

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG120518\
 Data File : BG038369.D
 Acq On : 5 Dec 2018 21:46
 Operator : JU/SJ
 Sample : J6151-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 112918-TIPC-E-D-M

Quant Time: Dec 06 04:10:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

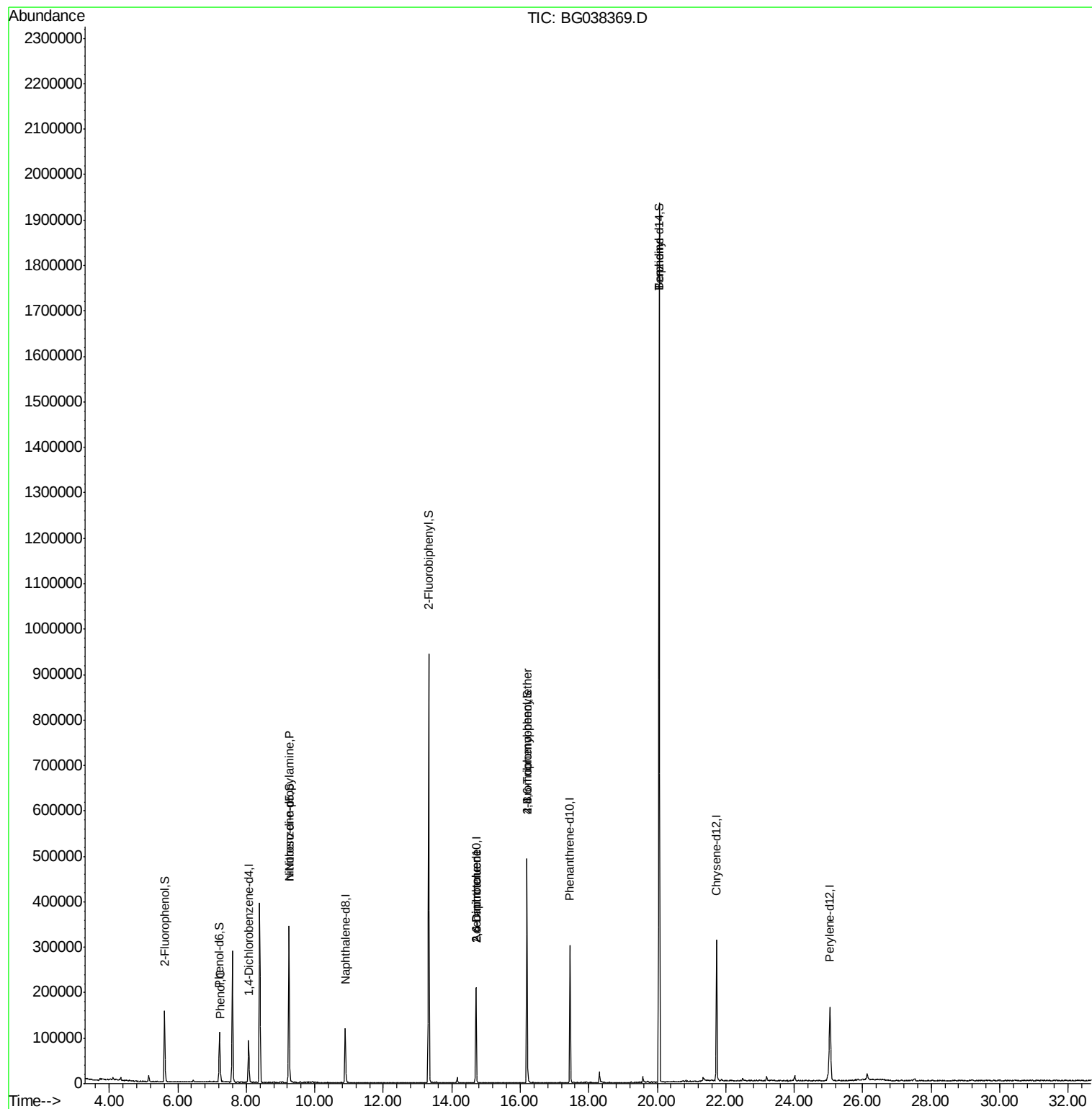
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	25700	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	111676	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	76190	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	194040	20.00	ng	0.00
76) Chrysene-d12	21.73	240	190271	20.00	ng	-0.01
87) Perylene-d12	25.04	264	194761	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	70209	48.34	ng	0.00
7) Phenol-d6	7.21	99	70182	33.44	ng	-0.01
23) Nitrobenzene-d5	9.25	82	212031	94.26	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	94474	101.01	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	516266	96.55	ng	0.00
79) Terphenyl-d14	20.06	244	913069	102.80	ng	0.00
Target Compounds						
10) Phenol	7.24	94	11311	5.100	ng	Qvalue 97
19) n-Nitroso-di-n-propylamine	9.25	70	28150	17.146	ng	# 75
51) 2,6-Dinitrotoluene	14.70	165	9229	6.611	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	9229	4.793	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	6198	2.958	ng	# 1
77) Benzidine	20.06	184	16726	2.605	ng	# 94

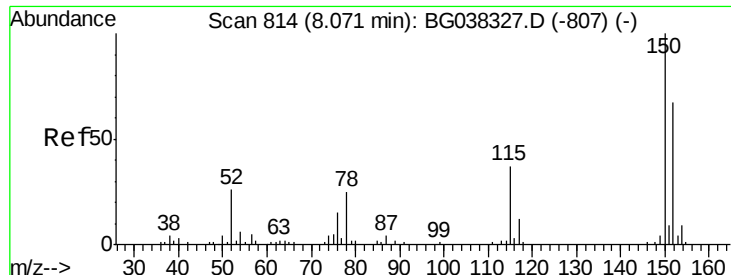
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



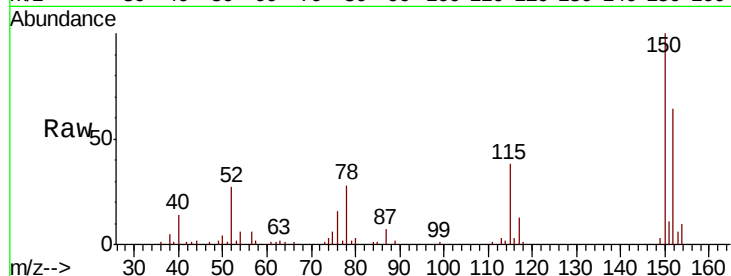


#1

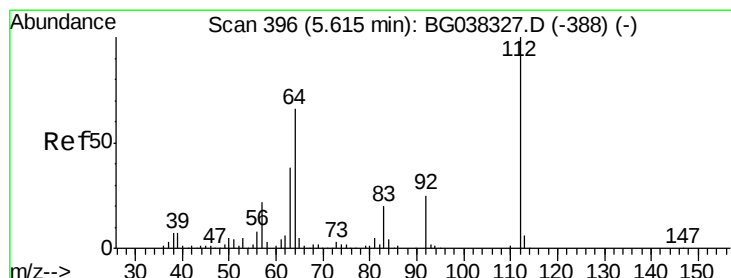
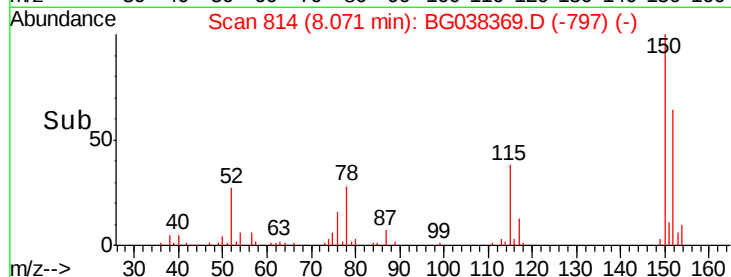
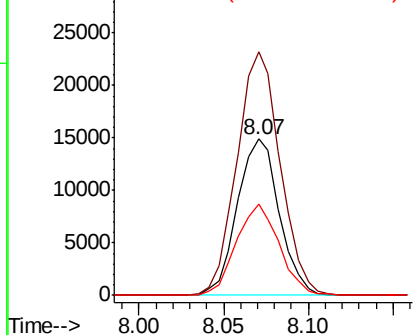
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG038369.D
Acq: 5 Dec 2018 21:46

Instrument :
BNA_G
ClientSampleId :
112918-TIPC-E-D-M

Tgt Ion:152 Resp: 25700
Ion Ratio Lower Upper
152 100
150 155.5 126.0 189.0
115 58.6 45.5 68.3



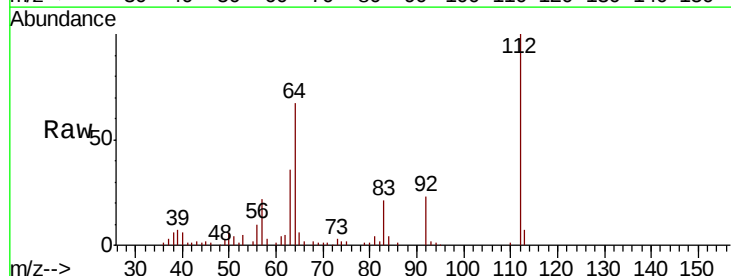
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



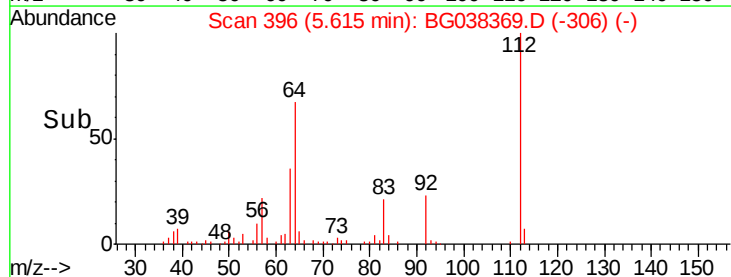
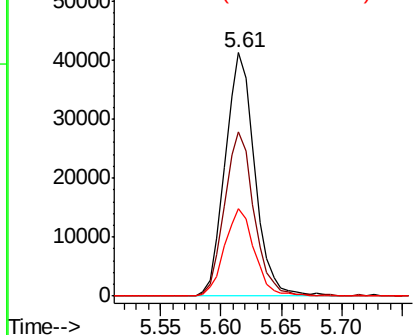
#5

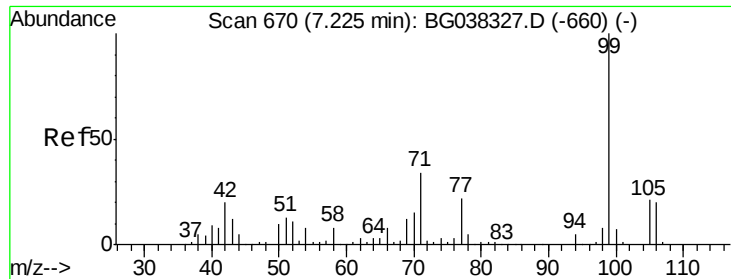
2-Fluorophenol
Concen: 48.344 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG038369.D
Acq: 5 Dec 2018 21:46

Tgt Ion:112 Resp: 70209
Ion Ratio Lower Upper
112 100
64 67.5 53.1 79.7
63 36.1 27.3 40.9



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: 33.436 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038369.D

Acq: 5 Dec 2018 21:46

Instrument :

BNA_G

ClientSampleId :

112918-TIPC-E-D-M

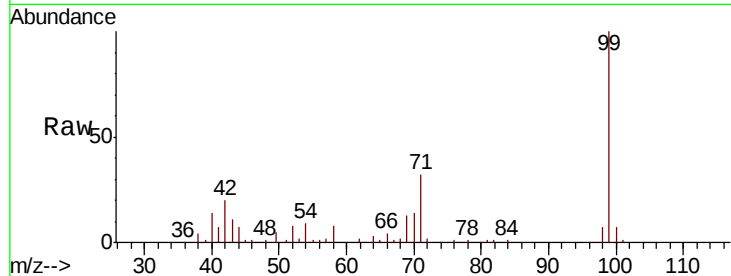
Tgt Ion: 99 Resp: 70182

Ion Ratio Lower Upper

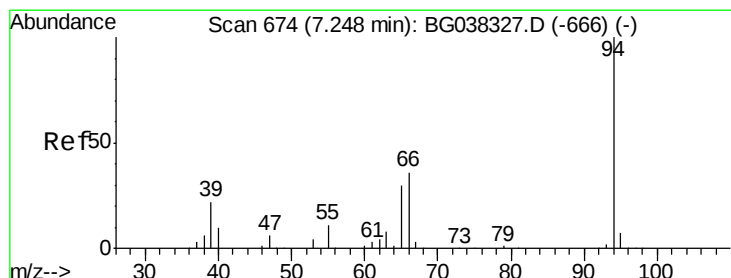
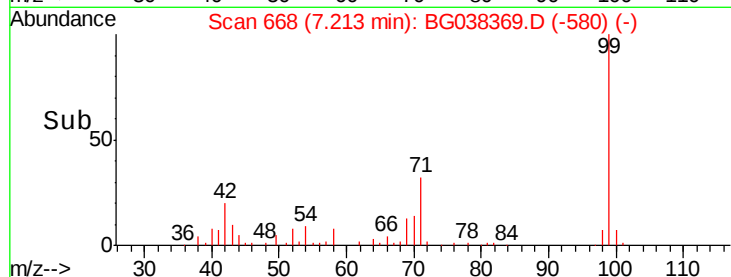
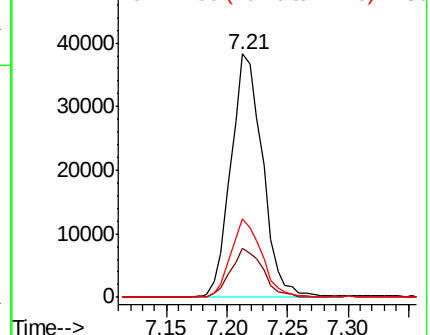
99 100

42 20.3 15.0 22.4

71 32.4 25.5 38.3



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



#10

Phenol

Concen: 5.100 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG038369.D

Acq: 5 Dec 2018 21:46

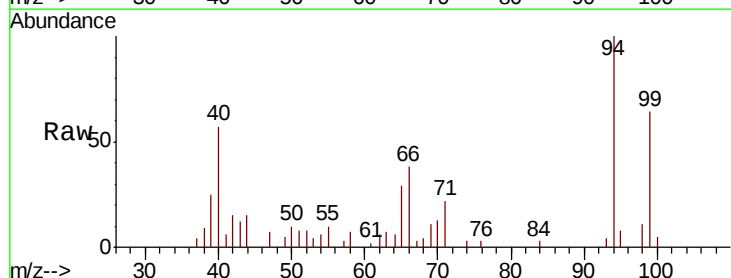
Tgt Ion: 94 Resp: 11311

Ion Ratio Lower Upper

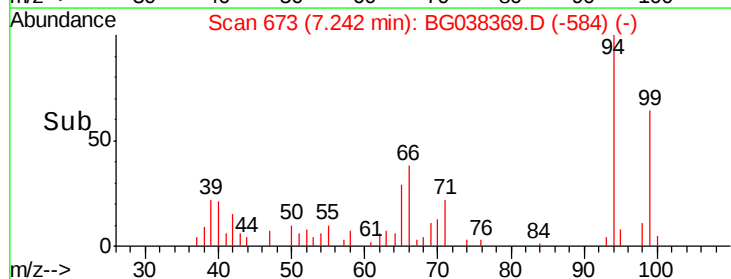
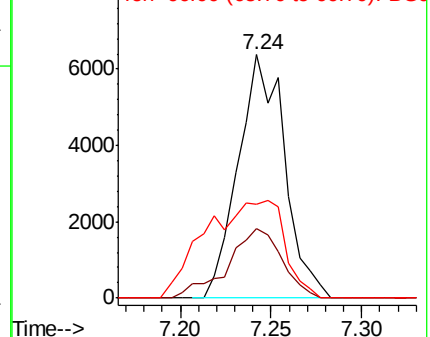
94 100

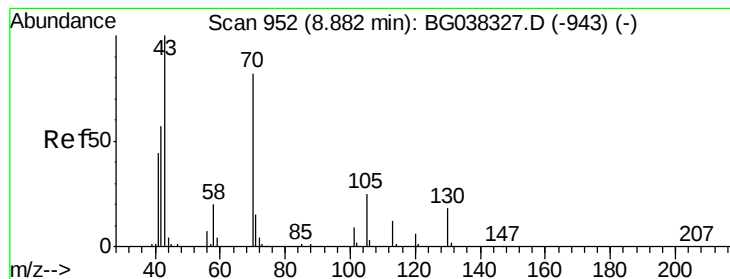
65 28.7 9.7 49.7

66 38.4 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.146 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.36 min

Lab File: BG038369.D

Acq: 5 Dec 2018 21:46

Instrument :

BNA_G

ClientSampleId :

112918-TIPC-E-D-M

Tgt Ion: 70 Resp: 28150

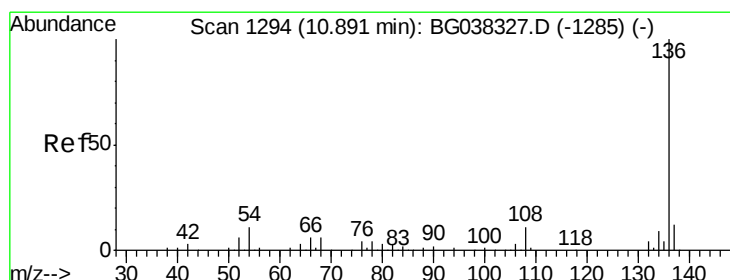
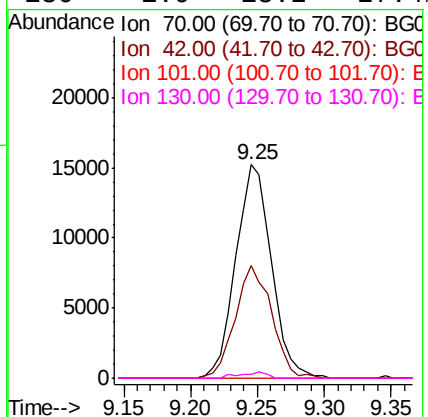
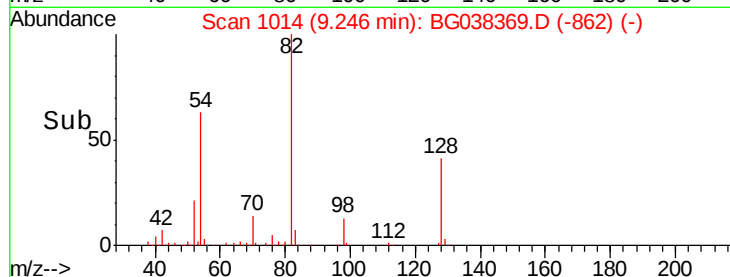
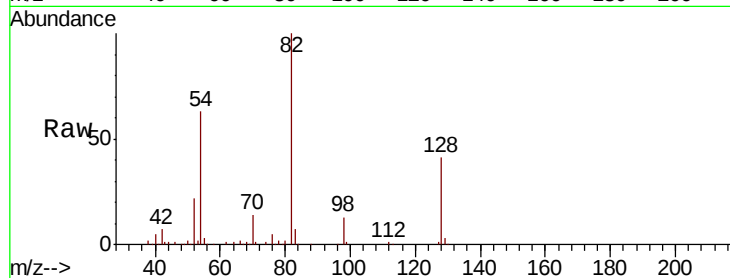
Ion Ratio Lower Upper

70 100

42 52.7 53.9 80.9#

101 0.0 8.2 12.2#

130 1.9 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.89 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BG038369.D

Acq: 5 Dec 2018 21:46

Tgt Ion: 136 Resp: 111676

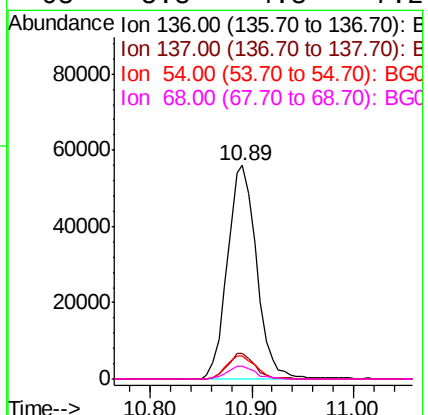
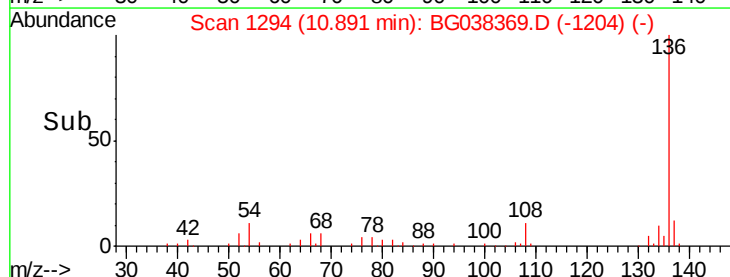
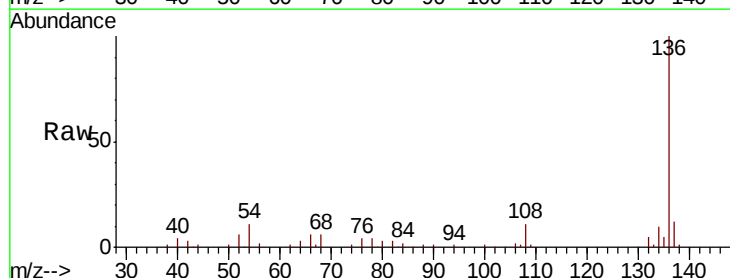
Ion Ratio Lower Upper

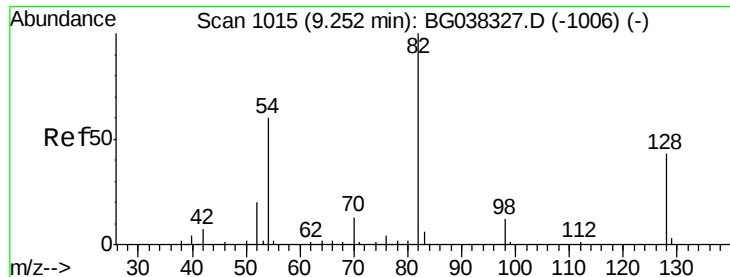
136 100

137 12.0 9.6 14.4

54 10.7 7.9 11.9

68 5.8 4.8 7.2

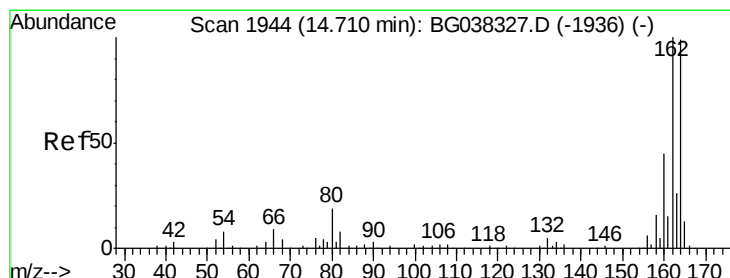
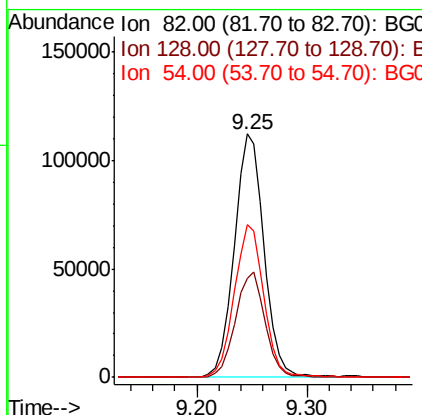
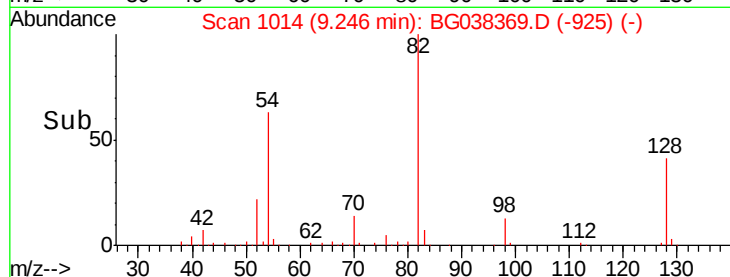
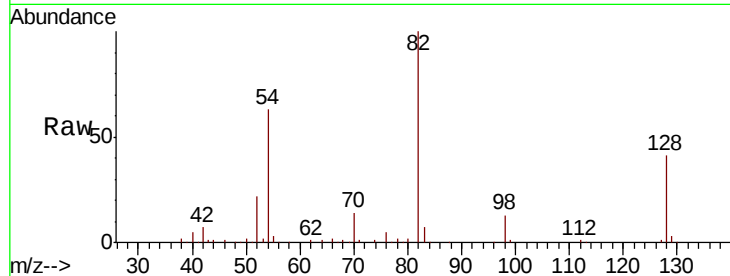




#23
 Nitrobenzene-d5
 Concen: 94.263 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BG038369.D
 Acq: 5 Dec 2018 21:46

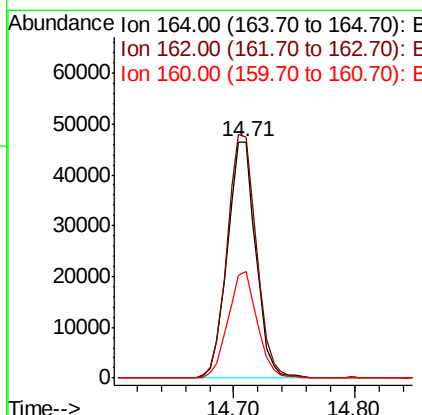
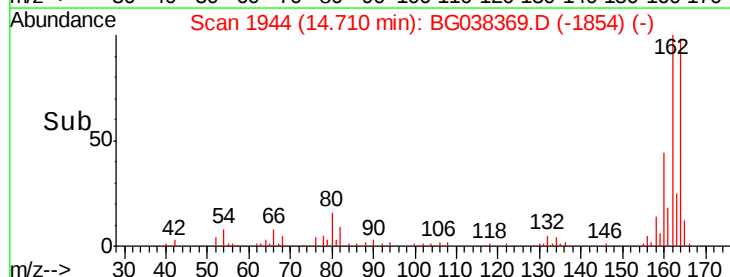
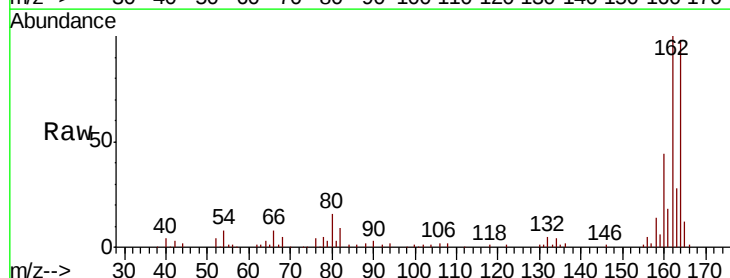
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 112918-TIPC-E-D-M

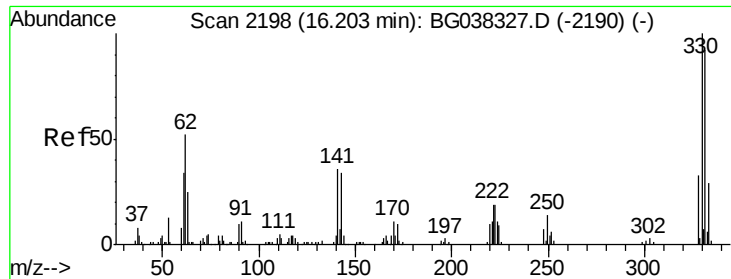
Tgt Ion: 82 Resp: 212031
 Ion Ratio Lower Upper
 82 100
 128 40.7 34.6 51.8
 54 62.6 45.3 67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: BG038369.D
 Acq: 5 Dec 2018 21:46

Tgt Ion: 164 Resp: 76190
 Ion Ratio Lower Upper
 164 100
 162 102.1 81.3 121.9
 160 44.9 36.3 54.5

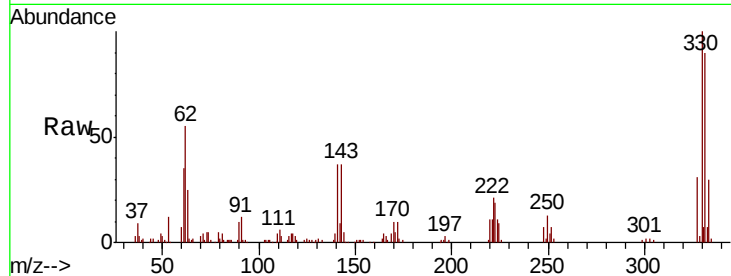




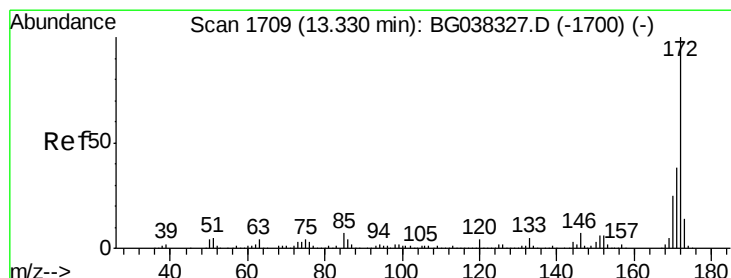
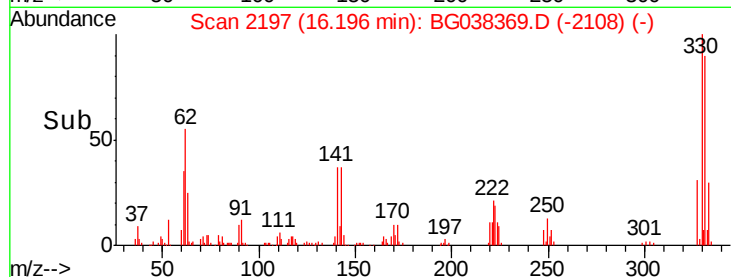
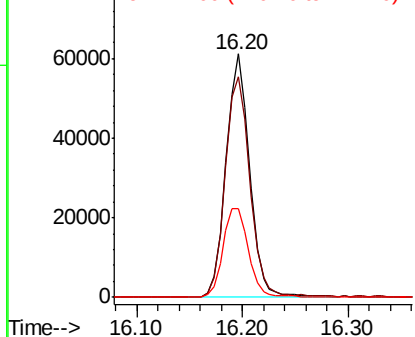
#42
 2,4,6-Tribromophenol
 Concen: 101.007 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BG038369.D
 Acq: 5 Dec 2018 21:46

Instrument :
 BNA_G
 ClientSampleId :
 112918-TIPC-E-D-M

Tgt Ion:330 Resp: 94474
 Ion Ratio Lower Upper
 330 100
 332 95.5 78.4 117.6
 141 39.6 32.2 48.2

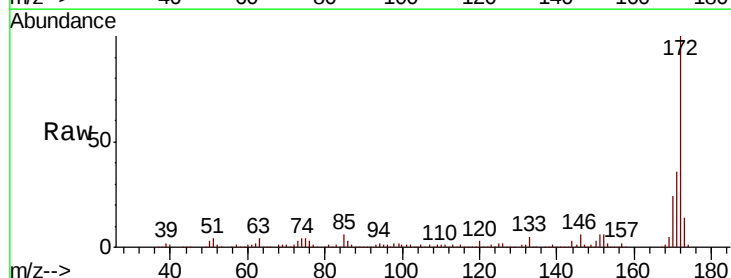


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

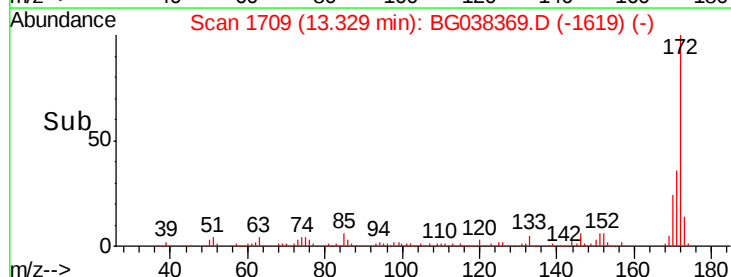
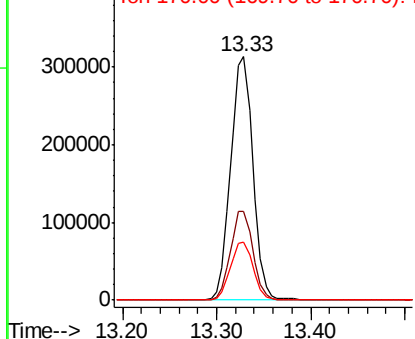


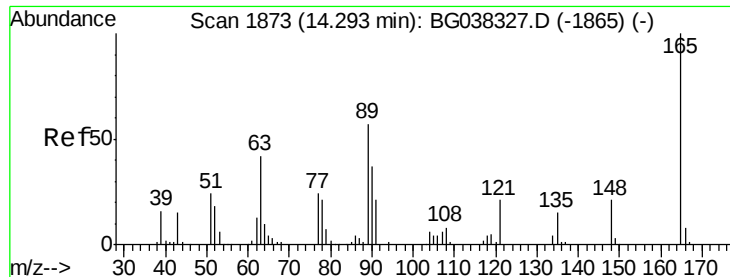
#45
 2-Fluorobiphenyl
 Concen: 96.553 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG038369.D
 Acq: 5 Dec 2018 21:46

Tgt Ion:172 Resp: 516266
 Ion Ratio Lower Upper
 172 100
 171 36.3 31.0 46.4
 170 24.0 20.2 30.2



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

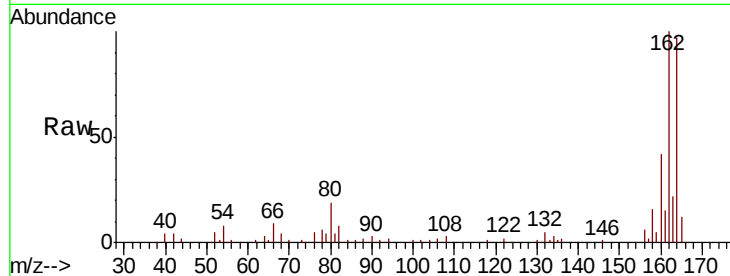




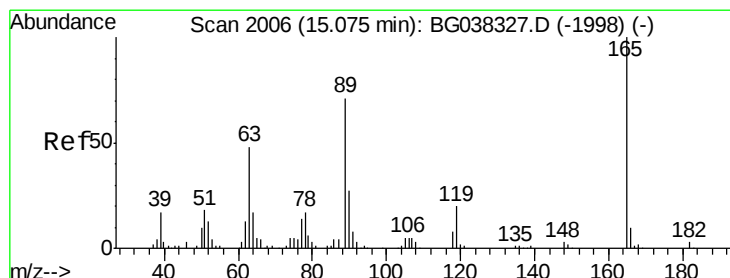
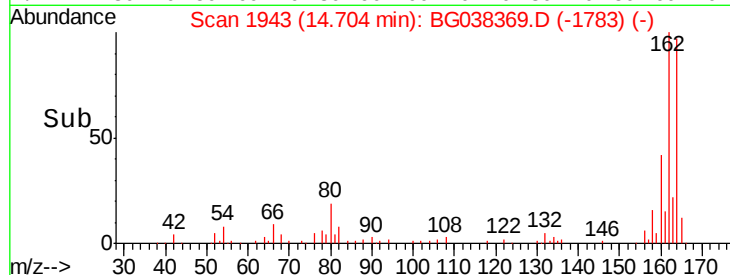
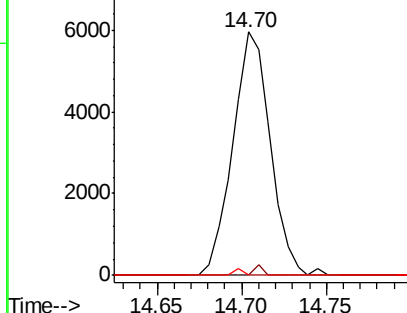
#51
 2,6-Dinitrotoluene
 Concen: 6.611 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038369.D
 Acq: 5 Dec 2018 21:46

Instrument :
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Tgt Ion:165 Resp: 9229
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 0.0 45.8 68.6#



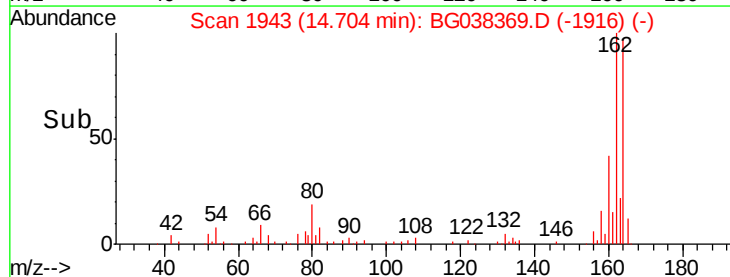
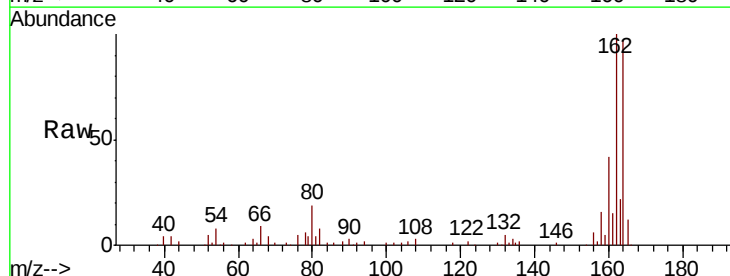
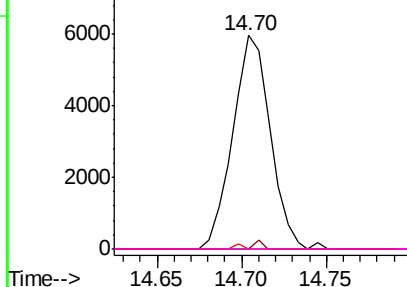
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

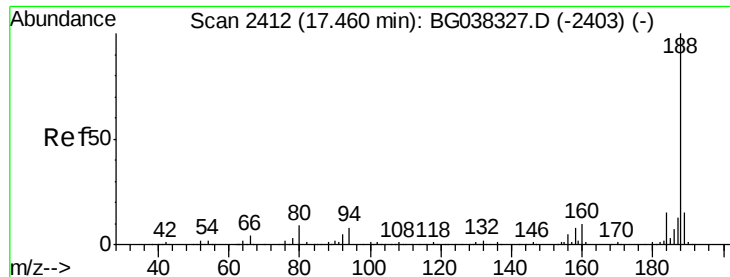


#57
 2,4-Dinitrotoluene
 Concen: 4.793 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038369.D
 Acq: 5 Dec 2018 21:46

Tgt Ion:165 Resp: 9229
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.4 50.0#
 89 0.0 57.2 85.8#
 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

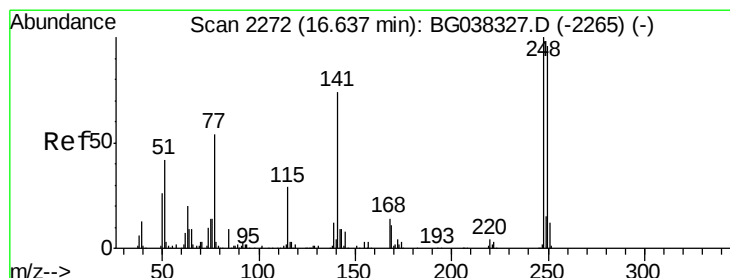
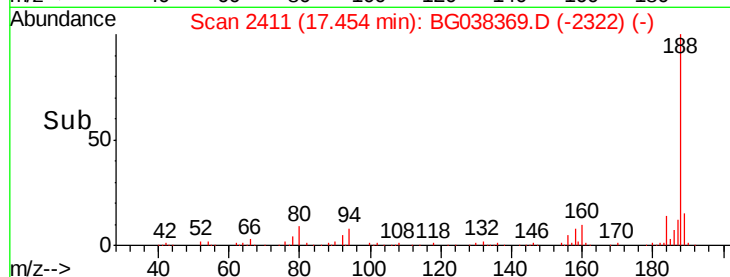
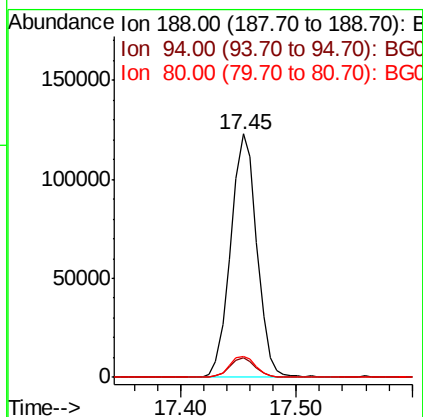
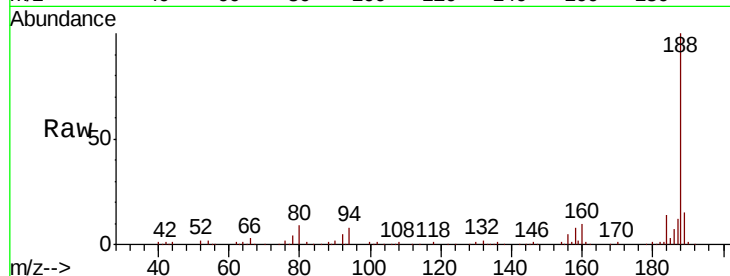




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038369.D
 Acq: 5 Dec 2018 21:46

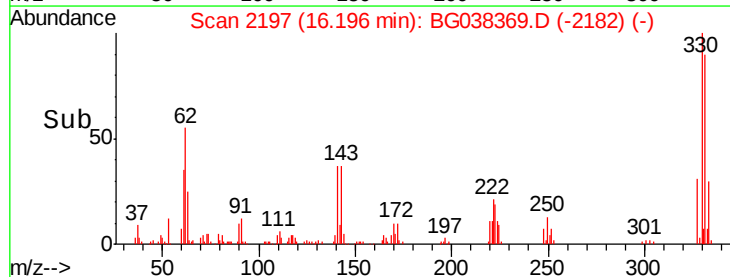
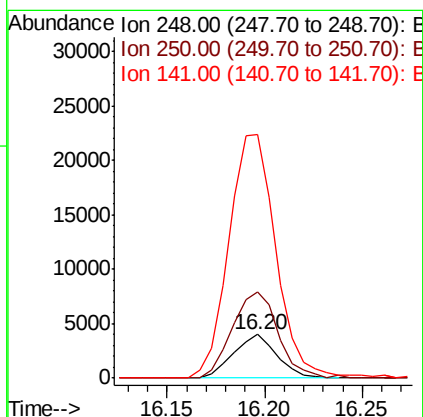
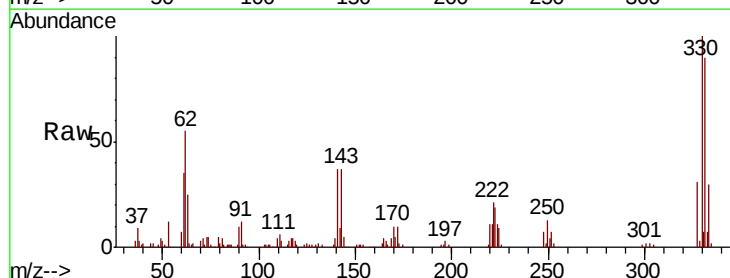
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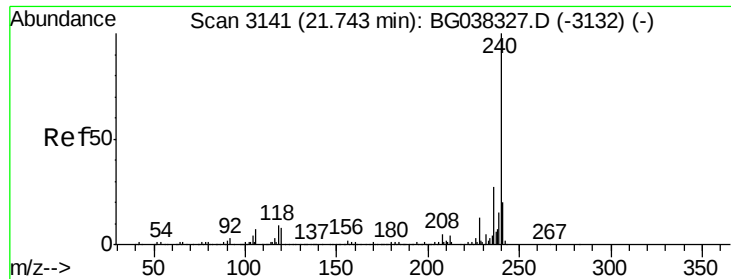
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.2	10.8
80	8.8	7.7	11.5



#67
 4-Bromophenyl-phenylether
 Concen: 2.958 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.44 min
 Lab File: BG038369.D
 Acq: 5 Dec 2018 21:46

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.7	77.0	115.6#
141	428.4	55.5	83.3#

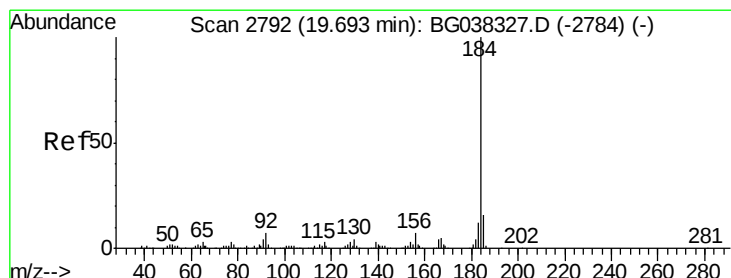
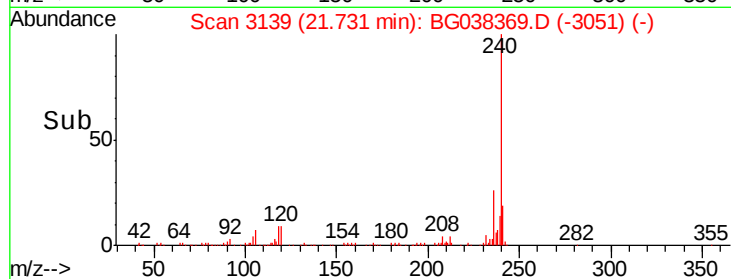
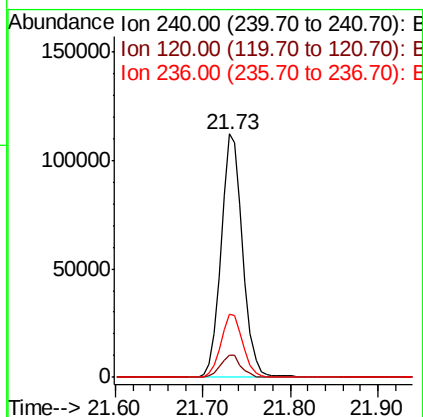
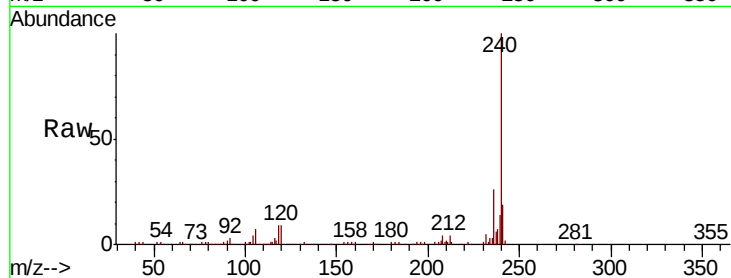




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038369.D
Acq: 5 Dec 2018 21:46

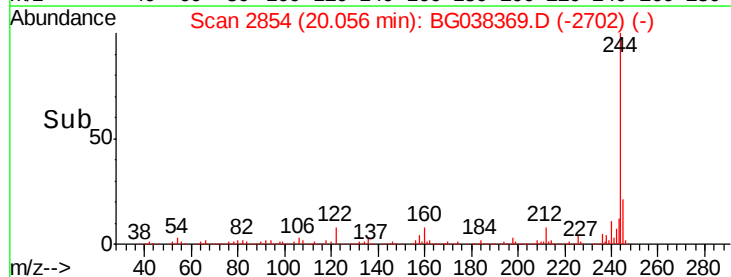
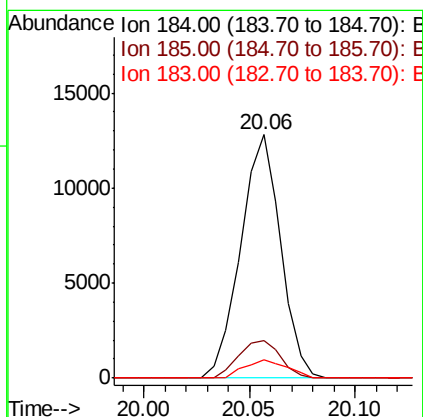
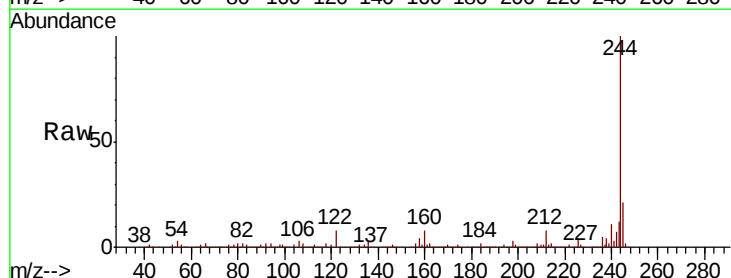
Instrument :
BNA_G
ClientSampleId :
112918-TIPC-E-D-M

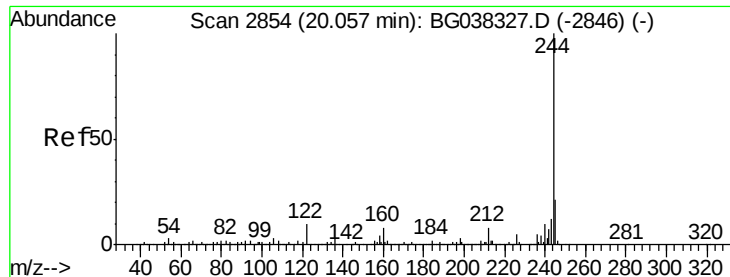
Tgt Ion:240 Resp: 190271
Ion Ratio Lower Upper
240 100
120 9.0 8.1 12.1
236 26.2 21.4 32.0



#77
Benzidine
Concen: 2.605 ng
RT: 20.06 min Scan# 2854
Delta R.T. 0.36 min
Lab File: BG038369.D
Acq: 5 Dec 2018 21:46

Tgt Ion:184 Resp: 16726
Ion Ratio Lower Upper
184 100
185 15.5 12.6 18.8
183 7.8 10.2 15.2#





#79

Terphenyl-d14

Concen: 102.802 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038369.D

Acq: 5 Dec 2018 21:46

Instrument :

BNA_G

ClientSampleId :

112918-TIPC-E-D-M

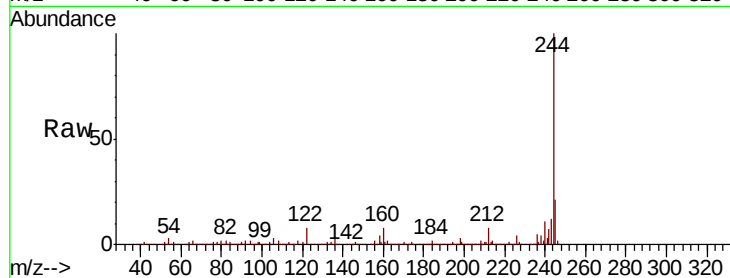
Tgt Ion:244 Resp: 913069

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

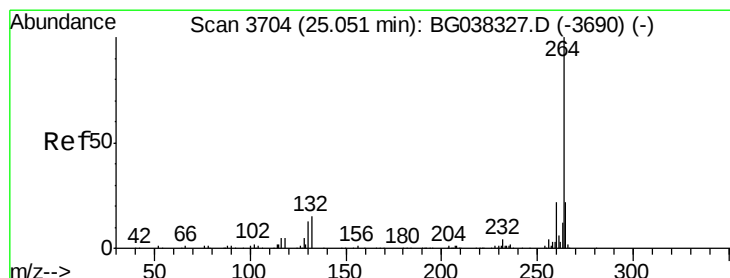
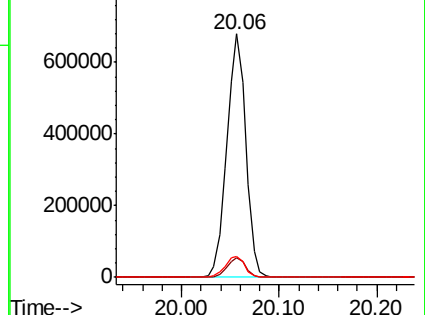
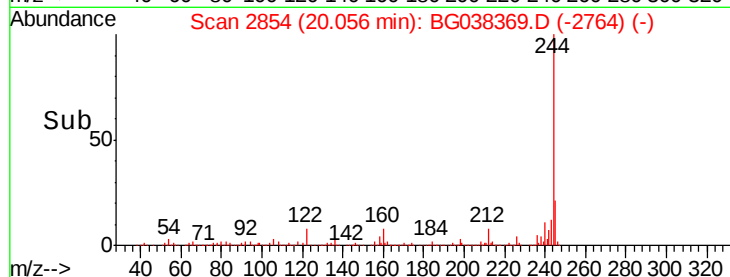
122 8.4 9.0 13.4#



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: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038369.D

Acq: 5 Dec 2018 21:46

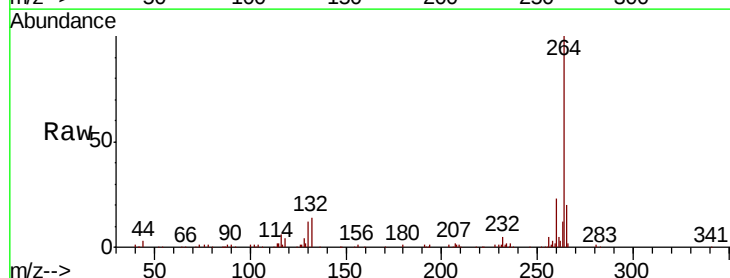
Tgt Ion:264 Resp: 194761

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

265 20.0 17.9 26.9



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

