

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042462.D
 Acq On : 24 Aug 2019 11:31
 Operator : HP/JU
 Sample : K4493-23
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 05:00:29 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

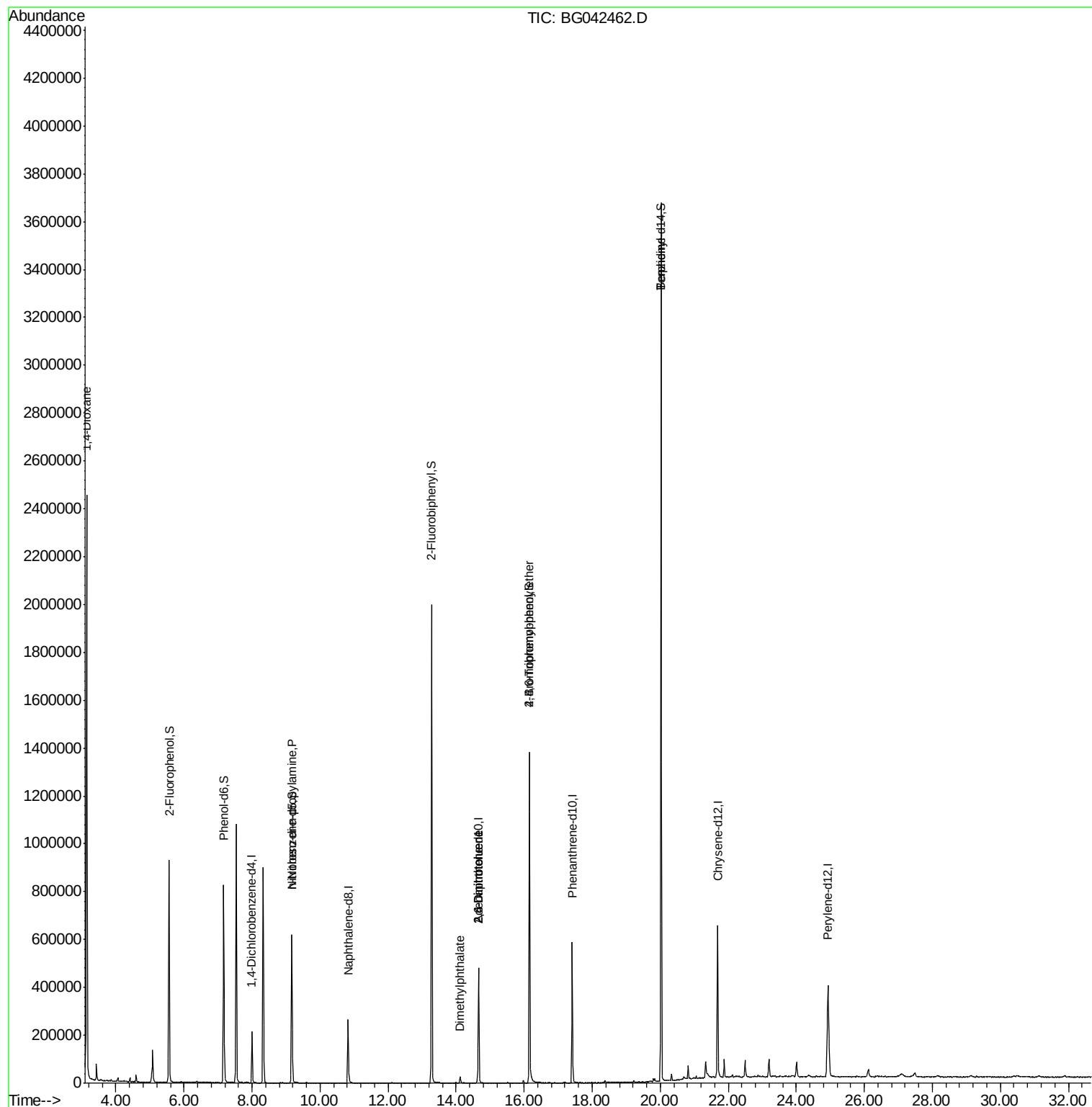
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	68317	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	275199	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	189650	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	405961	20.00	ng	0.00
76) Chrysene-d12	21.69	240	402018	20.00	ng	0.00
87) Perylene-d12	24.93	264	462734	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	466037	138.16	ng	0.00
7) Phenol-d6	7.17	99	582859	127.92	ng	0.00
23) Nitrobenzene-d5	9.17	82	409640	102.86	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	340257	126.23	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1151558	102.70	ng	0.00
79) Terphenyl-d14	20.03	244	1770495	95.21	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	27565	19.582	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	53342	18.070	ng	# 76
50) Dimethylphthalate	14.12	163	33872	2.475	ng	# 98
51) 2,6-Dinitrotoluene	14.66	165	24919	7.856	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	24919	5.486	ng	# 40
67) 4-Bromophenyl-phenylether	16.15	248	24035	4.668	ng	# 1
77) Benzidine	20.03	184	26047	2.260	ng	# 96

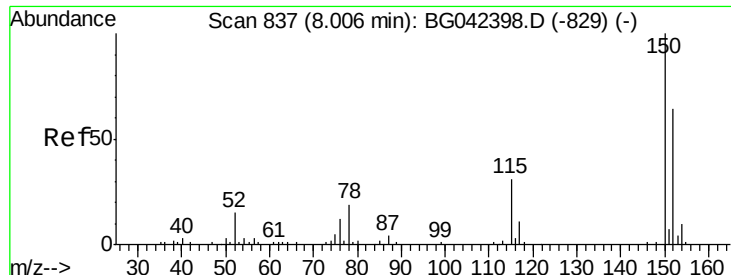
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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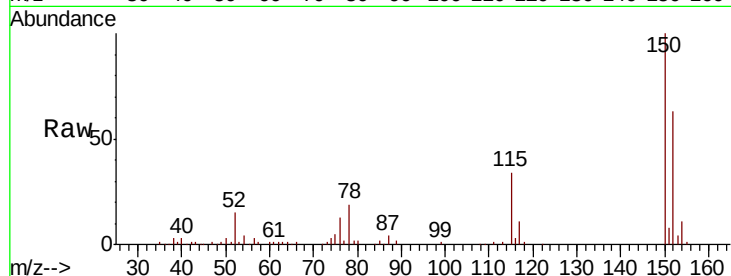


#1

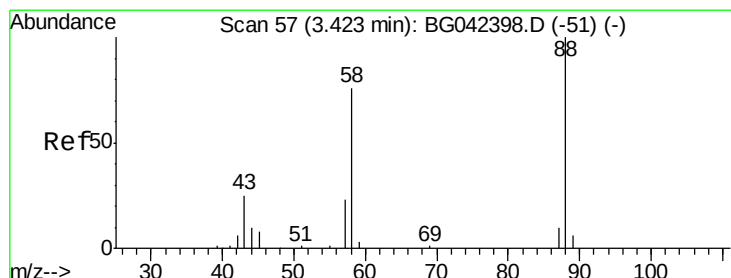
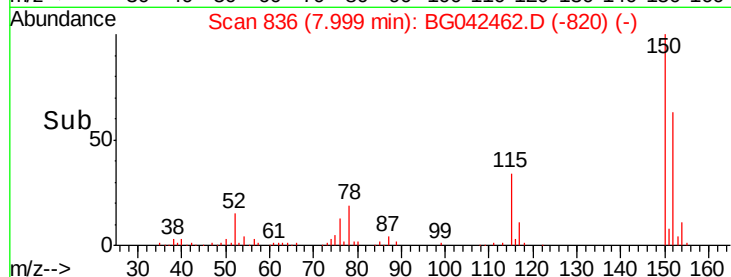
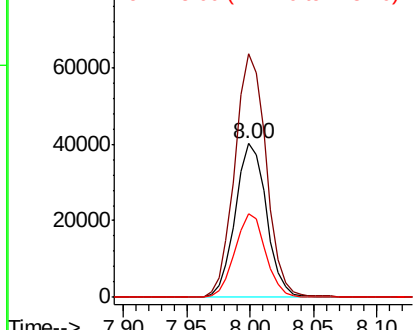
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042462.D
Acq: 24 Aug 2019 11:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 68317
Ion Ratio Lower Upper
152 100
150 158.6 125.4 188.0
115 54.4 38.5 57.7



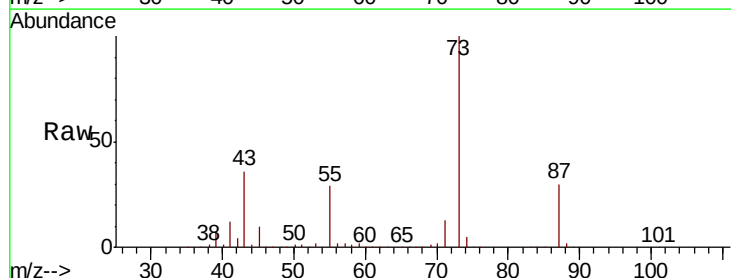
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



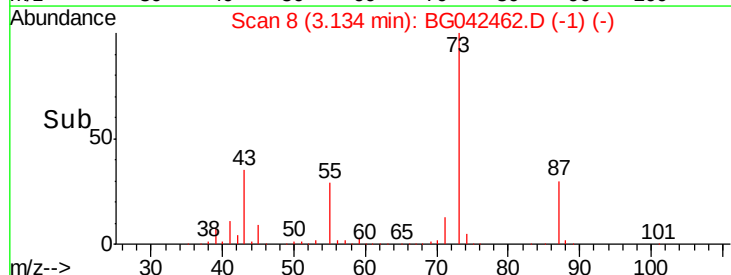
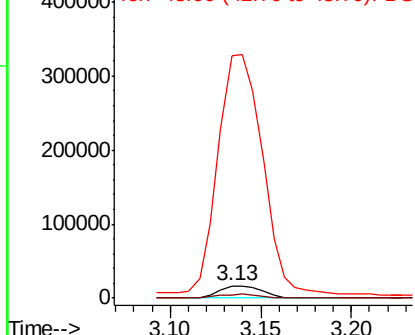
#2

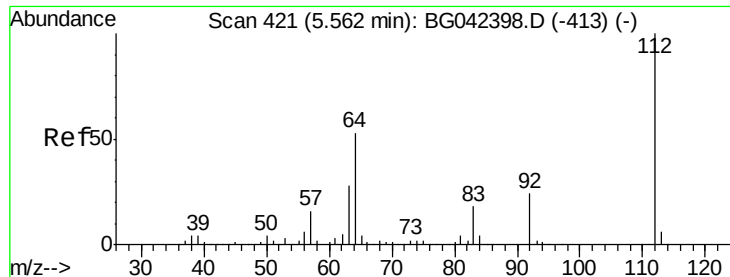
1,4-Dioxane
Concen: 19.582 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042462.D
Acq: 24 Aug 2019 11:31

Tgt Ion: 88 Resp: 27565
Ion Ratio Lower Upper
88 100
58 26.9 58.3 87.5#
43 2048.1 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: 138.159 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042462.D

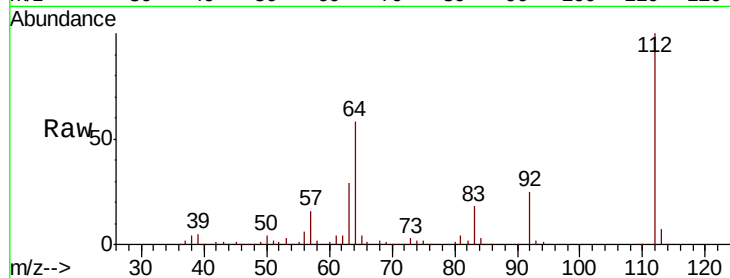
Acq: 24 Aug 2019 11:31

Instrument :

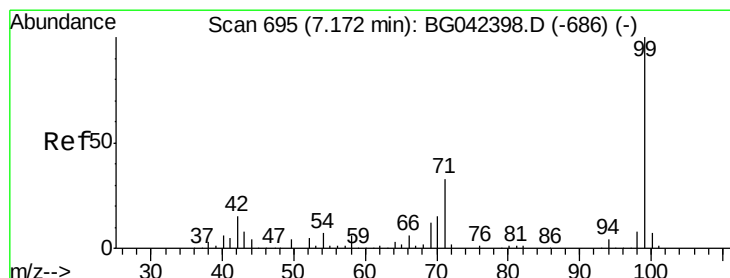
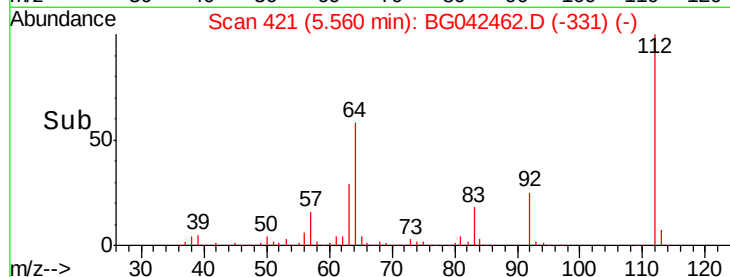
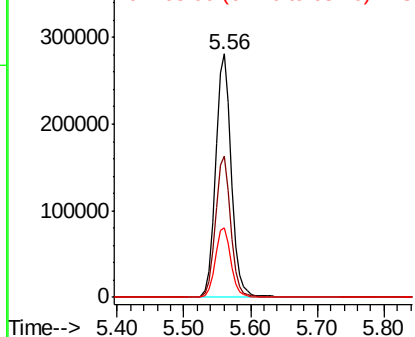
BNA_G

ClientSampled :

Tot Ion:	112	Resp:	466037
Ion	Ratio	Lower	Upper
112	100		
64	57.9	42.8	64.2
63	28.7	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: 127.920 ng

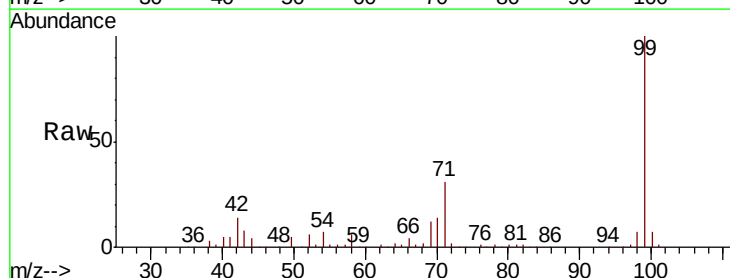
RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

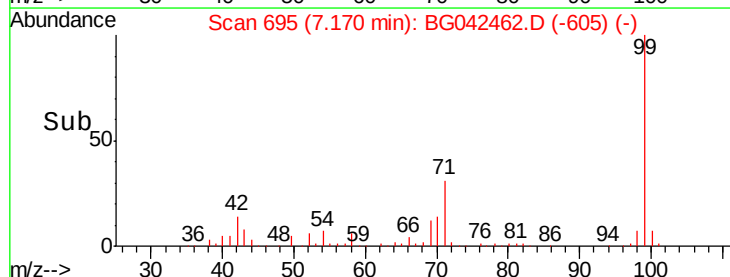
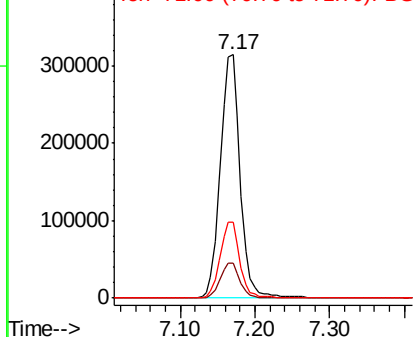
Lab File: BG042462.D

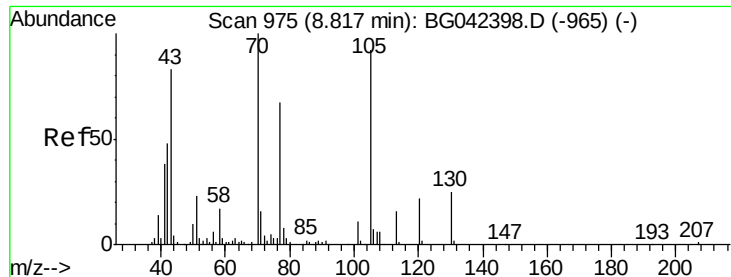
Acq: 24 Aug 2019 11:31

Tgt Ion:	99	Resp:	582859
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.0	18.0
71	31.4	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

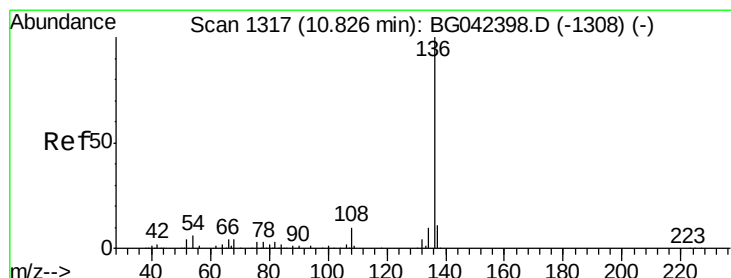
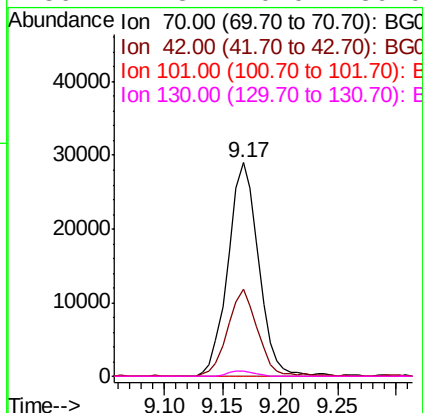
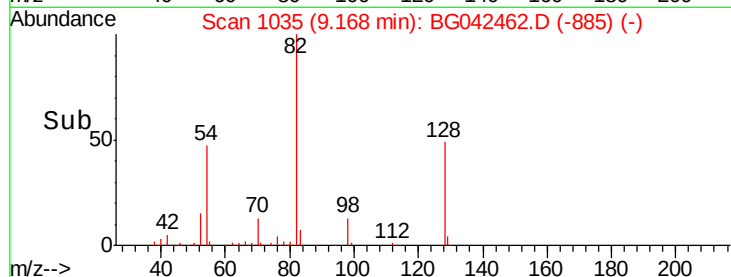
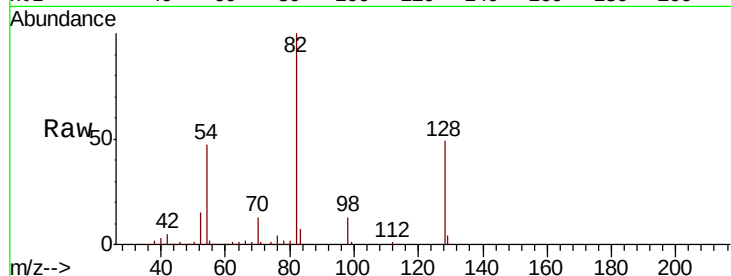




#19
n-Nitroso-di-n-propylamine
Concen: 18.070 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042462.D
Acq: 24 Aug 2019 11:31

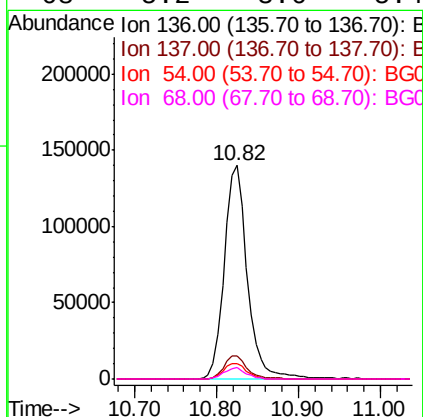
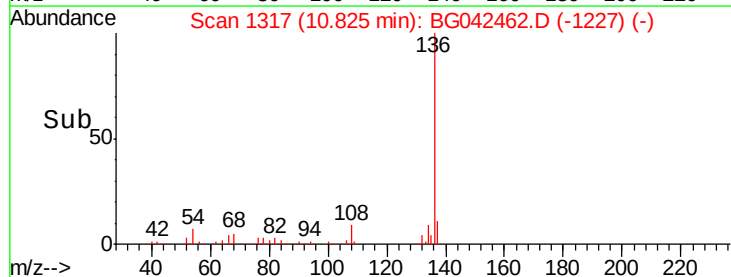
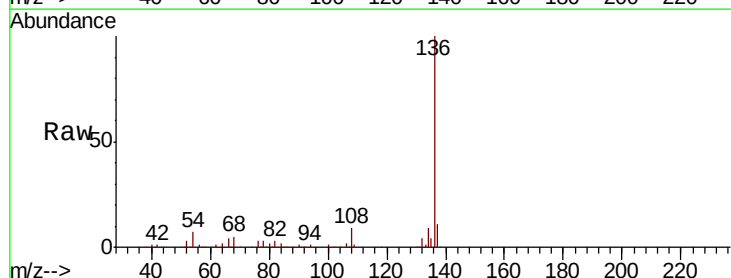
Instrument :
BNA_G
ClientSampleId :

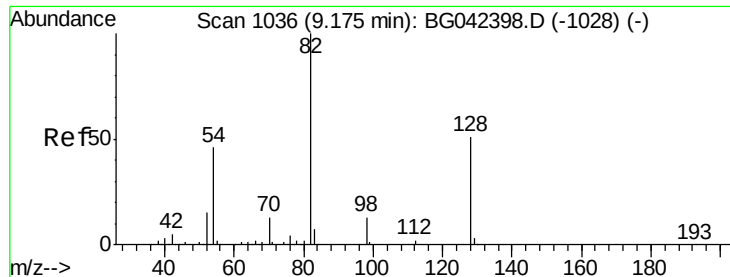
Tot Ion: 70 Resp: 53342
Ion Ratio Lower Upper
70 100
42 40.5 38.8 58.2
101 0.0 9.0 13.6#
130 2.3 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG042462.D
Acq: 24 Aug 2019 11:31

Tgt Ion: 136 Resp: 275199
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.5 4.9 7.3#
68 5.2 3.6 5.4

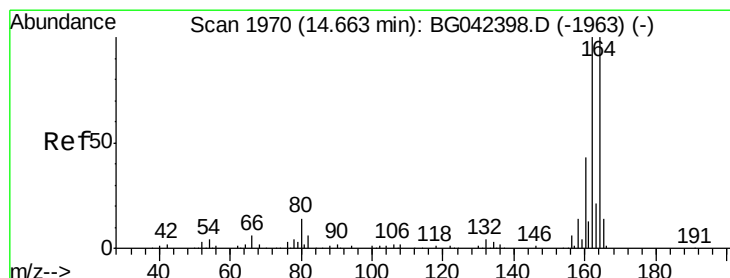
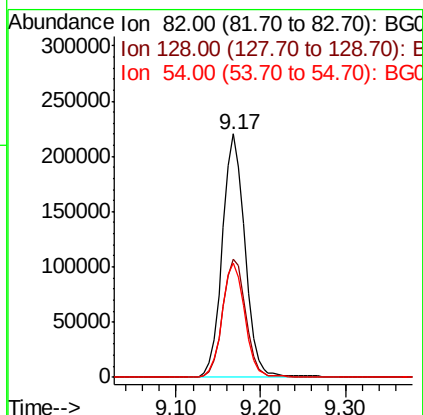
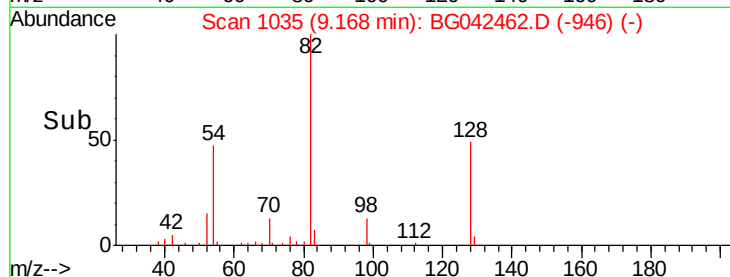
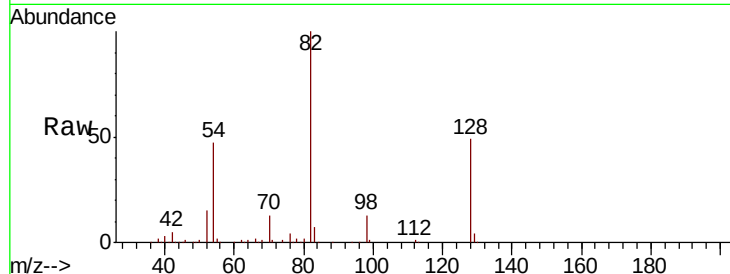




#23
Nitrobenzene-d5
Concen: 102.863 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042462.D
Acq: 24 Aug 2019 11:31

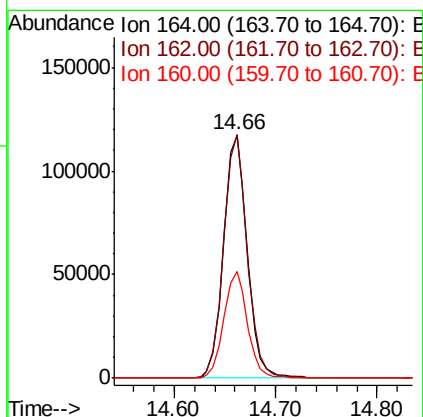
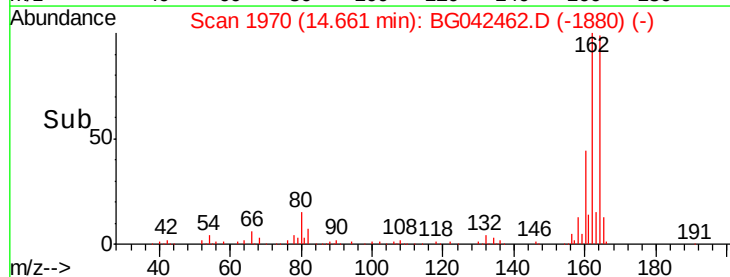
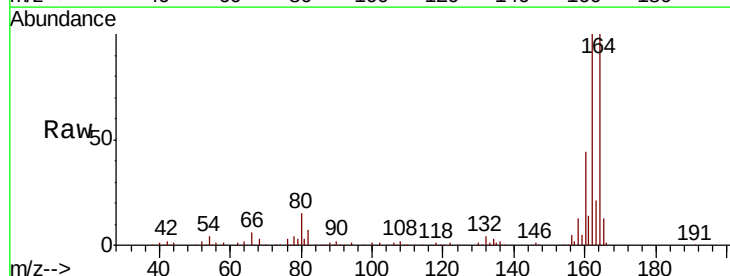
Instrument :
BNA_G
ClientSampled :

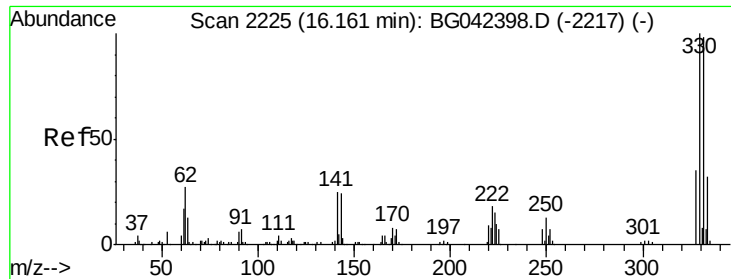
Tot Ion	82	Resp	409640
Ion Ratio	Lower	Upper	
82	100		
128	48.8	40.7	61.1
54	47.2	36.3	54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042462.D
Acq: 24 Aug 2019 11:31

Tgt Ion	164	Resp	189650
Ion Ratio	Lower	Upper	
164	100		
162	100.2	79.9	119.9
160	44.0	34.3	51.5

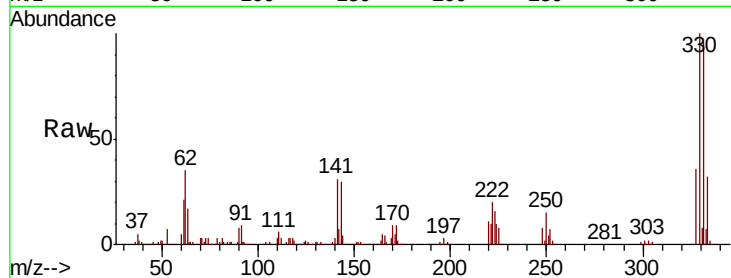




#42
 2,4,6-Tribromophenol
 Concen: 126.229 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042462.D
 Acq: 24 Aug 2019 11:31

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	31.0	21.4	32.0

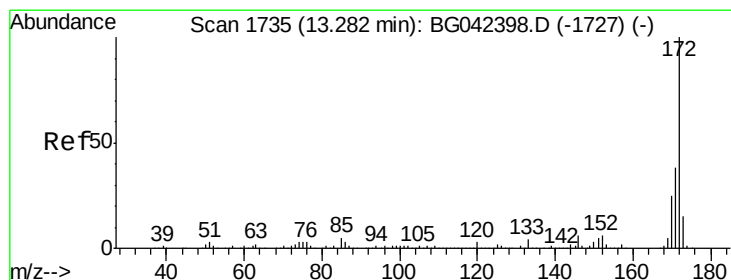
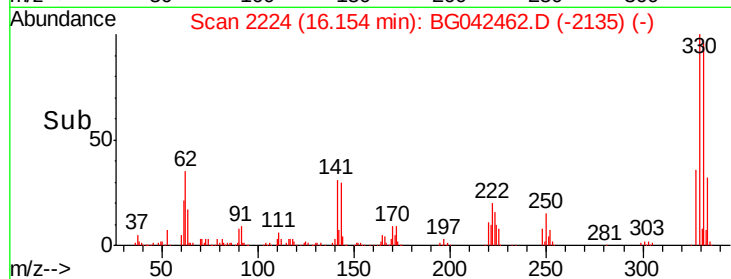
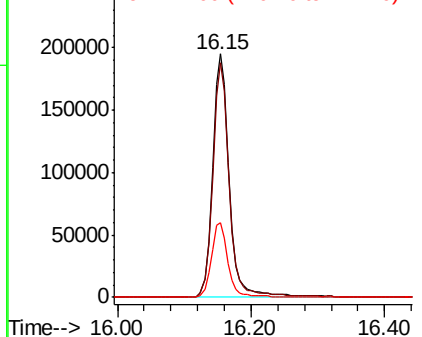


Abundance

Ion 329.80 (329.50 to 330.50): E

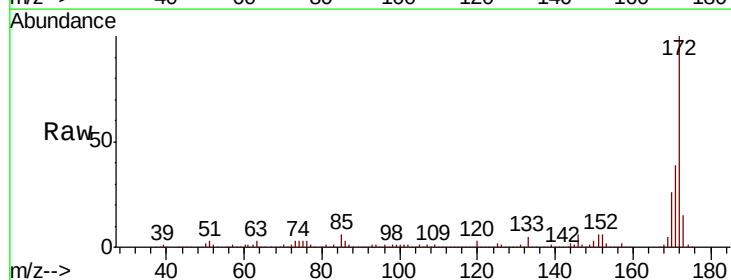
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 102.695 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042462.D
 Acq: 24 Aug 2019 11:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.5	45.7
170	25.8	20.2	30.2

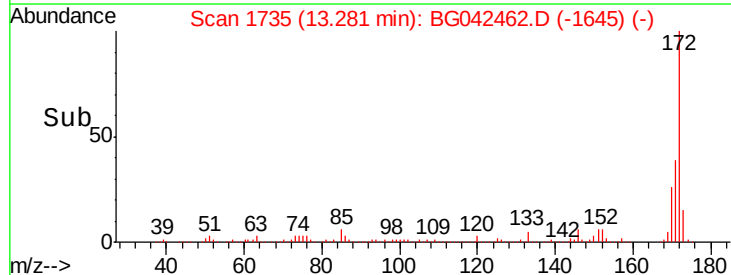
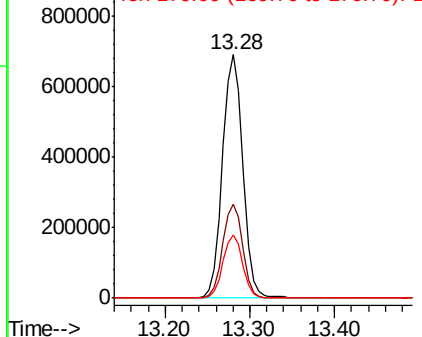


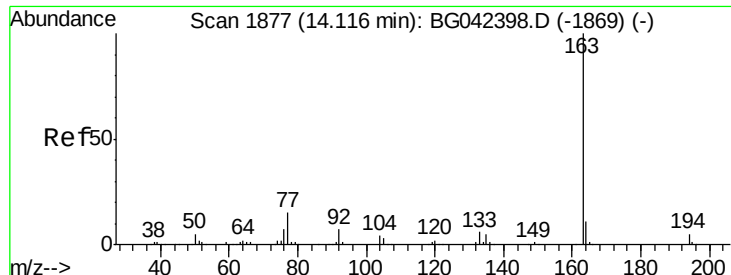
Abundance

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





#50

Dimethylphthalate

Concen: 2.475 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG042462.D

Acq: 24 Aug 2019 11:31

Instrument :

BNA_G

ClientSampleId :

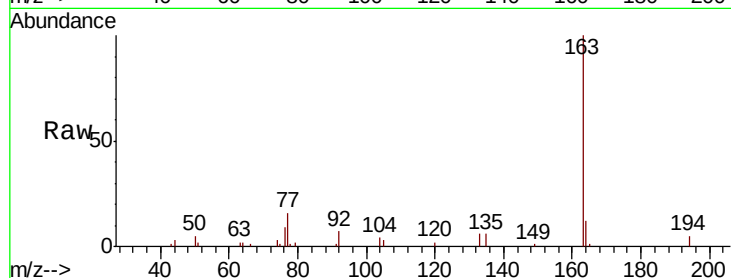
Tot Ion:163 Resp: 33872

Ion Ratio Lower Upper

163 100

194 5.3 4.2 6.2

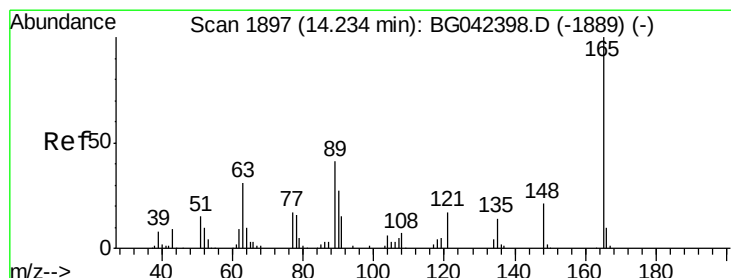
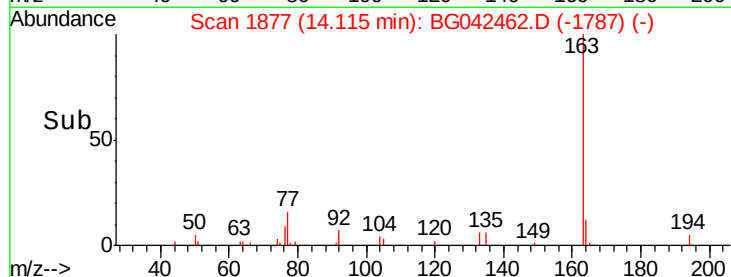
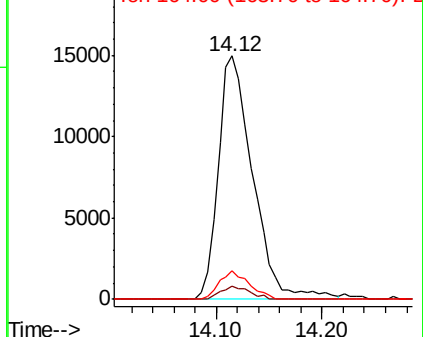
164 11.8 8.8 13.2



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: 7.856 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042462.D

Acq: 24 Aug 2019 11:31

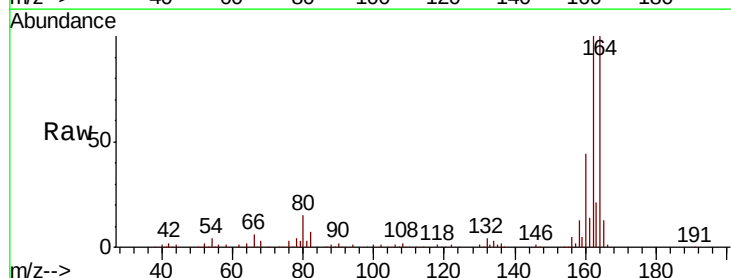
Tgt Ion:165 Resp: 24919

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

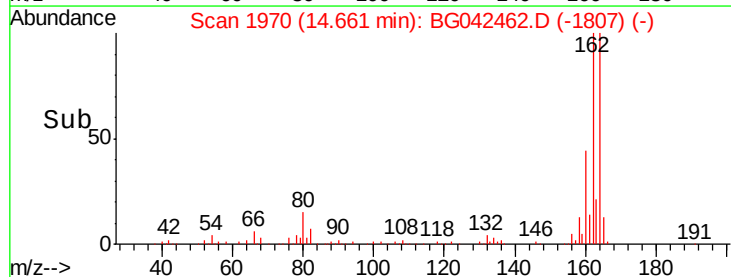
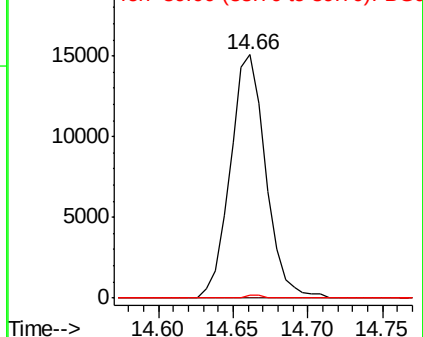
89 1.3 32.6 49.0#

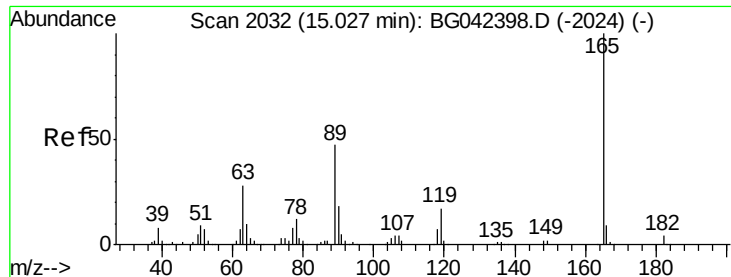


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

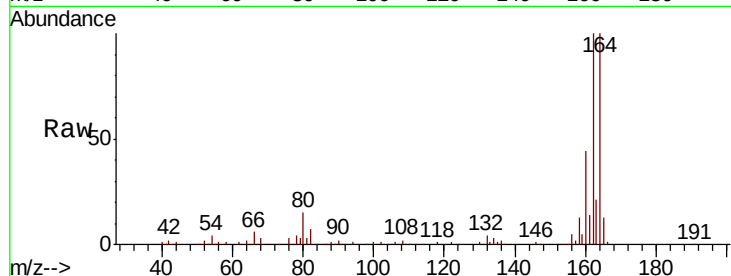




#57
 2,4-Dinitrotoluene
 Concen: 5.486 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.37 min
 Lab File: BG042462.D
 Acq: 24 Aug 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	1.3	37.8	56.6#
182	0.0	3.0	4.4#

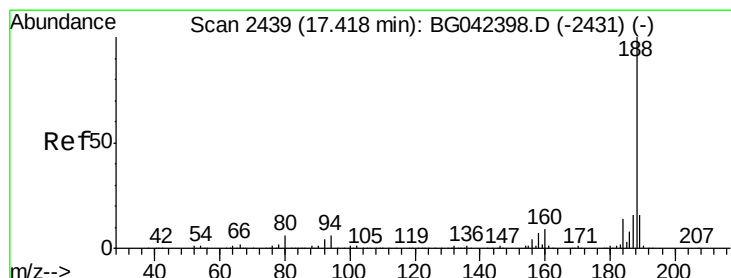
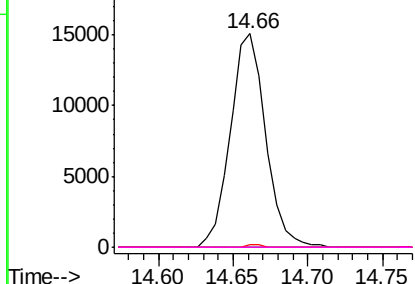
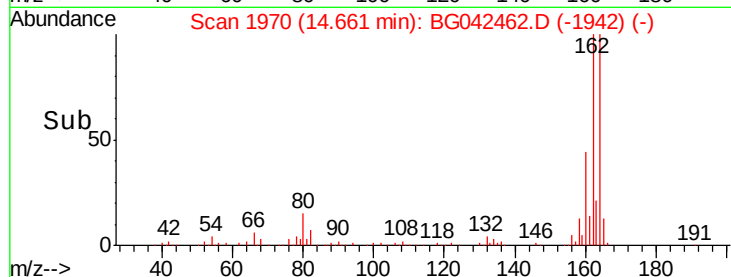


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

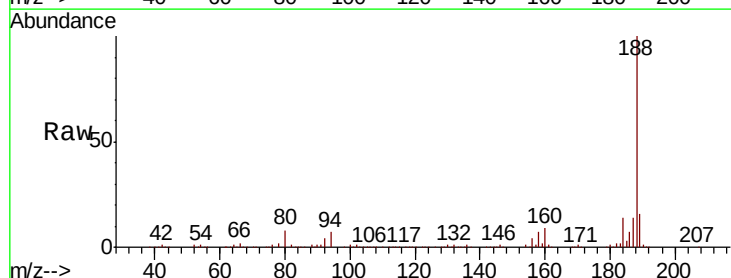
Ion 89.00 (88.70 to 89.70): BGC

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: BG042462.D
 Acq: 24 Aug 2019 11:31

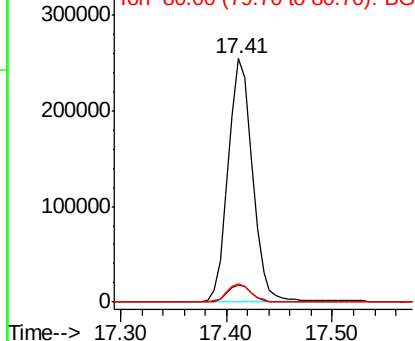
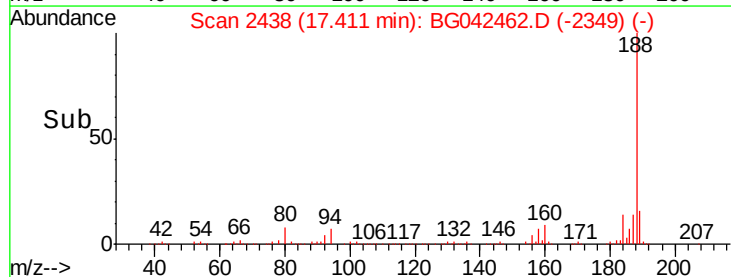
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	4.5	6.7#
80	7.7	4.9	7.3#

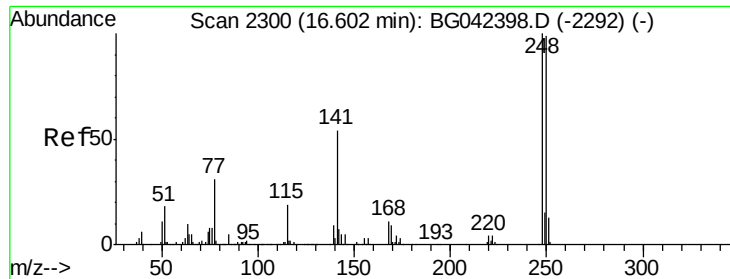


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

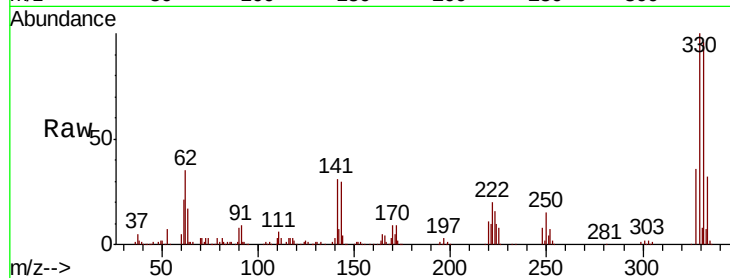




#67
 4-Bromophenyl-phenylether
 Concen: 4.668 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042462.D
 Acq: 24 Aug 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	192.8	78.9	118.3#
141	403.6	43.3	64.9#

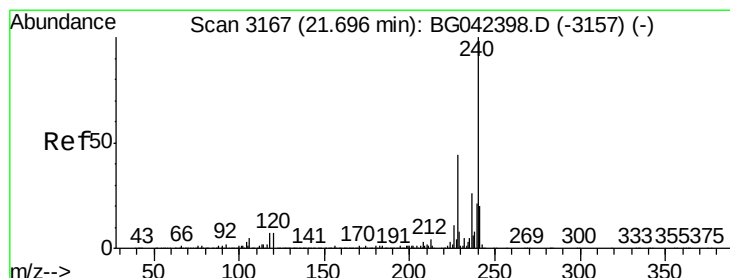
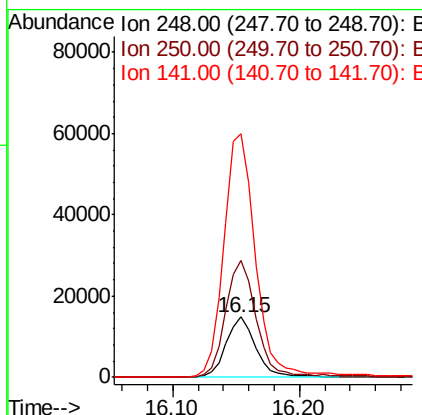
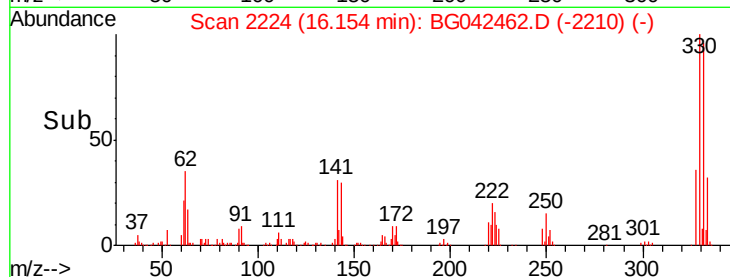


Abundance

Ion 248.00 (247.70 to 248.70): E

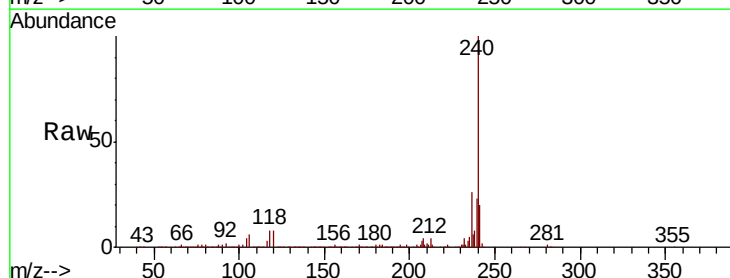
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042462.D
 Acq: 24 Aug 2019 11:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.7	8.5
236	25.9	21.0	31.4

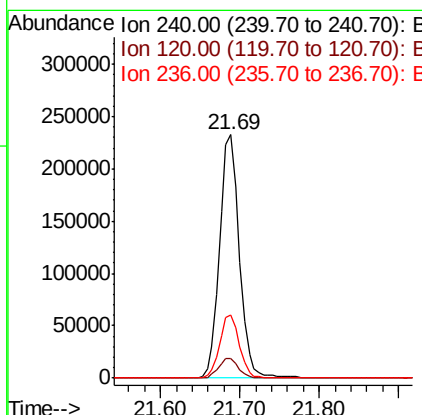
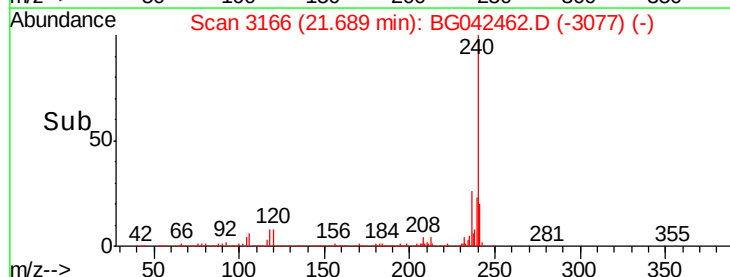


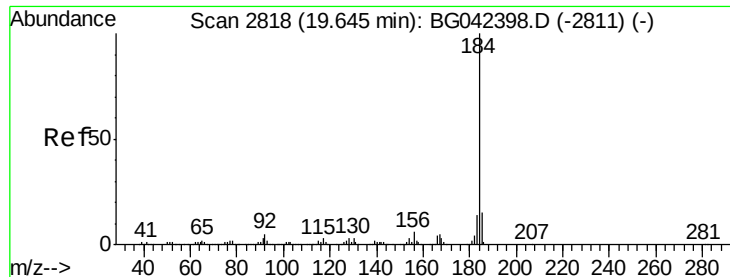
Abundance

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: 2.260 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042462.D

Acq: 24 Aug 2019 11:31

Instrument :

BNA_G

ClientSampleId :

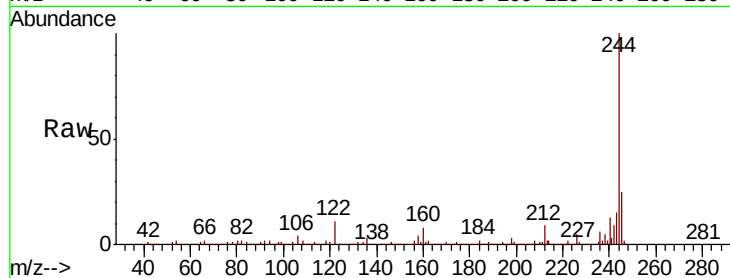
Tot Ion:184 Resp: 26047

Ion Ratio Lower Upper

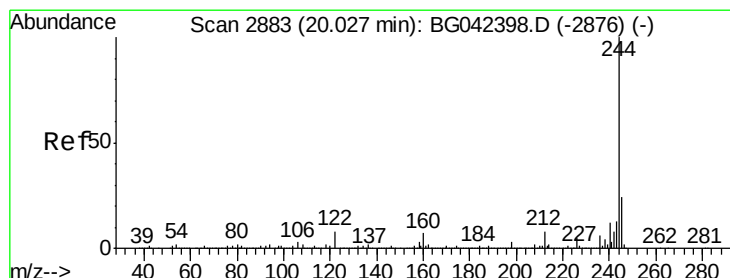
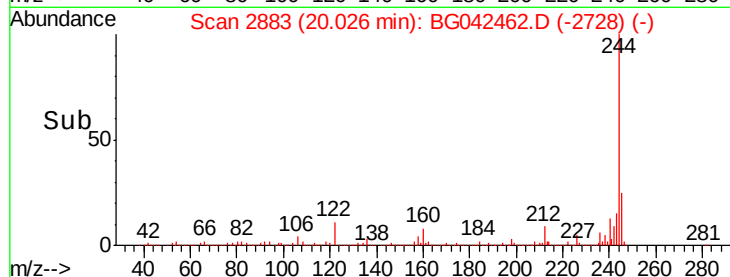
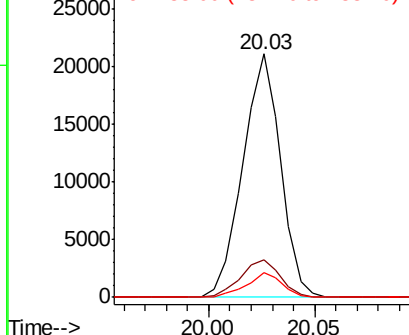
184 100

185 15.5 12.2 18.4

183 9.9 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: 95.211 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042462.D

Acq: 24 Aug 2019 11:31

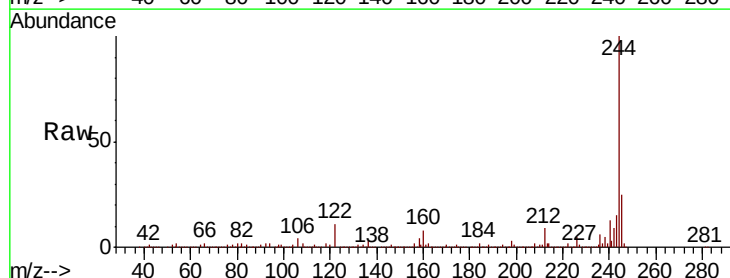
Tgt Ion:244 Resp: 1770495

Ion Ratio Lower Upper

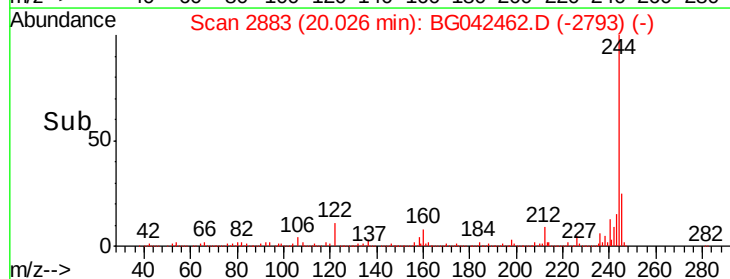
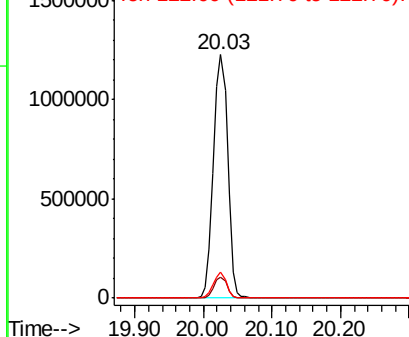
244 100

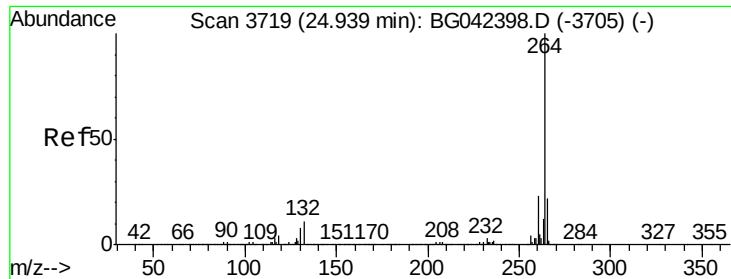
212 8.7 6.0 9.0

122 10.8 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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042462.D
 Acq: 24 Aug 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.7	17.6	26.4

