

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100719\
 Data File : BG043068.D
 Acq On : 7 Oct 2019 15:20
 Operator : JU
 Sample : PB123604BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 08 01:46:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

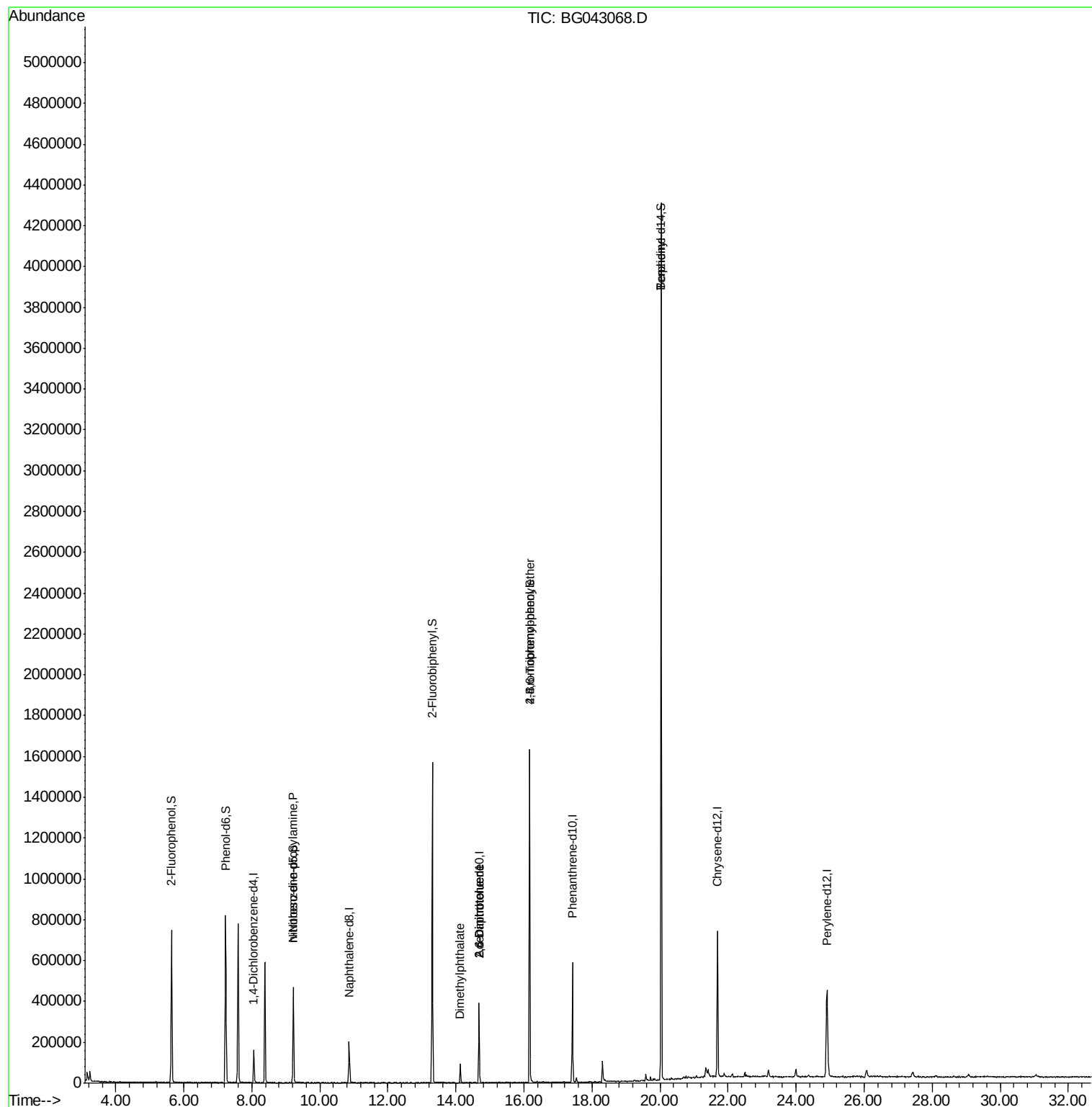
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	48346	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	177856	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	142353	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	378147	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	437856	20.00	ng	-0.03
87) Perylene-d12	24.91	264	500699	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	326554	120.54	ng	-0.02
7) Phenol-d6	7.23	99	479005	122.79	ng	-0.02
23) Nitrobenzene-d5	9.22	82	291325	79.61	ng	-0.02
42) 2,4,6-Tribromophenol	16.16	330	351652	143.66	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	823474	83.86	ng	-0.02
79) Terphenyl-d14	20.03	244	2038642	99.21	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	41319	16.130	ng	# 68
50) Dimethylphthalate	14.12	163	57938	5.432	ng	# 97
51) 2,6-Dinitrotoluene	14.68	165	18730	8.246	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	18730	5.631	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	22979	4.842	ng	# 1
77) Benzidine	20.03	184	34471	3.144	ng	# 93

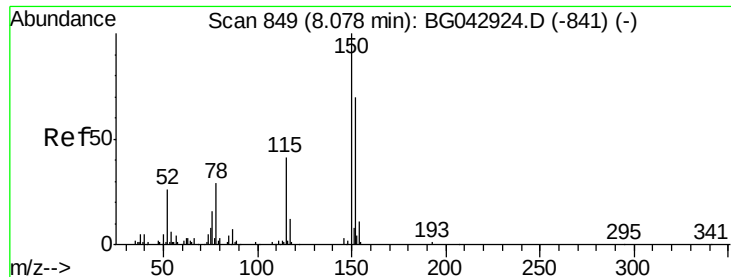
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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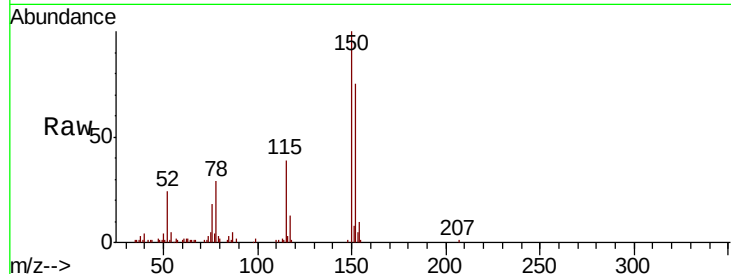


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043068.D
Acq: 7 Oct 2019 15:20

Instrument :
BNA_G
ClientSampled :

Tot Ion	152	Resp	48346
Ion Ratio	100	Lower	Upper
150	133.8	115.0	172.4
115	51.7	47.0	70.6

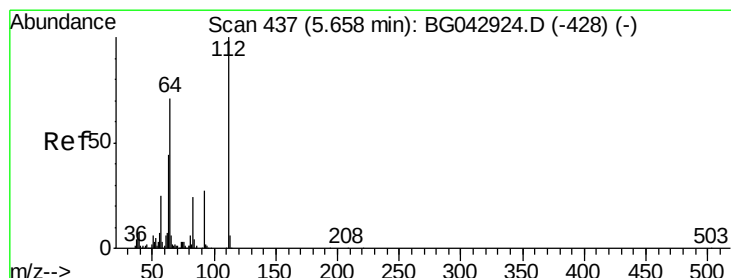
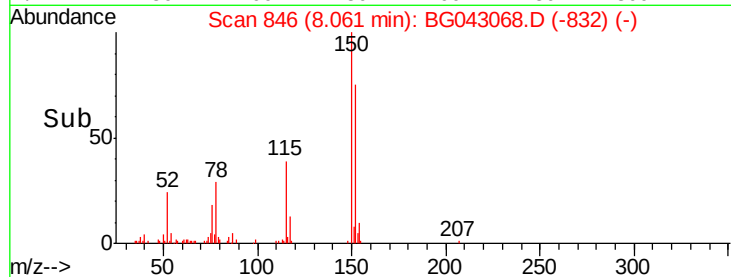
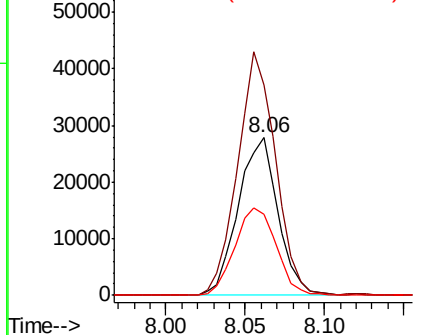


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

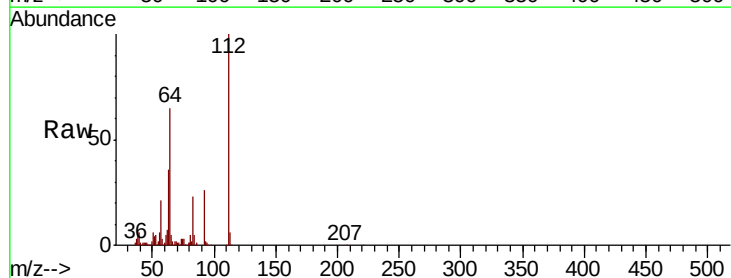
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.543 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG043068.D
Acq: 7 Oct 2019 15:20

Tgt Ion	112	Resp	326554
Ion Ratio	100	Lower	Upper
64	64.6	56.6	84.8
63	35.7	35.1	52.7

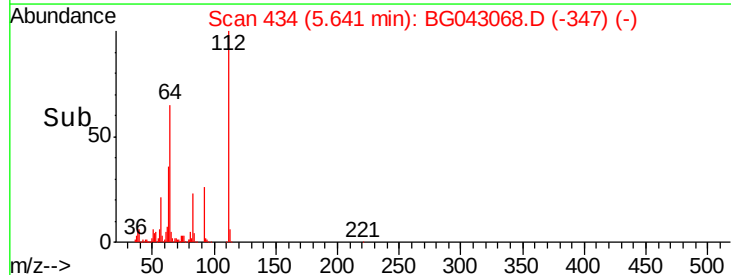
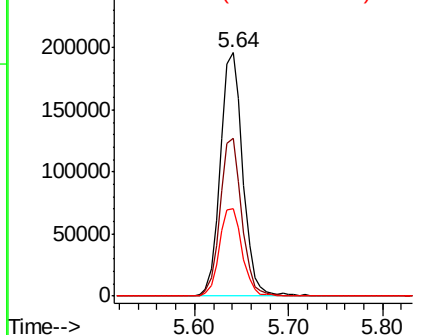


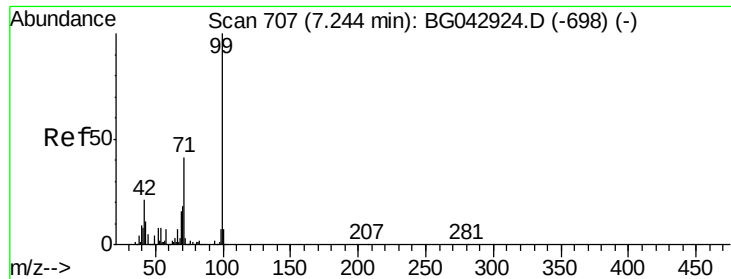
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 122.785 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.02 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

Instrument :

BNA_G

ClientSampleId :

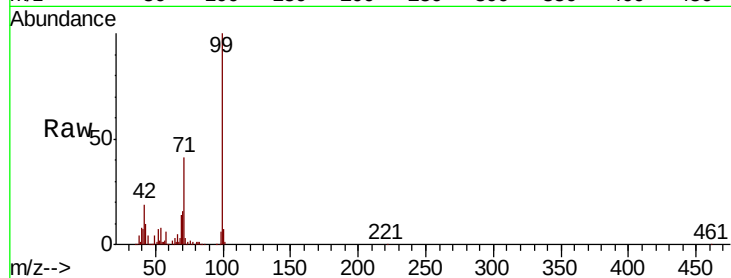
Tot Ion: 99 Resp: 479005

Ion Ratio Lower Upper

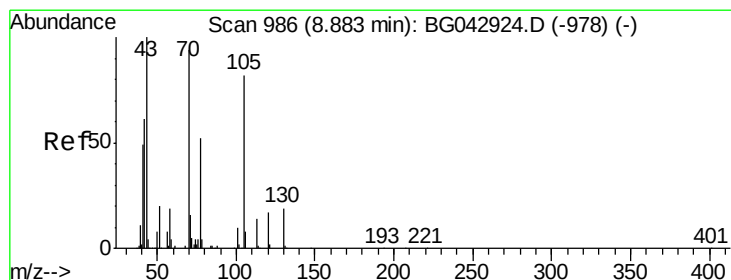
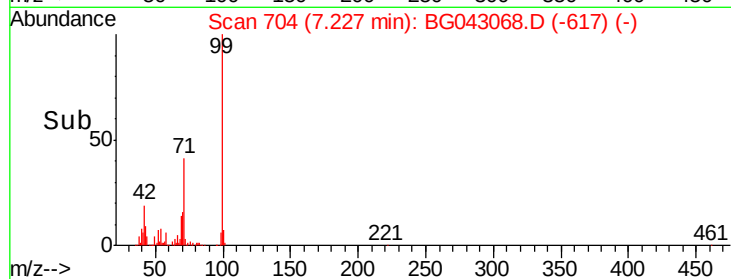
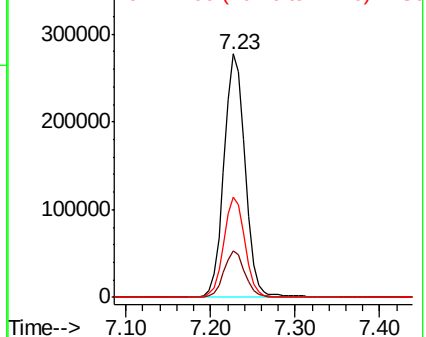
99 100

42 19.1 17.2 25.8

71 41.1 33.1 49.7



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: 16.130 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

Tgt Ion: 70 Resp: 41319

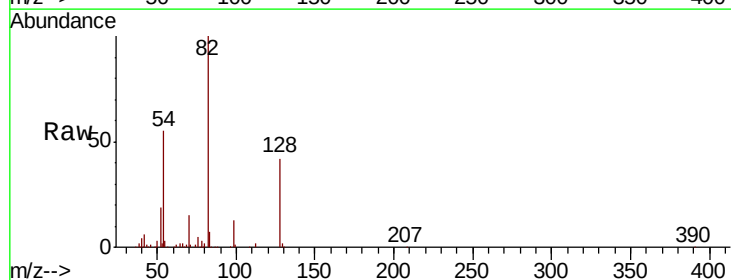
Ion Ratio Lower Upper

70 100

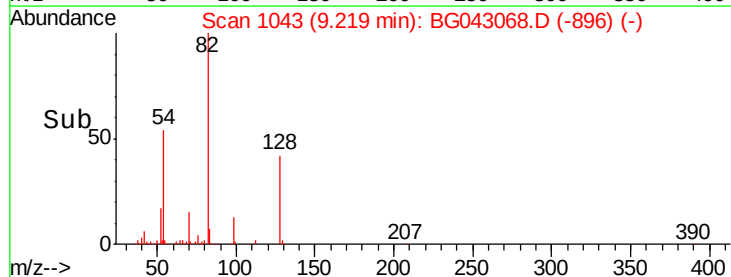
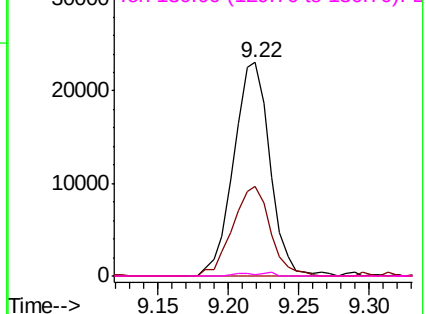
42 42.2 52.6 79.0#

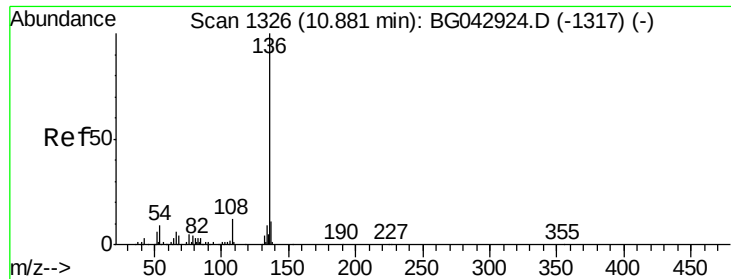
101 0.0 8.7 13.1#

130 0.8 15.8 23.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

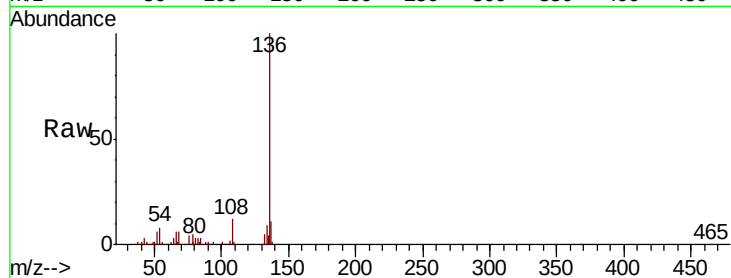




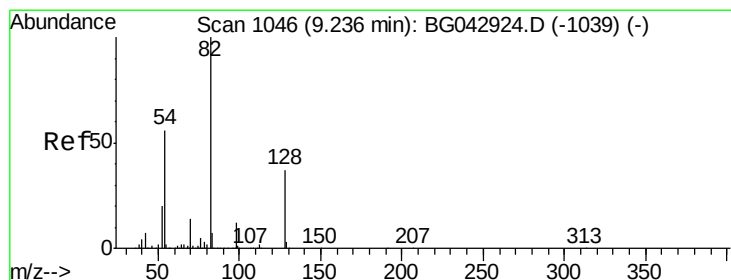
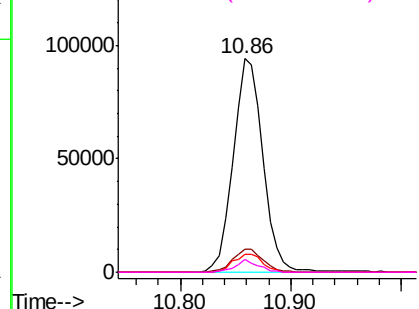
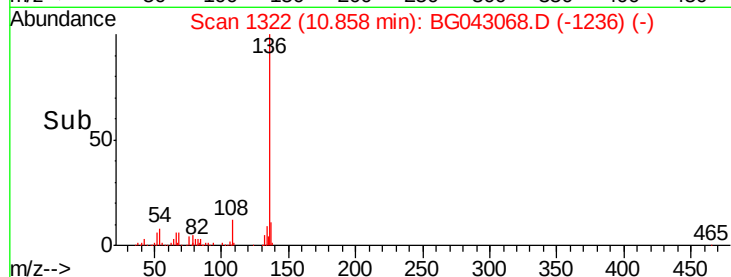
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BG043068.D
Acq: 7 Oct 2019 15:20

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	177856	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.5	12.7	
54 8.5	7.4	11.2	
68 5.8	3.6	5.4#	

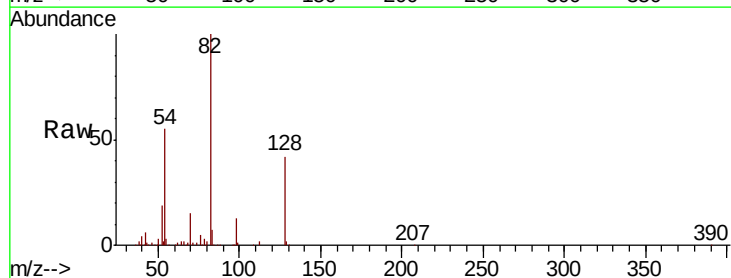


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

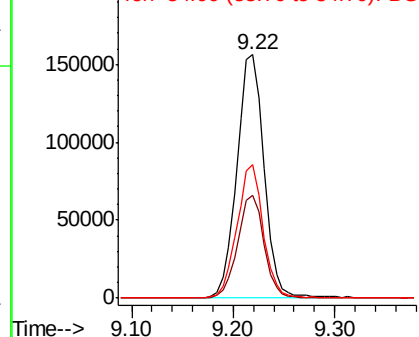
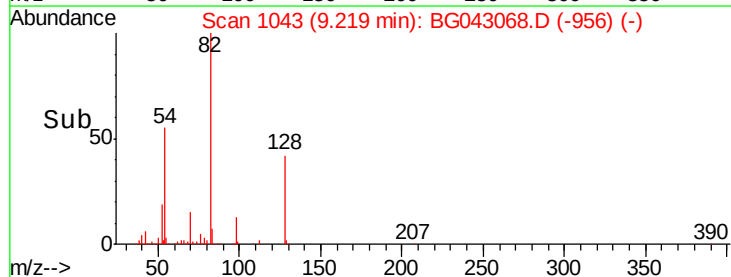


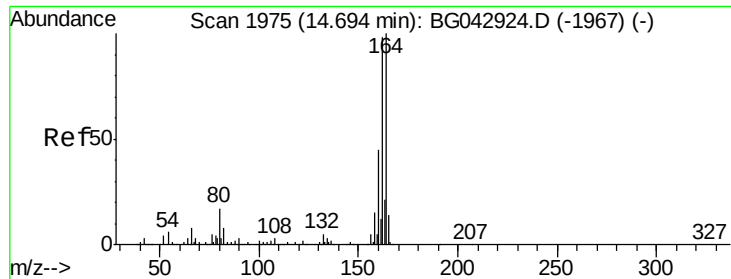
#23
Nitrobenzene-d5
Concen: 79.614 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG043068.D
Acq: 7 Oct 2019 15:20

Tgt	Ion: 82	Resp:	291325
Ion	Ratio	Lower	Upper
82	100		
128	42.1	29.5	44.3
54	54.9	44.6	67.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.02 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

Instrument :

BNA_G

ClientSampleId :

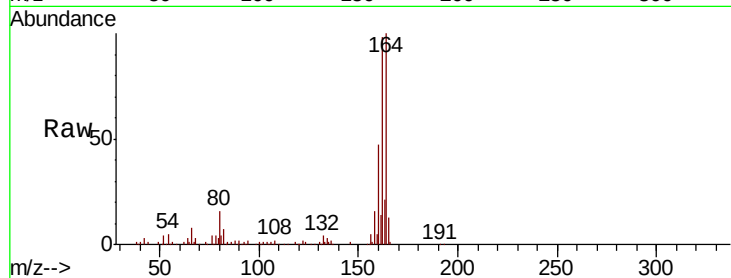
Tot Ion:164 Resp: 142353

Ion Ratio Lower Upper

164 100

162 97.7 78.5 117.7

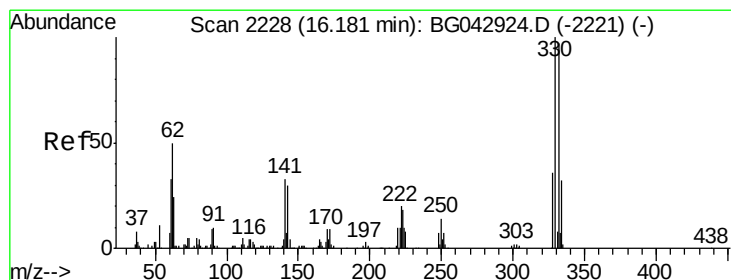
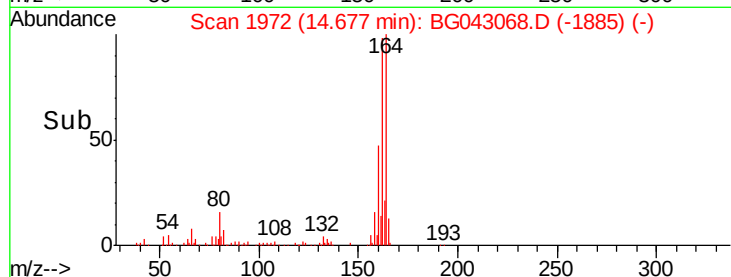
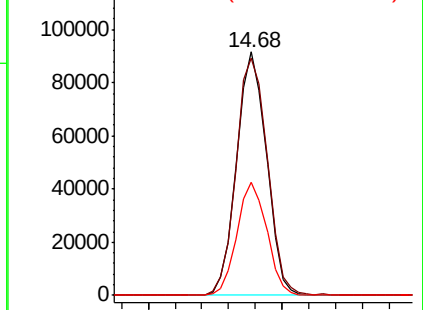
160 46.5 35.9 53.9



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: 143.658 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.02 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

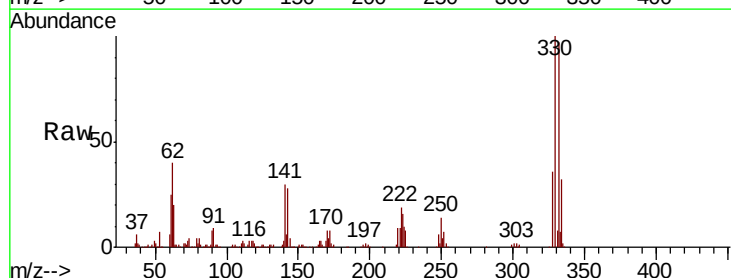
Tgt Ion:330 Resp: 351652

Ion Ratio Lower Upper

330 100

332 97.7 78.2 117.2

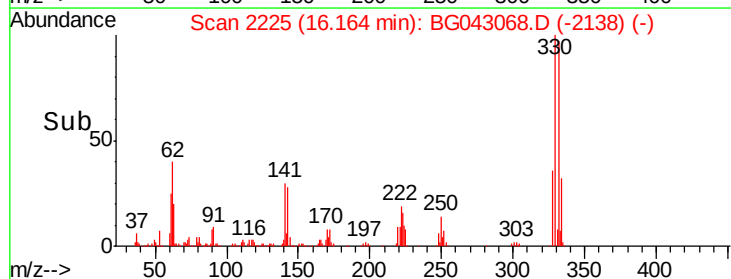
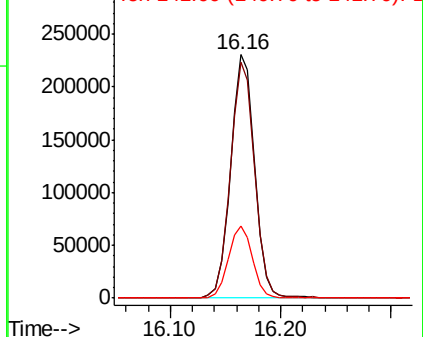
141 29.7 26.0 39.0

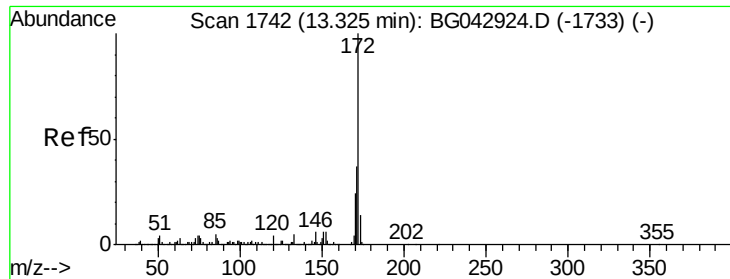


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 83.861 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.02 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

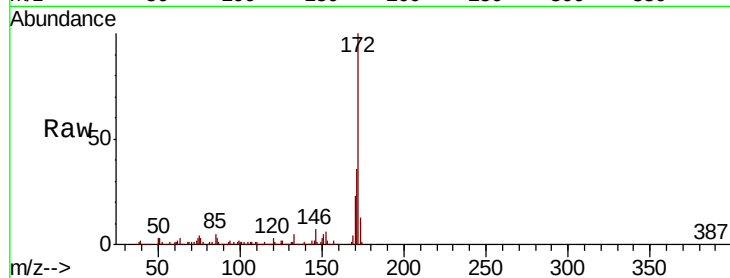
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 823474

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.2	19.6	29.4

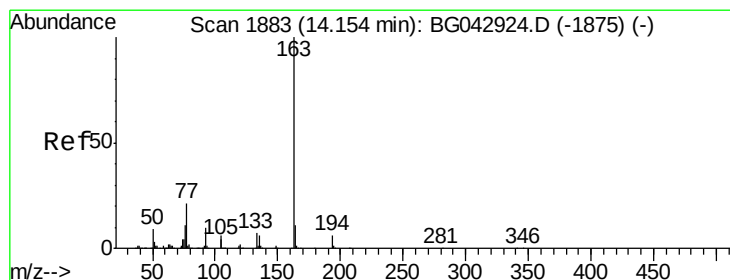
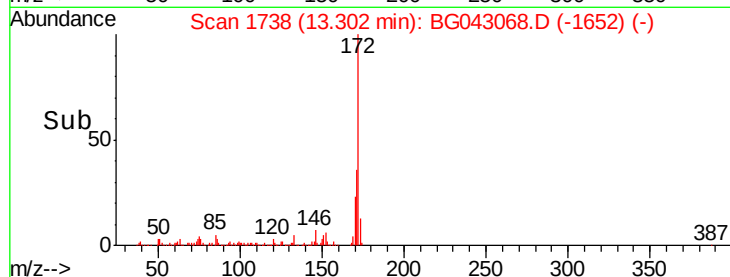
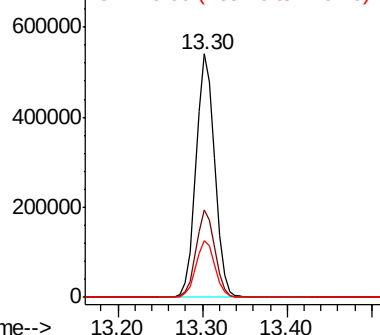


Abundance

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: 5.432 ng

RT: 14.12 min Scan# 1878

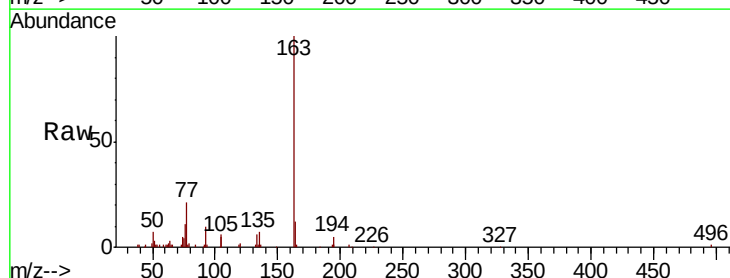
Delta R.T. -0.03 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

Tgt Ion:163 Resp: 57938

Ion	Ratio	Lower	Upper
163	100		
194	5.3	4.4	6.6
164	12.3	8.6	12.8

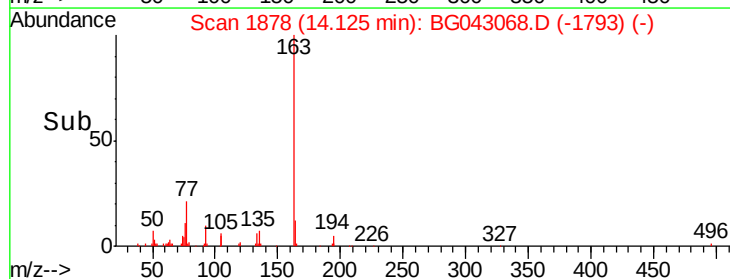
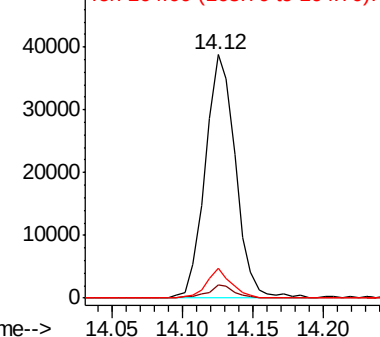


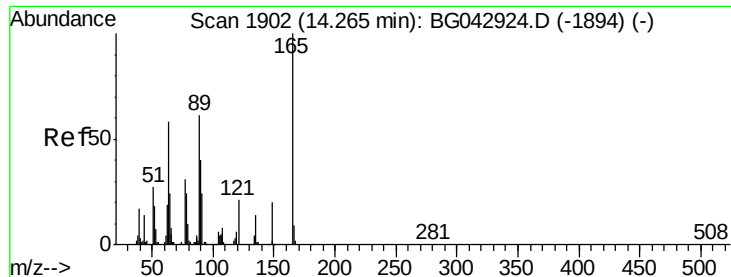
Abundance

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: 8.246 ng

RT: 14.68 min Scan# 1972

Delta R.T. 0.41 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

Instrument :

BNA_G

ClientSampleId :

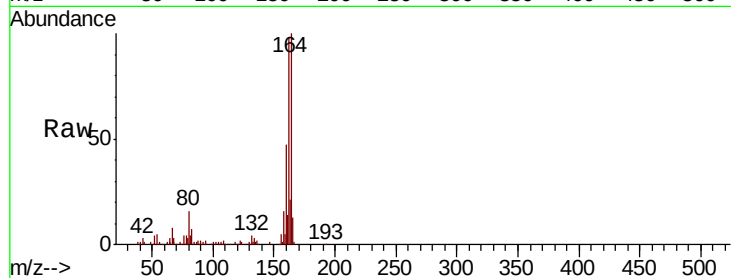
Tot Ion:165 Resp: 18730

Ion Ratio Lower Upper

165 100

63 0.0 50.3 75.5#

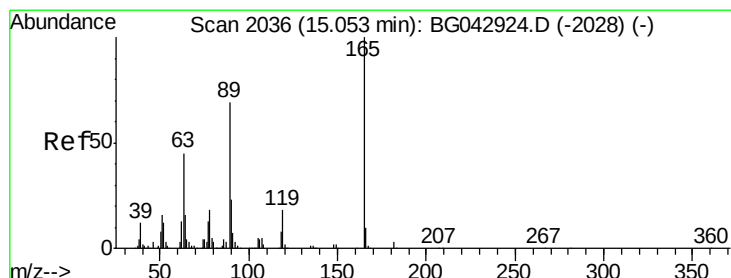
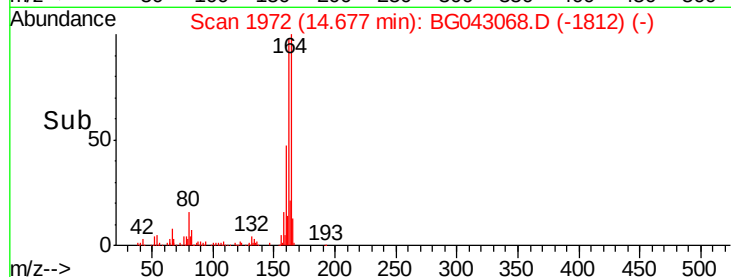
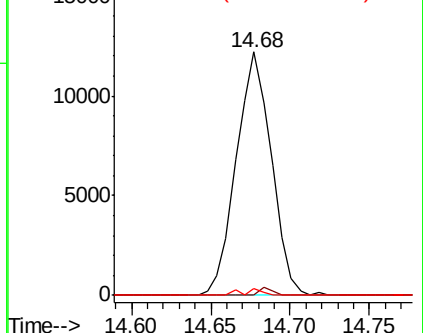
89 2.7 48.9 73.3#



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: 5.631 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.38 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

Tgt Ion:165 Resp: 18730

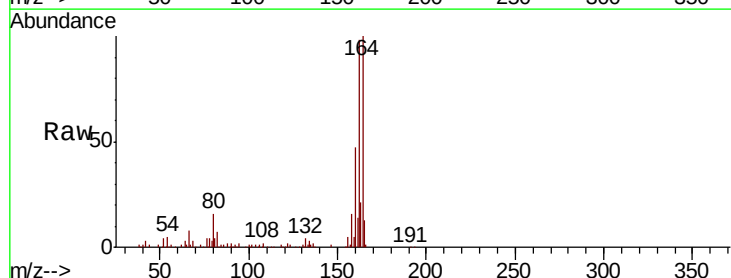
Ion Ratio Lower Upper

165 100

63 0.0 36.5 54.7#

89 2.7 55.5 83.3#

182 0.0 2.4 3.6#

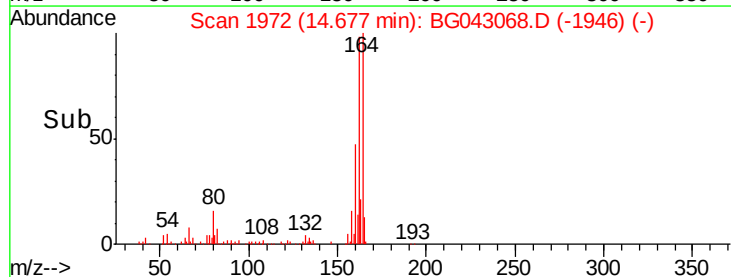
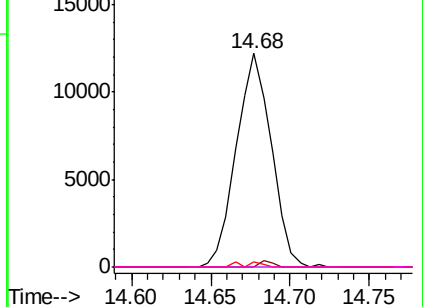


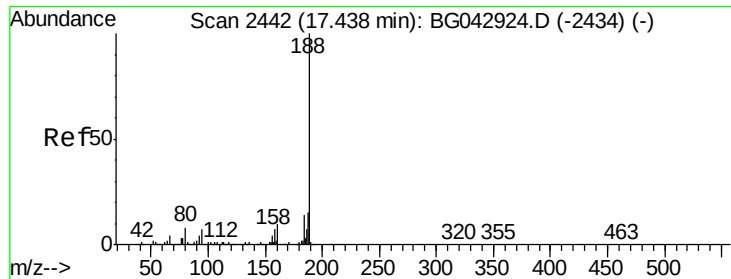
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

Instrument :

BNA_G

ClientSampled :

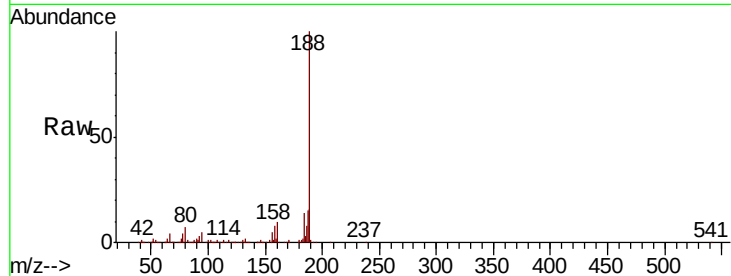
Tot Ion:188 Resp: 378147

Ion Ratio Lower Upper

188 100

94 5.5 5.7 8.5#

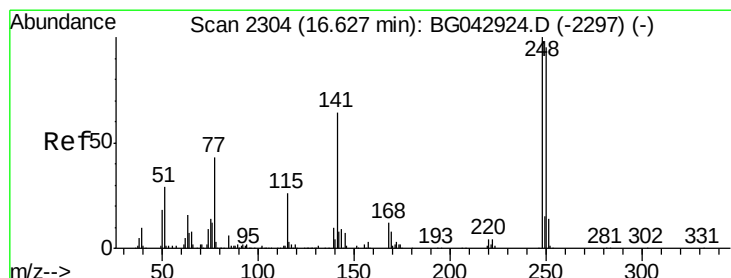
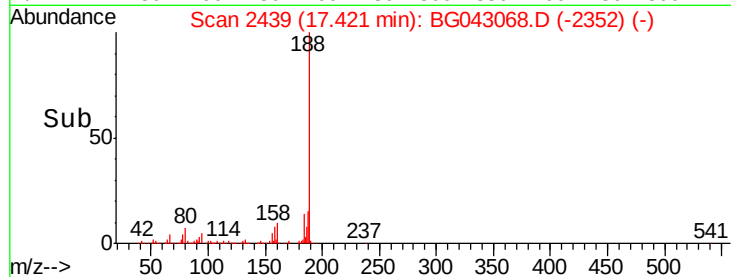
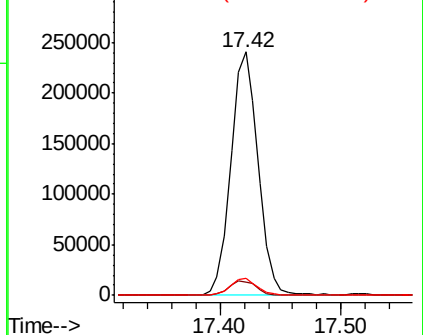
80 6.8 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.842 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

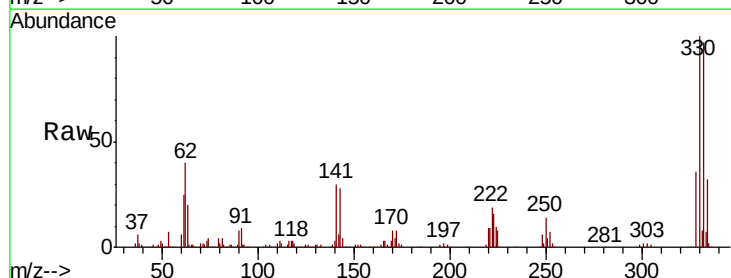
Tgt Ion:248 Resp: 22979

Ion Ratio Lower Upper

248 100

250 228.5 75.8 113.8#

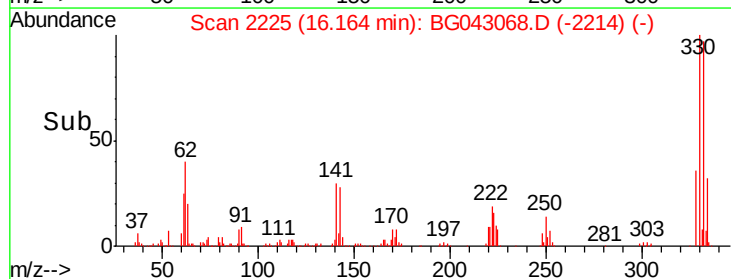
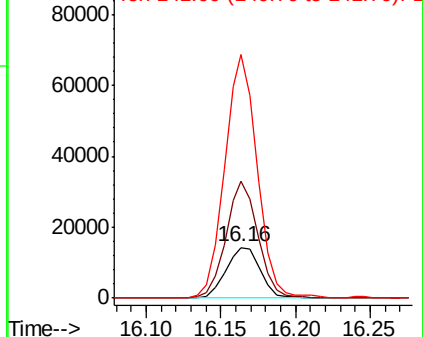
141 478.1 51.1 76.7#

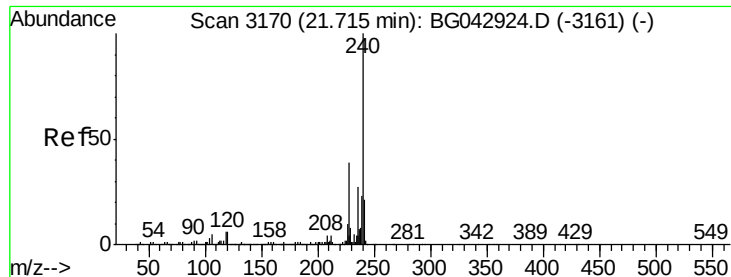


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3165

Delta R.T. -0.03 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

Instrument :

BNA_G

ClientSampleId :

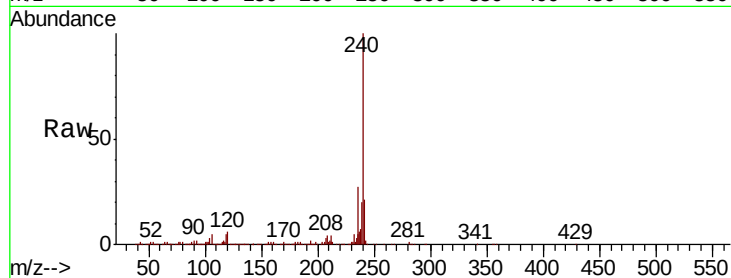
Tot Ion:240 Resp: 437856

Ion Ratio Lower Upper

240 100

120 5.7 4.8 7.2

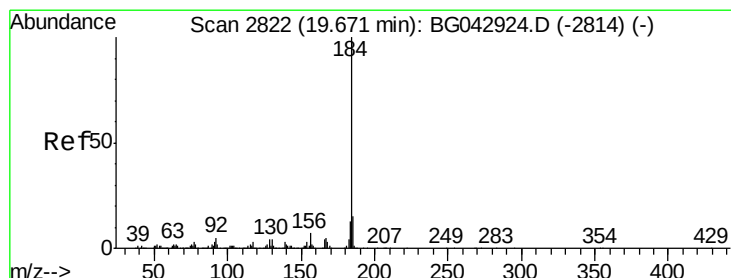
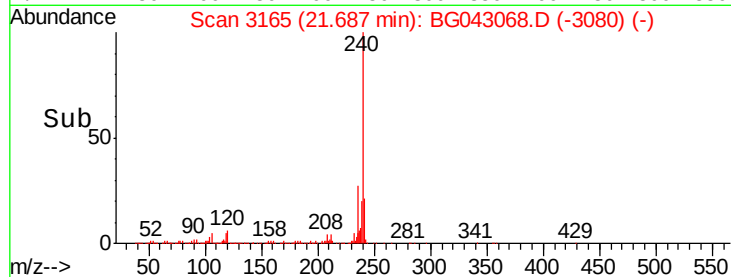
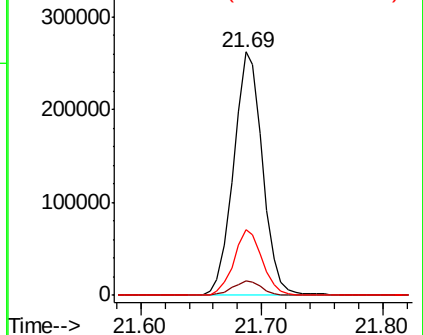
236 26.8 21.4 32.0



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: 3.144 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

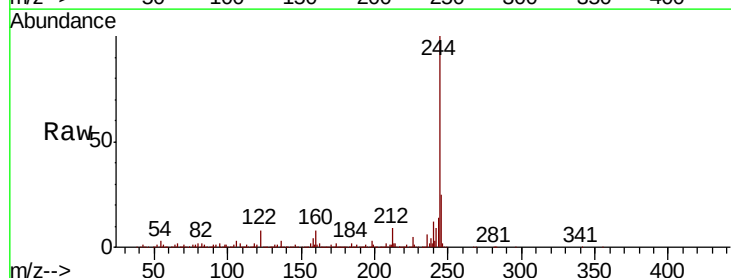
Tgt Ion:184 Resp: 34471

Ion Ratio Lower Upper

184 100

185 16.8 11.8 17.8

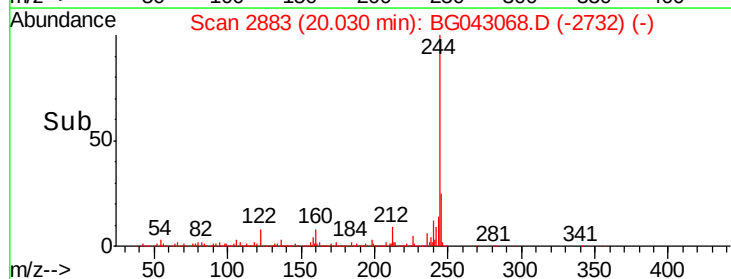
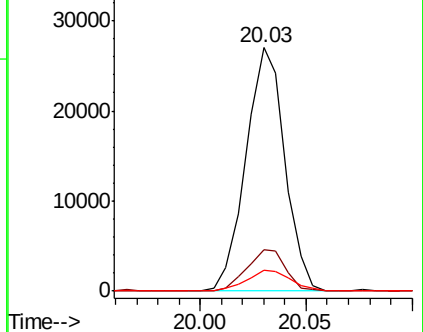
183 8.5 10.1 15.1#

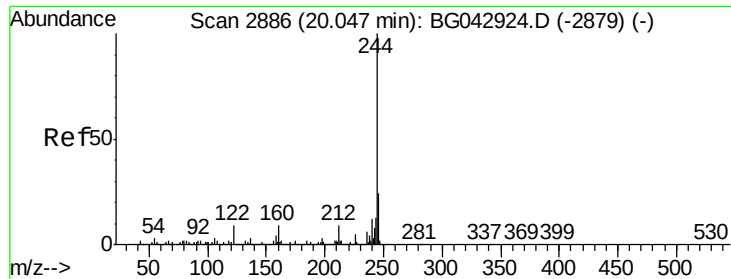


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 99.213 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

Instrument :

BNA_G

ClientSampleId :

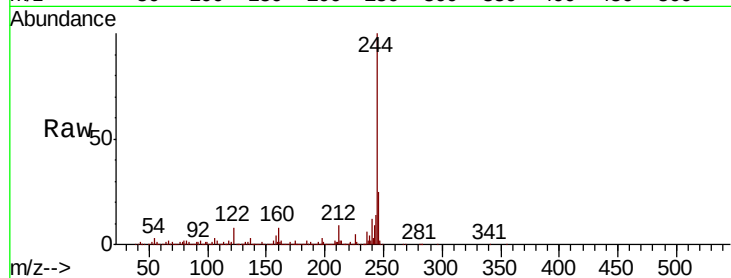
Tot Ion:244 Resp: 2038642

Ion Ratio Lower Upper

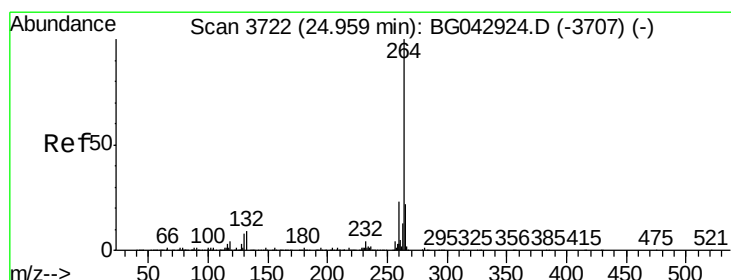
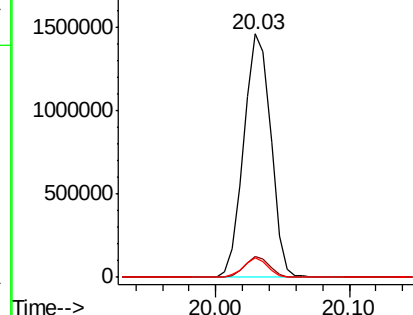
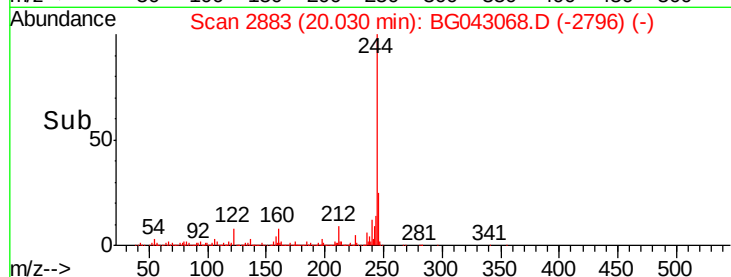
244 100

212 8.5 7.4 11.0

122 8.2 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E
2000000
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: 24.91 min Scan# 3713

Delta R.T. -0.05 min

Lab File: BG043068.D

Acq: 7 Oct 2019 15:20

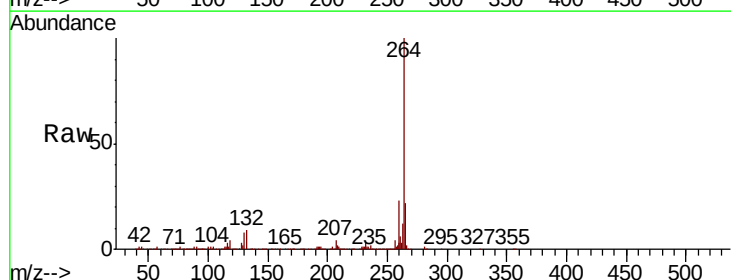
Tgt Ion:264 Resp: 500699

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 22.3 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
200000
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

