

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042289.D
 Acq On : 17 Aug 2019 14:11
 Operator : HP/JU
 Sample : K3616-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-081519-A

Quant Time: Aug 19 05:56:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

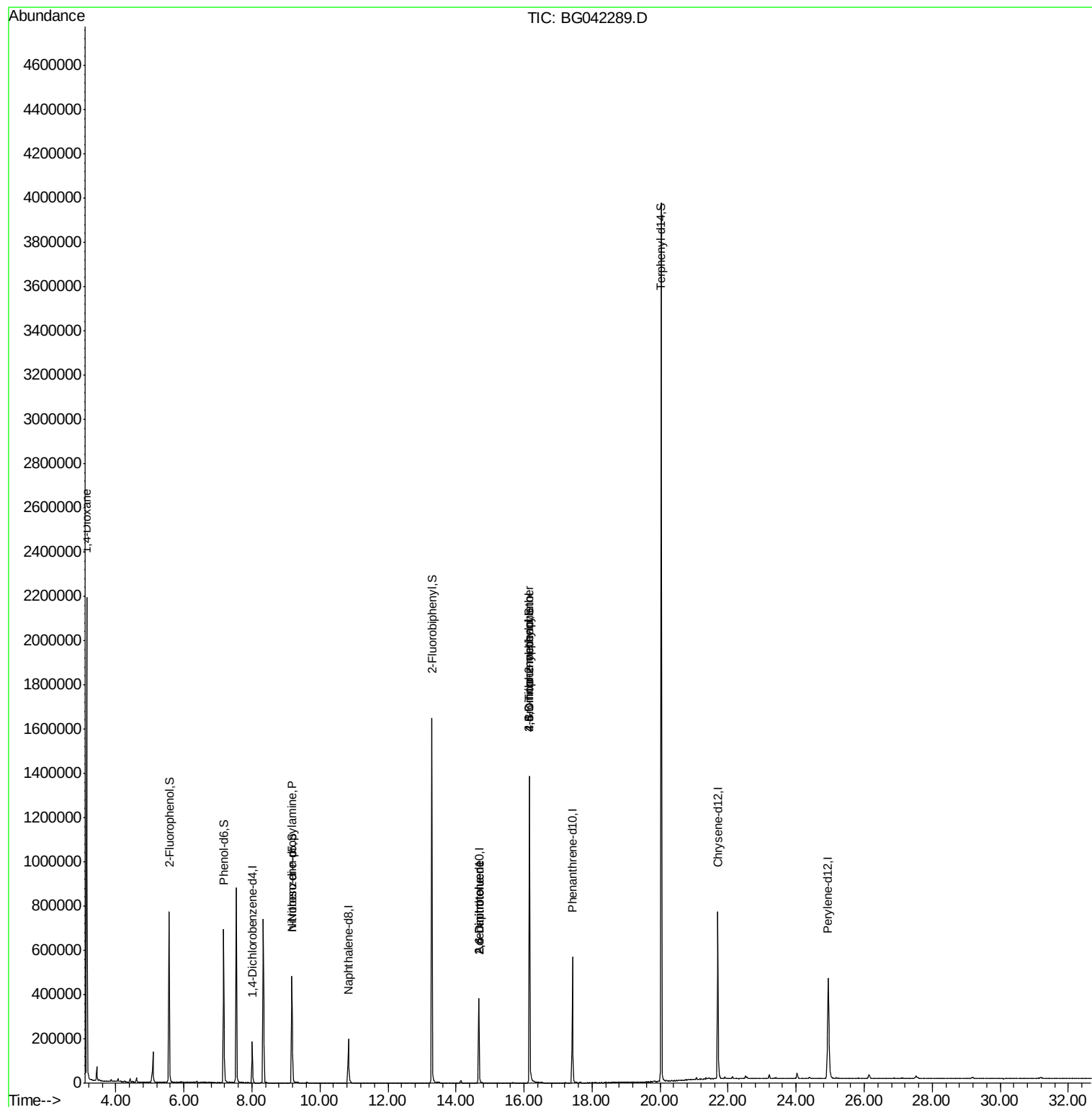
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	60947	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	225768	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	165795	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	404360	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	482602	20.00	ng	-0.04
87) Perylene-d12	24.94	264	544702	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	391099	124.85	ng	-0.03
7) Phenol-d6	7.17	99	480438	113.76	ng	-0.03
23) Nitrobenzene-d5	9.18	82	325553	99.23	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	337783	179.37	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	992100	105.54	ng	-0.04
79) Terphenyl-d14	20.03	244	1990396	94.37	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	21314	14.456	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	41198	13.437	ng	# 61
51) 2,6-Dinitrotoluene	14.66	165	21177	8.944	ng	# 25
57) 2,4-Dinitrotoluene	14.66	165	21177	6.504	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.16	198	691	7.152	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	23111	4.640	ng	# 1

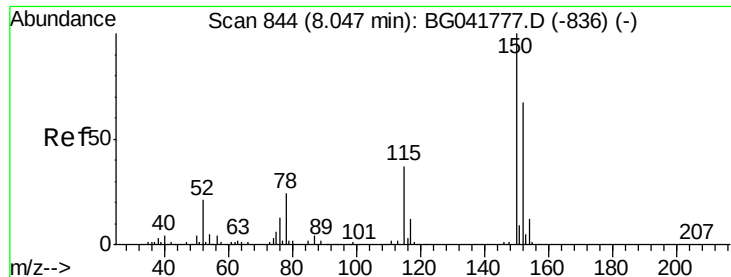
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.04 min

Lab File: BG042289.D

Acq: 17 Aug 2019 14:11

Instrument :

BNA_G

ClientSampleId :

JC-03-081519-A

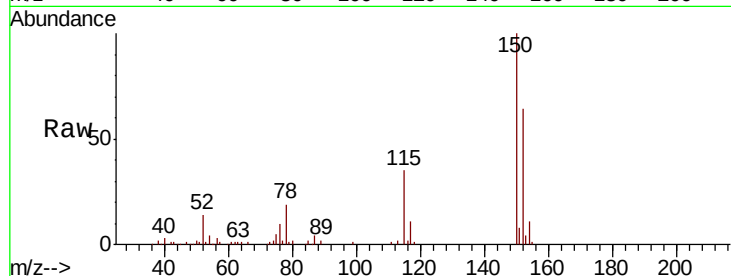
Tgt Ion:152 Resp: 60947

Ion Ratio Lower Upper

152 100

150 156.2 126.9 190.3

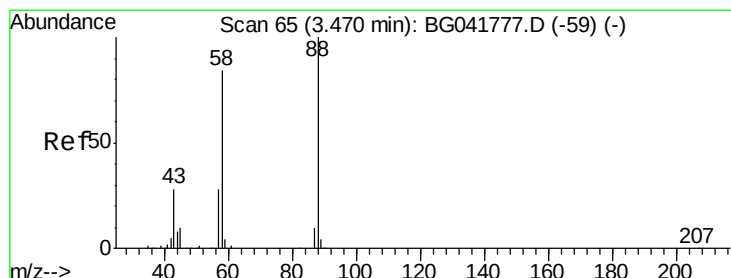
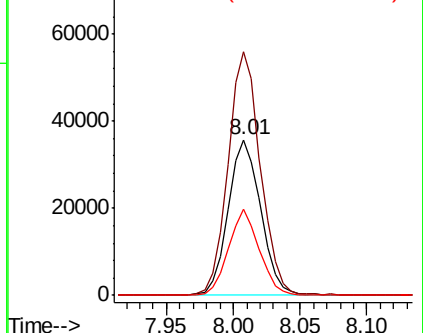
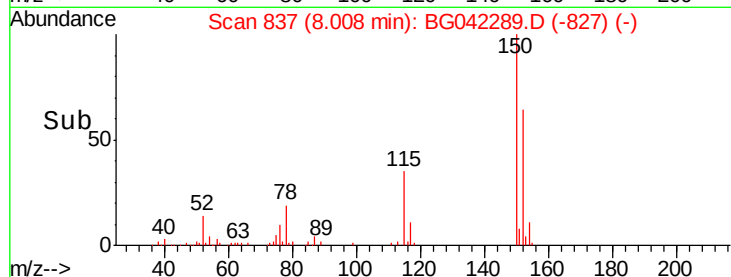
115 55.3 45.0 67.6



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



#2

1,4-Dioxane

Concen: 14.456 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042289.D

Acq: 17 Aug 2019 14:11

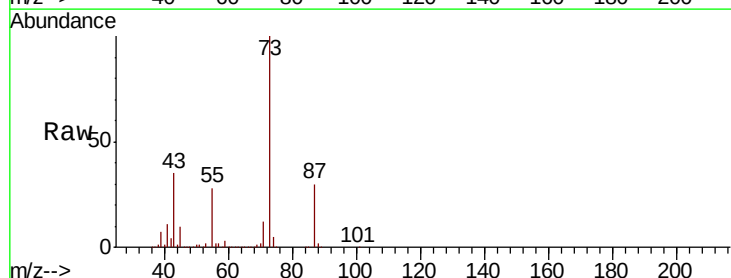
Tgt Ion: 88 Resp: 21314

Ion Ratio Lower Upper

88 100

58 27.4 76.2 114.2#

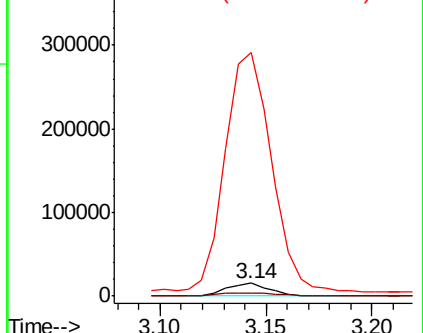
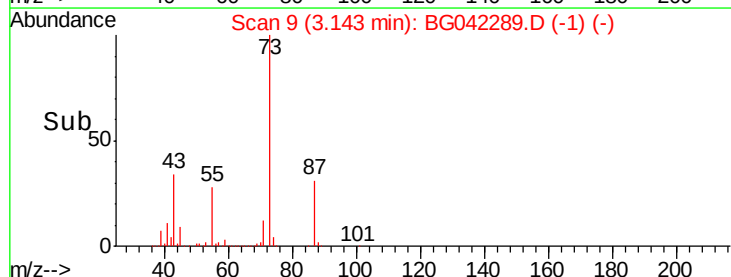
43 2087.7 27.2 40.8#

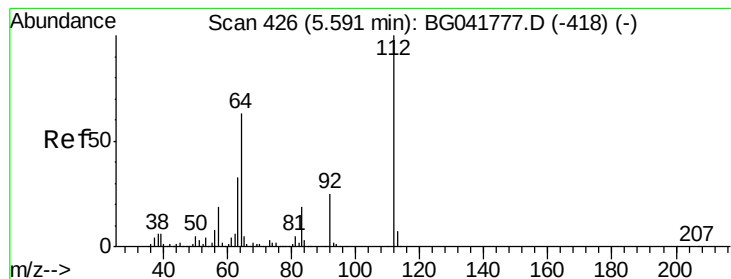


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 124.851 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042289.D

Acq: 17 Aug 2019 14:11

Instrument :

BNA_G

ClientSampleId :

JC-03-081519-A

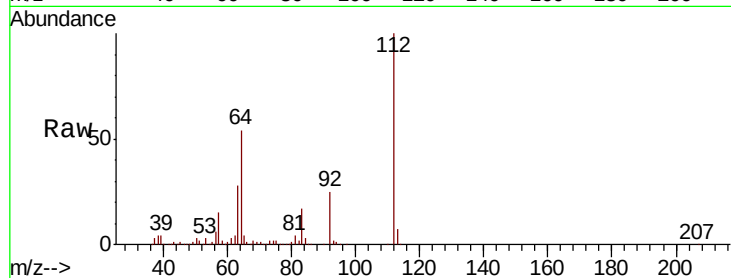
Tgt Ion:112 Resp: 391099

Ion Ratio Lower Upper

112 100

64 54.3 55.4 83.2#

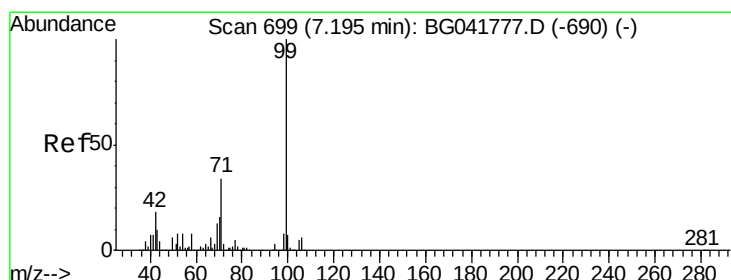
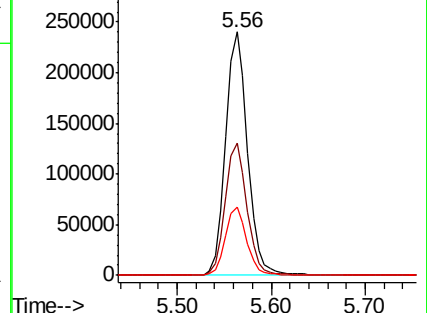
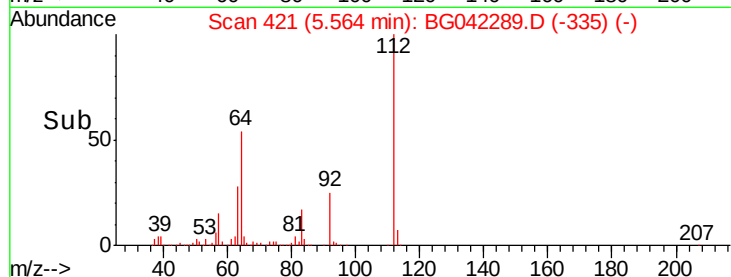
63 27.9 29.1 43.7#



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: 113.763 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042289.D

Acq: 17 Aug 2019 14:11

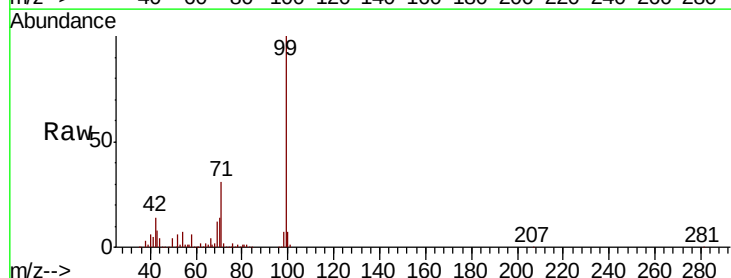
Tgt Ion: 99 Resp: 480438

Ion Ratio Lower Upper

99 100

42 14.1 17.6 26.4#

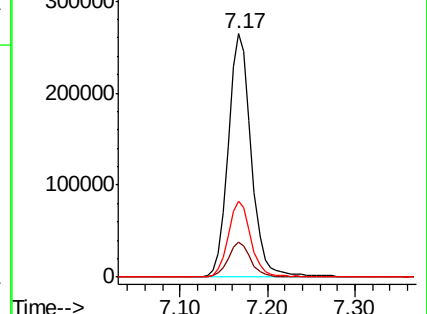
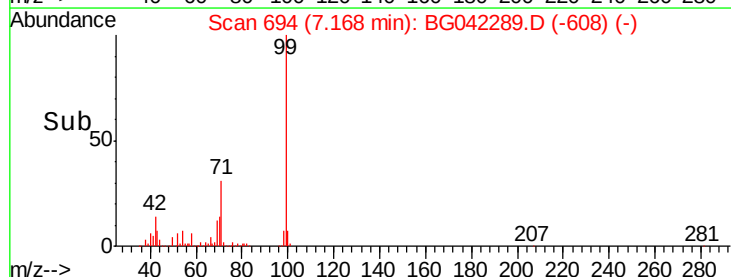
71 31.3 27.8 41.6

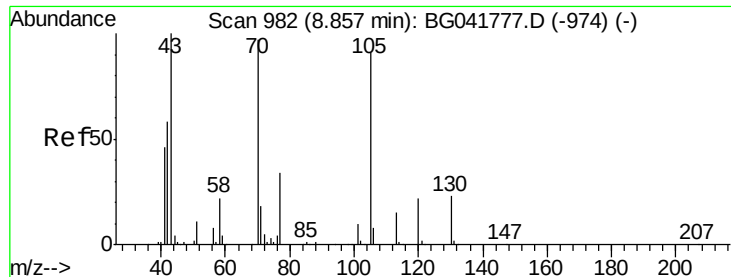


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

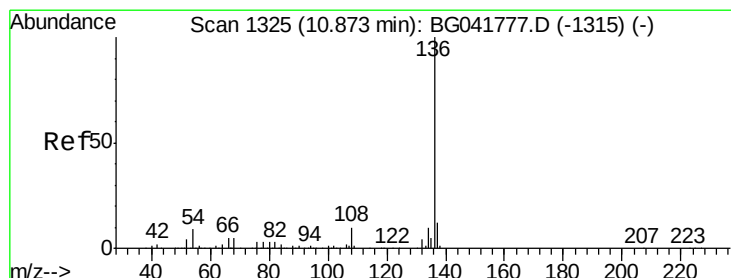
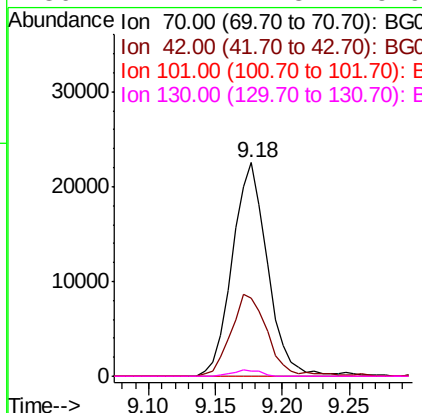
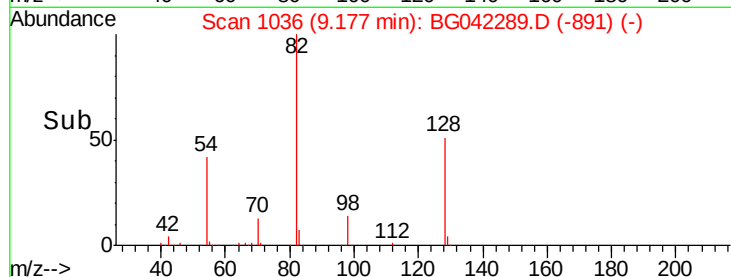
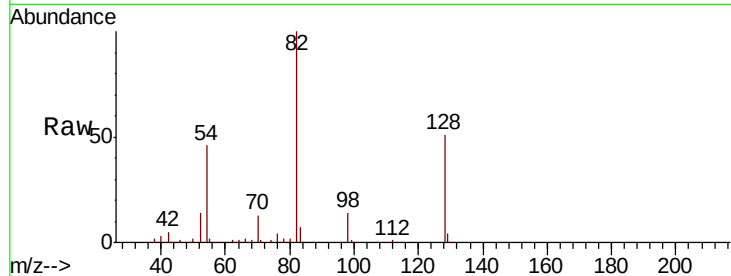




#19
n-Nitroso-di-n-propylamine
Concen: 13.437 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.32 min
Lab File: BG042289.D
Acq: 17 Aug 2019 14:11

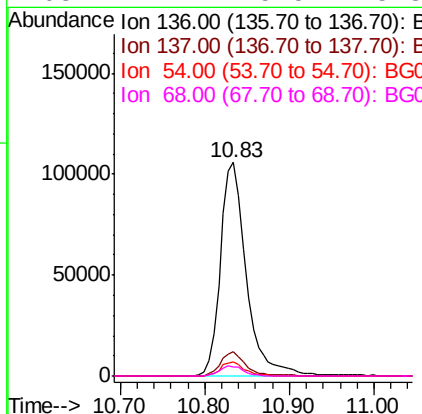
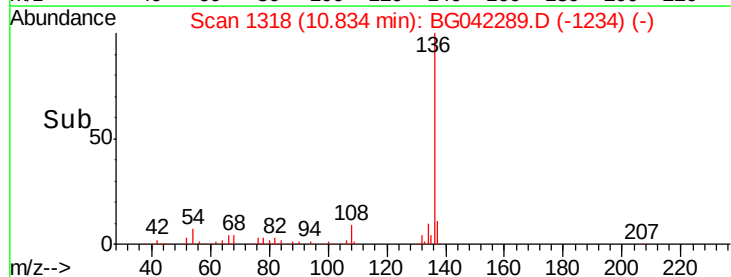
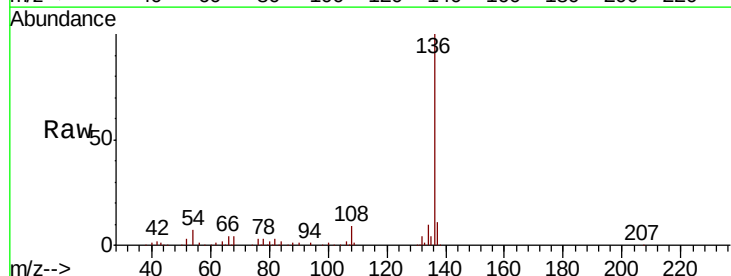
Instrument :
BNA_G
ClientSampleId :
JC-03-081519-A

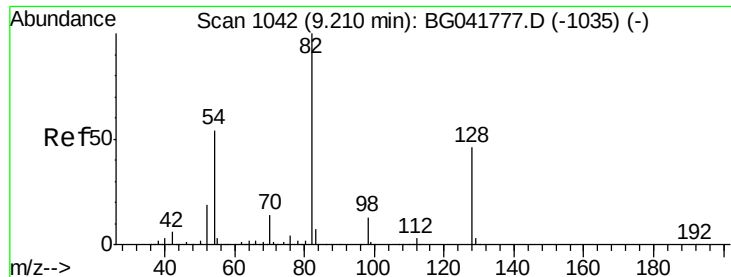
Tgt Ion: 70 Resp: 41198
Ion Ratio Lower Upper
70 100
42 36.8 55.8 83.6#
101 0.0 8.1 12.1#
130 2.2 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042289.D
Acq: 17 Aug 2019 14:11

Tgt Ion: 136 Resp: 225768
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 6.9 8.7 13.1#
68 4.1 5.5 8.3#

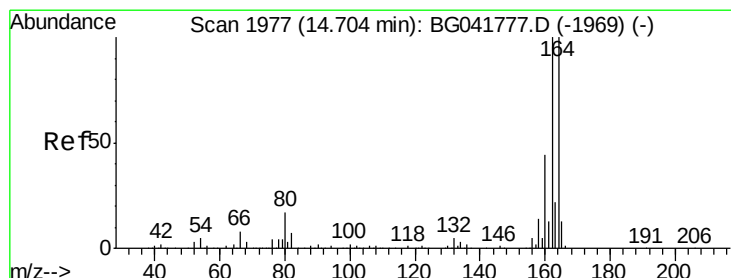
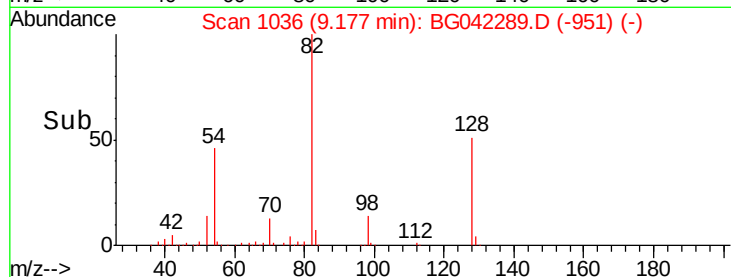
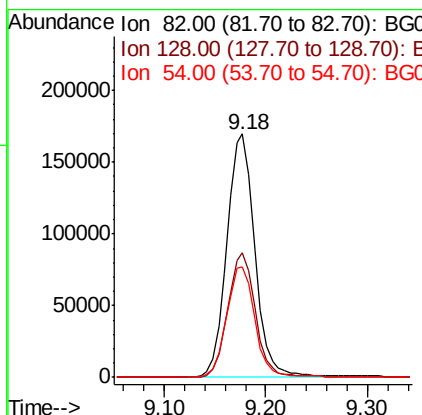
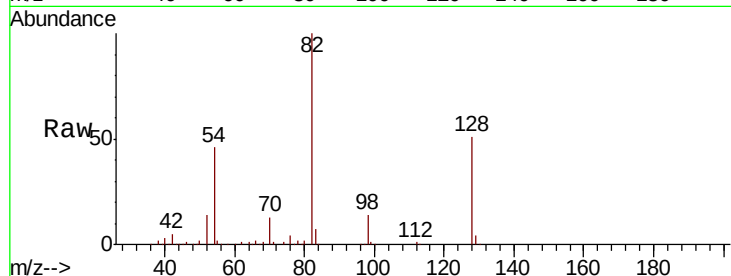




#23
 Nitrobenzene-d5
 Concen: 99.232 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.03 min
 Lab File: BG042289.D
 Acq: 17 Aug 2019 14:11

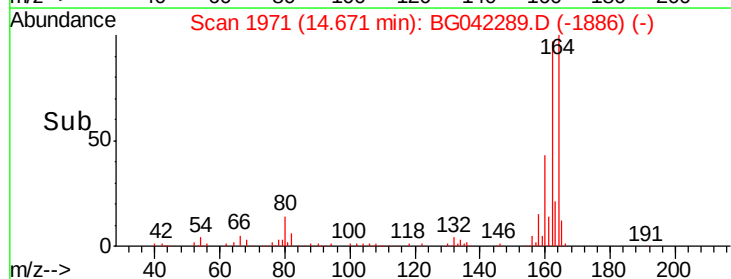
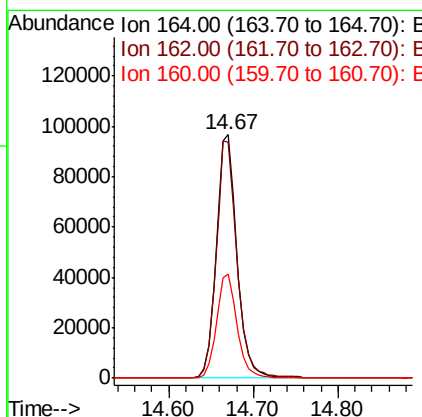
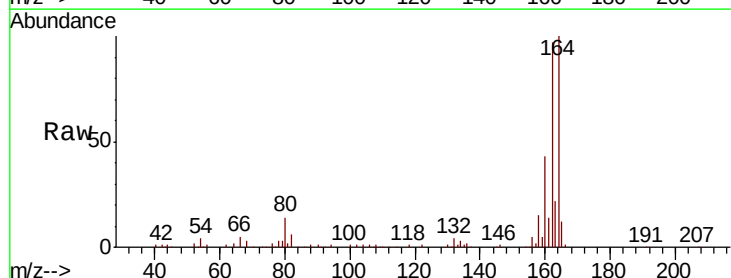
Instrument :
 BNA_G
 ClientSampleId :
 JC-03-081519-A

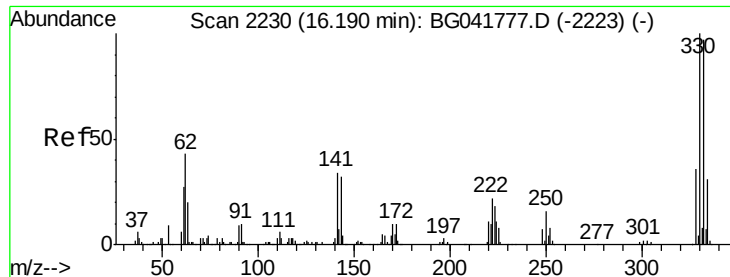
Tgt Ion: 82 Resp: 325553
 Ion Ratio Lower Upper
 82 100
 128 51.1 35.1 52.7
 54 45.6 48.7 73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.03 min
 Lab File: BG042289.D
 Acq: 17 Aug 2019 14:11

Tgt Ion: 164 Resp: 165795
 Ion Ratio Lower Upper
 164 100
 162 97.0 79.6 119.4
 160 42.9 35.4 53.0

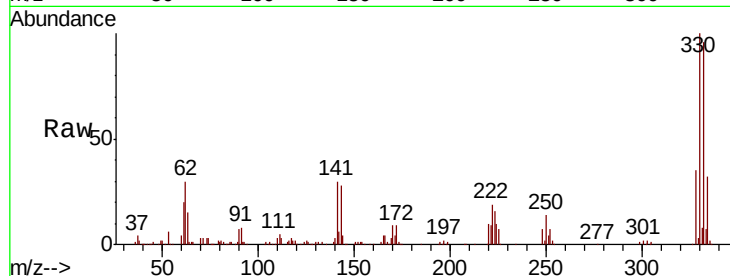




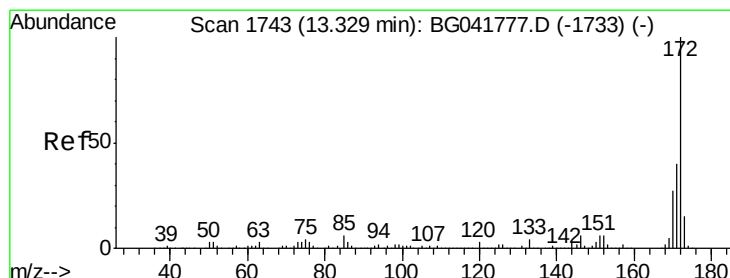
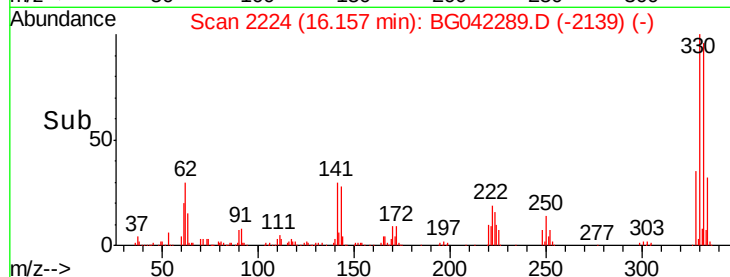
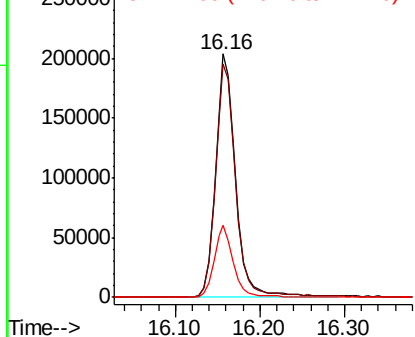
#42
 2,4,6-Tribromophenol
 Concen: 179.366 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.03 min
 Lab File: BG042289.D
 Acq: 17 Aug 2019 14:11

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-081519-A

Tgt Ion:330 Resp: 337783
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.4 116.0
 141 28.4 31.9 47.9#

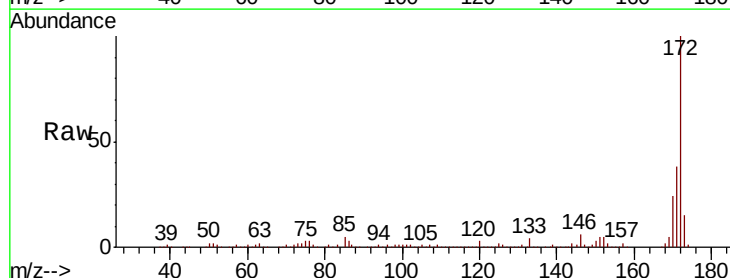


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

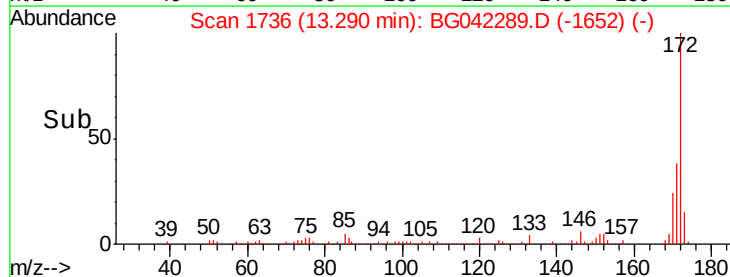
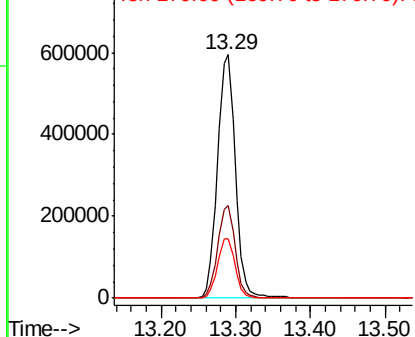


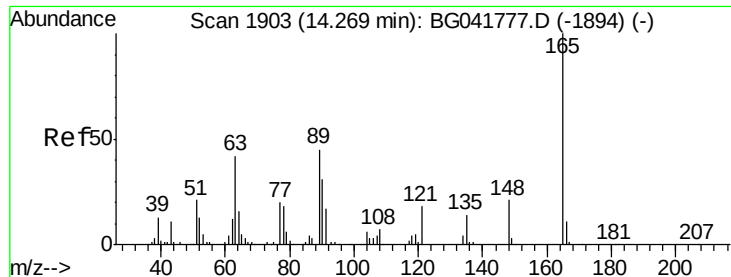
#45
 2-Fluorobiphenyl
 Concen: 105.539 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042289.D
 Acq: 17 Aug 2019 14:11

Tgt Ion:172 Resp: 992100
 Ion Ratio Lower Upper
 172 100
 171 37.9 35.0 52.4
 170 24.5 23.5 35.3



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

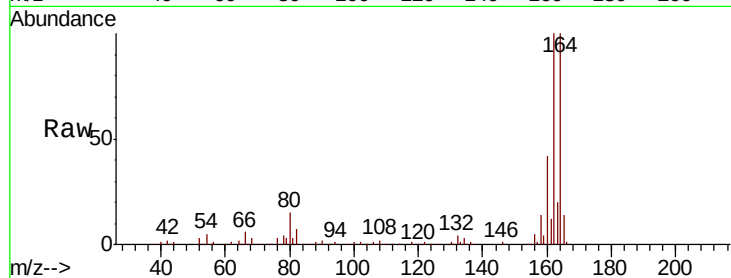




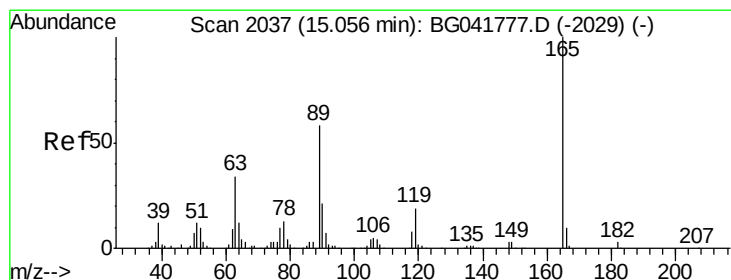
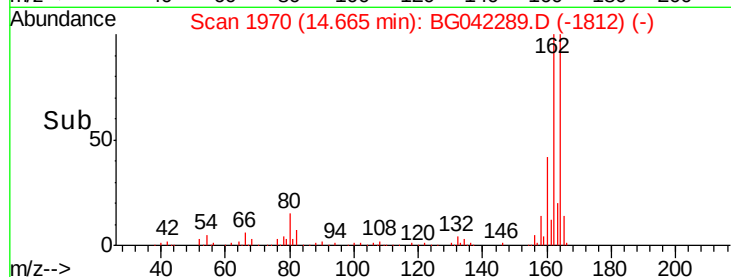
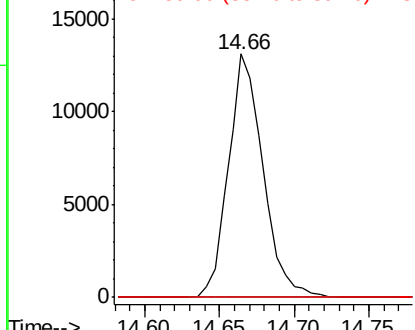
#51
 2,6-Dinitrotoluene
 Concen: 8.944 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042289.D
 Acq: 17 Aug 2019 14:11

Instrument :
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 ClientSampleId :
 JC-03-081519-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



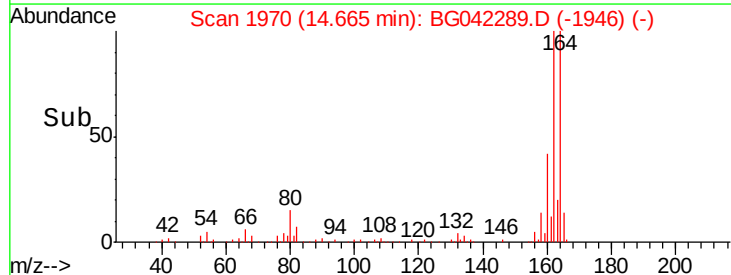
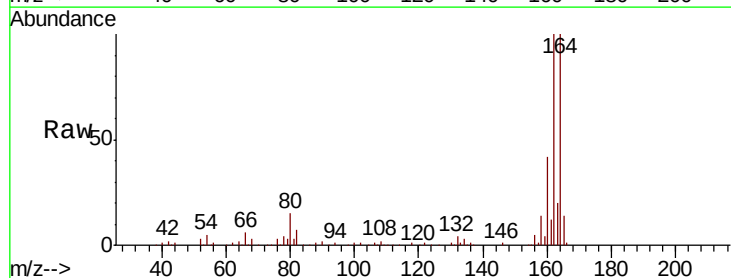
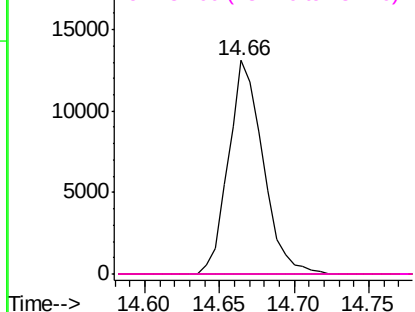
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

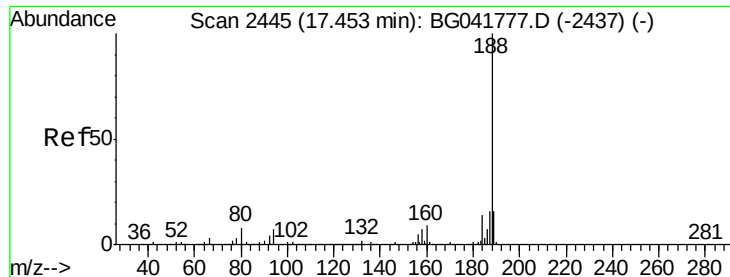


#57
 2,4-Dinitrotoluene
 Concen: 6.504 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042289.D
 Acq: 17 Aug 2019 14:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	0.0	50.2	75.4#
182	0.0	2.6	4.0#

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
 Ion 182.00 (181.70 to 182.70): E

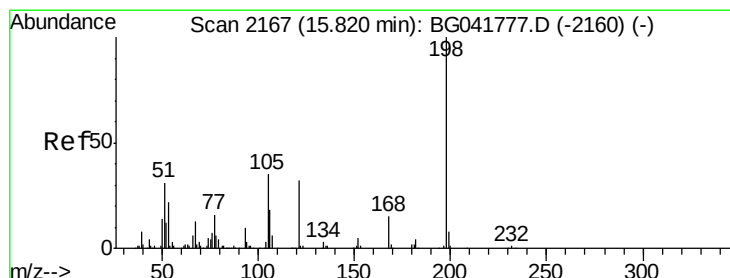
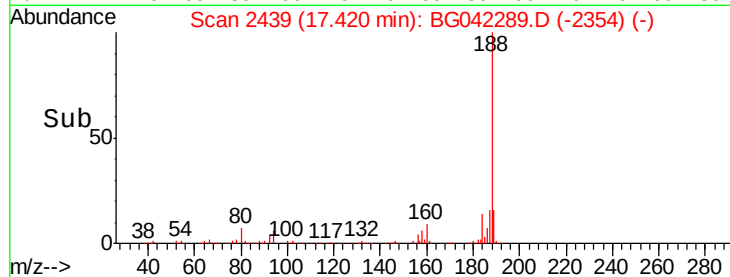
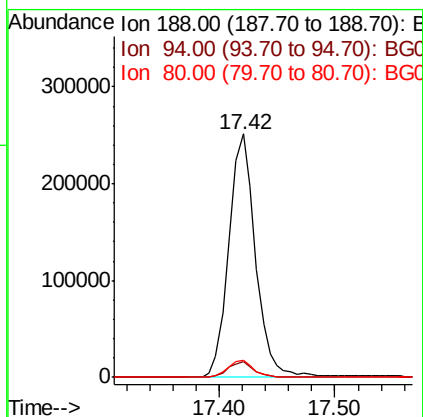
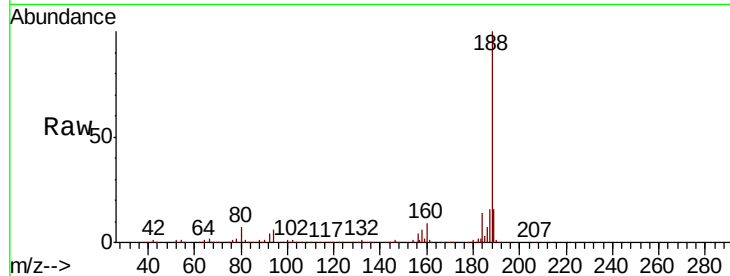




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.03 min
Lab File: BG042289.D
Acq: 17 Aug 2019 14:11

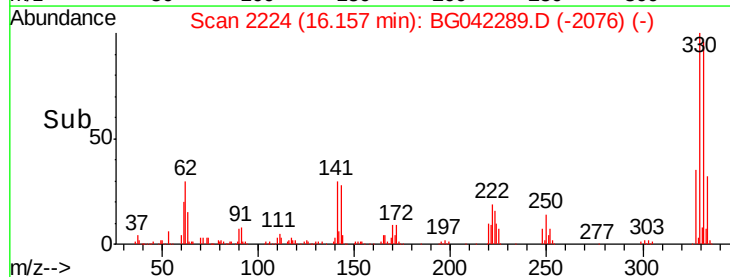
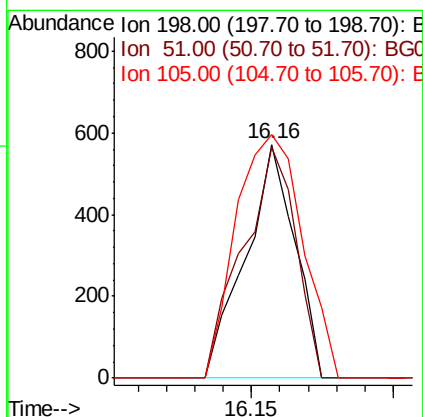
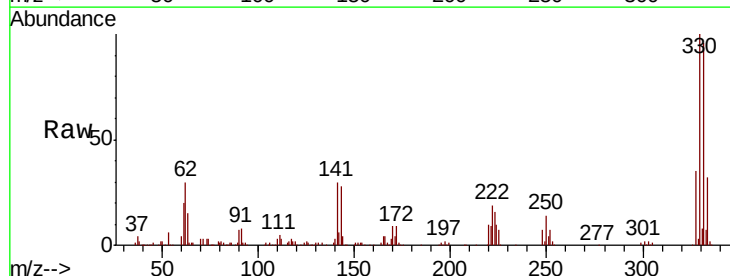
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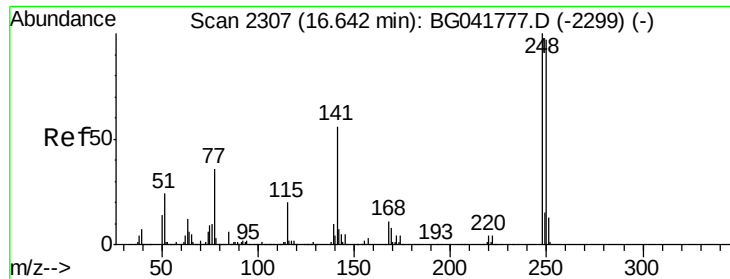
Tgt Ion:188 Resp: 404360
Ion Ratio Lower Upper
188 100
94 6.2 6.9 10.3#
80 7.1 8.0 12.0#



#65
4,6-Dinitro-2-methylphenol
Concen: 7.152 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.34 min
Lab File: BG042289.D
Acq: 17 Aug 2019 14:11

Tgt Ion:198 Resp: 691
Ion Ratio Lower Upper
198 100
51 99.1 22.3 62.3#
105 104.4 18.0 58.0#

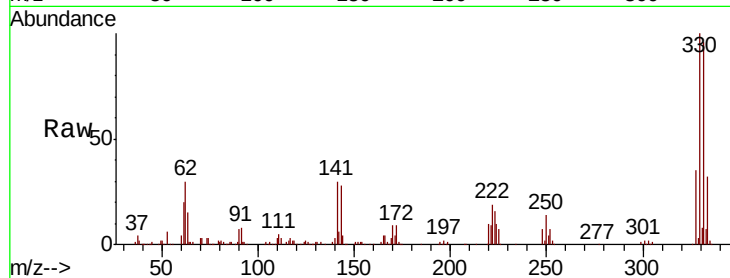




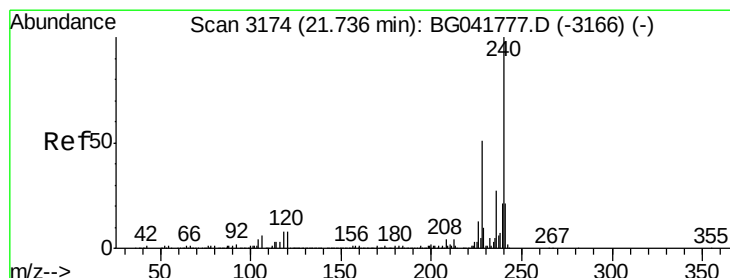
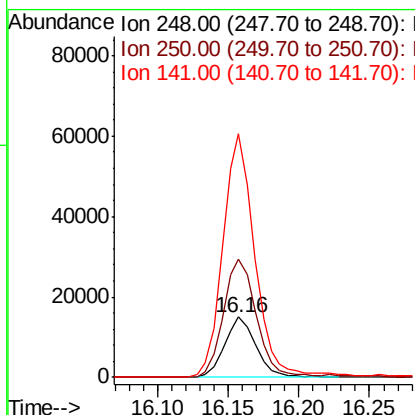
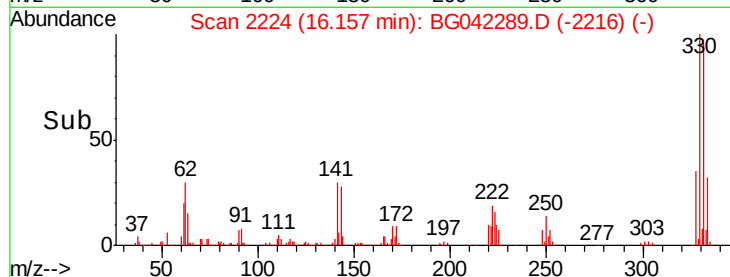
#67
 4-Bromophenyl-phenylether
 Concen: 4.640 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042289.D
 Acq: 17 Aug 2019 14:11

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-081519-A

Tgt Ion:248 Resp: 23111
 Ion Ratio Lower Upper
 248 100
 250 196.8 78.1 117.1#
 141 404.9 49.6 74.4#

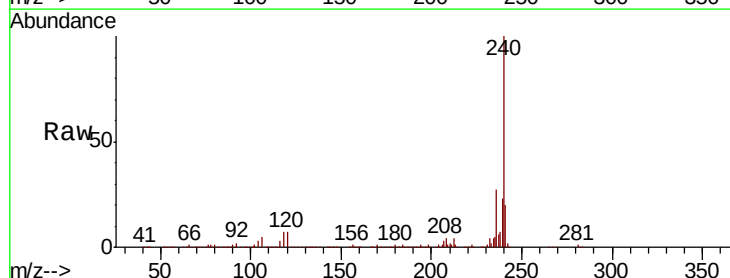


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

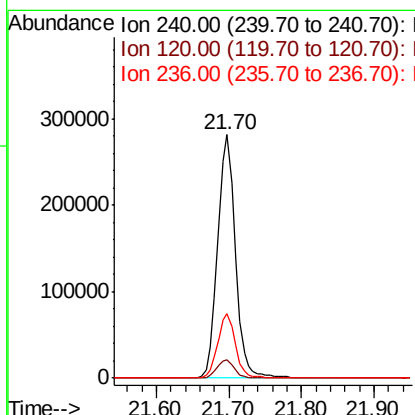
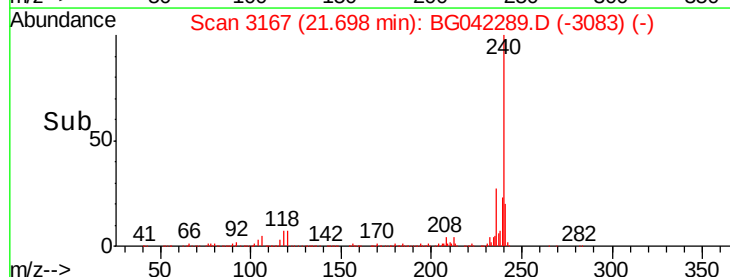


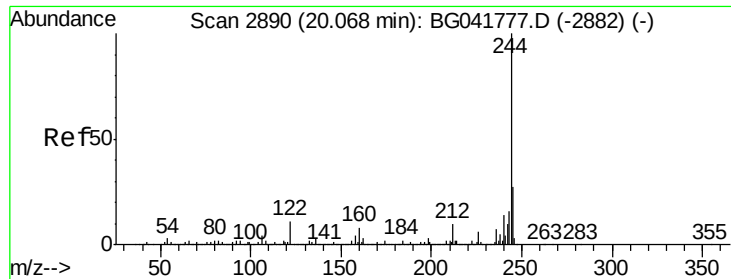
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042289.D
 Acq: 17 Aug 2019 14:11

Tgt Ion:240 Resp: 482602
 Ion Ratio Lower Upper
 240 100
 120 7.3 8.0 12.0#
 236 26.7 22.6 33.8



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





#79

Terphenyl-d14

Concen: 94.375 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042289.D

Acq: 17 Aug 2019 14:11

Instrument :

BNA_G

ClientSampleId :

JC-03-081519-A

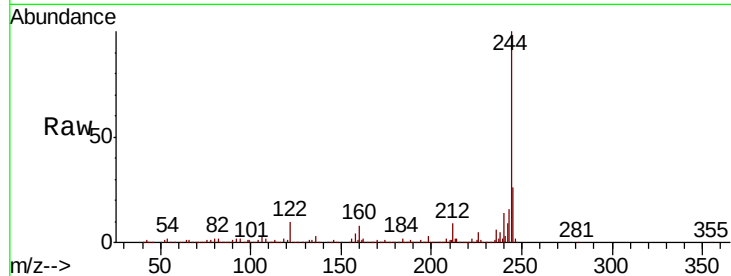
Tgt Ion:244 Resp: 1990396

Ion Ratio Lower Upper

244 100

212 8.8 9.7 14.5#

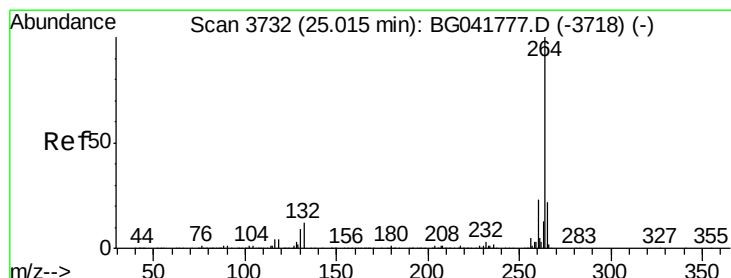
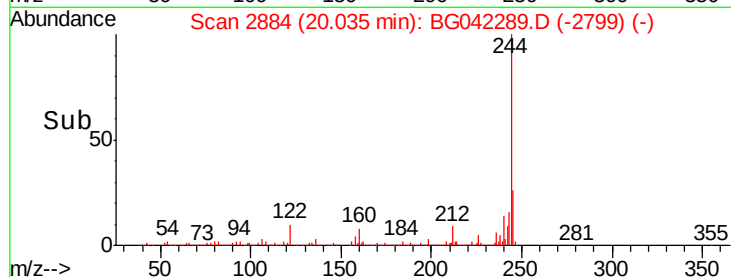
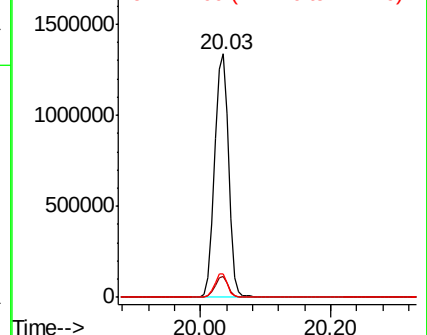
122 9.8 12.5 18.7#



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: 24.94 min Scan# 3719

Delta R.T. -0.07 min

Lab File: BG042289.D

Acq: 17 Aug 2019 14:11

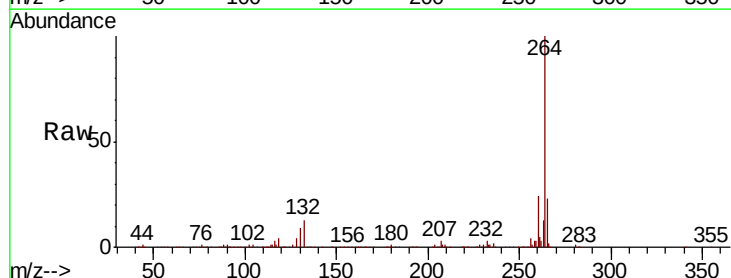
Tgt Ion:264 Resp: 544702

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 22.5 18.0 27.0



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

