

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043318.D
 Acq On : 23 Oct 2019 21:15
 Operator : JU
 Sample : K5152-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-102219

Quant Time: Oct 24 06:52:59 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

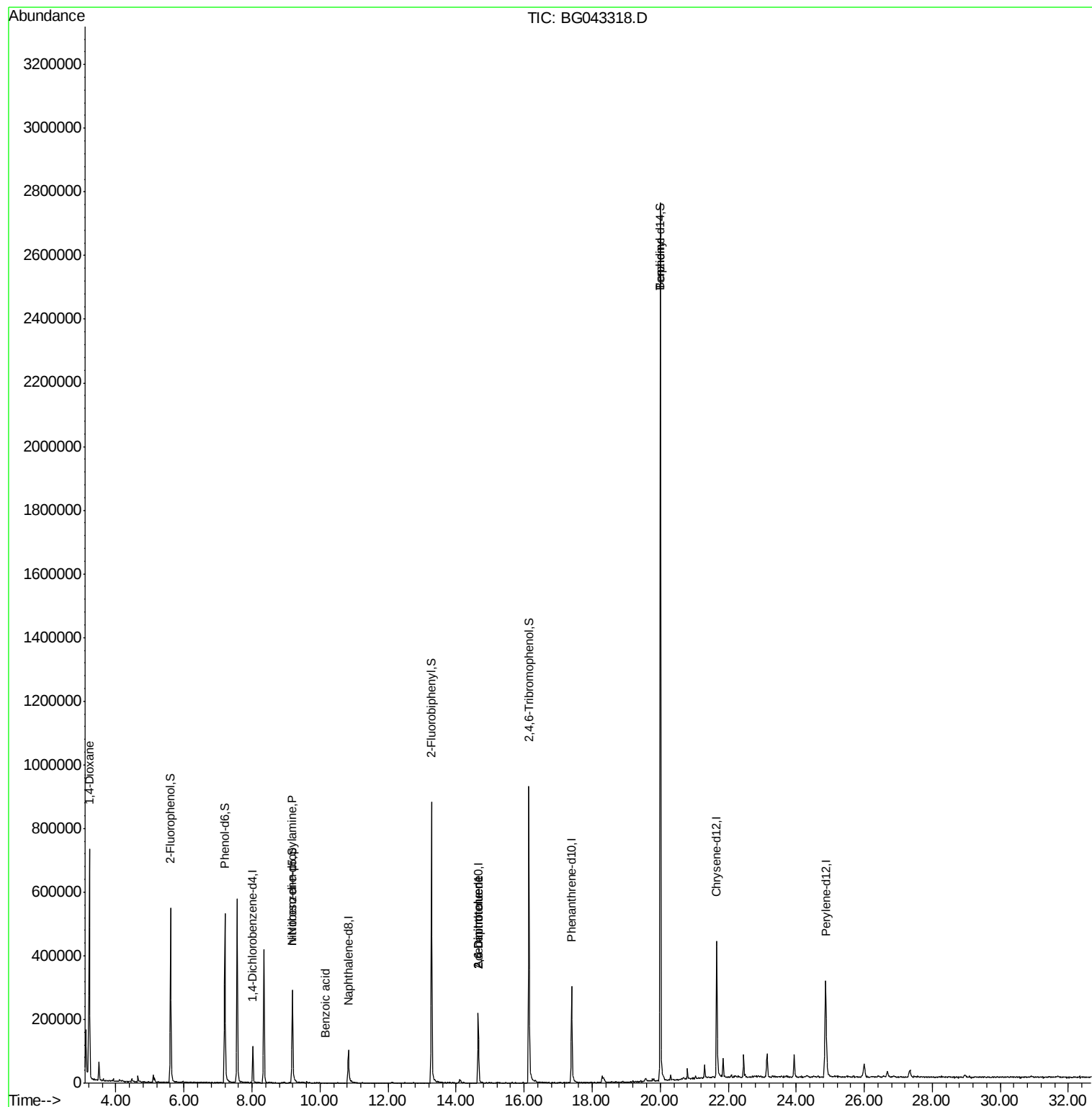
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	36314	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	112096	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	88502	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	233124	20.00	ng	0.00
76) Chrysene-d12	21.66	240	308381	20.00	ng	0.00
87) Perylene-d12	24.86	264	340064	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	249777	126.04	ng	0.00
7) Phenol-d6	7.20	99	339115	118.94	ng	0.00
23) Nitrobenzene-d5	9.19	82	204624	94.11	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	233374	138.57	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	548626	85.66	ng	0.00
79) Terphenyl-d14	20.00	244	1501592	91.35	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.22	88	8320	10.774	ng	# 1
19) n-Nitroso-di-n-propylamine	9.19	70	29520	16.023	ng	# 72
32) Benzoic acid	10.17	122	62	9.095	ng	# 1
51) 2,6-Dinitrotoluene	14.65	165	11424	7.671	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	11424	5.368	ng	# 28
77) Benzidine	20.01	184	22101	3.561	ng	# 87

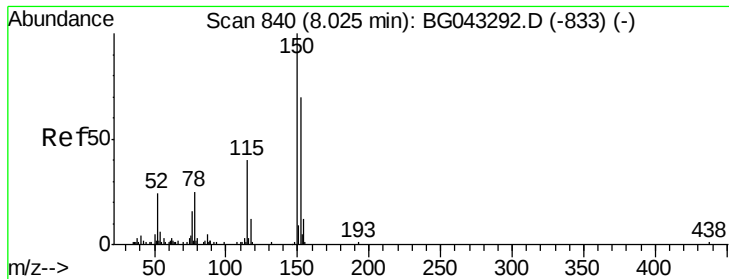
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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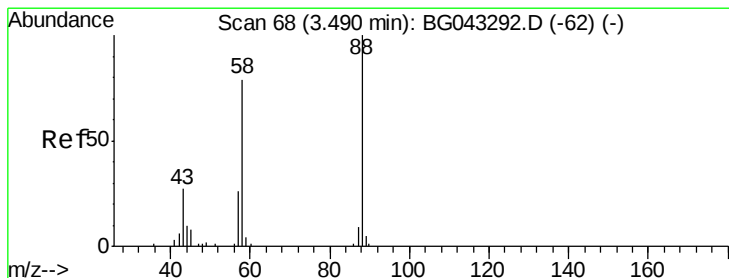
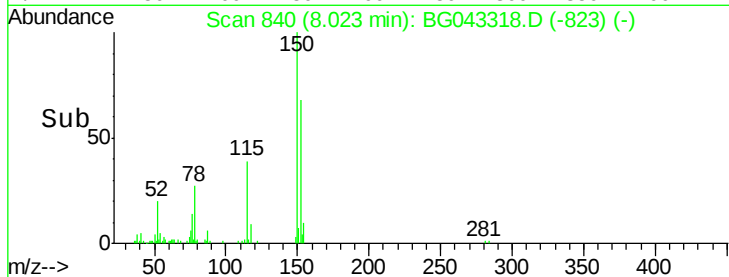
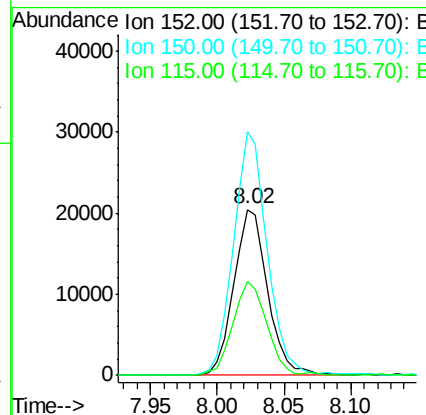
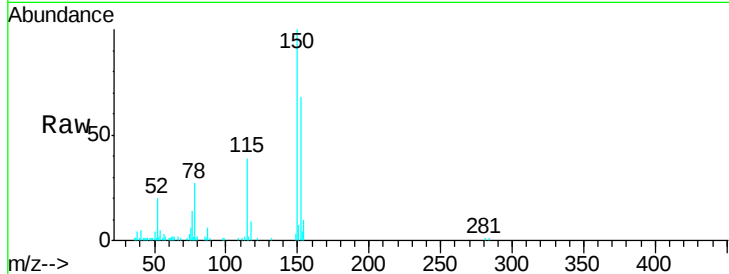


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043318.D
Acq: 23 Oct 2019 21:15

Instrument :
BNA_G
ClientSampleId :
SU-03-102219

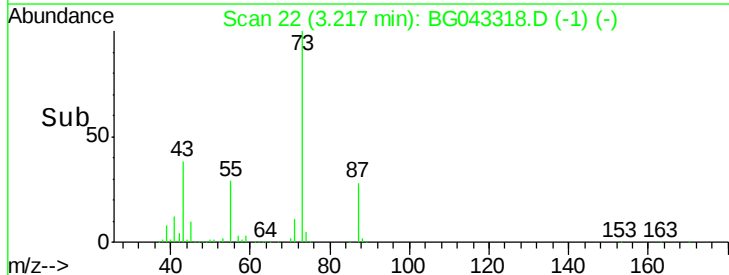
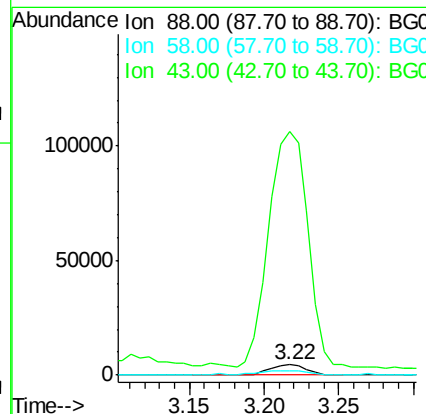
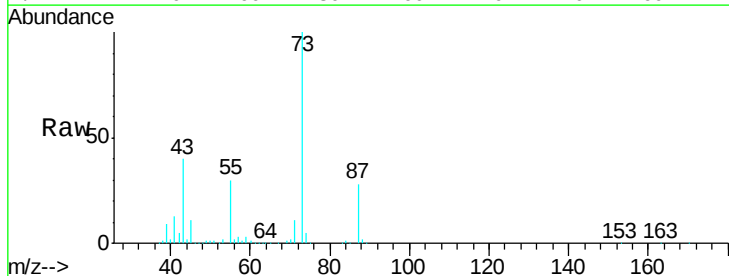
Tgt Ion:152 Resp: 36314
Ion Ratio Lower Upper
152 100
150 146.7 113.6 170.4
115 56.6 45.9 68.9

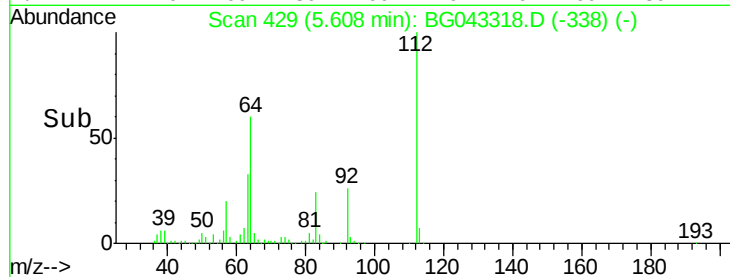
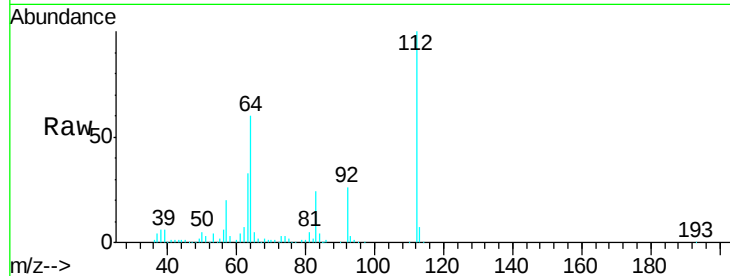
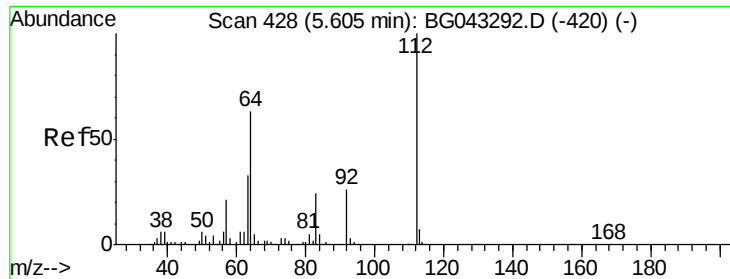


#2

1,4-Dioxane
Concen: 10.774 ng
RT: 3.22 min Scan# 22
Delta R.T. -0.27 min
Lab File: BG043318.D
Acq: 23 Oct 2019 21:15

Tgt Ion: 88 Resp: 8320
Ion Ratio Lower Upper
88 100
58 44.5 60.2 90.2#
43 2312.6 22.7 34.1#





#5

2-Fluorophenol

Concen: 126.040 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043318.D

Acq: 23 Oct 2019 21:15

Instrument :

BNA_G

ClientSampleId :

SU-03-102219

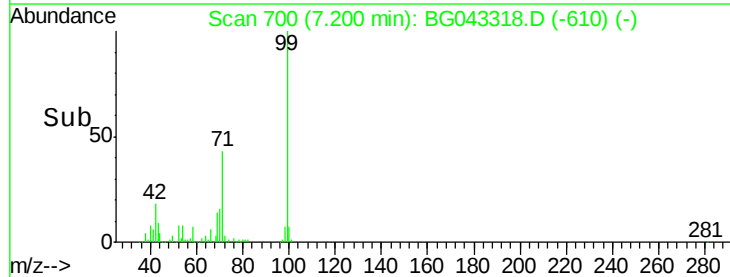
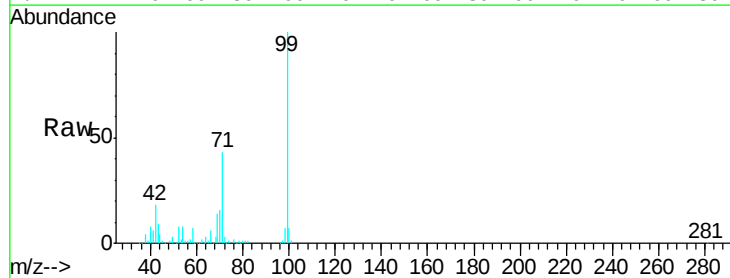
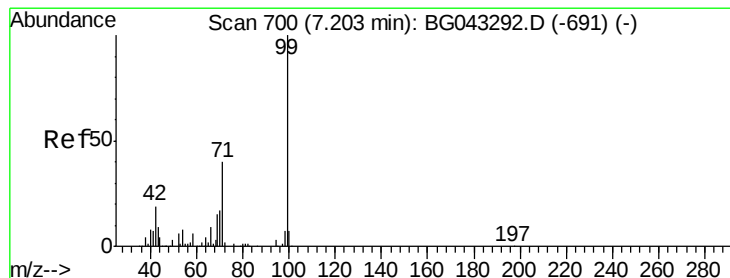
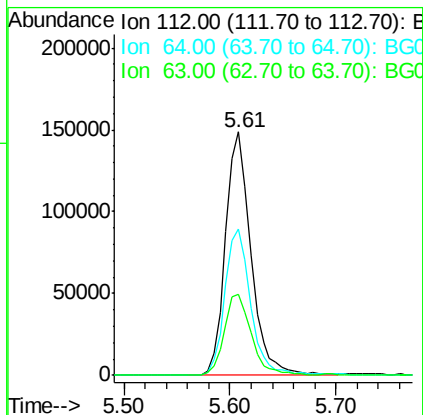
Tgt Ion: 112 Resp: 249777

Ion Ratio Lower Upper

112 100

64 60.1 50.2 75.2

63 33.3 26.7 40.1



#7

Phenol-d6

Concen: 118.936 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG043318.D

Acq: 23 Oct 2019 21:15

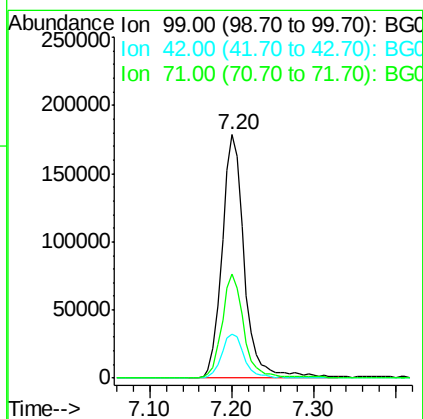
Tgt Ion: 99 Resp: 339115

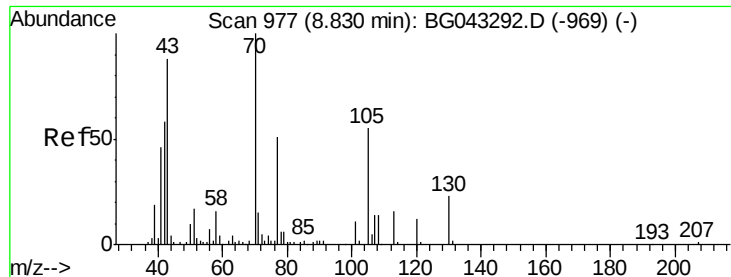
Ion Ratio Lower Upper

99 100

42 18.2 14.9 22.3

71 42.9 32.2 48.2

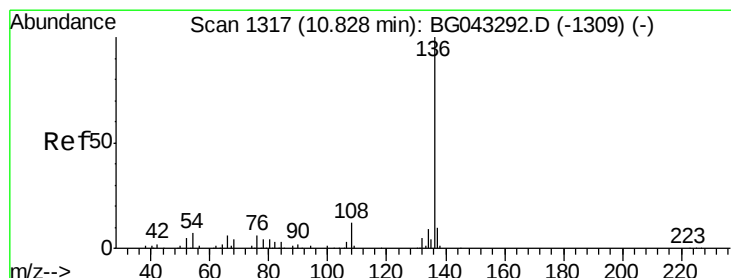
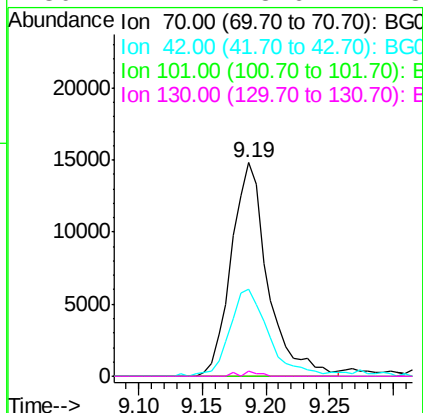
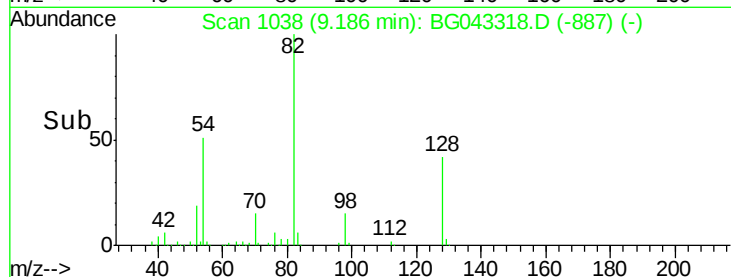
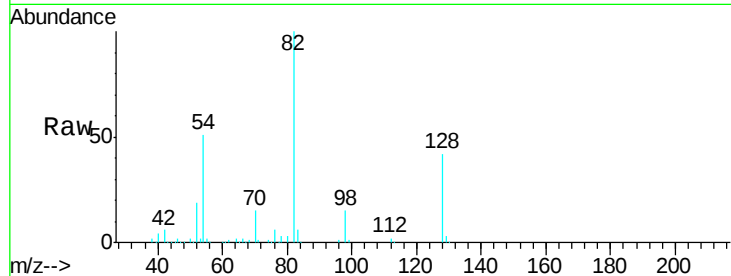




#19
n-Nitroso-di-n-propylamine
Concen: 16.023 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043318.D
Acq: 23 Oct 2019 21:15

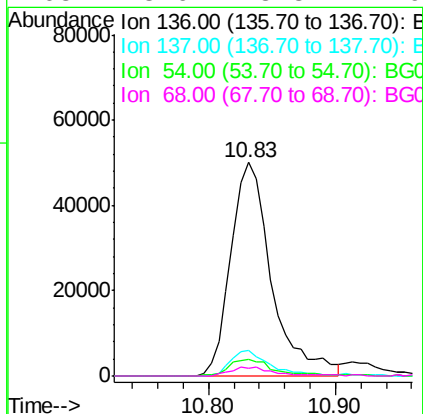
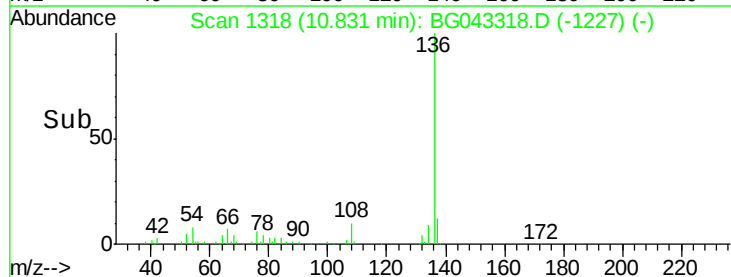
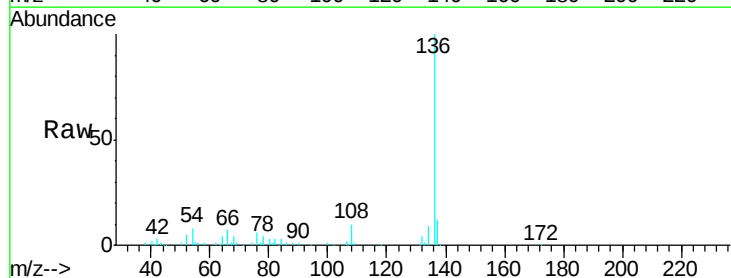
Instrument :
BNA_G
ClientSampleId :
SU-03-102219

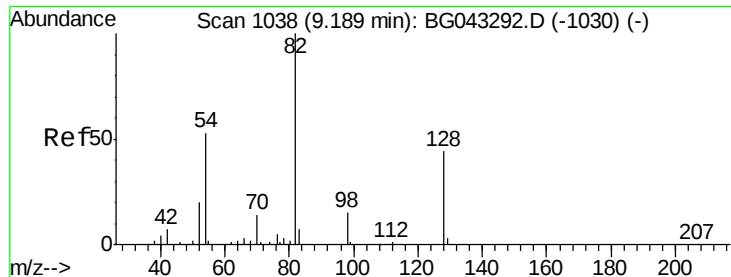
Tgt Ion: 70 Resp: 29520
Ion Ratio Lower Upper
70 100
42 40.9 46.2 69.2#
101 0.0 8.6 13.0#
130 2.4 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043318.D
Acq: 23 Oct 2019 21:15

Tgt Ion: 136 Resp: 112096
Ion Ratio Lower Upper
136 100
137 12.0 8.2 12.2
54 7.7 5.4 8.2
68 3.6 3.3 4.9

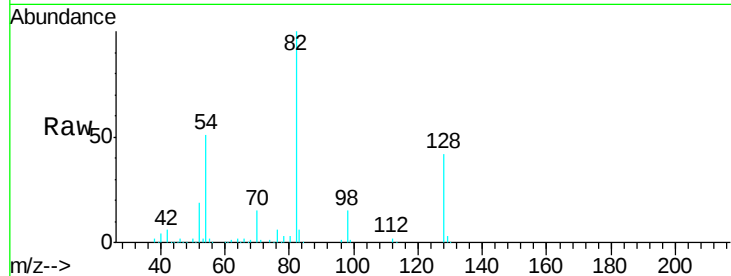




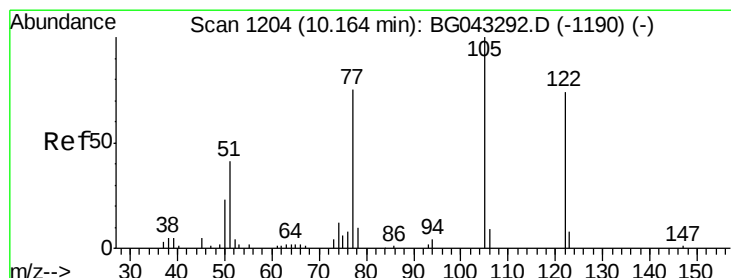
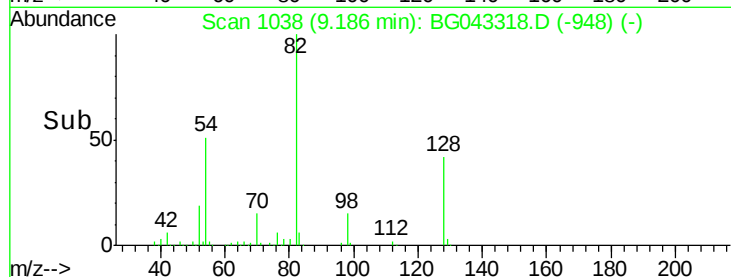
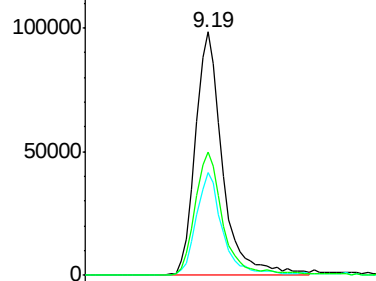
#23
Nitrobenzene-d5
Concen: 94.109 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043318.D
Acq: 23 Oct 2019 21:15

Instrument :
BNA_G
ClientSampleId :
SU-03-102219

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.3	52.9
54	50.6	42.3	63.5

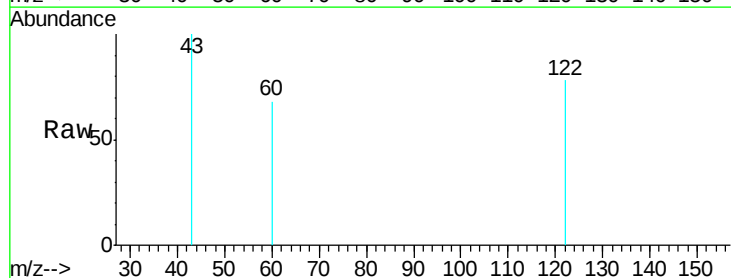


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

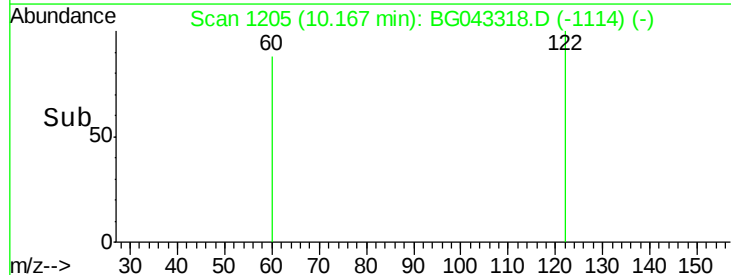
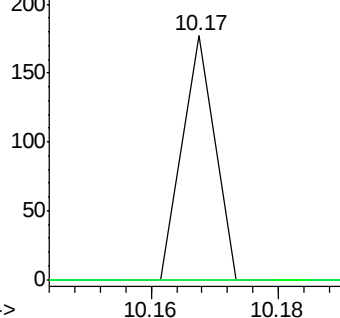


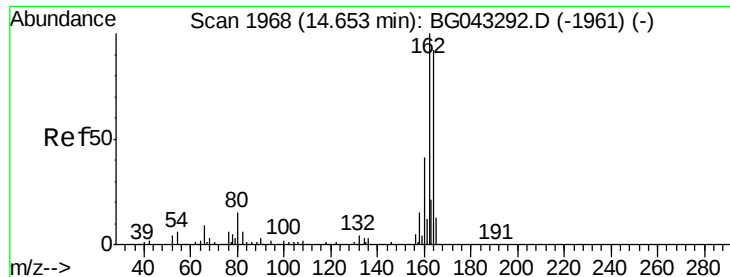
#32
Benzoic acid
Concen: 9.095 ng
RT: 10.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BG043318.D
Acq: 23 Oct 2019 21:15

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	112.4	152.4#
77	0.0	82.7	122.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043318.D

Acq: 23 Oct 2019 21:15

Instrument :

BNA_G

ClientSampleId :

SU-03-102219

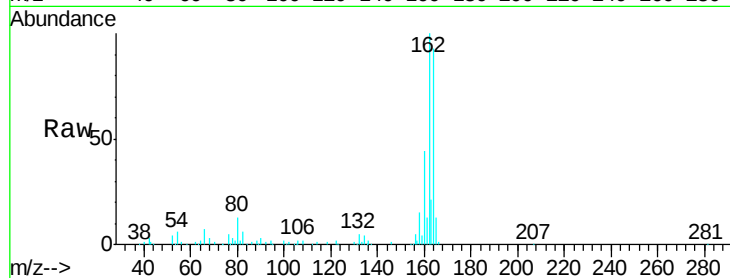
Tgt Ion:164 Resp: 88502

Ion Ratio Lower Upper

164 100

162 107.3 87.0 130.4

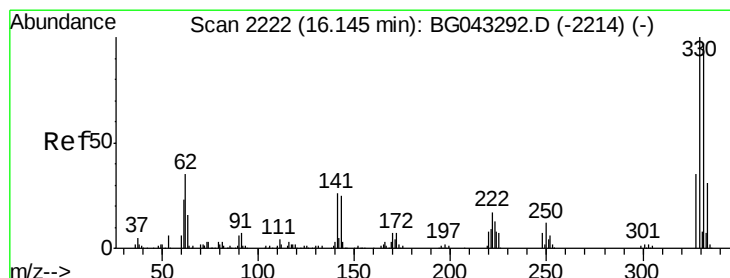
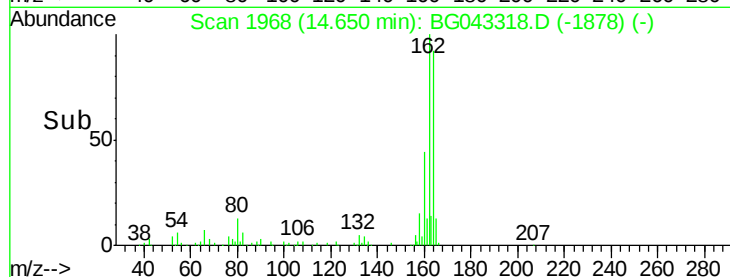
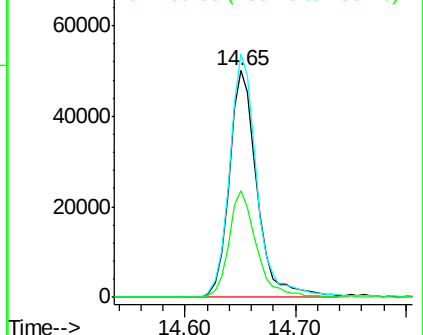
160 46.8 35.5 53.3



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: 138.567 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043318.D

Acq: 23 Oct 2019 21:15

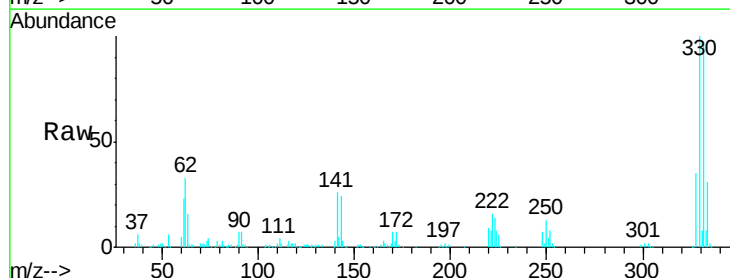
Tgt Ion:330 Resp: 233374

Ion Ratio Lower Upper

330 100

332 100.9 76.4 114.6

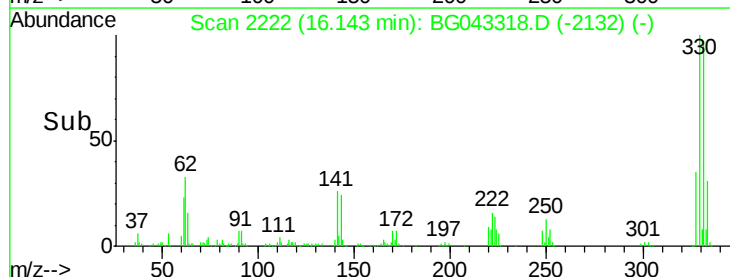
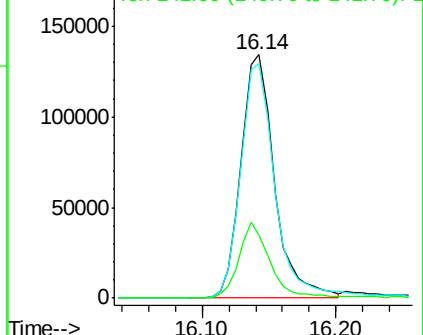
141 29.4 21.4 32.0

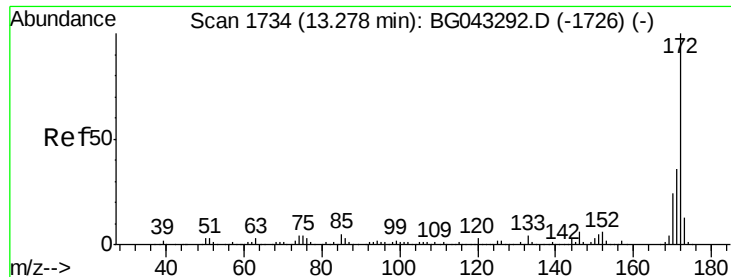


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

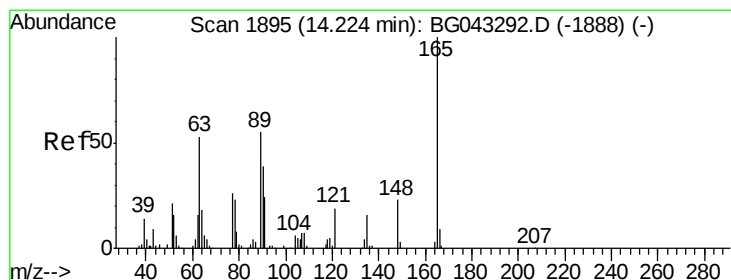
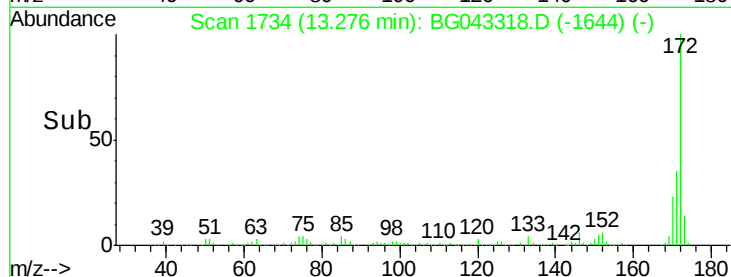
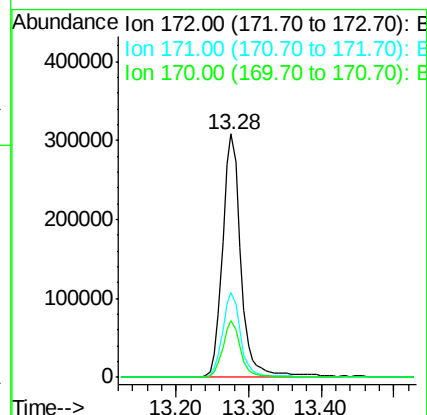
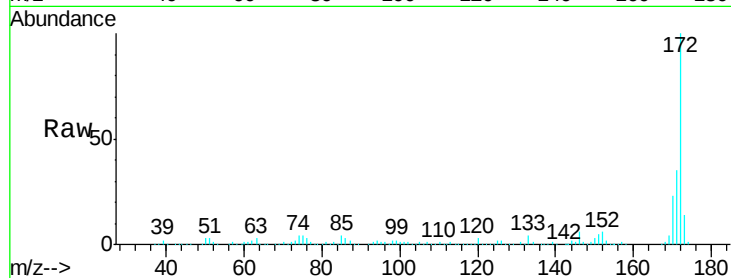




#45
 2-Fluorobiphenyl
 Concen: 85.658 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043318.D
 Acq: 23 Oct 2019 21:15

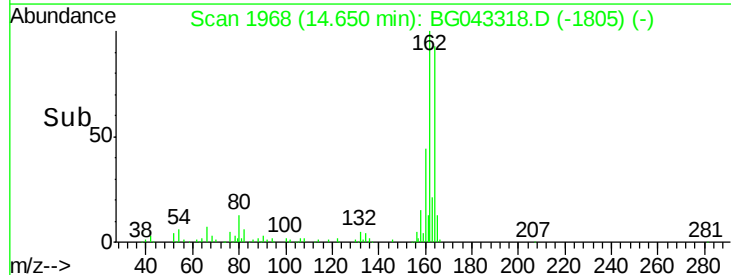
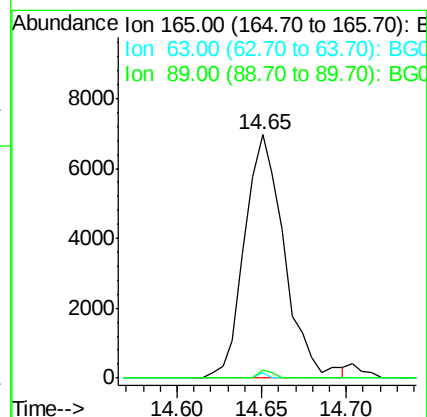
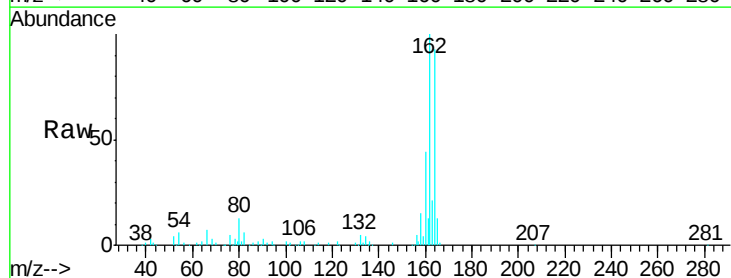
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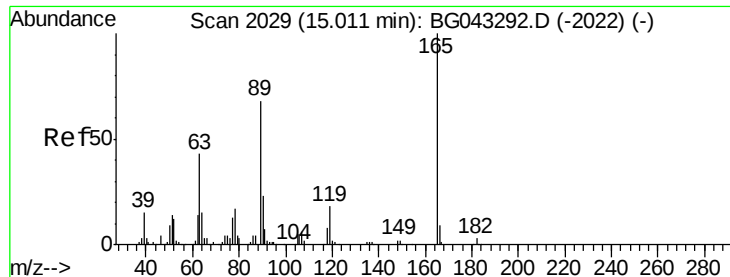
Tgt Ion:172 Resp: 548626
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 23.2 18.8 28.2



#51
 2,6-Dinitrotoluene
 Concen: 7.671 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043318.D
 Acq: 23 Oct 2019 21:15

Tgt Ion:165 Resp: 11424
 Ion Ratio Lower Upper
 165 100
 63 2.2 47.1 70.7#
 89 3.1 43.7 65.5#

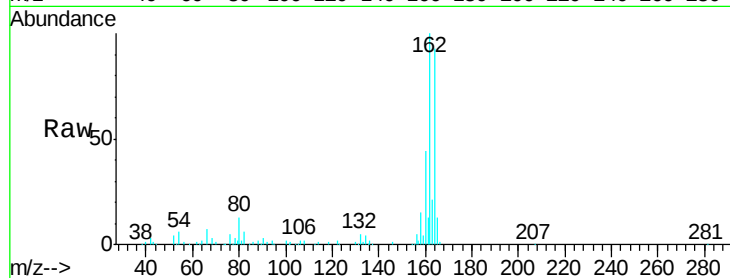




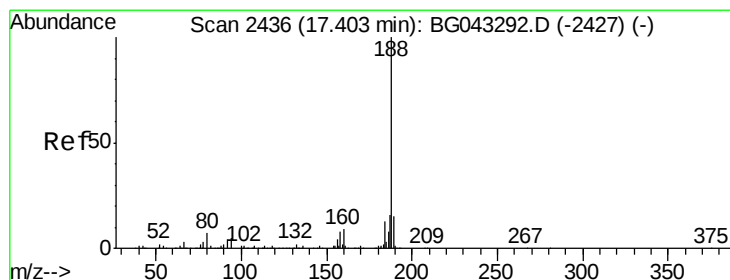
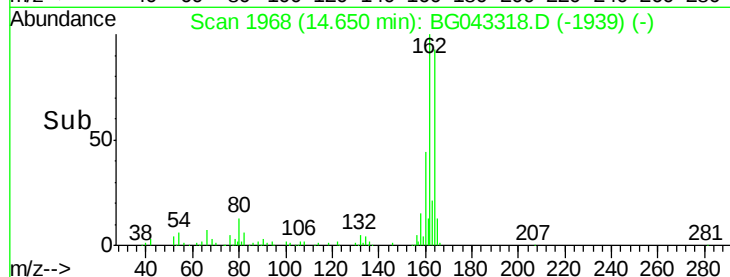
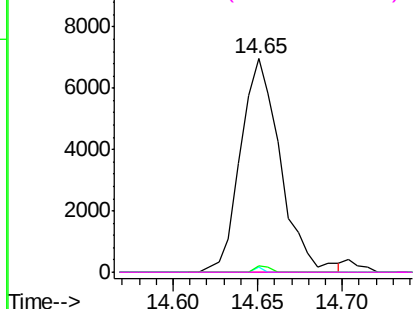
#57
 2,4-Dinitrotoluene
 Concen: 5.368 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043318.D
 Acq: 23 Oct 2019 21:15

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-102219

Tgt Ion:165 Resp: 11424
 Ion Ratio Lower Upper
 165 100
 63 2.2 35.0 52.6#
 89 3.1 54.1 81.1#
 182 0.0 2.2 3.2#

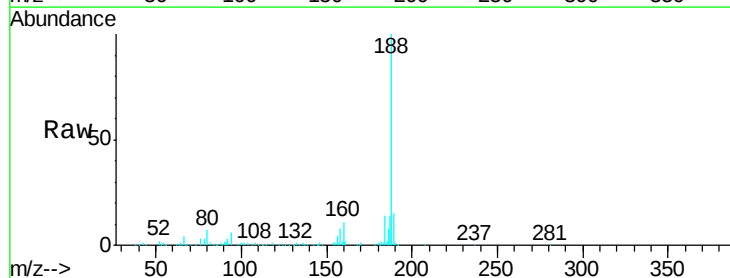


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

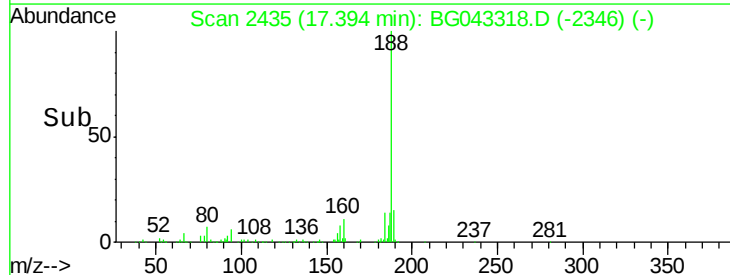
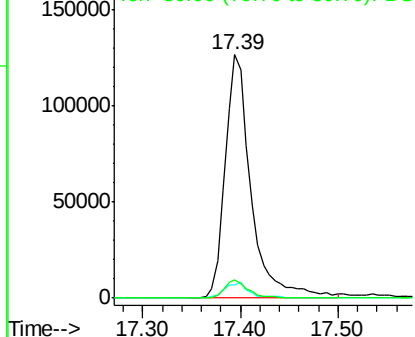


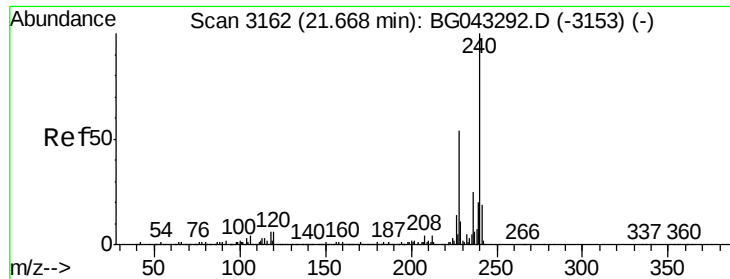
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043318.D
 Acq: 23 Oct 2019 21:15

Tgt Ion:188 Resp: 233124
 Ion Ratio Lower Upper
 188 100
 94 5.6 4.2 6.2
 80 7.3 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

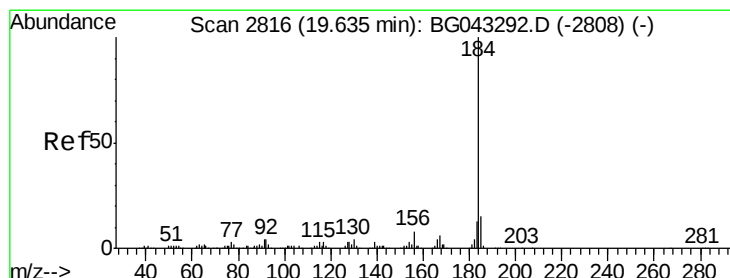
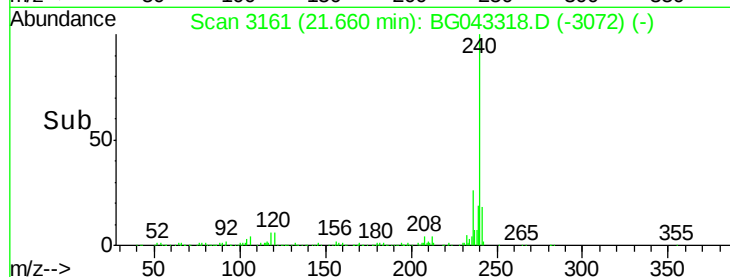
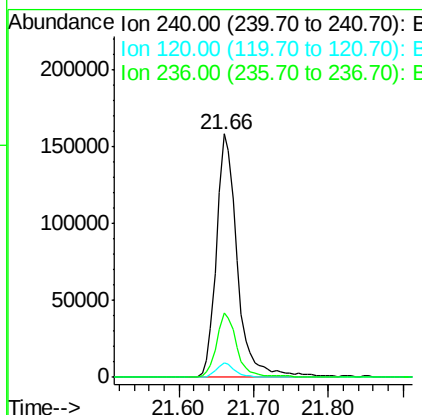
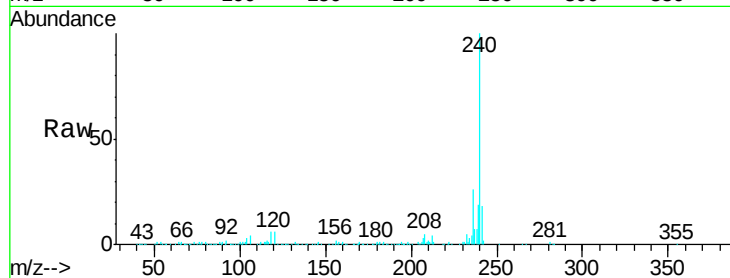




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043318.D
Acq: 23 Oct 2019 21:15

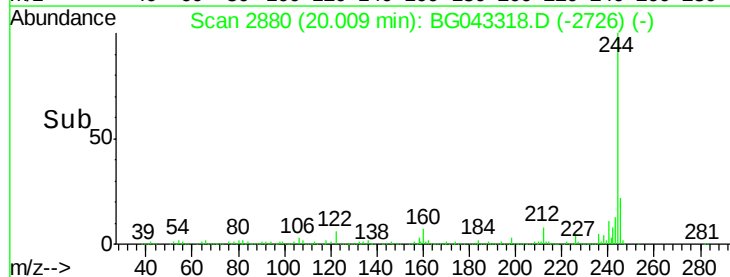
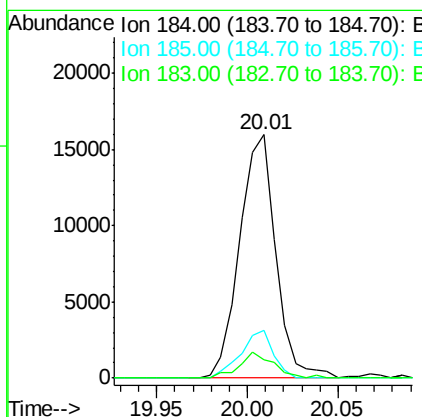
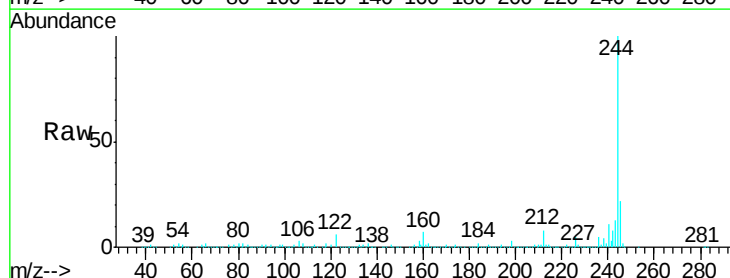
Instrument :
BNA_G
ClientSampleId :
SU-03-102219

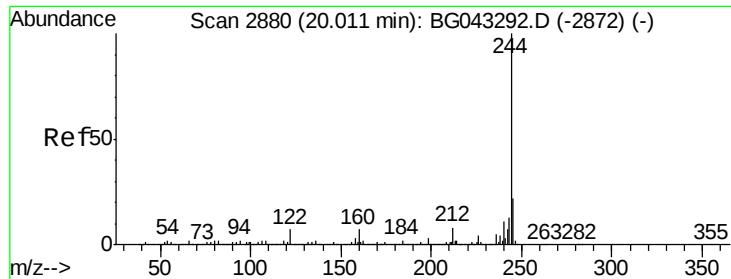
Tgt Ion:240 Resp: 308381
Ion Ratio Lower Upper
240 100
120 5.9 4.6 7.0
236 26.3 20.2 30.4



#77
Benzidine
Concen: 3.561 ng
RT: 20.01 min Scan# 2880
Delta R.T. 0.37 min
Lab File: BG043318.D
Acq: 23 Oct 2019 21:15

Tgt Ion:184 Resp: 22101
Ion Ratio Lower Upper
184 100
185 19.6 11.8 17.6#
183 7.8 10.6 16.0#

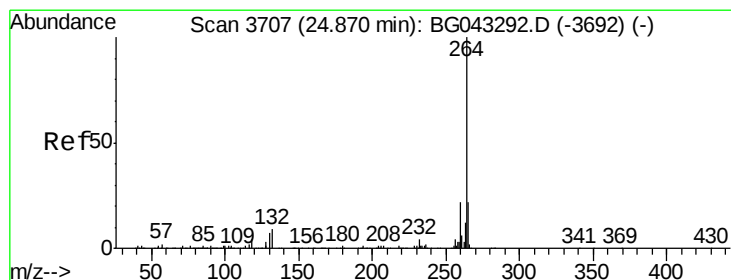
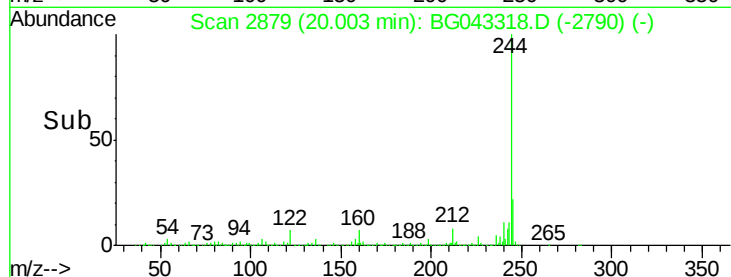
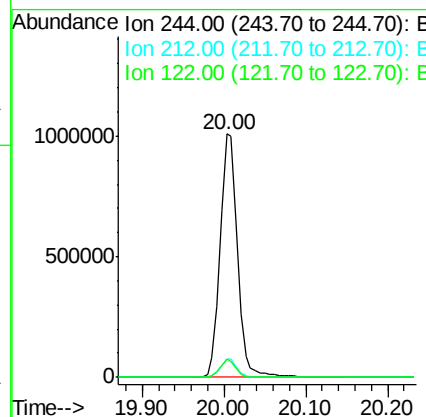
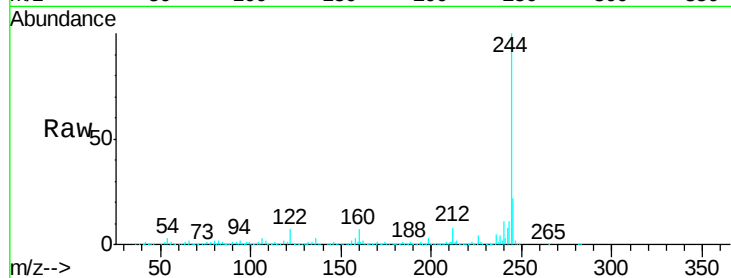




#79
 Terphenyl-d14
 Concen: 91.350 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043318.D
 Acq: 23 Oct 2019 21:15

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-102219

Tgt Ion:244 Resp: 1501592
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.4 9.6
 122 7.4 5.3 7.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3706
 Delta R.T. -0.01 min
 Lab File: BG043318.D
 Acq: 23 Oct 2019 21:15

Tgt Ion:264 Resp: 340064
 Ion Ratio Lower Upper
 264 100
 260 24.2 17.9 26.9
 265 23.4 17.4 26.2

