

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043320.D
 Acq On : 23 Oct 2019 22:31
 Operator : JU
 Sample : K5489-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SECONDARY-PILE-SLP

Quant Time: Oct 24 06:53:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

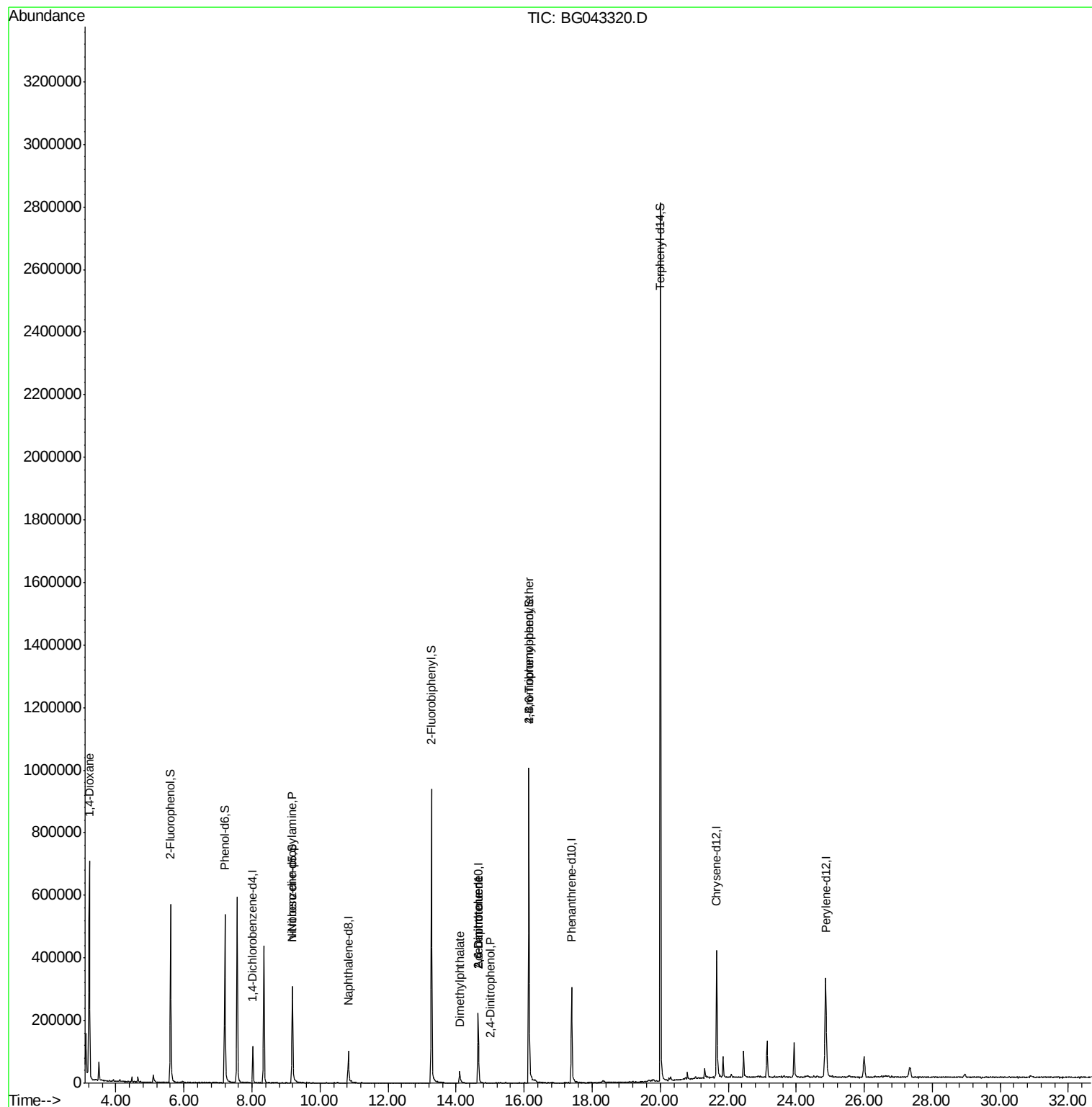
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	34516	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	111437	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	87236	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	236958	20.00	ng	0.00
76) Chrysene-d12	21.66	240	296689	20.00	ng	0.00
87) Perylene-d12	24.86	264	340809	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	260716	138.41	ng	0.00
7) Phenol-d6	7.20	99	345038	127.32	ng	0.00
23) Nitrobenzene-d5	9.19	82	219039	101.33	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	250888	151.13	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	568009	89.97	ng	0.00
79) Terphenyl-d14	20.00	244	1532460	96.90	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.22	88	8282	11.283	ng	# 1
19) n-Nitroso-di-n-propylamine	9.19	70	30078	17.176	ng	# 71
50) Dimethylphthalate	14.10	163	43485	6.436	ng	# 99
51) 2,6-Dinitrotoluene	14.65	165	11233	7.652	ng	# 23
54) 2,4-Dinitrophenol	15.00	184	60	7.342	ng	# 20
57) 2,4-Dinitrotoluene	14.65	165	11233	5.354	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	15888	4.982	ng	# 1

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

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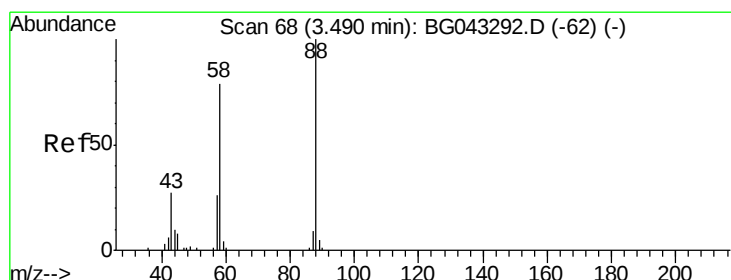
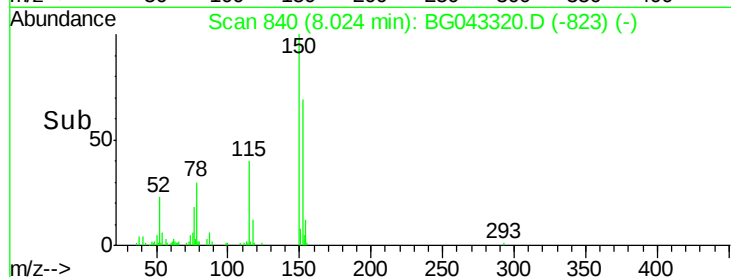
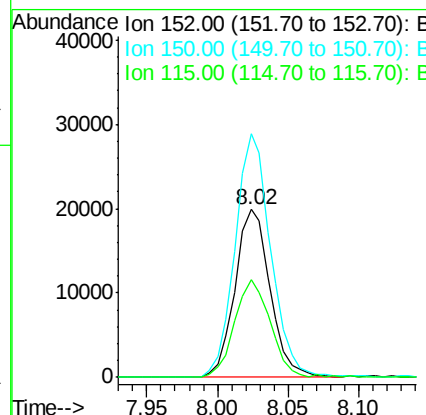
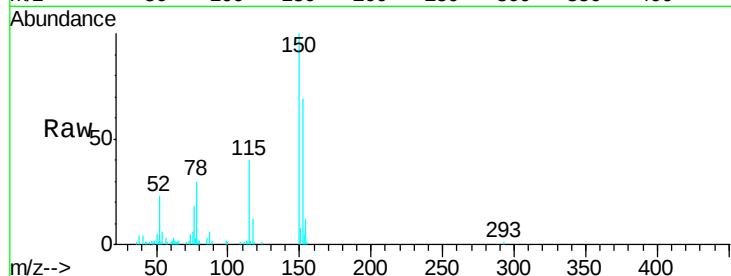


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043320.D
Acq: 23 Oct 2019 22:31

Instrument :
BNA_G
ClientSampleId :
SECONDARY-PILE-SLP

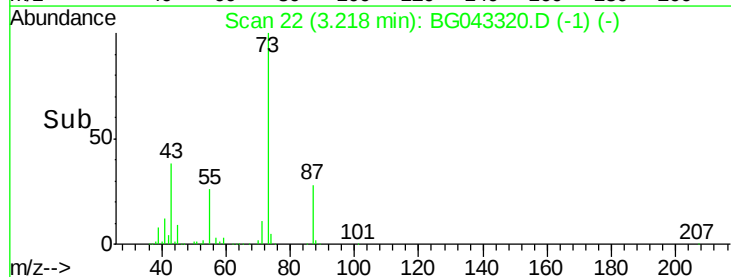
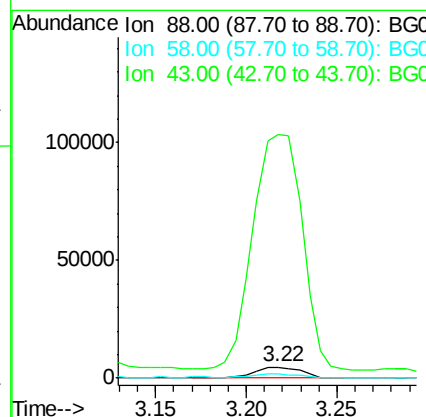
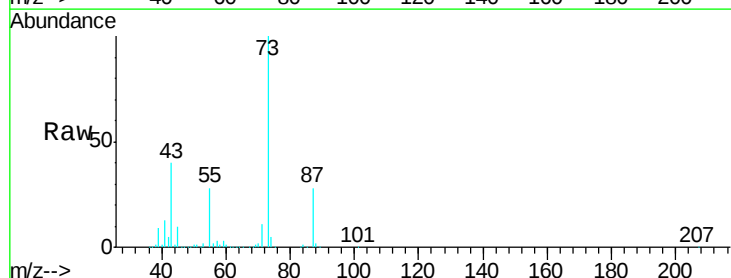
Tgt Ion:152 Resp: 34516
Ion Ratio Lower Upper
152 100
150 145.3 113.6 170.4
115 58.4 45.9 68.9

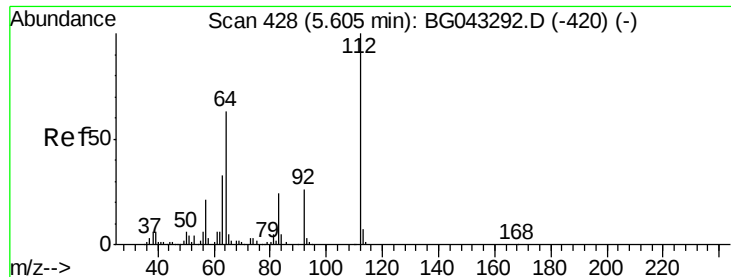


#2

1,4-Dioxane
Concen: 11.283 ng
RT: 3.22 min Scan# 22
Delta R.T. -0.27 min
Lab File: BG043320.D
Acq: 23 Oct 2019 22:31

Tgt Ion: 88 Resp: 8282
Ion Ratio Lower Upper
88 100
58 37.2 60.2 90.2#
43 2302.3 22.7 34.1#





#5

2-Fluorophenol

Concen: 138.414 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043320.D

Acq: 23 Oct 2019 22:31

Instrument :

BNA_G

ClientSampleId :

SECONDARY-PILE-SLP

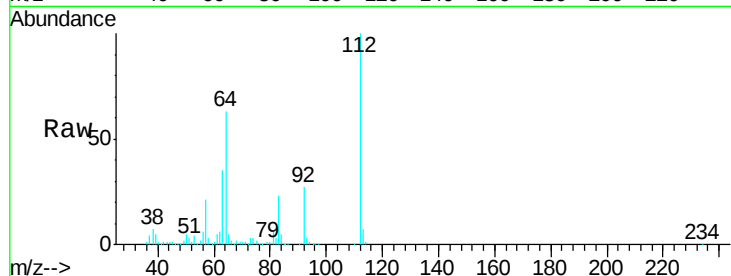
Tgt Ion: 112 Resp: 260716

Ion Ratio Lower Upper

112 100

64 63.4 50.2 75.2

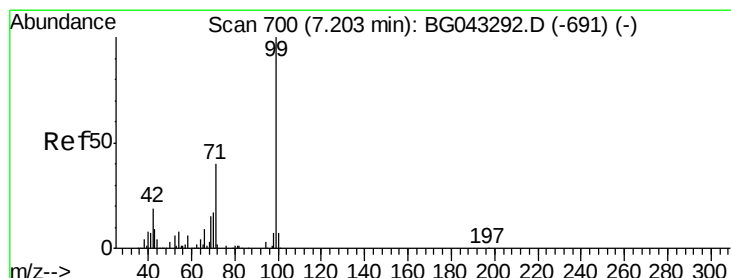
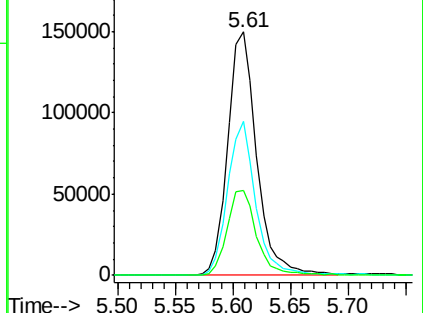
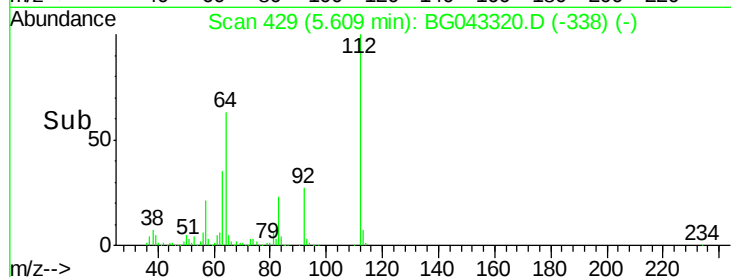
63 34.8 26.7 40.1



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: 127.318 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG043320.D

Acq: 23 Oct 2019 22:31

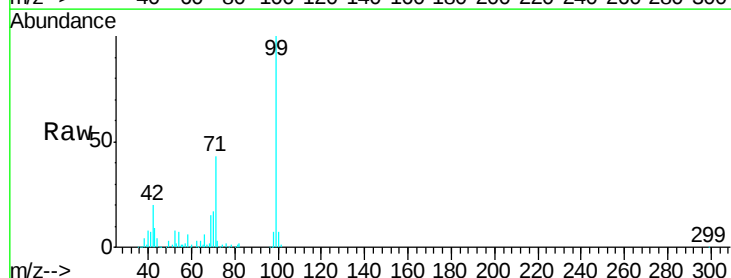
Tgt Ion: 99 Resp: 345038

Ion Ratio Lower Upper

99 100

42 19.6 14.9 22.3

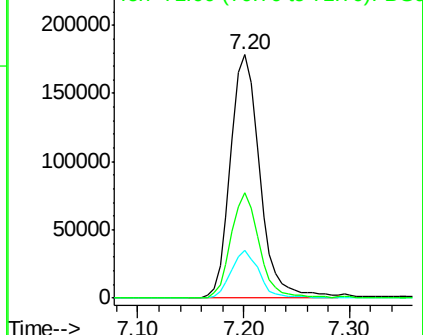
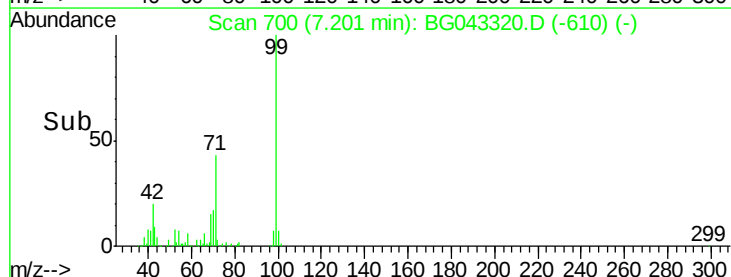
71 43.3 32.2 48.2

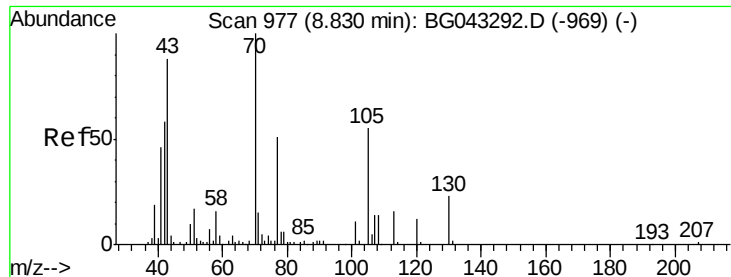


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 17.176 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043320.D

Acq: 23 Oct 2019 22:31

Instrument :

BNA_G

ClientSampleId :

SECONDARY-PILE-SLP

Tgt Ion: 70 Resp: 30078

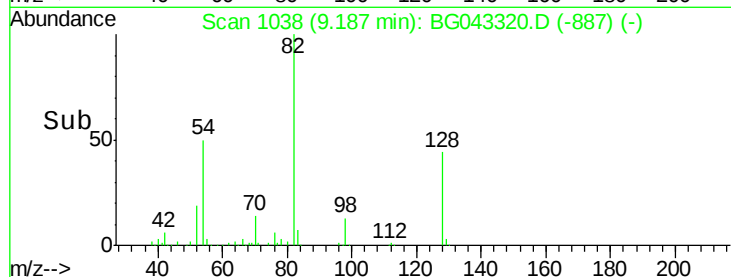
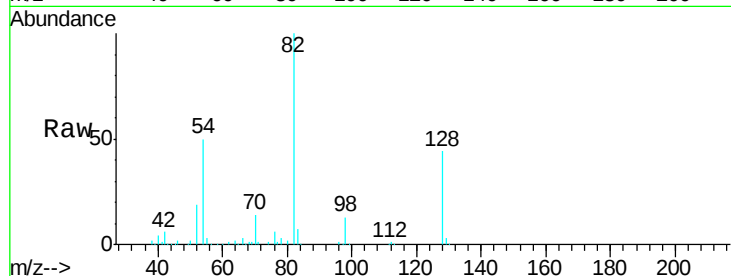
Ion Ratio Lower Upper

70 100

42 39.7 46.2 69.2#

101 0.0 8.6 13.0#

130 2.4 18.6 27.8#

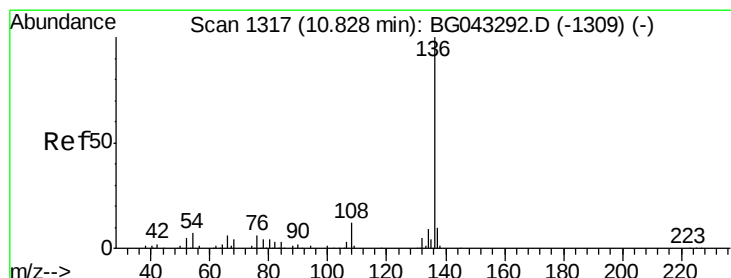
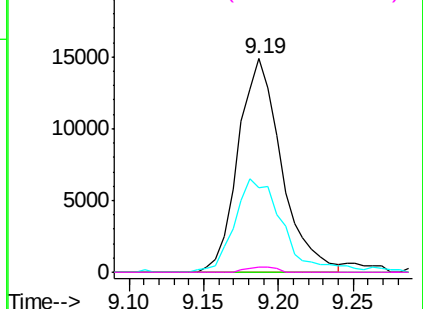


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG043320.D

Acq: 23 Oct 2019 22:31

Tgt Ion: 136 Resp: 111437

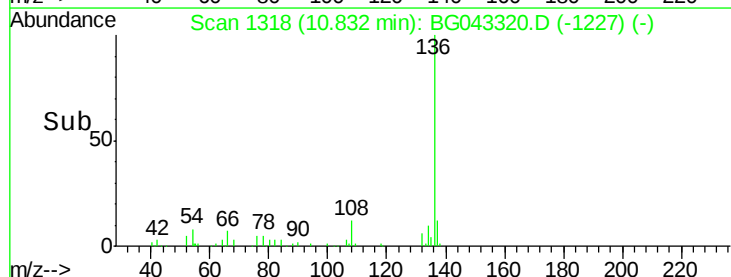
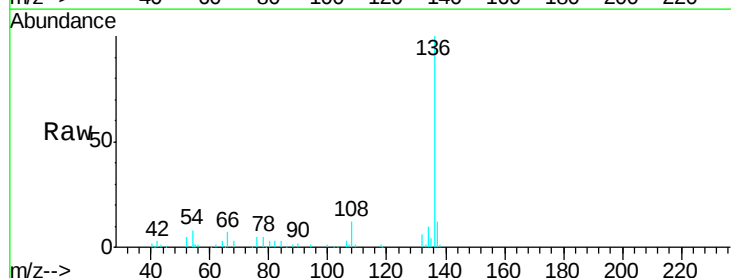
Ion Ratio Lower Upper

136 100

137 12.2 8.2 12.2

54 7.7 5.4 8.2

68 2.7 3.3 4.9#

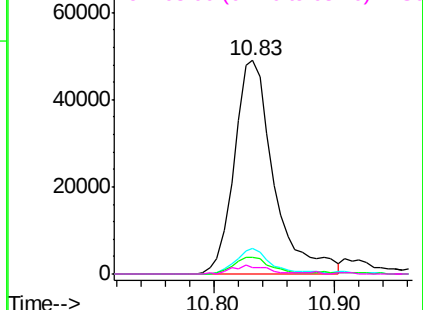


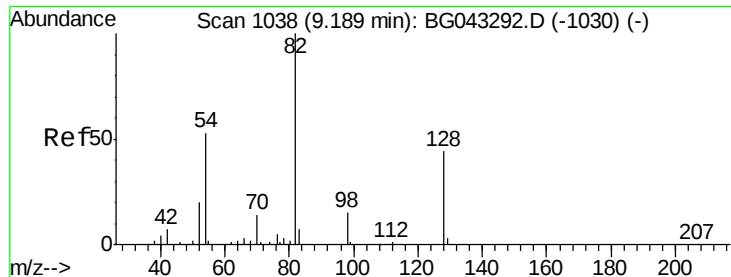
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

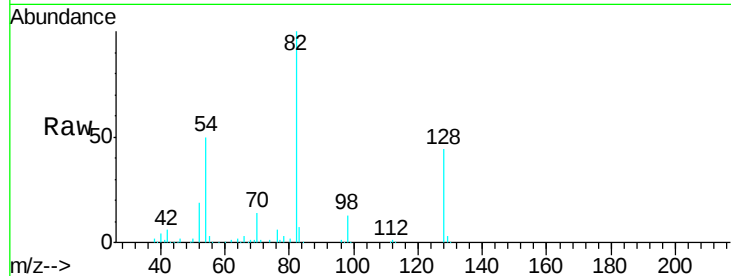




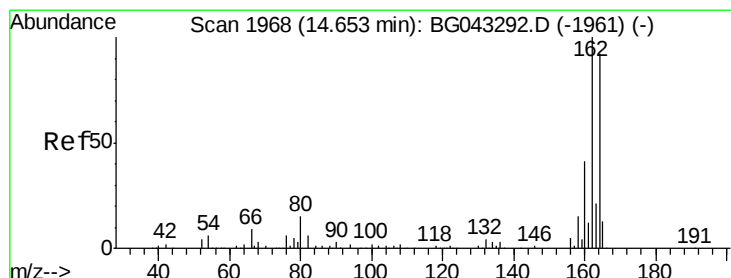
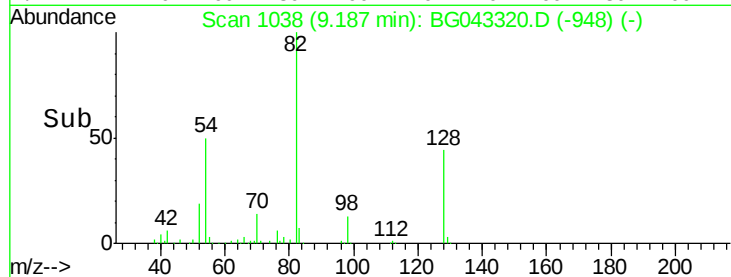
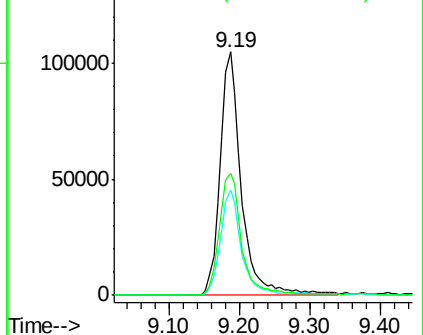
#23
 Nitrobenzene-d5
 Concen: 101.335 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG043320.D
 Acq: 23 Oct 2019 22:31

Instrument :
 BNA_G
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 SECONDARY-PILE-SLP

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.3	52.9
54	50.2	42.3	63.5

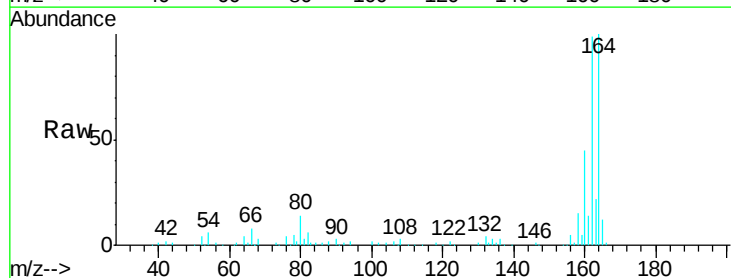


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

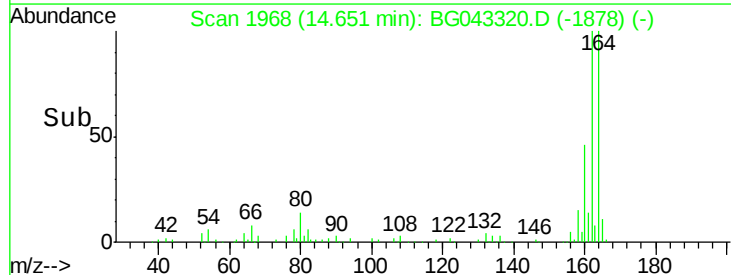
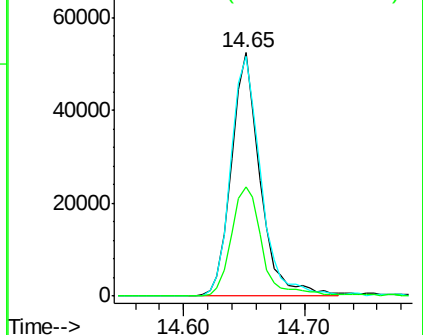


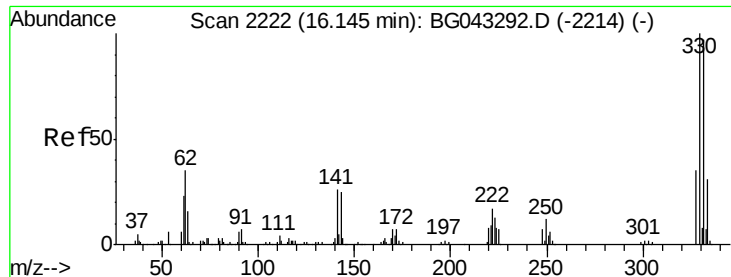
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG043320.D
 Acq: 23 Oct 2019 22:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.6	87.0	130.4
160	45.0	35.5	53.3



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

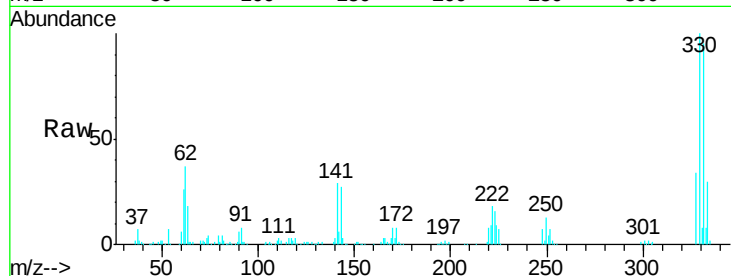




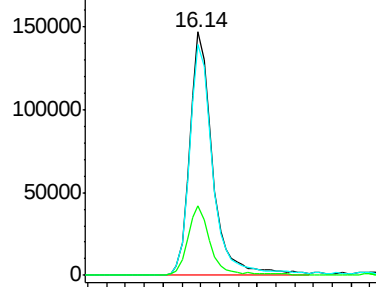
#42
 2,4,6-Tribromophenol
 Concen: 151.128 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043320.D
 Acq: 23 Oct 2019 22:31

Instrument :
 BNA_G
 ClientSampleId :
 SECONDARY-PILE-SLP

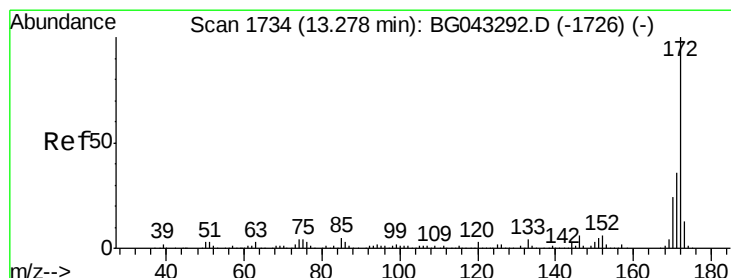
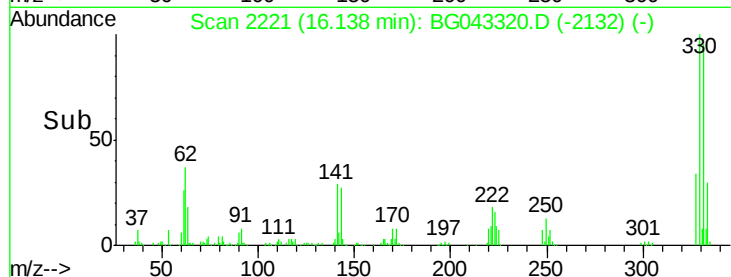
Tgt Ion:330 Resp: 250888
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.4 114.6
 141 28.1 21.4 32.0



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

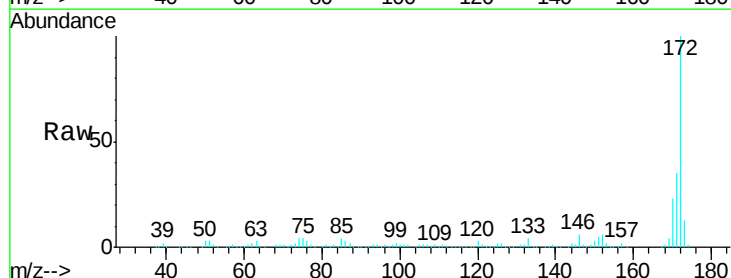


Time-->

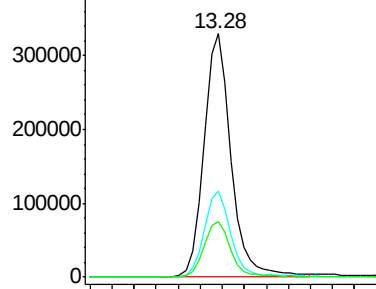


#45
 2-Fluorobiphenyl
 Concen: 89.972 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043320.D
 Acq: 23 Oct 2019 22:31

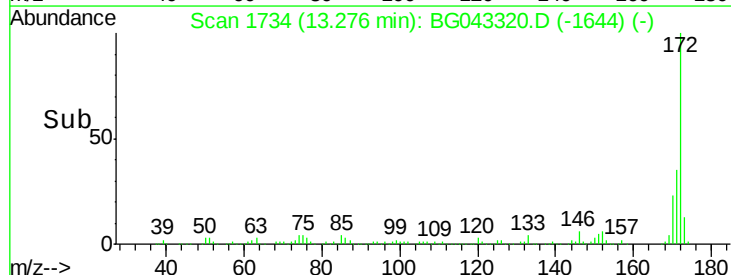
Tgt Ion:172 Resp: 568009
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.5 42.7
 170 22.7 18.8 28.2

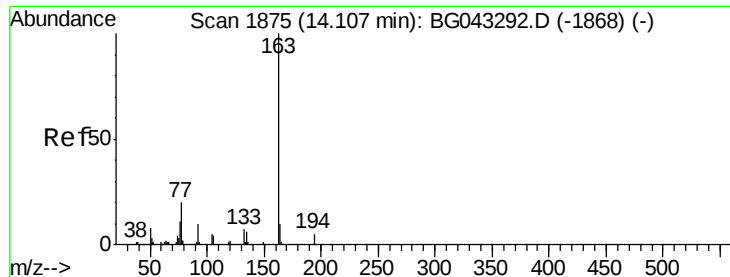


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->





#50

Dimethylphthalate

Concen: 6.436 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BG043320.D

Acq: 23 Oct 2019 22:31

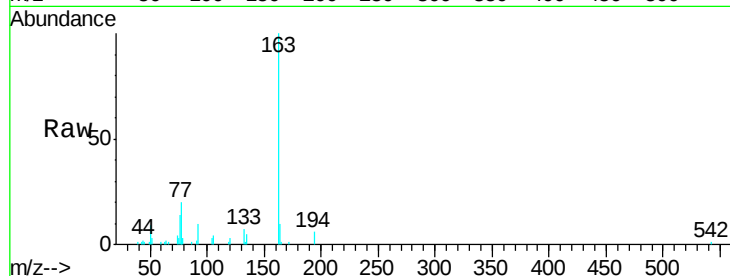
Instrument :

BNA_G

ClientSampleId :

SECONDARY-PILE-SLP

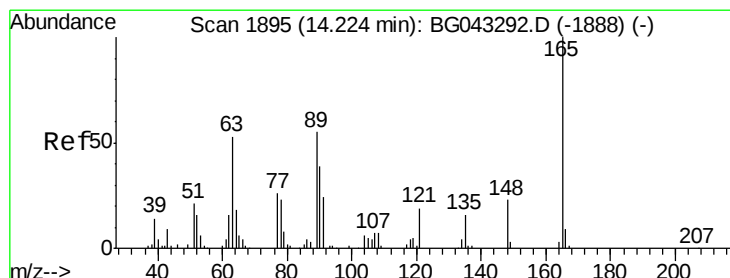
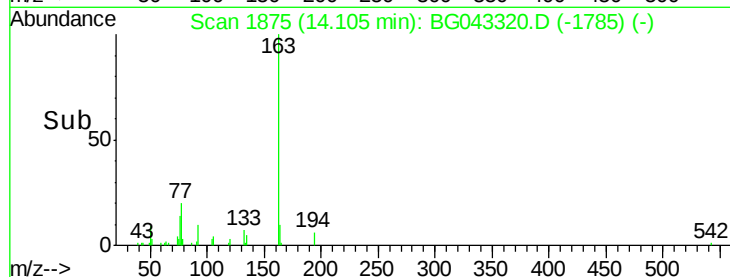
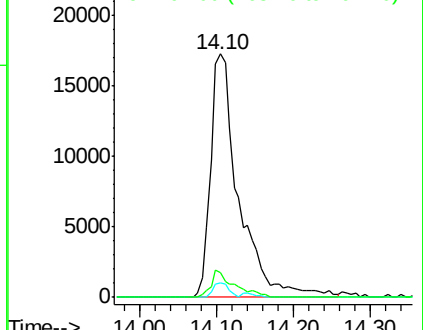
Tgt Ion:	163	Resp:	43485
Ion Ratio	Lower	Upper	
163	100		
194	5.9	3.7	5.5#
164	10.1	8.1	12.1



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: 7.652 ng

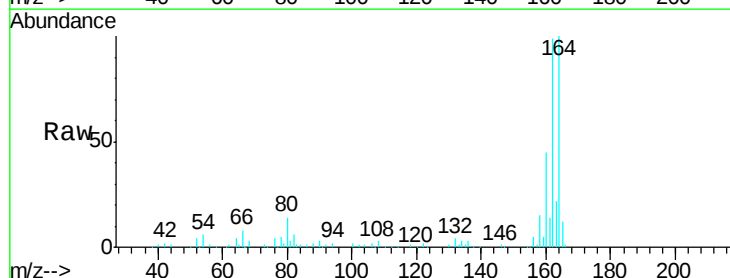
RT: 14.65 min Scan# 1968

Delta R.T. 0.43 min

Lab File: BG043320.D

Acq: 23 Oct 2019 22:31

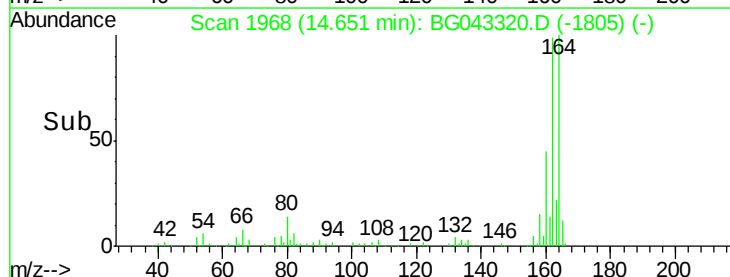
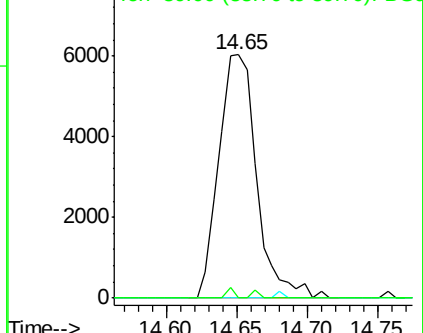
Tgt Ion:	165	Resp:	11233
Ion Ratio	Lower	Upper	
165	100		
63	0.0	47.1	70.7#
89	0.0	43.7	65.5#

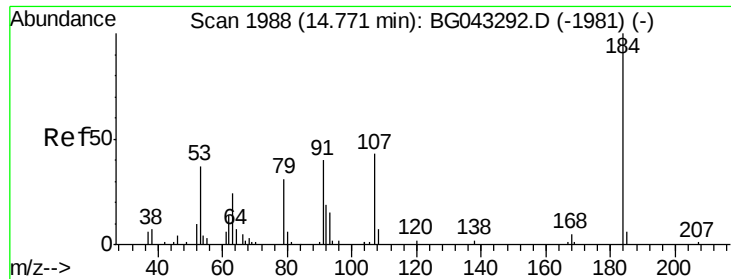


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

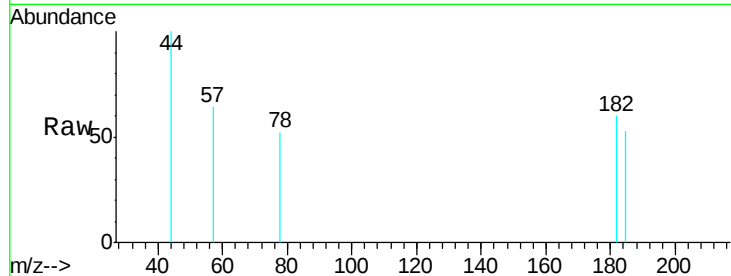




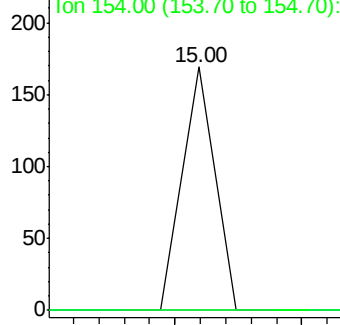
#54
2,4-Dinitrophenol
Concen: 7.342 ng
RT: 15.00 min Scan# 2028
Delta R.T. 0.23 min
Lab File: BG043320.D
Acq: 23 Oct 2019 22:31

Instrument :
BNA_G
ClientSampleId :
SECONDARY-PILE-SLP

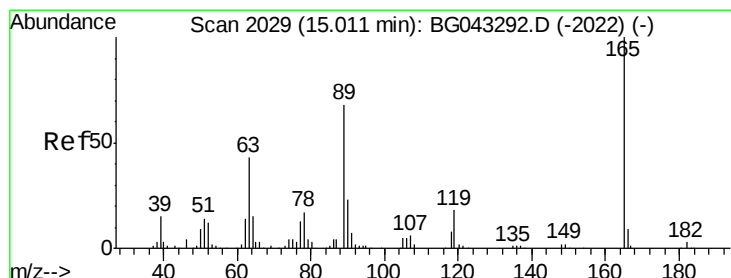
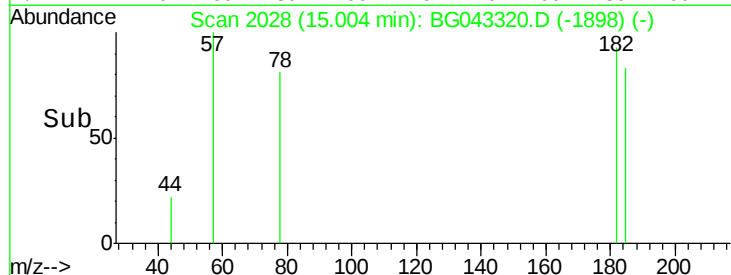
Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 48.8 73.2#
154 0.0 49.4 74.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

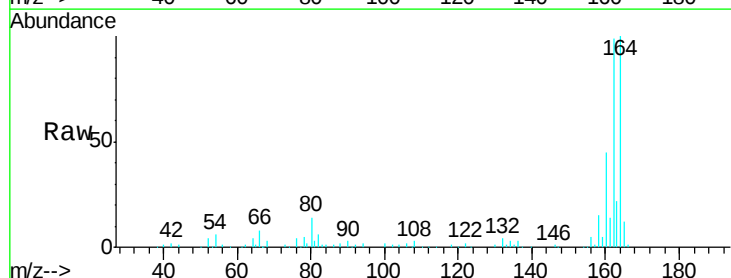


Time-->

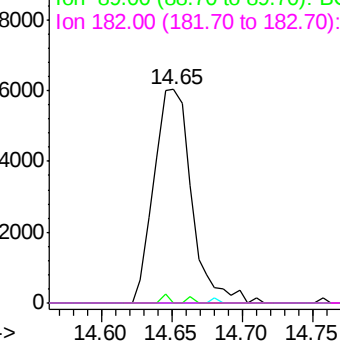


#57
2,4-Dinitrotoluene
Concen: 5.354 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG043320.D
Acq: 23 Oct 2019 22:31

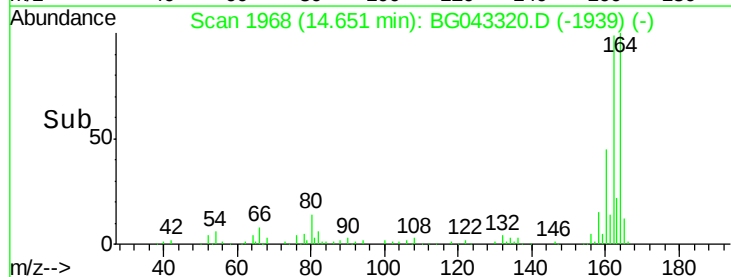
Tgt Ion:165 Resp: 11233
Ion Ratio Lower Upper
165 100
63 0.0 35.0 52.6#
89 0.0 54.1 81.1#
182 0.0 2.2 3.2#

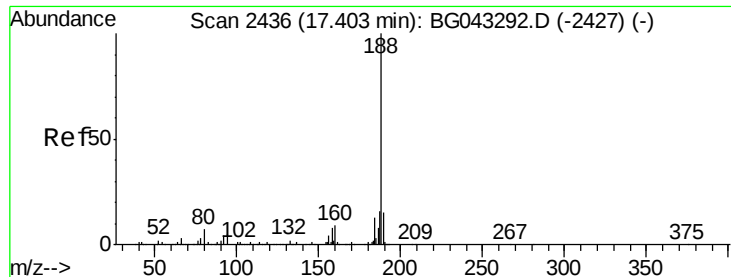


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043320.D

Acq: 23 Oct 2019 22:31

Instrument :

BNA_G

ClientSampleId :

SECONDARY-PILE-SLP

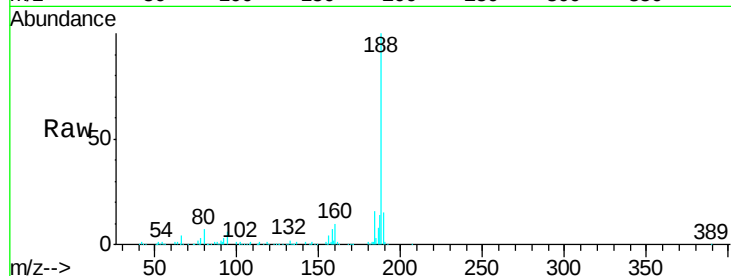
Tgt Ion:188 Resp: 236958

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

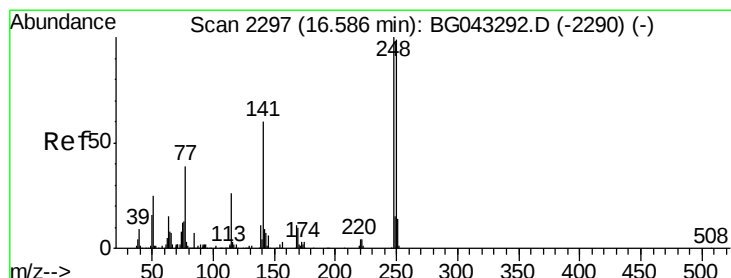
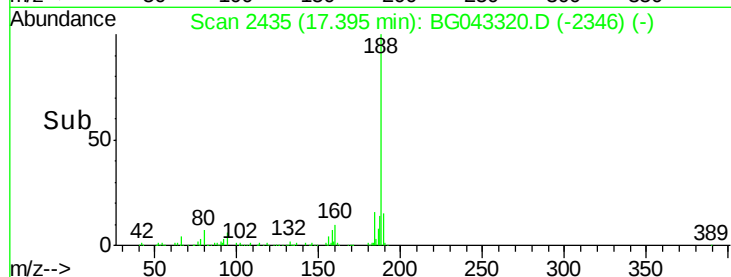
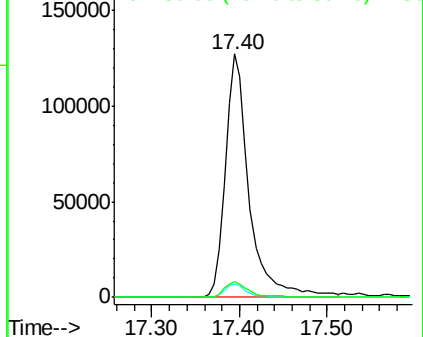
80 6.6 5.2 7.8



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: 4.982 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043320.D

Acq: 23 Oct 2019 22:31

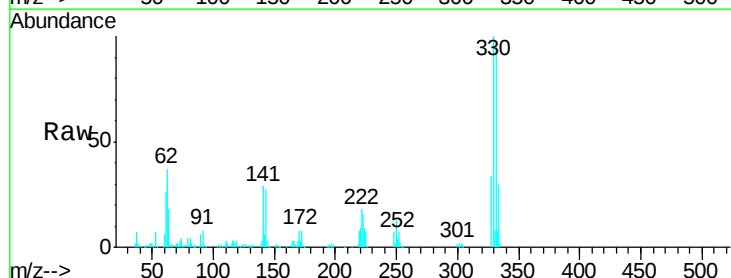
Tgt Ion:248 Resp: 15888

Ion Ratio Lower Upper

248 100

250 193.9 79.3 118.9#

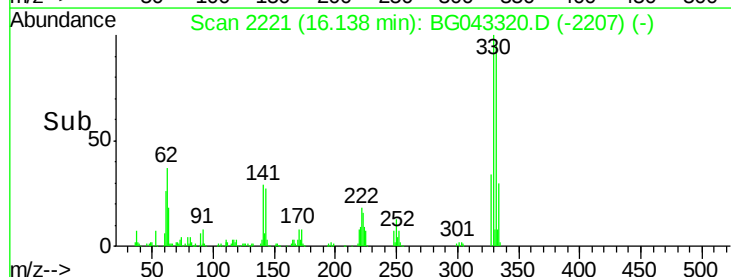
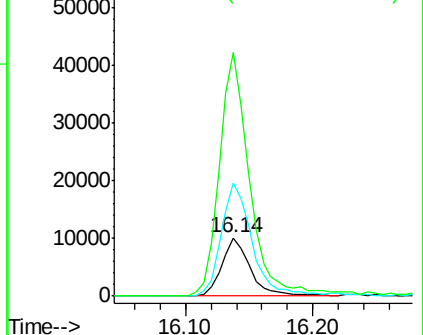
141 417.9 47.9 71.9#

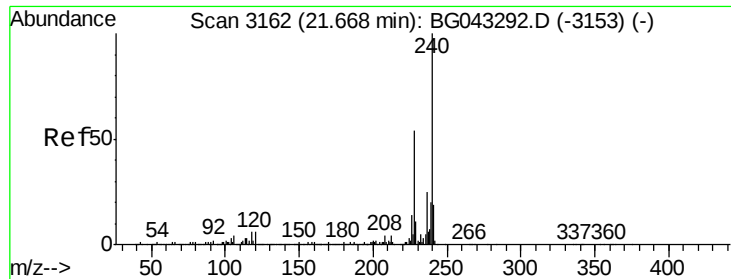


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

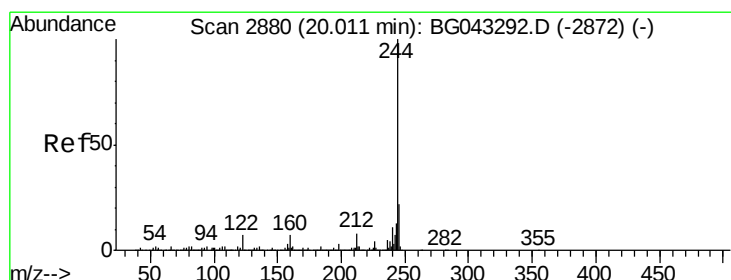
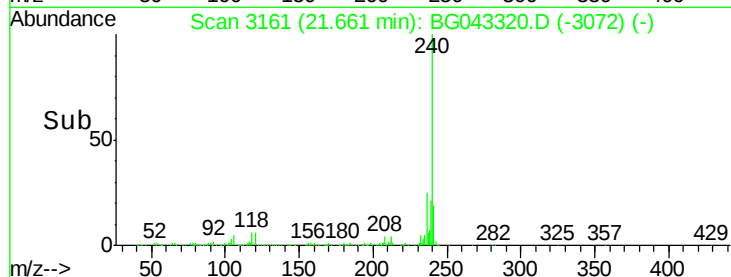
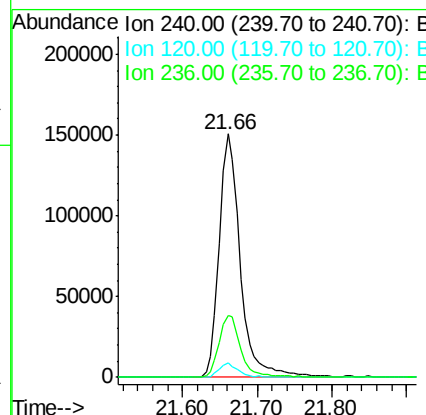
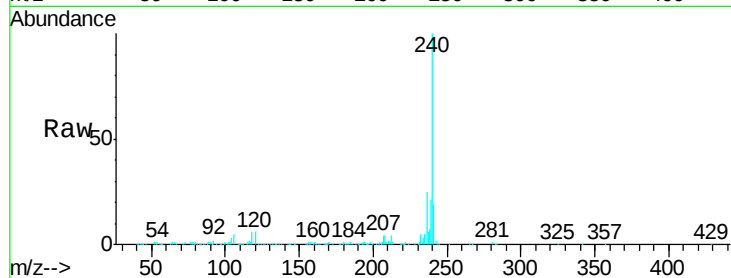




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043320.D
Acq: 23 Oct 2019 22:31

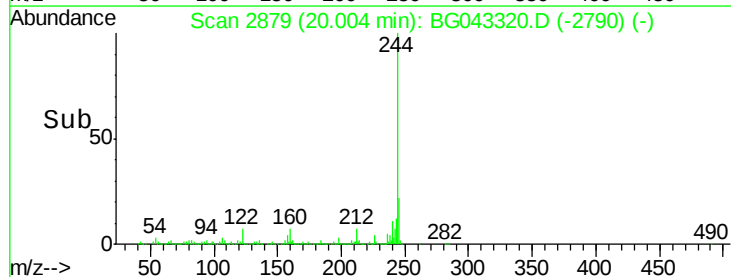
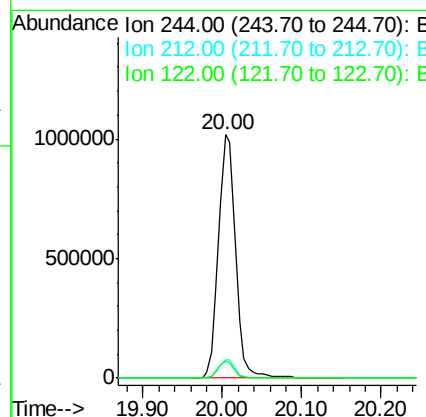
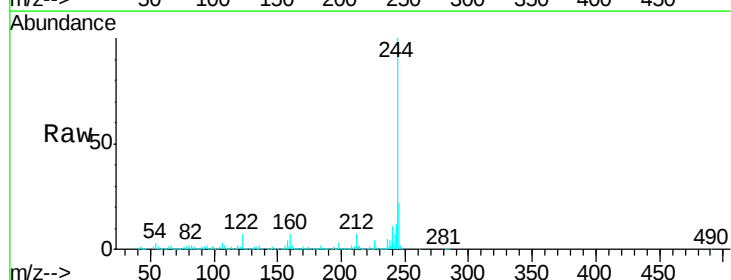
Instrument :
BNA_G
ClientSampleId :
SECONDARY-PILE-SLP

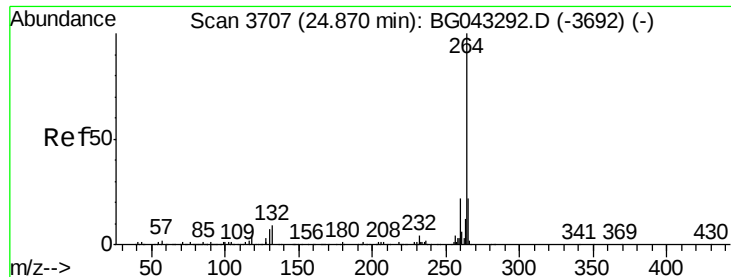
Tgt Ion:240 Resp: 296689
Ion Ratio Lower Upper
240 100
120 5.8 4.6 7.0
236 25.5 20.2 30.4



#79
Terphenyl-d14
Concen: 96.902 ng
RT: 20.00 min Scan# 2879
Delta R.T. -0.01 min
Lab File: BG043320.D
Acq: 23 Oct 2019 22:31

Tgt Ion:244 Resp: 1532460
Ion Ratio Lower Upper
244 100
212 7.5 6.4 9.6
122 7.3 5.3 7.9

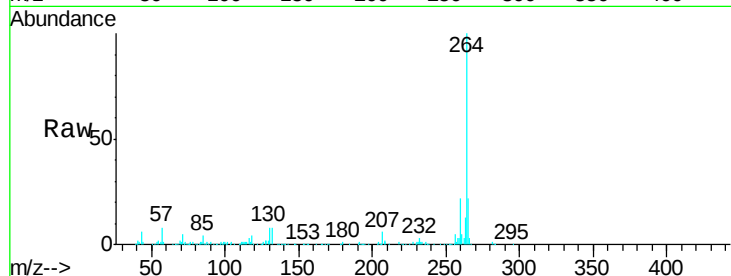




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG043320.D
Acq: 23 Oct 2019 22:31

Instrument :
BNA_G
ClientSampleId :
SECONDARY-PILE-SLP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.9	26.9
265	21.8	17.4	26.2



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

