

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071919\
 Data File : BG041732.D
 Acq On : 19 Jul 2019 13:07
 Operator : HP/JU
 Sample : K3868-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Manual Integrations
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mohammad
 7/22/2019 10:00:48 AM

Quant Time: Jul 22 08:24:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	112309	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	451713	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	278160	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	692987	20.00	ng	0.00
76) Chrysene-d12	21.65	240	711129	20.00	ng	-0.01
87) Perylene-d12	24.84	264	816243	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	470540	68.49	ng	0.00
7) Phenol-d6	7.20	99	637173	68.95	ng	0.00
23) Nitrobenzene-d5	9.20	82	375801	50.59	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	270437	86.27	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	958557	53.36	ng	0.00
79) Terphenyl-d14	20.00	244	1613443	53.02	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.11	163	158378	7.250	ng	99
71) Phenanthrene	17.44	178	93480m	2.679	ng	
75) Fluoranthene	19.44	202	277621	6.478	ng	88
78) Pyrene	19.80	202	235883	4.904	ng	# 86
81) Benzo(a)anthracene	21.63	228	117162	2.550	ng	91
83) Chrysene	21.69	228	130013	2.961	ng	93
88) Benzo(b)fluoranthene	23.83	252	191631	3.870	ng	93
90) Benzo(a)pyrene	24.68	252	129837	2.772	ng	# 96
92) Benzo(g,h,i)perylene	29.59	276	94126	2.068	ng	92

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

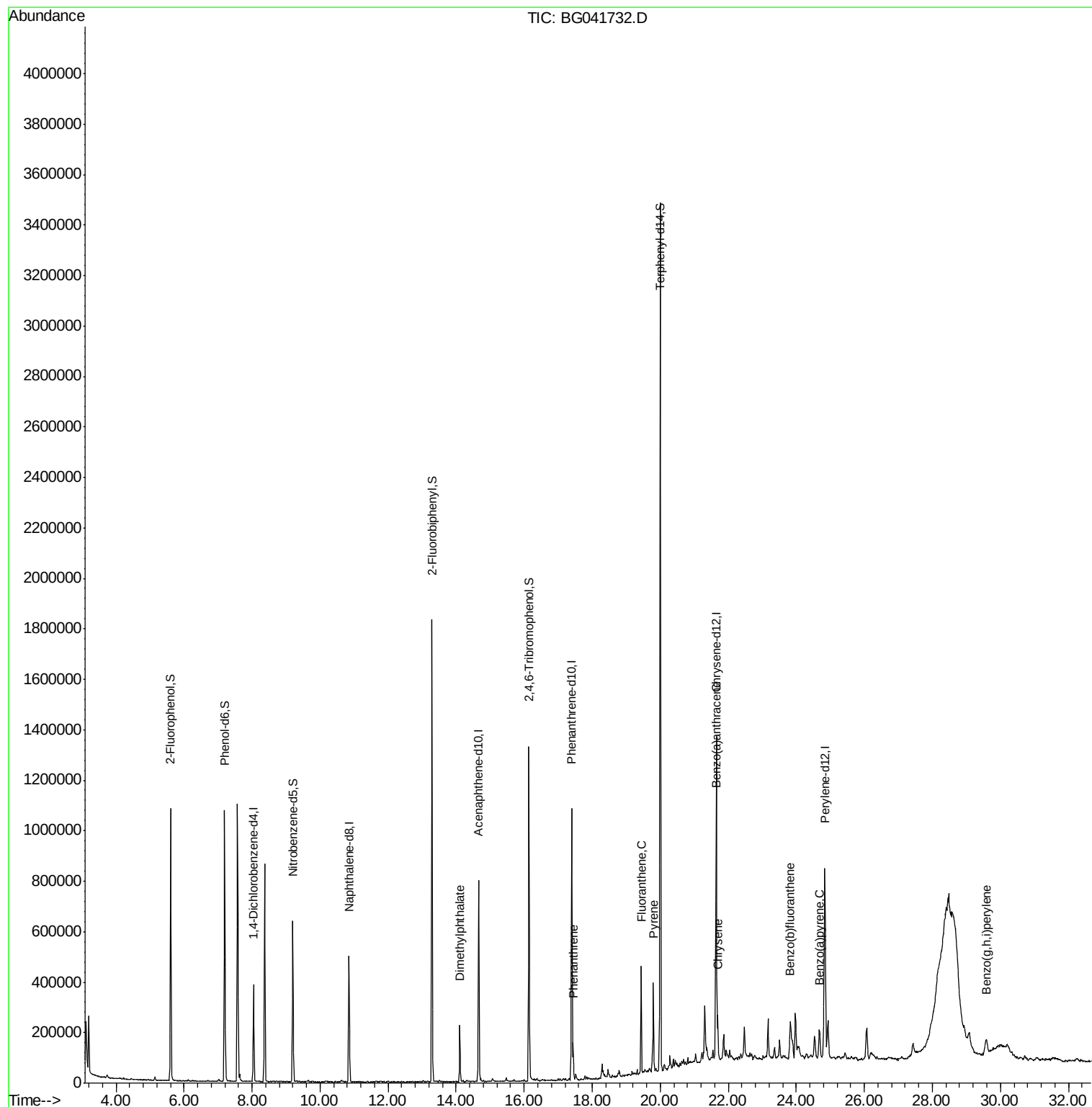
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071919\
Data File : BG041732.D
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Operator : HP/JU
Sample : K3868-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

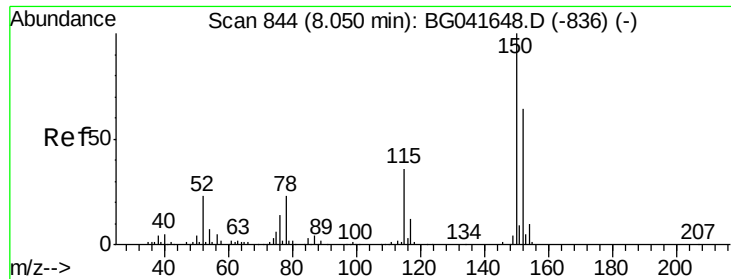
Instrument :
BNA_G
ClientSampleId :
TP-1

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#1

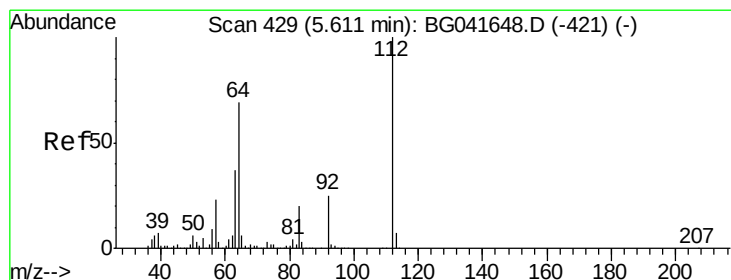
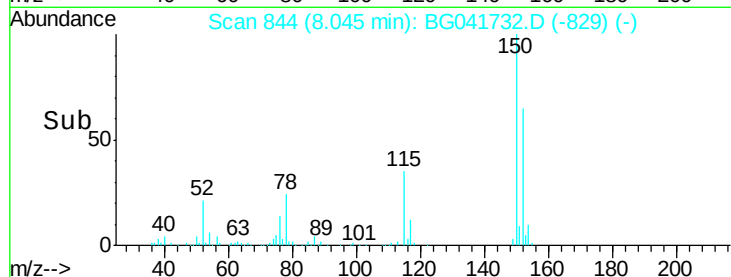
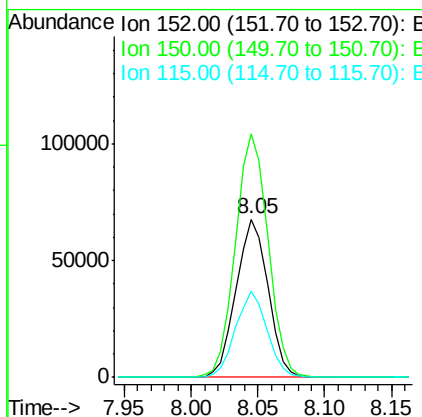
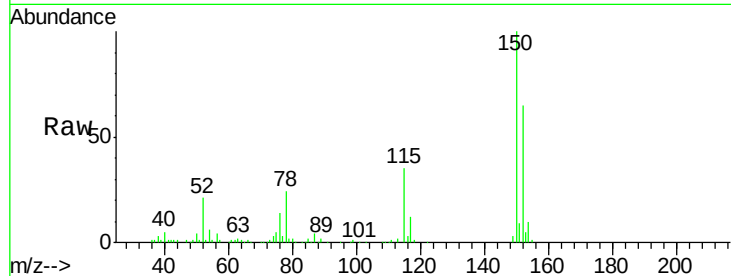
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Instrument :
BNA_G
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
152	100	112309		
150	153.7	126.9	190.3	
115	54.4	45.0	67.6	

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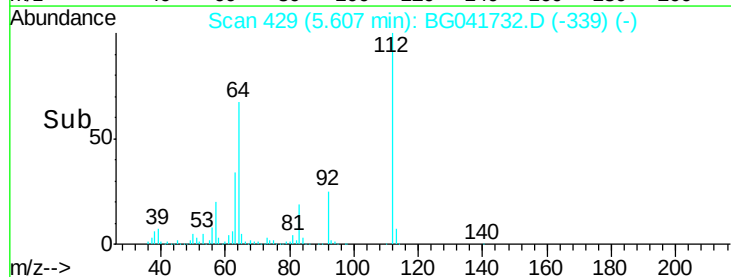
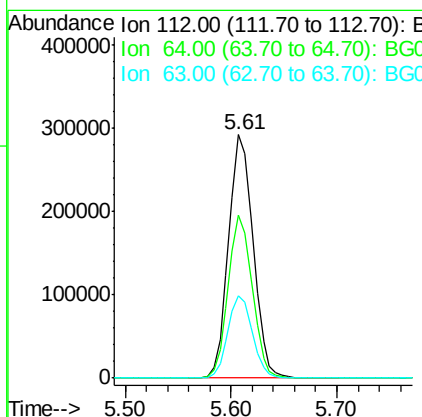
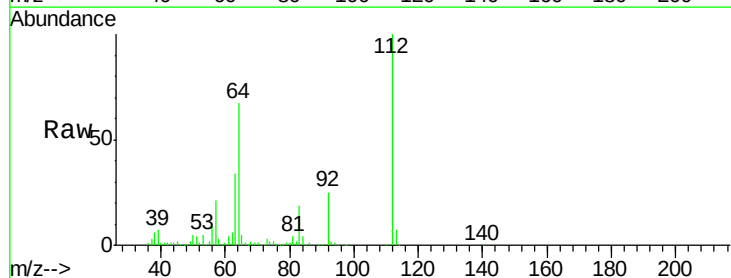
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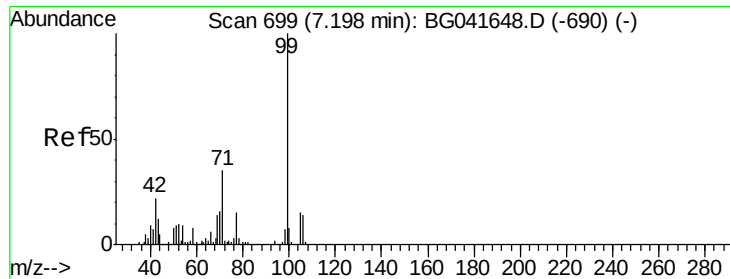


#5

2-Fluorophenol
Concen: 68.491 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	470540		
64	67.1	55.4	83.2	
63	33.6	29.1	43.7	





#7

Phenol-d6

Concen: 68.954 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041732.D

Acq: 19 Jul 2019 13:07

Instrument :

BNA_G

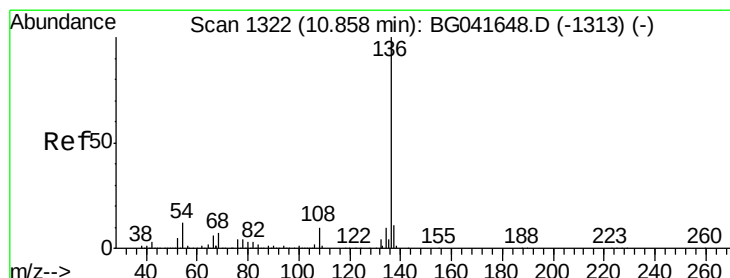
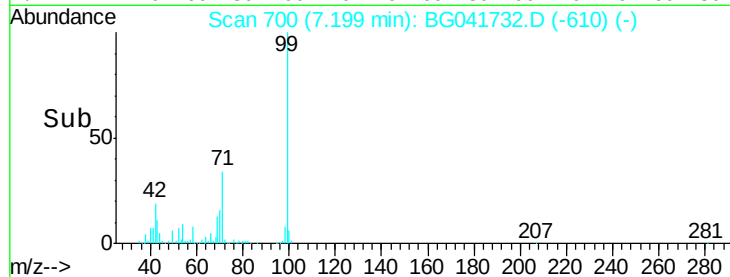
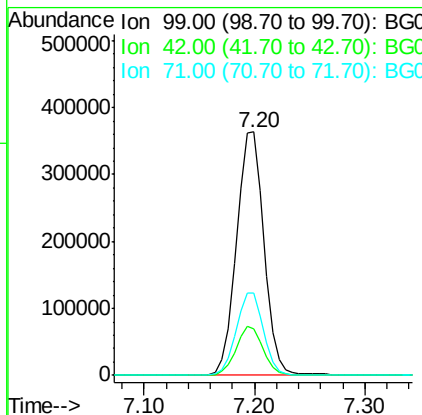
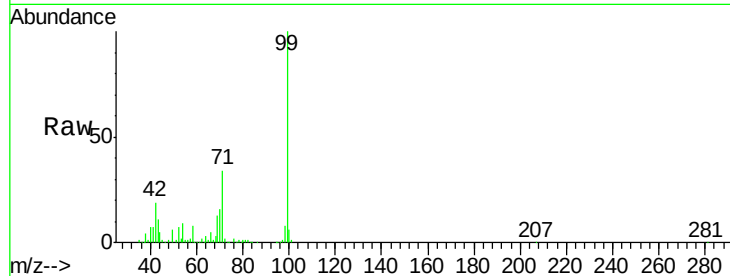
ClientSampled :

TP-1

Tot Ion:	99	Resp:	637173
Ion	Ratio	Lower	Upper
99	100		
42	19.1	17.6	26.4
71	34.0	27.8	41.6

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#21

Naphthalene-d8

Concen: 20.000 ng

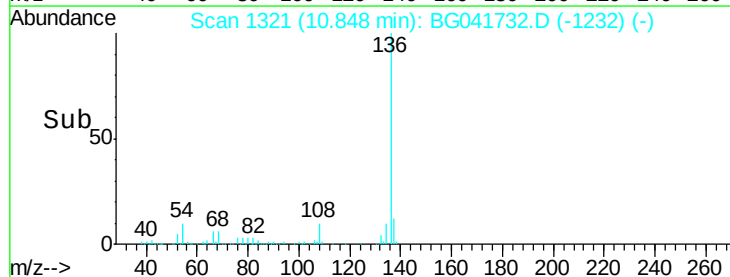
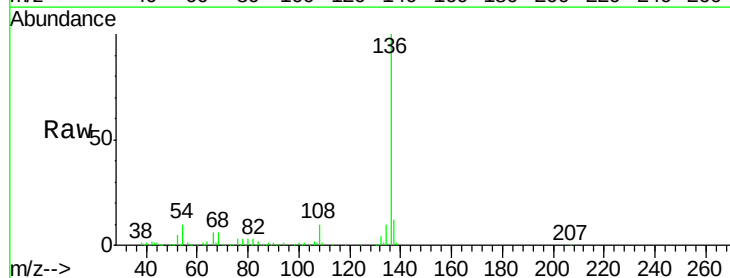
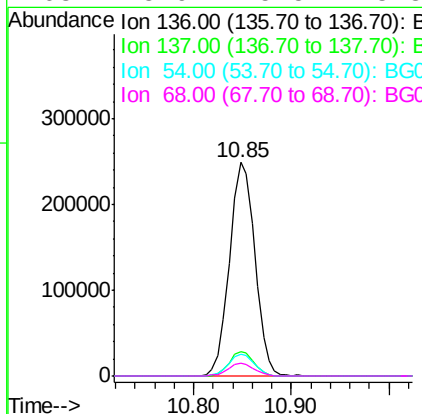
RT: 10.85 min Scan# 1321

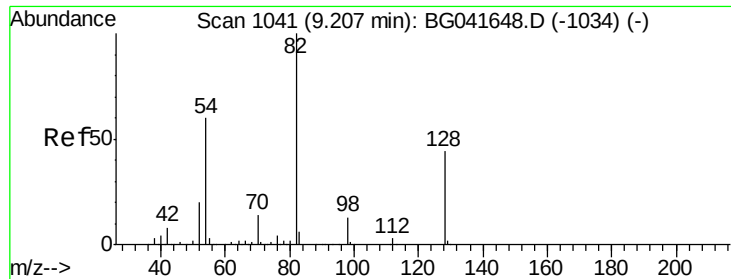
Delta R.T. -0.01 min

Lab File: BG041732.D

Acq: 19 Jul 2019 13:07

Tgt Ion:	136	Resp:	451713
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	10.2	8.7	13.1
68	5.9	5.5	8.3





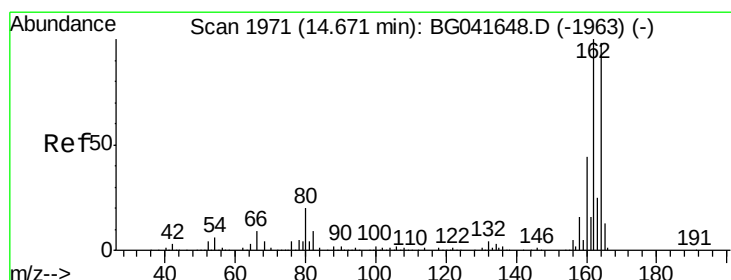
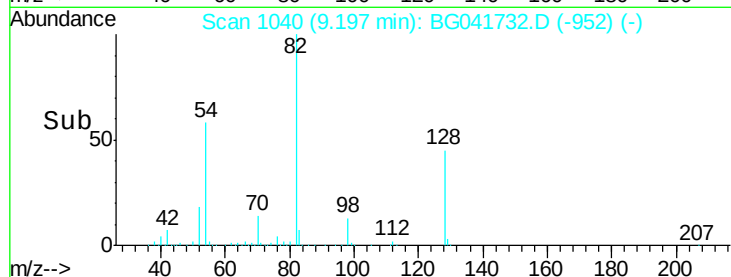
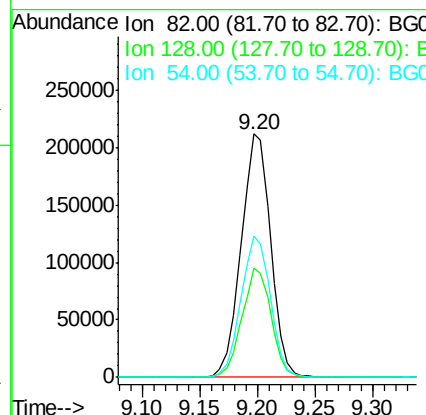
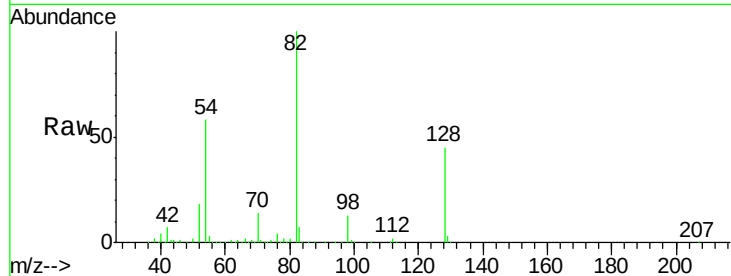
#23
Nitrobenzene-d5
Concen: 50.595 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Instrument :
BNA_G
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.1	52.7
54	57.9	48.7	73.1

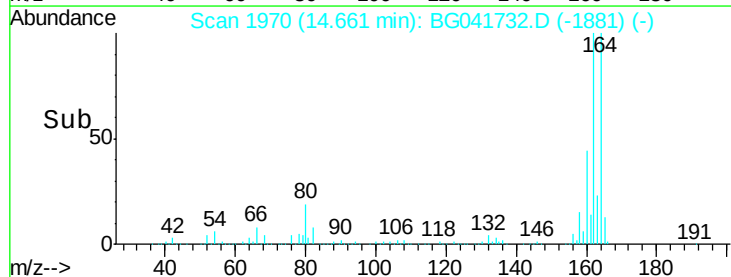
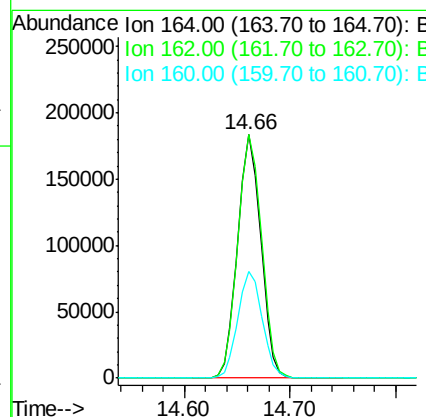
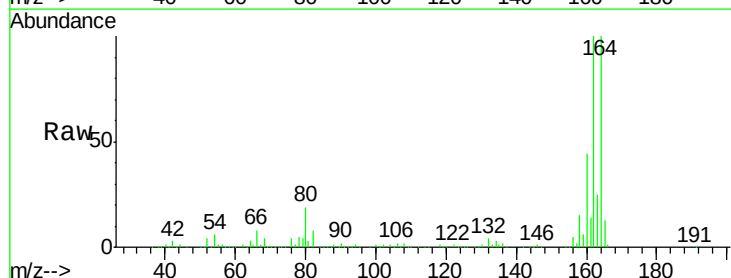
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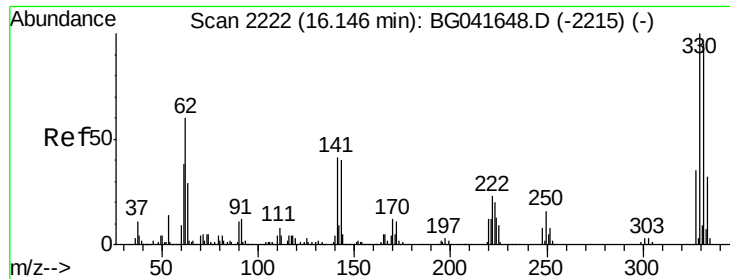
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.6	119.4
160	43.7	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 86.269 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG041732.D

Acq: 19 Jul 2019 13:07

Instrument :

BNA_G

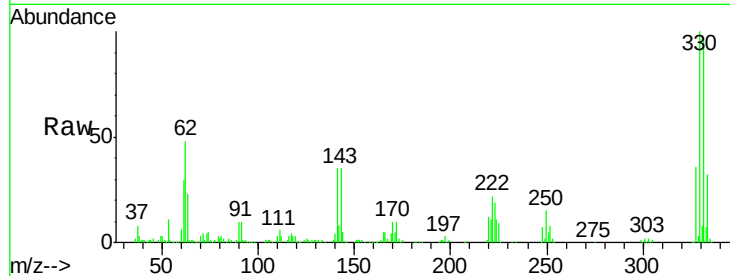
ClientSampled :

TP-1

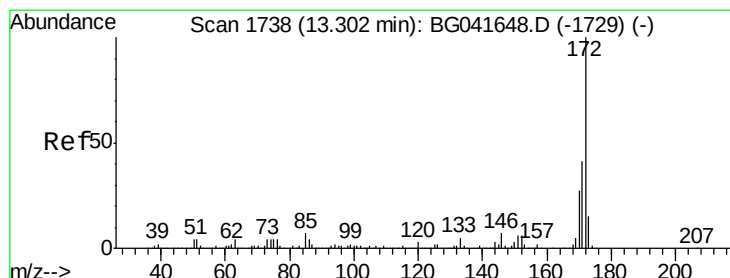
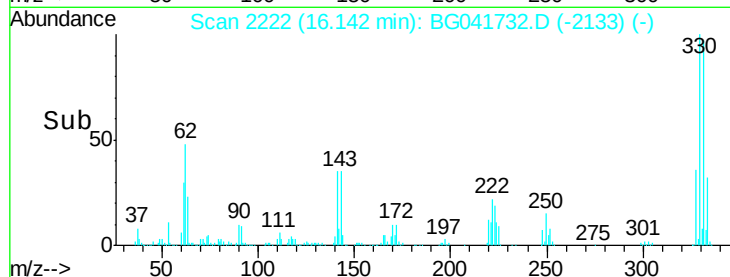
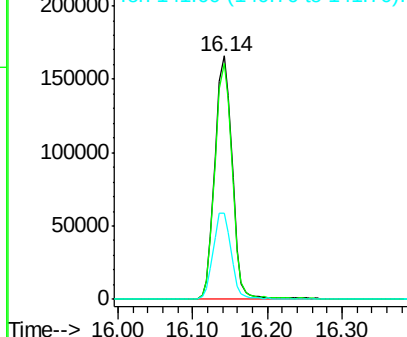
Tot Ion:	330	Resp:	270437
Ion Ratio		Lower	Upper
330	100		
332	96.0	77.4	116.0
141	36.5	31.9	47.9

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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: 53.362 ng

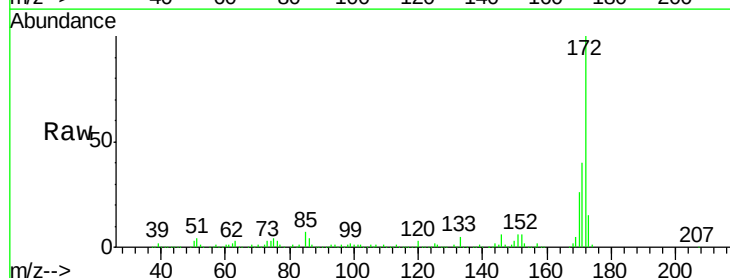
RT: 13.29 min Scan# 1737

Delta R.T. -0.01 min

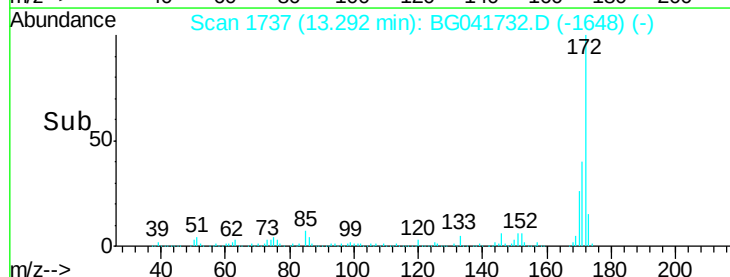
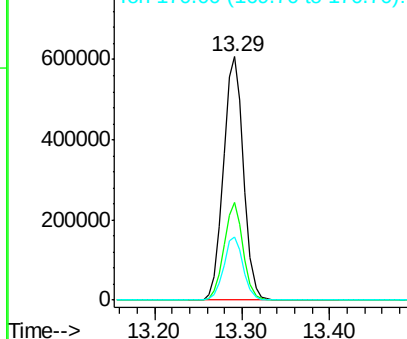
Lab File: BG041732.D

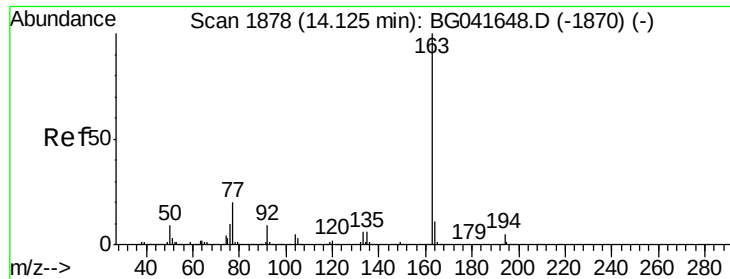
Acq: 19 Jul 2019 13:07

Tgt Ion:	172	Resp:	958557
Ion Ratio		Lower	Upper
172	100		
171	39.9	35.0	52.4
170	26.0	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





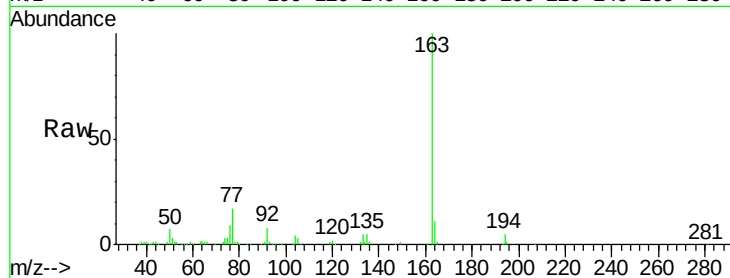
#50
Dimethylphthalate
Concen: 7.250 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Instrument :
BNA_G
ClientSampled :
TP-1

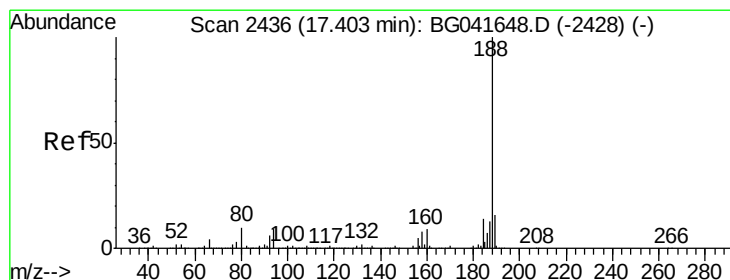
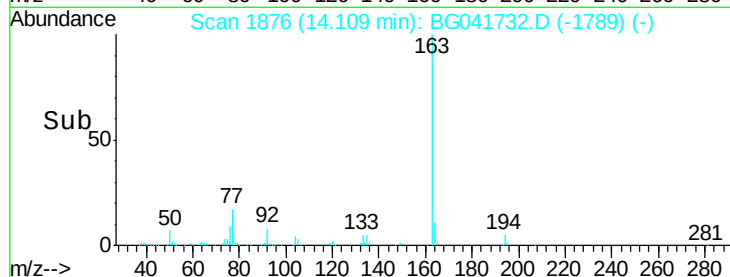
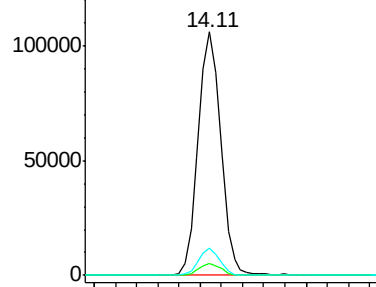
Tot Ion	Ratio	Resp	Lower	Upper
163	100	158378		
194	4.7		4.2	6.2
164	11.3		9.4	14.2

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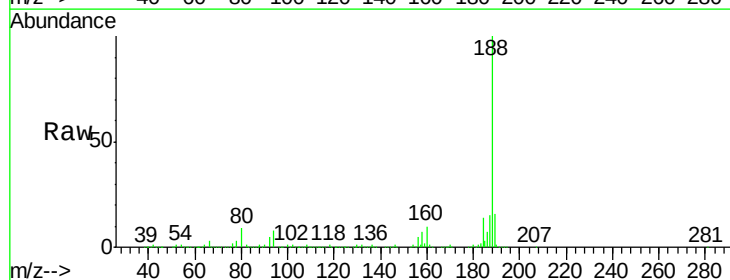


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

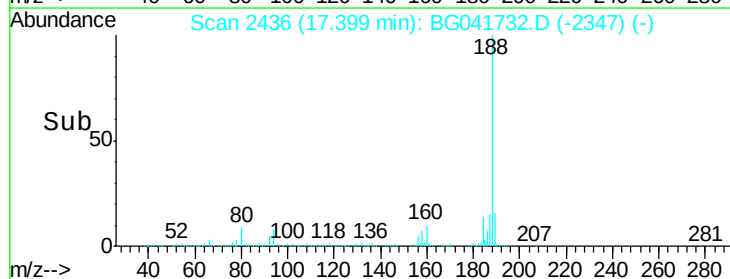
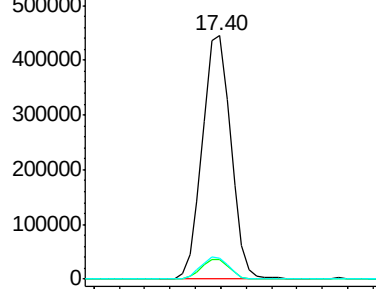


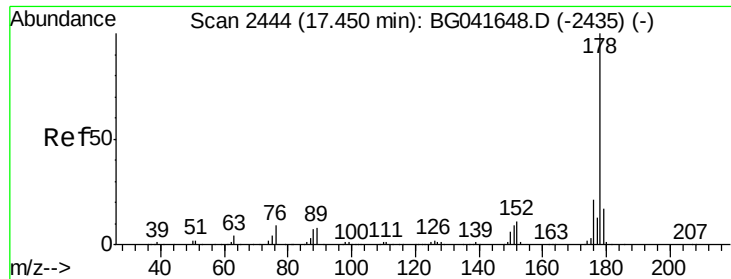
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.01 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	692987		
94	8.3		6.9	10.3
80	8.7		8.0	12.0



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





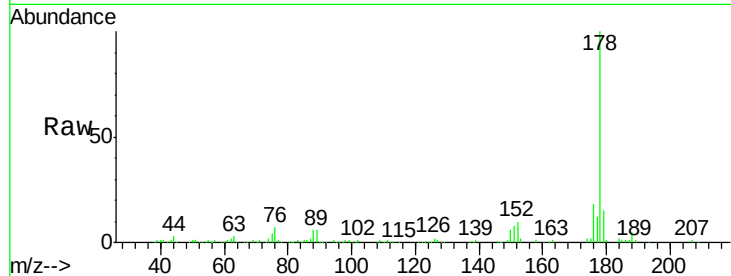
#71
Phenanthrene
Concen: 2.679 ng/mL
RT: 17.44 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Instrument :
BNA_G
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	18.6	28.0#
179	14.8	15.4	23.0#

Manual Integrations
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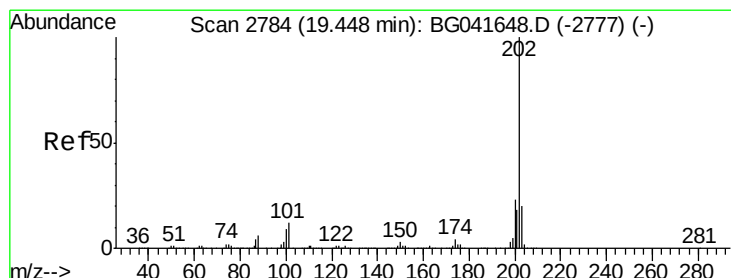
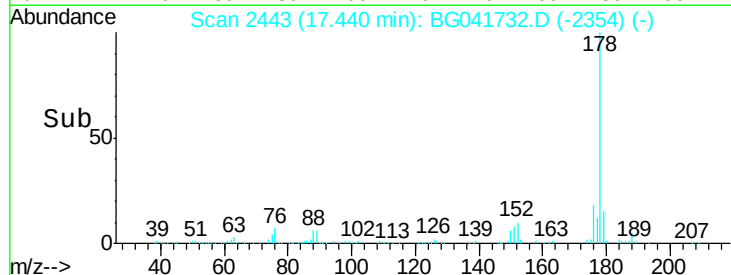
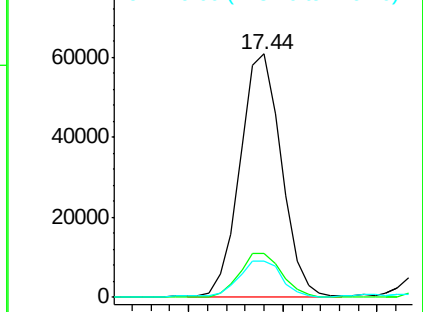


Abundance

Ion 178.00 (177.70 to 178.70): E

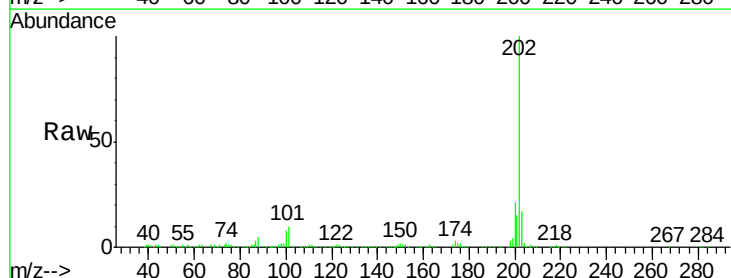
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 6.478 ng/mL
RT: 19.44 min Scan# 2783
Delta R.T. -0.01 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	32.8
203	17.0	3.7	43.7

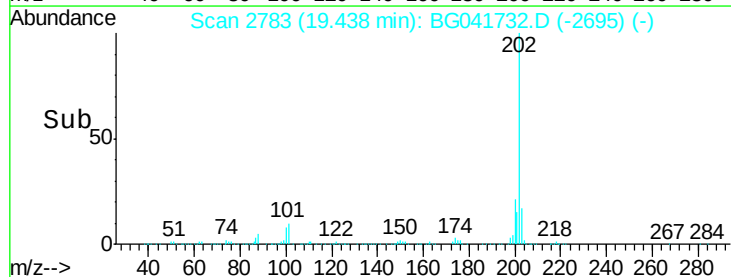
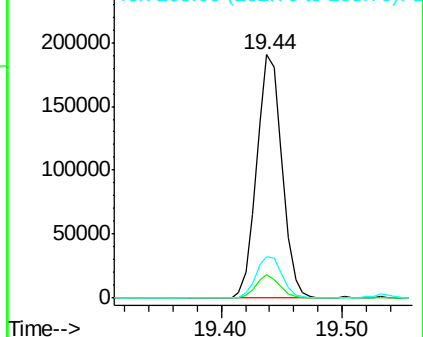


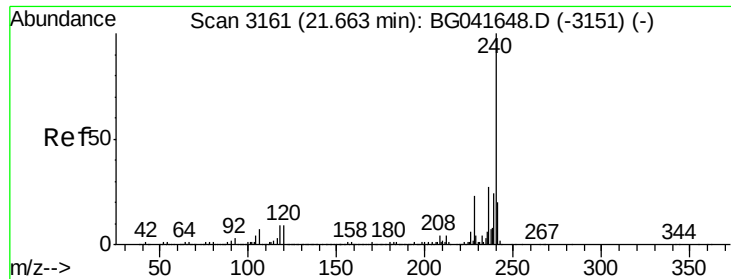
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





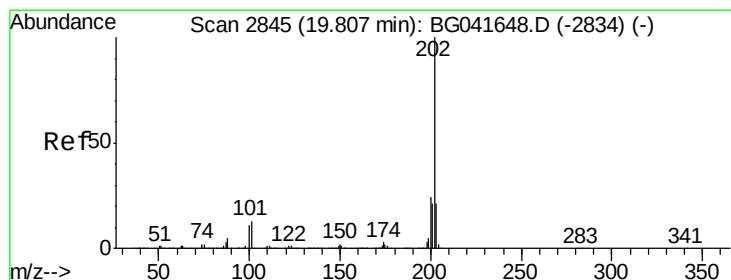
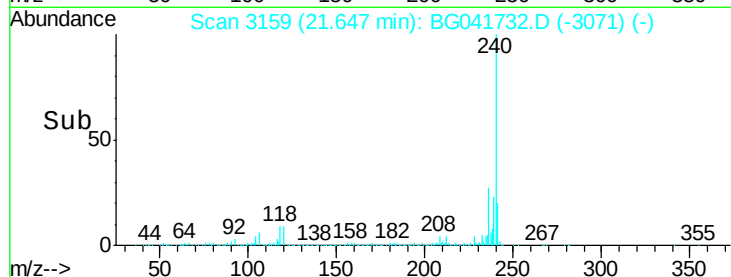
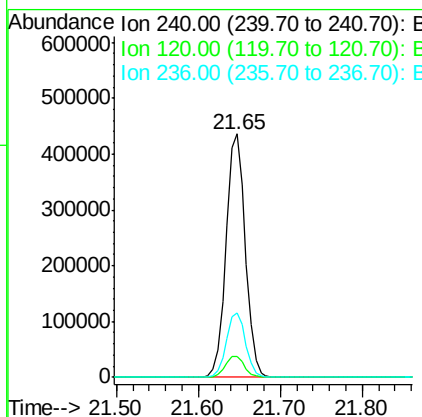
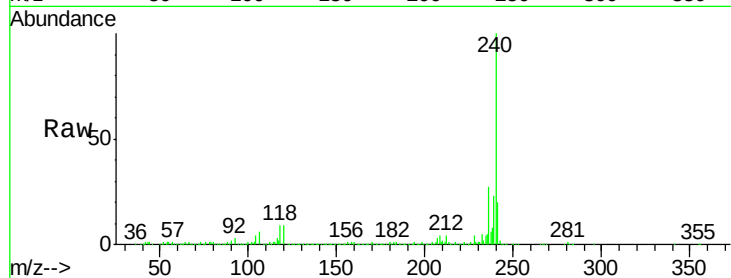
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Instrument :
BNA_G
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	8.0	12.0
236	26.6	22.6	33.8

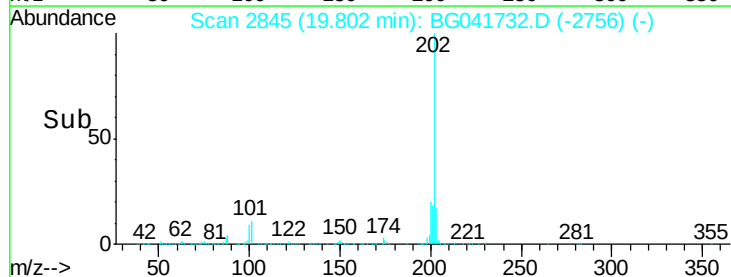
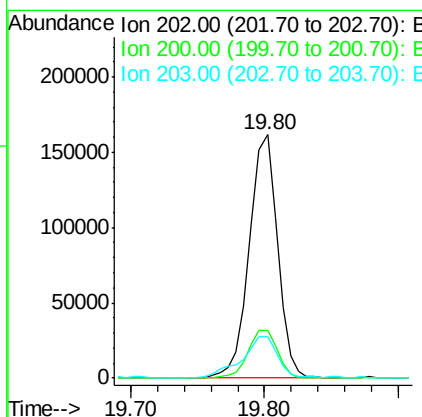
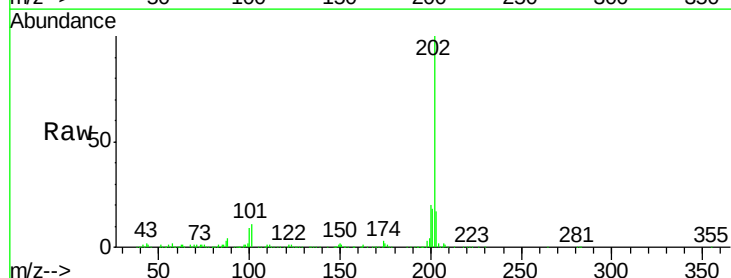
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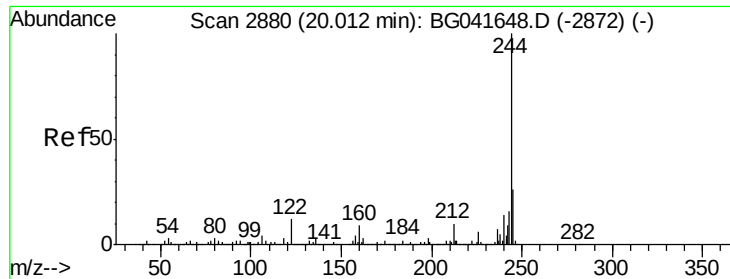
mohammad
7/22/2019 10:00:48 AM



#78
Pyrene
Concen: 4.904 ng
RT: 19.80 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	22.2	33.2#
203	17.1	18.9	28.3#





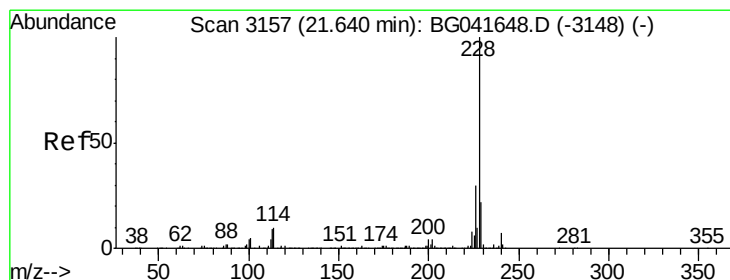
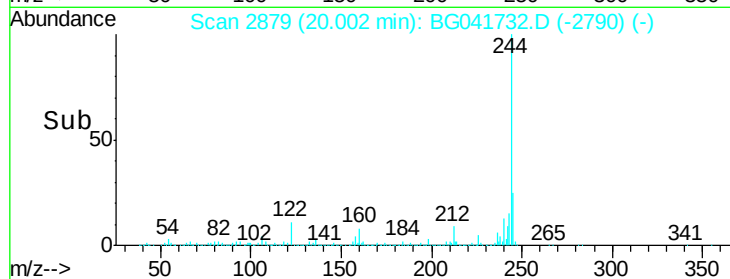
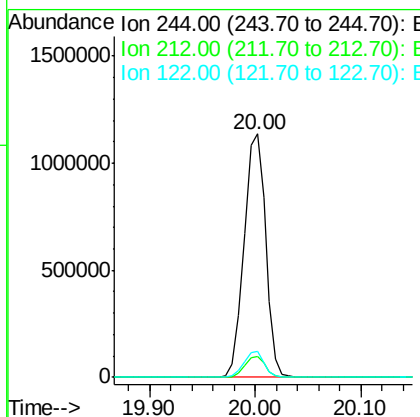
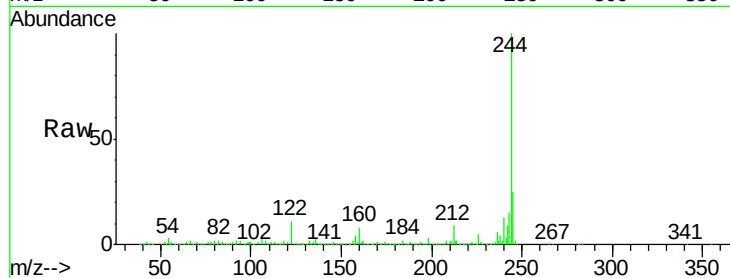
#79
 Terphenyl-d14
 Concen: 53.020 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG041732.D
 Acq: 19 Jul 2019 13:07

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tot Ion:244 Resp: 1613443
 Ion Ratio Lower Upper
 244 100
 212 8.8 9.7 14.5#
 122 10.5 12.5 18.7#

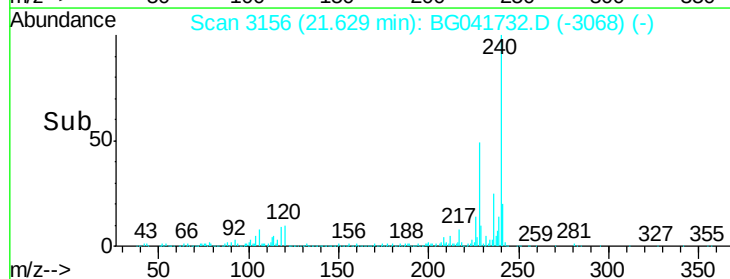
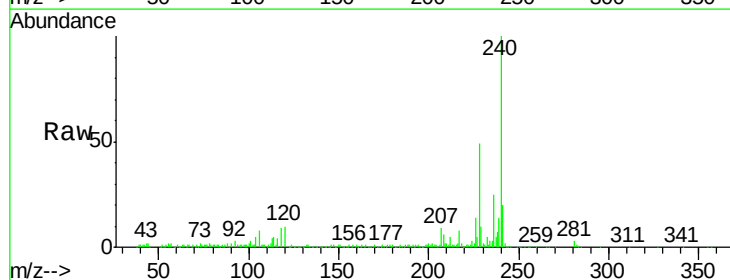
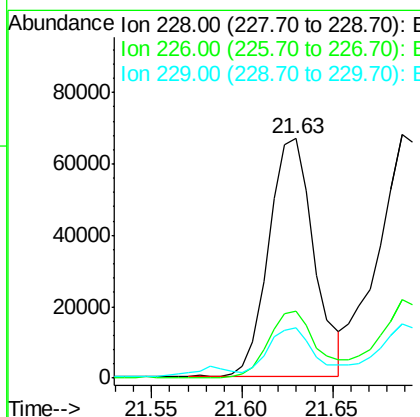
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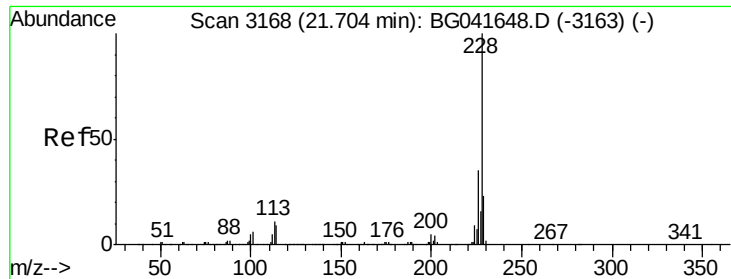
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#81
 Benzo(a)anthracene
 Concen: 2.550 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.01 min
 Lab File: BG041732.D
 Acq: 19 Jul 2019 13:07

Tgt Ion:228 Resp: 117162
 Ion Ratio Lower Upper
 228 100
 226 27.8 27.3 40.9
 229 21.1 19.7 29.5





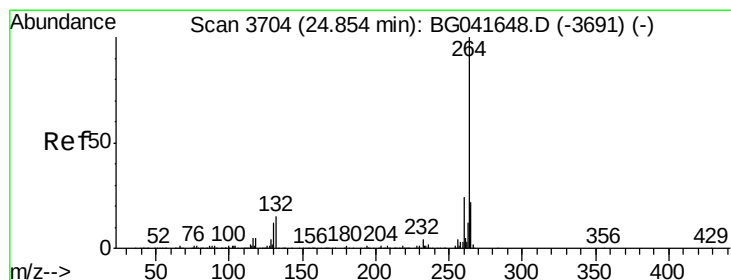
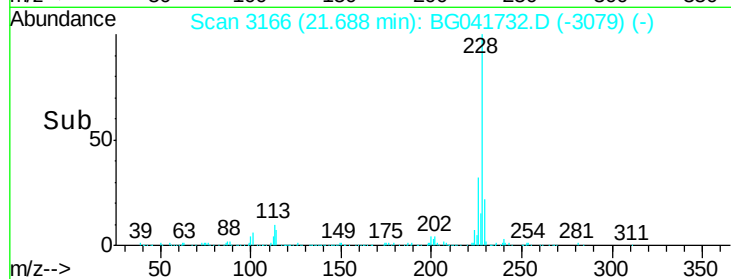
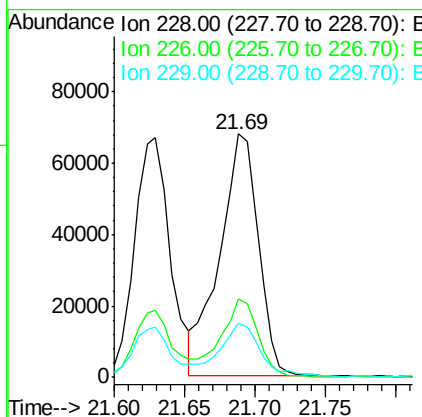
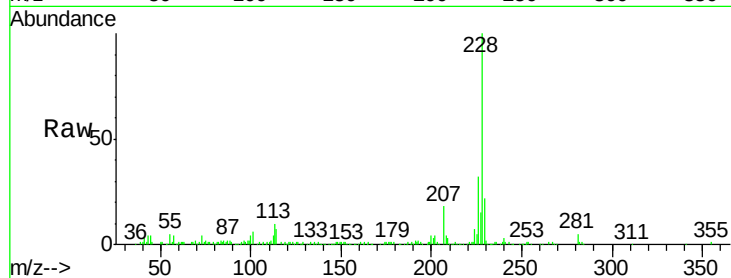
#83
Chrysene
Concen: 2.961 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.02 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Instrument :
BNA_G
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	30.1	45.1
229	22.3	19.8	29.6

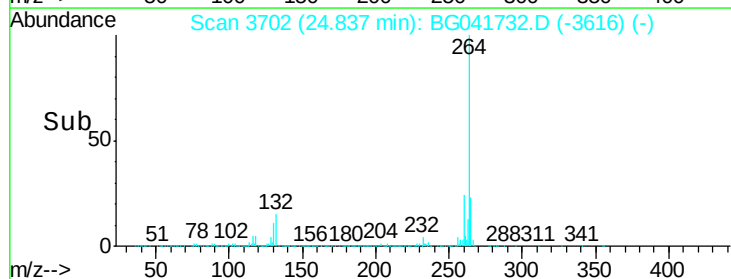
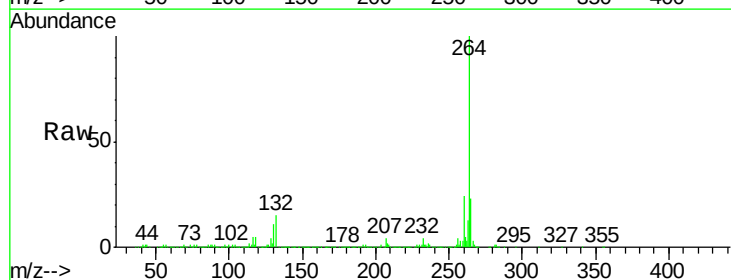
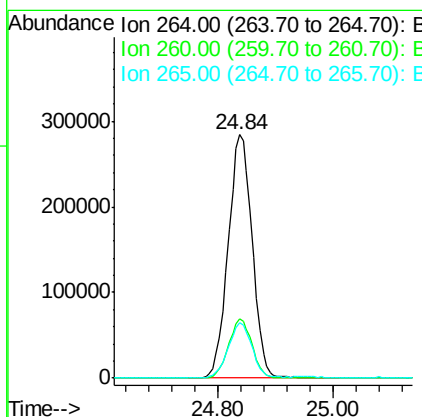
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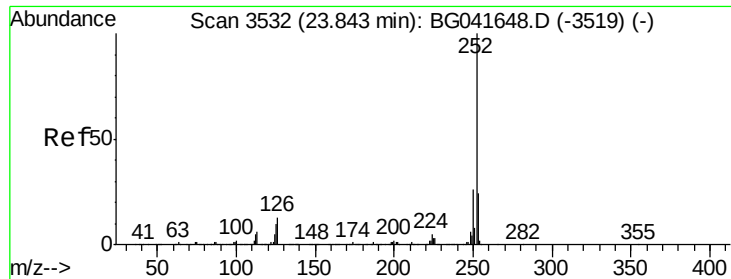
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.84 min Scan# 3702
Delta R.T. -0.03 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.9	18.0	27.0





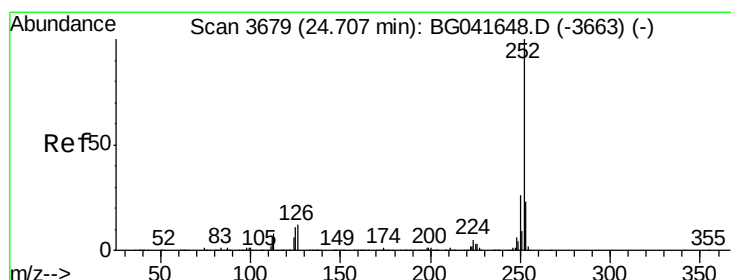
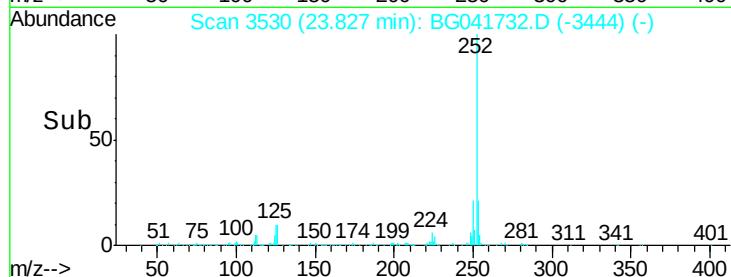
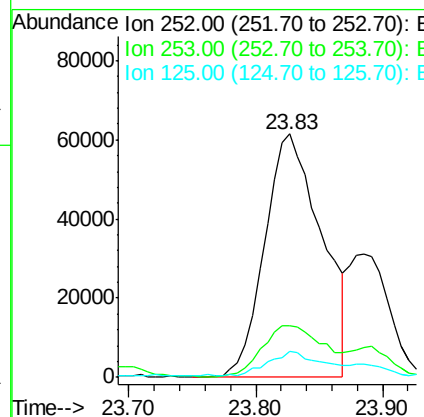
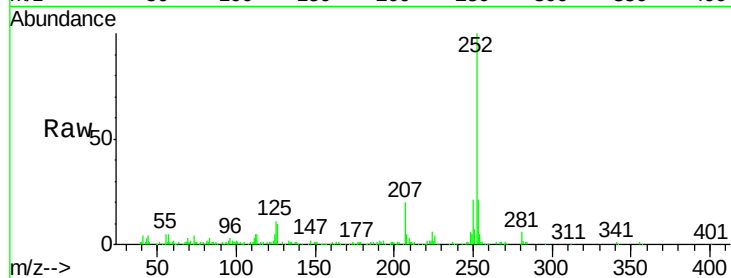
#88
Benzo(b)fluoranthene
Concen: 3.870 ng
RT: 23.83 min Scan# 3530
Delta R.T. -0.03 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Instrument :
BNA_G
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	20.6	30.8
125	10.6	8.0	12.0

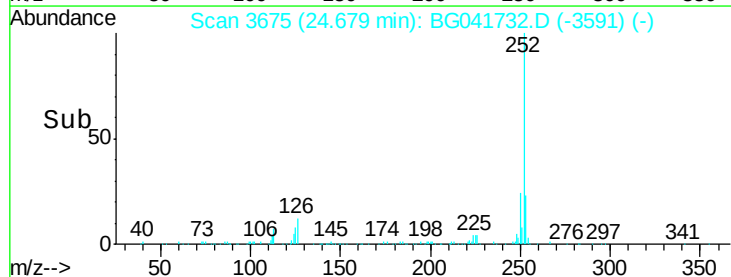
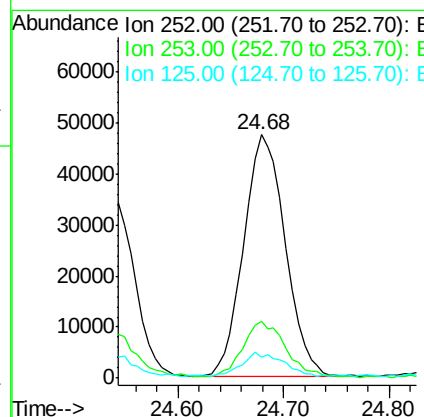
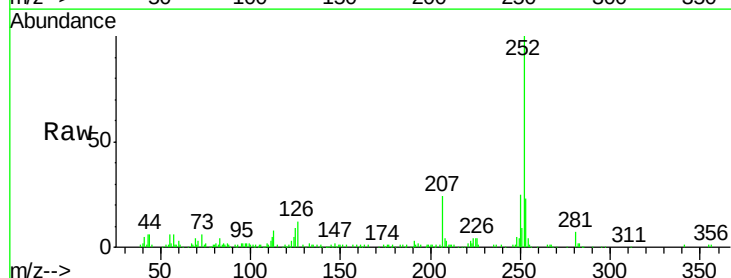
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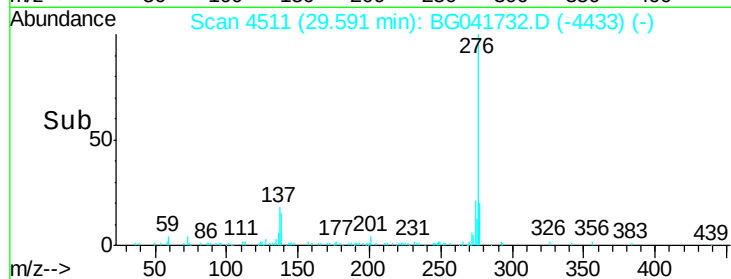
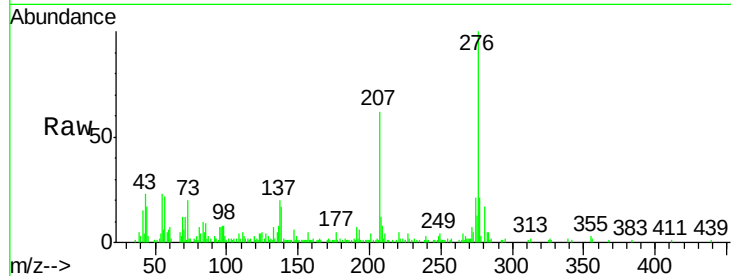
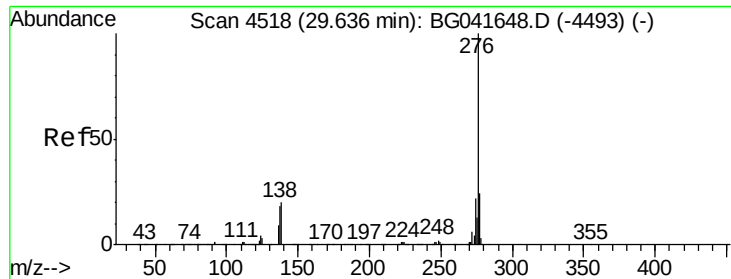
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#90
Benzo(a)pyrene
Concen: 2.772 ng
RT: 24.68 min Scan# 3675
Delta R.T. -0.04 min
Lab File: BG041732.D
Acq: 19 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.8	29.8
125	8.7	8.8	13.2#





#92
 Benzo(a,h,i)perylene
 Concen: 2.068 ng
 RT: 29.59 min Scan# 4511
 Delta R.T. -0.07 min
 Lab File: BG041732.D
 Acq: 19 Jul 2019 13:07

Tot Ion:	276	Resp:	94126
Ion Ratio	Lower	Upper	
276	100		
277	21.3	19.8	29.8
138	16.9	16.6	25.0

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

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