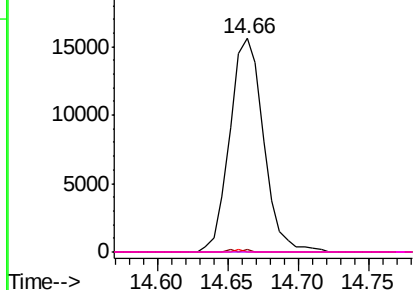
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

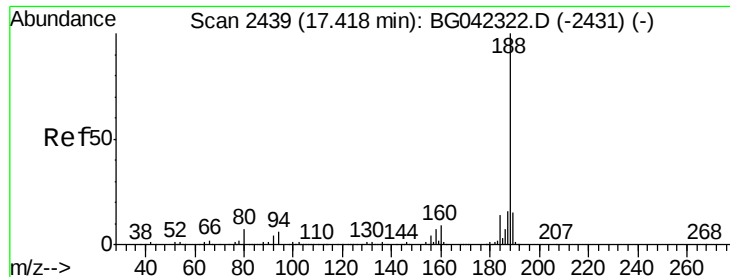


#57
 2,4-Dinitrotoluene
 Concen: 5.692 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042355.D
 Acq: 20 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	22.4	33.6#
89	0.0	40.2	60.2#
182	0.0	2.6	3.8#

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. -0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Instrument :

BNA_G

ClientSampleId :

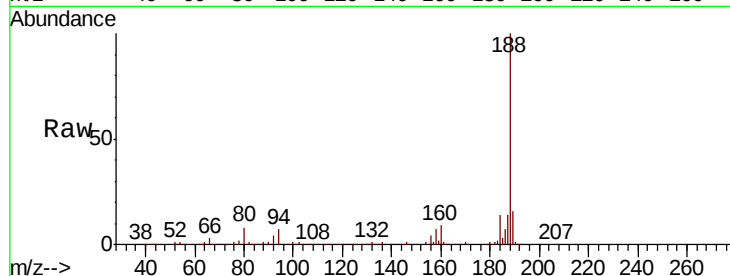
Tot Ion:188 Resp: 451816

Ion Ratio Lower Upper

188 100

94 7.1 4.9 7.3

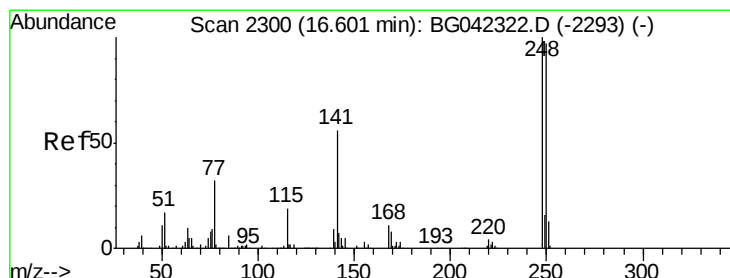
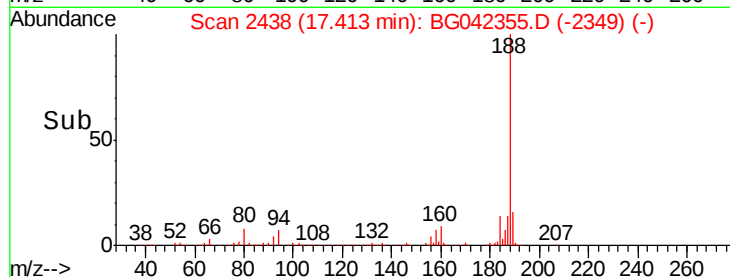
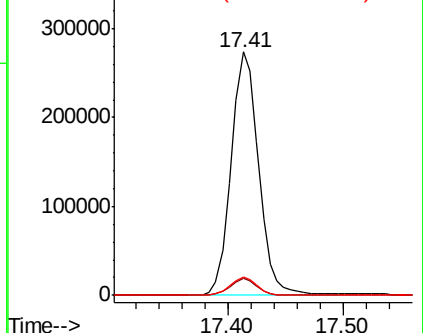
80 7.6 5.4 8.0



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: 4.550 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

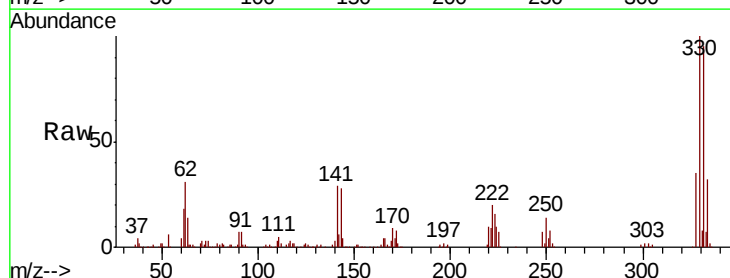
Tgt Ion:248 Resp: 26160

Ion Ratio Lower Upper

248 100

250 190.8 78.0 117.0#

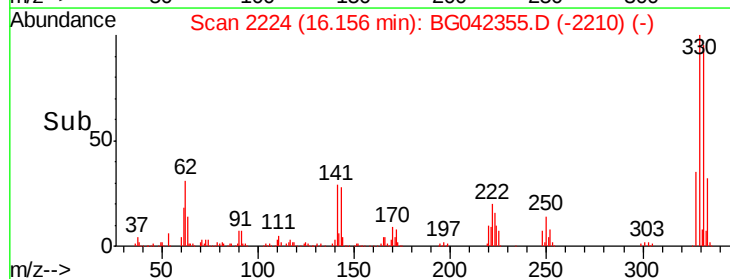
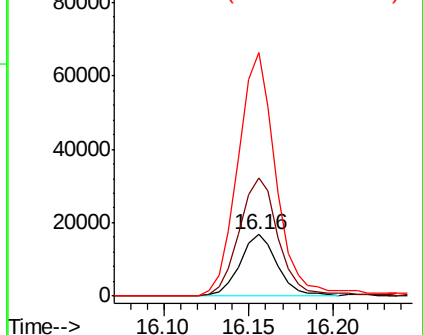
141 394.6 44.9 67.3#

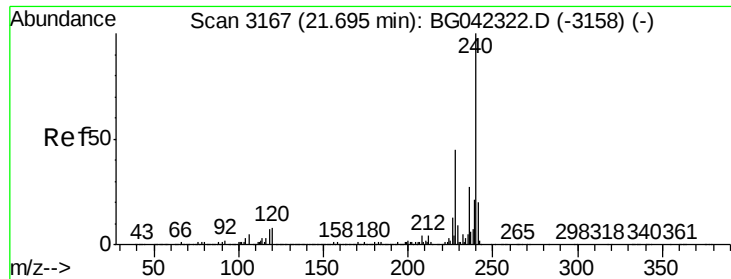


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

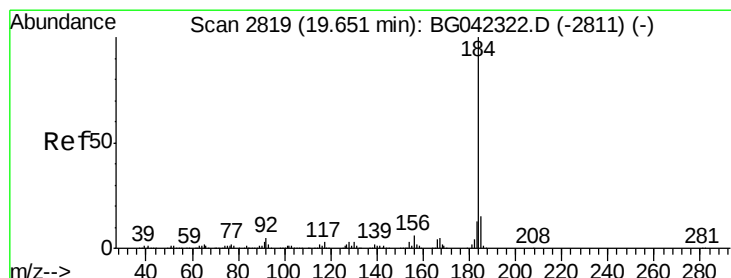
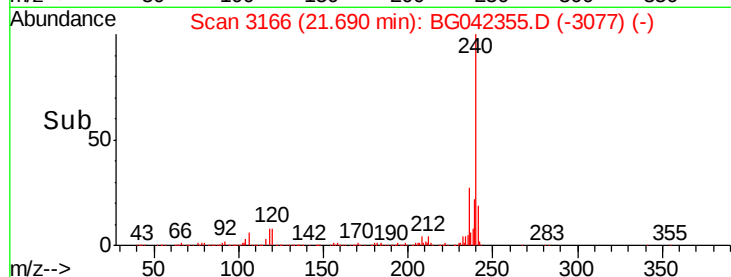
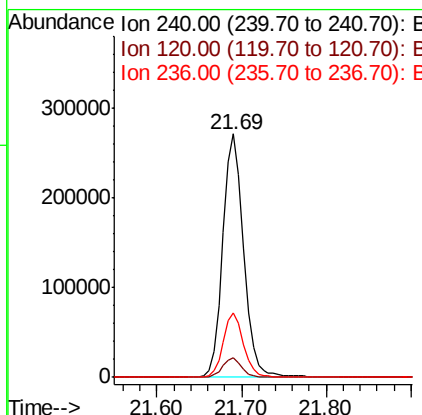
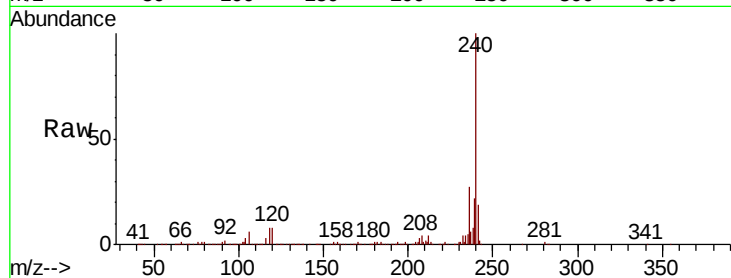




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BG042355.D
Acq: 20 Aug 2019 12:35

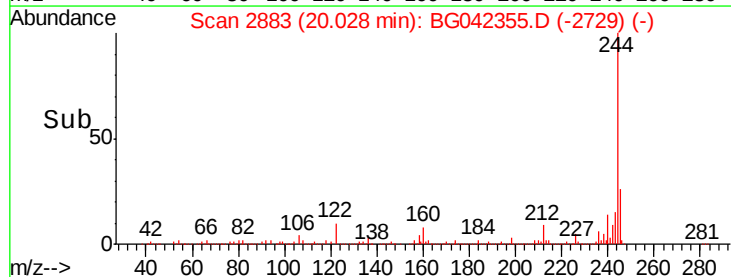
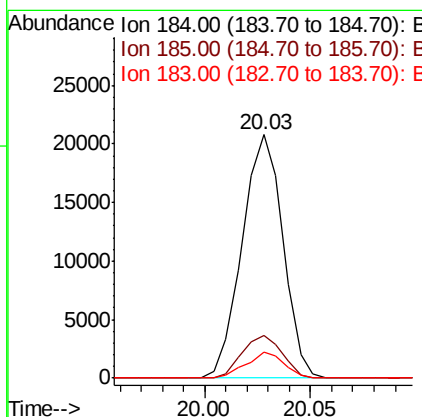
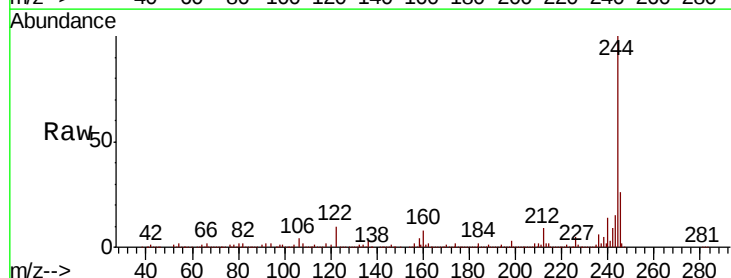
Instrument :
BNA_G
ClientSampleId :

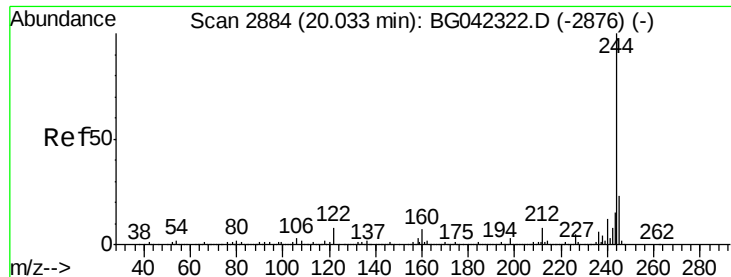
Tot Ion:240 Resp: 464971
Ion Ratio Lower Upper
240 100
120 8.0 6.0 9.0
236 26.7 21.6 32.4



#77
Benzidine
Concen: 2.256 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG042355.D
Acq: 20 Aug 2019 12:35

Tgt Ion:184 Resp: 27808
Ion Ratio Lower Upper
184 100
185 17.3 11.8 17.6
183 10.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 92.599 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

Instrument :

BNA_G

ClientSampleId :

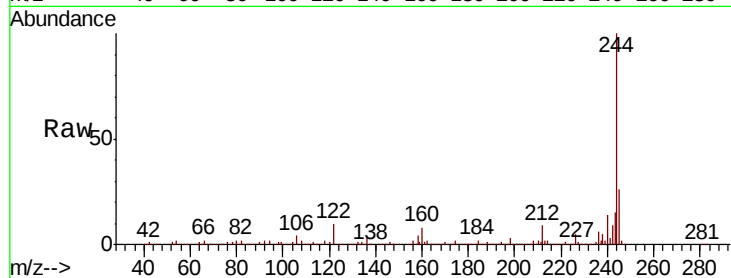
Tot Ion:244 Resp: 1965771

Ion Ratio Lower Upper

244 100

212 8.9 6.4 9.6

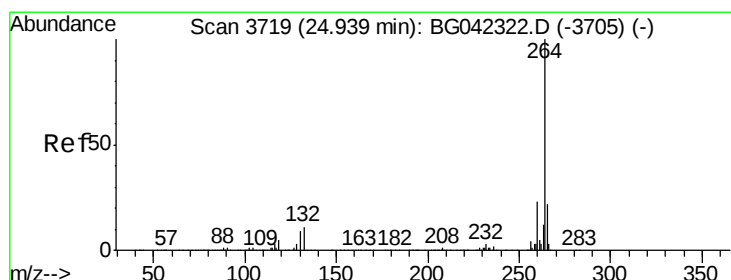
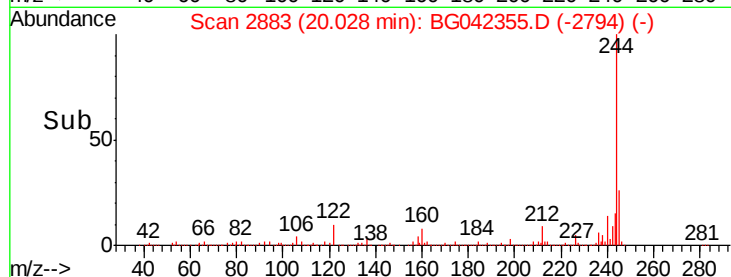
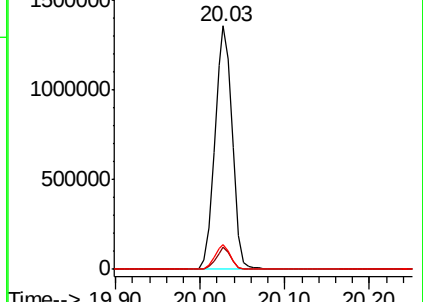
122 10.1 6.6 10.0#



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: 24.93 min Scan# 3718

Delta R.T. -0.00 min

Lab File: BG042355.D

Acq: 20 Aug 2019 12:35

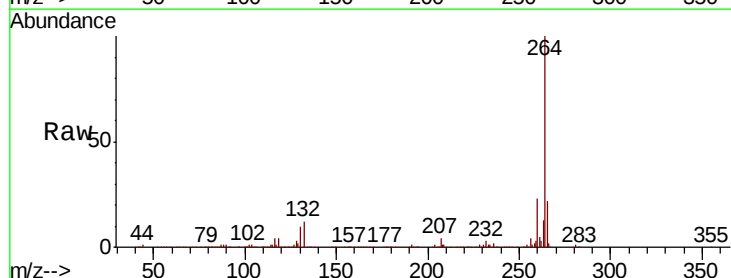
Tgt Ion:264 Resp: 533931

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 21.6 17.4 26.0



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

