

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042357.D
 Acq On : 20 Aug 2019 13:52
 Operator : HP/JU
 Sample : k4388-33
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 03:21:43 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	61538	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	235510	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	170821	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	387476	20.00	ng	0.00
76) Chrysene-d12	21.69	240	397790	20.00	ng	0.00
87) Perylene-d12	24.93	264	459255	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	429649	141.46	ng	0.00
7) Phenol-d6	7.17	99	522623	126.70	ng	0.00
23) Nitrobenzene-d5	9.17	82	366377	109.42	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	358842	154.24	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1124263	111.37	ng	0.00
79) Terphenyl-d14	20.03	244	1863947	102.63	ng	0.00

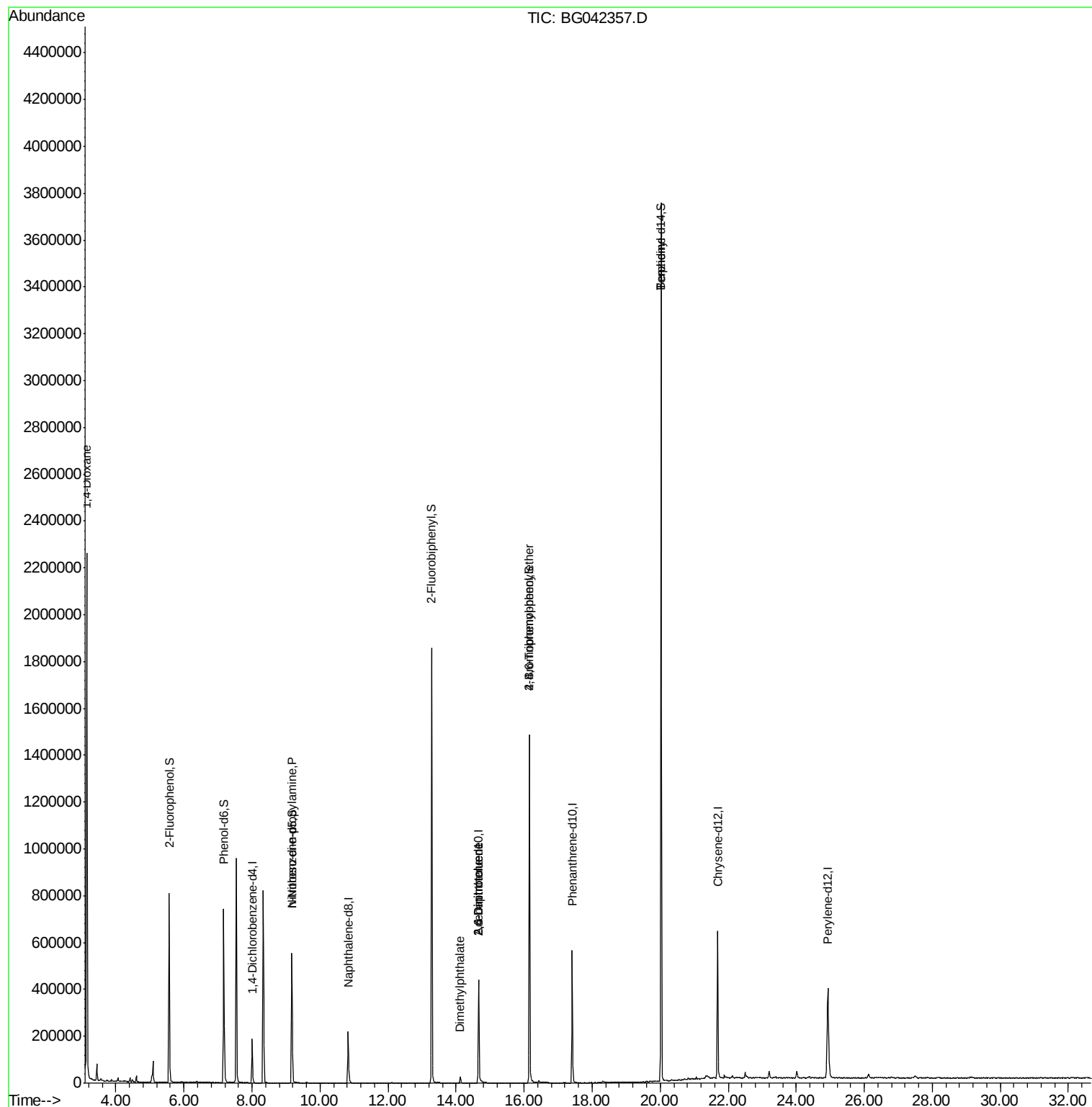
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	26679	20.368	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	46497	17.525	ng	# 71
50) Dimethylphthalate	14.12	163	33384	2.750	ng	# 96
51) 2,6-Dinitrotoluene	14.66	165	23125	8.140	ng	# 39
57) 2,4-Dinitrotoluene	14.66	165	23127	5.823	ng	# 37
67) 4-Bromophenyl-phenylether	16.15	248	25345	5.140	ng	# 1
77) Benzidine	20.03	184	26364	2.500	ng	# 92

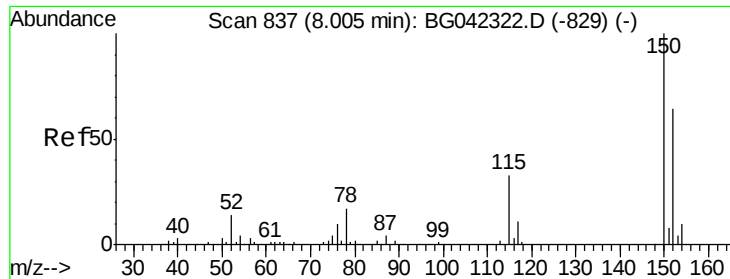
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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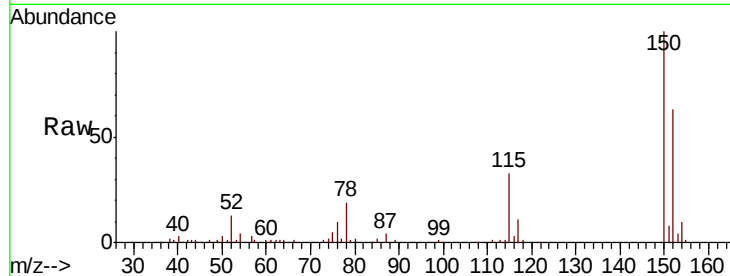


#1

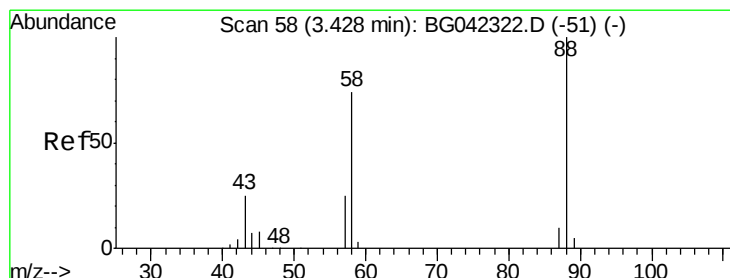
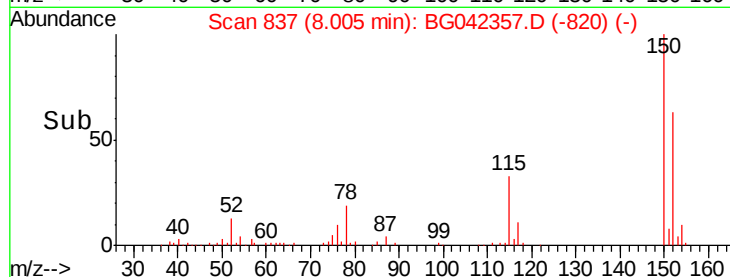
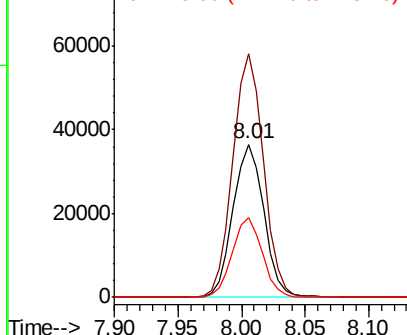
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 61538
 Ion Ratio Lower Upper
 152 100
 150 159.2 124.3 186.5
 115 52.4 40.5 60.7



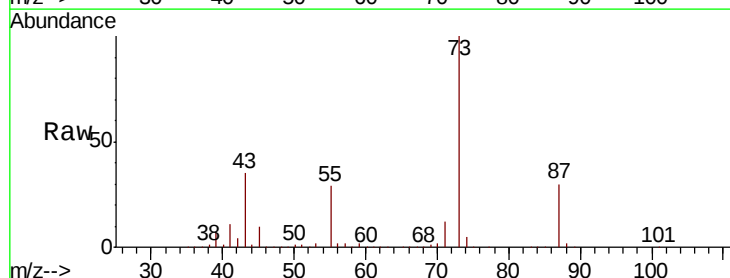
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



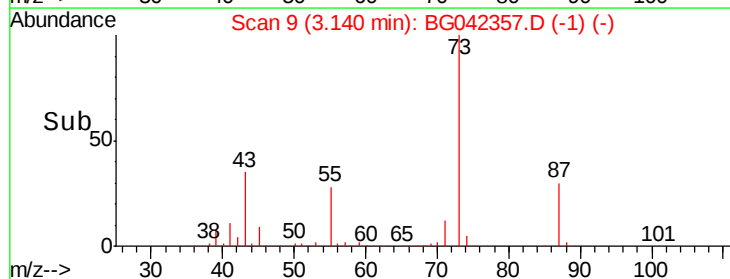
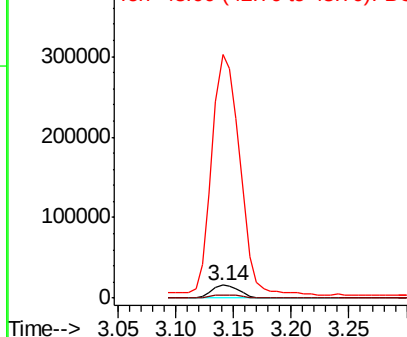
#2

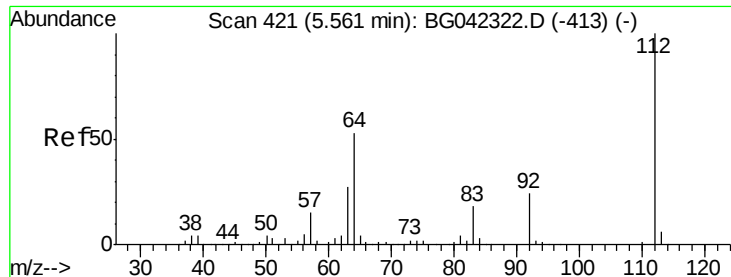
1,4-Dioxane
 Concen: 20.368 ng
 RT: 3.14 min Scan# 9
 Delta R.T. -0.29 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Tgt Ion: 88 Resp: 26679
 Ion Ratio Lower Upper
 88 100
 58 24.9 58.6 88.0#
 43 1883.7 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: 141.459 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG042357.D

Acq: 20 Aug 2019 13:52

Instrument :

BNA_G

ClientSampleId :

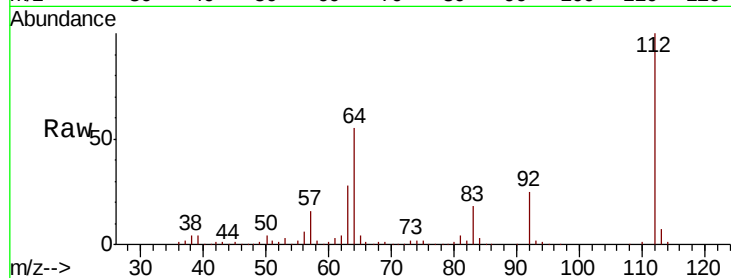
Tot Ion:112 Resp: 429649

Ion Ratio Lower Upper

112 100

64 55.0 42.5 63.7

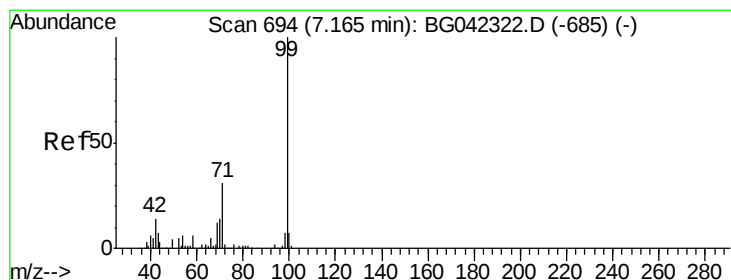
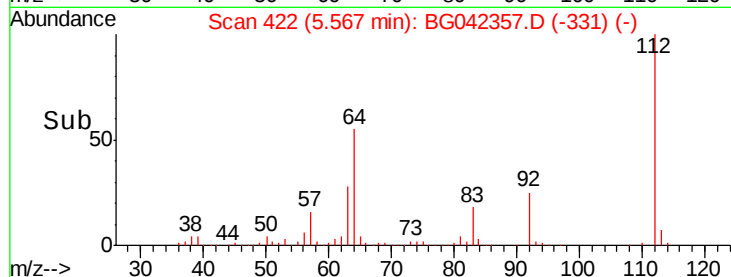
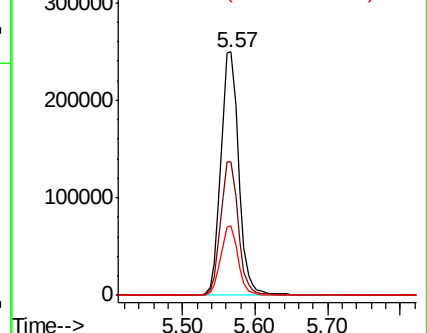
63 28.4 21.7 32.5



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: 126.697 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042357.D

Acq: 20 Aug 2019 13:52

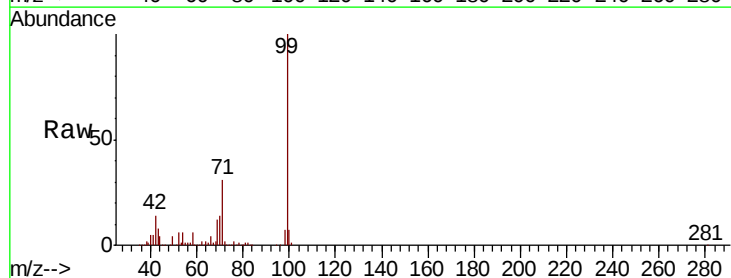
Tgt Ion: 99 Resp: 522623

Ion Ratio Lower Upper

99 100

42 13.9 11.4 17.0

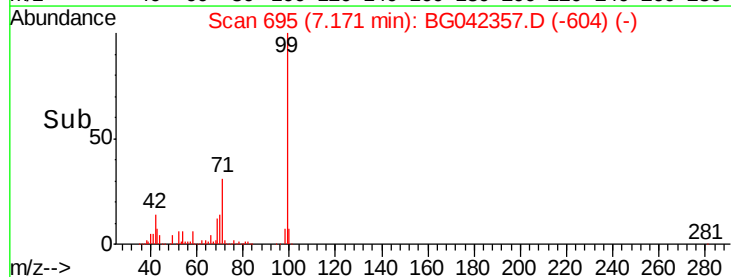
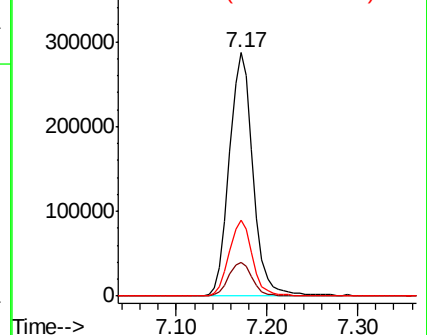
71 31.0 25.1 37.7

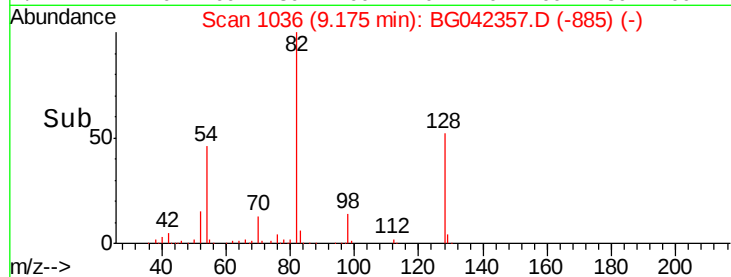
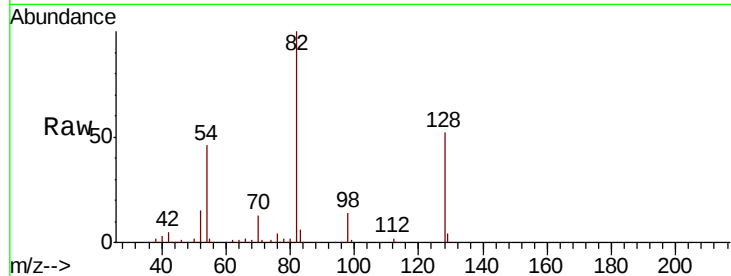
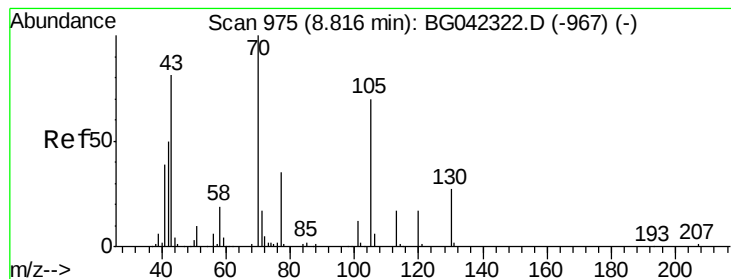


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 17.525 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG042357.D

Acq: 20 Aug 2019 13:52

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 46497

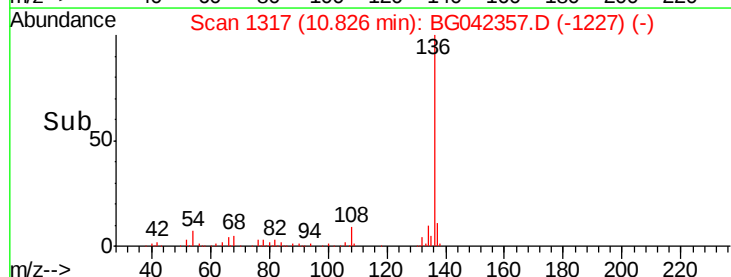
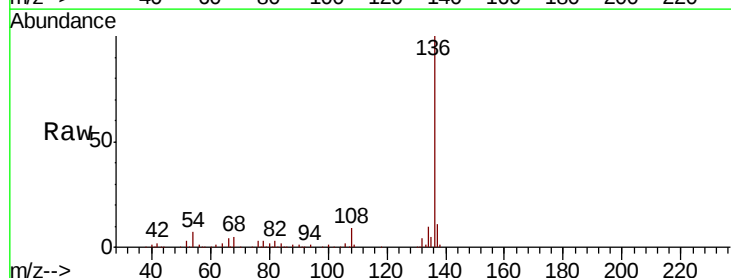
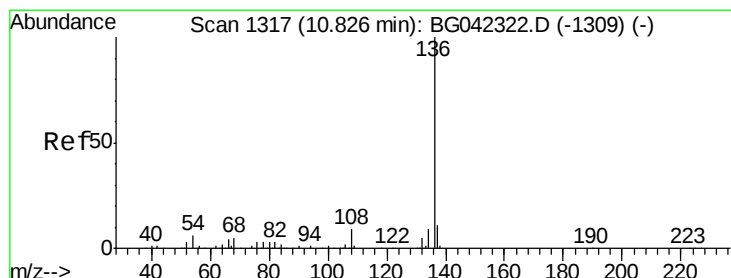
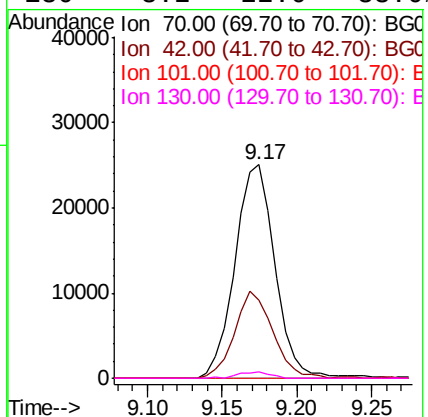
Ion Ratio Lower Upper

70 100

42 36.9 40.5 60.7#

101 0.0 9.3 13.9#

130 3.2 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: BG042357.D

Acq: 20 Aug 2019 13:52

Tgt Ion: 136 Resp: 235510

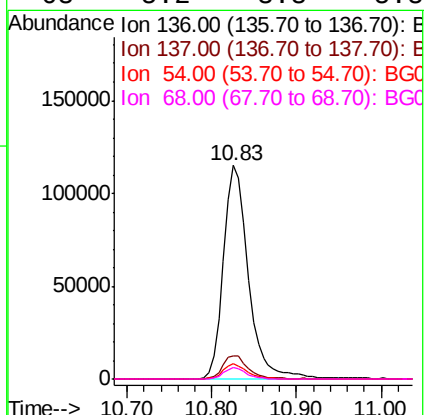
Ion Ratio Lower Upper

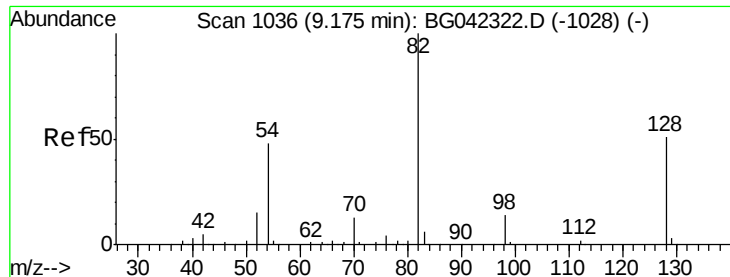
136 100

137 10.6 8.4 12.6

54 7.2 5.0 7.4

68 5.2 3.8 5.8

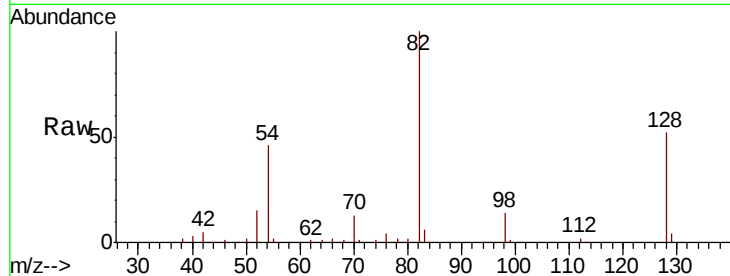




#23
 Nitrobenzene-d5
 Concen: 109.415 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	366377
Ion Ratio	100	Lower	Upper
128	51.6	41.0	61.4
54	46.1	38.0	57.0

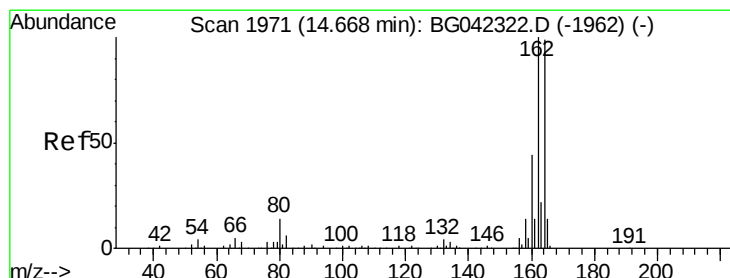
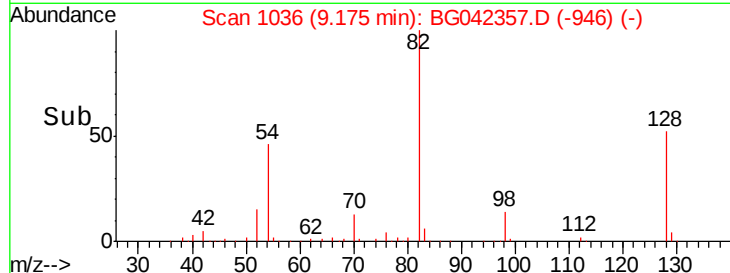
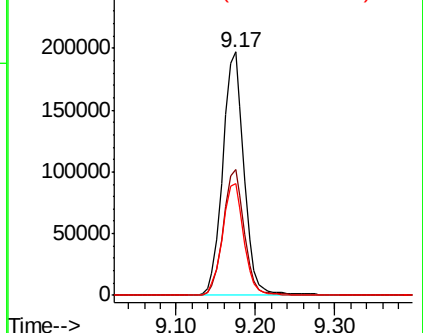


Abundance

Ion 82.00 (81.70 to 82.70): BGC

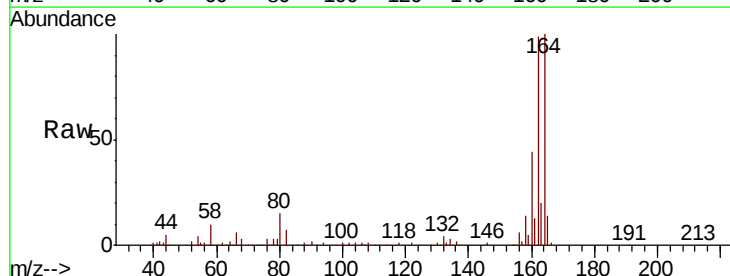
Ion 128.00 (127.70 to 128.70): BGC

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. -0.01 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Tgt Ion	164	Resp	170821
Ion Ratio	100	Lower	Upper
162	99.1	80.6	120.8
160	44.0	35.7	53.5

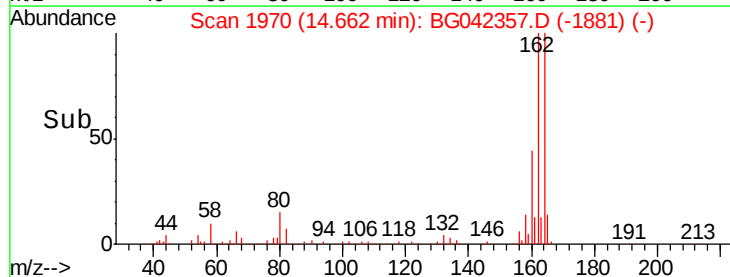
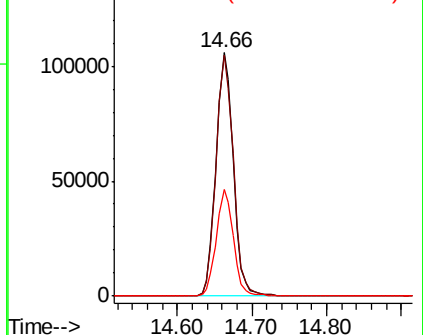


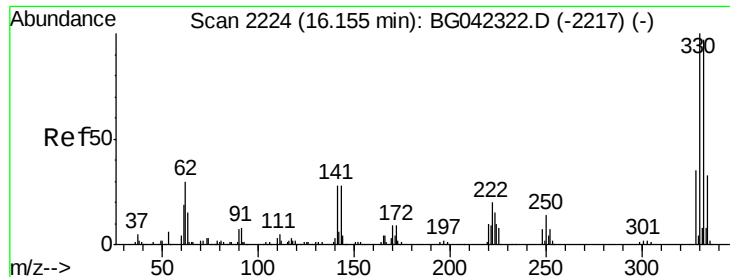
Abundance

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

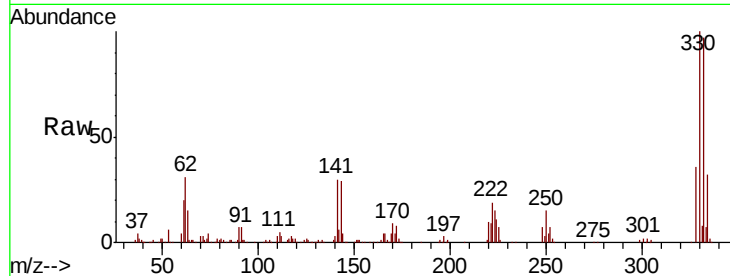




#42
 2,4,6-Tribromophenol
 Concen: 154.238 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	29.0	21.8	32.6

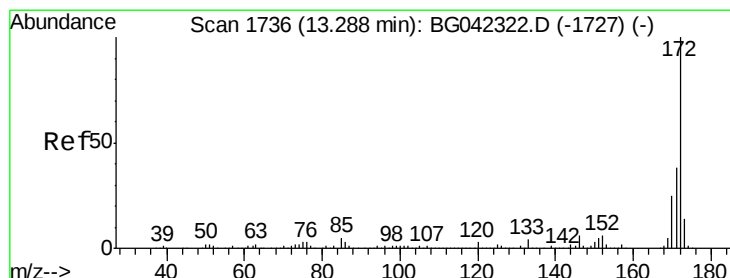
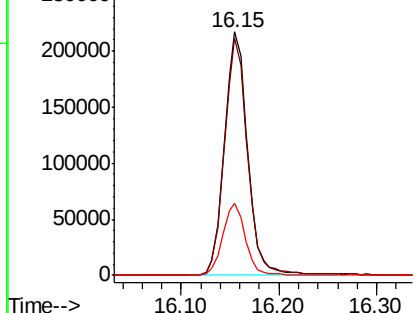
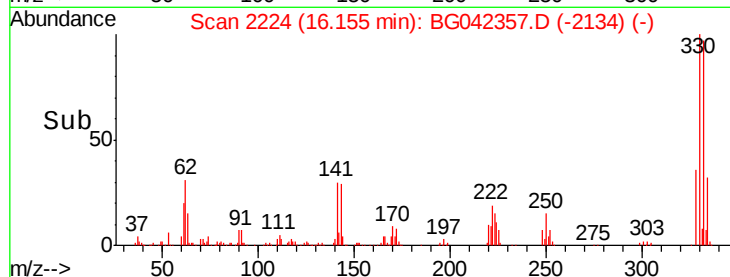


Abundance

Ion 329.80 (329.50 to 330.50): E

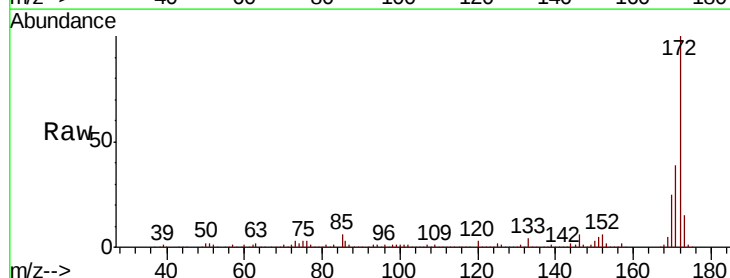
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 111.370 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.3	45.5
170	25.1	20.0	30.0

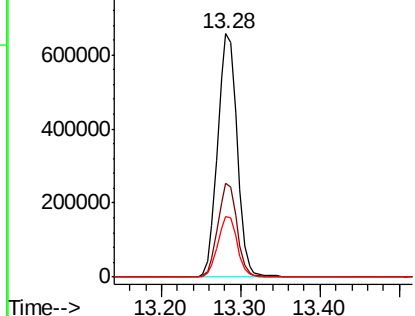
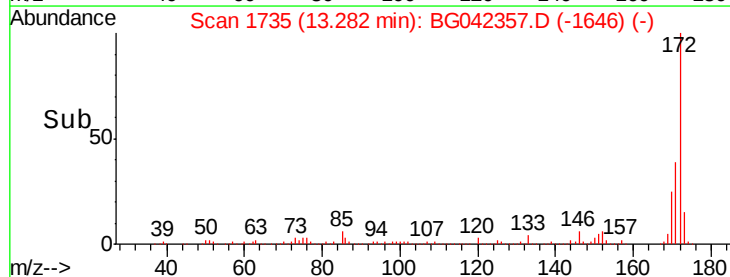


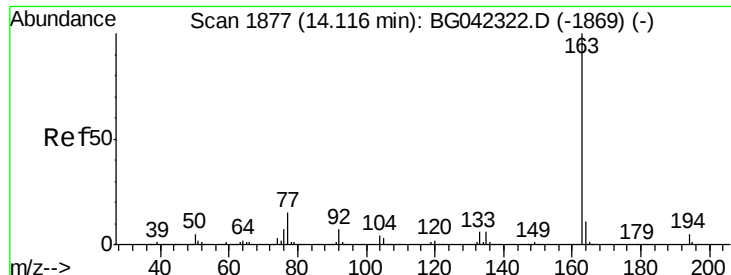
Abundance

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





#50

Dimethylphthalate

Concen: 2.750 ng

RT: 14.12 min Scan# 1878

Delta R.T. 0.01 min

Lab File: BG042357.D

Acq: 20 Aug 2019 13:52

Instrument :

BNA_G

ClientSampleId :

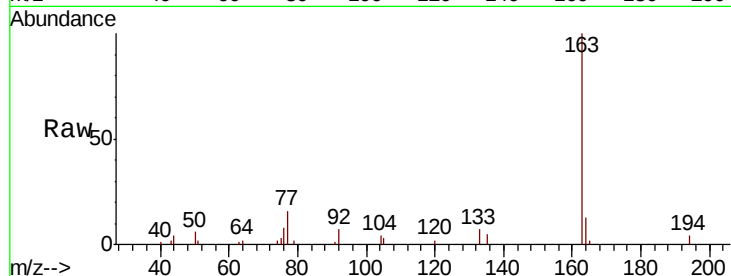
Tot Ion:163 Resp: 33384

Ion Ratio Lower Upper

163 100

194 4.1 4.2 6.2#

164 12.7 8.8 13.2

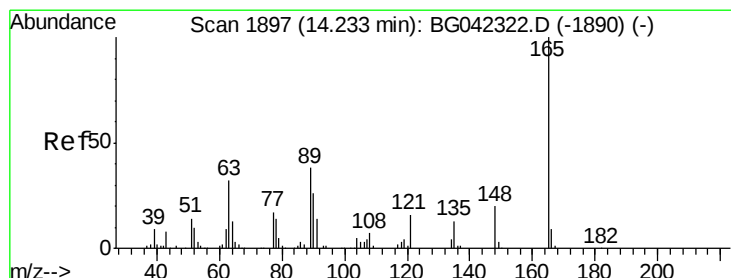
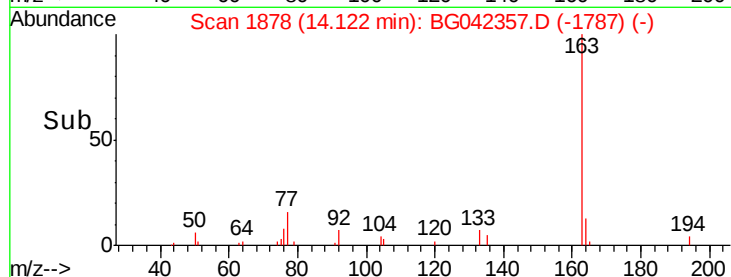
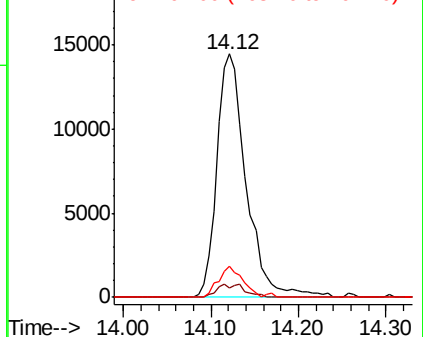


Abundance

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



#51

2,6-Dinitrotoluene

Concen: 8.140 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042357.D

Acq: 20 Aug 2019 13:52

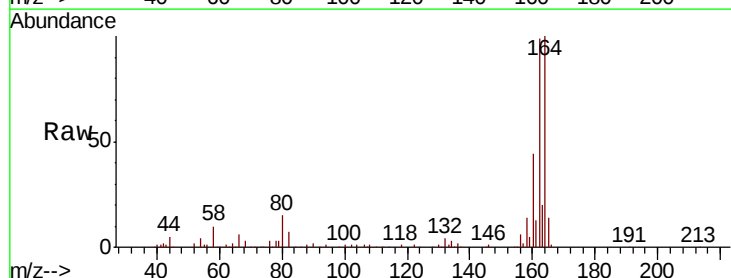
Tgt Ion:165 Resp: 23125

Ion Ratio Lower Upper

165 100

63 1.1 28.2 42.2#

89 0.0 30.0 45.0#

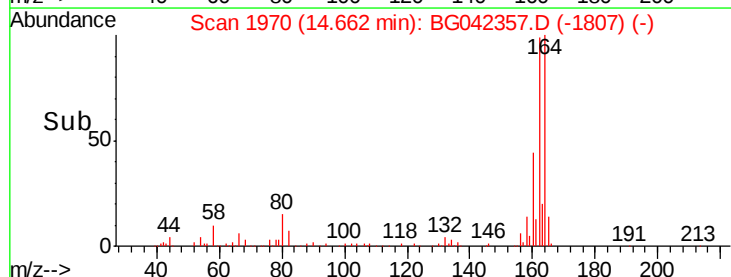
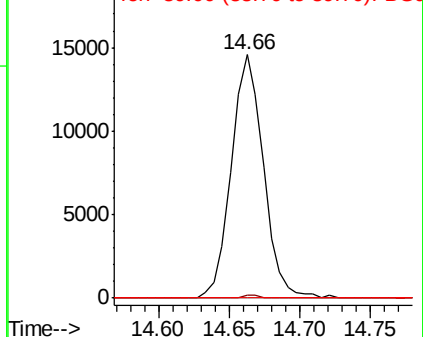


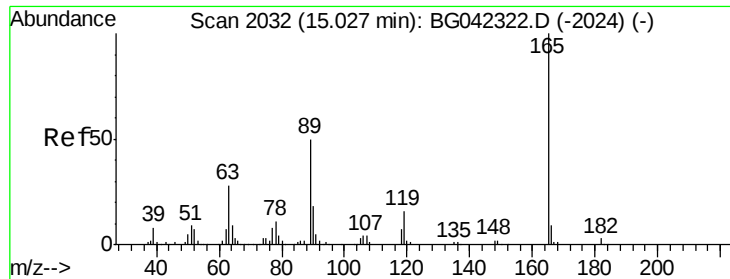
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

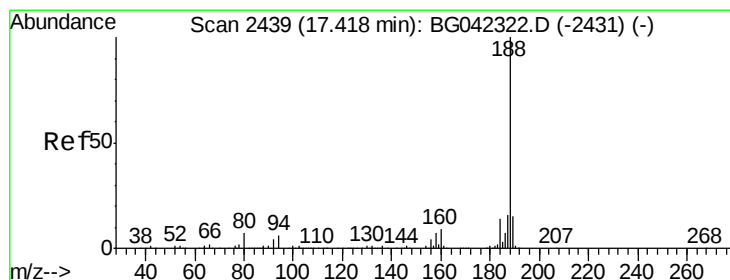
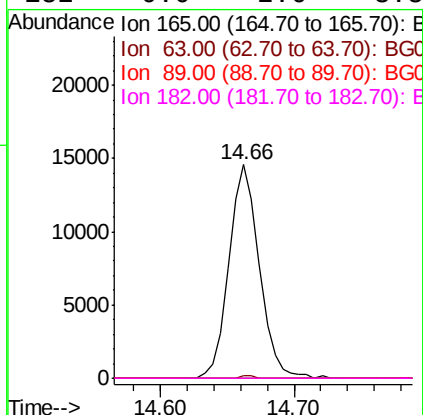
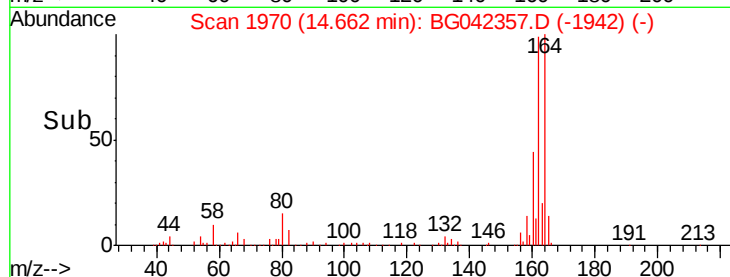
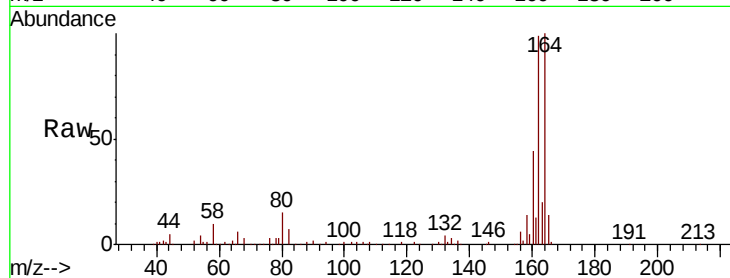




#57
 2,4-Dinitrotoluene
 Concen: 5.823 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

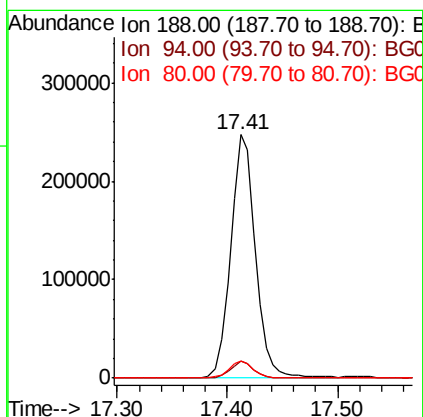
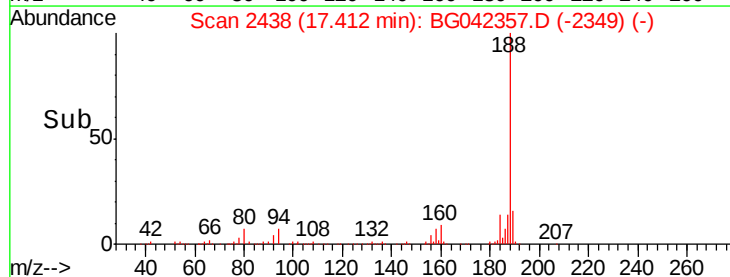
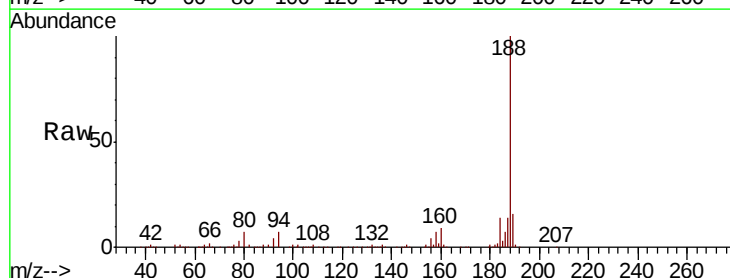
Instrument :
 BNA_G
 ClientSampleId :

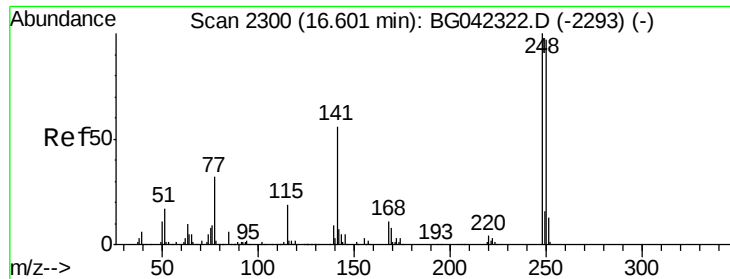
Tot Ion:165	Resp:	23127
Ion Ratio	Lower	Upper
165	100	
63	1.1	22.4 33.6#
89	0.0	40.2 60.2#
182	0.0	2.6 3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Tgt Ion:188	Resp:	387476
Ion Ratio	Lower	Upper
188	100	
94	6.8	4.9 7.3
80	7.1	5.4 8.0

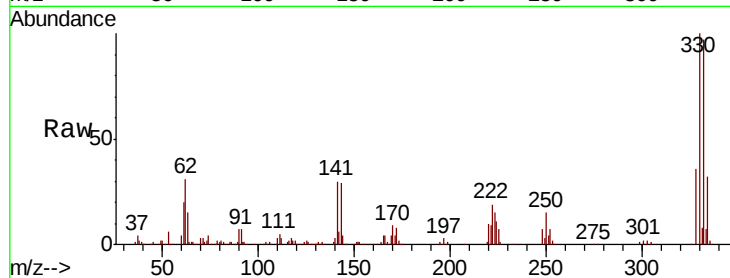




#67
 4-Bromophenyl-phenylether
 Concen: 5.140 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	201.2	78.0	117.0#
141	409.2	44.9	67.3#

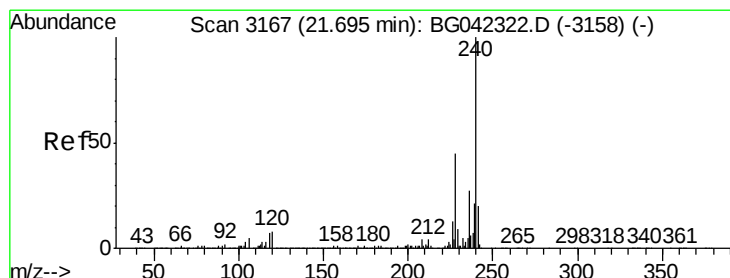
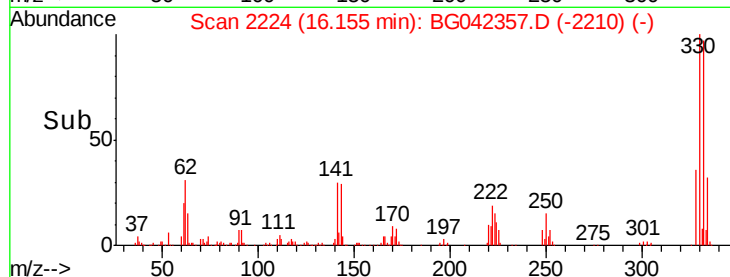
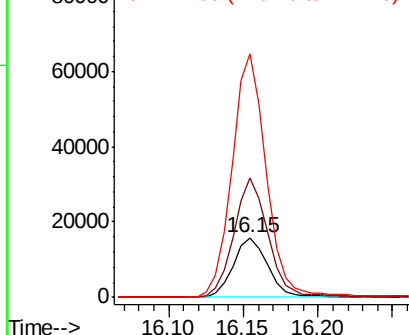


Abundance

Ion 248.00 (247.70 to 248.70): E

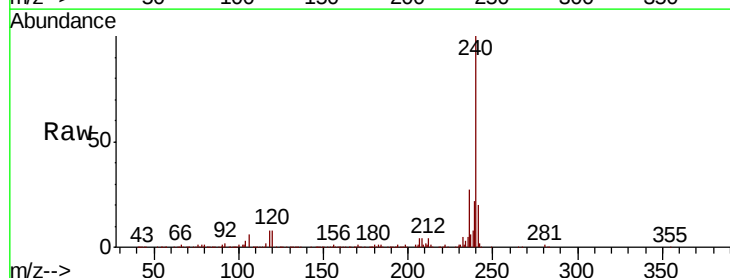
Ion 250.00 (249.70 to 250.70): E

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. -0.01 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.0	9.0
236	26.6	21.6	32.4

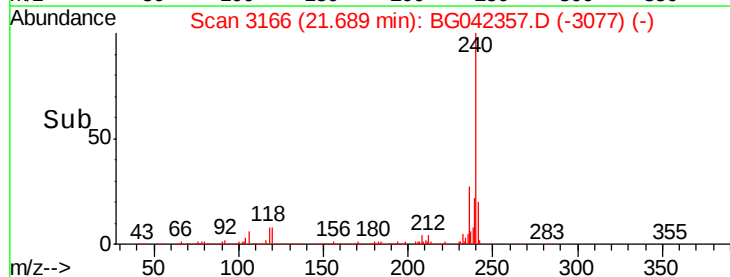
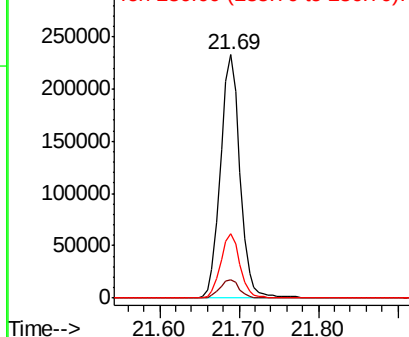


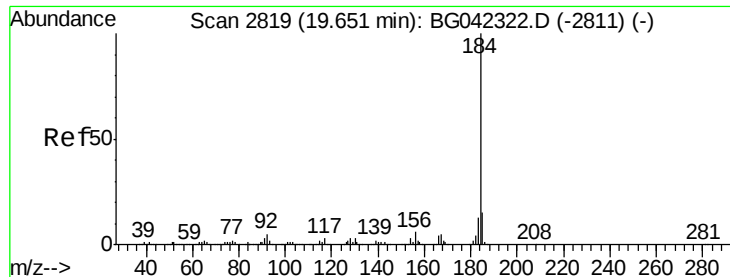
Abundance

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: 2.500 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042357.D

Acq: 20 Aug 2019 13:52

Instrument :

BNA_G

ClientSampleId :

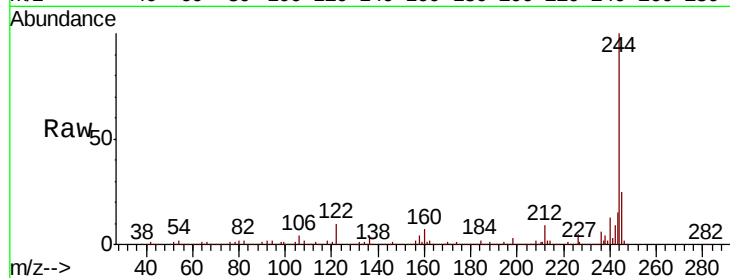
Tot Ion:184 Resp: 26364

Ion Ratio Lower Upper

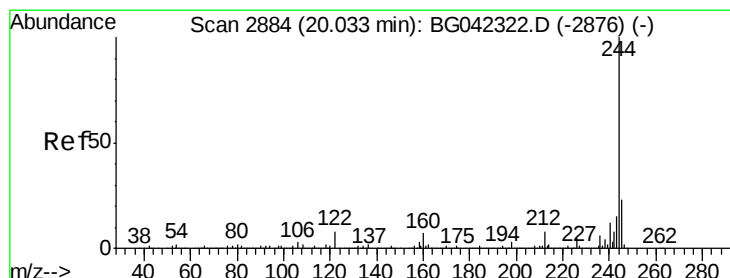
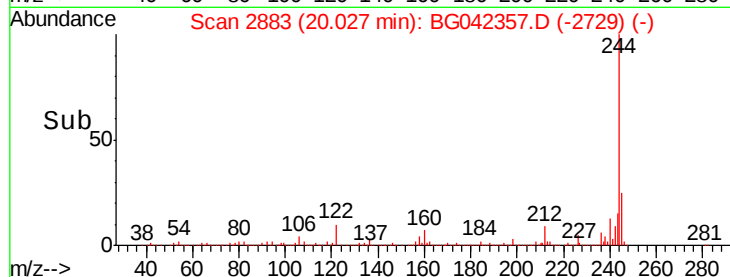
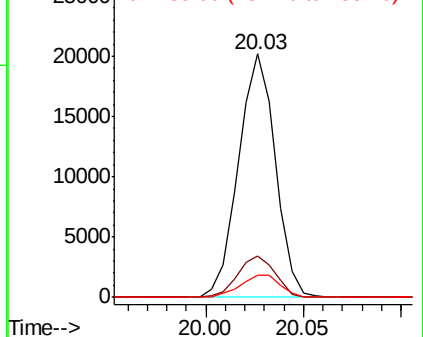
184 100

185 17.1 11.8 17.6

183 8.9 10.6 15.8#



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: 102.631 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042357.D

Acq: 20 Aug 2019 13:52

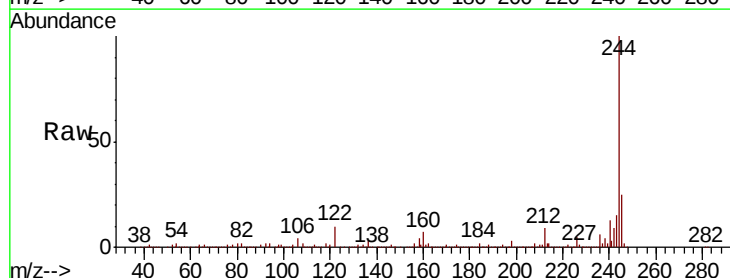
Tgt Ion:244 Resp: 1863947

Ion Ratio Lower Upper

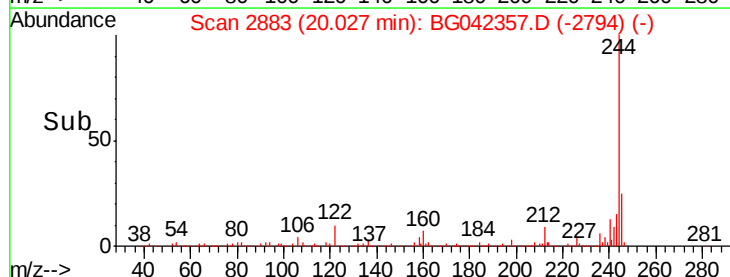
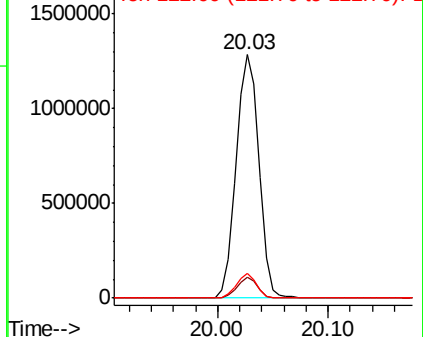
244 100

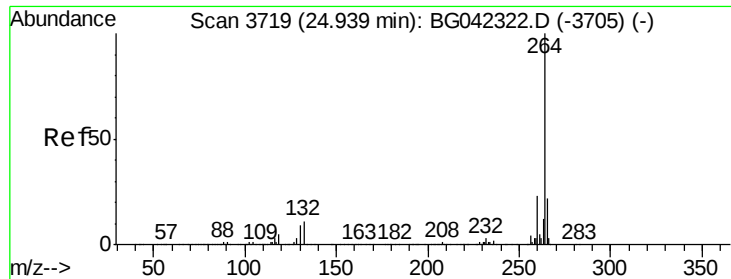
212 8.6 6.4 9.6

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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042357.D
 Acq: 20 Aug 2019 13:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	22.0	17.4	26.0

