

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082319\
 Data File : BG042451.D
 Acq On : 24 Aug 2019 2:31
 Operator : HP/JU
 Sample : K4475-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T1-2A

Quant Time: Aug 24 05:14:35 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	72001	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	284405	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	197702	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	425459	20.00	ng	0.00
76) Chrysene-d12	21.69	240	411902	20.00	ng	0.00
87) Perylene-d12	24.93	264	472718	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	483488	136.00	ng	0.00
7) Phenol-d6	7.17	99	600725	125.10	ng	0.00
23) Nitrobenzene-d5	9.17	82	423407	102.88	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	338306	120.39	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1143059	97.79	ng	0.00
79) Terphenyl-d14	20.03	244	1814190	95.22	ng	0.00

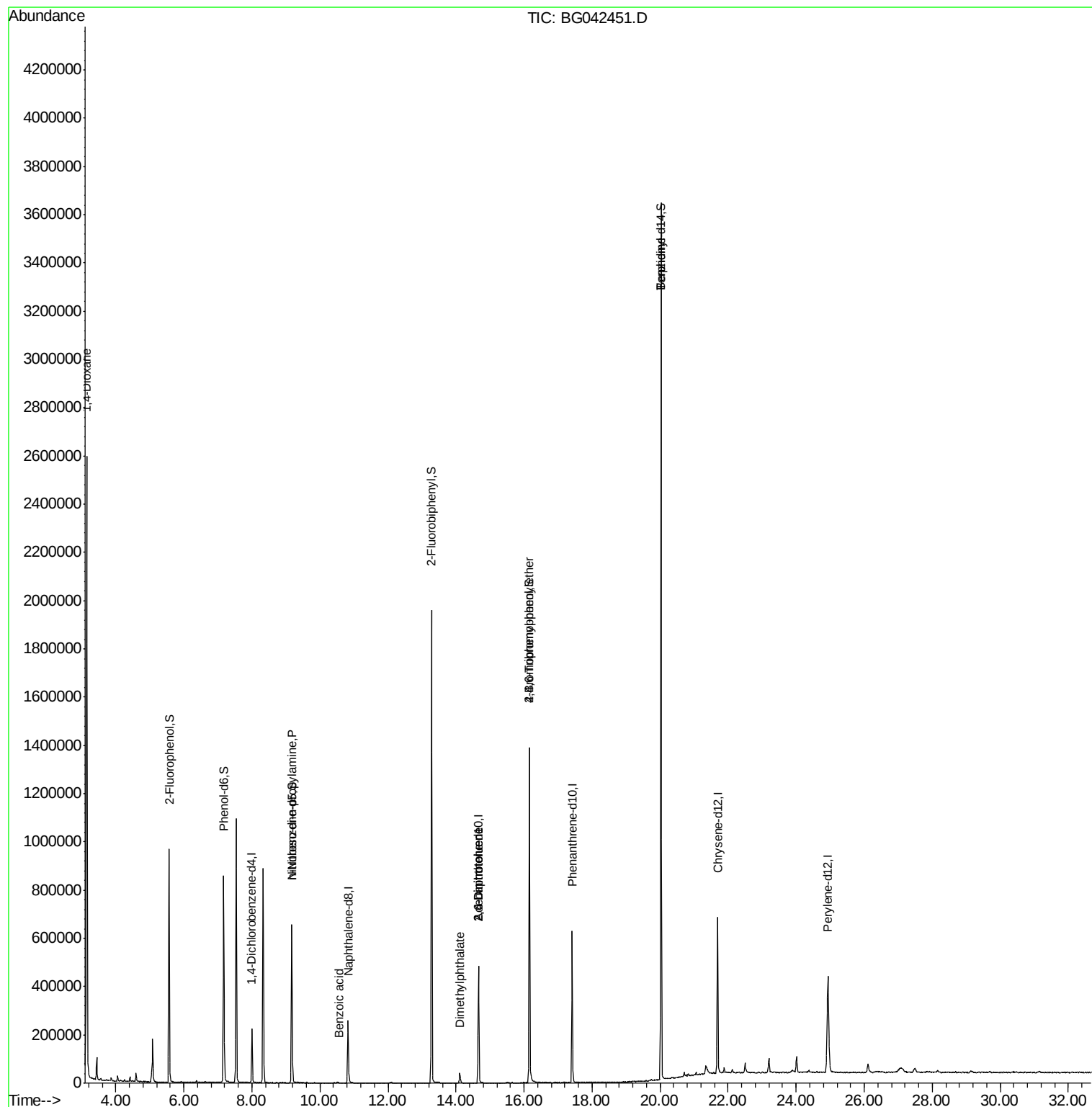
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	32334	21.794	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	53750	17.277	ng	# 75
32) Benzoic acid	10.57	122	222	8.240	ng	88
50) Dimethylphthalate	14.11	163	45937	3.220	ng	98
51) 2,6-Dinitrotoluene	14.66	165	25691	7.770	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	25689	5.426	ng	# 40
67) 4-Bromophenyl-phenylether	16.16	248	24156	4.476	ng	# 1
77) Benzidine	20.03	184	27518	2.330	ng	# 95

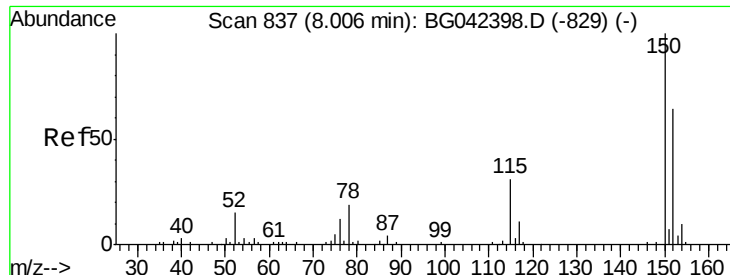
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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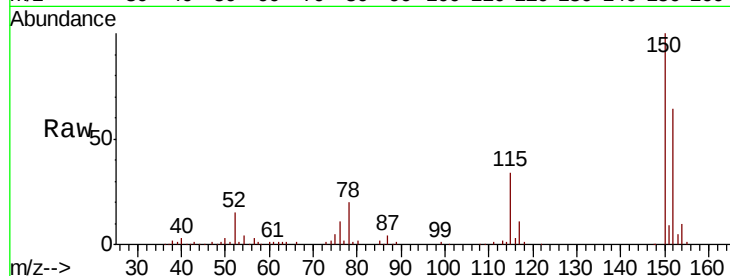


#1

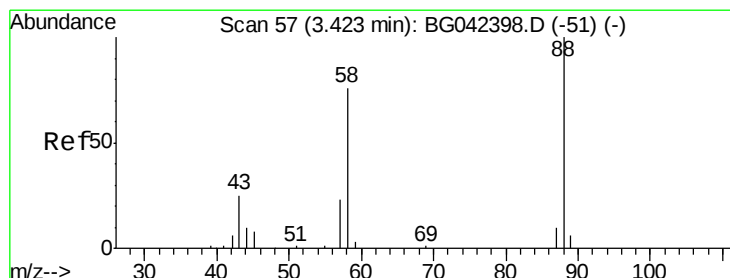
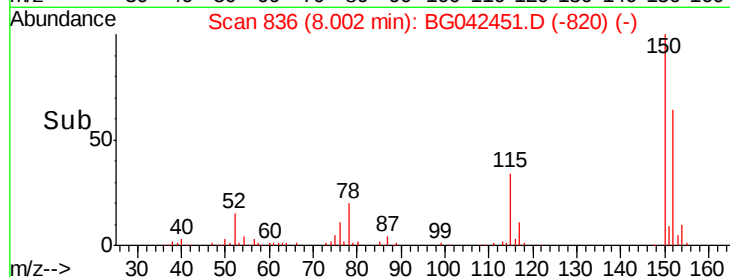
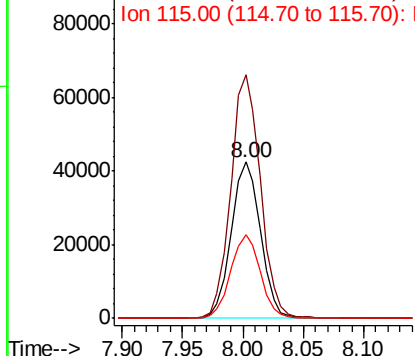
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG042451.D
Acq: 24 Aug 2019 2:31

Instrument :
BNA_G
ClientSampled :
T1-2A

Tgt Ion:152 Resp: 72001
Ion Ratio Lower Upper
152 100
150 155.6 125.4 188.0
115 53.2 38.5 57.7



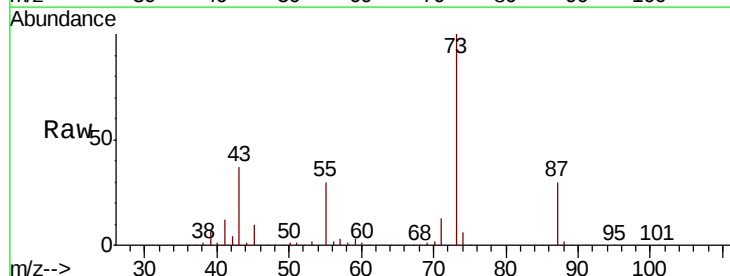
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



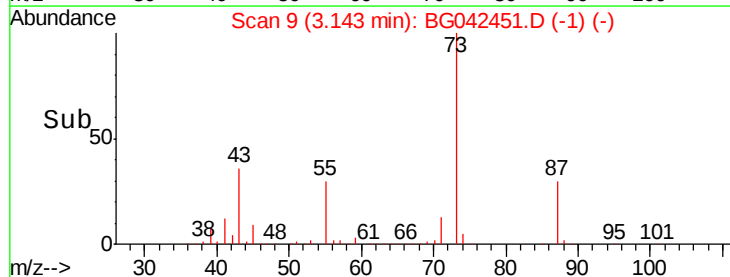
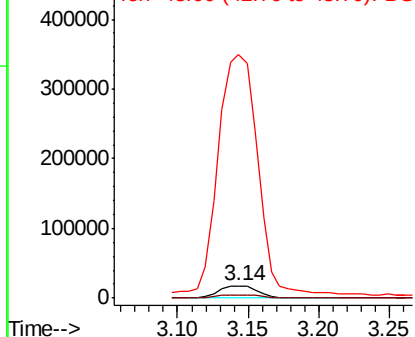
#2

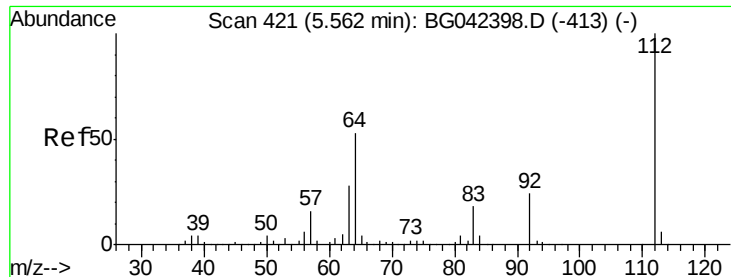
1,4-Dioxane
Concen: 21.794 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.28 min
Lab File: BG042451.D
Acq: 24 Aug 2019 2:31

Tgt Ion: 88 Resp: 32334
Ion Ratio Lower Upper
88 100
58 26.2 58.3 87.5#
43 2060.0 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: 135.999 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

Instrument :

BNA_G

ClientSampleId :

T1-2A

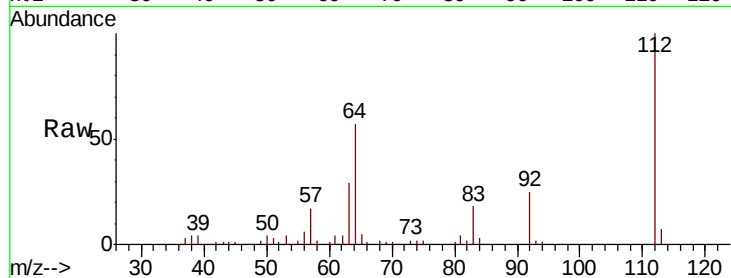
Tgt Ion: 112 Resp: 483488

Ion Ratio Lower Upper

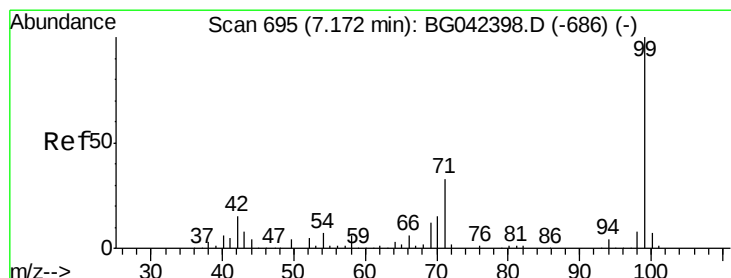
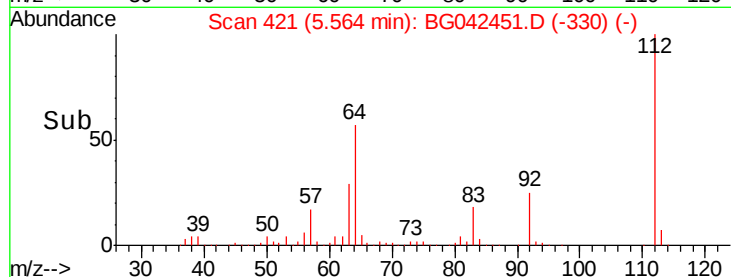
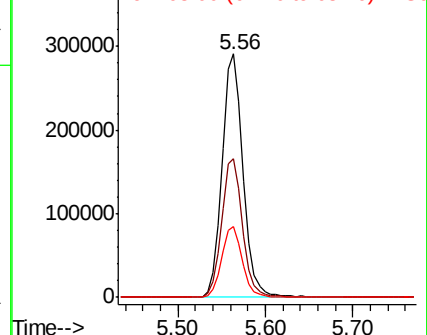
112 100

64 57.0 42.8 64.2

63 29.0 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: 125.096 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

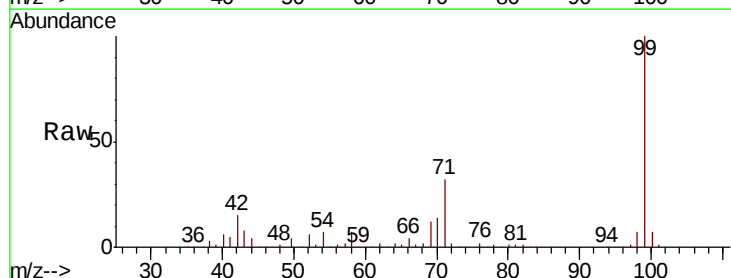
Tgt Ion: 99 Resp: 600725

Ion Ratio Lower Upper

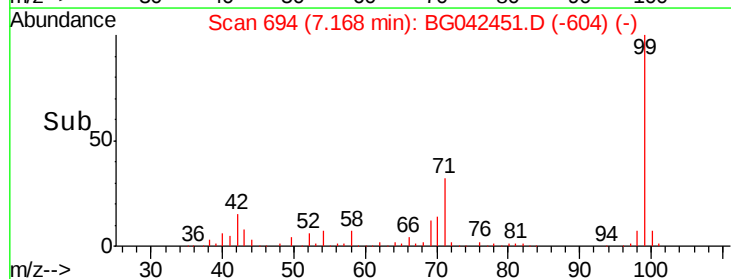
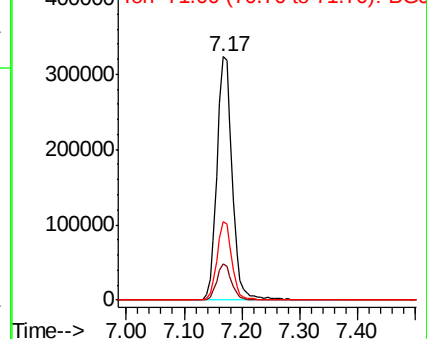
99 100

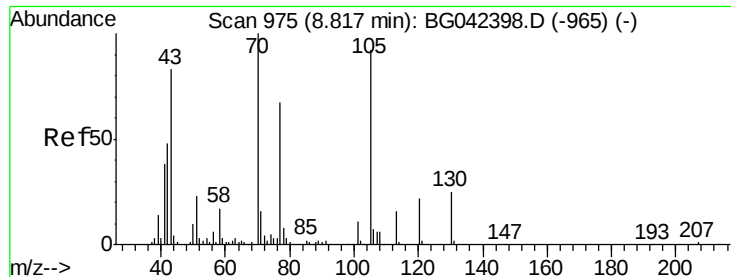
42 14.7 12.0 18.0

71 32.3 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

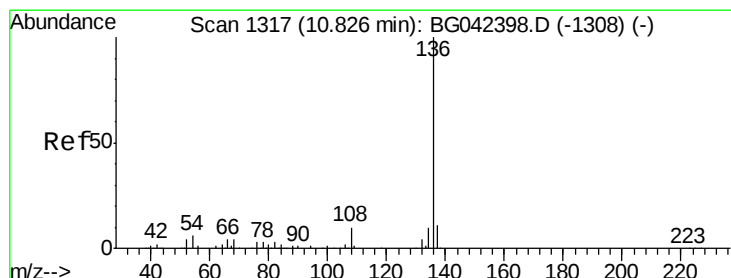
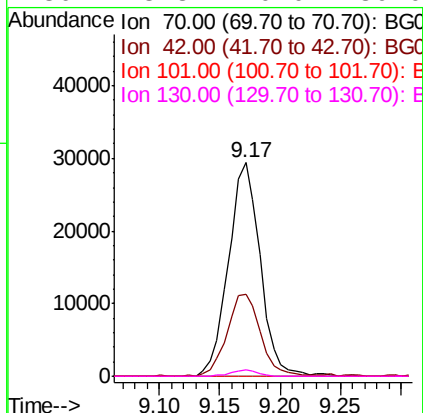
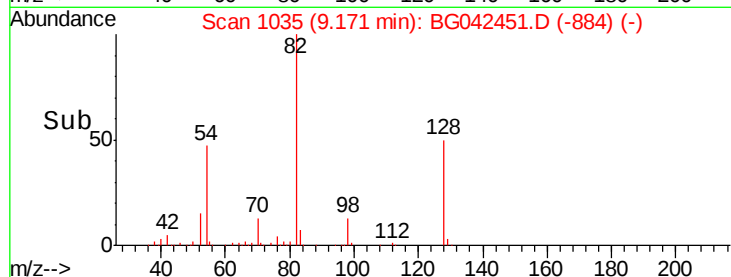
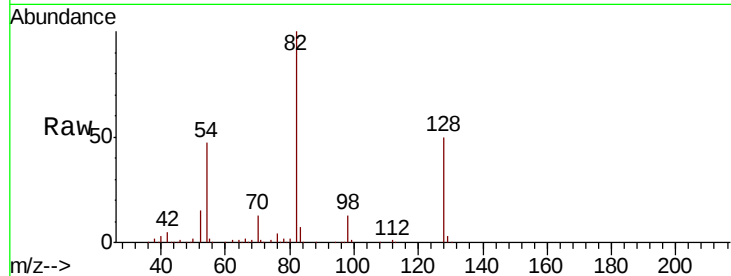




#19
n-Nitroso-di-n-propylamine
Concen: 17.277 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042451.D
Acq: 24 Aug 2019 2:31

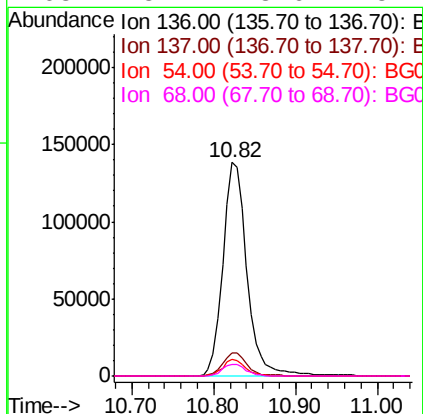
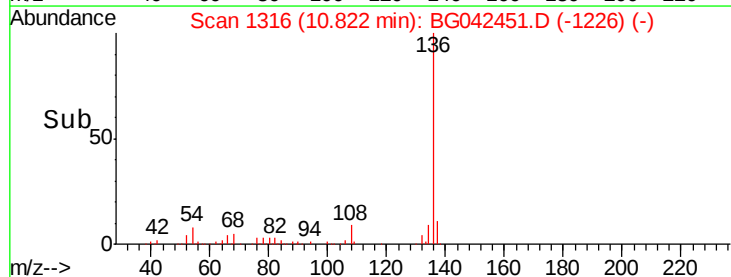
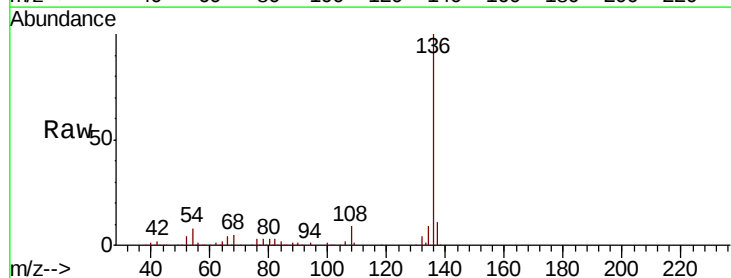
Instrument :
BNA_G
ClientSampled :
T1-2A

Tgt Ion: 70 Resp: 53750
Ion Ratio Lower Upper
70 100
42 38.5 38.8 58.2#
101 0.0 9.0 13.6#
130 3.3 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042451.D
Acq: 24 Aug 2019 2:31

Tgt Ion: 136 Resp: 284405
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.8 4.9 7.3#
68 5.4 3.6 5.4#

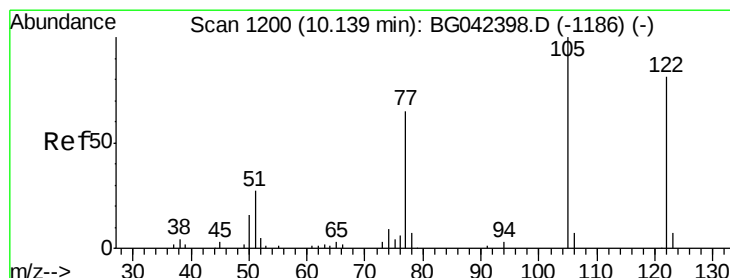
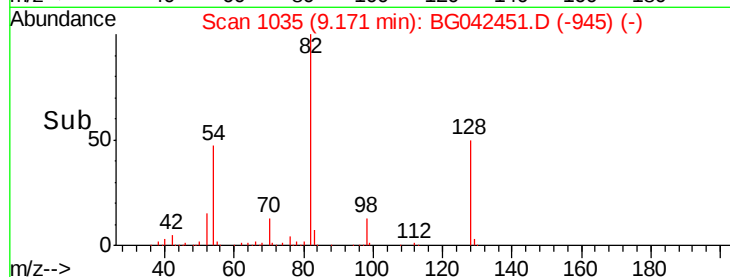
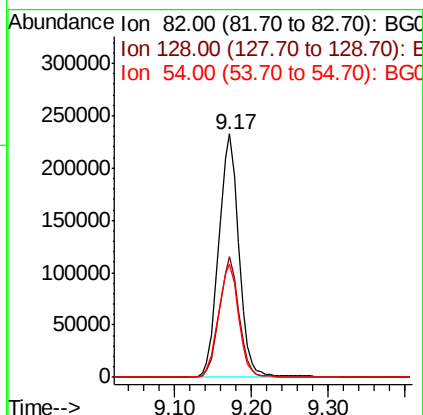
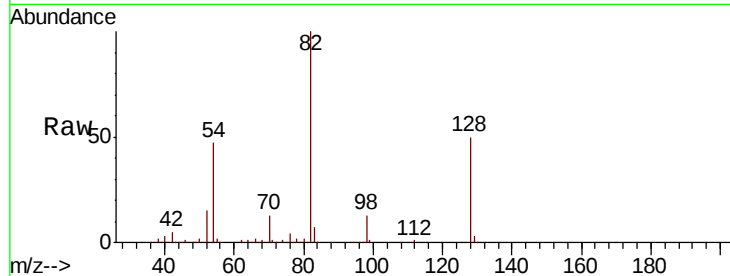




#23
 Nitrobenzene-d5
 Concen: 102.878 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG042451.D
 Acq: 24 Aug 2019 2:31

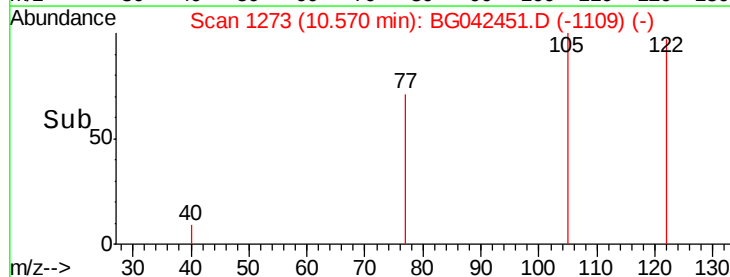
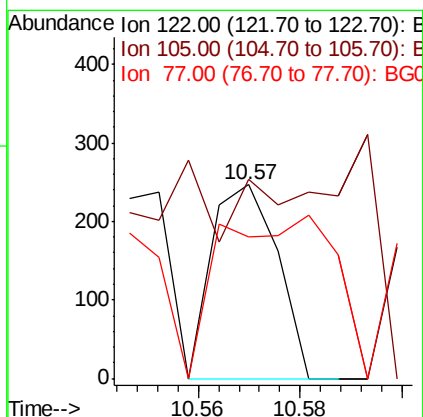
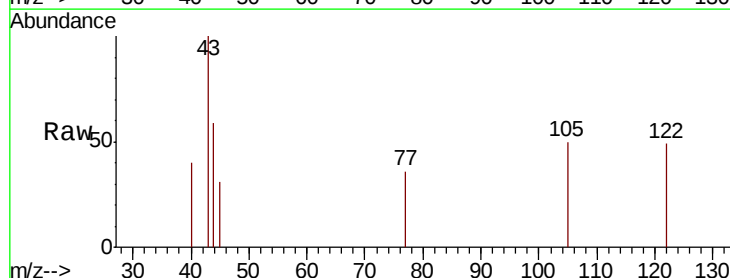
Instrument :
 BNA_G
 ClientSampleId :
 T1-2A

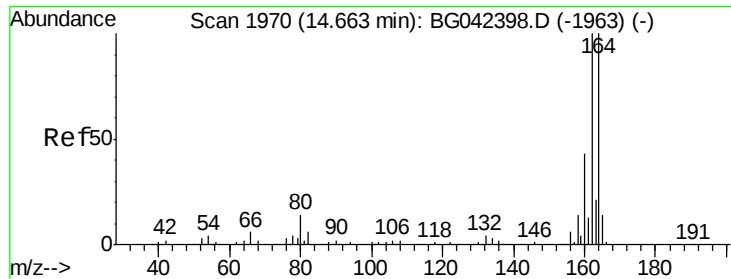
Tgt Ion: 82 Resp: 423407
 Ion Ratio Lower Upper
 82 100
 128 49.9 40.7 61.1
 54 46.6 36.3 54.5



#32
 Benzoic acid
 Concen: 8.240 ng
 RT: 10.57 min Scan# 1273
 Delta R.T. 0.43 min
 Lab File: BG042451.D
 Acq: 24 Aug 2019 2:31

Tgt Ion: 122 Resp: 222
 Ion Ratio Lower Upper
 122 100
 105 102.8 99.6 139.6
 77 73.3 59.5 99.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

Instrument :

BNA_G

ClientSampleId :

T1-2A

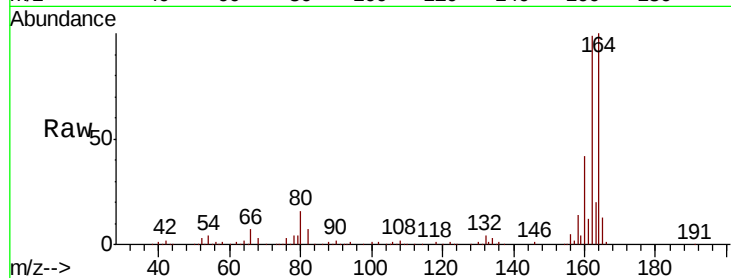
Tgt Ion:164 Resp: 197702

Ion Ratio Lower Upper

164 100

162 99.1 79.9 119.9

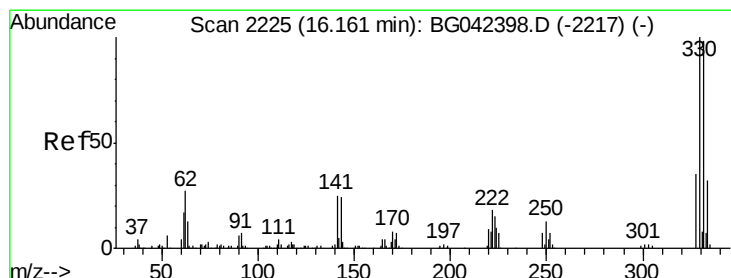
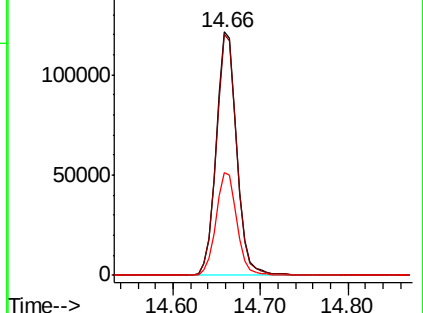
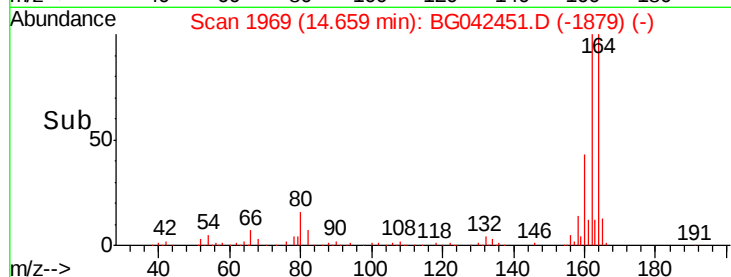
160 42.4 34.3 51.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 120.393 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

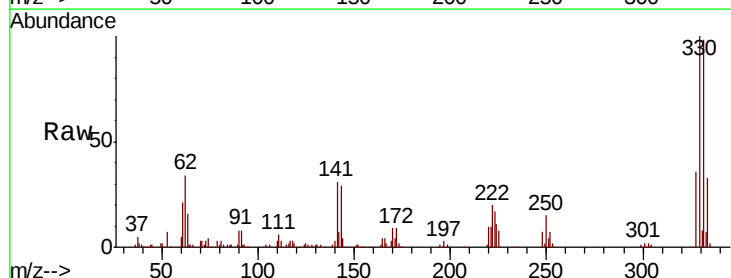
Tgt Ion:330 Resp: 338306

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

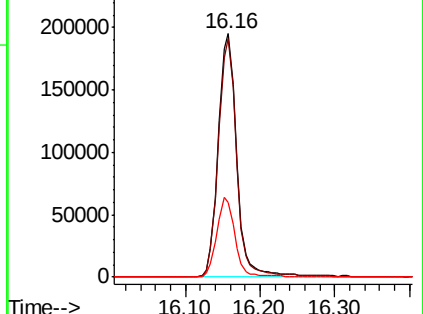
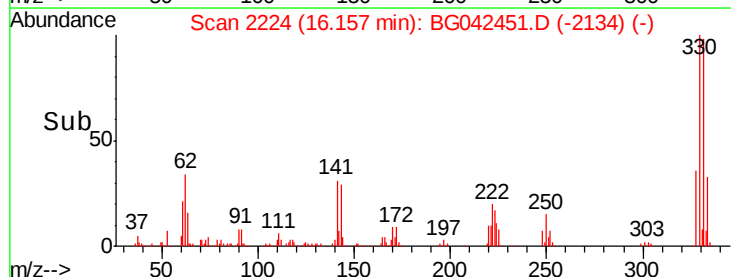
141 32.2 21.4 32.0#

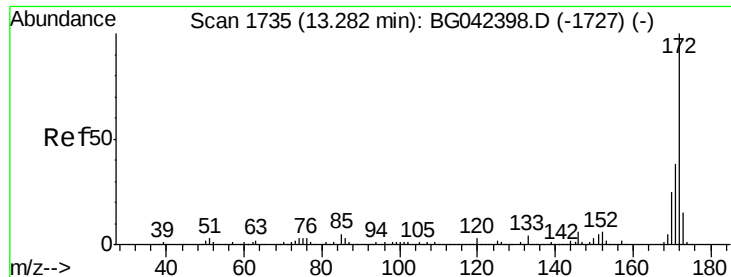


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

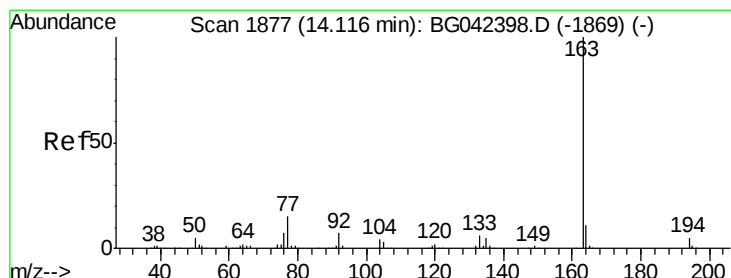
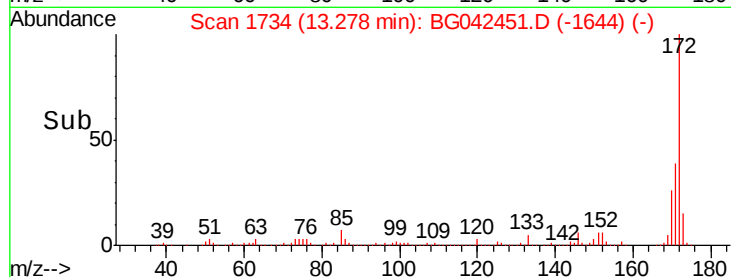
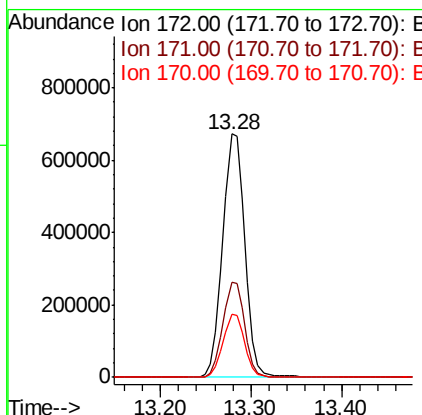
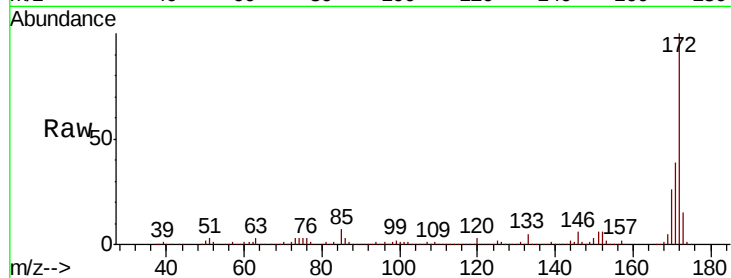




#45
 2-Fluorobiphenyl
 Concen: 97.785 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042451.D
 Acq: 24 Aug 2019 2:31

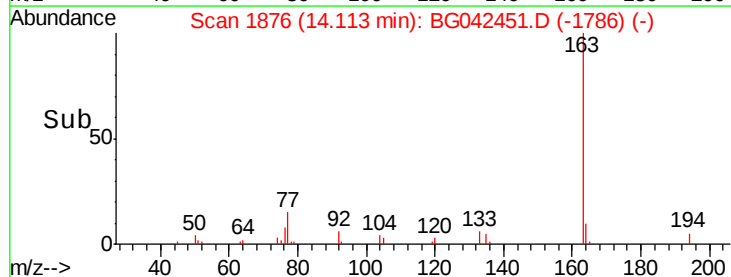
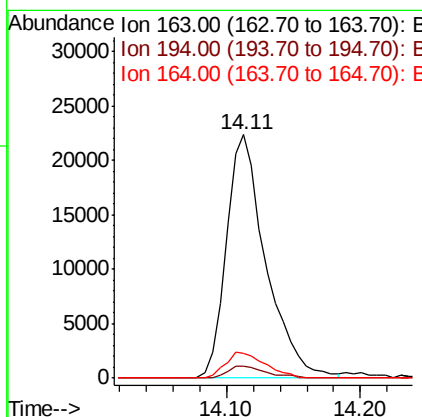
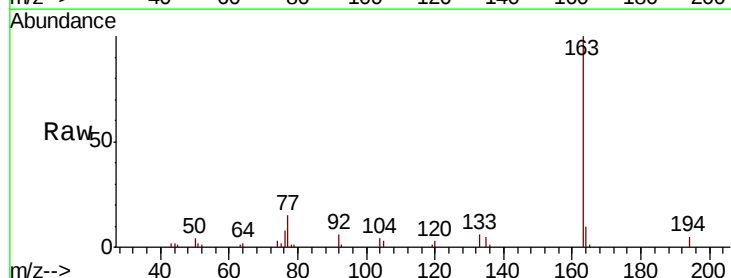
Instrument :
 BNA_G
 ClientSampled :
 T1-2A

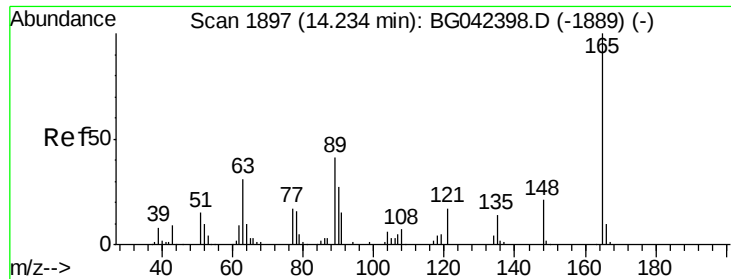
Tgt Ion:172 Resp: 1143059
 Ion Ratio Lower Upper
 172 100
 171 39.0 30.5 45.7
 170 25.9 20.2 30.2



#50
 Dimethylphthalate
 Concen: 3.220 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: BG042451.D
 Acq: 24 Aug 2019 2:31

Tgt Ion:163 Resp: 45937
 Ion Ratio Lower Upper
 163 100
 194 5.1 4.2 6.2
 164 10.0 8.8 13.2

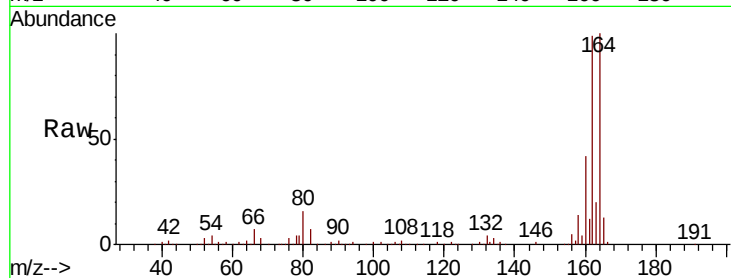




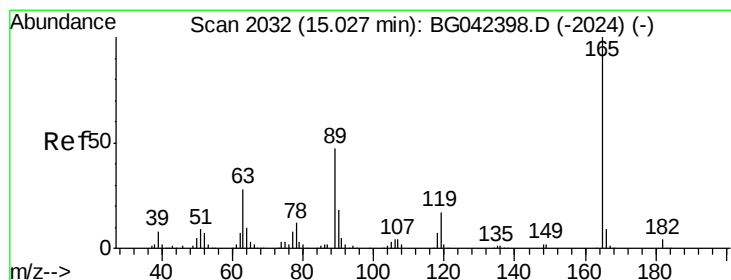
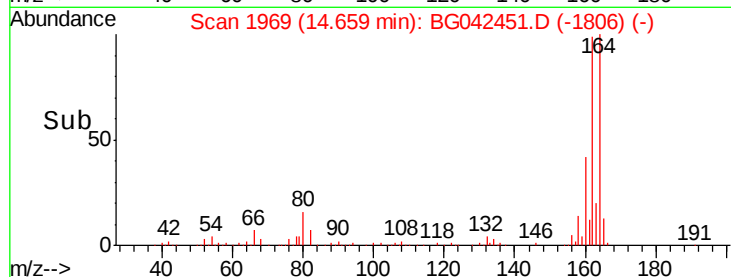
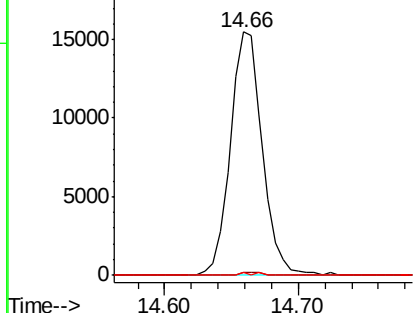
#51
 2,6-Dinitrotoluene
 Concen: 7.770 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG042451.D
 Acq: 24 Aug 2019 2:31

Instrument :
 BNA_G
 ClientSampleId :
 T1-2A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	30.6	45.8#
89	1.1	32.6	49.0#



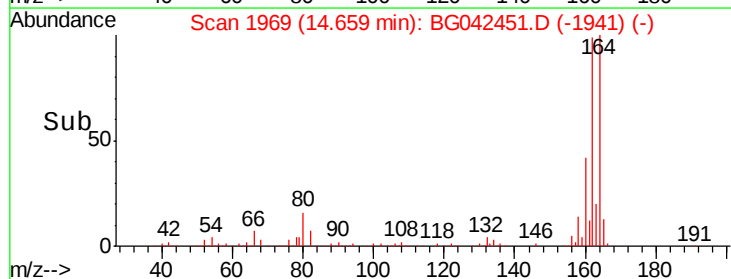
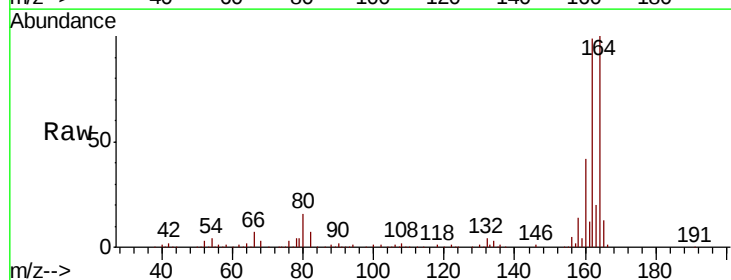
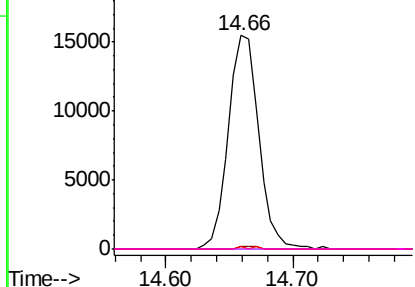
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

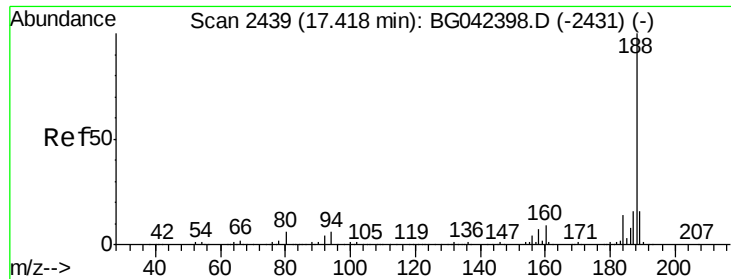


#57
 2,4-Dinitrotoluene
 Concen: 5.426 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042451.D
 Acq: 24 Aug 2019 2:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	22.5	33.7#
89	1.1	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. -0.00 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

Instrument :

BNA_G

ClientSampleId :

T1-2A

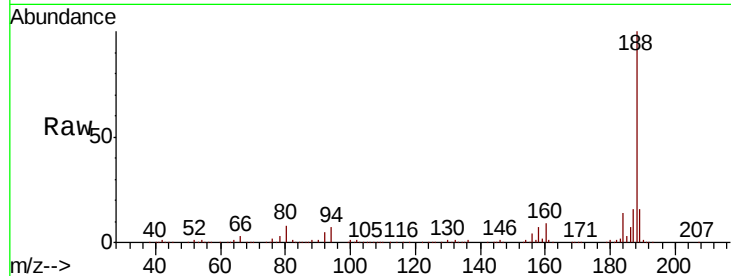
Tgt Ion:188 Resp: 425459

Ion Ratio Lower Upper

188 100

94 7.2 4.5 6.7#

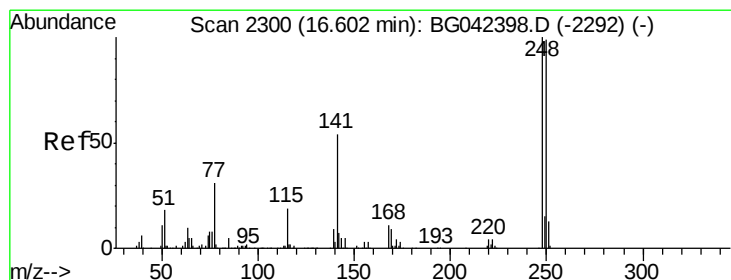
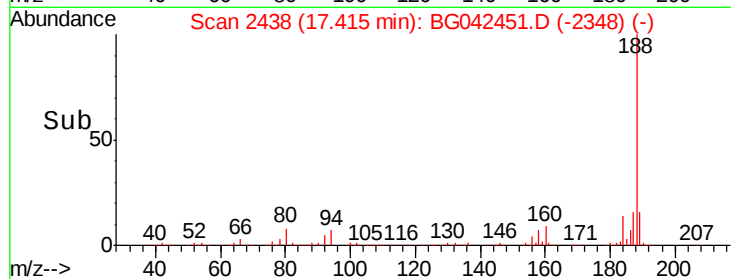
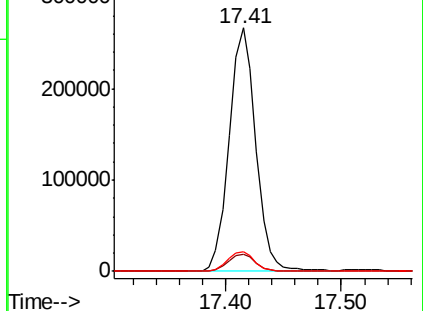
80 7.9 4.9 7.3#



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: 4.476 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.44 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

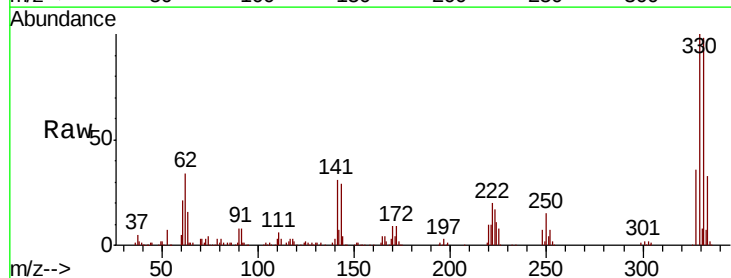
Tgt Ion:248 Resp: 24156

Ion Ratio Lower Upper

248 100

250 205.8 78.9 118.3#

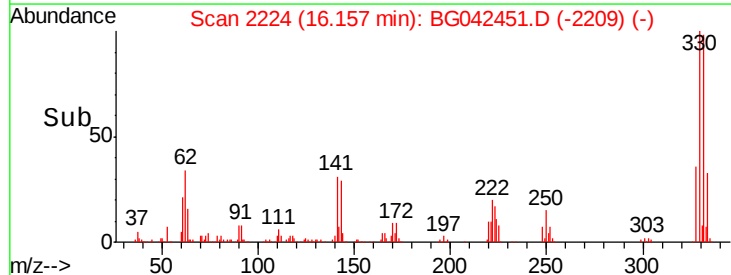
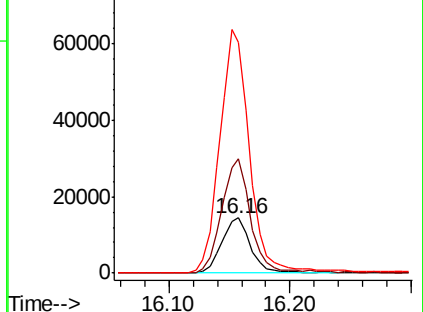
141 416.6 43.3 64.9#

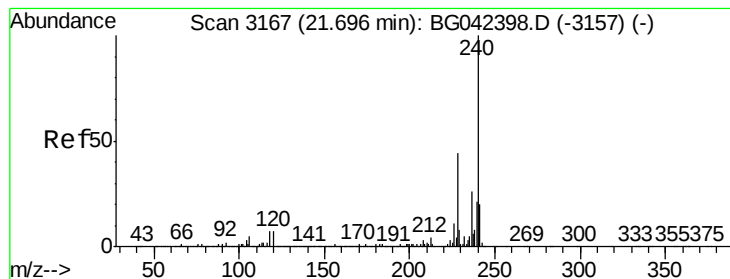


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

Instrument :

BNA_G

ClientSampleId :

T1-2A

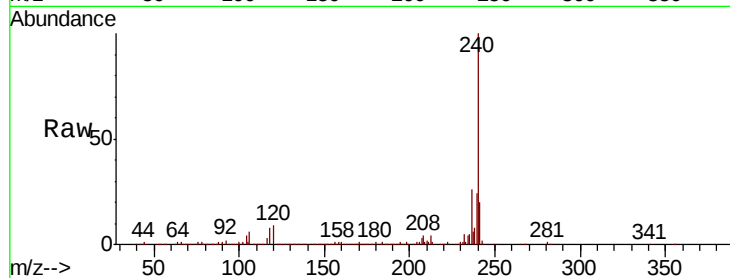
Tgt Ion:240 Resp: 411902

Ion Ratio Lower Upper

240 100

120 8.5 5.7 8.5#

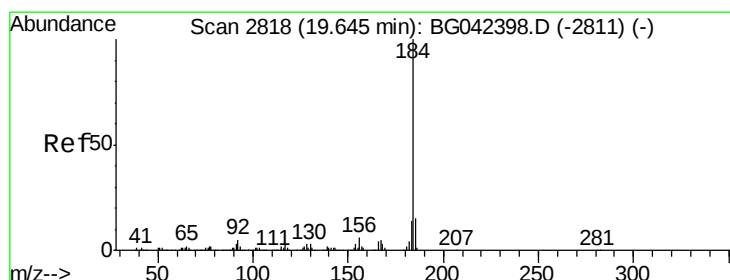
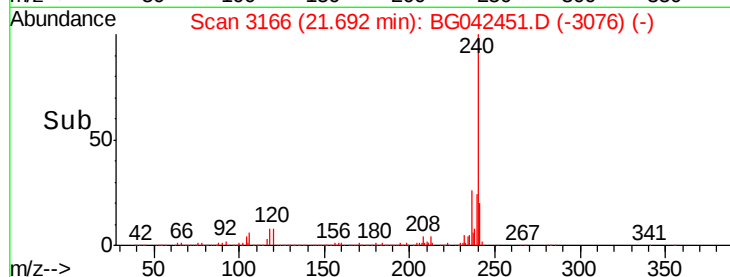
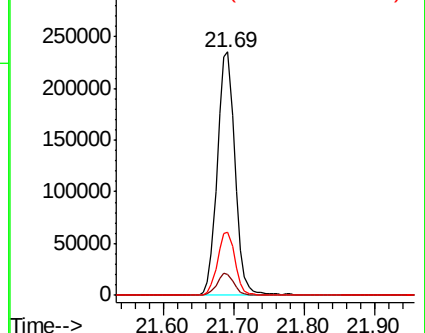
236 25.9 21.0 31.4



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: 2.330 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

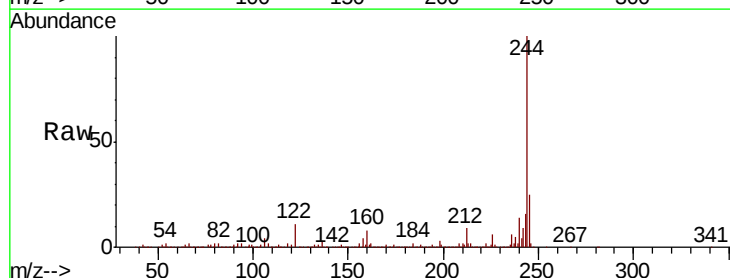
Tgt Ion:184 Resp: 27518

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.4

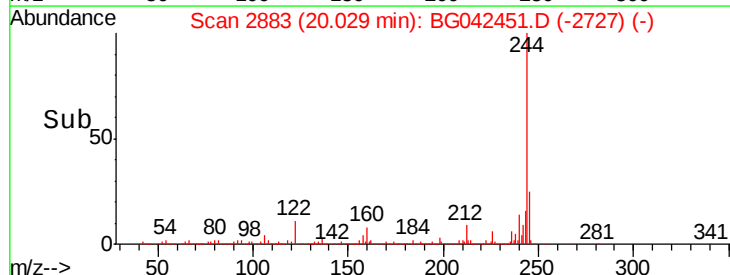
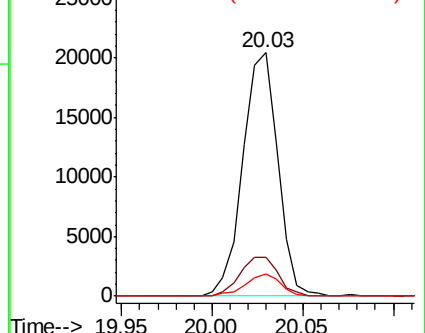
183 9.4 10.8 16.2#

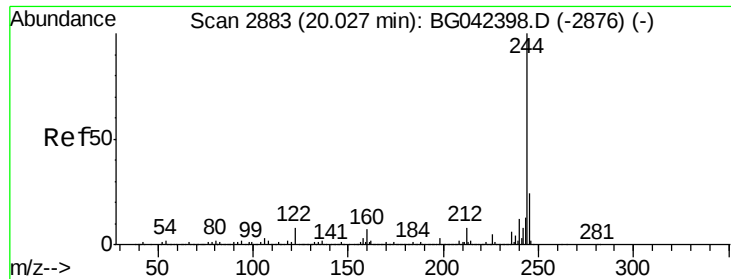


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 95.220 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

Instrument :

BNA_G

ClientSampleId :

T1-2A

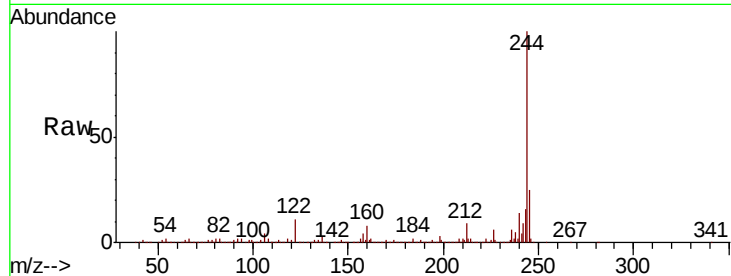
Tgt Ion:244 Resp: 1814190

Ion Ratio Lower Upper

244 100

212 8.8 6.0 9.0

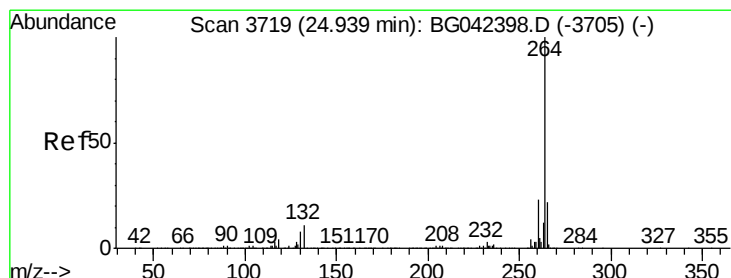
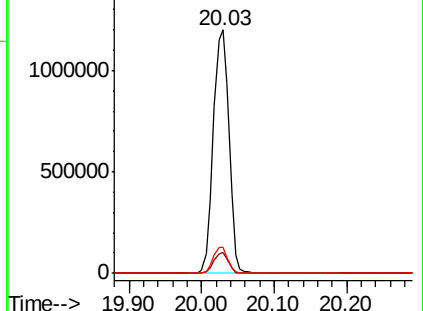
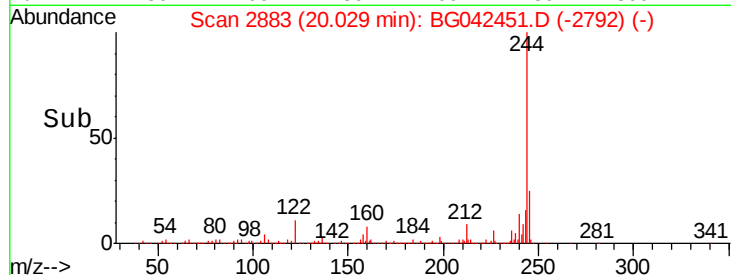
122 10.7 6.7 10.1#



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: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042451.D

Acq: 24 Aug 2019 2:31

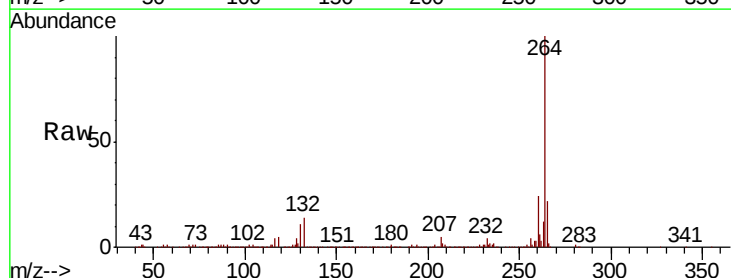
Tgt Ion:264 Resp: 472718

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 22.2 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

