

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
 Data File : BG040896.D
 Acq On : 12 May 2019 6:36
 Operator : HP/JU
 Sample : K2767-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS007-1218-01

Quant Time: May 13 03:51:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

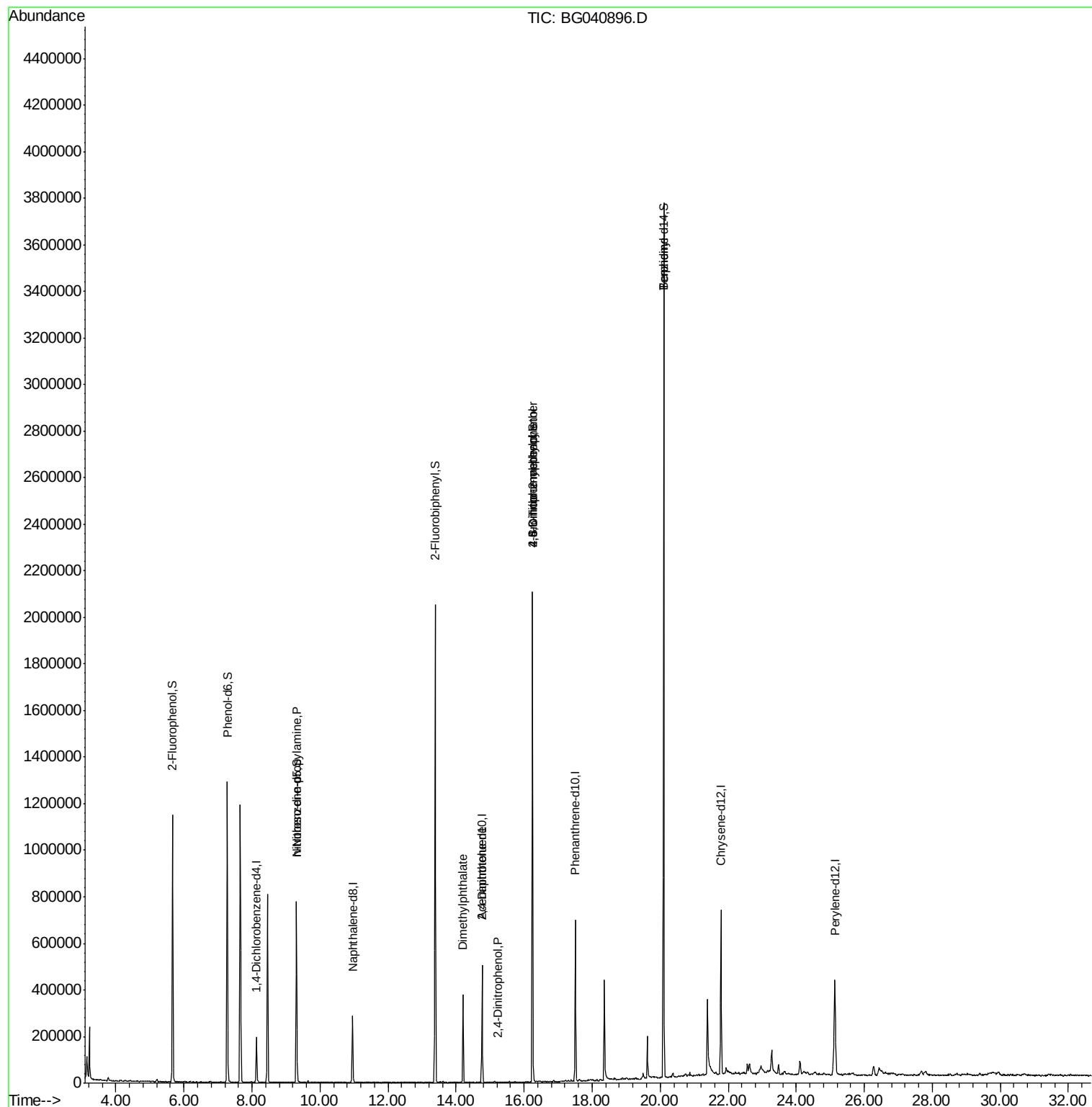
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	53876	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	219933	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	167611	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	427319	20.00	ng	-0.03
76) Chrysene-d12	21.78	240	441425	20.00	ng	-0.04
87) Perylene-d12	25.13	264	479768	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	430864	140.97	ng	-0.02
7) Phenol-d6	7.28	99	667038	141.75	ng	-0.02
23) Nitrobenzene-d5	9.31	82	450981	94.75	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	372528	161.70	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	1020529	87.93	ng	-0.03
79) Terphenyl-d14	20.10	244	1769374	88.80	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1657	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.31	70	67105	15.841	ng	# 68
50) Dimethylphthalate	14.20	163	226181	16.129	ng	# 98
54) 2,4-Dinitrophenol	15.22	184	58	7.049	ng	# 21
57) 2,4-Dinitrotoluene	14.76	165	21654	5.822	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.25	198	836	7.440	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	27993	5.258	ng	# 1
77) Benzydine	20.10	184	31658	2.619	ng	# 97

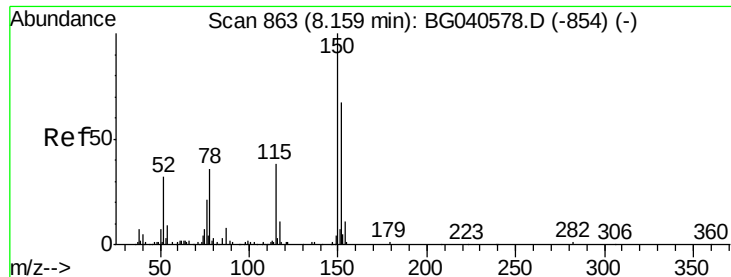
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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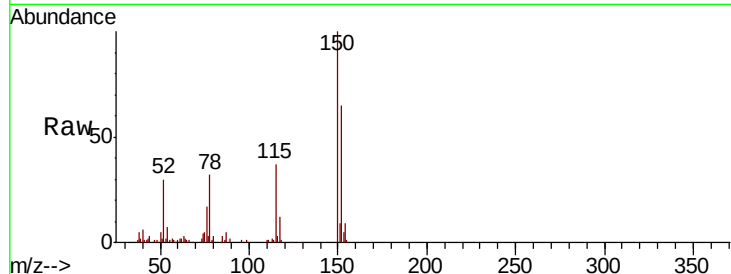


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: BG040896.D
 Acq: 12 May 2019 6:36

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS007-1218-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	120.2	180.2
115	57.5	46.2	69.2

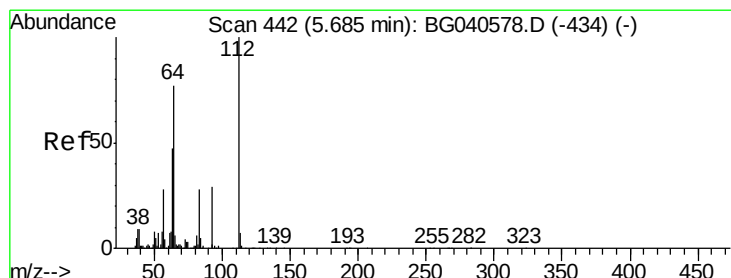
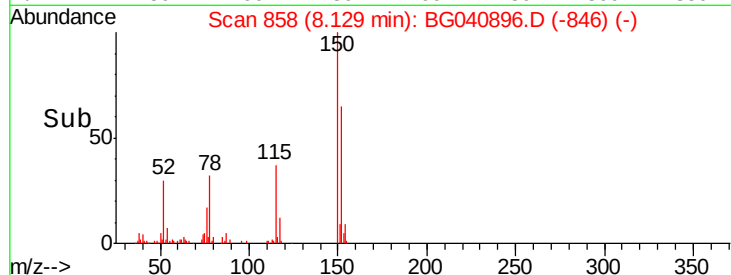
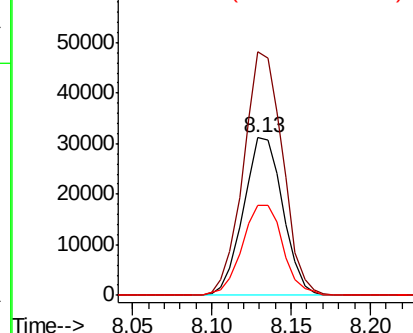


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

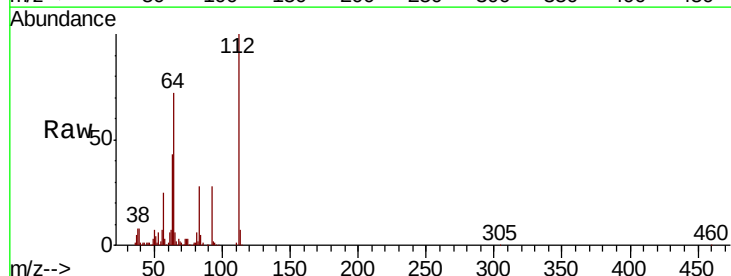
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 140.974 ng
 RT: 5.67 min Scan# 439
 Delta R.T. -0.02 min
 Lab File: BG040896.D
 Acq: 12 May 2019 6:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	61.4	92.0
63	42.8	37.8	56.6

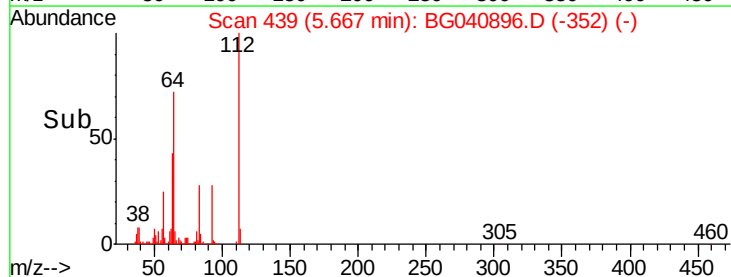
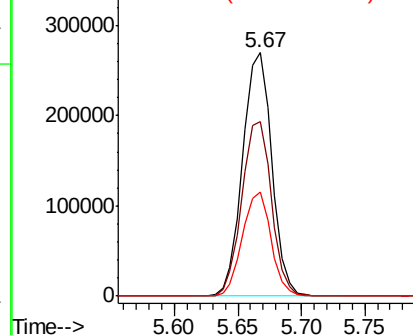


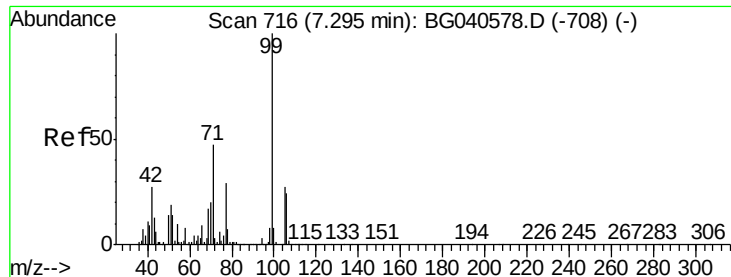
Abundance

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: 141.745 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040896.D

Acq: 12 May 2019 6:36

Instrument :

BNA_G

ClientSampleId :

P021-SS007-1218-01

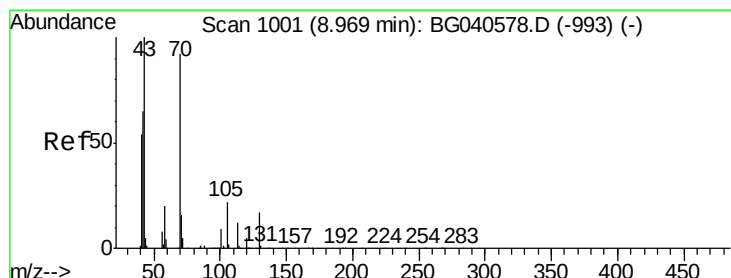
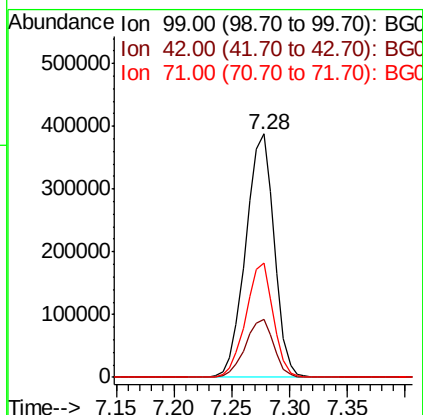
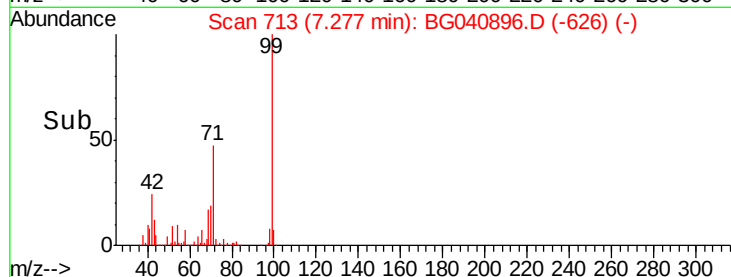
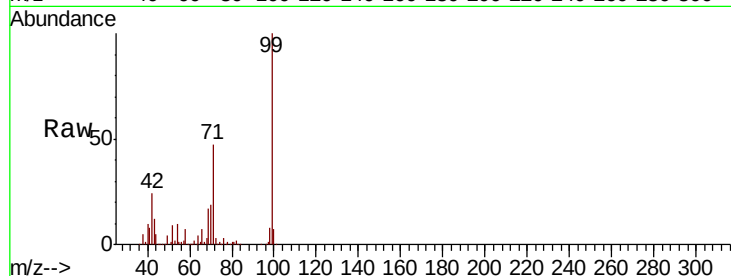
Tgt Ion: 99 Resp: 667038

Ion Ratio Lower Upper

99 100

42 23.7 21.8 32.8

71 46.9 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.841 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040896.D

Acq: 12 May 2019 6:36

Tgt Ion: 70 Resp: 67105

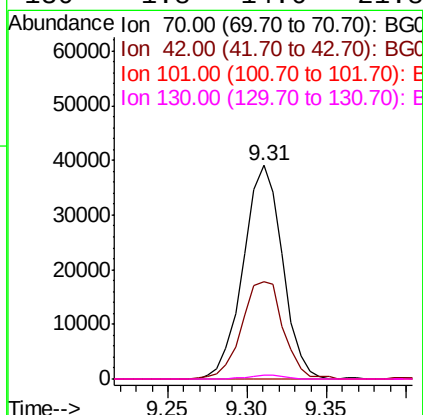
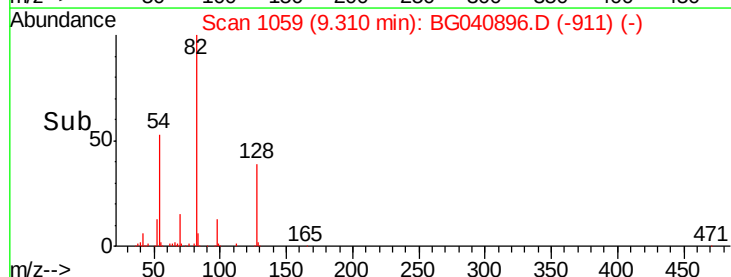
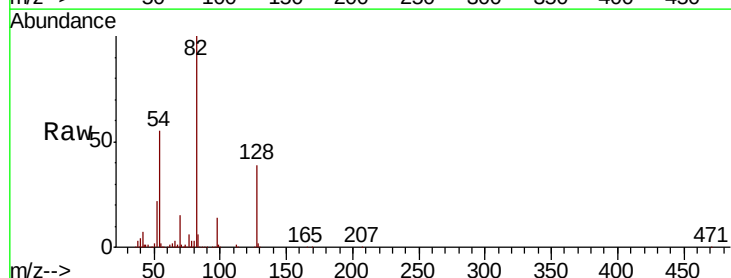
Ion Ratio Lower Upper

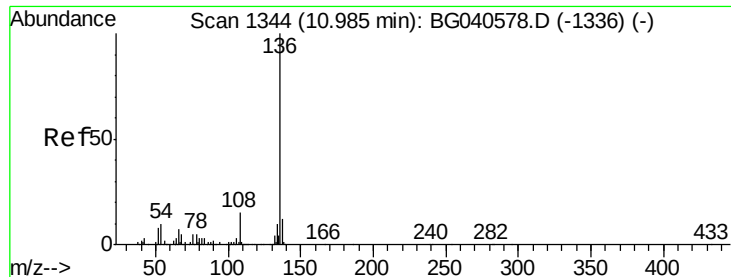
70 100

42 45.4 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#

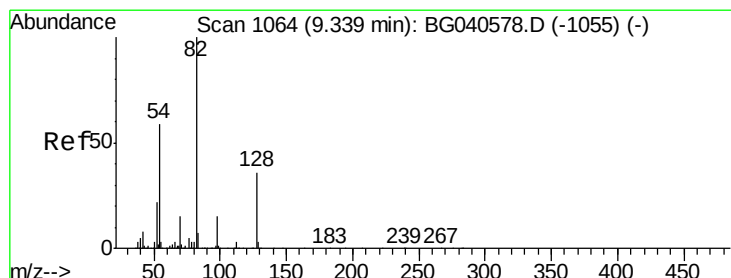
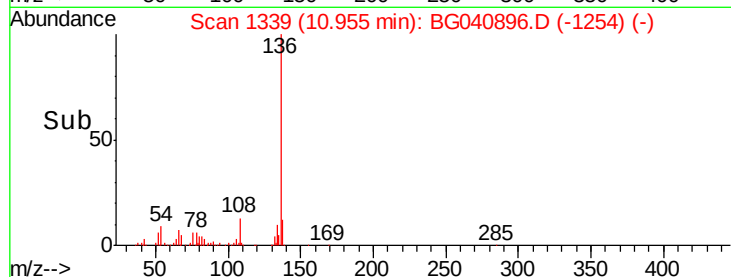
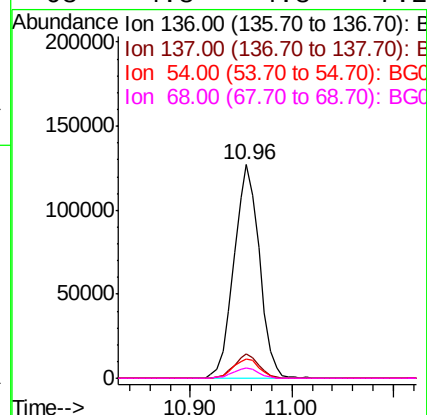
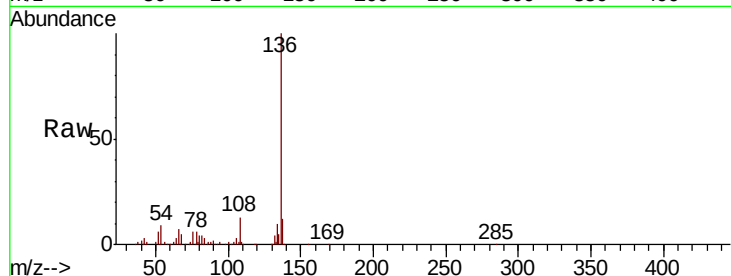




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040896.D
Acq: 12 May 2019 6:36

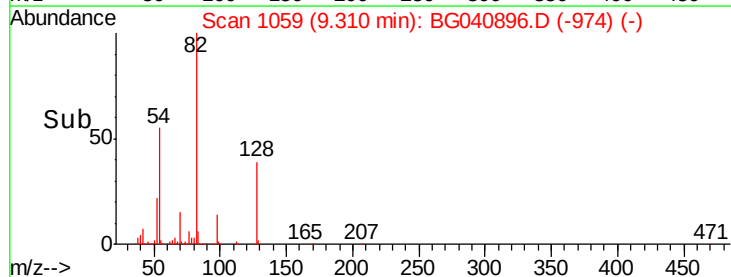
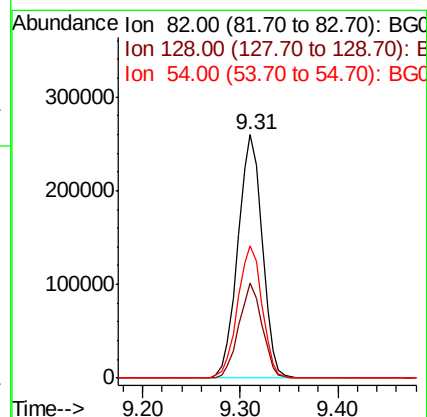
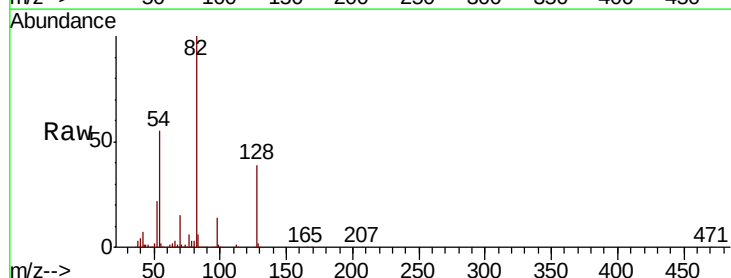
Instrument :
BNA_G
ClientSampleId :
P021-SS007-1218-01

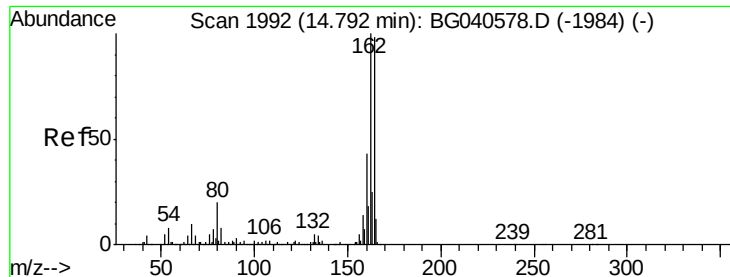
Tgt Ion:	136	Resp:	219933
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	8.9	8.6	12.8
68	4.8	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 94.748 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040896.D
Acq: 12 May 2019 6:36

Tgt Ion:	82	Resp:	450981
Ion	Ratio	Lower	Upper
82	100		
128	39.0	28.9	43.3
54	54.6	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040896.D

Acq: 12 May 2019 6:36

Instrument :

BNA_G

ClientSampleId :

P021-SS007-1218-01

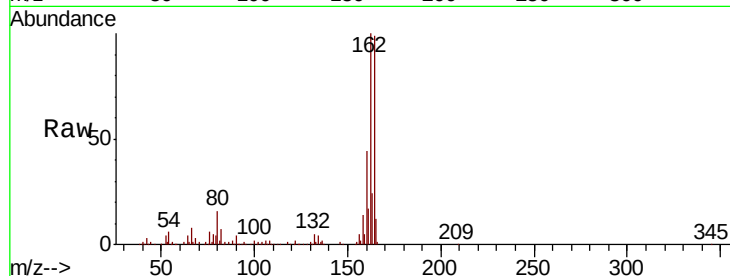
Tgt Ion:164 Resp: 167611

Ion Ratio Lower Upper

164 100

162 101.2 81.9 122.9

160 44.3 35.4 53.2

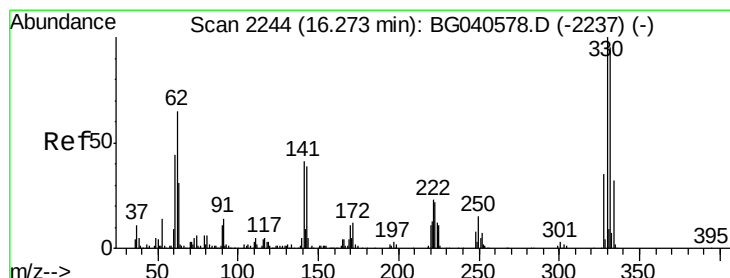
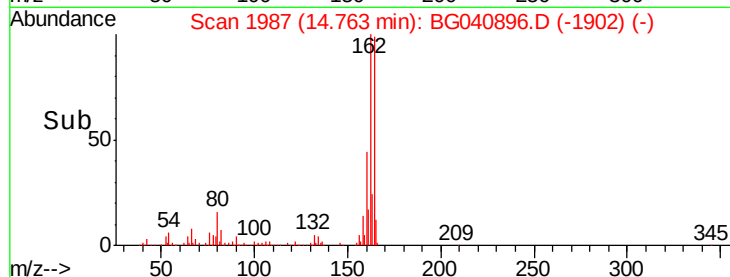
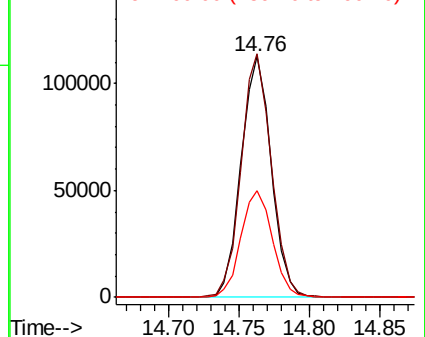


Abundance

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: 161.698 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040896.D

Acq: 12 May 2019 6:36

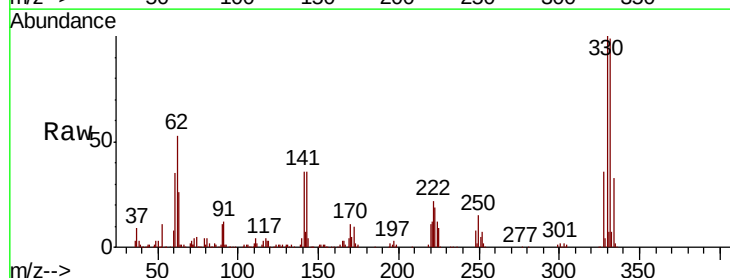
Tgt Ion:330 Resp: 372528

Ion Ratio Lower Upper

330 100

332 98.0 75.9 113.9

141 36.6 32.4 48.6

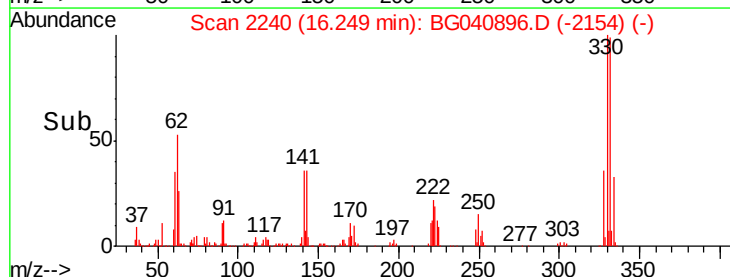
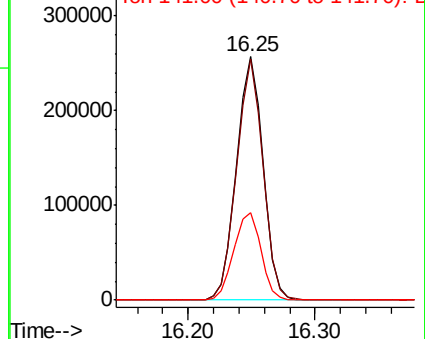


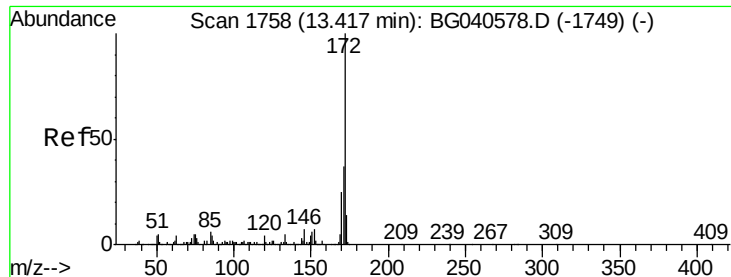
Abundance

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

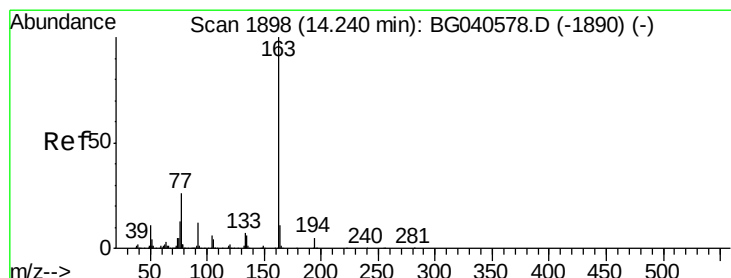
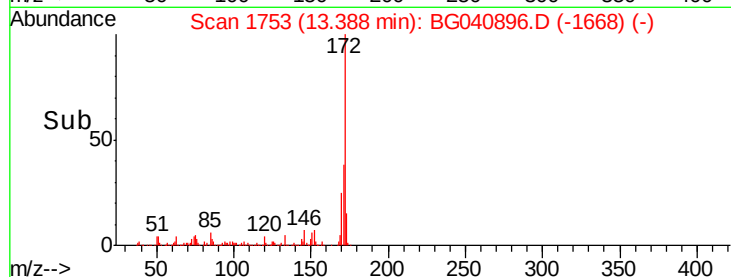
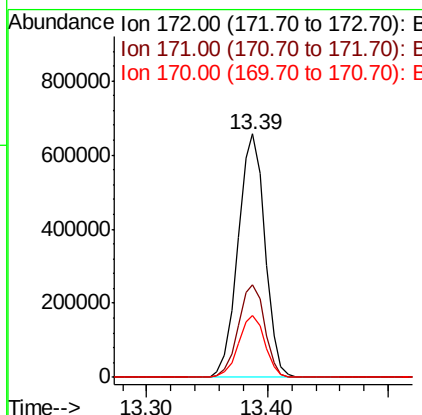
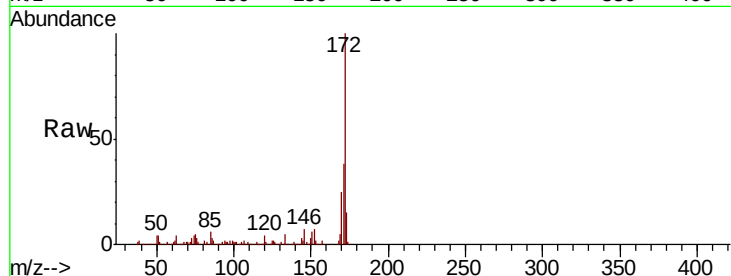




#45
 2-Fluorobiphenyl
 Concen: 87.933 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040896.D
 Acq: 12 May 2019 6:36

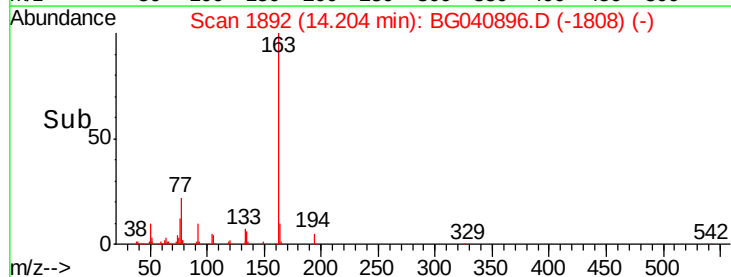
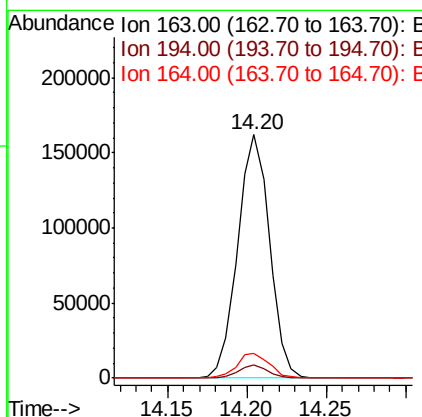
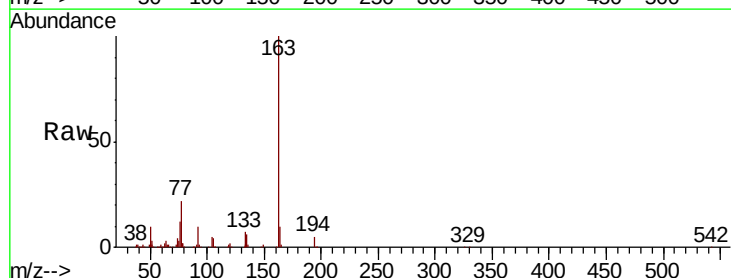
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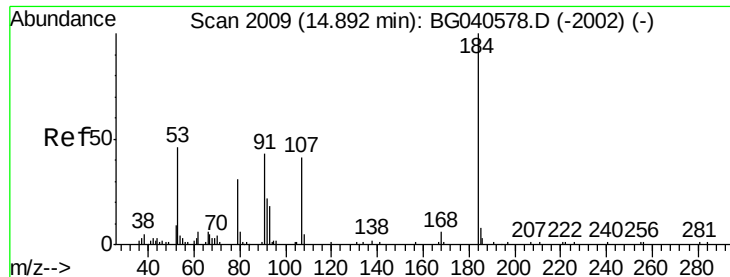
Tgt Ion:	172	Resp:	1020529
Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.4	44.2
170	25.4	19.9	29.9



#50
 Dimethylphthalate
 Concen: 16.129 ng
 RT: 14.20 min Scan# 1892
 Delta R.T. -0.04 min
 Lab File: BG040896.D
 Acq: 12 May 2019 6:36

Tgt Ion:	163	Resp:	226181
Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.8	5.8
164	10.3	8.8	13.2

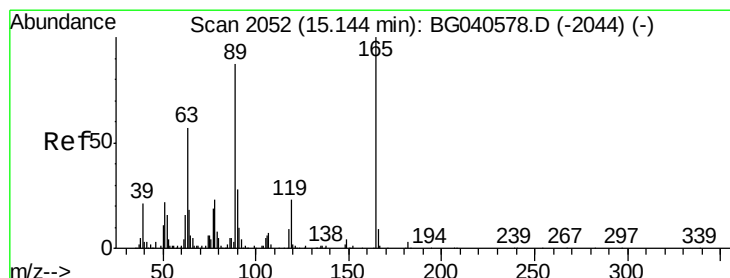
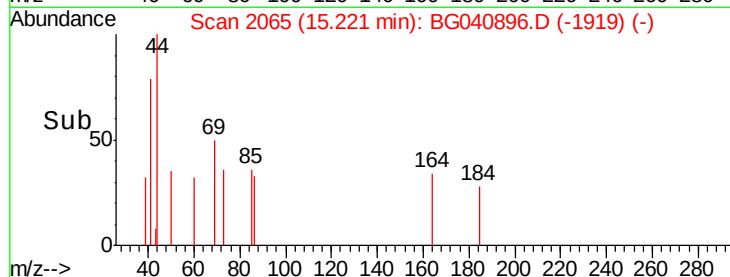
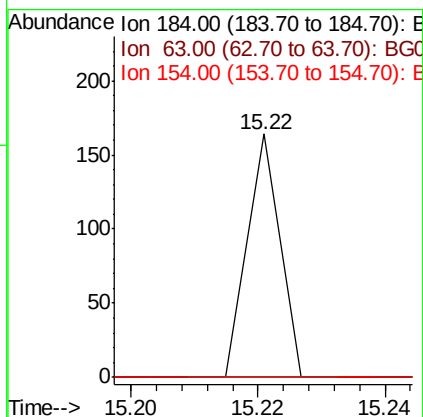
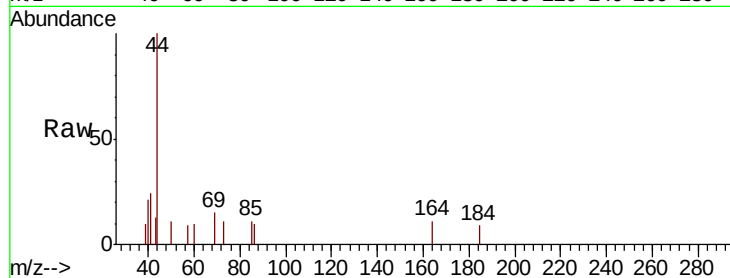




#54
2,4-Dinitrophenol
Concen: 7.049 ng
RT: 15.22 min Scan# 2065
Delta R.T. 0.33 min
Lab File: BG040896.D
Acq: 12 May 2019 6:36

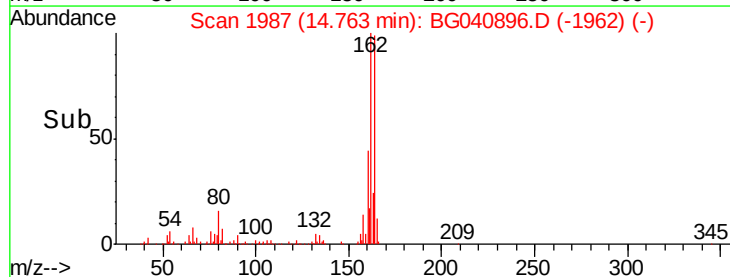
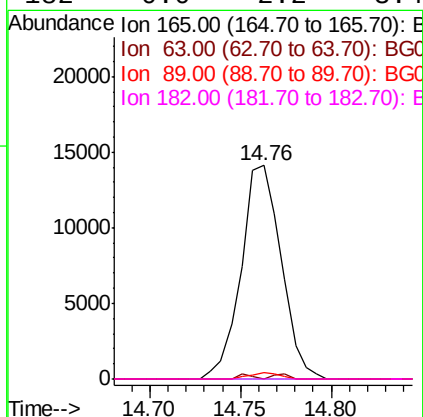
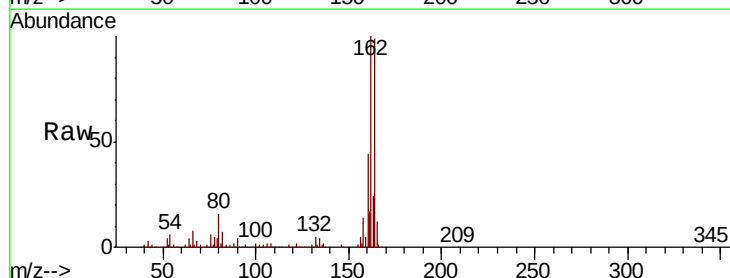
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BNA_G
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P021-SS007-1218-01

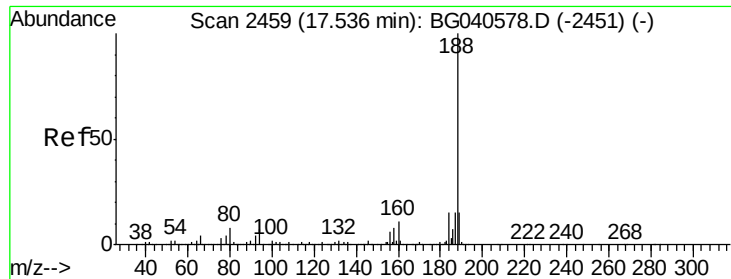
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.822 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.38 min
Lab File: BG040896.D
Acq: 12 May 2019 6:36

Tgt Ion:165 Resp: 21654
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 3.3 69.4 104.2#
182 0.0 2.2 3.4#

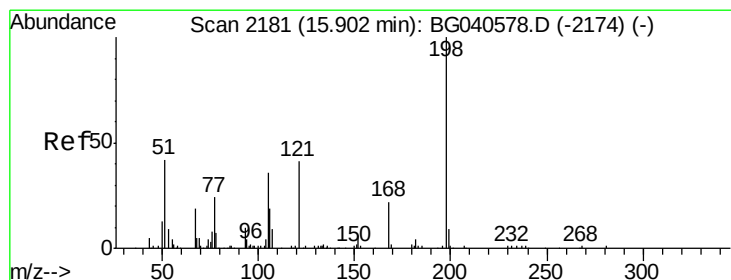
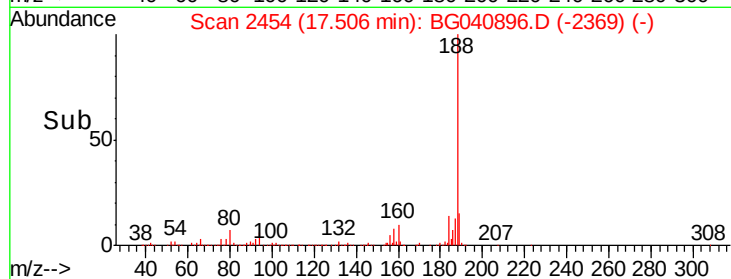
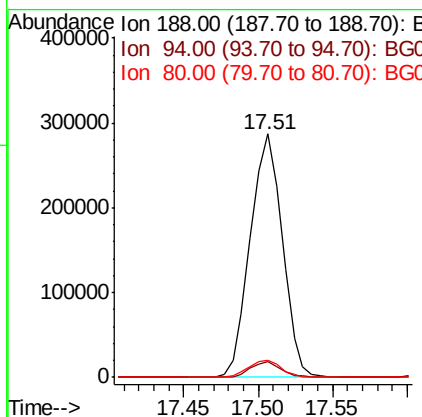
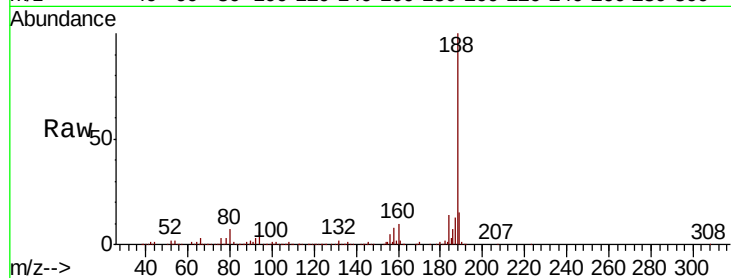




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2454
 Delta R.T. -0.03 min
 Lab File: BG040896.D
 Acq: 12 May 2019 6:36

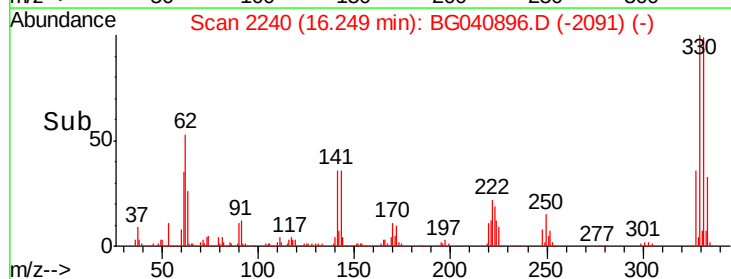
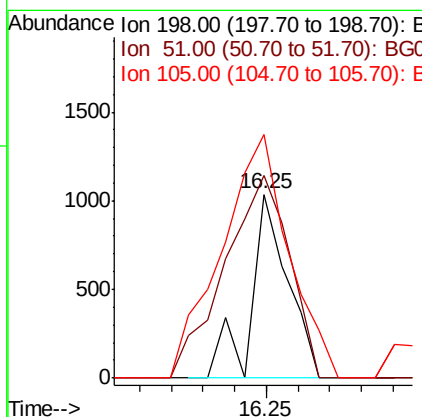
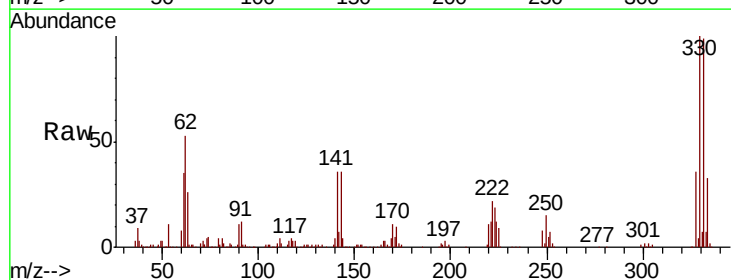
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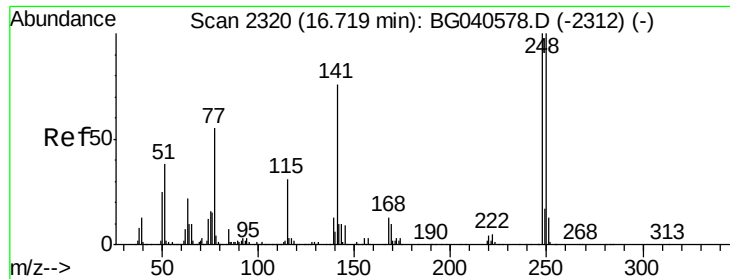
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.6	8.4
80	7.0	6.4	9.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.440 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. 0.35 min
 Lab File: BG040896.D
 Acq: 12 May 2019 6:36

Tgt Ion	Ratio	Lower	Upper
198	100		
51	110.2	35.9	75.9#
105	132.7	21.2	61.2#

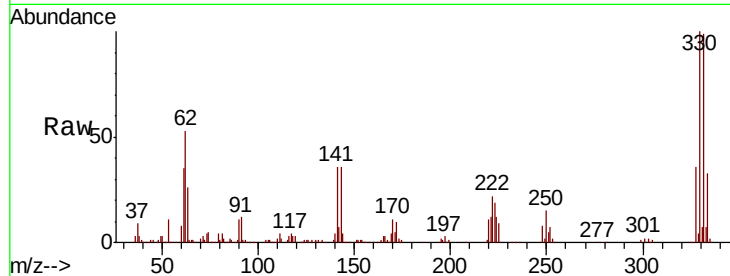




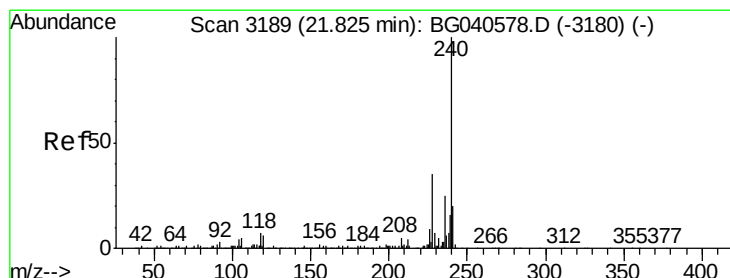
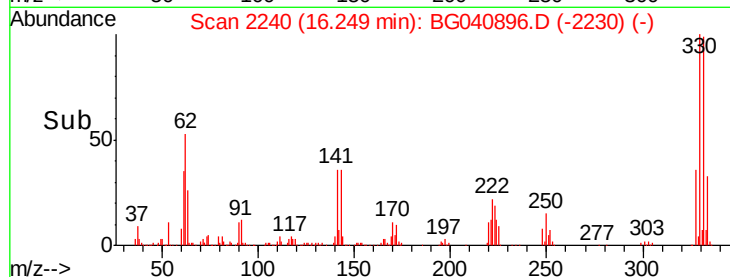
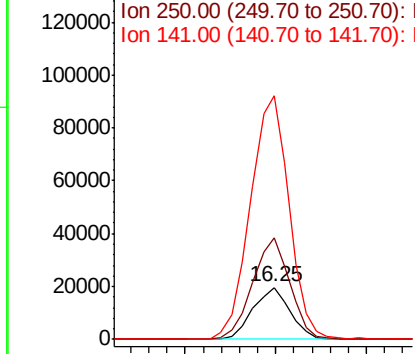
#67
 4-Bromophenyl-phenylether
 Concen: 5.258 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040896.D
 Acq: 12 May 2019 6:36

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS007-1218-01

Tgt Ion:248 Resp: 27993
 Ion Ratio Lower Upper
 248 100
 250 197.0 79.8 119.6#
 141 471.0 60.8 91.2#

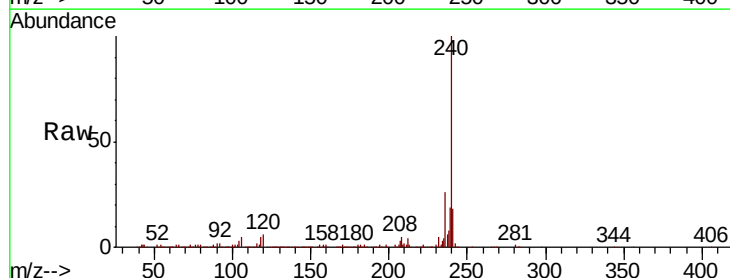


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

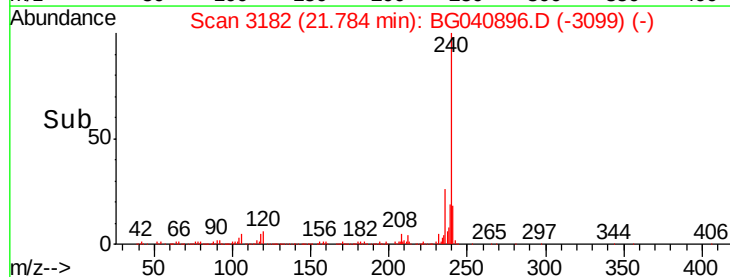
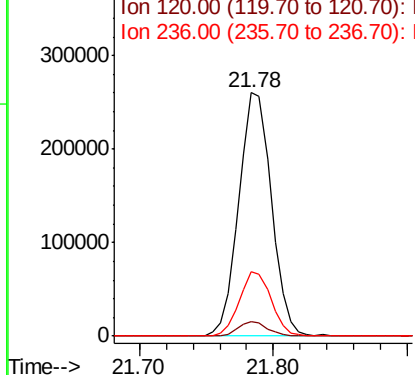


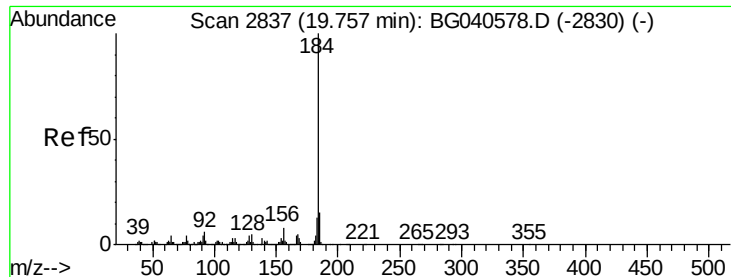
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: BG040896.D
 Acq: 12 May 2019 6:36

Tgt Ion:240 Resp: 441425
 Ion Ratio Lower Upper
 240 100
 120 6.0 5.0 7.6
 236 26.3 20.3 30.5



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: 2.619 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040896.D

Acq: 12 May 2019 6:36

Instrument :

BNA_G

ClientSampleId :

P021-SS007-1218-01

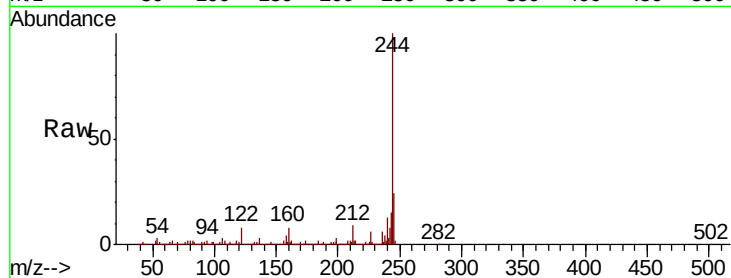
Tgt Ion:184 Resp: 31658

Ion Ratio Lower Upper

184 100

185 14.5 11.8 17.8

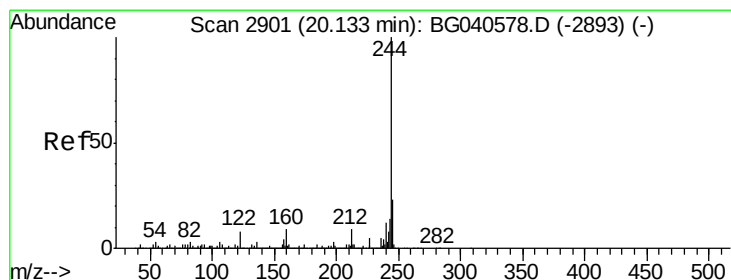
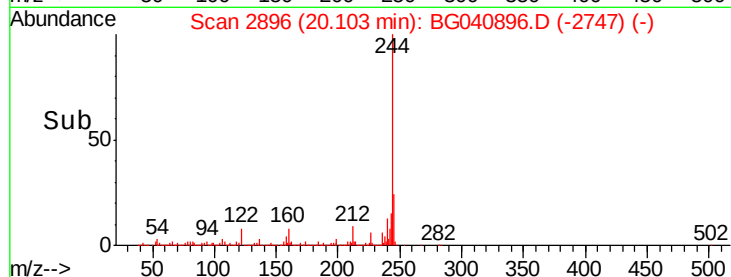
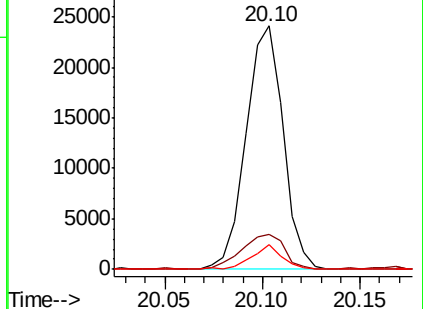
183 10.1 10.2 15.2#



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: 88.801 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040896.D

Acq: 12 May 2019 6:36

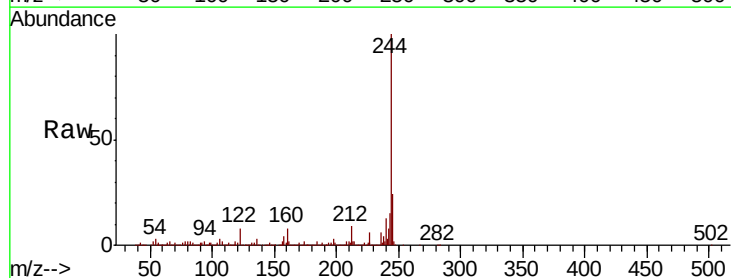
Tgt Ion:244 Resp: 1769374

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

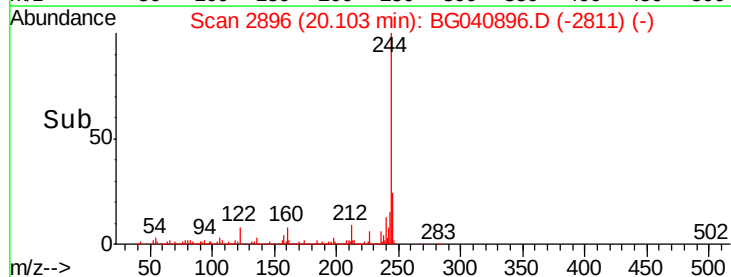
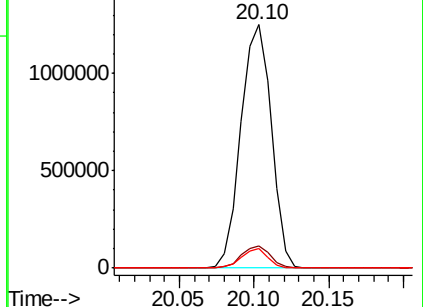
122 7.8 6.6 10.0

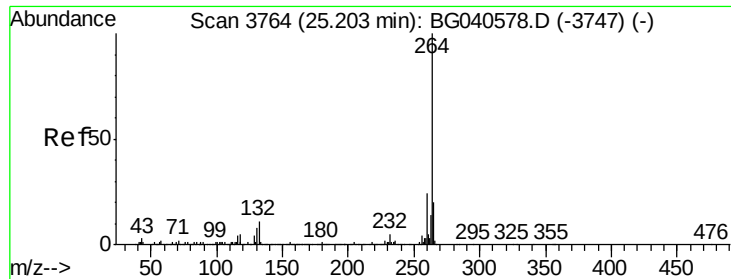


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.13 min Scan# 3752
Delta R.T. -0.07 min
Lab File: BG040896.D
Acq: 12 May 2019 6:36

Instrument :
BNA_G
ClientSampleId :
P021-SS007-1218-01

Tgt Ion:	264	Resp:	479768
Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	20.7	16.6	25.0

